

Project

Project Name: DIUK-1021_02 St Marys Gate, Derby CCTV Report
Job Status: Complete
Project Date: 10/05/2018
Project Standard: MSCC4 Sewers & Drainage GB (SRM4 Scoring)



Drain Inspect UK

Defect Grade Description (Section)

Project Name	Project Number	Project Date
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1:	Brick: No structural defects. Pipe: No structural defects. Acceptable structural condition.
2:	Brick: Circumferential cracking; single longitudinal crack; surface mortar loss (depth missing < 15mm); surface damage - slight spalling (breaking away of small fragments from the surface); surface damage - slight wear (increased roughness). Pipe: Circumferential crack; moderate joint defects (i.e. medium open joint or medium displaced joint); surface damage - slight spalling (breaking away of small fragments from the surface) or slight wear (increased roughness). Minimal collapse likelihood in the short term but potential for further deterioration.
3:	Brick: Medium mortar loss (depth missing 15-50mm) without other defects; more than one longitudinal crack (at a single location); multiple cracking; single bricks displaced; deformation < 5%; no fracture and only moderate mortar loss; surface damage - medium spalling (large areas of chipped brick); surface damage - medium wear (large area of brick surface is missing). Pipe: Fracture with no deformation or deformation < 5%; longitudinal cracking or multiple cracking; minor loss of level; severe joint defects (i.e. large open joint or large displaced joint); surface damage - partial area of pipe surface is missing or worn. ! Collapse unlikely in the near future but further deterioration likely !
4:	Brick: Total mortar loss (depth missing > 50mm) with deformation > 10%; deformation up to 10% and fractured; displaced or hanging brickwork; small number of missing bricks; dropped invert (drop > 20mm); moderate loss of level; surface damage - large spalling (entire surface of brick is missing); surface damage - large wear (entire surface of brick is missing). Pipe: Broken; deformation up to 10% and broken; fracture with deformation 5-10%; multiple fractures; serious loss of level; serious joint defects with voids or soil visible (open joint with > 50mm soil or void visible or joint displacement > 25% of diameter); surface damage - entire area of pipe surface is missing or severely worn. !! Collapse likely in the foreseeable future !!
5:	Brick: Already collapsed; missing Invert; deformation > 10% and fractured; displaced or hanging brickwork and deformation < 10%; extensive areas of missing brickwork. Pipe: Already collapsed; deformation > 10% and broken; extensive areas of pipe fabric missing; fractures with deformation > 10% !!! Collapsed or collapse imminent !!!

Section Summary

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Number of sections	117
Total length of sewer network	603.03 m
Inspected length of sewer network	603.03 m
Not inspected length of sewer network	0.00 m
Total abandoned inspections	23
Number of section inspection photos	387
Number of section inspection videos	117
Number of section inspection scans	0
Number of section inclination measurements	0

PLR:	Upstream Node:	MH1 X
Inspection Direction:	Downstream Node:	Buried MH
Inspected Length:	Dia/Height:	225 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH1 X
2	0.01	WL	Water level, 5% of the vertical dimension
3	1.03	GP	General photograph taken at this point
4	1.42	LD	Line deviates down, start
5	3.88	CMJ	Cracks, multiple at joint from 9 o'clock to 3 o'clock
6	4.34	CCJ	Crack, circumferential at joint from 7 o'clock to 12 o'clock
7	5.10	CCJ	Crack, circumferential at joint from 12 o'clock to 6 o'clock
8	6.39	GP	General photograph taken at this point
9	7.24	LD	Line deviates down, finish
10	7.94	MHF	Finish node type, manhole, reference number: Buried MH

PLR:	Upstream Node:	MH24 X
Inspection Direction:	Downstream Node:	MH1 A
Inspected Length:	Dia/Height:	150 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH1 A
2	0.01	WL	Water level, 5% of the vertical dimension
3	4.96	DECJ	Settled deposits, hard or compacted at joint, 10% cross-sectional area loss
4	6.45	JN	Junction at 1 o'clock, diameter: 100mm
5	9.73	GP	General photograph taken at this point
6	13.21	JN	Junction at 1 o'clock, diameter: 100mm

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No.	m+	Code	Observation
7	18.87	GP	General photograph taken at this point
8	22.36	JN	Junction at 1 o'clock, diameter: 100mm
9	26.94	JN	Junction at 1 o'clock, diameter: 100mm
10	28.72	MHF	Finish node type, manhole, reference number: MH24 X

PLR:	Upstream Node:	Gully
Inspection Direction:	Downstream Node:	MH1 B
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH1 B
2	0.01	WL	Water level, 0% of the vertical dimension
3	1.26	B	Broken pipe from 9 o'clock to 3 o'clock
4	1.86	CCJ	Crack, circumferential at joint from 12 o'clock to 12 o'clock
5	2.89	JDM	Joint displaced, medium
6	2.98	GYF	Finish node type, gully, reference number: Gully

PLR:	Upstream Node:	MH6 X
Inspection Direction:	Downstream Node:	MH1 C
Inspected Length:	Dia/Height:	225 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH1 C
2	0.01	WL	Water level, 5% of the vertical dimension
3	1.02	JN	Junction at 10 o'clock, diameter: 100mm
4	1.51	JN	Junction at 1 o'clock, diameter: 100mm
5	4.70	GP	General photograph taken at this point
6	6.86	JN	Junction at 10 o'clock, diameter: 100mm
7	9.99	JN	Junction at 9 o'clock, diameter: 100mm
8	12.15	GP	General photograph taken at this point
9	13.69	JN	Junction at 11 o'clock, diameter: 100mm
10	16.76	JN	Junction at 10 o'clock, diameter: 100mm
11	19.05	JN	Junction at 1 o'clock, diameter: 100mm
12	19.86	SA	Survey abandoned

PLR:	Upstream Node:	Downpipe
Inspection Direction:	Downstream Node:	MH2 A
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH2 A
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.02	CCJ	Crack, circumferential at joint from 12 o'clock to 12 o'clock
4	0.14	LR	Line deviates right
5	0.31	DES	Settled deposits, fine, 5% cross-sectional area loss, start

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No.	m+	Code	Observation
6	1.52	DES	Settled deposits, fine, 5% cross-sectional area loss, finish
7	1.52	OCF	Finish node type, other special chamber, reference number: Downpipe

PLR:		Upstream Node:	Vent pipe
Inspection Direction:	Upstream	Downstream Node:	MH2 B
Inspected Length:	0.21 m	Dia/Height:	100 mm
Total Length:	0.21 m	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH2 B
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.06	DES	Settled deposits, fine, 40% cross-sectional area loss, start
4	0.21	DES	Settled deposits, fine, 40% cross-sectional area loss, finish
5	0.21	SA	Survey abandoned

PLR:		Upstream Node:	Downpipe
Inspection Direction:	Upstream	Downstream Node:	MH2 C
Inspected Length:	2.81 m	Dia/Height:	100 mm
Total Length:	2.81 m	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH2 C
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.58	CCJ	Crack, circumferential at joint from 12 o'clock to 12 o'clock
4	0.73	LL	Line deviates left
5	1.61	GP	General photograph taken at this point
6	2.81	OCF	Finish node type, other special chamber, reference number: Downpipe

PLR:		Upstream Node:	Gully
Inspection Direction:	Upstream	Downstream Node:	MH2 D
Inspected Length:	0.66 m	Dia/Height:	100 mm
Total Length:	0.66 m	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH2 D
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.02	LU	Line deviates up
4	0.14	CCJ	Crack, circumferential at joint from 12 o'clock to 7 o'clock
5	0.34	LL	Line deviates left
6	0.66	GYF	Finish node type, gully, reference number: Gully

PLR:		Upstream Node:	MH2 X
Inspection Direction:	Downstream	Downstream Node:	Offsite MH
Inspected Length:	10.12 m	Dia/Height:	100 mm
Total Length:	10.12 m	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH2 X
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.70	GP	General photograph taken at this point

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No.	m+	Code	Observation
4	5.48	GP	General photograph taken at this point
5	8.83	JDM	Joint displaced, medium
6	10.12	MHF	Finish node type, manhole, reference number: Offsite MH

PLR:	Upstream Node:	Downpipe
Inspection Direction:	Downstream Node:	MH3 A
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH3 A
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.80	GP	General photograph taken at this point
4	0.95	OCF	Finish node type, other special chamber, reference number: Downpipe

PLR:	Upstream Node:	Vent pipe
Inspection Direction:	Downstream Node:	MH3 B
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH3 B
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.16	LL	Line deviates left
4	0.23	GP	General photograph taken at this point
5	0.33	OCF	Finish node type, other special chamber, reference number: Vent pipe

PLR:	Upstream Node:	Downpipe
Inspection Direction:	Downstream Node:	MH3 C
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH3 C
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.19	GP	General photograph taken at this point
4	0.54	OCF	Finish node type, other special chamber, reference number: Downpipe

PLR:	Upstream Node:	Gully
Inspection Direction:	Downstream Node:	MH3 D
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH3 D
2	0.01	WL	Water level, 5% of the vertical dimension
3	0.36	GP	General photograph taken at this point
4	1.24	GYF	Finish node type, gully, reference number: Gully

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PLR:	Upstream Node:	MH3 X
Inspection Direction:	Downstream Node:	Offsite MH
Inspected Length:	Dia/Height:	150 mm
Total Length:	Pipe Material:	Cast iron

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH3 X
2	0.01	WL	Water level, 5% of the vertical dimension
3	0.01	DEG	Attached deposits, grease from 4 o'clock to 8 o'clock, 5% cross-sectional area loss, start
4	1.00	GP	General photograph taken at this point
5	4.70	CN	Connection other than junction at 12 o'clock, diameter: 100mm
6	8.05	MCVC	Material changes to vitrified clay
7	9.74	DEG	Attached deposits, grease from 4 o'clock to 8 o'clock, 5% cross-sectional area loss, finish
8	9.74	MHF	Finish node type, manhole, reference number: Offsite MH

PLR:	Upstream Node:	Vent pipe
Inspection Direction:	Downstream Node:	MH4 A
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH4 A
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.02	LU	Line deviates up
4	0.64	CC	Crack, circumferential from 12 o'clock to 6 o'clock
5	1.27	OCF	Finish node type, other special chamber, reference number: Vent pipe

PLR:	Upstream Node:	Gully
Inspection Direction:	Downstream Node:	MH4 B
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH4 B
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.09	JN	Junction at 10 o'clock, diameter: 100mm
4	0.58	LL	Line deviates left
5	1.39	GYF	Finish node type, gully, reference number: Gully

PLR:	Upstream Node:	Downpipe
Inspection Direction:	Downstream Node:	MH4 C
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH4 C
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.22	CCJ	Crack, circumferential at joint from 5 o'clock to 8 o'clock
4	0.22	LU	Line deviates up
5	1.78	REM	General remark

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No.	m+	Code	Observation
6	2.58	JN	Junction at 10 o'clock, diameter: 100mm
7	4.32	OCF	Finish node type, other special chamber, reference number: Downpipe

PLR:	Upstream Node:	Gully
Inspection Direction:	Downstream Node:	MH4 D
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH4 D
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.15	LL	Line deviates left
4	0.33	JN	Junction at 3 o'clock, diameter: 100mm
5	2.13	JN	Junction at 1 o'clock, diameter: 100mm
6	4.05	CCJ	Crack, circumferential at joint from 12 o'clock to 12 o'clock
7	4.23	LR	Line deviates right
8	5.15	GYF	Finish node type, gully, reference number: Gully

PLR:	Upstream Node:	MH4 X
Inspection Direction:	Downstream Node:	MH5 B
Inspected Length:	Dia/Height:	150 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH4 X
2	0.01	WL	Water level, 5% of the vertical dimension
3	0.81	JN	Junction at 9 o'clock, diameter: 100mm
4	2.11	JN	Junction at 10 o'clock, diameter: 100mm
5	3.85	FL	Fracture, longitudinal at 6 o'clock
6	5.15	CCJ	Crack, circumferential at joint from 11 o'clock to 2 o'clock
7	7.14	MHF	Finish node type, manhole, reference number: MH5 B

PLR:	Upstream Node:	Gully
Inspection Direction:	Downstream Node:	MH5 A
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH5 A
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.17	B	Broken pipe from 10 o'clock to 2 o'clock
4	0.18	SA	Survey abandoned

PLR:	Upstream Node:	MH7 X
Inspection Direction:	Downstream Node:	MH5 C
Inspected Length:	Dia/Height:	150 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

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

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No.	m+	Code	Observation
2	0.01	WL	Water level, 5% of the vertical dimension
3	0.08	CCJ	Crack, circumferential at joint from 7 o'clock to 1 o'clock
4	2.68	JN	Junction at 9 o'clock, diameter: 100mm
5	3.08	JN	Junction at 1 o'clock, diameter: 100mm
6	4.36	JN	Junction at 9 o'clock, diameter: 100mm
7	4.50	DES	Settled deposits, fine, 5% cross-sectional area loss
8	6.18	GP	General photograph taken at this point
9	8.61	CMJ	Cracks, multiple at joint from 11 o'clock to 4 o'clock
10	9.72	MHF	Finish node type, manhole, reference number: MH7 X

PLR:	Upstream Node:	MH5 X
Inspection Direction:	Downstream Node:	MH6 UTL
Inspected Length:	Dia/Height:	150 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH5 X
2	0.01	WL	Water level, 5% of the vertical dimension
3	3.04	GP	General photograph taken at this point
4	9.41	CL	Crack, longitudinal at 12 o'clock
5	9.60	CCJ	Crack, circumferential at joint from 10 o'clock to 3 o'clock
6	11.19	MHF	Finish node type, manhole, reference number: MH6 UTL

PLR:	Upstream Node:	MH6 X
Inspection Direction:	Downstream Node:	MH1 C
Inspected Length:	Dia/Height:	225 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH6 X
2	0.01	WL	Water level, 5% of the vertical dimension
3	1.31	GP	General photograph taken at this point
4	3.49	OCF	Finish node type, other special chamber, reference number: MH1 C

PLR:	Upstream Node:	MH8 X
Inspection Direction:	Downstream Node:	MH7 A
Inspected Length:	Dia/Height:	150 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH7 A
2	0.01	WL	Water level, 5% of the vertical dimension
3	0.97	DEX	Settled deposits, other, 5% cross-sectional area loss
4	1.11	JN	Junction at 2 o'clock, diameter: 100mm
5	3.01	JN	Junction at 11 o'clock, diameter: 100mm
6	4.40	JN	Junction at 1 o'clock, diameter: 100mm
7	4.73	JN	Junction at 2 o'clock, diameter: 100mm
8	8.48	MHF	Finish node type, manhole, reference number: MH8 X

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PLR:	Upstream Node:	Downpipe
Inspection Direction:	Downstream Node:	MH7 B
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH7 B
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.02	RF	Roots, fine
4	0.03	LU	Line deviates up
5	2.67	OCF	Finish node type, other special chamber, reference number: Downpipe

PLR:	Upstream Node:	Downpipe
Inspection Direction:	Downstream Node:	MH7 C
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH7 C
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.06	JN	Junction at 9 o'clock, diameter: 100mm
4	0.17	LU	Line deviates up
5	1.90	CCJ	Crack, circumferential at joint from 3 o'clock to 9 o'clock
6	2.47	RFJ	Roots, fine at joint
7	2.47	OJM	Open joint, medium
8	3.17	RFJ	Roots, fine at joint
9	3.17	CCJ	Crack, circumferential at joint from 1 o'clock to 9 o'clock
10	3.54	LR	Line deviates right
11	3.85	OCF	Finish node type, other special chamber, reference number: Downpipe

PLR:	Upstream Node:	Unknown
Inspection Direction:	Downstream Node:	MH7 D
Inspected Length:	Dia/Height:	150 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH7 D
2	0.01	WL	Water level, 5% of the vertical dimension
3	1.06	FMJ	Fracture, multiple at joint from 12 o'clock to 12 o'clock
4	1.86	GP	General photograph taken at this point
5	3.13	DERJ	Settled deposits, coarse at joint, 10% cross-sectional area loss
6	4.82	DERJ	Settled deposits, coarse at joint, 75% cross-sectional area loss
7	4.82	SA	Survey abandoned

PLR:	Upstream Node:	Downpipe
Inspection Direction:	Downstream Node:	MH8 A
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

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No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH8 A
2	0.01	WL	Water level, 5% of the vertical dimension
3	0.43	LU	Line deviates up
4	0.68	CCJ	Crack, circumferential at joint from 12 o'clock to 12 o'clock
5	1.38	LR	Line deviates right
6	1.73	OCF	Finish node type, other special chamber, reference number: Downpipe

PLR:		Upstream Node:	Unknown
Inspection Direction:	Upstream	Downstream Node:	MH8 B
Inspected Length:	3.14 m	Dia/Height:	100 mm
Total Length:	3.14 m	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH8 B
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.84	GP	General photograph taken at this point
4	1.59	OBM	Obstacles, pipe material in invert from 4 o'clock to 7 o'clock, 5% cross-sectional area loss
5	3.14	OBZ	Other obstacles from 3 o'clock to 7 o'clock, 30% cross-sectional area loss
6	3.14	SA	Survey abandoned

PLR:		Upstream Node:	Downpipe?
Inspection Direction:	Upstream	Downstream Node:	MH8 C
Inspected Length:	1.63 m	Dia/Height:	100 mm
Total Length:	1.63 m	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH8 C
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.43	LR	Line deviates right
4	0.87	JN	Junction at 2 o'clock, diameter: 100mm
5	1.63	OBX	Other obstacles in invert from 4 o'clock to 8 o'clock, 25% cross-sectional area loss
6	1.63	SA	Survey abandoned

PLR:		Upstream Node:	Downpipe
Inspection Direction:	Upstream	Downstream Node:	MH8 D
Inspected Length:	1.32 m	Dia/Height:	100 mm
Total Length:	1.32 m	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH8 D
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.04	LU	Line deviates up
4	0.12	GP	General photograph taken at this point
5	0.81	LR	Line deviates right
6	1.32	OCF	Finish node type, other special chamber, reference number: Downpipe

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PLR:	Upstream Node:	Downpipe
Inspection Direction:	Downstream Node:	MH8 E
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH8 E
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.73	GP	General photograph taken at this point
4	1.43	JDM	Joint displaced, medium
5	1.86	OCF	Finish node type, other special chamber, reference number: Downpipe

PLR:	Upstream Node:	Gully
Inspection Direction:	Downstream Node:	MH8 F
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH8 F
2	0.01	WL	Water level, 0% of the vertical dimension
3	1.14	LR	Line deviates right
4	1.53	GYF	Finish node type, gully, reference number: Gully

PLR:	Upstream Node:	Downpipe
Inspection Direction:	Downstream Node:	MH9 A
Inspected Length:	Dia/Height:	150 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH9 A
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.07	JN	Junction at 6 o'clock, diameter: 150mm
4	0.09	CCJ	Crack, circumferential at joint from 7 o'clock to 2 o'clock
5	4.39	GP	General photograph taken at this point
6	6.59	CC	Crack, circumferential from 12 o'clock to 12 o'clock
7	6.67	JN	Junction at 1 o'clock, diameter: 100mm
8	6.67	JDM	Joint displaced, medium
9	6.95	JN	Junction at 12 o'clock, diameter: 100mm
10	7.33	LR	Line deviates right
11	8.68	OCF	Finish node type, other special chamber, reference number: Downpipe

PLR:	Upstream Node:	MH33 UTL
Inspection Direction:	Downstream Node:	MH9 B
Inspected Length:	Dia/Height:	150 mm
Total Length:	Pipe Material:	Cast iron

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH9 B
2	0.01	WL	Water level, 5% of the vertical dimension
3	0.35	LR	Line deviates right

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No.	m+	Code	Observation
4	1.47	GP	General photograph taken at this point
5	4.35	GP	General photograph taken at this point
6	6.48	DEX	Settled deposits, other, 10% cross-sectional area loss
7	7.46	GP	General photograph taken at this point
8	10.40	GP	General photograph taken at this point
9	13.04	MHF	Finish node type, manhole, reference number: MH33 UTL

PLR:		Upstream Node:	Downpipe
Inspection Direction:	Upstream	Downstream Node:	MH9 C
Inspected Length:	2.10 m	Dia/Height:	100 mm
Total Length:	2.10 m	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH9 C
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.02	LU	Line deviates up
4	0.68	JDM	Joint displaced, medium
5	1.16	JDM	Joint displaced, medium
6	1.24	JDM	Joint displaced, medium
7	1.57	LU	Line deviates up
8	2.10	OCF	Finish node type, other special chamber, reference number: Downpipe

PLR:		Upstream Node:	MH9 X
Inspection Direction:	Downstream	Downstream Node:	MH10 A
Inspected Length:	11.59 m	Dia/Height:	225 mm
Total Length:	11.59 m	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH9 X
2	0.01	WL	Water level, 5% of the vertical dimension
3	1.98	GP	General photograph taken at this point
4	6.76	GP	General photograph taken at this point
5	10.21	CCJ	Crack, circumferential at joint from 12 o'clock to 9 o'clock
6	11.59	MHF	Finish node type, manhole, reference number: MH10 A

PLR:		Upstream Node:	MH13 X
Inspection Direction:	Upstream	Downstream Node:	MH10 B
Inspected Length:	17.65 m	Dia/Height:	150 mm
Total Length:	17.65 m	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH10 B
2	0.01	WL	Water level, 5% of the vertical dimension
3	0.31	LR	Line deviates right
4	1.31	GP	General photograph taken at this point
5	5.41	GP	General photograph taken at this point
6	8.22	CCJ	Crack, circumferential at joint from 12 o'clock to 12 o'clock
7	10.67	JN	Junction at 10 o'clock, diameter: 100mm

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No.	m+	Code	Observation
8	11.14	CLJ	Crack, longitudinal at joint at 5 o'clock
9	12.42	JN	Junction at 10 o'clock, diameter: 100mm
10	15.64	GP	General photograph taken at this point
11	17.65	MHF	Finish node type, manhole, reference number: MH13 X

PLR:	Upstream Node:	Gully
Inspection Direction:	Downstream Node:	MH10 C
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH10 C
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.16	XP	Collapsed drain or sewer
4	0.16	SA	Survey abandoned

PLR:	Upstream Node:	Downpipe?
Inspection Direction:	Downstream Node:	MH10 E
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH10 E
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.37	DES	Settled deposits, fine, 80% cross-sectional area loss
4	0.37	SA	Survey abandoned

PLR:	Upstream Node:	MH10 X
Inspection Direction:	Downstream Node:	MH11 A
Inspected Length:	Dia/Height:	225 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH10 X
2	0.01	WL	Water level, 5% of the vertical dimension
3	0.31	GP	General photograph taken at this point
4	6.43	GP	General photograph taken at this point
5	7.73	CCJ	Crack, circumferential at joint from 7 o'clock to 4 o'clock
6	8.80	MHF	Finish node type, manhole, reference number: MH11 A

PLR:	Upstream Node:	MH11 X
Inspection Direction:	Downstream Node:	MH6 UTL
Inspected Length:	Dia/Height:	225 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH11 X
2	0.01	WL	Water level, 5% of the vertical dimension
3	0.11	CCJ	Crack, circumferential at joint from 9 o'clock to 1 o'clock
4	0.11	CLJ	Crack, longitudinal at joint at 12 o'clock

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No.	m+	Code	Observation
5	2.96	DEZJ	Attached deposits, other at joint from 4 o'clock to 8 o'clock, 5% cross-sectional area loss
6	8.41	GP	General photograph taken at this point
7	12.07	FCJ	Fracture, circumferential at joint from 7 o'clock to 10 o'clock
8	20.47	GP	General photograph taken at this point
9	26.69	GP	General photograph taken at this point
10	30.26	JN	Junction at 12 o'clock, diameter: 150mm
11	30.49	CCJ	Crack, circumferential at joint from 12 o'clock to 12 o'clock
12	32.78	CCJ	Crack, circumferential at joint from 7 o'clock to 4 o'clock
13	33.77	CCJ	Crack, circumferential at joint from 7 o'clock to 10 o'clock
14	37.94	GP	General photograph taken at this point
15	41.04	CCJ	Crack, circumferential at joint from 8 o'clock to 11 o'clock
16	45.72	JN	Junction at 1 o'clock, diameter: 100mm
17	51.09	GP	General photograph taken at this point
18	53.40	MHF	Finish node type, manhole, reference number: MH6 UTL

PLR:		Upstream Node:	Downpipe
Inspection Direction:	Upstream	Downstream Node:	MH12 A
Inspected Length:	0.09 m	Dia/Height:	100 mm
Total Length:	0.09 m	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH12 A
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.09	OCF	Finish node type, other special chamber, reference number: Downpipe

PLR:		Upstream Node:	Downpipe
Inspection Direction:	Upstream	Downstream Node:	MH12 B
Inspected Length:	1.26 m	Dia/Height:	100 mm
Total Length:	1.26 m	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH12 B
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.33	JN	Junction at 12 o'clock, diameter: 100mm
4	0.33	DES	Settled deposits, fine, 25% cross-sectional area loss
5	1.26	OCF	Finish node type, other special chamber, reference number: Downpipe

PLR:		Upstream Node:	MH12 X
Inspection Direction:	Downstream	Downstream Node:	MH10 D
Inspected Length:	8.11 m	Dia/Height:	100 mm
Total Length:	8.11 m	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH12 X
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.82	JDM	Joint displaced, medium
4	1.40	DEZJ	Attached deposits, other at joint from 12 o'clock to 12 o'clock, 5% cross-sectional area loss
5	3.33	DEZJ	Attached deposits, other at joint from 12 o'clock to 12 o'clock, 5% cross-sectional area loss

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No.	m+	Code	Observation
6	5.10	CCJ	Crack, circumferential at joint from 12 o'clock to 12 o'clock
7	5.62	DEZJ	Attached deposits, other at joint from 12 o'clock to 12 o'clock, 5% cross-sectional area loss
8	5.77	CCJ	Crack, circumferential at joint from 11 o'clock to 1 o'clock
9	6.28	CCJ	Crack, circumferential at joint from 12 o'clock to 12 o'clock
10	6.96	DEXJ	Settled deposits, other at joint, 5% cross-sectional area loss
11	7.44	LD	Line deviates down
12	8.11	DES	Settled deposits, fine, 30% cross-sectional area loss
13	8.11	SA	Survey abandoned

PLR:		Upstream Node:	Gully
Inspection Direction:	Upstream	Downstream Node:	MH13 A
Inspected Length:	0.91 m	Dia/Height:	100 mm
Total Length:	0.91 m	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

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: MH13 A
3	0.25	GP	General photograph taken at this point
4	0.83	JDM	Joint displaced, medium
5	0.91	GYF	Finish node type, gully, reference number: Gully

PLR:		Upstream Node:	Gully
Inspection Direction:	Upstream	Downstream Node:	MH13 B
Inspected Length:	2.27 m	Dia/Height:	100 mm
Total Length:	2.27 m	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH13 B
2	0.01	WL	Water level, 5% of the vertical dimension
3	0.08	LR	Line deviates right
4	0.77	JDM	Joint displaced, medium
5	0.77	CCJ	Crack, circumferential at joint from 1 o'clock to 6 o'clock
6	0.91	LL	Line deviates left
7	0.99	JDM	Joint displaced, medium
8	2.27	GYF	Finish node type, gully, reference number: Gully

PLR:		Upstream Node:	Downpipe
Inspection Direction:	Upstream	Downstream Node:	MH13 C
Inspected Length:	1.47 m	Dia/Height:	100 mm
Total Length:	1.47 m	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH13 C
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.02	CCJ	Crack, circumferential at joint from 9 o'clock to 3 o'clock
4	0.08	JDM	Joint displaced, medium
5	0.29	LL	Line deviates left
6	1.47	OCF	Finish node type, other special chamber, reference number: Downpipe

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PLR:	Upstream Node:	MH14 X
Inspection Direction:	Downstream Node:	MH13 D
Inspected Length:	Dia/Height:	150 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH13 D
2	0.01	WL	Water level, 5% of the vertical dimension
3	0.06	CCJ	Crack, circumferential at joint from 1 o'clock to 5 o'clock
4	4.17	JN	Junction at 10 o'clock, diameter: 100mm
5	6.03	RFJ	Roots, fine at joint
6	6.74	CCJ	Crack, circumferential at joint from 1 o'clock to 4 o'clock
7	6.74	RTJ	Roots, tap at joint
8	7.03	JN	Junction at 10 o'clock, diameter: 100mm
9	8.45	JN	Junction at 9 o'clock, diameter: 100mm
10	10.29	GP	General photograph taken at this point
11	12.27	RM	Roots, mass, 5% cross-sectional area loss
12	13.14	MHF	Finish node type, manhole, reference number: MH14 X

PLR:	Upstream Node:	Gully
Inspection Direction:	Downstream Node:	MH14 A
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH14 A
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.48	GYF	Finish node type, gully, reference number: Gully

PLR:	Upstream Node:	Gully
Inspection Direction:	Downstream Node:	MH14 B
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH14 B
2	0.01	WL	Water level, 5% of the vertical dimension
3	0.04	LR	Line deviates right
4	0.14	DES	Settled deposits, fine, 10% cross-sectional area loss, start
5	0.30	GP	General photograph taken at this point
6	0.82	LL	Line deviates left
7	2.39	JDM	Joint displaced, medium
8	2.64	DES	Settled deposits, fine, 10% cross-sectional area loss, finish
9	2.64	GYF	Finish node type, gully, reference number: Gully

PLR:	Upstream Node:	Downpipe
Inspection Direction:	Downstream Node:	MH14 C
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

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No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH14 C
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.04	CCJ	Crack, circumferential at joint from 12 o'clock to 6 o'clock
4	0.37	LL	Line deviates left
5	1.22	OCF	Finish node type, other special chamber, reference number: Downpipe

PLR:		Upstream Node:	MH15 X
Inspection Direction:	Upstream	Downstream Node:	MH14 D
Inspected Length:	7.42 m	Dia/Height:	150 mm
Total Length:	7.42 m	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH14 D
2	0.01	WL	Water level, 5% of the vertical dimension
3	0.08	JN	Junction at 6 o'clock, diameter: 150mm
4	0.63	LL	Line deviates left
5	1.09	RM	Roots, mass, 5% cross-sectional area loss, start
6	4.69	GP	General photograph taken at this point
7	5.57	LR	Line deviates right
8	6.04	LR	Line deviates right
9	7.40	RM	Roots, mass, 5% cross-sectional area loss, finish
10	7.42	MHF	Finish node type, manhole, reference number: MH15 X

PLR:		Upstream Node:	Downpipe
Inspection Direction:	Upstream	Downstream Node:	MH15 A
Inspected Length:	1.13 m	Dia/Height:	100 mm
Total Length:	1.13 m	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH15 A
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.16	RM	Roots, mass, 5% cross-sectional area loss, start
4	0.76	LU	Line deviates up
5	1.10	RM	Roots, mass, 5% cross-sectional area loss, finish
6	1.13	OCF	Finish node type, other special chamber, reference number: Downpipe

PLR:		Upstream Node:	Gully
Inspection Direction:	Upstream	Downstream Node:	MH15 B
Inspected Length:	0.09 m	Dia/Height:	100 mm
Total Length:	0.09 m	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH15 B
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.09	FMJ	Fracture, multiple at joint from 12 o'clock to 12 o'clock
4	0.09	LU	Line deviates up
5	0.09	SA	Survey abandoned

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PLR:	Upstream Node:	Downpipe
Inspection Direction:	Downstream Node:	MH15 C
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH15 C
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.02	RM	Roots, mass, 15% cross-sectional area loss, start
4	0.25	GP	General photograph taken at this point
5	0.87	RM	Roots, mass, 15% cross-sectional area loss, finish
6	0.87	SA	Survey abandoned

PLR:	Upstream Node:	MH16 X
Inspection Direction:	Downstream Node:	MH15 D
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH15 D
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.02	RM	Roots, mass, 5% cross-sectional area loss, start
4	0.42	GP	General photograph taken at this point
5	3.93	CCJ	Crack, circumferential at joint from 11 o'clock to 6 o'clock
6	5.18	JN	Junction at 10 o'clock, diameter: 100mm
7	7.34	GP	General photograph taken at this point
8	11.88	JN	Junction at 2 o'clock, diameter: 100mm
9	12.03	GP	General photograph taken at this point
10	15.35	RM	Roots, mass, 5% cross-sectional area loss, finish
11	15.36	MHF	Finish node type, manhole, reference number: MH16 X

PLR:	Upstream Node:	MH17 X
Inspection Direction:	Downstream Node:	MH16 B
Inspected Length:	Dia/Height:	150 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH16 B
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.08	RM	Roots, mass, 10% cross-sectional area loss, start
4	3.39	GP	General photograph taken at this point
5	5.90	RM	Roots, mass, 10% cross-sectional area loss, finish
6	5.91	MHF	Finish node type, manhole, reference number: MH17 X

PLR:	Upstream Node:	Gully
Inspection Direction:	Downstream Node:	MH17 A
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

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No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH17 A
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.98	JDM	Joint displaced, medium
4	0.98	SA	Survey abandoned

PLR:		Upstream Node:	Downpipe
Inspection Direction:	Upstream	Downstream Node:	MH17 B
Inspected Length:	2.15 m	Dia/Height:	100 mm
Total Length:	2.15 m	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH17 B
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.27	LU	Line deviates up
4	1.32	GP	General photograph taken at this point
5	2.15	OCF	Finish node type, other special chamber, reference number: Downpipe

PLR:		Upstream Node:	Gully
Inspection Direction:	Upstream	Downstream Node:	MH17 C
Inspected Length:	2.55 m	Dia/Height:	100 mm
Total Length:	2.55 m	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH17 C
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.21	RT	Roots, tap
4	1.18	GP	General photograph taken at this point
5	2.05	LL	Line deviates left
6	2.55	GYF	Finish node type, gully, reference number: Gully

PLR:		Upstream Node:	MH18 X
Inspection Direction:	Upstream	Downstream Node:	MH17 D
Inspected Length:	11.14 m	Dia/Height:	150 mm
Total Length:	11.14 m	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH17 D
2	0.01	WL	Water level, 5% of the vertical dimension
3	0.04	SC	Size changes, new size(s), 100mm high
4	1.99	GP	General photograph taken at this point
5	4.26	JN	Junction at 10 o'clock, diameter: 100mm
6	6.99	GP	General photograph taken at this point
7	8.10	RM	Roots, mass, 5% cross-sectional area loss, start
8	10.14	JN	Junction at 10 o'clock, diameter: 100mm
9	11.13	RM	Roots, mass, 5% cross-sectional area loss, finish
10	11.14	SA	Survey abandoned

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PLR:	Upstream Node:	Gully
Inspection Direction:	Downstream Node:	MH17 E
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

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: MH17 E
3	0.49	DEZJ	Attached deposits, other at joint from 12 o'clock to 12 o'clock, 5% cross-sectional area loss
4	2.06	DEZJ	Attached deposits, other at joint from 8 o'clock to 5 o'clock, 5% cross-sectional area loss
5	2.83	LU	Line deviates up
6	3.41	GYF	Finish node type, gully, reference number: Gully

PLR:	Upstream Node:	MH19 UTL
Inspection Direction:	Downstream Node:	MH18 D
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH18 D
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.02	RM	Roots, mass, 15% cross-sectional area loss, start
4	0.94	RM	Roots, mass, 15% cross-sectional area loss, finish
5	0.95	SA	Survey abandoned

PLR:	Upstream Node:	Gully
Inspection Direction:	Downstream Node:	MH18 E
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH18 E
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.15	LR	Line deviates right
4	1.51	DEZJ	Attached deposits, other at joint from 5 o'clock to 3 o'clock, 5% cross-sectional area loss
5	2.09	JDM	Joint displaced, medium
6	2.27	LU	Line deviates up
7	2.89	GYF	Finish node type, gully, reference number: Gully

PLR:	Upstream Node:	MH18 X
Inspection Direction:	Downstream Node:	MH17 D
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH18 X
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.02	RM	Roots, mass, 15% cross-sectional area loss, start
4	2.79	GP	General photograph taken at this point
5	5.17	RM	Roots, mass, 15% cross-sectional area loss, finish

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No.	m+	Code	Observation
6	5.18	OCF	Finish node type, other special chamber, reference number: MH17 D

PLR:	Upstream Node:	Downpipe?
Inspection Direction:	Downstream Node:	MH20 A
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH20 A
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.18	DES	Settled deposits, fine, 90% cross-sectional area loss
4	0.18	SA	Survey abandoned

PLR:	Upstream Node:	Downpipe
Inspection Direction:	Downstream Node:	MH20 B
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH20 B
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.02	FMJ	Fracture, multiple at joint from 7 o'clock to 1 o'clock
4	0.02	RMJ	Roots, mass at joint, 20% cross-sectional area loss
5	0.75	OCF	Finish node type, other special chamber, reference number: Downpipe

PLR:	Upstream Node:	MH20 X
Inspection Direction:	Downstream Node:	MH21 A
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH20 X
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.73	GP	General photograph taken at this point
4	2.46	JN	Junction at 1 o'clock, diameter: 100mm
5	2.97	DES	Settled deposits, fine, 15% cross-sectional area loss, start
6	4.96	GP	General photograph taken at this point
7	9.61	DES	Settled deposits, fine, 15% cross-sectional area loss, finish
8	9.62	SA	Survey abandoned

PLR:	Upstream Node:	MH25 X
Inspection Direction:	Downstream Node:	MH21 B
Inspected Length:	Dia/Height:	150 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH21 B
2	0.01	WL	Water level, 5% of the vertical dimension
3	1.90	GP	General photograph taken at this point
4	3.25	JN	Junction at 1 o'clock, diameter: 100mm

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No.	m+	Code	Observation
5	5.56	GP	General photograph taken at this point
6	7.27	JDM	Joint displaced, medium
7	9.63	MHF	Finish node type, manhole, reference number: MH25 X

PLR:	Upstream Node:	MH21 X
Inspection Direction:	Downstream Node:	MH22 B
Inspected Length:	Dia/Height:	150 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH21 X
2	0.01	WL	Water level, 5% of the vertical dimension
3	1.84	GP	General photograph taken at this point
4	4.51	JN	Junction at 10 o'clock, diameter: 100mm
5	5.07	CMJ	Cracks, multiple at joint from 9 o'clock to 3 o'clock
6	7.59	MHF	Finish node type, manhole, reference number: MH22 B

PLR:	Upstream Node:	Gully
Inspection Direction:	Downstream Node:	MH22 A
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH22 A
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.06	GP	General photograph taken at this point
4	0.27	LL	Line deviates left
5	0.73	GYF	Finish node type, gully, reference number: Gully

PLR:	Upstream Node:	Downpipe
Inspection Direction:	Downstream Node:	MH22 C
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH22 C
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.27	JDM	Joint displaced, medium
4	2.00	CCJ	Crack, circumferential at joint from 8 o'clock to 12 o'clock
5	2.56	CCJ	Crack, circumferential at joint from 9 o'clock to 2 o'clock
6	3.02	JDM	Joint displaced, medium
7	4.28	OCF	Finish node type, other special chamber, reference number: Downpipe

PLR:	Upstream Node:	Gully
Inspection Direction:	Downstream Node:	MH22 D
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH22 D

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No.	m+	Code	Observation
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.02	BJ	Broken pipe at joint from 9 o'clock to 4 o'clock ,
4	0.27	LU	Line deviates up
5	1.82	GYF	Finish node type, gully, reference number: Gully

PLR:		Upstream Node:	MH22 X
Inspection Direction:	Downstream	Downstream Node:	MH23 B
Inspected Length:	35.61 m	Dia/Height:	150 mm
Total Length:	35.61 m	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH22 X
2	0.01	WL	Water level, 5% of the vertical dimension
3	1.55	LD	Line deviates down, start
4	2.23	GP	General photograph taken at this point
5	4.27	LD	Line deviates down, finish
6	4.36	JN	Junction at 9 o'clock, diameter: 100mm
7	5.93	CL	Crack, longitudinal at 11 o'clock
8	7.02	JN	Junction at 11 o'clock, diameter: 100mm
9	9.34	JN	Junction at 10 o'clock, diameter: 100mm
10	12.57	GP	General photograph taken at this point
11	14.31	CCJ	Crack, circumferential at joint from 7 o'clock to 1 o'clock
12	15.77	JN	Junction at 10 o'clock, diameter: 100mm
13	17.80	JN	Junction at 1 o'clock, diameter: 100mm
14	18.99	JN	Junction at 11 o'clock, diameter: 100mm
15	19.26	JN	Junction at 11 o'clock, diameter: 100mm
16	21.01	JN	Junction at 9 o'clock, diameter: 100mm
17	23.04	GP	General photograph taken at this point
18	25.87	JN	Junction at 9 o'clock, diameter: 100mm
19	26.71	JXD	Defective junction, damaged at 10 o'clock, diameter: 100mm
20	28.36	JN	Junction at 9 o'clock, diameter: 100mm
21	30.54	CCJ	Crack, circumferential at joint from 7 o'clock to 2 o'clock
22	34.96	JN	Junction at 1 o'clock, diameter: 100mm
23	35.61	MHF	Finish node type, manhole, reference number: MH23 B

PLR:		Upstream Node:	Capped
Inspection Direction:	Upstream	Downstream Node:	MH23 A
Inspected Length:	3.83 m	Dia/Height:	100 mm
Total Length:	3.83 m	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH23 A
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.52	JDM	Joint displaced, medium
4	1.78	JN	Junction at 2 o'clock, diameter: 100mm
5	3.13	LU	Line deviates up

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No.	m+	Code	Observation
6	3.83	OCF	Finish node type, other special chamber, reference number: Capped

PLR:	Upstream Node:	MH23 C
Inspection Direction:	Downstream Node:	MH24 A
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH23 C
2	0.01	WL	Water level, 0% of the vertical dimension
3	4.03	GP	General photograph taken at this point
4	6.71	MHF	Finish node type, manhole, reference number: MH24 A

PLR:	Upstream Node:	MH23 X
Inspection Direction:	Downstream Node:	Main Sewer
Inspected Length:	Dia/Height:	150 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH23 X
2	0.01	WL	Water level, 5% of the vertical dimension
3	0.46	DEZJ	Attached deposits, other at joint from 5 o'clock to 8 o'clock, 5% cross-sectional area loss
4	0.72	LD	Line deviates down, start
5	3.12	GP	General photograph taken at this point
6	5.62	LL	Line deviates left
7	6.00	LD	Line deviates down, finish
8	6.00	MHF	Finish node type, manhole, reference number: Main Sewer

PLR:	Upstream Node:	Downpipe
Inspection Direction:	Downstream Node:	MH24 B
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH24 B
2	0.01	WL	Water level, 5% of the vertical dimension
3	0.02	LU	Line deviates up
4	0.13	FMJ	Fracture, multiple at joint from 10 o'clock to 2 o'clock
5	1.24	GP	General photograph taken at this point
6	1.58	LR	Line deviates right
7	1.95	OCF	Finish node type, other special chamber, reference number: Downpipe

PLR:	Upstream Node:	Downpipe
Inspection Direction:	Downstream Node:	MH24 C
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH24 C
2	0.01	WL	Water level, 5% of the vertical dimension

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No.	m+	Code	Observation
3	0.19	B	Broken pipe from 12 o'clock to 12 o'clock
4	1.99	DEZJ	Attached deposits, other at joint from 5 o'clock to 7 o'clock, 5% cross-sectional area loss
5	2.42	OCF	Finish node type, other special chamber, reference number: Downpipe

PLR:	Upstream Node:	Downpipe
Inspection Direction:	Downstream Node:	MH24 D
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH24 D
2	0.01	WL	Water level, 5% of the vertical dimension
3	0.02	CLJ	Crack, longitudinal at joint at 4 o'clock
4	1.06	RTJ	Roots, tap at joint
5	2.92	GP	General photograph taken at this point
6	4.99	DEX	Settled deposits, other, 5% cross-sectional area loss, start
7	7.21	LR	Line deviates right
8	8.36	DEX	Settled deposits, other, 5% cross-sectional area loss, finish
9	8.36	OCF	Finish node type, other special chamber, reference number: Downpipe

PLR:	Upstream Node:	MH26 X
Inspection Direction:	Downstream Node:	MH25 A
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH25 A
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.63	GP	General photograph taken at this point
4	3.27	RMJ	Roots, mass at joint, 10% cross-sectional area loss
5	5.57	GP	General photograph taken at this point
6	6.23	DEZJ	Attached deposits, other at joint from 12 o'clock to 2 o'clock, 5% cross-sectional area loss
7	7.60	MHF	Finish node type, manhole, reference number: MH26 A

PLR:	Upstream Node:	Gully
Inspection Direction:	Downstream Node:	MH25 B
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH25 B
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.19	GP	General photograph taken at this point
4	0.90	JDM	Joint displaced, medium
5	1.09	LL	Line deviates left
6	1.57	LR	Line deviates right
7	1.76	JN	Junction at 10 o'clock, diameter: 100mm
8	1.76	SA	Survey abandoned

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PLR:	Upstream Node: MH35
Inspection Direction: Upstream	Downstream Node: MH25 C
Inspected Length: 0.58 m	Dia/Height: 100 mm
Total Length: 0.58 m	Pipe Material: Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH25 C
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.25	LL	Line deviates left
4	0.58	MHF	Finish node type, manhole, reference number: MH35

PLR:	Upstream Node: Downpipe
Inspection Direction: Upstream	Downstream Node: MH26 A
Inspected Length: 1.28 m	Dia/Height: 100 mm
Total Length: 1.28 m	Pipe Material: Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH26 A
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.25	LU	Line deviates up
4	0.45	FLJ	Fracture, longitudinal at joint at 4 o'clock
5	1.28	OCF	Finish node type, other special chamber, reference number: Downpipe

PLR:	Upstream Node: Downpipe
Inspection Direction: Upstream	Downstream Node: MH26 B
Inspected Length: 1.85 m	Dia/Height: 100 mm
Total Length: 1.85 m	Pipe Material: Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH26 B
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.50	GP	General photograph taken at this point
4	0.96	LR	Line deviates right
5	1.02	JDM	Joint displaced, medium
6	1.85	OCF	Finish node type, other special chamber, reference number: Downpipe

PLR:	Upstream Node: MH27 X
Inspection Direction: Upstream	Downstream Node: MH26 C
Inspected Length: 9.91 m	Dia/Height: 100 mm
Total Length: 9.91 m	Pipe Material: Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH26 C
2	0.01	WL	Water level, 5% of the vertical dimension
3	1.77	GP	General photograph taken at this point
4	4.57	DEZJ	Attached deposits, other at joint from 11 o'clock to 2 o'clock, 5% cross-sectional area loss
5	6.00	GP	General photograph taken at this point
6	8.48	GP	General photograph taken at this point
7	9.91	MHF	Finish node type, manhole, reference number: MH27 X

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PLR:		Upstream Node:	Downpipe
Inspection Direction:	Upstream	Downstream Node:	MH27 A
Inspected Length:	1.40 m	Dia/Height:	100 mm
Total Length:	1.40 m	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH27 A
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.49	RM	Roots, mass, 10% cross-sectional area loss, start
4	1.40	RM	Roots, mass, 10% cross-sectional area loss, finish
5	1.40	OCF	Finish node type, other special chamber, reference number: Downpipe

PLR:		Upstream Node:	Downpipe
Inspection Direction:	Upstream	Downstream Node:	MH27 B
Inspected Length:	2.65 m	Dia/Height:	100 mm
Total Length:	2.65 m	Pipe Material:	Unidentified type of plastics

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH27 B
2	0.01	WL	Water level, 5% of the vertical dimension
3	0.54	GP	General photograph taken at this point
4	0.85	LR	Line deviates right
5	2.07	JDM	Joint displaced, medium
6	2.07	MCVC	Material changes to vitrified clay
7	2.38	LL	Line deviates left
8	2.65	OCF	Finish node type, other special chamber, reference number: Downpipe

PLR:		Upstream Node:	MH28 X
Inspection Direction:	Upstream	Downstream Node:	MH27 C
Inspected Length:	4.52 m	Dia/Height:	100 mm
Total Length:	4.52 m	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH27 C
2	0.01	WL	Water level, 5% of the vertical dimension
3	0.79	LL	Line deviates left
4	1.04	RM	Roots, mass, 5% cross-sectional area loss
5	1.34	CCJ	Crack, circumferential at joint from 12 o'clock to 12 o'clock
6	2.46	CCJ	Crack, circumferential at joint from 12 o'clock to 12 o'clock
7	4.52	MHF	Finish node type, manhole, reference number: MH28 X

PLR:		Upstream Node:	Downpipe
Inspection Direction:	Upstream	Downstream Node:	MH28 A
Inspected Length:	0.02 m	Dia/Height:	100 mm
Total Length:	0.02 m	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH28 A
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.02	OCF	Finish node type, other special chamber, reference number: Downpipe

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PLR:	Upstream Node:	Downpipe
Inspection Direction:	Downstream Node:	MH28 B
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Cast iron

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: MH28 B
3	0.02	GP	General photograph taken at this point
4	0.66	OCF	Finish node type, other special chamber, reference number: Downpipe

PLR:	Upstream Node:	Downpipe
Inspection Direction:	Downstream Node:	MH28 C
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH28 C
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.33	LL	Line deviates left
4	0.48	MCCI	Material changes to cast iron
5	0.68	OCF	Finish node type, other special chamber, reference number: Downpipe

PLR:	Upstream Node:	Downpipe
Inspection Direction:	Downstream Node:	MH28 D
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH28 D
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.02	LU	Line deviates up
4	0.04	DEZ	Attached deposits, other from 4 o'clock to 8 o'clock, 20% cross-sectional area loss
5	0.04	SA	Survey abandoned

PLR:	Upstream Node:	Unknown
Inspection Direction:	Downstream Node:	MH29 A
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH29 A
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.50	XP	Collapsed drain or sewer
4	0.50	SA	Survey abandoned

PLR:	Upstream Node:	Downpipe
Inspection Direction:	Downstream Node:	MH30 A
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

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No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH30 A
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.02	LU	Line deviates up
4	0.04	RM	Roots, mass, 5% cross-sectional area loss, start
5	1.66	GP	General photograph taken at this point
6	2.31	RM	Roots, mass, 5% cross-sectional area loss, finish
7	2.31	CCJ	Crack, circumferential at joint from 4 o'clock to 8 o'clock
8	3.79	OCF	Finish node type, other special chamber, reference number: Downpipe

PLR:		Upstream Node:	Gully
Inspection Direction:	Upstream	Downstream Node:	MH30 B
Inspected Length:	3.28 m	Dia/Height:	100 mm
Total Length:	3.28 m	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH30 B
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.02	DES	Settled deposits, fine, 15% cross-sectional area loss, start
4	1.59	DES	Settled deposits, fine, 15% cross-sectional area loss, finish
5	1.98	RTJ	Roots, tap at joint
6	3.28	GYF	Finish node type, gully, reference number: Gully

PLR:		Upstream Node:	Downpipe
Inspection Direction:	Upstream	Downstream Node:	MH30 C
Inspected Length:	2.69 m	Dia/Height:	100 mm
Total Length:	2.69 m	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH30 C
2	0.01	WL	Water level, 5% of the vertical dimension
3	0.06	LU	Line deviates up
4	1.38	DEEJ	Attached deposits, encrustation at joint from 8 o'clock to 5 o'clock, 5% cross-sectional area loss
5	1.98	RFJ	Roots, fine at joint
6	2.69	OCF	Finish node type, other special chamber, reference number: Downpipe

PLR:		Upstream Node:	Gully
Inspection Direction:	Upstream	Downstream Node:	MH30 D
Inspected Length:	1.09 m	Dia/Height:	100 mm
Total Length:	1.09 m	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH30 D
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.26	DEZJ	Attached deposits, other at joint from 12 o'clock to 12 o'clock, 5% cross-sectional area loss
4	1.09	GYF	Finish node type, gully, reference number: Gully

Section Summary

Project Name DIUK-1021_02 St Marys Gate, Derby CCTV Report	Project Number	Project Date 10/05/2018
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PLR:	Upstream Node:	MH29 X?
Inspection Direction:	Downstream Node:	MH30 E
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH30 E
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.02	FCJ	Fracture, circumferential at joint from 8 o'clock to 4 o'clock
4	0.46	FCJ	Fracture, circumferential at joint from 10 o'clock to 2 o'clock
5	1.10	CCJ	Crack, circumferential at joint from 1 o'clock to 11 o'clock
6	1.74	RFJ	Roots, fine at joint
7	2.94	CCJ	Crack, circumferential at joint from 12 o'clock to 12 o'clock
8	2.96	DEZJ	Attached deposits, other at joint from 4 o'clock to 8 o'clock, 35% cross-sectional area loss
9	2.96	SA	Survey abandoned

PLR:	Upstream Node:	Downpipe
Inspection Direction:	Downstream Node:	MH30 F
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH30 F
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.12	RM	Roots, mass, 5% cross-sectional area loss, start
4	1.06	LL	Line deviates left
5	1.76	RM	Roots, mass, 5% cross-sectional area loss, finish
6	1.76	OCF	Finish node type, other special chamber, reference number: Downpipe

PLR:	Upstream Node:	MH30 X
Inspection Direction:	Downstream Node:	MH32 A
Inspected Length:	Dia/Height:	150 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: Buried MH
2	0.01	WL	Water level, 5% of the vertical dimension
3	1.45	GP	General photograph taken at this point
4	4.24	GP	General photograph taken at this point
5	7.97	MHF	Finish node type, manhole, reference number: MH30 X

PLR:	Upstream Node:	Unknown
Inspection Direction:	Downstream Node:	MH32 B
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH32 B
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.15	JDL	Joint displaced, large

Section Summary

Project Name DIUK-1021_02 St Marys Gate, Derby CCTV Report	Project Number	Project Date 10/05/2018
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No.	m+	Code	Observation
4	0.15	SA	Survey abandoned

PLR:		Upstream Node:	Gully
Inspection Direction:	Upstream	Downstream Node:	MH32 C
Inspected Length:	6.49 m	Dia/Height:	100 mm
Total Length:	6.49 m	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH32 C
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.54	LL	Line deviates left
4	2.81	GP	General photograph taken at this point
5	5.91	GP	General photograph taken at this point
6	6.49	GYF	Finish node type, gully, reference number: Gully

PLR:		Upstream Node:	Downpipe
Inspection Direction:	Upstream	Downstream Node:	MH32 D
Inspected Length:	2.17 m	Dia/Height:	100 mm
Total Length:	2.17 m	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH32 D
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.02	RM	Roots, mass, 5% cross-sectional area loss, start
4	2.17	RM	Roots, mass, 5% cross-sectional area loss, finish
5	2.17	OCF	Finish node type, other special chamber, reference number: Gully

PLR:		Upstream Node:	Downpipe
Inspection Direction:	Upstream	Downstream Node:	MH32 E
Inspected Length:	1.73 m	Dia/Height:	100 mm
Total Length:	1.73 m	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH32 E
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.14	RM	Roots, mass, 5% cross-sectional area loss, start
4	1.73	RM	Roots, mass, 5% cross-sectional area loss, finish
5	1.73	OCF	Finish node type, other special chamber, reference number: Downpipe

PLR:		Upstream Node:	Unknown
Inspection Direction:	Upstream	Downstream Node:	MH32 F
Inspected Length:	16.70 m	Dia/Height:	150 mm
Total Length:	16.70 m	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH32 F
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.21	RMJ	Roots, mass at joint, 5% cross-sectional area loss
4	0.93	LL	Line deviates left
5	2.03	RFJ	Roots, fine at joint

Section Summary

Project Name DIUK-1021_02 St Marys Gate, Derby CCTV Report	Project Number	Project Date 10/05/2018
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No.	m+	Code	Observation
6	3.91	RM	Roots, mass, 5% cross-sectional area loss, start
7	7.04	LR	Line deviates right
8	8.79	RM	Roots, mass, 5% cross-sectional area loss, finish
9	9.86	DES	Settled deposits, fine, 5% cross-sectional area loss, start
10	16.70	DES	Settled deposits, fine, 5% cross-sectional area loss, finish
11	16.70	XP	Collapsed drain or sewer
12	16.70	SA	Survey abandoned

PLR:	Upstream Node:	Gully
Inspection Direction:	Downstream Node:	MH32 G
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH32 G
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.19	GYF	Finish node type, gully, reference number: Gully

PLR:	Upstream Node:	MH32 X
Inspection Direction:	Downstream Node:	MH33 UTL
Inspected Length:	Dia/Height:	150 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH32 X
2	0.01	WL	Water level, 5% of the vertical dimension
3	0.33	RM	Roots, mass, 5% cross-sectional area loss, start
4	4.43	GP	General photograph taken at this point
5	11.09	GP	General photograph taken at this point
6	15.04	RM	Roots, mass, 5% cross-sectional area loss, finish
7	15.04	REM	General remark
8	15.12	MCCI	Material changes to cast iron
9	17.81	MHF	Finish node type, manhole, reference number: MH33 UTL

PLR:	Upstream Node:	Gully
Inspection Direction:	Downstream Node:	MH34 A
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH34 A
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.02	RM	Roots, mass, 5% cross-sectional area loss, start
4	0.58	LL	Line deviates left
5	1.76	RM	Roots, mass, 5% cross-sectional area loss, finish
6	1.76	GYF	Finish node type, gully, reference number: Gully

Section Summary

Project Name DIUK-1021_02 St Marys Gate, Derby CCTV Report	Project Number	Project Date 10/05/2018
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PLR:	Upstream Node:	Downpipe
Inspection Direction:	Downstream Node:	MH34 B
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH34 B
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.45	LU	Line deviates up
4	1.61	REM	General remark
5	1.84	GP	General photograph taken at this point
6	2.88	RM	Roots, mass, 5% cross-sectional area loss
7	2.88	JN	Junction at 10 o'clock, diameter: 100mm
8	4.20	OCF	Finish node type, other special chamber, reference number: Downpipe

PLR:	Upstream Node:	Downpipe
Inspection Direction:	Downstream Node:	MH34 C
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH34 C
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.45	LU	Line deviates up
4	1.33	REM	General remark
5	2.54	RFJ	Roots, fine at joint
6	4.24	OCF	Finish node type, other special chamber, reference number: Downpipe

PLR:	Upstream Node:	Downpipe
Inspection Direction:	Downstream Node:	MH34 D
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH34 D
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.64	GP	General photograph taken at this point
4	1.13	DEXJ	Settled deposits, other at joint, 5% cross-sectional area loss
5	1.13	JN	Junction at 9 o'clock, diameter: 100mm
6	2.56	OCF	Finish node type, other special chamber, reference number: Downpipe

PLR:	Upstream Node:	Downpipe
Inspection Direction:	Downstream Node:	MH32 E
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH32 E
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.04	LU	Line deviates up

Section Summary

Project Name DIUK-1021_02 St Marys Gate, Derby CCTV Report	Project Number	Project Date 10/05/2018
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No.	m+	Code	Observation
4	0.54	LL	Line deviates left
5	0.54	REM	General remark
6	3.03	LL	Line deviates left
7	3.74	OCF	Finish node type, other special chamber, reference number: Downpipe

PLR:	Upstream Node:	Downpipe
Inspection Direction:	Downstream Node:	MH34 F
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH34 F
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.02	RM	Roots, mass, 5% cross-sectional area loss, start
4	0.70	LU	Line deviates up
5	1.97	REM	General remark
6	1.97	RM	Roots, mass, 5% cross-sectional area loss, finish
7	4.02	OCF	Finish node type, other special chamber, reference number: Downpipe

PLR:	Upstream Node:	Unknown
Inspection Direction:	Downstream Node:	MH34 G
Inspected Length:	Dia/Height:	100 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH34 G
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.02	DES	Settled deposits, fine, 5% cross-sectional area loss, start
4	1.03	LU	Line deviates up
5	3.62	DES	Settled deposits, fine, 5% cross-sectional area loss, finish
6	3.62	JDM	Joint displaced, medium
7	3.62	SA	Survey abandoned

PLR:	Upstream Node:	MH34 X
Inspection Direction:	Downstream Node:	MH33 UTL
Inspected Length:	Dia/Height:	150 mm
Total Length:	Pipe Material:	Vitrified clay pipe (i.e. all clayware)

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number: MH34 X
2	0.01	WL	Water level, 0% of the vertical dimension
3	0.64	RF	Roots, fine, start
4	3.49	JN	Junction at 11 o'clock, diameter: 100mm
5	7.27	RF	Roots, fine, finish
6	7.27	MHF	Finish node type, manhole, reference number: MH33 UTL

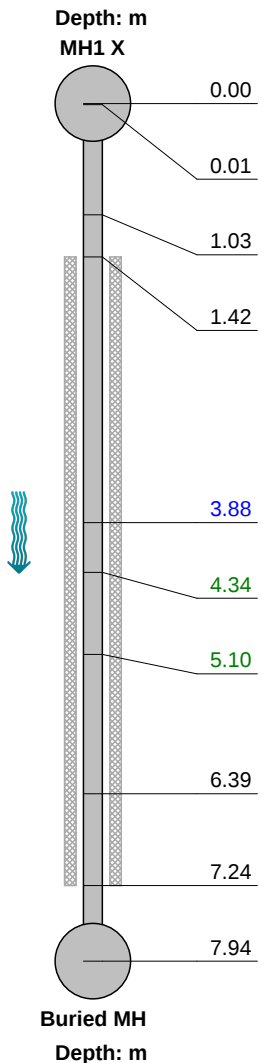
Section Inspection - 10/05/2018

Section 1	Inspection 1	Date 10/05/18	Time 15:54	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Downstream	Upstream Node:	MH1 X
Road:	St. Mary'S Gate	Inspected Length:	7.94 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	7.94 m	Downstream Node:	BURIED MH
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:	225 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:70	Position [m]	Code	Observation	MPEG	Photo	Grade
						
	0.00	MH	Start node type, manhole, reference number: MH1 X	00:00:00		
	0.01	WL	Water level, 5% of the vertical dimension			
	1.03	GP	General photograph taken at this point	00:00:10		
	1.42	S01 LD	Line deviates down, start	00:00:14		
	3.88	CMJ	Cracks, multiple at joint from 9 o'clock to 3 o'clock	00:00:48		3
	4.34	CCJ	Crack, circumferential at joint from 7 o'clock to 12 o'clock	00:00:51		2
	5.10	CCJ	Crack, circumferential at joint from 12 o'clock to 6 o'clock	00:00:56		2
	6.39	GP	General photograph taken at this point	00:01:15		
	7.24	F01 LD	Line deviates down, finish	00:01:47		
	7.94	MHF	Finish node type, manhole, reference number: Buried MH			

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
3	40.0	7.6	60.0	3.0	0	0.0	0.0	0.0	1.0

Section Pictures - 10/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
1	Downstream			DIUK-1021



, 00:00:10, 1.03 m
 General photograph taken at this point



, 00:00:48, 3.88 m
 Cracks, multiple at joint from 9 o'clock to 3 o'clock



, 00:00:51, 4.34 m
 Crack, circumferential at joint from 7 o'clock to 12 o'clock



, 00:00:56, 5.10 m
 Crack, circumferential at joint from 12 o'clock to 6 o'clock

Section Pictures - 10/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
1	Downstream			DIUK-1021



, 00:01:15, 6.39 m
 General photograph taken at this point

Section Inspection - 14/05/2018

Section	Inspection	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
2	2	14/05/18	8:29		No Rain Or Snow	No	
Operator		Vehicle		Camera	Preset Length	Criticality Grade	Alternative ID
P K		EY67 OJW		Mini-Cam Solopro+			

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	MH24 X
Road:	St. Mary'S Gate	Inspected Length:	28.72 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	28.72 m	Downstream Node:	MH1 A
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:	150 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:250 Position [m] Code Observation MPEG Photo Grade

Depth: m

MH1 A



0.00

MH

Start node type, manhole, reference number: MH1 A

00:00:00

0.01

WL

Water level, 5% of the vertical dimension

4.96

DECJ

Settled deposits, hard or compacted at joint, 10% cross-sectional area loss

00:00:37

3

6.45

JN

Junction at 1 o'clock, diameter: 100mm

00:02:19

9.73

GP

General photograph taken at this point

00:03:40

13.21

JN

Junction at 1 o'clock, diameter: 100mm

00:03:56

18.87

GP

General photograph taken at this point

00:04:27

22.36

JN

Junction at 1 o'clock, diameter: 100mm

00:04:56

26.94

JN

Junction at 1 o'clock, diameter: 100mm

00:05:23

28.72

MHF

Finish node type, manhole, reference number: MH24 X

00:05:37

MH24 X

Depth: m

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	1	2.0	0.1	2.0	3.0

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
2	Upstream			DIUK-1021



, 00:00:37, 4.96 m
 Settled deposits, hard or compacted at joint, 10% cross-sectional area loss



, 00:02:19, 6.45 m
 Junction at 1 o'clock, diameter: 100mm



, 00:03:40, 9.73 m
 General photograph taken at this point



, 00:03:56, 13.21 m
 Junction at 1 o'clock, diameter: 100mm

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
2	Upstream			DIUK-1021



, 00:04:27, 18.87 m
 General photograph taken at this point



, 00:04:56, 22.36 m
 Junction at 1 o'clock, diameter: 100mm



, 00:05:23, 26.94 m
 Junction at 1 o'clock, diameter: 100mm



, 00:05:37, 28.72 m
 Finish node type, manhole, reference number: MH24 X

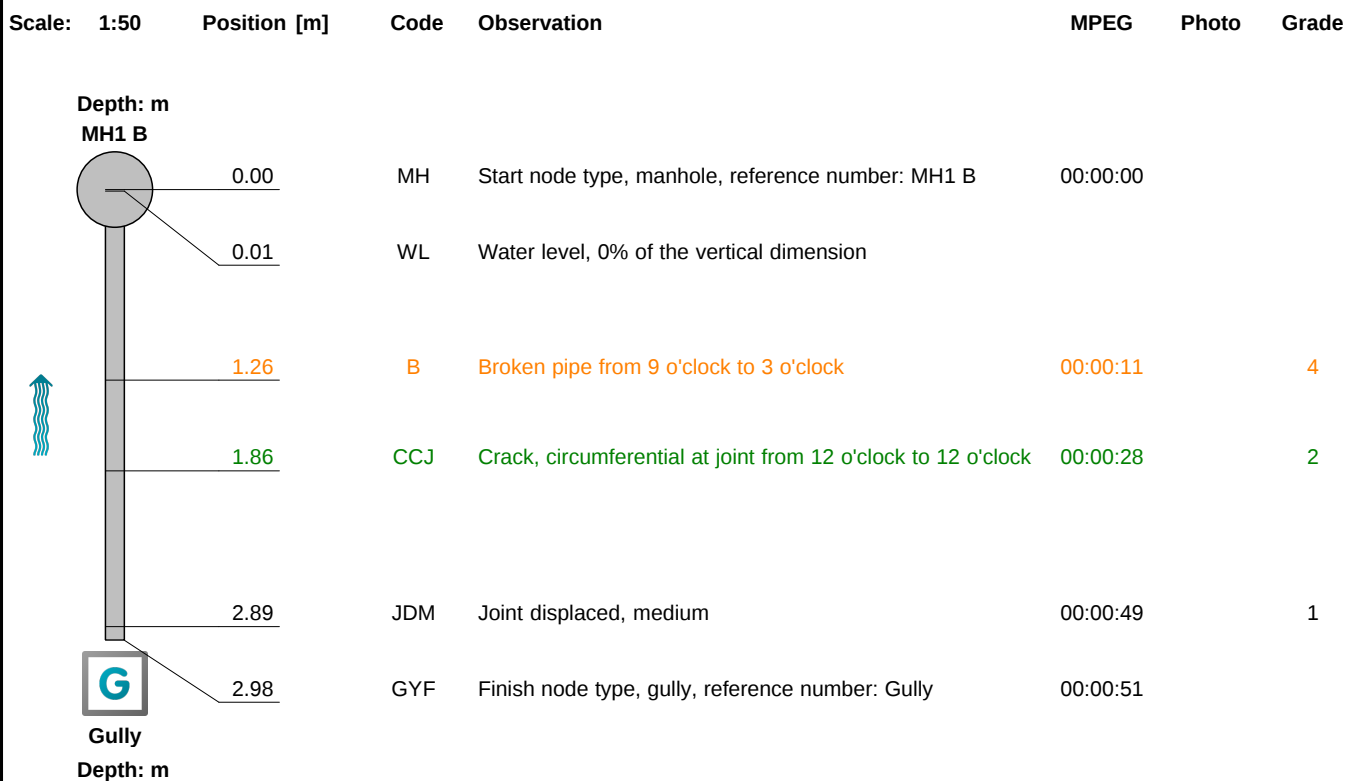
Section Inspection - 14/05/2018

Section	Inspection	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
3	3	14/05/18	9:11		No Rain Or Snow	No	
Operator		Vehicle		Camera	Preset Length	Criticality Grade	Alternative ID
P K		EY67 OJW		Mini-Cam Solopro+			

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	GULLY
Road:	St. Mary'S Gate	Inspected Length:	2.98 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	2.98 m	Downstream Node:	MH1 B
Surface Type:	Asphalt Highway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
						
	0.00	MH	Start node type, manhole, reference number: MH1 B	00:00:00		
	0.01	WL	Water level, 0% of the vertical dimension			
	1.26	B	Broken pipe from 9 o'clock to 3 o'clock	00:00:11		4
	1.86	CCJ	Crack, circumferential at joint from 12 o'clock to 12 o'clock	00:00:28		2
	2.89	JDM	Joint displaced, medium	00:00:49		1
	2.98	GYF	Finish node type, gully, reference number: Gully	00:00:51		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
3	80.0	30.5	91.0	4.0	0	0.0	0.0	0.0	1.0

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
3	Upstream			DIUK-1021



, 00:00:11, 1.26 m
 Broken pipe from 9 o'clock to 3 o'clock



, 00:00:28, 1.86 m
 Crack, circumferential at joint from 12 o'clock to 12 o'clock



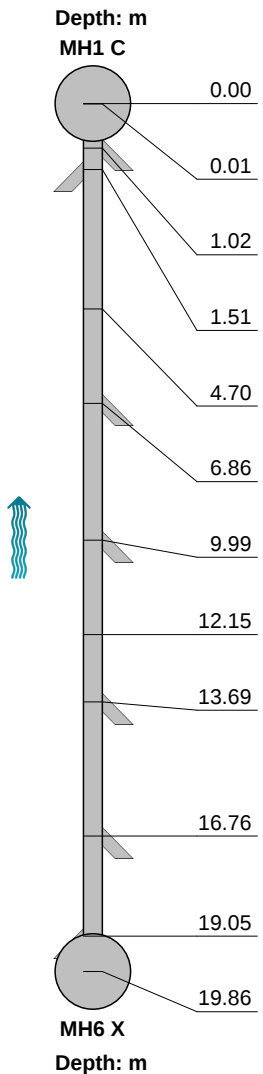
, 00:00:49, 2.89 m
 Joint displaced, medium

Section Inspection - 14/05/2018

Section	Inspection	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
4	4	14/05/18	9:38		No Rain Or Snow	No	
Operator	Vehicle	Camera	Preset Length	Criticality Grade	Alternative ID		
P K	EY67 OJW	Mini-Cam Solopro+					

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	MH6 X
Road:	St. Mary'S Gate	Inspected Length:	19.86 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	19.86 m	Downstream Node:	MH1 C
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:	225 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:
Recommendations:

Scale: 1:173	Position [m]	Code	Observation	MPEG	Photo	Grade
						
	0.00	MH	Start node type, manhole, reference number: MH1 C	00:00:00		
	0.01	WL	Water level, 5% of the vertical dimension			
	1.02	JN	Junction at 10 o'clock, diameter: 100mm	00:00:11		
	1.51	JN	Junction at 1 o'clock, diameter: 100mm	00:00:16		
	4.70	GP	General photograph taken at this point	00:00:25		
	6.86	JN	Junction at 10 o'clock, diameter: 100mm	00:00:43		
	9.99	JN	Junction at 9 o'clock, diameter: 100mm	00:01:04		
	12.15	GP	General photograph taken at this point	00:01:30		
	13.69	JN	Junction at 11 o'clock, diameter: 100mm	00:01:39		
	16.76	JN	Junction at 10 o'clock, diameter: 100mm	00:02:03		
	19.05	JN	Junction at 1 o'clock, diameter: 100mm	00:02:14		
	19.86	SA	Survey abandoned: Unable to push camera any further	00:02:49		

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 - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
4	Upstream			DIUK-1021



, 00:00:11, 1.02 m
 Junction at 10 o'clock, diameter: 100mm



, 00:00:16, 1.51 m
 Junction at 1 o'clock, diameter: 100mm



, 00:00:25, 4.70 m
 General photograph taken at this point



, 00:00:43, 6.86 m
 Junction at 10 o'clock, diameter: 100mm

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
4	Upstream			DIUK-1021



, 00:01:04, 9.99 m
 Junction at 9 o'clock, diameter: 100mm



, 00:01:30, 12.15 m
 General photograph taken at this point



, 00:01:39, 13.69 m
 Junction at 11 o'clock, diameter: 100mm



, 00:02:03, 16.76 m
 Junction at 10 o'clock, diameter: 100mm

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
4	Upstream			DIUK-1021



, 00:02:14, 19.05 m
 Junction at 1 o'clock, diameter: 100mm



, 00:02:49, 19.86 m
 Survey abandoned, Unable to push camera any further

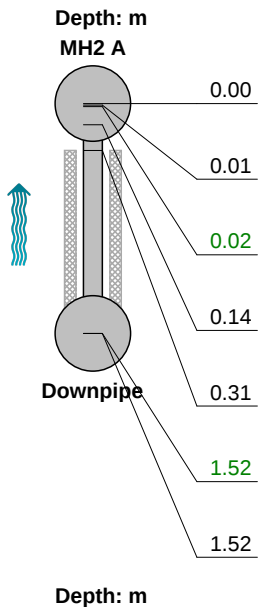
Section Inspection - 14/05/2018

Section	Inspection	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
5	5	14/05/18	10:01		No Rain Or Snow	No	
Operator		Vehicle		Camera	Preset Length	Criticality Grade	Alternative ID
P K		EY67 OJW		Mini-Cam Solopro+			

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE
Road:	St. Mary'S Gate	Inspected Length:	1.52 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	1.52 m	Downstream Node:	MH2 A
Surface Type:	Asphalt Highway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
						
Depth: m	0.00	MH	Start node type, manhole, reference number: MH2 A	00:00:00		
	0.01	WL	Water level, 0% of the vertical dimension			
	0.02	CCJ	Crack, circumferential at joint from 12 o'clock to 12 o'clock	00:00:03		2
	0.14	LR	Line deviates right	00:00:09		
Downpipe	0.31	S01	Settled deposits, fine, 5% cross-sectional area loss, start	00:00:10		
	1.52	F01	Settled deposits, fine, 5% cross-sectional area loss, finish	00:00:28		2
	1.52	OCF	Finish node type, other special chamber, reference number: Downpipe	00:00:28		
Depth: m						

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	6.6	10.0	2.0	1	1.0	0.7	1.0	2.0

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
5	Upstream			DIUK-1021



, 00:00:03, 0.02 m
 Crack, circumferential at joint from 12 o'clock to 12 o'clock



, 00:00:10, 0.31 m
 Settled deposits, fine, 5% cross-sectional area loss, start



, 00:00:28, 1.52 m
 Finish node type, other special chamber, reference number:
 Downpipe

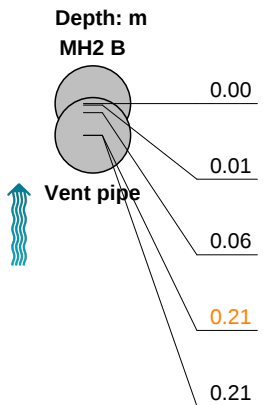
Section Inspection - 14/05/2018

Section 6	Inspection 6	Date 14/05/18	Time 10:07	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	VENT PIPE
Road:	St. Mary'S Gate	Inspected Length:	0.21 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	0.21 m	Downstream Node:	MH2 B
Surface Type:	Asphalt Highway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
						
	0.00	MH	Start node type, manhole, reference number: MH2 B	00:00:00		
	0.01	WL	Water level, 0% of the vertical dimension			
	0.06	S01	DES	Settled deposits, fine, 40% cross-sectional area loss, start	00:00:01	
	0.21	F01	DES	Settled deposits, fine, 40% cross-sectional area loss, finish	00:00:15	4
	0.21	SA	Survey abandoned: Unable to pass debris	00:00:15		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	1	5.0	23.8	5.0	4.0

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
6	Upstream			DIUK-1021



, 00:00:01, 0.06 m
 Settled deposits, fine, 40% cross-sectional area loss, start



, 00:00:15, 0.21 m
 Survey abandoned, Unable to pass debris

Section Inspection - 14/05/2018

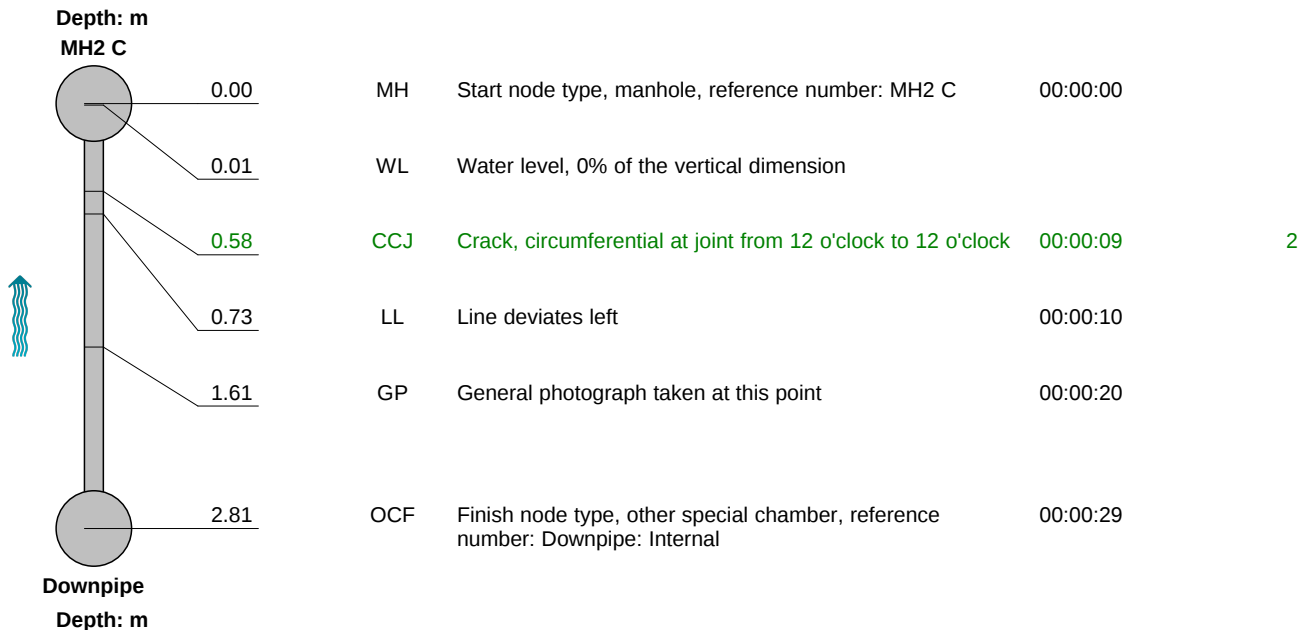
Section	Inspection	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
7	7	14/05/18	10:09		No Rain Or Snow	No	
Operator		Vehicle		Camera	Preset Length	Criticality Grade	Alternative ID
P K		EY67 OJW		Mini-Cam Solopro+			

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE
Road:	St. Mary'S Gate	Inspected Length:	2.81 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	2.81 m	Downstream Node:	MH2 C
Surface Type:	Asphalt Highway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

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



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	3.6	10.0	2.0	0	0.0	0.0	0.0	1.0

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
7	Upstream			DIUK-1021



, 00:00:09, 0.58 m
 Crack, circumferential at joint from 12 o'clock to 12 o'clock



, 00:00:20, 1.61 m
 General photograph taken at this point



, 00:00:29, 2.81 m
 Finish node type, other special chamber, reference number:
 Downpipe, Internal

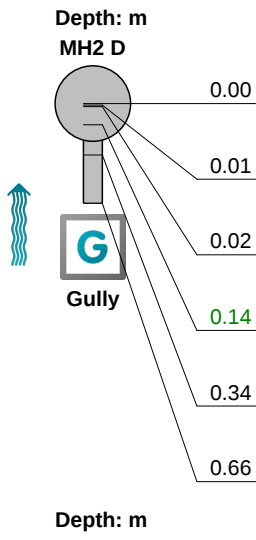
Section Inspection - 14/05/2018

Section	Inspection	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
8	8	14/05/18	10:14		No Rain Or Snow	No	
Operator		Vehicle		Camera	Preset Length	Criticality Grade	Alternative ID
P K		EY67 OJW		Mini-Cam Solopro+			

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	GULLY
Road:	St. Mary'S Gate	Inspected Length:	0.66 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	0.66 m	Downstream Node:	MH2 D
Surface Type:	Asphalt Highway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
						
	0.00	MH	Start node type, manhole, reference number: MH2 D	00:00:00		
	0.01	WL	Water level, 0% of the vertical dimension			
	0.02	LU	Line deviates up	00:00:03		
	0.14	CCJ	Crack, circumferential at joint from 12 o'clock to 7 o'clock	00:00:04		2
	0.34	LL	Line deviates left	00:00:07		
	0.66	GYF	Finish node type, gully, reference number: Gully	00:00:12		

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	15.2	10.0	2.0	0	0.0	0.0	0.0	1.0

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
8	Upstream			DIUK-1021



, 00:00:04, 0.14 m
 Crack, circumferential at joint from 12 o'clock to 7 o'clock

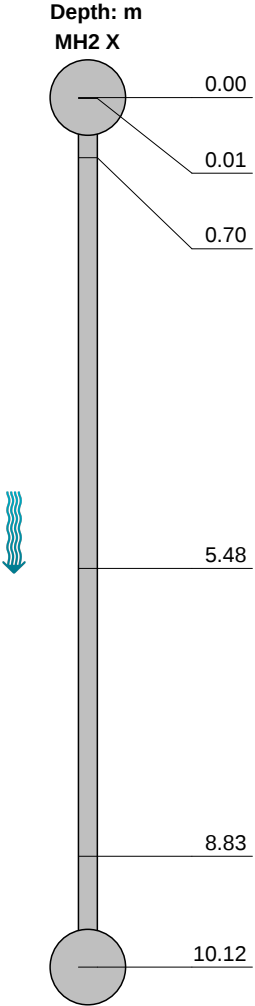
Section Inspection - 14/05/2018

Section 9	Inspection 9	Date 14/05/18	Time 10:19	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Downstream	Upstream Node:	MH2 X
Road:	St. Mary'S Gate	Inspected Length:	10.12 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	10.12 m	Downstream Node:	OFFSITE MH
Surface Type:	Asphalt Highway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:88	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH2 X 						
	0.00	MH	Start node type, manhole, reference number: MH2 X	00:00:00		
	0.01	WL	Water level, 0% of the vertical dimension			
	0.70	GP	General photograph taken at this point	00:00:11		
	5.48	GP	General photograph taken at this point	00:00:43		
	8.83	JDM	Joint displaced, medium	00:01:05		1
	10.12	MHF	Finish node type, manhole, reference number: Offsite MH	00:01:20		
Offsite MH Depth: m						

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
1	1.0	0.1	1.0	1.0	0	0.0	0.0	0.0	1.0

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
9	Downstream			DIUK-1021



, 00:00:11, 0.70 m
 General photograph taken at this point



, 00:00:43, 5.48 m
 General photograph taken at this point



, 00:01:05, 8.83 m
 Joint displaced, medium



, 00:01:20, 10.12 m
 Finish node type, manhole, reference number: Offsite MH

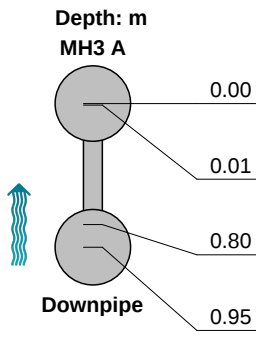
Section Inspection - 14/05/2018

Section 10	Inspection 10	Date 14/05/18	Time 10:25	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE
Road:	St. Mary'S Gate	Inspected Length:	0.95 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	0.95 m	Downstream Node:	MH3 A
Surface Type:	Asphalt Highway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
						
	0.00	MH	Start node type, manhole, reference number: MH3 A	00:00:00		
	0.01	WL	Water level, 0% of the vertical dimension			
	0.80	GP	General photograph taken at this point	00:00:08		
	0.95	OCF	Finish node type, other special chamber, reference number: Downpipe: Internal	00:00:09		

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 - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
10	Upstream			DIUK-1021



, 00:00:08, 0.80 m
 General photograph taken at this point

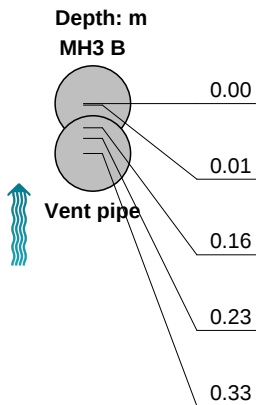
Section Inspection - 14/05/2018

Section 11	Inspection 11	Date 14/05/18	Time 10:27	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	VENT PIPE
Road:	St. Mary'S Gate	Inspected Length:	0.33 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	0.33 m	Downstream Node:	MH3 B
Surface Type:	Asphalt Highway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
						
	0.00	MH	Start node type, manhole, reference number: MH3 B	00:00:00		
	0.01	WL	Water level, 0% of the vertical dimension			
	0.16	LL	Line deviates left	00:00:04		
	0.23	GP	General photograph taken at this point	00:00:08		
	0.33	OCF	Finish node type, other special chamber, reference number: Vent pipe	00:00:11		

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 - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
11	Upstream			DIUK-1021



, 00:00:08, 0.23 m
 General photograph taken at this point

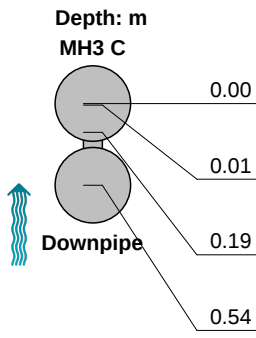
Section Inspection - 14/05/2018

Section 12	Inspection 12	Date 14/05/18	Time 10:31	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE
Road:	St. Mary'S Gate	Inspected Length:	0.54 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	0.54 m	Downstream Node:	MH3 C
Surface Type:	Asphalt Highway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
						
	0.00	MH	Start node type, manhole, reference number: MH3 C	00:00:00		
	0.01	WL	Water level, 0% of the vertical dimension			
	0.19	GP	General photograph taken at this point	00:00:04		
	0.54	OCF	Finish node type, other special chamber, reference number: Downpipe: Internal	00:00:00		

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 - 14/05/2018

Section 12	Inspection Direction Upstream	PLR	Client's Job Ref	Contractor's Job Ref DIUK-1021
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, 00:00:04, 0.19 m
 General photograph taken at this point

Section Inspection - 14/05/2018

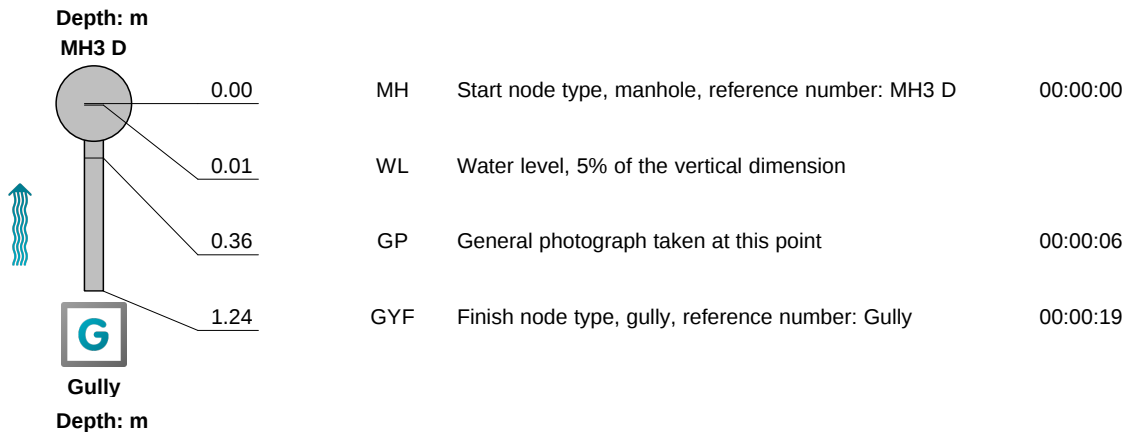
Section 13	Inspection 13	Date 14/05/18	Time 10:35	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	GULLY
Road:	St. Mary'S Gate	Inspected Length:	1.24 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	1.24 m	Downstream Node:	MH3 D
Surface Type:	Asphalt Highway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

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



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 - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
13	Upstream			DIUK-1021



, 00:00:06, 0.36 m
 General photograph taken at this point



, 00:00:19, 1.24 m
 Finish node type, gully, reference number: Gully

Section Inspection - 14/05/2018

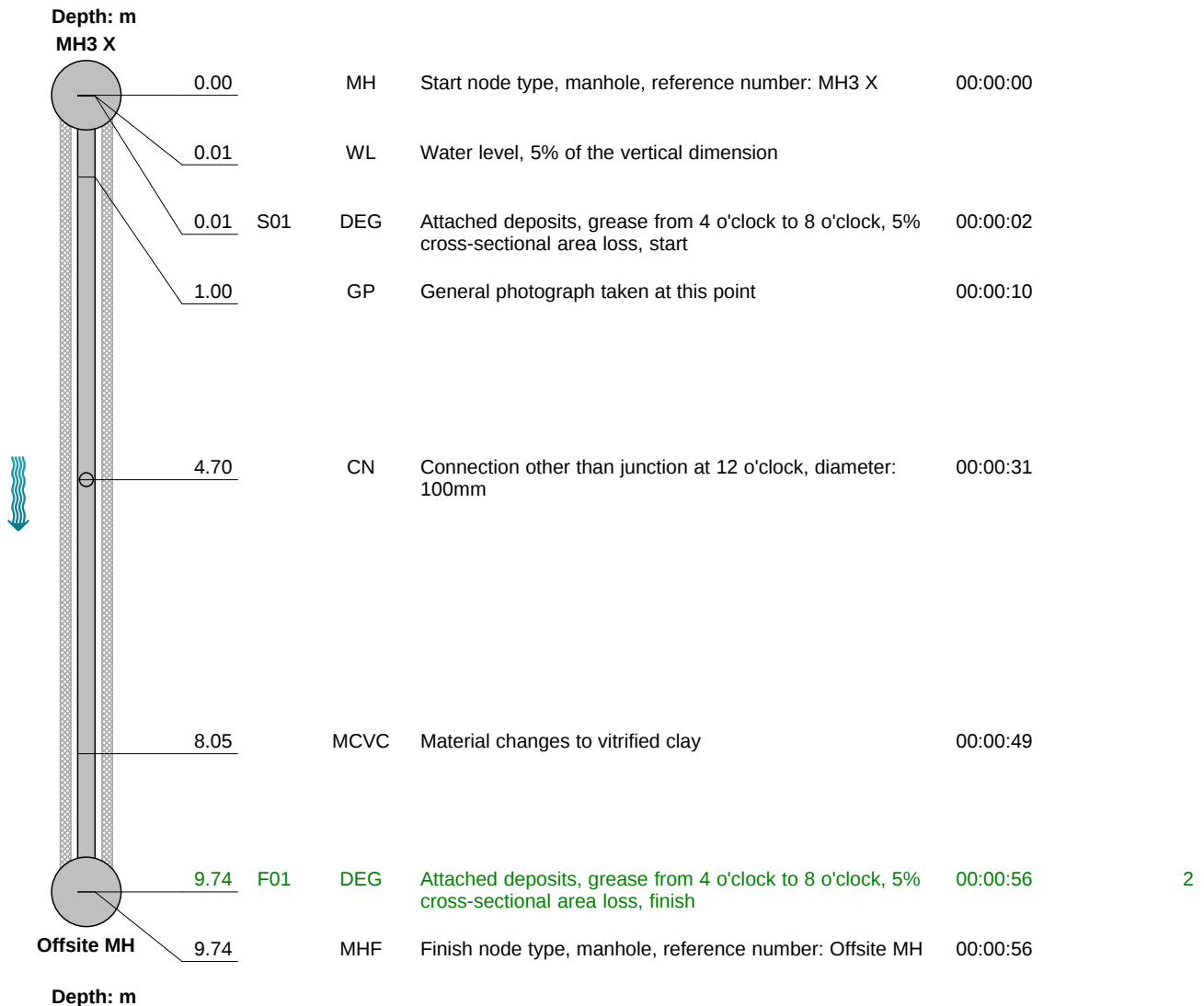
Section 14	Inspection 14	Date 14/05/18	Time 10:39	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Downstream	Upstream Node:	MH3 X
Road:	St. Mary'S Gate	Inspected Length:	9.74 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	9.74 m	Downstream Node:	OFFSITE MH
Surface Type:	Asphalt Highway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Year Constructed:		Pipe Material:	Cast iron		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition		Lining Material:	None	

Comments:

Recommendations:

Scale: 1:85 Position [m] Code Observation MPEG Photo Grade



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	1.0	0.1	1.0	2.0

Section Pictures - 14/05/2018

Section 14	Inspection Direction Downstream	PLR	Client's Job Ref	Contractor's Job Ref
				DIUK-1021



, 00:00:02, 0.01 m
 Attached deposits, grease from 4 o'clock to 8 o'clock, 5%
 cross-sectional area loss, start



, 00:00:10, 1.00 m
 General photograph taken at this point



, 00:00:31, 4.70 m
 Connection other than junction at 12 o'clock, diameter:
 100mm



, 00:00:49, 8.05 m
 Material changes to vitrified clay

Section Pictures - 14/05/2018

Section 14	Inspection Direction Downstream	PLR	Client's Job Ref	Contractor's Job Ref DIUK-1021
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, 00:00:56, 9.74 m
 Finish node type, manhole, reference number: Offsite MH

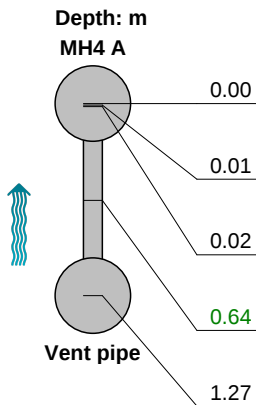
Section Inspection - 14/05/2018

Section 15	Inspection 16	Date 14/05/18	Time 10:59	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	VENT PIPE
Road:	St. Mary'S Gate	Inspected Length:	1.27 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	1.27 m	Downstream Node:	MH4 A
Surface Type:	Asphalt Highway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
						
	0.00	MH	Start node type, manhole, reference number: MH4 A	00:00:00		
	0.01	WL	Water level, 0% of the vertical dimension			
	0.02	LU	Line deviates up	00:00:03		
	0.64	CC	Crack, circumferential from 12 o'clock to 6 o'clock	00:00:09		2
	1.27	OCF	Finish node type, other special chamber, reference number: Vent pipe	00:00:14		

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	7.9	10.0	2.0	0	0.0	0.0	0.0	1.0

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
15	Upstream			DIUK-1021



, 00:00:09, 0.64 m
 Crack, circumferential from 12 o'clock to 6 o'clock



, 00:00:14, 1.27 m
 Finish node type, other special chamber, reference number:
 Vent pipe

Section Inspection - 14/05/2018

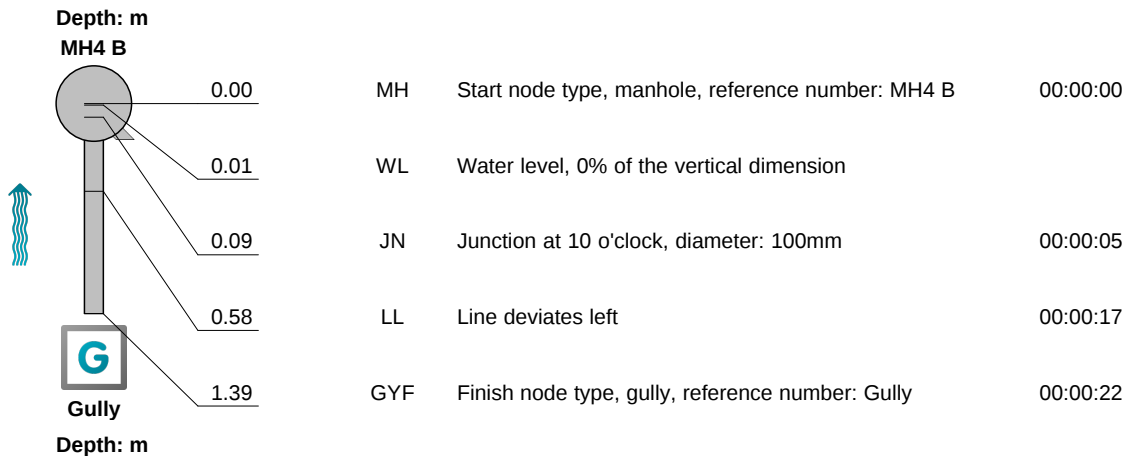
Section 16	Inspection 17	Date 14/05/18	Time 11:01	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	GULLY
Road:	St. Mary'S Gate	Inspected Length:	1.39 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	1.39 m	Downstream Node:	MH4 B
Surface Type:	Asphalt Highway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

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



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 - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
16	Upstream			DIUK-1021



, 00:00:05, 0.09 m
 Junction at 10 o'clock, diameter: 100mm



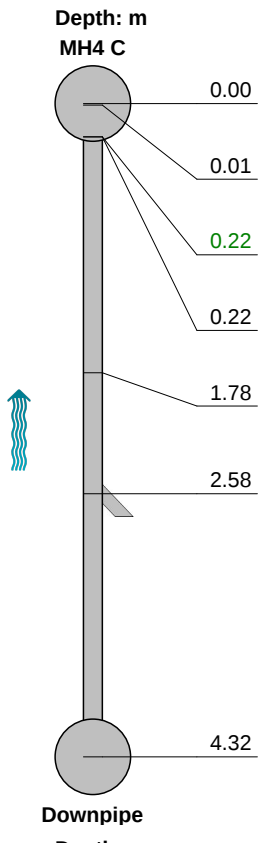
, 00:00:22, 1.39 m
 Finish node type, gully, reference number: Gully

Section Inspection - 14/05/2018

Section 17	Inspection 18	Date 14/05/18	Time 11:05	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE
Road:	St. Mary'S Gate	Inspected Length:	4.32 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	4.32 m	Downstream Node:	MH4 C
Surface Type:	Asphalt Highway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:
Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
						
	0.00	MH	Start node type, manhole, reference number: MH4 C	00:00:00		
	0.01	WL	Water level, 0% of the vertical dimension			
	0.22	CCJ	Crack, circumferential at joint from 5 o'clock to 8 o'clock	00:00:06		2
	0.22	LU	Line deviates up	00:00:06		
	1.78	REM	General remark: Sewer levels out at this point	00:00:18		
	2.58	JN	Junction at 10 o'clock, diameter: 100mm	00:00:24		
	4.32	OCF	Finish node type, other special chamber, reference number: Downpipe	00:00:38		

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	2.3	10.0	2.0	0	0.0	0.0	0.0	1.0

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
17	Upstream			DIUK-1021



, 00:00:06, 0.22 m
 Crack, circumferential at joint from 5 o'clock to 8 o'clock



, 00:00:24, 2.58 m
 Junction at 10 o'clock, diameter: 100mm

Section Inspection - 14/05/2018

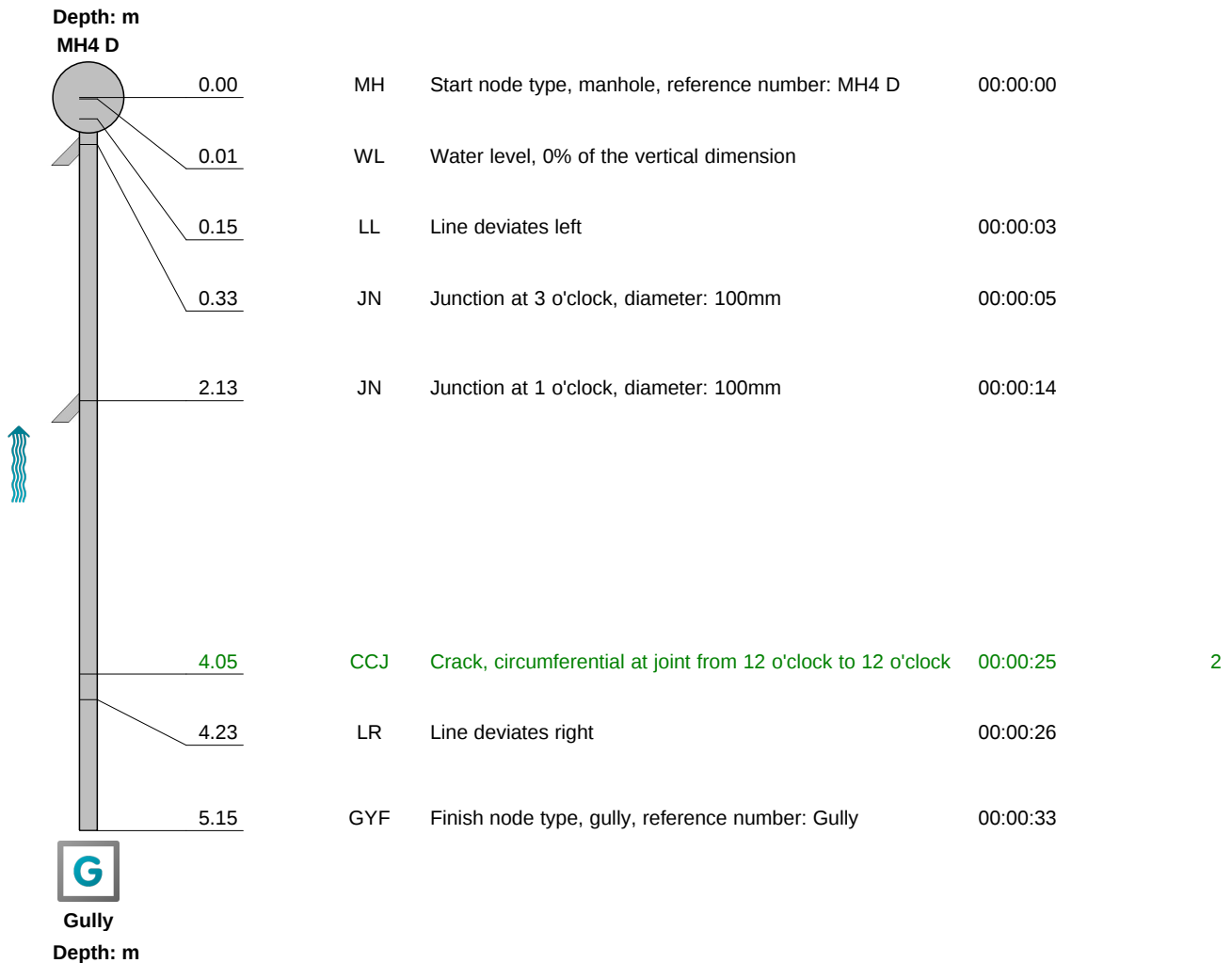
Section 18	Inspection 19	Date 14/05/18	Time 11:11	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	GULLY
Road:	St. Mary'S Gate	Inspected Length:	5.15 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	5.15 m	Downstream Node:	MH4 D
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

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



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	1.9	10.0	2.0	0	0.0	0.0	0.0	1.0

Section Pictures - 14/05/2018

Section 18	Inspection Direction Upstream	PLR	Client's Job Ref	Contractor's Job Ref
				DIUK-1021



, 00:00:05, 0.33 m
 Junction at 3 o'clock, diameter: 100mm



, 00:00:14, 2.13 m
 Junction at 1 o'clock, diameter: 100mm



, 00:00:25, 4.05 m
 Crack, circumferential at joint from 12 o'clock to 12 o'clock

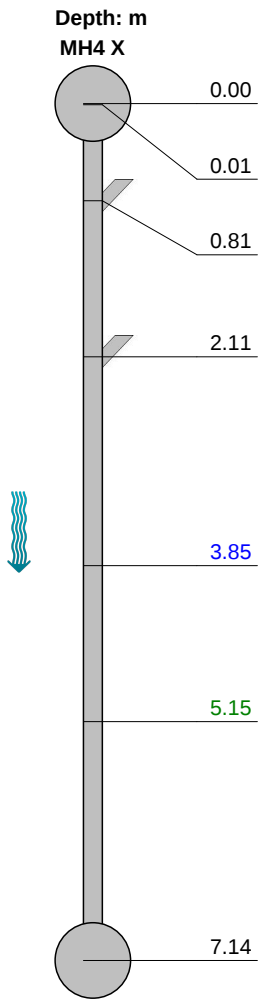
Section Inspection - 14/05/2018

Section 19	Inspection 20	Date 14/05/18	Time 11:19	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Downstream	Upstream Node:	MH4 X
Road:	St. Mary'S Gate	Inspected Length:	7.14 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	7.14 m	Downstream Node:	MH5 B
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Combined	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:63	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH4 X  MH5 B Depth: m						
	0.00	MH	Start node type, manhole, reference number: MH4 X	00:00:00		
	0.01	WL	Water level, 5% of the vertical dimension			
	0.81	JN	Junction at 9 o'clock, diameter: 100mm	00:00:08		
	2.11	JN	Junction at 10 o'clock, diameter: 100mm	00:00:20		
	3.85	FL	Fracture, longitudinal at 6 o'clock	00:00:28		3
	5.15	CCJ	Crack, circumferential at joint from 11 o'clock to 2 o'clock	00:00:36		2
	7.14	MHF	Finish node type, manhole, reference number: MH5 B	00:00:47		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
2	40.0	7.0	50.0	3.0	0	0.0	0.0	0.0	1.0

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
19	Downstream			DIUK-1021



, 00:00:08, 0.81 m
 Junction at 9 o'clock, diameter: 100mm



, 00:00:20, 2.11 m
 Junction at 10 o'clock, diameter: 100mm



, 00:00:28, 3.85 m
 Fracture, longitudinal at 6 o'clock



, 00:00:36, 5.15 m
 Crack, circumferential at joint from 11 o'clock to 2 o'clock

Section Pictures - 14/05/2018

Section 19	Inspection Direction Downstream	PLR	Client's Job Ref	Contractor's Job Ref DIUK-1021
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, 00:00:47, 7.14 m
 Finish node type, manhole, reference number: MH5 B

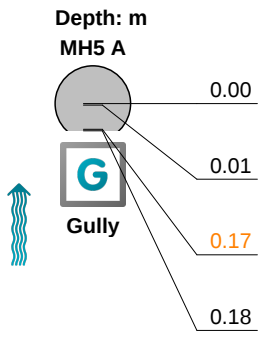
Section Inspection - 14/05/2018

Section	Inspection	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
20	22	14/05/18	11:29		No Rain Or Snow	No	
Operator		Vehicle		Camera	Preset Length	Criticality Grade	Alternative ID
P K		EY67 OJW		Mini-Cam Solopro+			

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	GULLY
Road:	St. Mary'S Gate	Inspected Length:	0.18 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	0.18 m	Downstream Node:	MH5 A
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:		Lining Material:	None		

Comments:

Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
						
	0.00	MH	Start node type, manhole, reference number: MH5 A	00:00:00		
	0.01	WL	Water level, 0% of the vertical dimension			
	0.17	B	Broken pipe from 10 o'clock to 2 o'clock	00:00:06		4
	0.18	SA	Survey abandoned: Unable to pass broken pipe			

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	470.6	80.0	4.0	0	0.0	0.0	0.0	1.0

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
20	Upstream			DIUK-1021



, 00:00:06, 0.17 m
 Broken pipe from 10 o'clock to 2 o'clock

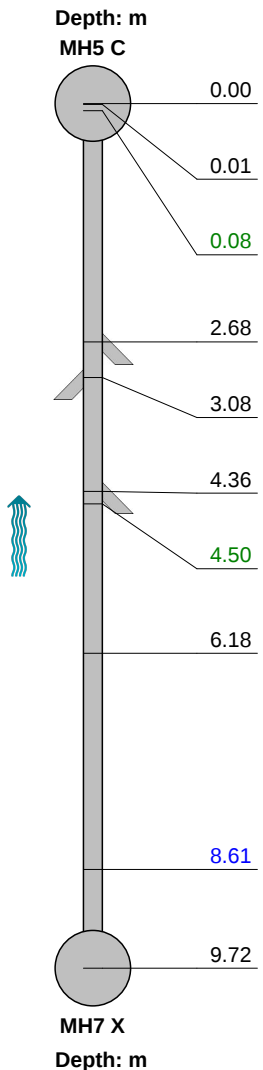
Section Inspection - 14/05/2018

Section	Inspection	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
21	23	14/05/18	11:36		No Rain Or Snow	No	
Operator		Vehicle		Camera	Preset Length	Criticality Grade	Alternative ID
P K		EY67 OJW		Mini-Cam Solopro+			

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	MH7 X
Road:	St. Mary'S Gate	Inspected Length:	9.72 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	9.72 m	Downstream Node:	MH5 C
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Combined	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:85	Position [m]	Code	Observation	MPEG	Photo	Grade
						
Depth: m						
MH5 C						
0.00	MH	Start node type, manhole, reference number: MH5 C	00:00:00			
0.01	WL	Water level, 5% of the vertical dimension				
0.08	CCJ	Crack, circumferential at joint from 7 o'clock to 1 o'clock	00:00:05			2
2.68	JN	Junction at 9 o'clock, diameter: 100mm	00:00:28			
3.08	JN	Junction at 1 o'clock, diameter: 100mm	00:00:39			
4.36	JN	Junction at 9 o'clock, diameter: 100mm	00:00:49			
4.50	DES	Settled deposits, fine, 5% cross-sectional area loss	00:00:51			2
6.18	GP	General photograph taken at this point	00:01:03			
8.61	CMJ	Cracks, multiple at joint from 11 o'clock to 4 o'clock	00:01:18			3
9.72	MHF	Finish node type, manhole, reference number: MH7 X	00:01:23			
MH7 X						
Depth: m						

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
2	40.0	5.1	50.0	3.0	1	1.0	0.1	1.0	2.0

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
21	Upstream			DIUK-1021



, 00:00:05, 0.08 m
 Crack, circumferential at joint from 7 o'clock to 1 o'clock



, 00:00:28, 2.68 m
 Junction at 9 o'clock, diameter: 100mm



, 00:00:39, 3.08 m
 Junction at 1 o'clock, diameter: 100mm



, 00:00:49, 4.36 m
 Junction at 9 o'clock, diameter: 100mm

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
21	Upstream			DIUK-1021



, 00:00:51, 4.50 m
 Settled deposits, fine, 5% cross-sectional area loss



, 00:01:03, 6.18 m
 General photograph taken at this point



, 00:01:18, 8.61 m
 Cracks, multiple at joint from 11 o'clock to 4 o'clock



, 00:01:23, 9.72 m
 Finish node type, manhole, reference number: MH7 X

Section Inspection - 14/05/2018

Section 22	Inspection 24	Date 14/05/18	Time 11:43	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Downstream	Upstream Node:	MH5 X
Road:	St. Mary'S Gate	Inspected Length:	11.19 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	11.19 m	Downstream Node:	MH6 UTL
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Combined	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:98 Position [m] Code Observation MPEG Photo Grade

Depth: m

MH5 X



0.00

MH

Start node type, manhole, reference number: MH5 X

00:00:00

0.01

WL

Water level, 5% of the vertical dimension

3.04

GP

General photograph taken at this point

00:00:17

9.41

CL

Crack, longitudinal at 12 o'clock

00:00:50

2

9.60

CCJ

Crack, circumferential at joint from 10 o'clock to 3 o'clock

00:00:53

2

11.19

MHF

Finish node type, manhole, reference number: MH6 UTL

00:01:07

MH6 UTL

Depth: m

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	1.8	20.0	2.0	0	0.0	0.0	0.0	1.0

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
22	Downstream			DIUK-1021



, 00:00:17, 3.04 m
 General photograph taken at this point



, 00:00:50, 9.41 m
 Crack, longitudinal at 12 o'clock



, 00:00:53, 9.60 m
 Crack, circumferential at joint from 10 o'clock to 3 o'clock



, 00:01:07, 11.19 m
 Finish node type, manhole, reference number: MH6 UTL

Section Inspection - 14/05/2018

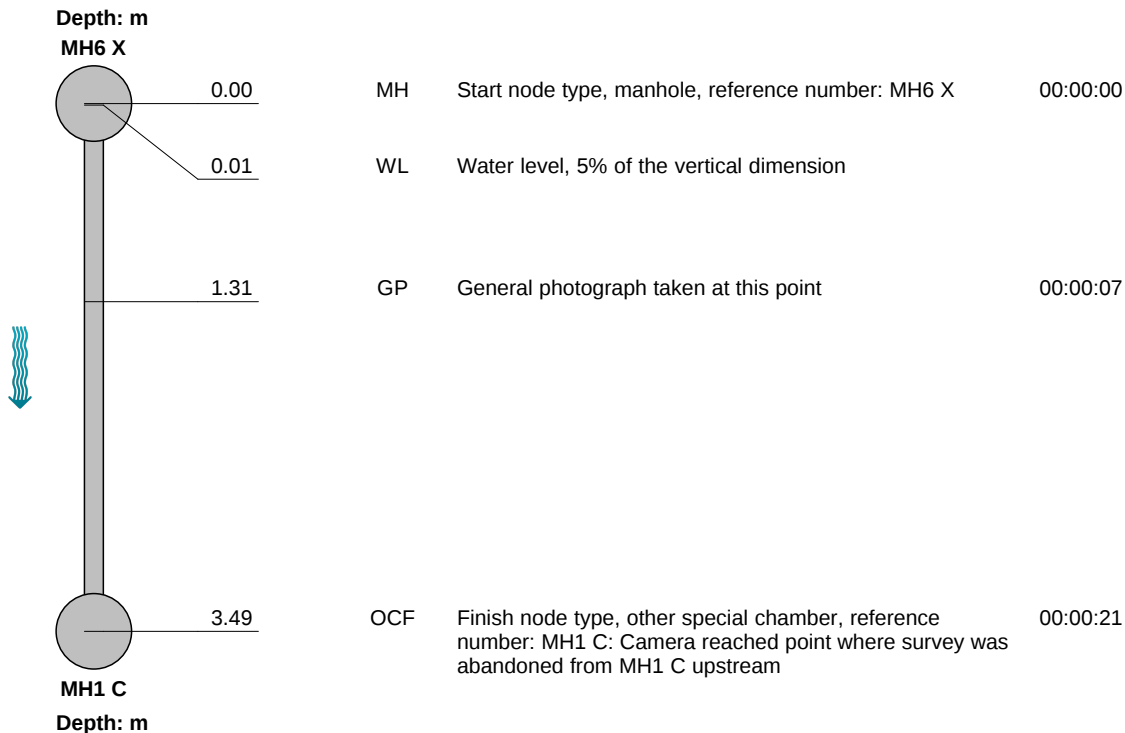
Section	Inspection	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
23	25	14/05/18	11:47		No Rain Or Snow	No	
Operator		Vehicle		Camera	Preset Length	Criticality Grade	Alternative ID
P K		EY67 OJW		Mini-Cam Solopro+			

Town or Village:	Derby	Inspection Direction:	Downstream	Upstream Node:	MH6 X
Road:	St. Mary'S Gate	Inspected Length:	3.49 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	3.49 m	Downstream Node:	MH1 C
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Combined	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	225 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition		Lining Material:	None	

Comments:

Recommendations:

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



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 - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
23	Downstream			DIUK-1021



, 00:00:07, 1.31 m
 General photograph taken at this point

Section Inspection - 14/05/2018

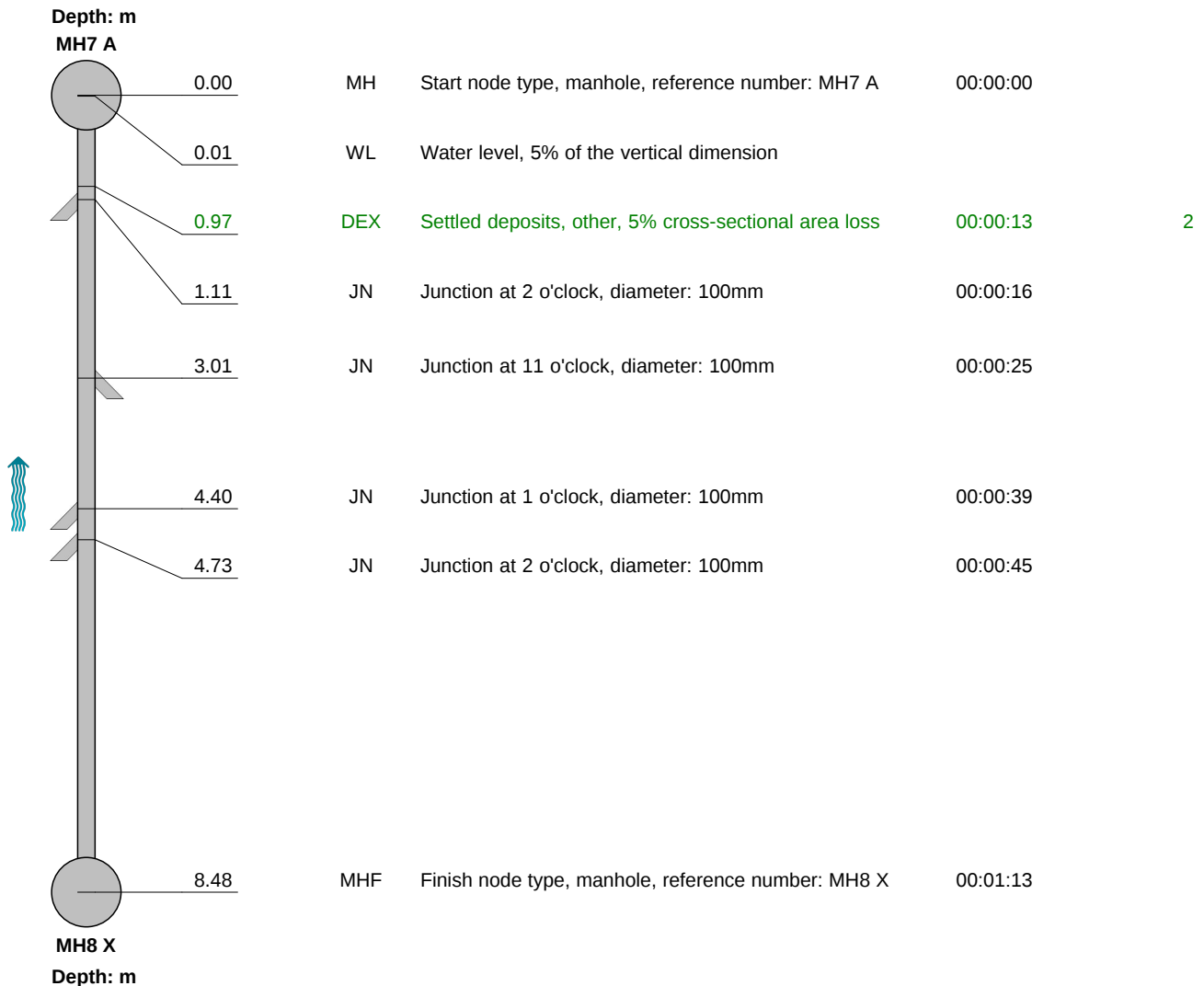
Section 24	Inspection 26	Date 14/05/18	Time 12:03	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	MH8 X
Road:	St. Mary'S Gate	Inspected Length:	8.48 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	8.48 m	Downstream Node:	MH7 A
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Combined	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:74 Position [m] Code Observation MPEG Photo Grade



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	1.0	0.1	1.0	2.0

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
24	Upstream			DIUK-1021



, 00:00:13, 0.97 m
 Settled deposits, other, 5% cross-sectional area loss



, 00:00:16, 1.11 m
 Junction at 2 o'clock, diameter: 100mm



, 00:00:25, 3.01 m
 Junction at 11 o'clock, diameter: 100mm



, 00:00:39, 4.40 m
 Junction at 1 o'clock, diameter: 100mm

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
24	Upstream			DIUK-1021



, 00:00:45, 4.73 m
 Junction at 2 o'clock, diameter: 100mm



, 00:01:13, 8.48 m
 Finish node type, manhole, reference number: MH8 X

Section Inspection - 14/05/2018

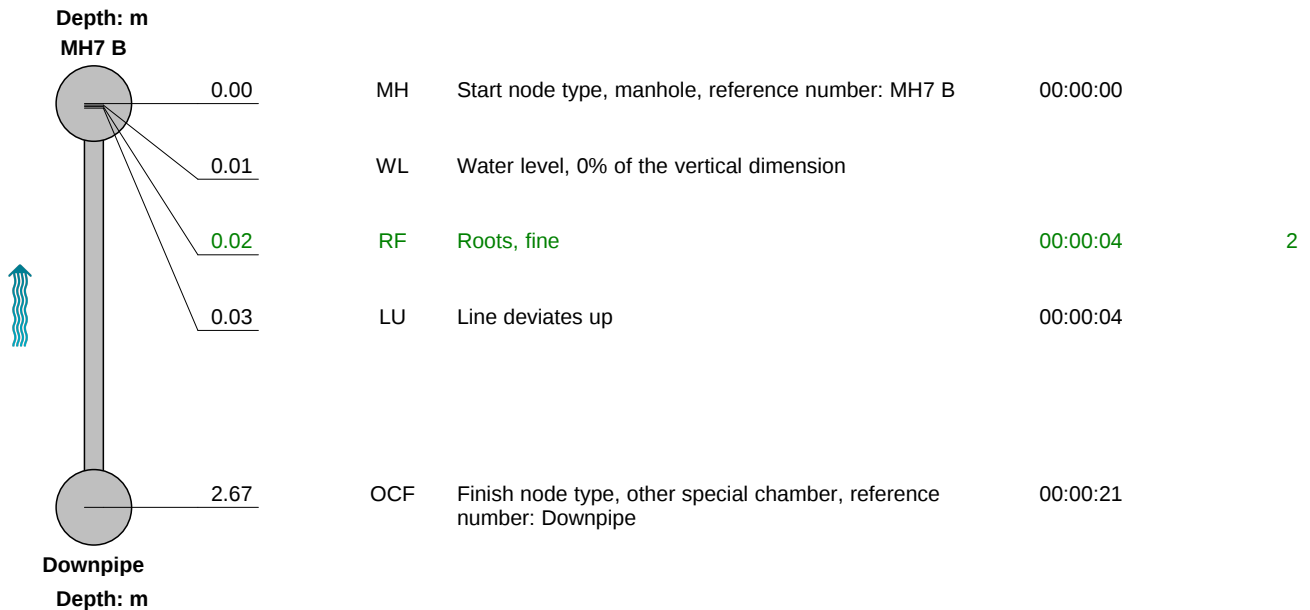
Section	Inspection	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
25	27	14/05/18	12:14		No Rain Or Snow	No	
Operator		Vehicle		Camera	Preset Length	Criticality Grade	Alternative ID
P K		EY67 OJW		Mini-Cam Solopro+			

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE
Road:	St. Mary'S Gate	Inspected Length:	2.67 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	2.67 m	Downstream Node:	MH7 B
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

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



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	1.0	0.4	1.0	2.0

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
25	Upstream			DIUK-1021



, 00:00:04, 0.02 m
 Roots, fine

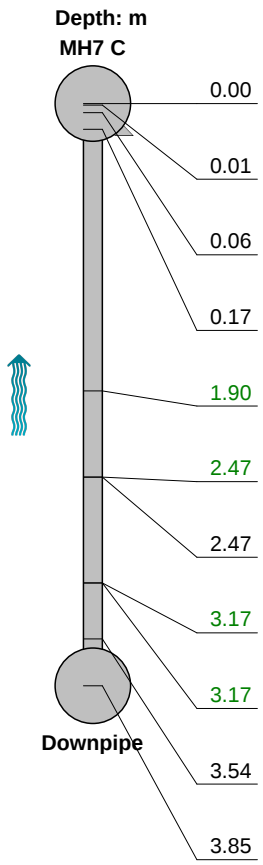
Section Inspection - 14/05/2018

Section 26	Inspection 28	Date 14/05/18	Time 12:18	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE
Road:	St. Mary'S Gate	Inspected Length:	3.85 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	3.85 m	Downstream Node:	MH7 C
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
						
	0.00	MH	Start node type, manhole, reference number: MH7 C	00:00:00		
	0.01	WL	Water level, 0% of the vertical dimension			
	0.06	JN	Junction at 9 o'clock, diameter: 100mm	00:00:04		
	0.17	LU	Line deviates up	00:00:08		
	1.90	CCJ	Crack, circumferential at joint from 3 o'clock to 9 o'clock	00:00:18		2
	2.47	RFJ	Roots, fine at joint	00:00:22		2
	2.47	OJM	Open joint, medium	00:00:22		1
	3.17	RFJ	Roots, fine at joint	00:00:27		2
	3.17	CCJ	Crack, circumferential at joint from 1 o'clock to 9 o'clock	00:00:27		2
	3.54	LR	Line deviates right	00:00:30		
	3.85	OCF	Finish node type, other special chamber, reference number: Downpipe	00:00:33		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
3	10.0	5.5	21.0	2.0	2	1.0	0.5	2.0	2.0

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
26	Upstream			DIUK-1021



, 00:00:04, 0.06 m
 Junction at 9 o'clock, diameter: 100mm



, 00:00:18, 1.90 m
 Crack, circumferential at joint from 3 o'clock to 9 o'clock



, 00:00:18, 1.90 m
 Crack, circumferential at joint from 3 o'clock to 9 o'clock



, 00:00:22, 2.47 m
 Roots, fine at joint

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
26	Upstream			DIUK-1021



, 00:00:22, 2.47 m
 Open joint, medium



, 00:00:27, 3.17 m
 Roots, fine at joint



, 00:00:27, 3.17 m
 Crack, circumferential at joint from 1 o'clock to 9 o'clock

Section Inspection - 14/05/2018

Section	Inspection	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
27	30	14/05/18	12:28		No Rain Or Snow	No	
Operator		Vehicle		Camera	Preset Length	Criticality Grade	Alternative ID
P K		EY67 OJW		Mini-Cam Solopro+			

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	UNKNOWN
Road:	St. Mary'S Gate	Inspected Length:	4.82 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	4.82 m	Downstream Node:	MH7 D
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Combined	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

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



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	16.6	80.0	4.0	2	8.0	2.1	10.0	4.0

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
27	Upstream			DIUK-1021



, 00:00:13, 1.06 m
 Fracture, multiple at joint from 12 o'clock to 12 o'clock



, 00:00:20, 1.86 m
 General photograph taken at this point



, 00:00:29, 3.13 m
 Settled deposits, coarse at joint, 10% cross-sectional area loss



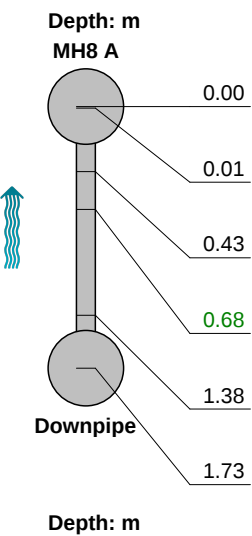
, 00:00:43, 4.82 m
 Settled deposits, coarse at joint, 75% cross-sectional area loss

Section Inspection - 14/05/2018

Section	Inspection	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
28	31	14/05/18	12:34		No Rain Or Snow	No	
Operator		Vehicle		Camera	Preset Length	Criticality Grade	Alternative ID
P K		EY67 OJW		Mini-Cam Solopro+			

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE
Road:	St. Mary'S Gate	Inspected Length:	1.73 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	1.73 m	Downstream Node:	MH8 A
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:
Recommendations:

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade																														
Depth: m MH8 A  <table><tr><td>MH</td><td>Start node type, manhole, reference number: MH8 A</td><td>00:00:00</td><td></td><td></td></tr><tr><td>WL</td><td>Water level, 5% of the vertical dimension</td><td></td><td></td><td></td></tr><tr><td>LU</td><td>Line deviates up</td><td>00:00:06</td><td></td><td></td></tr><tr><td>CCJ</td><td>Crack, circumferential at joint from 12 o'clock to 12 o'clock</td><td>00:00:08</td><td></td><td>2</td></tr><tr><td>LR</td><td>Line deviates right</td><td>00:00:13</td><td></td><td></td></tr><tr><td>OCF</td><td>Finish node type, other special chamber, reference number: Downpipe</td><td>00:00:17</td><td></td><td></td></tr></table>								MH	Start node type, manhole, reference number: MH8 A	00:00:00			WL	Water level, 5% of the vertical dimension				LU	Line deviates up	00:00:06			CCJ	Crack, circumferential at joint from 12 o'clock to 12 o'clock	00:00:08		2	LR	Line deviates right	00:00:13			OCF	Finish node type, other special chamber, reference number: Downpipe	00:00:17		
MH	Start node type, manhole, reference number: MH8 A	00:00:00																																			
WL	Water level, 5% of the vertical dimension																																				
LU	Line deviates up	00:00:06																																			
CCJ	Crack, circumferential at joint from 12 o'clock to 12 o'clock	00:00:08		2																																	
LR	Line deviates right	00:00:13																																			
OCF	Finish node type, other special chamber, reference number: Downpipe	00:00:17																																			
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	5.8	10.0	2.0	0	0.0	0.0	0.0	1.0																												

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
28	Upstream			DIUK-1021



, 00:00:08, 0.68 m
 Crack, circumferential at joint from 12 o'clock to 12 o'clock

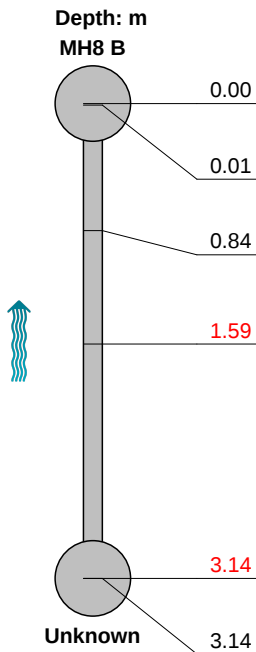
Section Inspection - 14/05/2018

Section 29	Inspection 32	Date 14/05/18	Time 12:41	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	UNKNOWN
Road:	St. Mary'S Gate	Inspected Length:	3.14 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	3.14 m	Downstream Node:	MH8 B
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
						
	0.00	MH	Start node type, manhole, reference number: MH8 B	00:00:00		
	0.01	WL	Water level, 0% of the vertical dimension			
	0.84	GP	General photograph taken at this point	00:00:10		
	1.59	OBM	Obstacles, pipe material in invert from 4 o'clock to 7 o'clock, 5% cross-sectional area loss	00:00:18		5
	3.14	OBZ	Other obstacles from 3 o'clock to 7 o'clock, 30% cross-sectional area loss	00:00:36		5
	3.14	SA	Survey abandoned: unable to pass obstacle	00:00:36		
	Unknown					

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	2	10.0	6.4	20.0	5.0

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
29	Upstream			DIUK-1021



, 00:00:10, 0.84 m
 General photograph taken at this point



, 00:00:18, 1.59 m
 Obstacles, pipe material in invert from 4 o'clock to 7 o'clock,
 5% cross-sectional area loss



, 00:00:36, 3.14 m
 Other obstacles from 3 o'clock to 7 o'clock, 30%
 cross-sectional area loss

Section Inspection - 14/05/2018

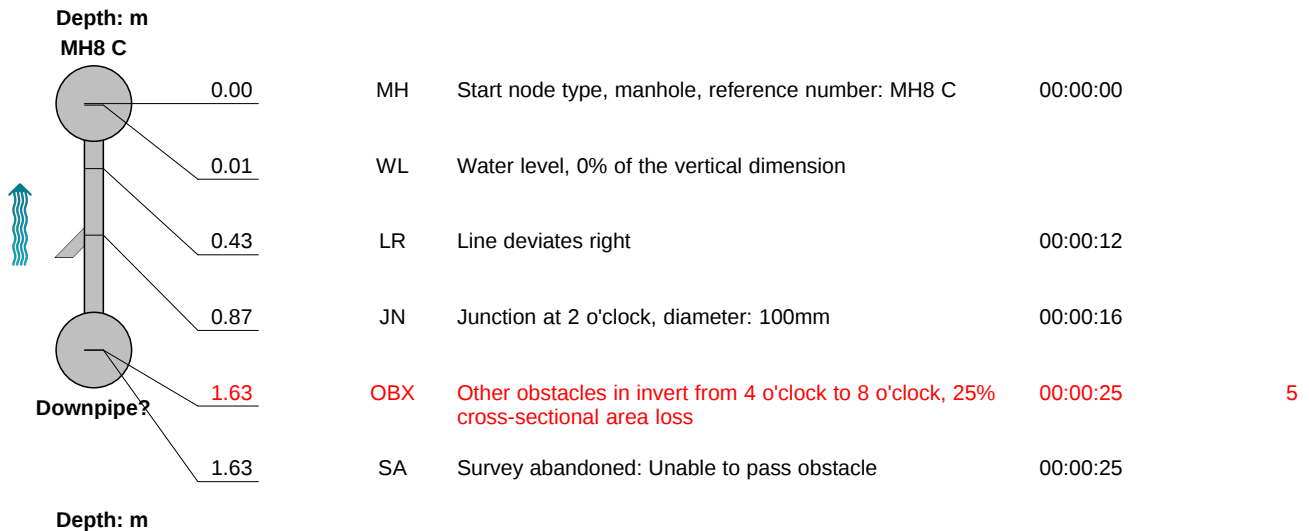
Section 30	Inspection 34	Date 14/05/18	Time 13:06	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE?
Road:	St. Mary'S Gate	Inspected Length:	1.63 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	1.63 m	Downstream Node:	MH8 C
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

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



STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	1	10.0	6.1	10.0	5.0

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
30	Upstream			DIUK-1021



, 00:00:16, 0.87 m
 Junction at 2 o'clock, diameter: 100mm



, 00:00:25, 1.63 m
 Other obstacles in invert from 4 o'clock to 8 o'clock, 25% cross-sectional area loss



, 00:00:25, 1.63 m
 Survey abandoned, Unable to pass obstacle

Section Inspection - 14/05/2018

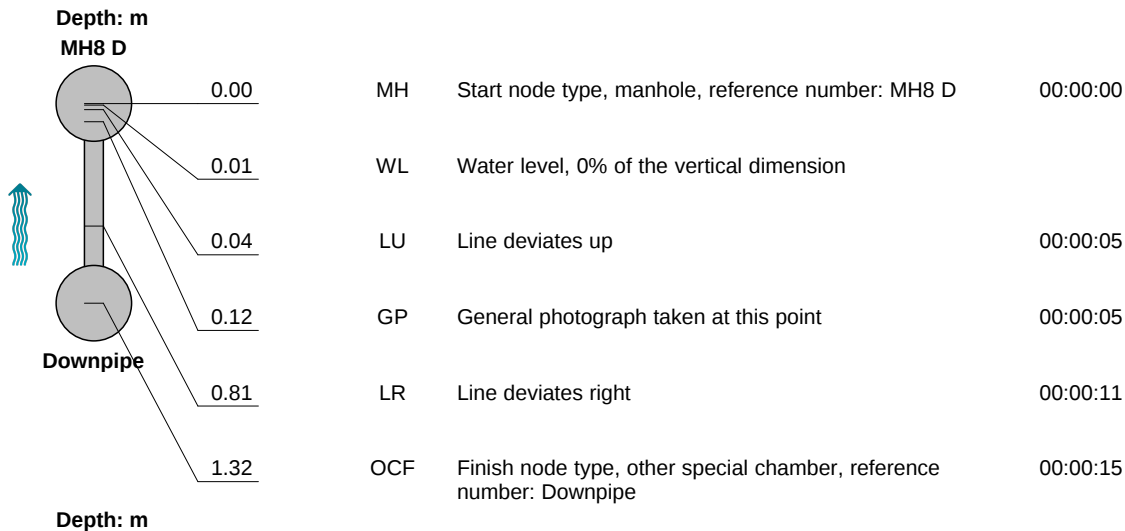
Section 31	Inspection 36	Date 14/05/18	Time 13:13	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE
Road:	St. Mary'S Gate	Inspected Length:	1.32 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	1.32 m	Downstream Node:	MH8 D
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

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



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 - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
31	Upstream			DIUK-1021



, 00:00:05, 0.12 m
 General photograph taken at this point

Section Inspection - 14/05/2018

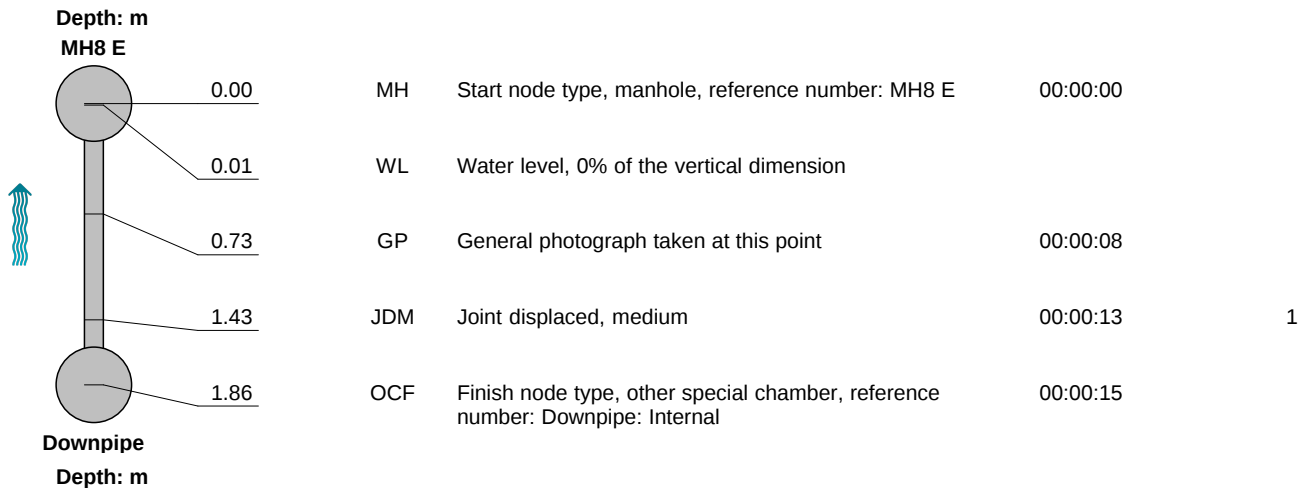
Section 32	Inspection 37	Date 14/05/18	Time 13:40	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE
Road:	St. Mary'S Gate	Inspected Length:	1.86 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	1.86 m	Downstream Node:	MH8 E
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

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



STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
1	1.0	0.5	1.0	1.0	0	0.0	0.0	0.0	1.0

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
32	Upstream			DIUK-1021



, 00:00:08, 0.73 m
 General photograph taken at this point



, 00:00:13, 1.43 m
 Joint displaced, medium

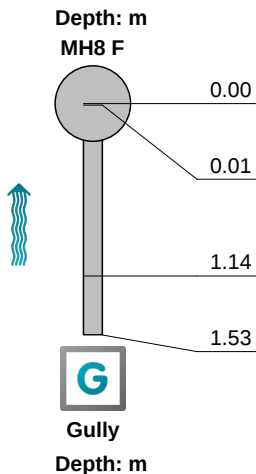
Section Inspection - 14/05/2018

Section 33	Inspection 38	Date 14/05/18	Time 13:43	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	GULLY
Road:	St. Mary'S Gate	Inspected Length:	1.53 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	1.53 m	Downstream Node:	MH8 F
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
						
	0.00	MH	Start node type, manhole, reference number: MH8 F	00:00:00		
	0.01	WL	Water level, 0% of the vertical dimension			
	1.14	LR	Line deviates right	00:00:14		
	1.53	GYF	Finish node type, gully, reference number: Gully	00:00:17		

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 - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
33	Upstream			DIUK-1021



, 00:00:17, 1.53 m
 Finish node type, gully, reference number: Gully

Section Inspection - 14/05/2018

Section 34	Inspection 39	Date 14/05/18	Time 13:49	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE
Road:	St. Mary'S Gate	Inspected Length:	8.68 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	8.68 m	Downstream Node:	MH9 A
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale:	1:76	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH9 A							

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
34	Upstream			DIUK-1021



, 00:00:08, 0.07 m
 Junction at 6 o'clock, diameter: 150mm, External back drop



, 00:00:10, 0.09 m
 Crack, circumferential at joint from 7 o'clock to 2 o'clock



, 00:00:28, 4.39 m
 General photograph taken at this point



, 00:00:38, 6.59 m
 Crack, circumferential from 12 o'clock to 12 o'clock

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
34	Upstream			DIUK-1021



, 00:00:44, 6.67 m
 Junction at 1 o'clock, diameter: 100mm



, 00:00:47, 6.67 m
 Joint displaced, medium



, 00:00:49, 6.95 m
 Junction at 12 o'clock, diameter: 100mm

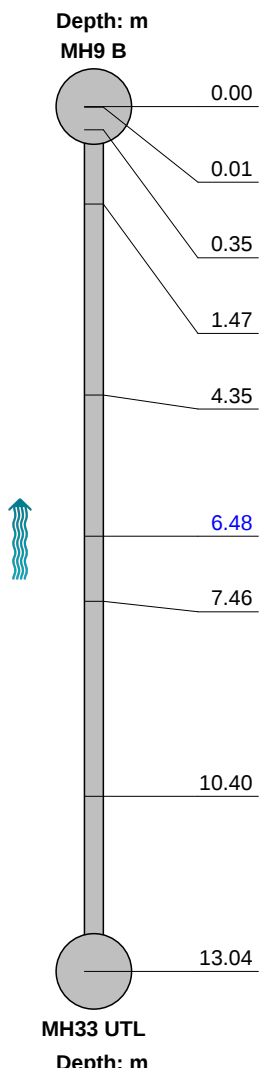
Section Inspection - 14/05/2018

Section 35	Inspection 40	Date 14/05/18	Time 14:04	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	MH33 UTL
Road:	St. Mary'S Gate	Inspected Length:	13.04 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	13.04 m	Downstream Node:	MH9 B
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Combined	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Year Constructed:		Pipe Material:	Cast iron		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:		Lining Material:	None		

Comments:

Recommendations:

Scale: 1:114	Position [m]	Code	Observation	MPEG	Photo	Grade			
Depth: m MH9 B  MH33 UTL Depth: m									
	0.00	MH	Start node type, manhole, reference number: MH9 B	00:00:00					
	0.01	WL	Water level, 5% of the vertical dimension						
	0.35	LR	Line deviates right	00:00:07					
	1.47	GP	General photograph taken at this point	00:00:11					
	4.35	GP	General photograph taken at this point	00:00:29					
	6.48	DEX	Settled deposits, other, 10% cross-sectional area loss	00:00:43		3			
	7.46	GP	General photograph taken at this point	00:01:08					
	10.40	GP	General photograph taken at this point	00:01:26					
	13.04	MHF	Finish node type, manhole, reference number: MH33 UTL	00:01:43					
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	1	2.0	0.2	2.0	3.0

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
35	Upstream			DIUK-1021



, 00:00:11, 1.47 m
 General photograph taken at this point



, 00:00:29, 4.35 m
 General photograph taken at this point



, 00:00:43, 6.48 m
 Settled deposits, other, 10% cross-sectional area loss



, 00:01:08, 7.46 m
 General photograph taken at this point

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
35	Upstream			DIUK-1021



, 00:01:26, 10.40 m
 General photograph taken at this point



, 00:01:43, 13.04 m
 Finish node type, manhole, reference number: MH33 UTL

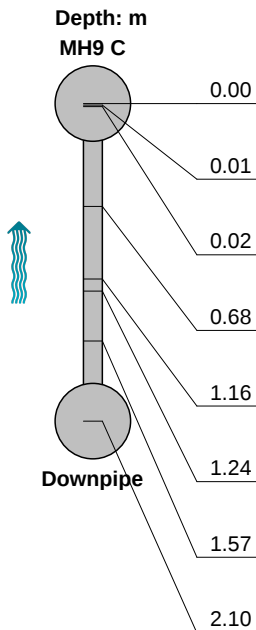
Section Inspection - 14/05/2018

Section 36	Inspection 41	Date 14/05/18	Time 14:11	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE
Road:	St. Mary'S Gate	Inspected Length:	2.10 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	2.10 m	Downstream Node:	MH9 C
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
						
	0.00	MH	Start node type, manhole, reference number: MH9 C	00:00:00		
	0.01	WL	Water level, 0% of the vertical dimension			
	0.02	LU	Line deviates up	00:00:04		
	0.68	JDM	Joint displaced, medium	00:00:09		1
	1.16	JDM	Joint displaced, medium	00:00:11		1
	1.24	JDM	Joint displaced, medium	00:00:14		1
	1.57	LU	Line deviates up	00:00:17		
	2.10	OCF	Finish node type, other special chamber, reference number: Downpipe	00:00:18		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
3	2.0	1.4	3.0	1.0	0	0.0	0.0	0.0	1.0

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
36	Upstream			DIUK-1021



, 00:00:09, 0.68 m
 Joint displaced, medium



, 00:00:11, 1.16 m
 Joint displaced, medium



, 00:00:14, 1.24 m
 Joint displaced, medium



Section Inspection - 14/05/2018

Section 37	Inspection 42	Date 14/05/18	Time 14:15	Client`s Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Downstream	Upstream Node:	MH9 X
Road:	St. Mary'S Gate	Inspected Length:	11.59 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	11.59 m	Downstream Node:	MH10 A
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Combined	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	225 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Recommendations:

Scale: 1:101	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH9 X						

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	0.9	10.0	2.0	0	0.0	0.0	0.0	1.0

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
37	Downstream			DIUK-1021



, 00:00:13, 1.98 m
 General photograph taken at this point



, 00:00:32, 6.76 m
 General photograph taken at this point



, 00:00:57, 10.21 m
 Crack, circumferential at joint from 12 o'clock to 9 o'clock



, 00:01:05, 11.59 m
 Finish node type, manhole, reference number: MH10 A

Section Inspection - 14/05/2018

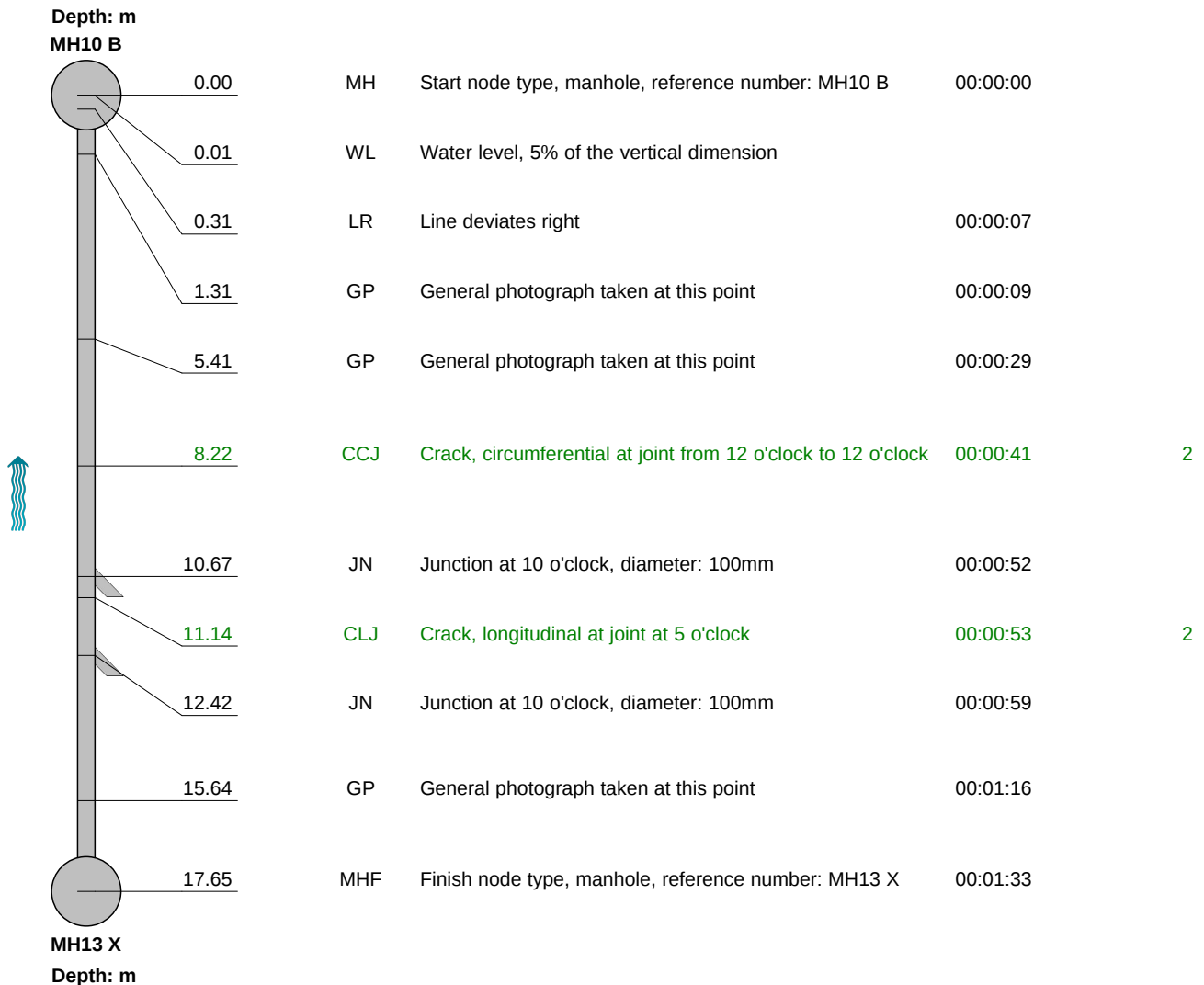
Section 38	Inspection 43	Date 14/05/18	Time 14:25	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	MH13 X
Road:	St. Mary'S Gate	Inspected Length:	17.65 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	17.65 m	Downstream Node:	MH10 B
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Combined	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:154 Position [m] Code Observation MPEG Photo Grade



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	1.1	20.0	2.0	0	0.0	0.0	0.0	1.0

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
38	Upstream			DIUK-1021



, 00:00:09, 1.31 m
 General photograph taken at this point



, 00:00:29, 5.41 m
 General photograph taken at this point



, 00:00:41, 8.22 m
 Crack, circumferential at joint from 12 o'clock to 12 o'clock



, 00:00:52, 10.67 m
 Junction at 10 o'clock, diameter: 100mm

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
38	Upstream			DIUK-1021



, 00:00:53, 11.14 m
 Crack, longitudinal at joint at 5 o'clock



, 00:00:59, 12.42 m
 Junction at 10 o'clock, diameter: 100mm



, 00:01:16, 15.64 m
 General photograph taken at this point



, 00:01:33, 17.65 m
 Finish node type, manhole, reference number: MH13 X

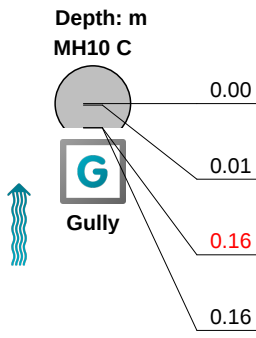
Section Inspection - 14/05/2018

Section	Inspection	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
39	44	14/05/18	14:36		No Rain Or Snow	No	
Operator		Vehicle		Camera	Preset Length	Criticality Grade	Alternative ID
P K		EY67 OJW		Mini-Cam Solopro+			

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	GULLY
Road:	St. Mary'S Gate	Inspected Length:	0.16 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	0.16 m	Downstream Node:	MH10 C
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
						
	0.00	MH	Start node type, manhole, reference number: MH10 C	00:00:00		
	0.01	WL	Water level, 0% of the vertical dimension			
	0.16	XP	Collapsed drain or sewer	00:00:20		5
	0.16	SA	Survey abandoned: Unable to pass collapsed pipe	00:00:20		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
1	165.0	1031.3	165.0	5.0	0	0.0	0.0	0.0	1.0

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
39	Upstream			DIUK-1021



, 00:00:20, 0.16 m
 Collapsed drain or sewer

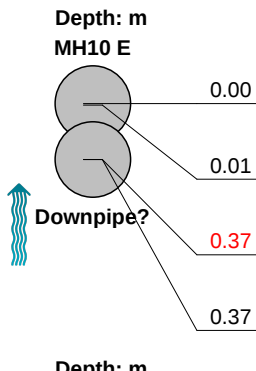
Section Inspection - 14/05/2018

Section 40	Inspection 45	Date 14/05/18	Time 14:41	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE?
Road:	St. Mary'S Gate	Inspected Length:	0.37 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	0.37 m	Downstream Node:	MH10 E
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
						
	0.00	MH	Start node type, manhole, reference number: MH10 E	00:00:00		
	0.01	WL	Water level, 0% of the vertical dimension			
	0.37	DES	Settled deposits, fine, 80% cross-sectional area loss	00:00:19		5
	0.37	SA	Survey abandoned: Unable to pass debris	00:00:19		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	1	10.0	27.0	10.0	5.0

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
40	Upstream			DIUK-1021



, 00:00:19, 0.37 m
 Settled deposits, fine, 80% cross-sectional area loss

Section Inspection - 14/05/2018

Section 41	Inspection 46	Date 14/05/18	Time 14:44	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle		Camera	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Downstream	Upstream Node:	MH10 X
Road:	St. Mary'S Gate	Inspected Length:	8.80 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	8.80 m	Downstream Node:	MH11 A
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	225 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:77 Position [m] Code Observation MPEG Photo Grade

Depth: m
MH10 X



0.00

MH

Start node type, manhole, reference number: MH10 X

00:00:00

0.01

WL

Water level, 5% of the vertical dimension

0.31

GP

General photograph taken at this point

00:00:05

6.43

GP

General photograph taken at this point

00:00:28

7.73

CCJ

Crack, circumferential at joint from 7 o'clock to 4 o'clock

00:00:34

2

8.80

MHF

Finish node type, manhole, reference number: MH11 A

00:00:38

MH11 A
Depth: m

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	1.1	10.0	2.0	0	0.0	0.0	0.0	1.0

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
41	Downstream			DIUK-1021



, 00:00:05, 0.31 m
 General photograph taken at this point



, 00:00:28, 6.43 m
 General photograph taken at this point



, 00:00:34, 7.73 m
 Crack, circumferential at joint from 7 o'clock to 4 o'clock



, 00:00:38, 8.80 m
 Finish node type, manhole, reference number: MH11 A

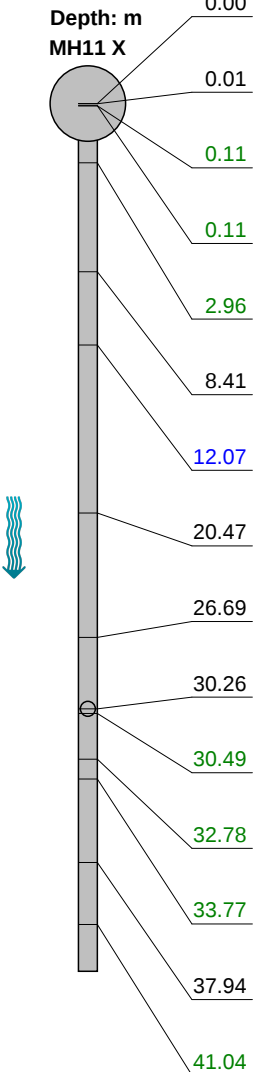
Section Inspection - 14/05/2018

Section	Inspection	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
42	47	14/05/18	14:48		No Rain Or Snow	No	
Operator		Vehicle		Camera	Preset Length	Criticality Grade	Alternative ID
P K		EY67 OJW		Mini-Cam Solopro+			

Town or Village:	Derby	Inspection Direction:	Downstream	Upstream Node:	MH11 X
Road:	St. Mary'S Gate	Inspected Length:	53.40 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	53.40 m	Downstream Node:	MH6 UTL
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Combined	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	225 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:378	Position [m]	Code	Observation	MPEG	Photo	Grade
	0.00	MH	Start node type, manhole, reference number: MH11 X	00:00:00		
	0.01	WL	Water level, 5% of the vertical dimension			
	0.11	CCJ	Crack, circumferential at joint from 9 o'clock to 1 o'clock	00:00:09		2
	0.11	CLJ	Crack, longitudinal at joint at 12 o'clock	00:00:09		2
	2.96	DEZJ	Attached deposits, other at joint from 4 o'clock to 8 o'clock, 5% cross-sectional area loss	00:00:17		2
	8.41	GP	General photograph taken at this point	00:00:36		
	12.07	FCJ	Fracture, circumferential at joint from 7 o'clock to 10 o'clock	00:00:53		3
	20.47	GP	General photograph taken at this point	00:07:11		
	26.69	GP	General photograph taken at this point	00:06:50		
	30.26	JN	Junction at 12 o'clock, diameter: 150mm	00:06:16		
	30.49	CCJ	Crack, circumferential at joint from 12 o'clock to 12 o'clock	00:06:25		2
	32.78	CCJ	Crack, circumferential at joint from 7 o'clock to 4 o'clock	00:06:04		2
	33.77	CCJ	Crack, circumferential at joint from 7 o'clock to 10 o'clock	00:05:59		2
	37.94	GP	General photograph taken at this point	00:05:41		
	41.04	CCJ	Crack, circumferential at joint from 8 o'clock to 11 o'clock	00:05:26		2



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Section Inspection - 14/05/2018

Section	Inspection	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
42	47	14/05/18	14:48		No Rain Or Snow	No	
Operator		Vehicle		Camera	Preset Length	Criticality Grade	Alternative ID
P K		EY67 OJW		Mini-Cam Solopro+			

Scale: 1:378	Position [m]	Code	Observation	MPEG	Photo	Grade
	45.72	JN	Junction at 1 o'clock, diameter: 100mm	00:05:07		
	51.09	GP	General photograph taken at this point	00:04:43		
	53.40	MHF	Finish node type, manhole, reference number: MH6 UTL	00:04:05		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
7	40.0	1.9	100.0	3.0	1	1.0	0.0	1.0	2.0

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
42	Downstream			DIUK-1021



, 00:00:09, 0.11 m
 Crack, circumferential at joint from 9 o'clock to 1 o'clock



, 00:00:09, 0.11 m
 Crack, longitudinal at joint at 12 o'clock



, 00:00:17, 2.96 m
 Attached deposits, other at joint from 4 o'clock to 8 o'clock,
 5% cross-sectional area loss



, 00:00:36, 8.41 m
 General photograph taken at this point

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
42	Downstream			DIUK-1021



, 00:00:53, 12.07 m
 Fracture, circumferential at joint from 7 o'clock to 10 o'clock



, 00:07:11, 20.47 m
 General photograph taken at this point



, 00:07:11, 20.47 m
 General photograph taken at this point



, 00:06:50, 26.69 m
 General photograph taken at this point

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
42	Downstream			DIUK-1021



, 00:06:16, 30.26 m
 Junction at 12 o'clock, diameter: 150mm



, 00:06:25, 30.49 m
 Crack, circumferential at joint from 12 o'clock to 12 o'clock



, 00:06:04, 32.78 m
 Crack, circumferential at joint from 7 o'clock to 4 o'clock



, 00:05:59, 33.77 m
 Crack, circumferential at joint from 7 o'clock to 10 o'clock

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
42	Downstream			DIUK-1021



, 00:05:41, 37.94 m
 General photograph taken at this point



, 00:05:26, 41.04 m
 Crack, circumferential at joint from 8 o'clock to 11 o'clock



, 00:05:07, 45.72 m
 Junction at 1 o'clock, diameter: 100mm



, 00:04:43, 51.09 m
 General photograph taken at this point

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
42	Downstream			DIUK-1021



, 00:04:05, 53.40 m
 Finish node type, manhole, reference number: MH6 UTL

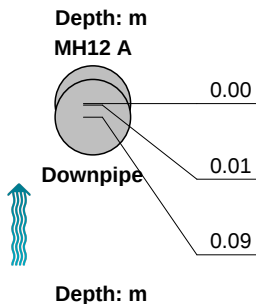
Section Inspection - 14/05/2018

Section 43	Inspection 48	Date 14/05/18	Time 15:28	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE
Road:	St. Mary'S Gate	Inspected Length:	0.09 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	0.09 m	Downstream Node:	MH12 A
Surface Type:	Asphalt Highway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
						
Depth: m						
MH12 A						
	0.00	MH	Start node type, manhole, reference number: MH12 A	00:00:00		
	0.01	WL	Water level, 0% of the vertical dimension			
Downpipe						
	0.09	OCF	Finish node type, other special chamber, reference number: Downpipe	00:00:09		
Depth: m						

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

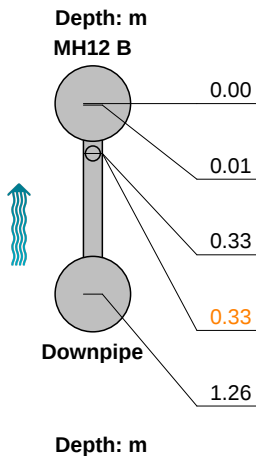
Section Inspection - 14/05/2018

Section 44	Inspection 49	Date 14/05/18	Time 15:30	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE
Road:	St. Mary'S Gate	Inspected Length:	1.26 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	1.26 m	Downstream Node:	MH12 B
Surface Type:	Asphalt Highway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
						
	0.00	MH	Start node type, manhole, reference number: MH12 B	00:00:00		
	0.01	WL	Water level, 0% of the vertical dimension			
	0.33	JN	Junction at 12 o'clock, diameter: 100mm	00:00:11		
	0.33	DES	Settled deposits, fine, 25% cross-sectional area loss	00:00:11		4
	1.26	OCF	Finish node type, other special chamber, reference number: Downpipe: Internal	00:00:20		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	1	5.0	4.0	5.0	4.0

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
44	Upstream			DIUK-1021



, 00:00:11, 0.33 m
 Junction at 12 o'clock, diameter: 100mm



, 00:00:11, 0.33 m
 Settled deposits, fine, 25% cross-sectional area loss



, 00:00:20, 1.26 m
 Finish node type, other special chamber, reference number:
 Downpipe, Internal

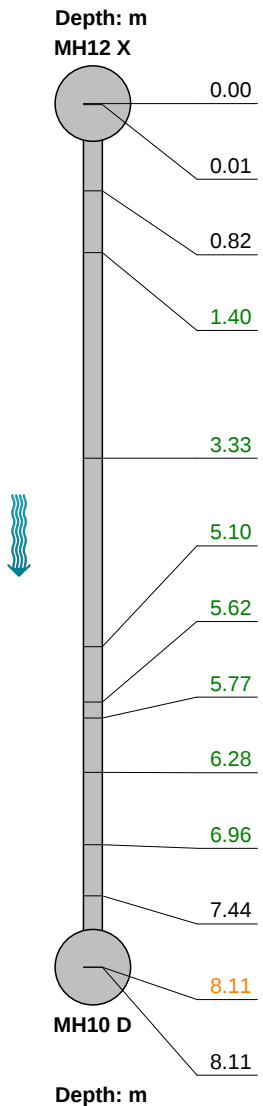
Section Inspection - 14/05/2018

Section 45	Inspection 50	Date 14/05/18	Time 15:35	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Downstream	Upstream Node:	MH12 X
Road:	St. Mary'S Gate	Inspected Length:	8.11 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	8.11 m	Downstream Node:	MH10 D
Surface Type:	Asphalt Highway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:71	Position [m]	Code	Observation	MPEG	Photo	Grade
						
Depth: m						
MH12 X						
0.00	MH	Start node type, manhole, reference number: MH12 X	00:00:00			
0.01	WL	Water level, 0% of the vertical dimension				
0.82	JDM	Joint displaced, medium	00:00:09			1
1.40	DEZJ	Attached deposits, other at joint from 12 o'clock to 12 o'clock, 5% cross-sectional area loss	00:00:14			2
3.33	DEZJ	Attached deposits, other at joint from 12 o'clock to 12 o'clock, 5% cross-sectional area loss	00:00:28			2
5.10	CCJ	Crack, circumferential at joint from 12 o'clock to 12 o'clock	00:00:40			2
5.62	DEZJ	Attached deposits, other at joint from 12 o'clock to 12 o'clock, 5% cross-sectional area loss	00:00:49			2
5.77	CCJ	Crack, circumferential at joint from 11 o'clock to 1 o'clock	00:01:04			2
6.28	CCJ	Crack, circumferential at joint from 12 o'clock to 12 o'clock	00:01:09			2
6.96	DEXJ	Settled deposits, other at joint, 5% cross-sectional area loss	00:01:20			2
7.44	LD	Line deviates down	00:01:27			
8.11	DES	Settled deposits, fine, 30% cross-sectional area loss	00:01:41			4
8.11	SA	Survey abandoned: Unable to pass debris	00:01:41			
Depth: m						
MH10 D						

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	3.8	31.0	2.0	5	5.0	1.1	9.0	4.0

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
45	Downstream			DIUK-1021



, 00:00:09, 0.82 m
 Joint displaced, medium



, 00:00:14, 1.40 m
 Attached deposits, other at joint from 12 o'clock to 12 o'clock,
 5% cross-sectional area loss



, 00:00:28, 3.33 m
 Attached deposits, other at joint from 12 o'clock to 12 o'clock,
 5% cross-sectional area loss



, 00:00:40, 5.10 m
 Crack, circumferential at joint from 12 o'clock to 12 o'clock

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
45	Downstream			DIUK-1021



, 00:00:49, 5.62 m
 Attached deposits, other at joint from 12 o'clock to 12 o'clock,
 5% cross-sectional area loss



, 00:01:04, 5.77 m
 Crack, circumferential at joint from 11 o'clock to 1 o'clock



, 00:01:09, 6.28 m
 Crack, circumferential at joint from 12 o'clock to 12 o'clock



, 00:01:20, 6.96 m
 Settled deposits, other at joint, 5% cross-sectional area loss

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
45	Downstream			DIUK-1021



, 00:01:41, 8.11 m
 Settled deposits, fine, 30% cross-sectional area loss

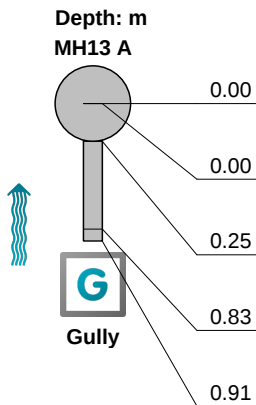
Section Inspection - 14/05/2018

Section 46	Inspection 51	Date 14/05/18	Time 16:02	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	GULLY
Road:	St. Mary'S Gate	Inspected Length:	0.91 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	0.91 m	Downstream Node:	MH13 A
Surface Type:	Asphalt Highway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

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: MH13 A	00:00:00		
	0.25	GP	General photograph taken at this point	00:00:09		
	0.83	JDM	Joint displaced, medium	00:00:13		1
	0.91	GYF	Finish node type, gully, reference number: Gully	00:00:17		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
1	1.0	1.1	1.0	1.0	0	0.0	0.0	0.0	1.0

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
46	Upstream			DIUK-1021



, 00:00:09, 0.25 m
 General photograph taken at this point



, 00:00:13, 0.83 m
 Joint displaced, medium

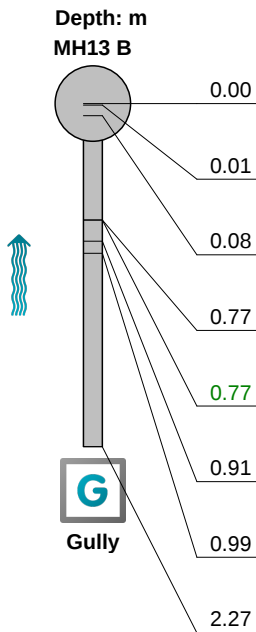
Section Inspection - 14/05/2018

Section 47	Inspection 52	Date 14/05/18	Time 16:05	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	GULLY
Road:	St. Mary'S Gate	Inspected Length:	2.27 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	2.27 m	Downstream Node:	MH13 B
Surface Type:	Asphalt Highway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
						
	0.00	MH	Start node type, manhole, reference number: MH13 B	00:00:00		
	0.01	WL	Water level, 5% of the vertical dimension			
	0.08	LR	Line deviates right	00:00:08		
	0.77	JDM	Joint displaced, medium	00:00:11		1
	0.77	CCJ	Crack, circumferential at joint from 1 o'clock to 6 o'clock	00:00:11		2
	0.91	LL	Line deviates left	00:00:13		
	0.99	JDM	Joint displaced, medium	00:00:13		1
	2.27	GYF	Finish node type, gully, reference number: Gully	00:00:21		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
3	11.0	5.3	12.0	2.0	0	0.0	0.0	0.0	1.0

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
47	Upstream			DIUK-1021



, 00:00:11, 0.77 m
 Joint displaced, medium



, 00:00:11, 0.77 m
 Crack, circumferential at joint from 1 o'clock to 6 o'clock



, 00:00:13, 0.99 m
 Joint displaced, medium



, 00:00:21, 2.27 m
 Finish node type, gully, reference number: Gully

Section Inspection - 14/05/2018

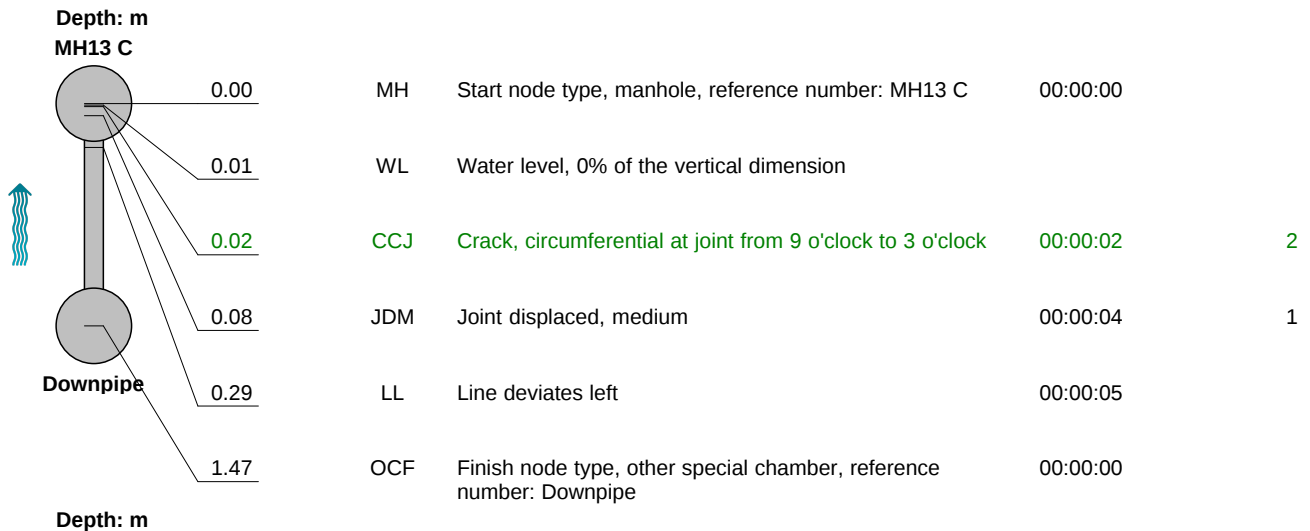
Section 48	Inspection 53	Date 14/05/18	Time 16:12	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE
Road:	St. Mary'S Gate	Inspected Length:	1.47 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	1.47 m	Downstream Node:	MH13 C
Surface Type:	Asphalt Highway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

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



STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
2	11.0	7.5	11.0	2.0	0	0.0	0.0	0.0	1.0

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
48	Upstream			DIUK-1021



, 00:00:02, 0.02 m
 Crack, circumferential at joint from 9 o'clock to 3 o'clock



, 00:00:04, 0.08 m
 Joint displaced, medium

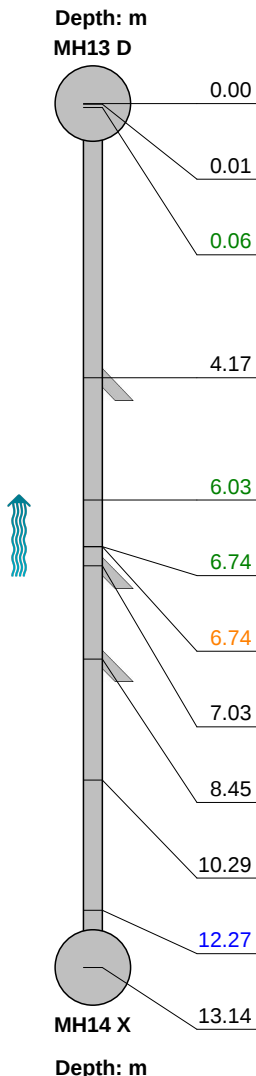
Section Inspection - 14/05/2018

Section 49	Inspection 54	Date 14/05/18	Time 16:17	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	MH14 X
Road:	St. Mary'S Gate	Inspected Length:	13.14 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	13.14 m	Downstream Node:	MH13 D
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:	150 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition		Lining Material:	None	

Comments:

Recommendations:

Scale: 1:115	Position [m]	Code	Observation	MPEG	Photo	Grade
						
	0.00	MH	Start node type, manhole, reference number: MH13 D	00:00:00		
	0.01	WL	Water level, 5% of the vertical dimension			
	0.06	CCJ	Crack, circumferential at joint from 1 o'clock to 5 o'clock	00:00:10		2
	4.17	JN	Junction at 10 o'clock, diameter: 100mm	00:00:29		
	6.03	RFJ	Roots, fine at joint	00:00:40		2
	6.74	CCJ	Crack, circumferential at joint from 1 o'clock to 4 o'clock	00:00:44		2
	6.74	RTJ	Roots, tap at joint	00:00:44		4
	7.03	JN	Junction at 10 o'clock, diameter: 100mm	00:00:47		
	8.45	JN	Junction at 9 o'clock, diameter: 100mm	00:01:01		
	10.29	GP	General photograph taken at this point	00:01:14		
	12.27	RM	Roots, mass, 5% cross-sectional area loss	00:01:24		3
	13.14	MHF	Finish node type, manhole, reference number: MH14 X	00:01:28		

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	1.5	20.0	2.0	3	5.0	0.6	8.0	4.0

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
49	Upstream			DIUK-1021



, 00:00:10, 0.06 m
 Crack, circumferential at joint from 1 o'clock to 5 o'clock



, 00:00:29, 4.17 m
 Junction at 10 o'clock, diameter: 100mm



, 00:00:40, 6.03 m
 Roots, fine at joint



, 00:00:44, 6.74 m
 Crack, circumferential at joint from 1 o'clock to 4 o'clock

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
49	Upstream			DIUK-1021



, 00:00:44, 6.74 m
 Roots, tap at joint



, 00:00:47, 7.03 m
 Junction at 10 o'clock, diameter: 100mm



, 00:01:01, 8.45 m
 Junction at 9 o'clock, diameter: 100mm



, 00:01:14, 10.29 m
 General photograph taken at this point

Section Pictures - 14/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
49	Upstream			DIUK-1021



, 00:01:24, 12.27 m
 Roots, mass, 5% cross-sectional area loss



, 00:01:28, 13.14 m
 Finish node type, manhole, reference number: MH14 X

Section Inspection - 15/05/2018

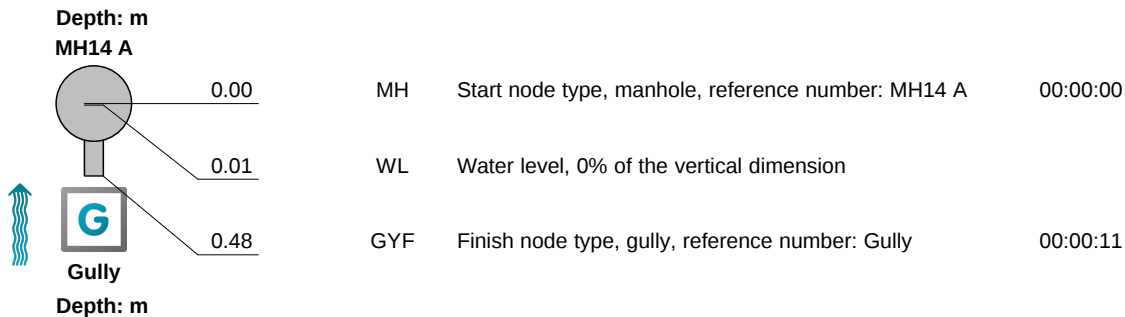
Section 50	Inspection 56	Date 15/05/18	Time 7:57	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	GULLY
Road:	St. Mary'S Gate	Inspected Length:	0.48 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	0.48 m	Downstream Node:	MH14 A
Surface Type:	Asphalt Highway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

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



STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Pictures - 15/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
50	Upstream			DIUK-1021



, 00:00:11, 0.48 m
 Finish node type, gully, reference number: Gully

Section Inspection - 15/05/2018

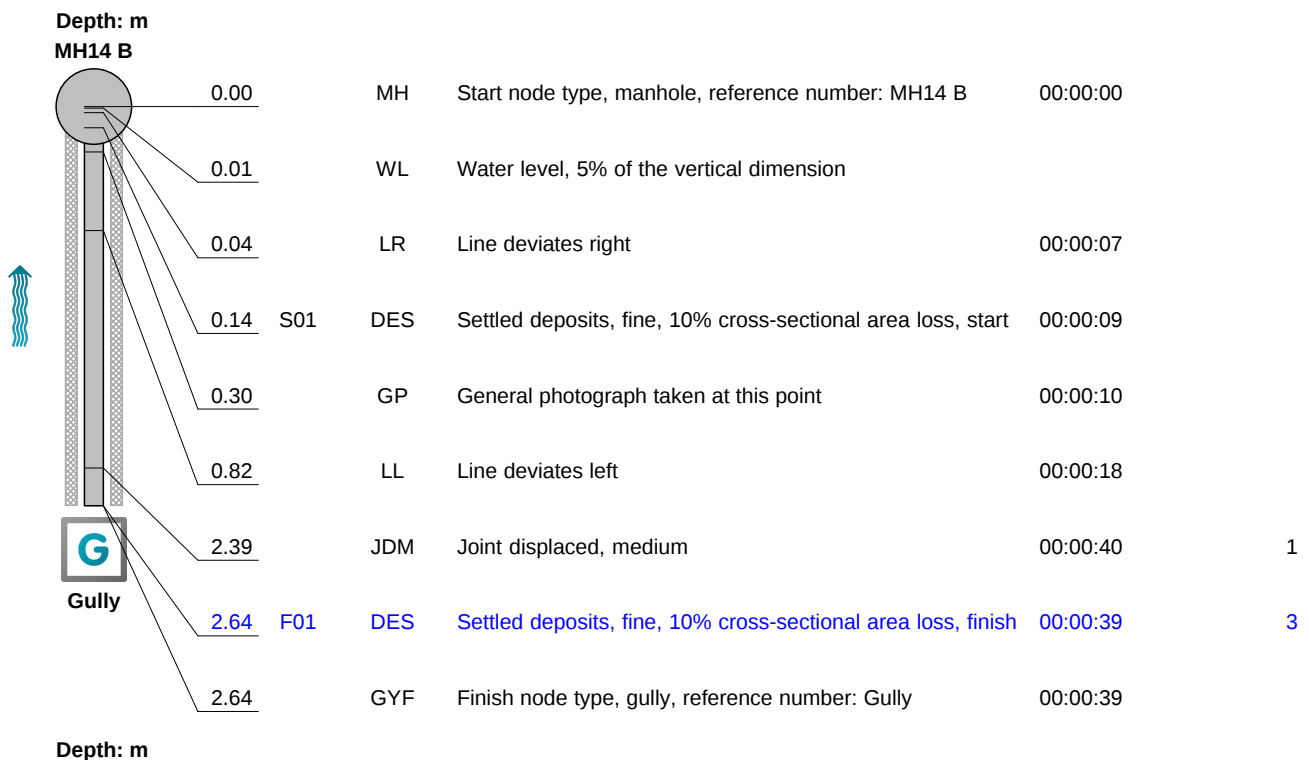
Section	Inspection	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
51	57	15/05/18	7:59		No Rain Or Snow	No	
Operator		Vehicle		Camera	Preset Length	Criticality Grade	Alternative ID
P K		EY67 OJW		Mini-Cam Solopro+			

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	GULLY
Road:	St. Mary'S Gate	Inspected Length:	2.64 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	2.64 m	Downstream Node:	MH14 B
Surface Type:	Asphalt Highway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

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



STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
1	1.0	0.4	1.0	1.0	1	2.0	0.8	2.0	3.0

Section Pictures - 15/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
51	Upstream			DIUK-1021



, 00:00:09, 0.14 m
 Settled deposits, fine, 10% cross-sectional area loss, start



, 00:00:10, 0.30 m
 General photograph taken at this point



, 00:00:40, 2.39 m
 Joint displaced, medium



, 00:00:39, 2.64 m
 Finish node type, gully, reference number: Gully

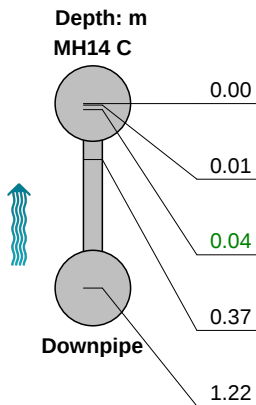
Section Inspection - 15/05/2018

Section 52	Inspection 58	Date 15/05/18	Time 8:06	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE
Road:	St. Mary'S Gate	Inspected Length:	1.22 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	1.22 m	Downstream Node:	MH14 C
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
						
	0.00	MH	Start node type, manhole, reference number: MH14 C	00:00:00		
	0.01	WL	Water level, 0% of the vertical dimension			
	0.04	CCJ	Crack, circumferential at joint from 12 o'clock to 6 o'clock	00:00:05		2
	0.37	LL	Line deviates left	00:00:08		
	1.22	OCF	Finish node type, other special chamber, reference number: Downpipe	00:00:16		

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	8.2	10.0	2.0	0	0.0	0.0	0.0	1.0

Section Pictures - 15/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
52	Upstream			DIUK-1021



, 00:00:05, 0.04 m
 Crack, circumferential at joint from 12 o'clock to 6 o'clock

Section Inspection - 15/05/2018

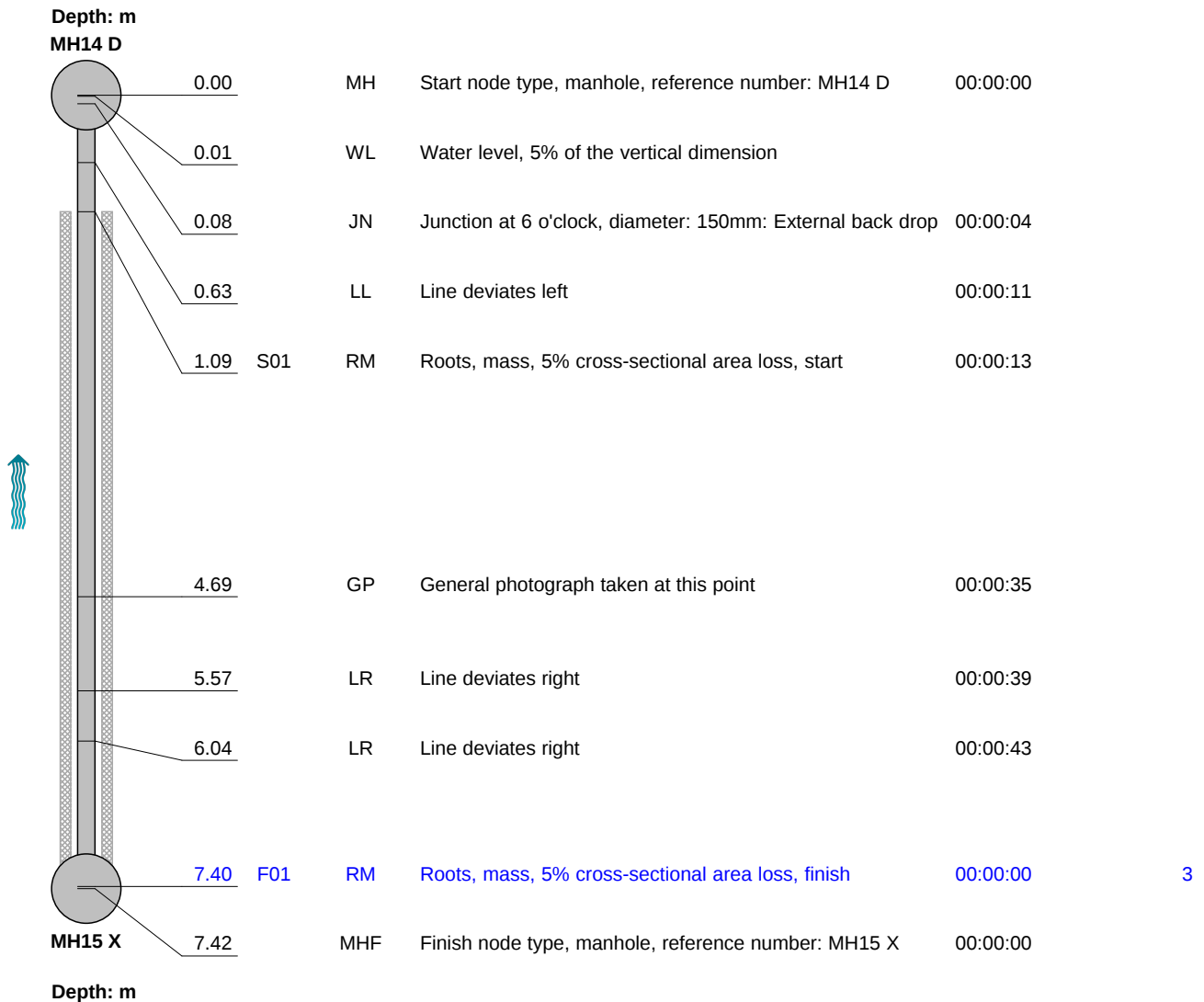
Section	Inspection	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
53	59	15/05/18	8:13		No Rain Or Snow	No	
Operator		Vehicle		Camera	Preset Length	Criticality Grade	Alternative ID
P K		EY67 OJW		Mini-Cam Solopro+			

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	MH15 X
Road:	St. Mary'S Gate	Inspected Length:	7.42 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	7.42 m	Downstream Node:	MH14 D
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Combined	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:65 Position [m] Code Observation MPEG Photo Grade



STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	1	2.0	0.3	2.0	3.0

Section Pictures - 15/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
53	Upstream			DIUK-1021



, 00:00:04, 0.08 m
 Junction at 6 o'clock, diameter: 150mm, External back drop



, 00:00:13, 1.09 m
 Roots, mass, 5% cross-sectional area loss, start



, 00:00:35, 4.69 m
 General photograph taken at this point



Section Inspection - 15/05/2018

Section 54	Inspection 61	Date 15/05/18	Time 8:30	Client`s Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE
Road:	St. Mary'S Gate	Inspected Length:	1.13 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	1.13 m	Downstream Node:	MH15 A
Surface Type:	Asphalt Highway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Recommendations:

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

Depth: m

MH15 A

0.00

MH

Start node type, manhole, reference number: MH15 A

00:00:00

0.01

WL

Water level, 0% of the vertical dimension

0.16

S01

RM

Roots, mass, 5% cross-sectional area loss, start

00:00:03

0.76

LU

Line deviates up

00:00:08

Downpipe

1.10

F01

RM

Roots, mass, 5% cross-sectional area loss, finish

00:00:11

3

1.13

OCF

Finish node type, other special chamber, reference number: Downpipe

00:00:11

Depth: m

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	1.8	2.0	3.0

Section Pictures - 15/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
54	Upstream			DIUK-1021



, 00:00:03, 0.16 m
 Roots, mass, 5% cross-sectional area loss, start

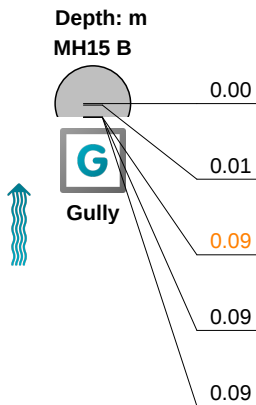
Section Inspection - 15/05/2018

Section	Inspection	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
55	62	15/05/18	8:34		No Rain Or Snow	No	
Operator		Vehicle		Camera	Preset Length	Criticality Grade	Alternative ID
P K		EY67 OJW		Mini-Cam Solopro+			

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	GULLY
Road:	St. Mary'S Gate	Inspected Length:	0.09 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	0.09 m	Downstream Node:	MH15 B
Surface Type:	Asphalt Highway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
						
	0.00	MH	Start node type, manhole, reference number: MH15 B	00:00:00		
	0.01	WL	Water level, 0% of the vertical dimension			
	0.09	FMJ	Fracture, multiple at joint from 12 o'clock to 12 o'clock	00:00:06		4
	0.09	LU	Line deviates up	00:00:06		
	0.09	SA	Survey abandoned: Unable to pass upward deviation	00:00:06		

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	888.9	80.0	4.0	0	0.0	0.0	0.0	1.0

Section Pictures - 15/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
55	Upstream			DIUK-1021



, 00:00:06, 0.09 m
 Fracture, multiple at joint from 12 o'clock to 12 o'clock

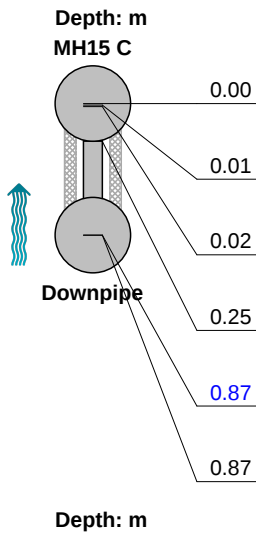
Section Inspection - 15/05/2018

Section 56	Inspection 63	Date 15/05/18	Time 8:41	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE
Road:	St. Mary'S Gate	Inspected Length:	0.87 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	0.87 m	Downstream Node:	MH15 C
Surface Type:	Asphalt Highway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
						
	0.00	MH	Start node type, manhole, reference number: MH15 C	00:00:00		
	0.01	WL	Water level, 0% of the vertical dimension			
	0.02	S01	RM	Roots, mass, 15% cross-sectional area loss, start	00:00:01	
	0.25	GP	General photograph taken at this point	00:00:05		
	0.87	F01	RM	Roots, mass, 15% cross-sectional area loss, finish	00:00:10	3
	0.87	SA	Survey abandoned: Unable to pass mass root ingress	00:00:10		

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	4.0	4.6	4.0	3.0

Section Pictures - 15/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
56	Upstream			DIUK-1021



, 00:00:01, 0.02 m
 Roots, mass, 15% cross-sectional area loss, start



, 00:00:05, 0.25 m
 General photograph taken at this point



, 00:00:10, 0.87 m
 Roots, mass, 15% cross-sectional area loss, finish

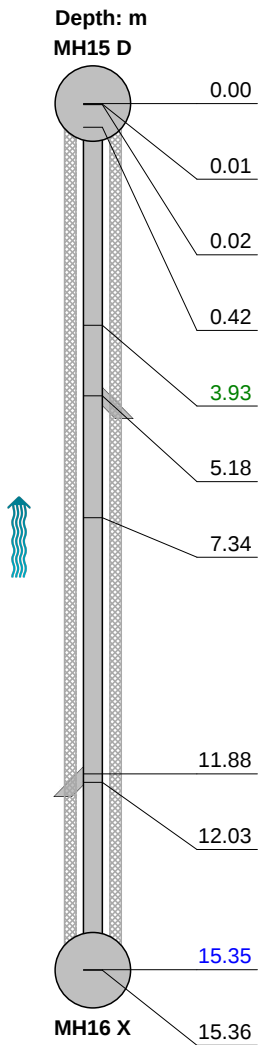
Section Inspection - 15/05/2018

Section 57	Inspection 64	Date 15/05/18	Time 8:49	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	MH16 X
Road:	St. Mary'S Gate	Inspected Length:	15.36 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	15.36 m	Downstream Node:	MH15 D
Surface Type:	Asphalt Highway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:134	Position [m]	Code	Observation	MPEG	Photo	Grade
						
Depth: m						
MH15 D						
0.00	MH		Start node type, manhole, reference number: MH15 D	00:00:00		
0.01	WL		Water level, 0% of the vertical dimension			
0.02	S01	RM	Roots, mass, 5% cross-sectional area loss, start	00:00:04		
0.42	GP		General photograph taken at this point	00:00:07		
3.93	CCJ		Crack, circumferential at joint from 11 o'clock to 6 o'clock	00:00:27		2
5.18	JN		Junction at 10 o'clock, diameter: 100mm	00:00:37		
7.34	GP		General photograph taken at this point	00:00:50		
11.88	JN		Junction at 2 o'clock, diameter: 100mm	00:01:45		
12.03	GP		General photograph taken at this point	00:01:39		
15.35	F01	RM	Roots, mass, 5% cross-sectional area loss, finish	00:01:25		3
MH16 X						
15.36	MHF		Finish node type, manhole, reference number: MH16 X	00:01:25		
Depth: m						

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	0.7	10.0	2.0	1	2.0	0.1	2.0	3.0

Section Pictures - 15/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
57	Upstream			DIUK-1021



, 00:00:04, 0.02 m
 Roots, mass, 5% cross-sectional area loss, start



, 00:00:07, 0.42 m
 General photograph taken at this point



, 00:00:27, 3.93 m
 Crack, circumferential at joint from 11 o'clock to 6 o'clock



, 00:00:37, 5.18 m
 Junction at 10 o'clock, diameter: 100mm

Section Pictures - 15/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
57	Upstream			DIUK-1021



, 00:00:50, 7.34 m
 General photograph taken at this point



, 00:01:45, 11.88 m
 Junction at 2 o'clock, diameter: 100mm



, 00:01:39, 12.03 m
 General photograph taken at this point



, 00:01:25, 15.36 m
 Finish node type, manhole, reference number: MH16 X

Section Inspection - 15/05/2018

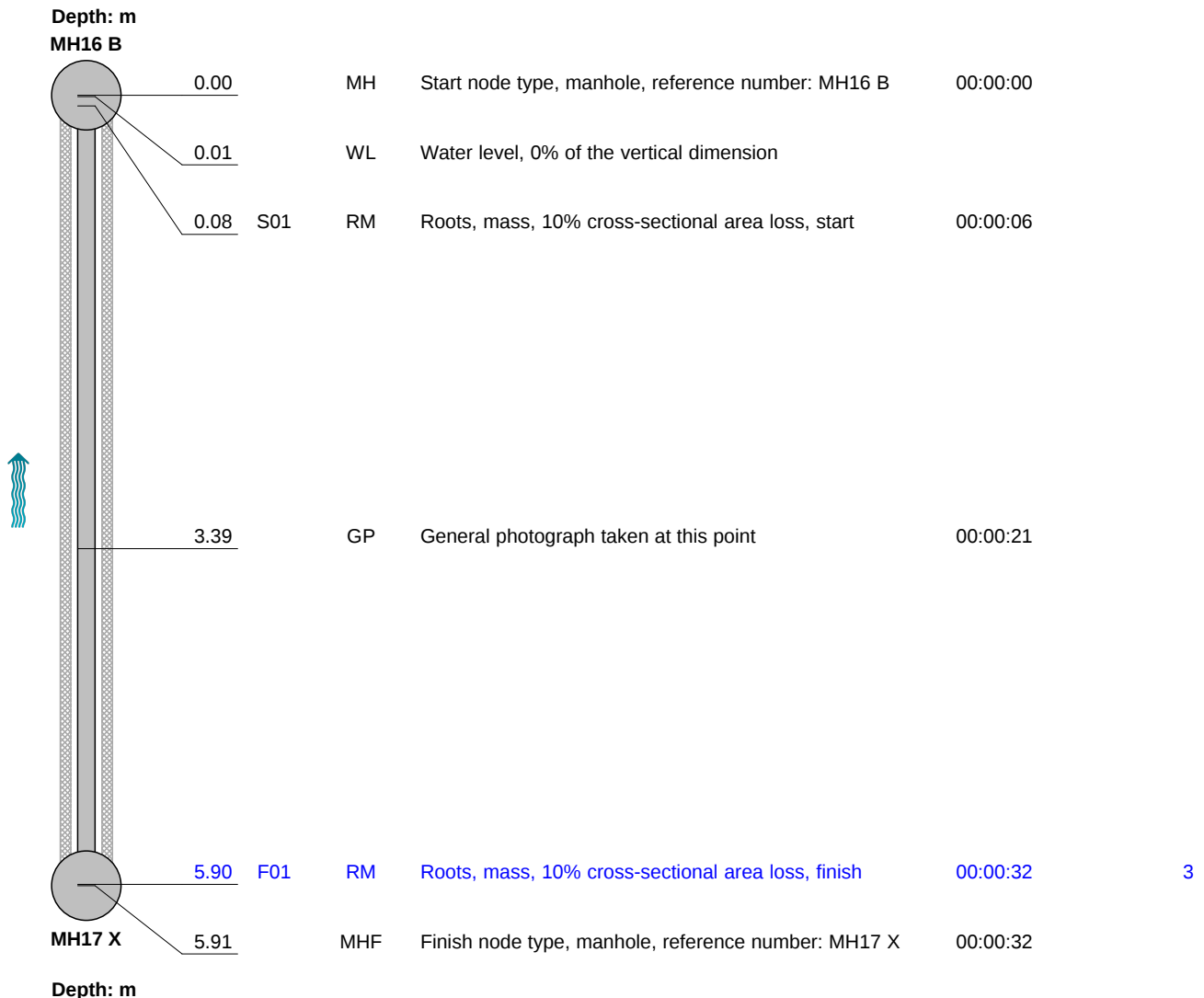
Section 58	Inspection 65	Date 15/05/18	Time 9:03	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	MH17 X
Road:	St. Mary'S Gate	Inspected Length:	5.91 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	5.91 m	Downstream Node:	MH16 B
Surface Type:	Asphalt Highway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:52 Position [m] Code Observation MPEG Photo Grade



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	4.0	0.7	4.0	3.0

Section Pictures - 15/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
58	Upstream			DIUK-1021



, 00:00:06, 0.08 m
 Roots, mass, 10% cross-sectional area loss, start



, 00:00:21, 3.39 m
 General photograph taken at this point



, 00:00:32, 5.91 m
 Finish node type, manhole, reference number: MH17 X

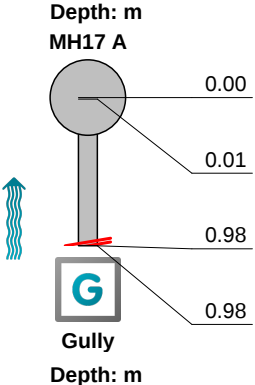
Section Inspection - 15/05/2018

Section 59	Inspection 66	Date 15/05/18	Time 9:09	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	GULLY
Road:	St. Mary'S Gate	Inspected Length:	0.98 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	0.98 m	Downstream Node:	MH17 A
Surface Type:	Asphalt Highway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
						
	0.00	MH	Start node type, manhole, reference number: MH17 A	00:00:00		
	0.01	WL	Water level, 0% of the vertical dimension			
	0.98	JDM	Joint displaced, medium	00:00:15		1
	0.98	SA	Survey abandoned: Unable to pass displaced joint	00:00:15		

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

Section Pictures - 15/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
59	Upstream			DIUK-1021



, 00:00:15, 0.98 m
 Joint displaced, medium

Section Inspection - 15/05/2018

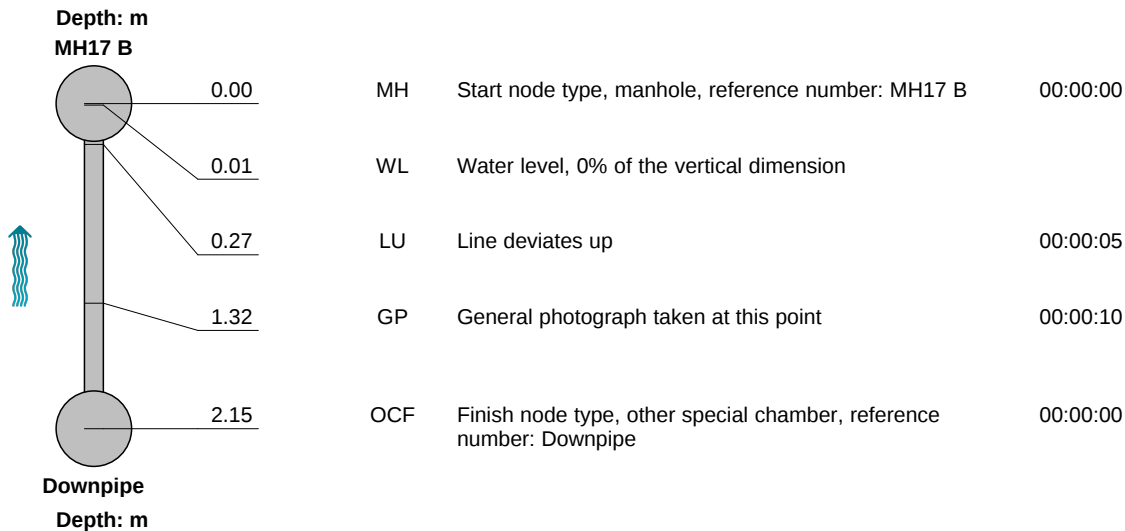
Section 60	Inspection 67	Date 15/05/18	Time 9:14	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE
Road:	St. Mary'S Gate	Inspected Length:	2.15 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	2.15 m	Downstream Node:	MH17 B
Surface Type:	Asphalt Highway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

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



STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Pictures - 15/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
60	Upstream			DIUK-1021



, 00:00:10, 1.32 m
 General photograph taken at this point

Section Inspection - 15/05/2018

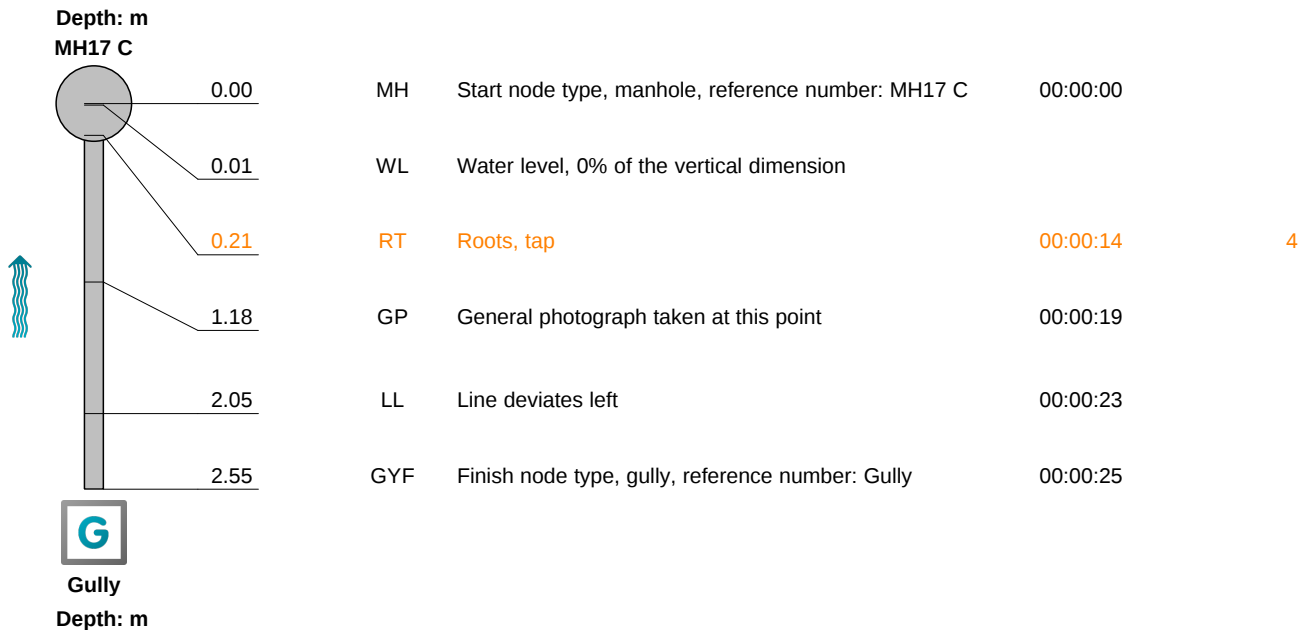
Section 61	Inspection 68	Date 15/05/18	Time 9:17	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	GULLY
Road:	St. Mary'S Gate	Inspected Length:	2.55 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	2.55 m	Downstream Node:	MH17 C
Surface Type:	Asphalt Highway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

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



STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	1	5.0	2.0	5.0	4.0

Section Pictures - 15/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
61	Upstream			DIUK-1021



, 00:00:14, 0.21 m
 Roots, tap



, 00:00:19, 1.18 m
 General photograph taken at this point

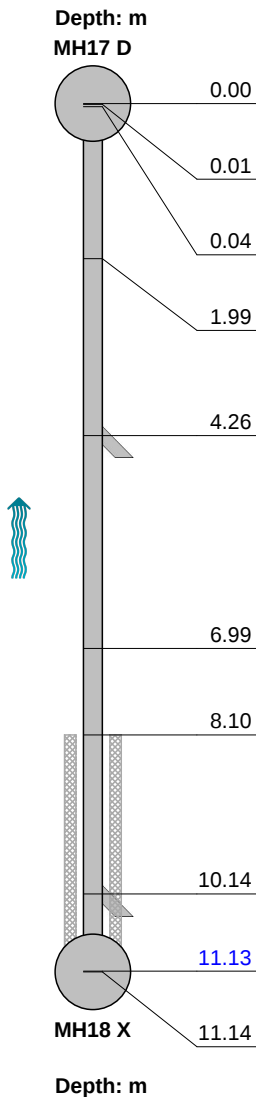
Section Inspection - 15/05/2018

Section 62	Inspection 69	Date 15/05/18	Time 9:23	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	MH18 X
Road:	St. Mary'S Gate	Inspected Length:	11.14 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	11.14 m	Downstream Node:	MH17 D
Surface Type:	Asphalt Highway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:97	Position [m]	Code	Observation	MPEG	Photo	Grade
						
Depth: m						
MH17 D						
0.00		MH	Start node type, manhole, reference number: MH17 D	00:00:00		
0.01		WL	Water level, 5% of the vertical dimension			
0.04		SC	Size changes, new size(s), 100mm high	00:00:05		
1.99		GP	General photograph taken at this point	00:00:11		
4.26		JN	Junction at 10 o'clock, diameter: 100mm	00:00:26		
6.99		GP	General photograph taken at this point	00:00:47		
8.10	S01	RM	Roots, mass, 5% cross-sectional area loss, start	00:00:55		
10.14		JN	Junction at 10 o'clock, diameter: 100mm	00:01:09		
11.13	F01	RM	Roots, mass, 5% cross-sectional area loss, finish	00:01:30		3
MH18 X						
11.14		SA	Survey abandoned: Unable to pass mass root ingress	00:01:30		
Depth: m						

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	1	2.0	0.2	2.0	3.0

Section Pictures - 15/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
62	Upstream			DIUK-1021



, 00:00:05, 0.04 m
 Size changes, new size(s), 100mm high



, 00:00:11, 1.99 m
 General photograph taken at this point



, 00:00:26, 4.26 m
 Junction at 10 o'clock, diameter: 100mm



, 00:00:47, 6.99 m
 General photograph taken at this point

Section Pictures - 15/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
62	Upstream			DIUK-1021



, 00:00:55, 8.10 m
 Roots, mass, 5% cross-sectional area loss, start



, 00:01:09, 10.14 m
 Junction at 10 o'clock, diameter: 100mm



, 00:01:30, 11.14 m
 Survey abandoned, Unable to pass mass root ingress

Section Inspection - 15/05/2018

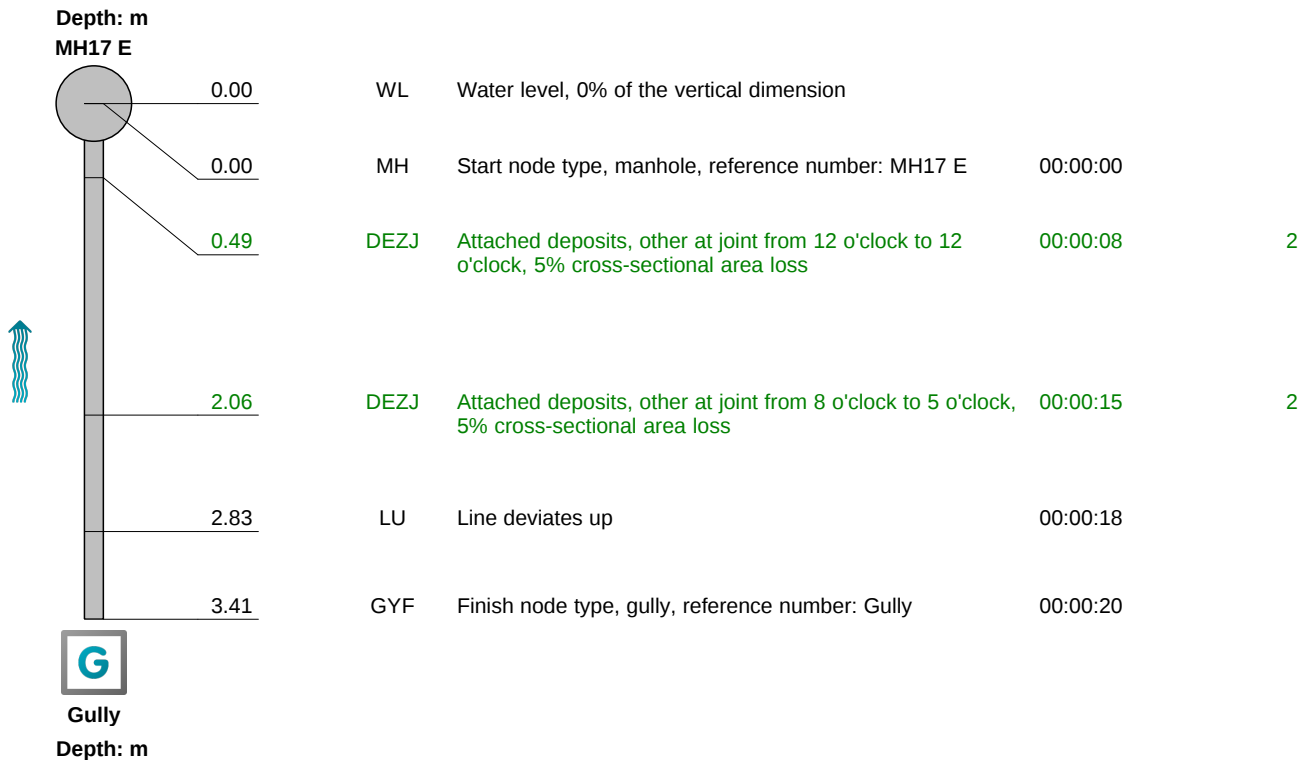
Section 63	Inspection 70	Date 15/05/18	Time 9:32	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	GULLY
Road:	St. Mary'S Gate	Inspected Length:	3.41 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	3.41 m	Downstream Node:	MH17 E
Surface Type:	Asphalt Highway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

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



STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	2	1.0	0.6	2.0	2.0

Section Pictures - 15/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
63	Upstream			DIUK-1021



, 00:00:08, 0.49 m
 Attached deposits, other at joint from 12 o'clock to 12 o'clock,
 5% cross-sectional area loss



, 00:00:15, 2.06 m
 Attached deposits, other at joint from 8 o'clock to 5 o'clock,
 5% cross-sectional area loss



Drain Inspect UK

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Tel. 0115 8963 206

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Section Inspection - 15/05/2018

Section 64	Inspection 73	Date 15/05/18	Time 9:53	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	MH19 UTL
Road:	St. Mary'S Gate	Inspected Length:	0.95 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	0.95 m	Downstream Node:	MH18 D
Surface Type:	Asphalt Highway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:**Recommendations:**

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
	0.00	MH	Start node type, manhole, reference number: MH18 D	00:00:00		
	0.01	WL	Water level, 0% of the vertical dimension			
	0.02	S01	RM	Roots, mass, 15% cross-sectional area loss, start	00:00:09	
	0.94	F01	RM	Roots, mass, 15% cross-sectional area loss, finish	00:00:17	3
	0.95	SA	Survey abandoned: Unable to pass mass root ingress	00:00:17		

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	4.0	4.2	4.0	3.0

Section Pictures - 15/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
64	Upstream			DIUK-1021



, 00:00:09, 0.02 m
 Roots, mass, 15% cross-sectional area loss, start



, 00:00:17, 0.95 m
 Survey abandoned, Unable to pass mass root ingress

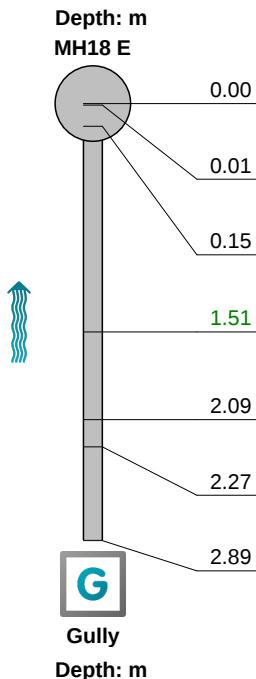
Section Inspection - 15/05/2018

Section 65	Inspection 74	Date 15/05/18	Time 9:57	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	GULLY
Road:	St. Mary'S Gate	Inspected Length:	2.89 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	2.89 m	Downstream Node:	MH18 E
Surface Type:	Asphalt Highway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
						
	0.00	MH	Start node type, manhole, reference number: MH18 E	00:00:00		
	0.01	WL	Water level, 0% of the vertical dimension			
	0.15	LR	Line deviates right	00:00:05		
	1.51	DEZJ	Attached deposits, other at joint from 5 o'clock to 3 o'clock, 5% cross-sectional area loss	00:00:18		2
	2.09	JDM	Joint displaced, medium	00:00:25		1
	2.27	LU	Line deviates up	00:00:28		
	2.89	GYF	Finish node type, gully, reference number: Gully	00:00:00		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
1	1.0	0.3	1.0	1.0	1	1.0	0.3	1.0	2.0

Section Pictures - 15/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
65	Upstream			DIUK-1021



, 00:00:18, 1.51 m
 Attached deposits, other at joint from 5 o'clock to 3 o'clock,
 5% cross-sectional area loss



, 00:00:25, 2.09 m
 Joint displaced, medium

Section Inspection - 15/05/2018

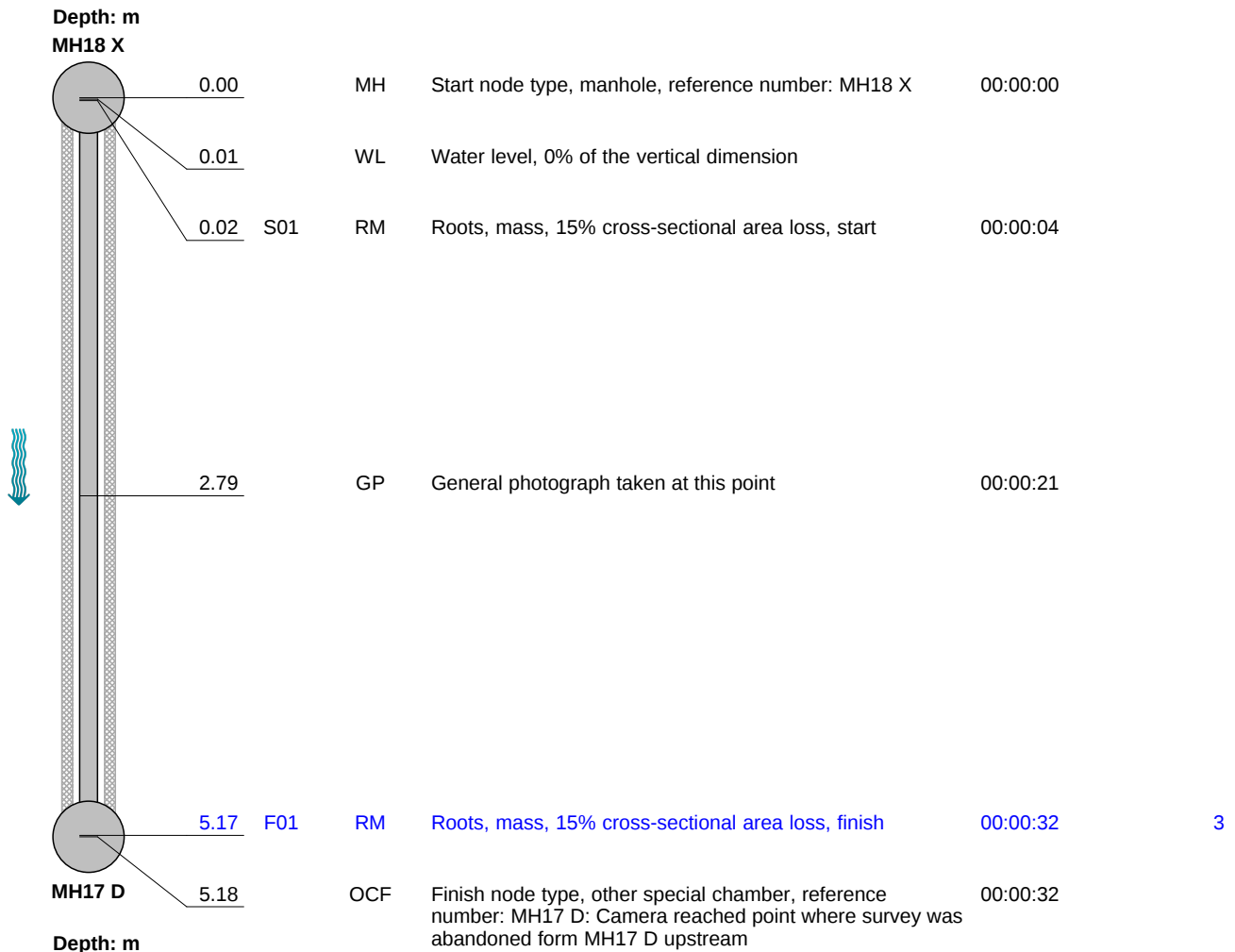
Section 66	Inspection 75	Date 15/05/18	Time 10:02	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Downstream	Upstream Node:	MH18 X
Road:	St. Mary'S Gate	Inspected Length:	5.18 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	5.18 m	Downstream Node:	MH17 D
Surface Type:	Asphalt Highway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

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



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	4.0	0.8	4.0	3.0

Section Pictures - 15/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
66	Downstream			DIUK-1021



, 00:00:04, 0.02 m
 Roots, mass, 15% cross-sectional area loss, start



, 00:00:21, 2.79 m
 General photograph taken at this point

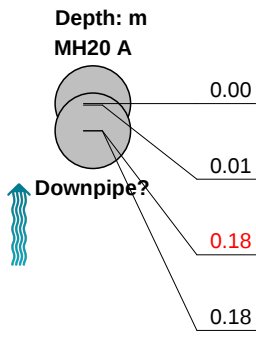
Section Inspection - 15/05/2018

Section 67	Inspection 77	Date 15/05/18	Time 10:09	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE?
Road:	St. Mary'S Gate	Inspected Length:	0.18 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	0.18 m	Downstream Node:	MH20 A
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:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
						
	0.00	MH	Start node type, manhole, reference number: MH20 A	00:00:00		
	0.01	WL	Water level, 0% of the vertical dimension			
	0.18	DES	Settled deposits, fine, 90% cross-sectional area loss	00:00:14		5
	0.18	SA	Survey abandoned: Unable to pass debris	00:00:14		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	1	10.0	55.6	10.0	5.0

Section Pictures - 15/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
67	Upstream			DIUK-1021



, 00:00:14, 0.18 m
 Settled deposits, fine, 90% cross-sectional area loss



, 00:00:14, 0.18 m
 Survey abandoned, Unable to pass debris

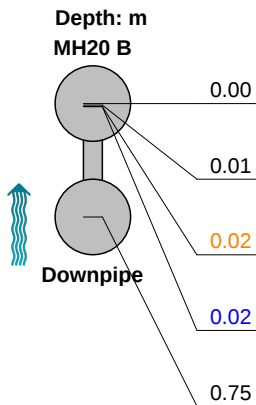
Section Inspection - 15/05/2018

Section 68	Inspection 78	Date 15/05/18	Time 10:15	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE
Road:	St. Mary'S Gate	Inspected Length:	0.75 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	0.75 m	Downstream Node:	MH20 B
Surface Type:	Asphalt Highway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
						
	0.00	MH	Start node type, manhole, reference number: MH20 B	00:00:00		
	0.01	WL	Water level, 0% of the vertical dimension			
	0.02	FMJ	Fracture, multiple at joint from 7 o'clock to 1 o'clock	00:00:17		4
	0.02	RMJ	Roots, mass at joint, 20% cross-sectional area loss	00:00:17		3
	0.75	OCF	Finish node type, other special chamber, reference number: Downpipe	00:00:26		

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	106.7	80.0	4.0	1	4.0	5.3	4.0	3.0

Section Pictures - 15/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
68	Upstream			DIUK-1021



, 00:00:17, 0.02 m
 Fracture, multiple at joint from 7 o'clock to 1 o'clock



, 00:00:17, 0.02 m
 Roots, mass at joint, 20% cross-sectional area loss

Section Inspection - 15/05/2018

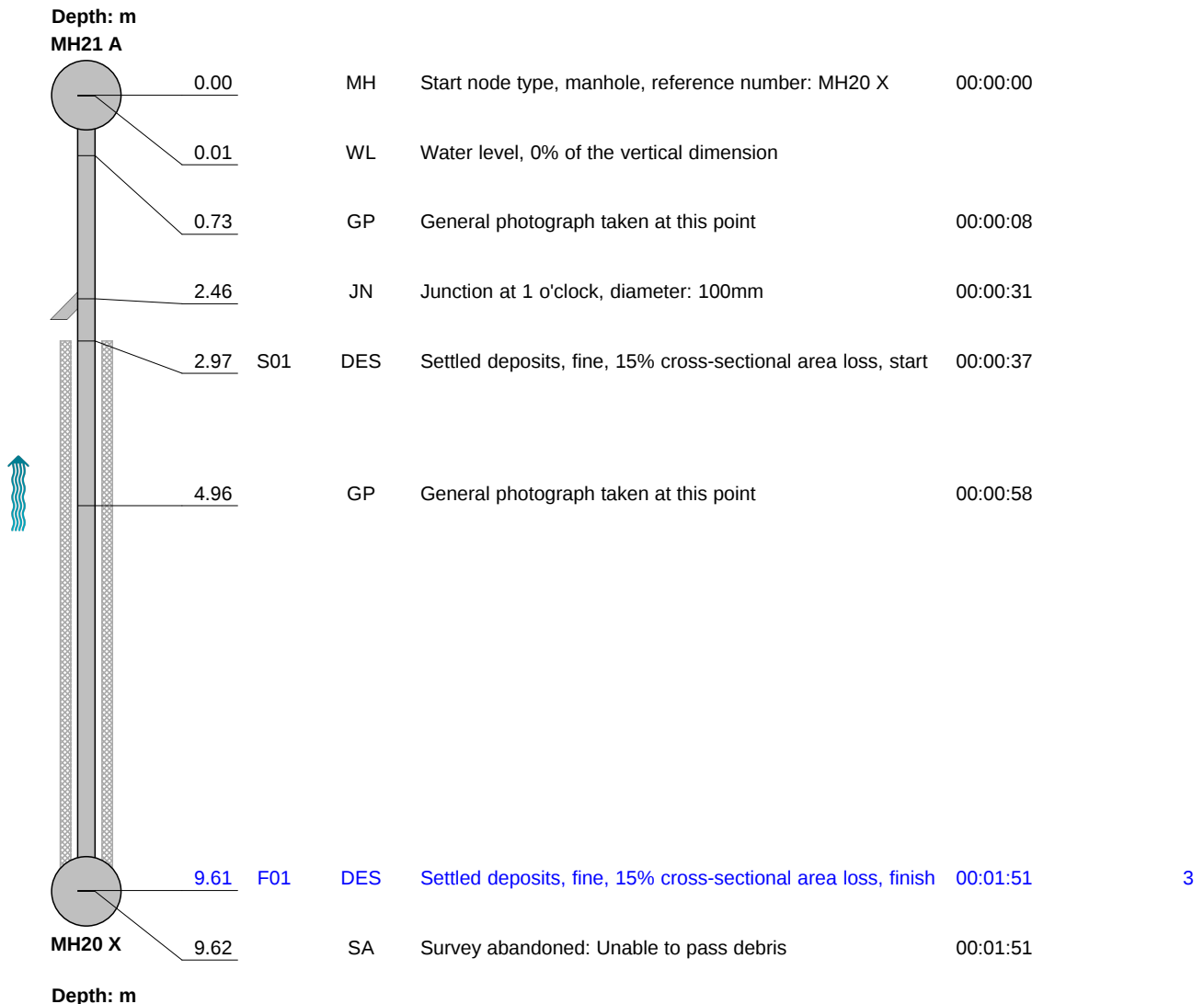
Section 69	Inspection 80	Date 15/05/18	Time 10:20	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	MH20 X
Road:	St. Mary'S Gate	Inspected Length:	9.62 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	9.62 m	Downstream Node:	MH21 A
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:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:84 Position [m] Code Observation MPEG Photo Grade



STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	1	2.0	0.2	2.0	3.0

Section Pictures - 15/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
69	Upstream			DIUK-1021



, 00:00:08, 0.73 m
 General photograph taken at this point



, 00:00:31, 2.46 m
 Junction at 1 o'clock, diameter: 100mm



, 00:00:37, 2.97 m
 Settled deposits, fine, 15% cross-sectional area loss, start



, 00:00:58, 4.96 m
 General photograph taken at this point

Section Pictures - 15/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
69	Upstream			DIUK-1021



, 00:01:51, 9.62 m
 Survey abandoned, Unable to pass debris

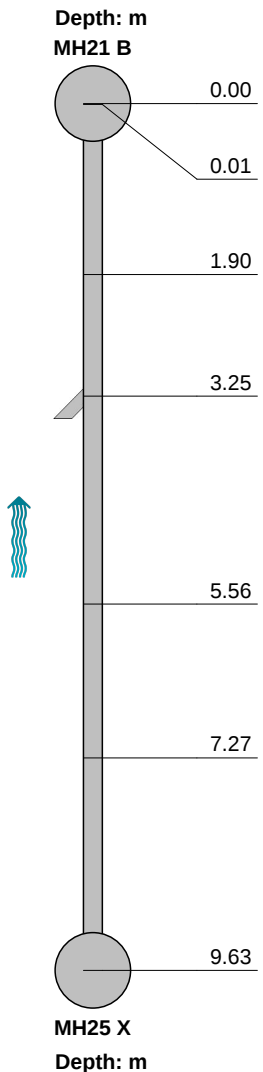
Section Inspection - 15/05/2018

Section 70	Inspection 81	Date 15/05/18	Time 10:46	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	MH25 X
Road:	St. Mary'S Gate	Inspected Length:	9.63 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	9.63 m	Downstream Node:	MH21 B
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:	150 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:84	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH21 B  0.00 0.01 1.90 3.25 5.56 7.27 9.63 MH25 X Depth: m						
	0.00	MH	Start node type, manhole, reference number: MH21 B	00:00:00		
	0.01	WL	Water level, 5% of the vertical dimension			
	1.90	GP	General photograph taken at this point	00:00:13		
	3.25	JN	Junction at 1 o'clock, diameter: 100mm	00:00:22		
	5.56	GP	General photograph taken at this point	00:00:42		
	7.27	JDM	Joint displaced, medium	00:00:52		1
	9.63	MHF	Finish node type, manhole, reference number: MH25 X	00:01:13		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
1	1.0	0.1	1.0	1.0	0	0.0	0.0	0.0	1.0

Section Pictures - 15/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
70	Upstream			DIUK-1021



, 00:00:13, 1.90 m
 General photograph taken at this point



, 00:00:22, 3.25 m
 Junction at 1 o'clock, diameter: 100mm



, 00:00:42, 5.56 m
 General photograph taken at this point



, 00:00:52, 7.27 m
 Joint displaced, medium

Section Pictures - 15/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
70	Upstream			DIUK-1021



, 00:01:13, 9.63 m
 Finish node type, manhole, reference number: MH25 X

Section Inspection - 15/05/2018

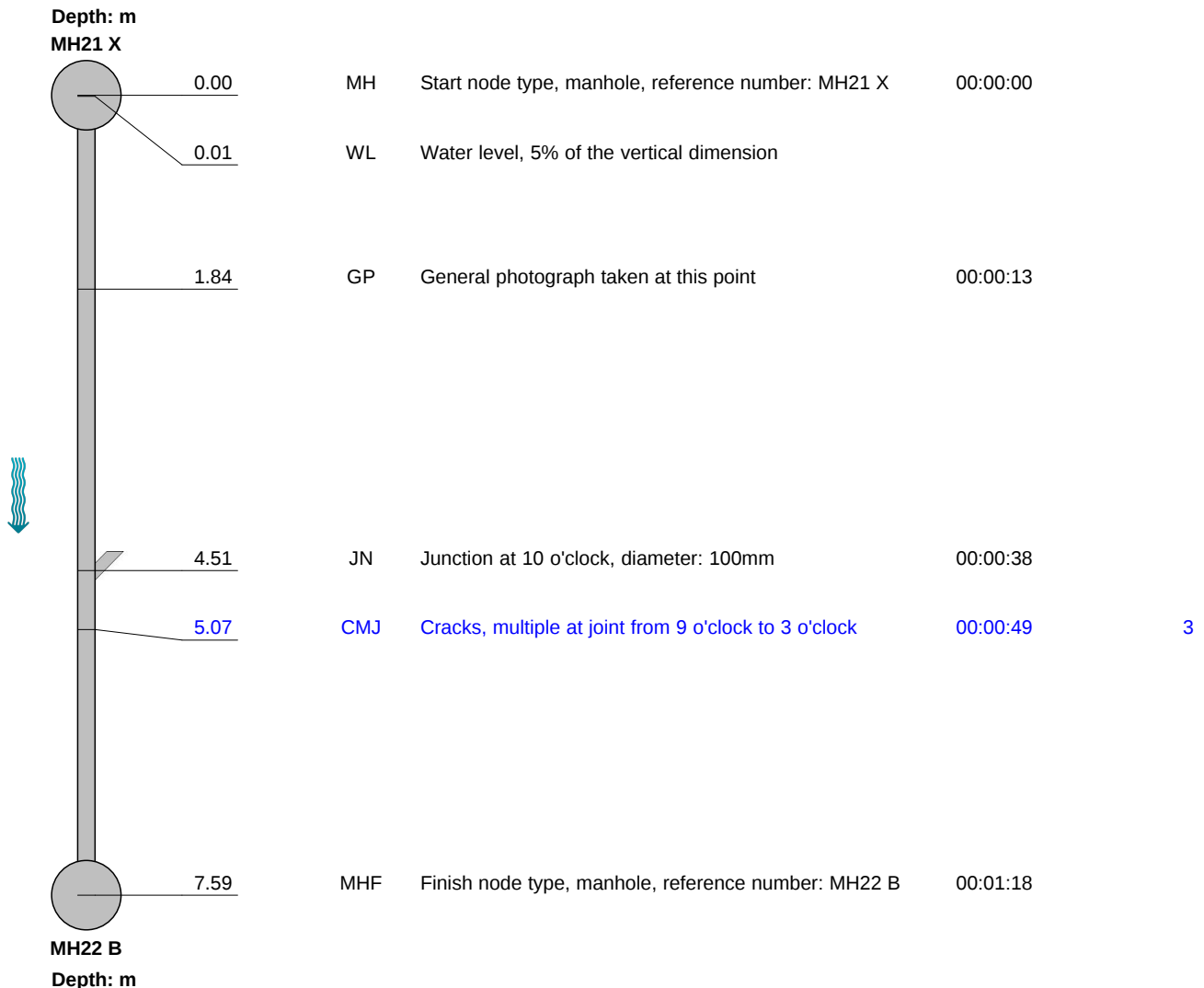
Section	Inspection	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
71	82	15/05/18	11:25		No Rain Or Snow	No	
Operator		Vehicle		Camera	Preset Length	Criticality Grade	Alternative ID
P K		EY67 OJW		Mini-Cam Solopro+			

Town or Village:	Derby	Inspection Direction:	Downstream	Upstream Node:	MH21 X
Road:	St. Mary'S Gate	Inspected Length:	7.59 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	7.59 m	Downstream Node:	MH22 B
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:	150 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:66 Position [m] Code Observation MPEG Photo Grade



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	5.3	40.0	3.0	0	0.0	0.0	0.0	1.0

Section Pictures - 15/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
71	Downstream			DIUK-1021



, 00:00:13, 1.84 m
 General photograph taken at this point



, 00:00:38, 4.51 m
 Junction at 10 o'clock, diameter: 100mm



, 00:00:49, 5.07 m
 Cracks, multiple at joint from 9 o'clock to 3 o'clock



, 00:01:18, 7.59 m
 Finish node type, manhole, reference number: MH22 B

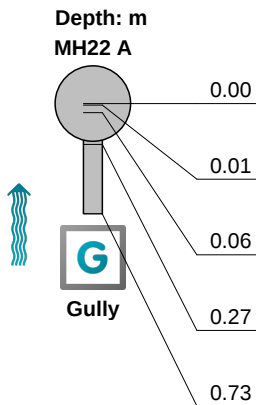
Section Inspection - 15/05/2018

Section	Inspection	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
72	83	15/05/18	11:35		No Rain Or Snow	No	
Operator		Vehicle		Camera	Preset Length	Criticality Grade	Alternative ID
P K		EY67 OJW		Mini-Cam Solopro+			

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	GULLY
Road:	St. Mary'S Gate	Inspected Length:	0.73 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	0.73 m	Downstream Node:	MH22 A
Surface Type:	Asphalt Highway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
						
Depth: m						
MH22 A						
	0.00	MH	Start node type, manhole, reference number: MH22 A	00:00:00		
	0.01	WL	Water level, 0% of the vertical dimension			
	0.06	GP	General photograph taken at this point	00:00:06		
	0.27	LL	Line deviates left	00:00:08		
	0.73	GYF	Finish node type, gully, reference number: Gully	00:00:11		

Depth: m

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Pictures - 15/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
72	Upstream			DIUK-1021



, 00:00:06, 0.06 m
 General photograph taken at this point

Section Inspection - 15/05/2018

Section	Inspection	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
73	84	15/05/18	11:39		No Rain Or Snow	No	
Operator		Vehicle		Camera	Preset Length	Criticality Grade	Alternative ID
P K		EY67 OJW		Mini-Cam Solopro+			

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE
Road:	St. Mary'S Gate	Inspected Length:	4.28 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	4.28 m	Downstream Node:	MH22 C
Surface Type:	Asphalt Highway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition		Lining Material:	None	

Comments:

Recommendations:

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



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	5.1	22.0	2.0	0	0.0	0.0	0.0	1.0

Section Pictures - 15/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
73	Upstream			DIUK-1021



, 00:00:05, 0.27 m
 Joint displaced, medium



, 00:00:22, 2.00 m
 Crack, circumferential at joint from 8 o'clock to 12 o'clock



, 00:00:30, 2.56 m
 Crack, circumferential at joint from 9 o'clock to 2 o'clock



, 00:00:36, 3.02 m
 Joint displaced, medium

Section Pictures - 15/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
73	Upstream			DIUK-1021



13:45:37 9-MAY-2018

4.28m

, 00:00:41, 4.28 m

Finish node type, other special chamber, reference number:
 Downpipe

Section Inspection - 15/05/2018

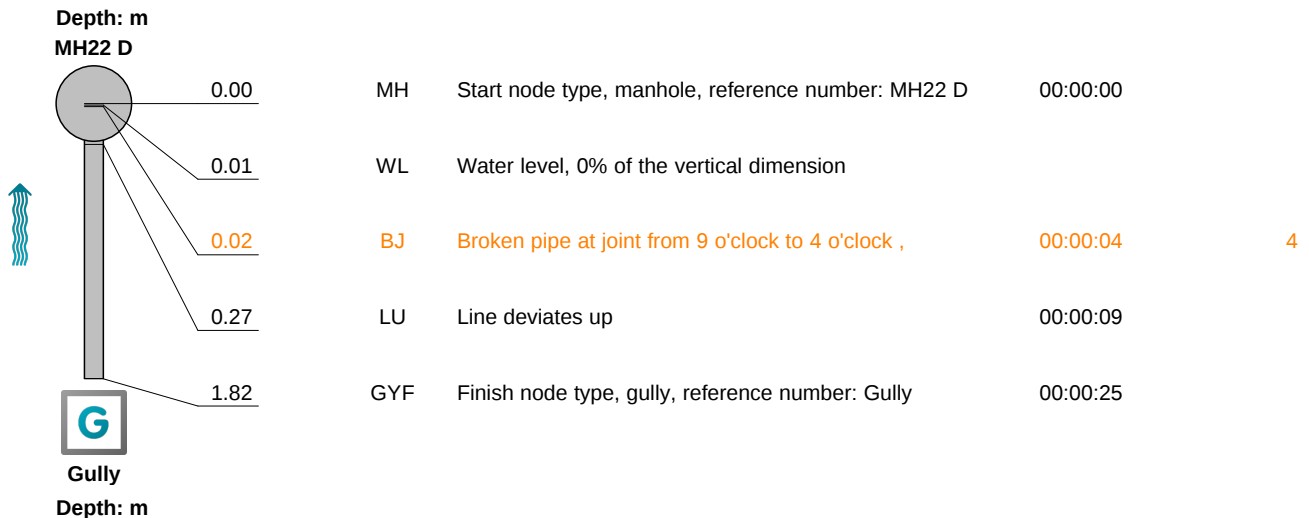
Section 74	Inspection 85	Date 15/05/18	Time 11:44	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	GULLY
Road:	St. Mary'S Gate	Inspected Length:	1.82 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	1.82 m	Downstream Node:	MH22 D
Surface Type:	Asphalt Highway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

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



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	44.0	80.0	4.0	0	0.0	0.0	0.0	1.0

Section Pictures - 15/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
74	Upstream			DIUK-1021



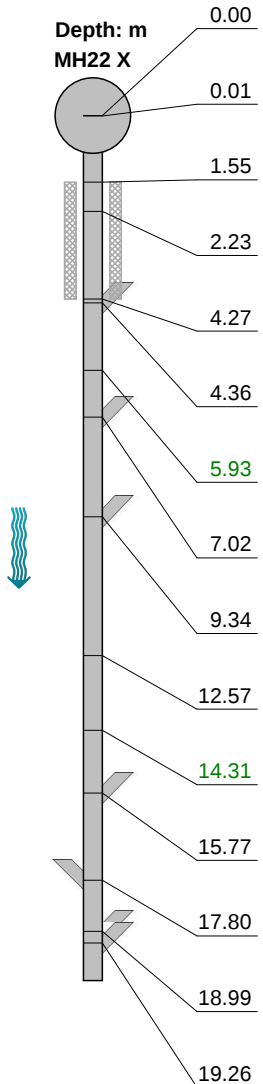
, 00:00:04, 0.02 m
 Broken pipe at joint from 9 o'clock to 4 o'clock ,

Section Inspection - 15/05/2018

Section	Inspection	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
75	86	15/05/18	14:05		No Rain Or Snow	No	
Operator		Vehicle		Camera	Preset Length	Criticality Grade	Alternative ID
P K		EY67 OJW		Mini-Cam Solopro+			

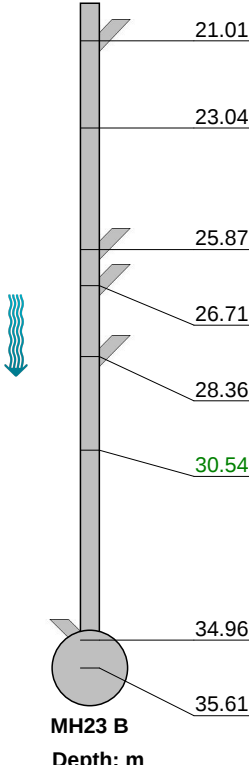
Town or Village:	Derby	Inspection Direction:	Downstream	Upstream Node:	MH22 X
Road:	St. Mary'S Gate	Inspected Length:	35.61 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	35.61 m	Downstream Node:	MH23 B
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Combined	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:		Lining Material:	None		

Comments:
Recommendations:

Scale: 1:176	Position [m]	Code	Observation	MPEG	Photo	Grade
	0.00	MH	Start node type, manhole, reference number: MH22 X	00:00:00		
	0.01	WL	Water level, 5% of the vertical dimension			
	1.55	S01	LD	Line deviates down, start		
	2.23	GP	General photograph taken at this point	00:00:16		
	4.27	F01	LD	Line deviates down, finish		
	4.36	JN	Junction at 9 o'clock, diameter: 100mm	00:00:42		
	5.93	CL	Crack, longitudinal at 11 o'clock	00:01:00		2
	7.02	JN	Junction at 11 o'clock, diameter: 100mm	00:01:10		
	9.34	JN	Junction at 10 o'clock, diameter: 100mm	00:01:34		
	12.57	GP	General photograph taken at this point	00:02:06		
	14.31	CCJ	Crack, circumferential at joint from 7 o'clock to 1 o'clock	00:02:32		2
	15.77	JN	Junction at 10 o'clock, diameter: 100mm	00:02:44		
	17.80	JN	Junction at 1 o'clock, diameter: 100mm	00:03:00		
	18.99	JN	Junction at 11 o'clock, diameter: 100mm	00:03:17		
	19.26	JN	Junction at 11 o'clock, diameter: 100mm	00:03:23		

Section Inspection - 15/05/2018

Section	Inspection	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
75	86	15/05/18	14:05		No Rain Or Snow	No	
Operator		Vehicle		Camera	Preset Length	Criticality Grade	Alternative ID
P K		EY67 OJW		Mini-Cam Solopro+			

Scale: 1:176	Position [m]	Code	Observation	MPEG	Photo	Grade			
 MH23 B Depth: m	21.01	JN	Junction at 9 o'clock, diameter: 100mm	00:03:32					
	23.04	GP	General photograph taken at this point	00:03:48					
	25.87	JN	Junction at 9 o'clock, diameter: 100mm	00:04:03					
	26.71	JXD	Defective junction, damaged at 10 o'clock, diameter: 100mm	00:04:15					
	28.36	JN	Junction at 9 o'clock, diameter: 100mm	00:04:34					
	30.54	CCJ	Crack, circumferential at joint from 7 o'clock to 2 o'clock	00:04:45		2			
	34.96	JN	Junction at 1 o'clock, diameter: 100mm	00:05:07					
	35.61	MHF	Finish node type, manhole, reference number: MH23 B	00:05:13					
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
3	10.0	0.8	30.0	2.0	0	0.0	0.0	0.0	1.0

Section Pictures - 15/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
75	Downstream			DIUK-1021



, 00:00:16, 2.23 m
 General photograph taken at this point



, 00:00:42, 4.36 m
 Junction at 9 o'clock, diameter: 100mm



, 00:01:00, 5.93 m
 Crack, longitudinal at 11 o'clock



, 00:01:34, 9.34 m
 Junction at 10 o'clock, diameter: 100mm

Section Pictures - 15/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
75	Downstream			DIUK-1021



, 00:02:06, 12.57 m
 General photograph taken at this point



, 00:02:32, 14.31 m
 Crack, circumferential at joint from 7 o'clock to 1 o'clock



, 00:02:44, 15.77 m
 Junction at 10 o'clock, diameter: 100mm



, 00:03:00, 17.80 m
 Junction at 1 o'clock, diameter: 100mm

Section Pictures - 15/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
75	Downstream			DIUK-1021



, 00:03:17, 18.99 m
 Junction at 11 o'clock, diameter: 100mm



, 00:03:23, 19.26 m
 Junction at 11 o'clock, diameter: 100mm



, 00:03:32, 21.01 m
 Junction at 9 o'clock, diameter: 100mm



, 00:03:48, 23.04 m
 General photograph taken at this point

Section Pictures - 15/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
75	Downstream			DIUK-1021



, 00:04:03, 25.87 m
 Junction at 9 o'clock, diameter: 100mm



, 00:04:15, 26.71 m
 Defective junction, damaged at 10 o'clock, diameter: 100mm



, 00:04:34, 28.36 m
 Junction at 9 o'clock, diameter: 100mm



, 00:04:45, 30.54 m
 Crack, circumferential at joint from 7 o'clock to 2 o'clock

Section Pictures - 15/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
75	Downstream			DIUK-1021



, 00:05:07, 34.96 m
 Junction at 1 o'clock, diameter: 100mm



, 00:05:13, 35.61 m
 Finish node type, manhole, reference number: MH23 B

Section Inspection - 15/05/2018

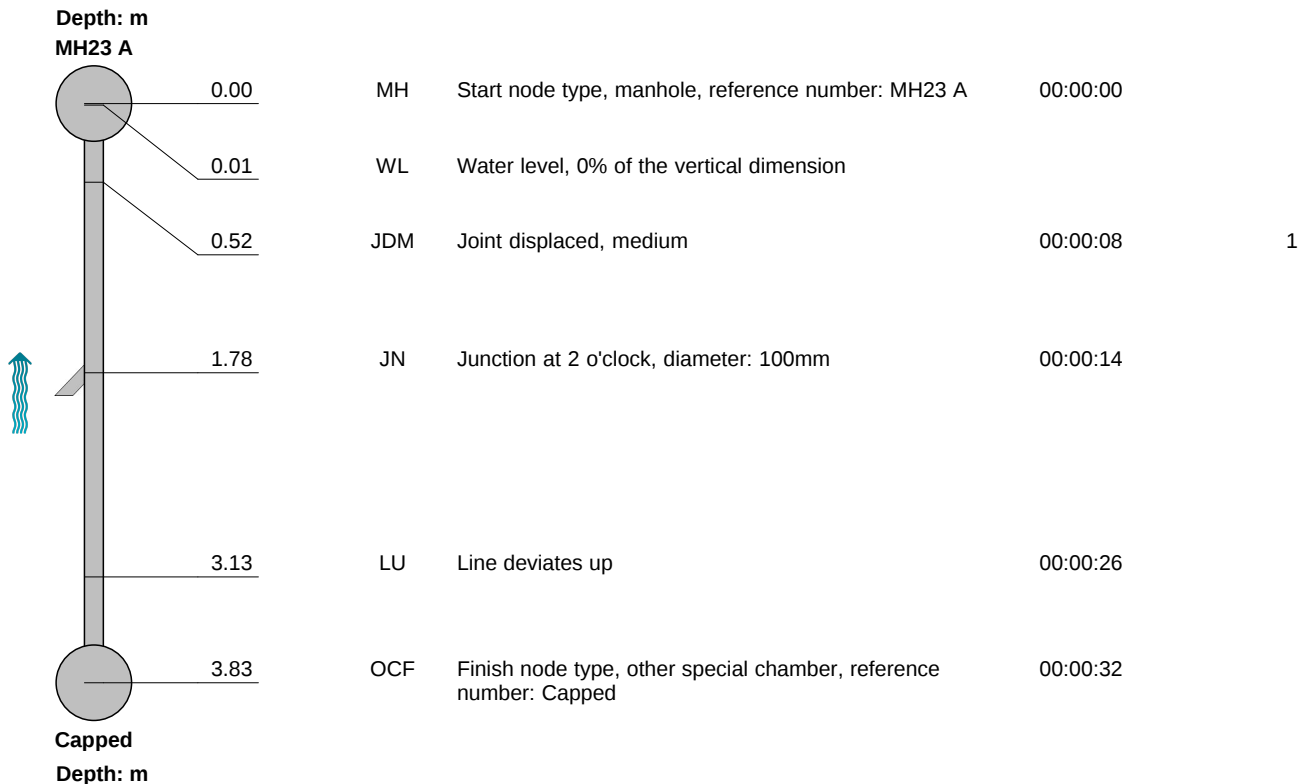
Section 76	Inspection 87	Date 15/05/18	Time 15:08	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	CAPPED
Road:	St. Mary'S Gate	Inspected Length:	3.83 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	3.83 m	Downstream Node:	MH23 A
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

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



STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
1	1.0	0.3	1.0	1.0	0	0.0	0.0	0.0	1.0

Section Pictures - 15/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
76	Upstream			DIUK-1021



, 00:00:08, 0.52 m
 Joint displaced, medium



, 00:00:14, 1.78 m
 Junction at 2 o'clock, diameter: 100mm



, 00:00:32, 3.83 m
 Finish node type, other special chamber, reference number:
 Capped

Section Inspection - 15/05/2018

Section	Inspection	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
77	88	15/05/18	15:13		No Rain Or Snow	No	
Operator		Vehicle		Camera	Preset Length	Criticality Grade	Alternative ID
P K		EY67 OJW		Mini-Cam Solopro+			

Town or Village:	Derby	Inspection Direction:	Downstream	Upstream Node:	MH23 C
Road:	St. Mary'S Gate	Inspected Length:	6.71 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	6.71 m	Downstream Node:	MH24 A
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:59 Position [m] Code Observation MPEG Photo Grade

Depth: m
MH23 C



0.00

MH

Start node type, manhole, reference number: MH23 C

00:00:00

0.01

WL

Water level, 0% of the vertical dimension

4.03

GP

General photograph taken at this point

00:00:25

6.71

MHF

Finish node type, manhole, reference number: MH24 A

00:00:42

MH24 A
Depth: m

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Pictures - 15/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
77	Downstream			DIUK-1021



, 00:00:25, 4.03 m
 General photograph taken at this point

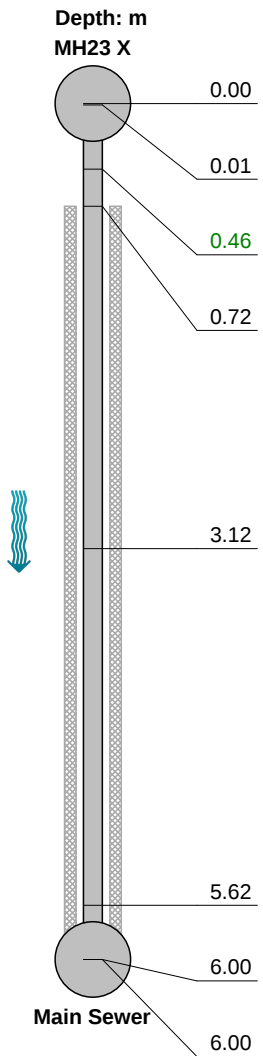
Section Inspection - 15/05/2018

Section	Inspection	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
78	89	15/05/18	15:32		No Rain Or Snow	No	
Operator		Vehicle		Camera	Preset Length	Criticality Grade	Alternative ID
P K		EY67 OJW		Mini-Cam Solopro+			

Town or Village:	Derby	Inspection Direction:	Downstream	Upstream Node:	MH23 X
Road:	St. Mary'S Gate	Inspected Length:	6.00 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	6.00 m	Downstream Node:	MAIN SEWER
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Combined	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:53	Position [m]	Code	Observation	MPEG	Photo	Grade
						
Depth: m	0.00	MH	Start node type, manhole, reference number: MH23 X	00:00:00		
MH23 X	0.01	WL	Water level, 5% of the vertical dimension			
	0.46	DEZJ	Attached deposits, other at joint from 5 o'clock to 8 o'clock, 5% cross-sectional area loss	00:00:07		2
	0.72	S01 LD	Line deviates down, start	00:00:10		
	3.12	GP	General photograph taken at this point	00:00:28		
	5.62	LL	Line deviates left	00:00:41		
	6.00	F01 LD	Line deviates down, finish	00:00:42		
Main Sewer	6.00	MHF	Finish node type, manhole, reference number: Main Sewer	00:00:42		
Depth: m						

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	1.0	0.2	1.0	2.0

Section Pictures - 15/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
78	Downstream			DIUK-1021



, 00:00:28, 3.12 m
 General photograph taken at this point



, 00:00:42, 6.00 m
 Finish node type, manhole, reference number: Main Sewer

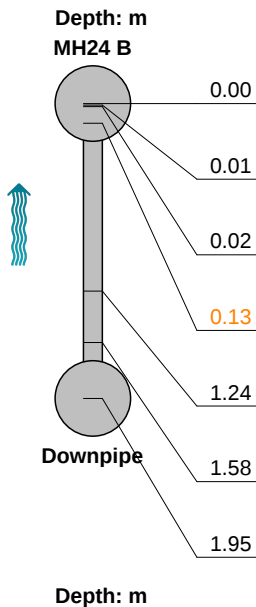
Section Inspection - 15/05/2018

Section	Inspection	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
79	90	15/05/18	15:47		No Rain Or Snow	No	
Operator		Vehicle		Camera	Preset Length	Criticality Grade	Alternative ID
P K		EY67 OJW		Mini-Cam Solopro+			

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE
Road:	St. Mary'S Gate	Inspected Length:	1.95 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	1.95 m	Downstream Node:	MH24 B
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
						
	0.00	MH	Start node type, manhole, reference number: MH24 B	00:00:00		
	0.01	WL	Water level, 5% of the vertical dimension			
	0.02	LU	Line deviates up	00:00:01		
	0.13	FMJ	Fracture, multiple at joint from 10 o'clock to 2 o'clock	00:00:08		4
	1.24	GP	General photograph taken at this point	00:00:17		
	1.58	LR	Line deviates right	00:00:20		
	1.95	OCF	Finish node type, other special chamber, reference number: Downpipe	00:00:24		

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	41.0	80.0	4.0	0	0.0	0.0	0.0	1.0

Section Pictures - 15/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
79	Upstream			DIUK-1021



, 00:00:08, 0.13 m
 Fracture, multiple at joint from 10 o'clock to 2 o'clock



, 00:00:17, 1.24 m
 General photograph taken at this point



, 00:00:24, 1.95 m
 Finish node type, other special chamber, reference number:
 Downpipe

Section Inspection - 15/05/2018

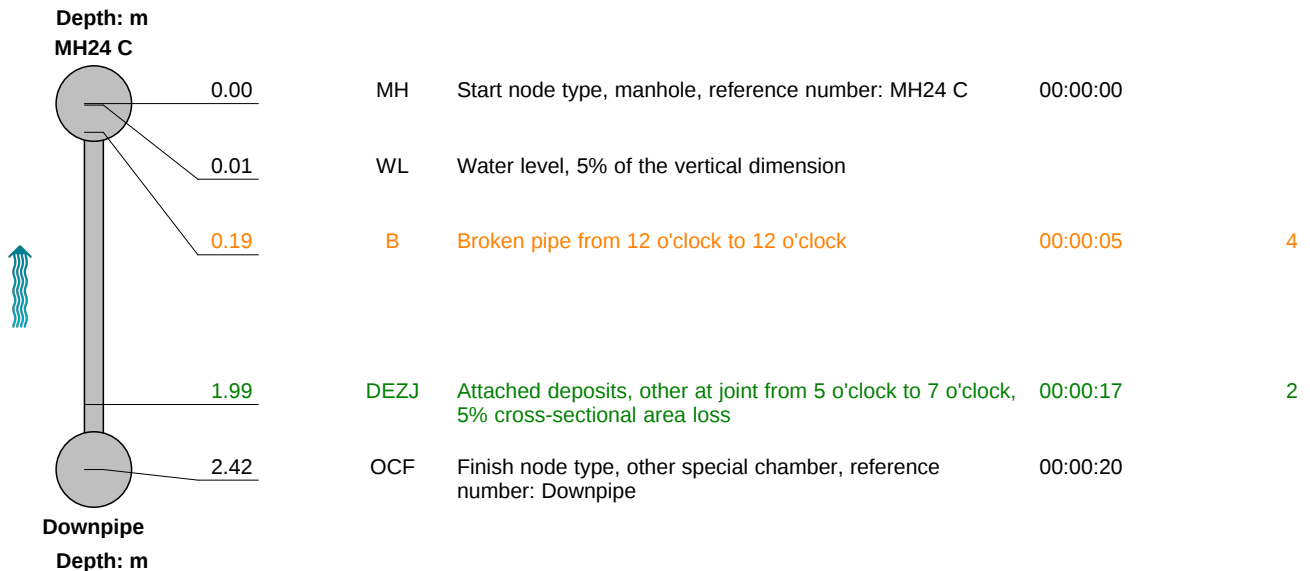
Section 80	Inspection 91	Date 15/05/18	Time 15:53	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE
Road:	St. Mary'S Gate	Inspected Length:	2.42 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	2.42 m	Downstream Node:	MH24 C
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

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



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	33.1	80.0	4.0	1	1.0	0.4	1.0	2.0

Section Pictures - 15/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
80	Upstream			DIUK-1021



, 00:00:05, 0.19 m
 Broken pipe from 12 o'clock to 12 o'clock



, 00:00:17, 1.99 m
 Attached deposits, other at joint from 5 o'clock to 7 o'clock,
 5% cross-sectional area loss

Section Inspection - 15/05/2018

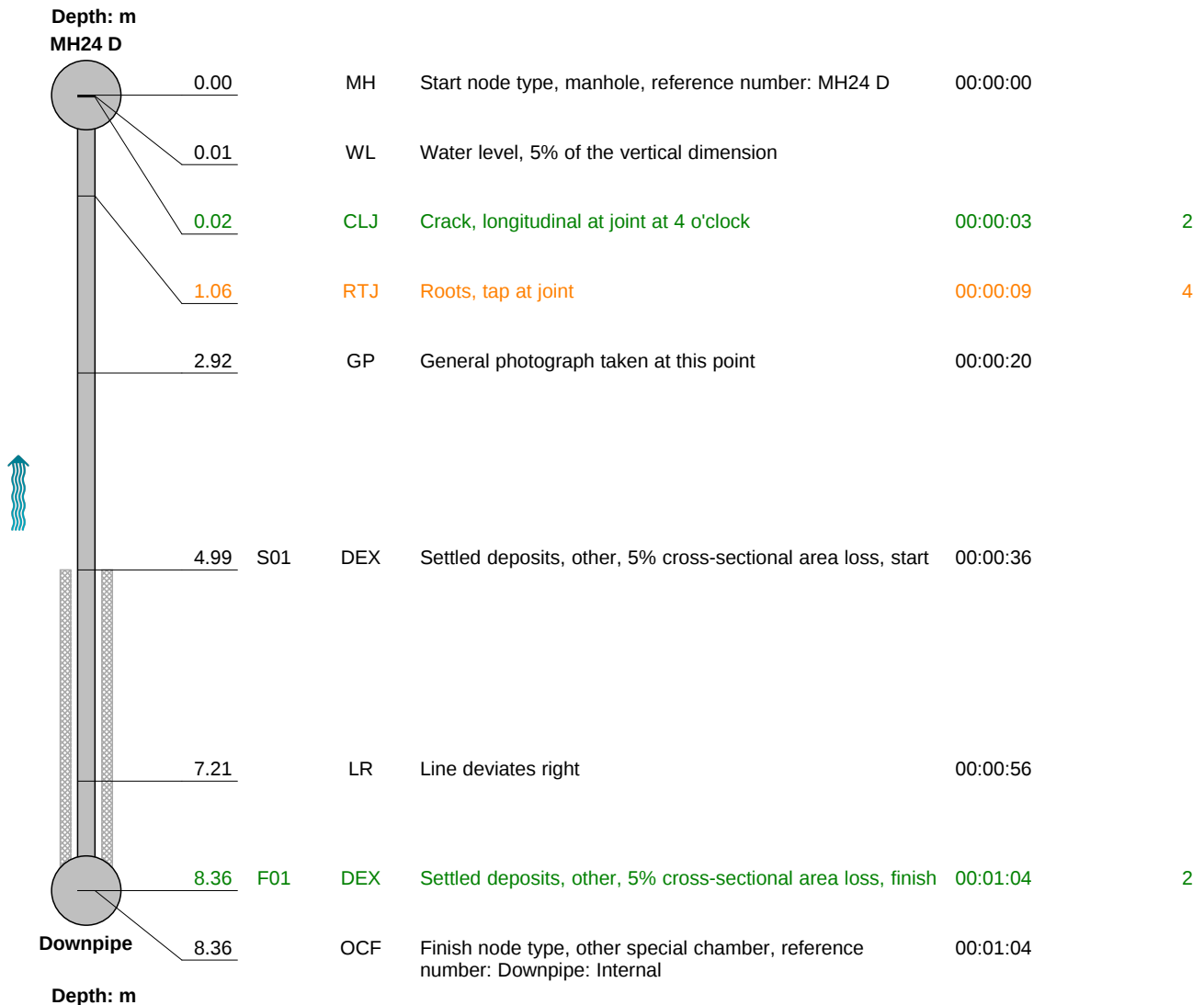
Section 81	Inspection 92	Date 15/05/18	Time 16:03	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE
Road:	St. Mary'S Gate	Inspected Length:	8.36 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	8.36 m	Downstream Node:	MH24 D
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:		Lining Material:	None		

Comments:

Recommendations:

Scale: 1:73 Position [m] Code Observation MPEG Photo Grade



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	1.2	10.0	2.0	2	5.0	0.7	6.0	4.0

Section Pictures - 15/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
81	Upstream			DIUK-1021



, 00:00:03, 0.02 m
 Crack, longitudinal at joint at 4 o'clock



, 00:00:09, 1.06 m
 Roots, tap at joint



, 00:00:20, 2.92 m
 General photograph taken at this point



, 00:00:36, 4.99 m
 Settled deposits, other, 5% cross-sectional area loss, start

Section Pictures - 15/05/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
81	Upstream			DIUK-1021



, 00:01:04, 8.36 m
 Finish node type, other special chamber, reference number:
 Downpipe, Internal

Section Inspection - 07/06/2018

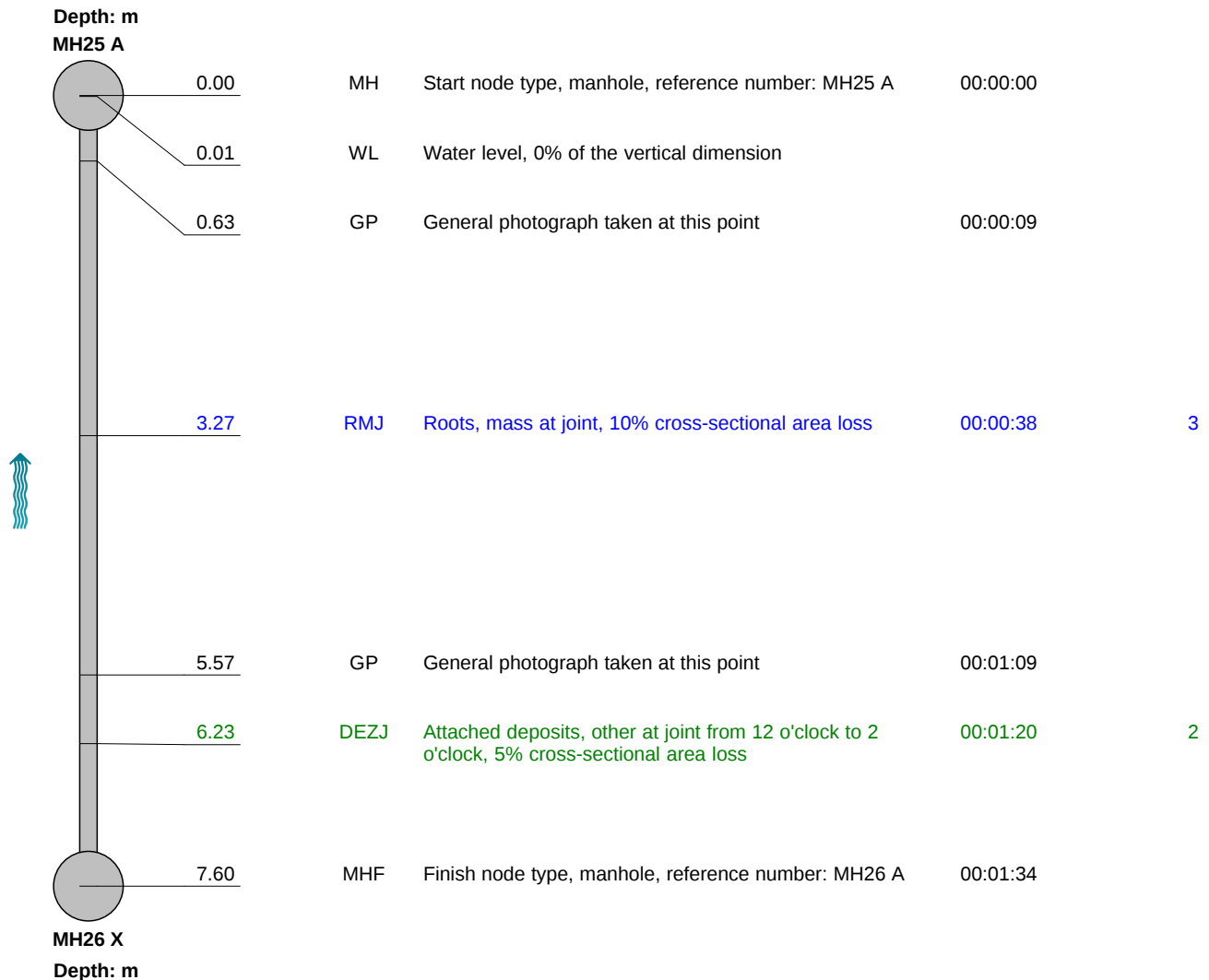
Section	Inspection	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
82	95	07/06/18	15:24		No Rain Or Snow	No	
Operator		Vehicle		Camera	Preset Length	Criticality Grade	Alternative ID
P K		EY67 OJW		Mini-Cam Solopro+			

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	MH26 X
Road:	St. Mary'S Gate	Inspected Length:	7.60 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	7.60 m	Downstream Node:	MH25 A
Surface Type:	Asphalt Footway	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:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition		Lining Material:	None	

Comments:

Recommendations:

Scale: 1:67 Position [m] Code Observation MPEG Photo Grade



STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	2	4.0	0.7	5.0	3.0

Section Pictures - 07/06/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
82	Upstream			DIUK-1021



, 00:00:09, 0.63 m
 General photograph taken at this point



, 00:00:38, 3.27 m
 Roots, mass at joint, 10% cross-sectional area loss



, 00:01:09, 5.57 m
 General photograph taken at this point



, 00:01:20, 6.23 m
 Attached deposits, other at joint from 12 o'clock to 2 o'clock,
 5% cross-sectional area loss

Section Pictures - 07/06/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
82	Upstream			DIUK-1021



, 00:01:34, 7.60 m
 Finish node type, manhole, reference number: MH26 A

Section Inspection - 07/06/2018

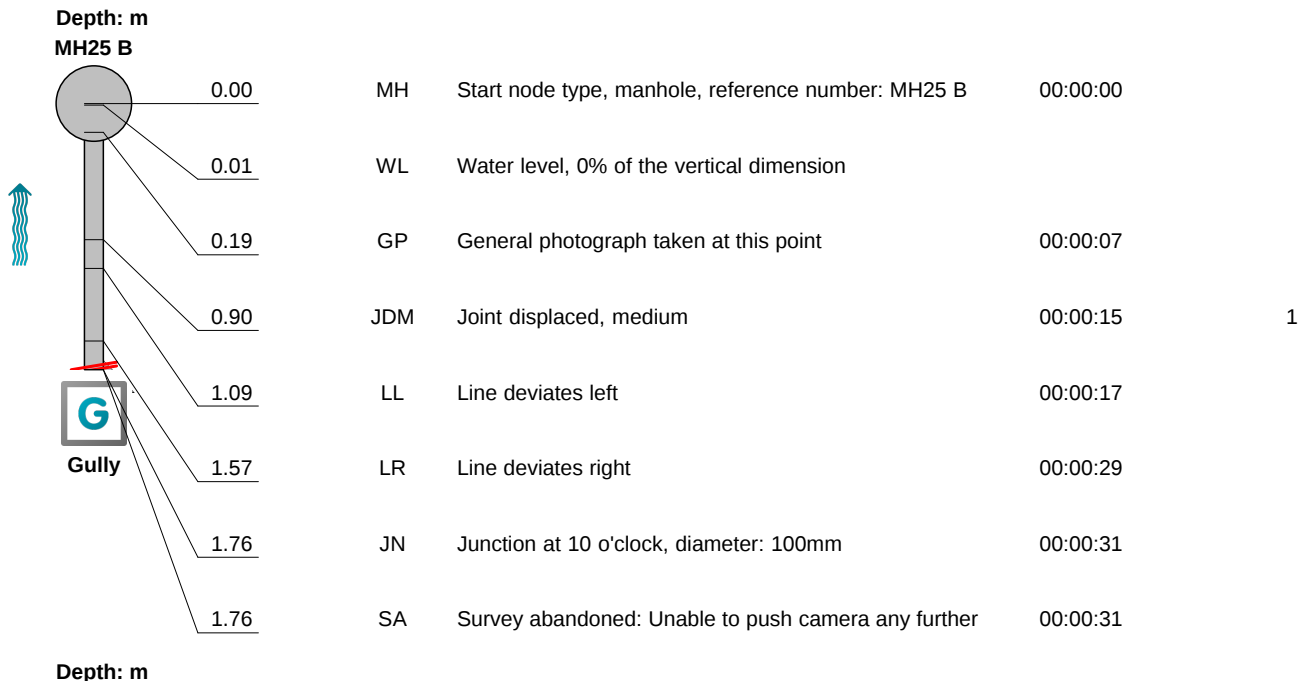
Section 83	Inspection 96	Date 07/06/18	Time 15:32	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	GULLY
Road:	St. Mary'S Gate	Inspected Length:	1.76 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	1.76 m	Downstream Node:	MH25 B
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

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



STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
1	1.0	0.6	1.0	1.0	0	0.0	0.0	0.0	1.0

Section Pictures - 07/06/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
83	Upstream			DIUK-1021



, 00:00:07, 0.19 m
 General photograph taken at this point



, 00:00:15, 0.90 m
 Joint displaced, medium



, 00:00:31, 1.76 m
 Junction at 10 o'clock, diameter: 100mm

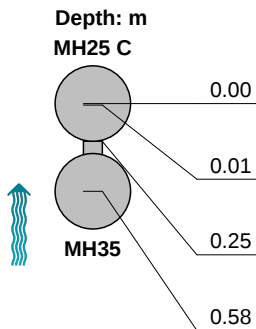
Section Inspection - 07/06/2018

Section 84	Inspection 97	Date 07/06/18	Time 15:39	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	MH35
Road:	St. Mary'S Gate	Inspected Length:	0.58 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	0.58 m	Downstream Node:	MH25 C
Surface Type:	Overgrown	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
						
	0.00	MH	Start node type, manhole, reference number: MH25 C	00:00:00		
	0.01	WL	Water level, 0% of the vertical dimension			
	0.25	LL	Line deviates left	00:00:10		
	0.58	MHF	Finish node type, manhole, reference number: MH35	00:00:18		

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 - 07/06/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
84	Upstream			DIUK-1021



, 00:00:18, 0.58 m
 Finish node type, manhole, reference number: MH35

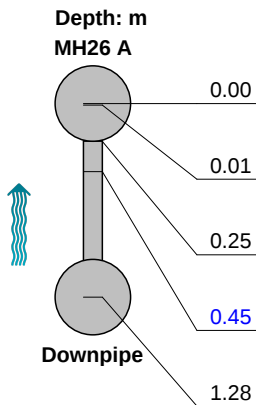
Section Inspection - 07/06/2018

Section 85	Inspection 98	Date 07/06/18	Time 16:03	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE
Road:	St. Mary'S Gate	Inspected Length:	1.28 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	1.28 m	Downstream Node:	MH26 A
Surface Type:	Overgrown	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
						
	0.00	MH	Start node type, manhole, reference number: MH26 A	00:00:00		
	0.01	WL	Water level, 0% of the vertical dimension			
	0.25	LU	Line deviates up	00:00:15		
	0.45	FLJ	Fracture, longitudinal at joint at 4 o'clock	00:00:16		3
	1.28	OCF	Finish node type, other special chamber, reference number: Downpipe	00:00:24		

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	31.3	40.0	3.0	0	0.0	0.0	0.0	1.0

Section Pictures - 07/06/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
85	Upstream			DIUK-1021



, 00:00:16, 0.45 m
 Fracture, longitudinal at joint at 4 o'clock



, 00:00:24, 1.28 m
 Finish node type, other special chamber, reference number:
 Downpipe

Section Inspection - 07/06/2018

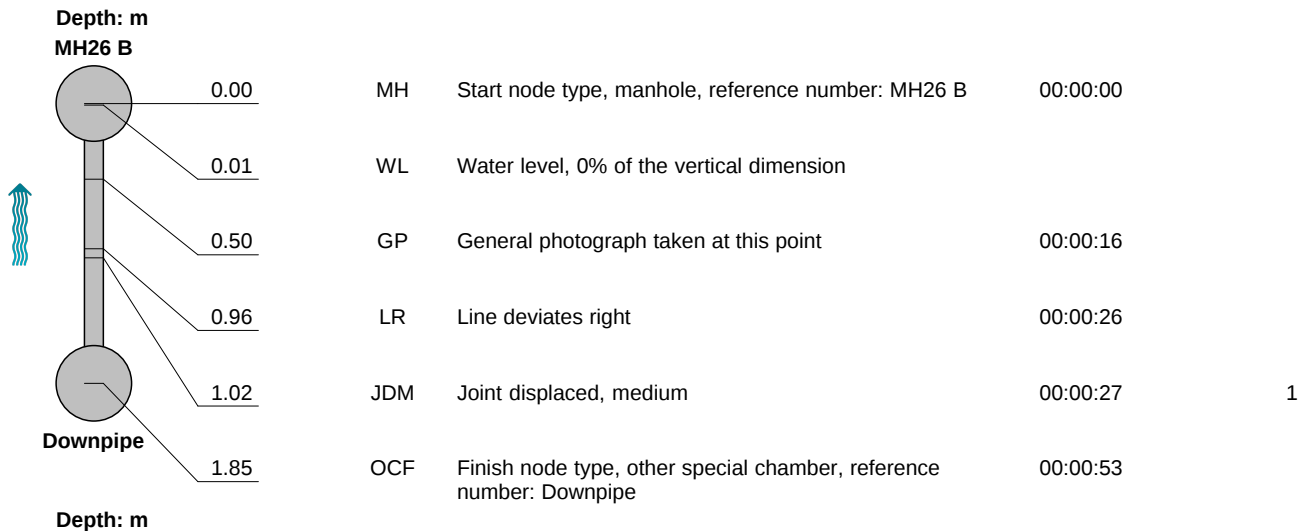
Section 86	Inspection 99	Date 07/06/18	Time 16:06	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE
Road:	St. Mary'S Gate	Inspected Length:	1.85 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	1.85 m	Downstream Node:	MH26 B
Surface Type:	Overgrown	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

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



STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
1	1.0	0.5	1.0	1.0	0	0.0	0.0	0.0	1.0

Section Pictures - 07/06/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
86	Upstream			DIUK-1021



, 00:00:16, 0.50 m
 General photograph taken at this point



, 00:00:16, 0.50 m
 General photograph taken at this point



, 00:00:27, 1.02 m
 Joint displaced, medium



, 00:00:53, 1.85 m
 Finish node type, other special chamber, reference number:
 Downpipe

Section Inspection - 07/06/2018

Section	Inspection	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
87	100	07/06/18	16:12		No Rain Or Snow	No	
Operator		Vehicle		Camera	Preset Length	Criticality Grade	Alternative ID
P K		EY67 OJW		Mini-Cam Solopro+			

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	MH27 X
Road:	St. Mary'S Gate	Inspected Length:	9.91 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	9.91 m	Downstream Node:	MH26 C
Surface Type:	Asphalt Footway	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:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition		Lining Material:	None	

Comments:

Recommendations:

Scale: 1:87	Position [m]	Code	Observation	MPEG	Photo	Grade			
Depth: m MH26 C 0.00 0.01 1.77 4.57 6.00 8.48 9.91 MH27 X Depth: m 0.00 0.01 1.77 4.57 6.00 8.48 9.91 MH WL GP DEZJ GP GP MHF Start node type, manhole, reference number: MH26 C Water level, 5% of the vertical dimension General photograph taken at this point Attached deposits, other at joint from 11 o'clock to 2 o'clock, 5% cross-sectional area loss General photograph taken at this point General photograph taken at this point Finish node type, manhole, reference number: MH27 X 00:00:00 00:00:19 00:00:35 00:00:48 00:01:05 00:01:14 2									
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	1.0	0.1	1.0	2.0

Section Pictures - 07/06/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
87	Upstream			DIUK-1021



, 00:00:19, 1.77 m
 General photograph taken at this point



, 00:00:35, 4.57 m
 Attached deposits, other at joint from 11 o'clock to 2 o'clock,
 5% cross-sectional area loss



, 00:00:48, 6.00 m
 General photograph taken at this point



, 00:01:05, 8.48 m
 General photograph taken at this point

Section Pictures - 07/06/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
87	Upstream			DIUK-1021



, 00:01:14, 9.91 m
 Finish node type, manhole, reference number: MH27 X

Section Inspection - 07/06/2018

Section 88	Inspection 101	Date 07/06/18	Time 16:15	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE
Road:	St. Mary'S Gate	Inspected Length:	1.40 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	1.40 m	Downstream Node:	MH27 A
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:
Recommendations:

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: m MH27 A							

Section Pictures - 07/06/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
88	Upstream			DIUK-1021



, 00:00:07, 0.49 m
 Roots, mass, 10% cross-sectional area loss, start



, 00:00:12, 1.40 m
 Finish node type, other special chamber, reference number:
 Downpipe

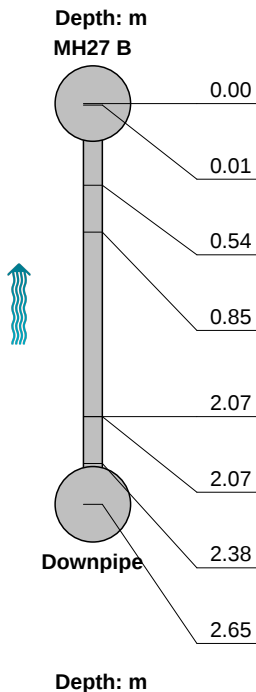
Section Inspection - 07/06/2018

Section	Inspection	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
89	102	07/06/18	16:18		No Rain Or Snow	No	
Operator		Vehicle		Camera	Preset Length	Criticality Grade	Alternative ID
P K		EY67 OJW		Mini-Cam Solopro+			

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE
Road:	St. Mary'S Gate	Inspected Length:	2.65 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	2.65 m	Downstream Node:	MH27 B
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Unidentified type of plastics		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
						
	0.00	MH	Start node type, manhole, reference number: MH27 B	00:00:00		
	0.01	WL	Water level, 5% of the vertical dimension			
	0.54	GP	General photograph taken at this point	00:00:07		
	0.85	LR	Line deviates right	00:00:10		
	2.07	JDM	Joint displaced, medium	00:00:14		1
	2.07	MCVC	Material changes to vitrified clay	00:00:14		
	2.38	LL	Line deviates left	00:00:17		
	2.65	OCF	Finish node type, other special chamber, reference number: Downpipe	00:00:18		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
1	1.0	0.4	1.0	1.0	0	0.0	0.0	0.0	1.0

Section Pictures - 07/06/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
89	Upstream			DIUK-1021



, 00:00:07, 0.54 m
 General photograph taken at this point



, 00:00:14, 2.07 m
 Joint displaced, medium



, 00:00:14, 2.07 m
 Material changes to vitrified clay



, 00:00:18, 2.65 m
 Finish node type, other special chamber, reference number:
 Downpipe

Section Inspection - 08/06/2018

Section	Inspection	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
90	103	08/06/18	8:03		No Rain Or Snow	No	
Operator		Vehicle		Camera	Preset Length	Criticality Grade	Alternative ID
P K		EY67 OJW		Mini-Cam Solopro+			

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	MH28 X
Road:	St. Mary'S Gate	Inspected Length:	4.52 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	4.52 m	Downstream Node:	MH27 C
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

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



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	4.4	20.0	2.0	1	2.0	0.4	2.0	3.0

Section Pictures - 08/06/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
90	Upstream			DIUK-1021



, 00:00:05, 1.04 m
 Roots, mass, 5% cross-sectional area loss



, 00:00:06, 1.34 m
 Crack, circumferential at joint from 12 o'clock to 12 o'clock



, 00:00:12, 2.46 m
 Crack, circumferential at joint from 12 o'clock to 12 o'clock



, 00:00:21, 4.52 m
 Finish node type, manhole, reference number: MH28 X

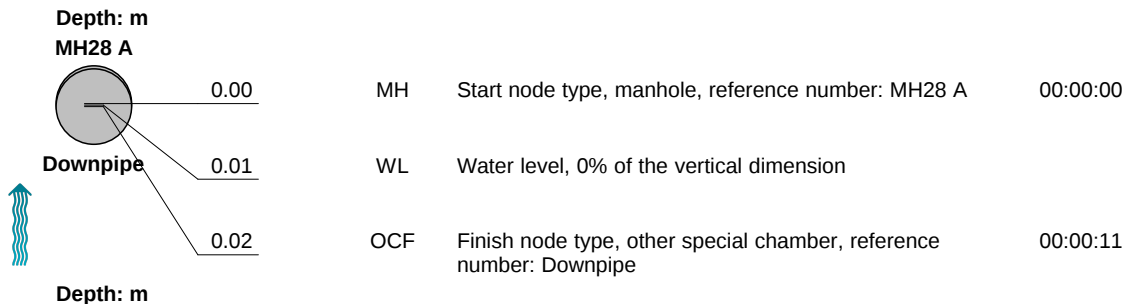
Section Inspection - 08/06/2018

Section 91	Inspection 104	Date 08/06/18	Time 8:17	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE
Road:	St. Mary'S Gate	Inspected Length:	0.02 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	0.02 m	Downstream Node:	MH28 A
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:
Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
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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 - 08/06/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
91	Upstream			DIUK-1021



, 00:00:11, 0.02 m
 Finish node type, other special chamber, reference number:
 Downpipe

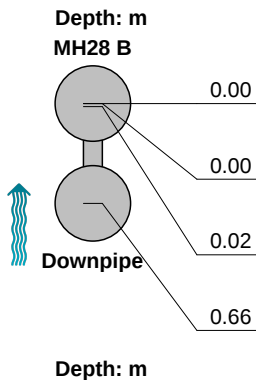
Section Inspection - 08/06/2018

Section 92	Inspection 105	Date 08/06/18	Time 8:38	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE
Road:	St. Mary'S Gate	Inspected Length:	0.66 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	0.66 m	Downstream Node:	MH28 B
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Cast iron		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition		Lining Material:	None	

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: MH28 B	00:00:00		
	0.02	GP	General photograph taken at this point	00:00:03		
	0.66	OCF	Finish node type, other special chamber, reference number: Downpipe: Internal	00:00:27		

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 - 08/06/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
92	Upstream			DIUK-1021



, 00:00:03, 0.02 m
 General photograph taken at this point



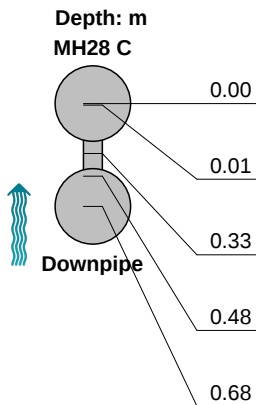
, 00:00:27, 0.66 m
 Finish node type, other special chamber, reference number:
 Downpipe, Internal

Section Inspection - 08/06/2018

Section 93	Inspection 106	Date 08/06/18	Time 8:41	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE
Road:	St. Mary'S Gate	Inspected Length:	0.68 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	0.68 m	Downstream Node:	MH28 C
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:
Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
						
	0.00	MH	Start node type, manhole, reference number: MH28 C	00:00:00		
	0.01	WL	Water level, 0% of the vertical dimension			
	0.33	LL	Line deviates left	00:00:08		
	0.48	MCCI	Material changes to cast iron	00:00:10		
	0.68	OCF	Finish node type, other special chamber, reference number: Downpipe: Internal	00:00:16		

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 - 08/06/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
93	Upstream			DIUK-1021



, 00:00:10, 0.48 m
 Material changes to cast iron



, 00:00:16, 0.68 m
 Finish node type, other special chamber, reference number:
 Downpipe, Internal

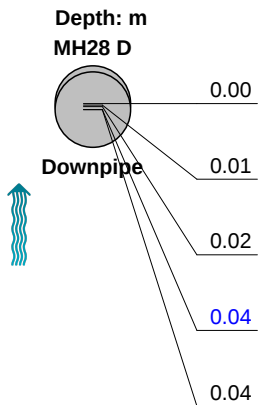
Section Inspection - 08/06/2018

Section	Inspection	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
94	107	08/06/18	8:46		No Rain Or Snow	No	
Operator		Vehicle		Camera	Preset Length	Criticality Grade	Alternative ID
P K		EY67 OJW		Mini-Cam Solopro+			

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE
Road:	St. Mary'S Gate	Inspected Length:	0.04 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	0.04 m	Downstream Node:	MH28 D
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
						
	0.00	MH	Start node type, manhole, reference number: MH28 D	00:00:00		
	0.01	WL	Water level, 0% of the vertical dimension			
	0.02	LU	Line deviates up	00:00:10		
	0.04	DEZ	Attached deposits, other from 4 o'clock to 8 o'clock, 20% cross-sectional area loss	00:00:20		3
	0.04	SA	Survey abandoned: Unable to pass attached deposit	00:00:20		

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	50.0	2.0	3.0

Section Pictures - 08/06/2018

Section 94	Inspection Direction Upstream	PLR	Client's Job Ref	Contractor's Job Ref DIUK-1021
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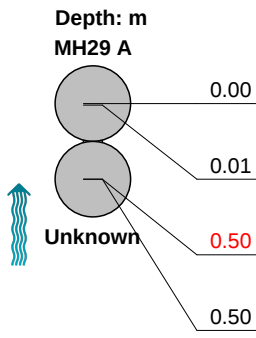
, 00:00:20, 0.04 m
 Attached deposits, other from 4 o'clock to 8 o'clock, 20%
 cross-sectional area loss

Section Inspection - 08/06/2018

Section	Inspection	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
95	108	08/06/18	9:02		No Rain Or Snow	No	
Operator		Vehicle		Camera	Preset Length	Criticality Grade	Alternative ID
P K		EY67 OJW		Mini-Cam Solopro+			

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	UNKNOWN
Road:	St. Mary'S Gate	Inspected Length:	0.50 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	0.50 m	Downstream Node:	MH29 A
Surface Type:	Asphalt Footway	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:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:
Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
						
	0.00	MH	Start node type, manhole, reference number: MH29 A	00:00:00		
	0.01	WL	Water level, 0% of the vertical dimension			
	0.50	XP	Collapsed drain or sewer	00:00:10		5
	0.50	SA	Survey abandoned: Unable to pass collapsed pipe	00:00:10		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
1	165.0	330.0	165.0	5.0	0	0.0	0.0	0.0	1.0

Section Pictures - 08/06/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
95	Upstream			DIUK-1021



, 00:00:10, 0.50 m
 Collapsed drain or sewer

Section Inspection - 08/06/2018

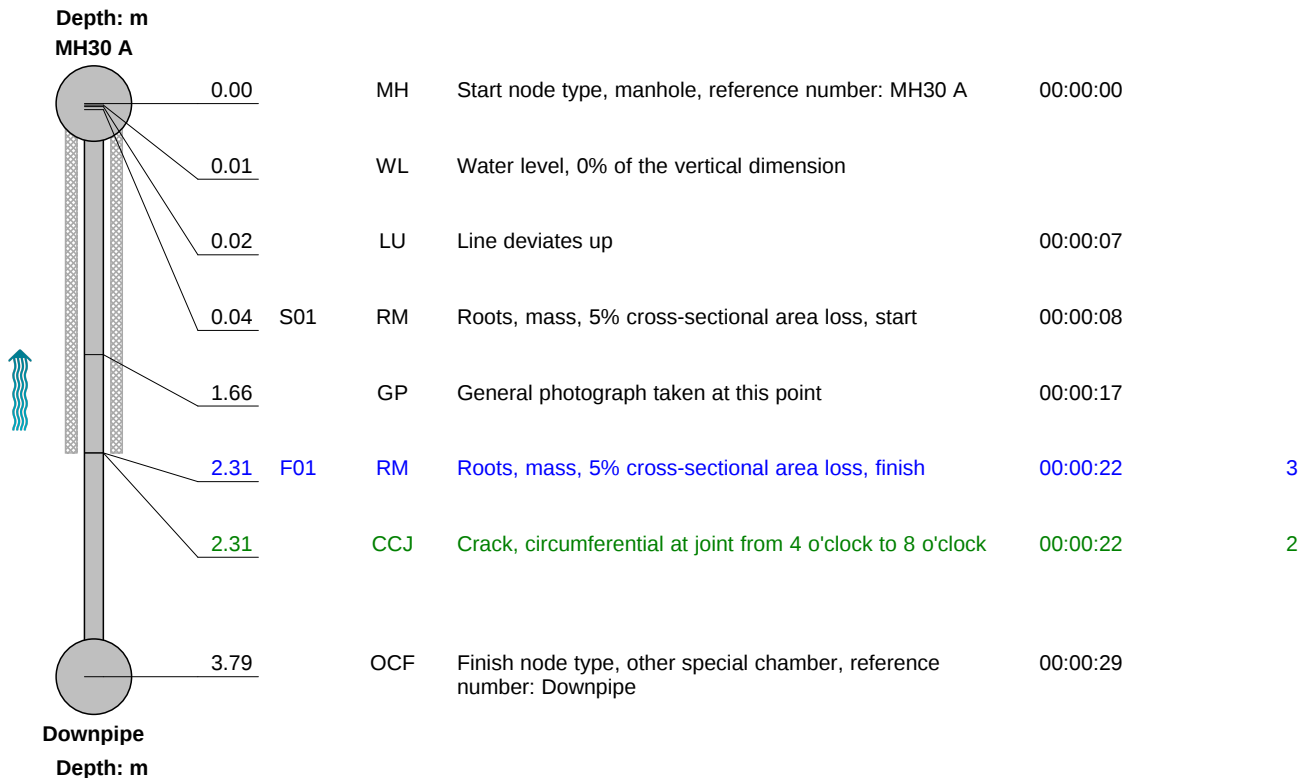
Section 96	Inspection 109	Date 08/06/18	Time 9:11	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE
Road:	St. Mary'S Gate	Inspected Length:	3.79 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	3.79 m	Downstream Node:	MH30 A
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

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



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	2.6	10.0	2.0	1	2.0	0.5	2.0	3.0

Section Pictures - 08/06/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
96	Upstream			DIUK-1021



, 00:00:08, 0.04 m
 Roots, mass, 5% cross-sectional area loss, start



, 00:00:17, 1.66 m
 General photograph taken at this point



, 00:00:22, 2.31 m
 Roots, mass, 5% cross-sectional area loss, finish



, 00:00:22, 2.31 m
 Crack, circumferential at joint from 4 o'clock to 8 o'clock

Section Pictures - 08/06/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
96	Upstream			DIUK-1021



, 00:00:29, 3.79 m
 Finish node type, other special chamber, reference number:
 Downpipe

Section Inspection - 08/06/2018

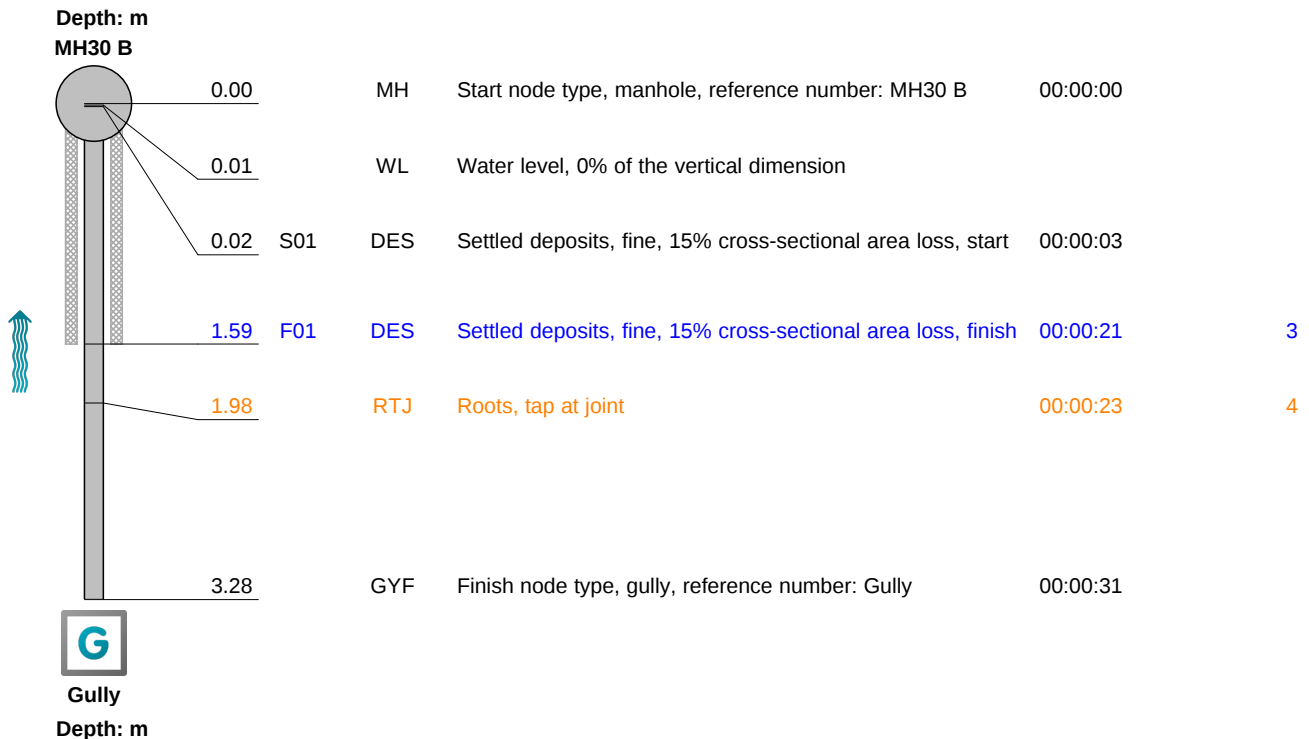
Section 97	Inspection 110	Date 08/06/18	Time 9:21	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	GULLY
Road:	St. Mary'S Gate	Inspected Length:	3.28 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	3.28 m	Downstream Node:	MH30 B
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

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



STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	2	5.0	2.1	7.0	4.0

Section Pictures - 08/06/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
97	Upstream			DIUK-1021



, 00:00:03, 0.02 m
 Settled deposits, fine, 15% cross-sectional area loss, start



, 00:00:21, 1.59 m
 Settled deposits, fine, 15% cross-sectional area loss, finish



, 00:00:23, 1.98 m
 Roots, tap at joint



, 00:00:31, 3.28 m
 Finish node type, gully, reference number: Gully

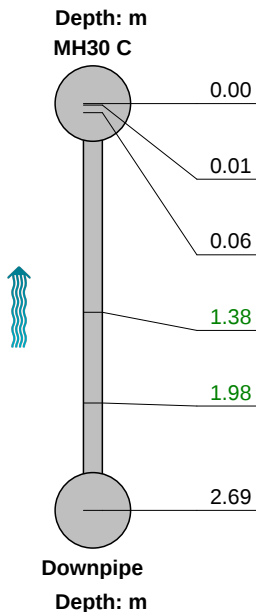
Section Inspection - 08/06/2018

Section	Inspection	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
98	111	08/06/18	9:26		No Rain Or Snow	No	
Operator		Vehicle		Camera	Preset Length	Criticality Grade	Alternative ID
P K		EY67 OJW		Mini-Cam Solopro+			

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE
Road:	St. Mary'S Gate	Inspected Length:	2.69 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	2.69 m	Downstream Node:	MH30 C
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition		Lining Material:	None	

Comments:

Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
						
	0.00	MH	Start node type, manhole, reference number: MH30 C	00:00:00		
	0.01	WL	Water level, 5% of the vertical dimension			
	0.06	LU	Line deviates up	00:00:03		
	1.38	DEEJ	Attached deposits, encrustation at joint from 8 o'clock to 5 o'clock, 5% cross-sectional area loss	00:00:14		2
	1.98	RFJ	Roots, fine at joint	00:00:17		2
	2.69	OCF	Finish node type, other special chamber, reference number: Downpipe	00:00:20		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	2	1.0	0.7	2.0	2.0

Section Pictures - 08/06/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
98	Upstream			DIUK-1021



, 00:00:14, 1.38 m
 Attached deposits, encrustation at joint from 8 o'clock to 5 o'clock, 5% cross-sectional area loss



, 00:00:17, 1.98 m
 Roots, fine at joint

Section Inspection - 08/06/2018

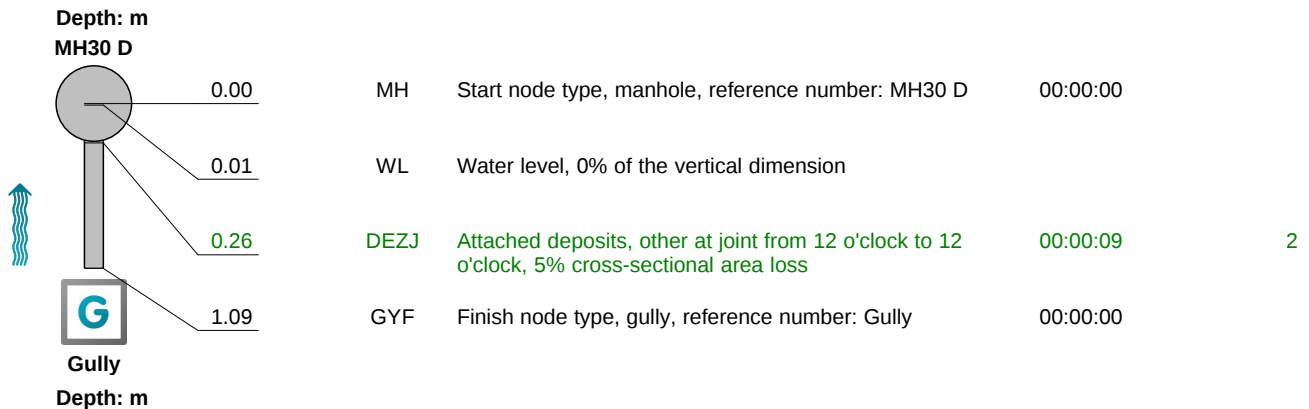
Section 99	Inspection 112	Date 08/06/18	Time 9:35	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	GULLY
Road:	St. Mary'S Gate	Inspected Length:	1.09 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	1.09 m	Downstream Node:	MH30 D
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

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



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	1.0	0.9	1.0	2.0

Section Pictures - 08/06/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
99	Upstream			DIUK-1021



, 00:00:09, 0.26 m
 Attached deposits, other at joint from 12 o'clock to 12 o'clock,
 5% cross-sectional area loss

Section Inspection - 08/06/2018

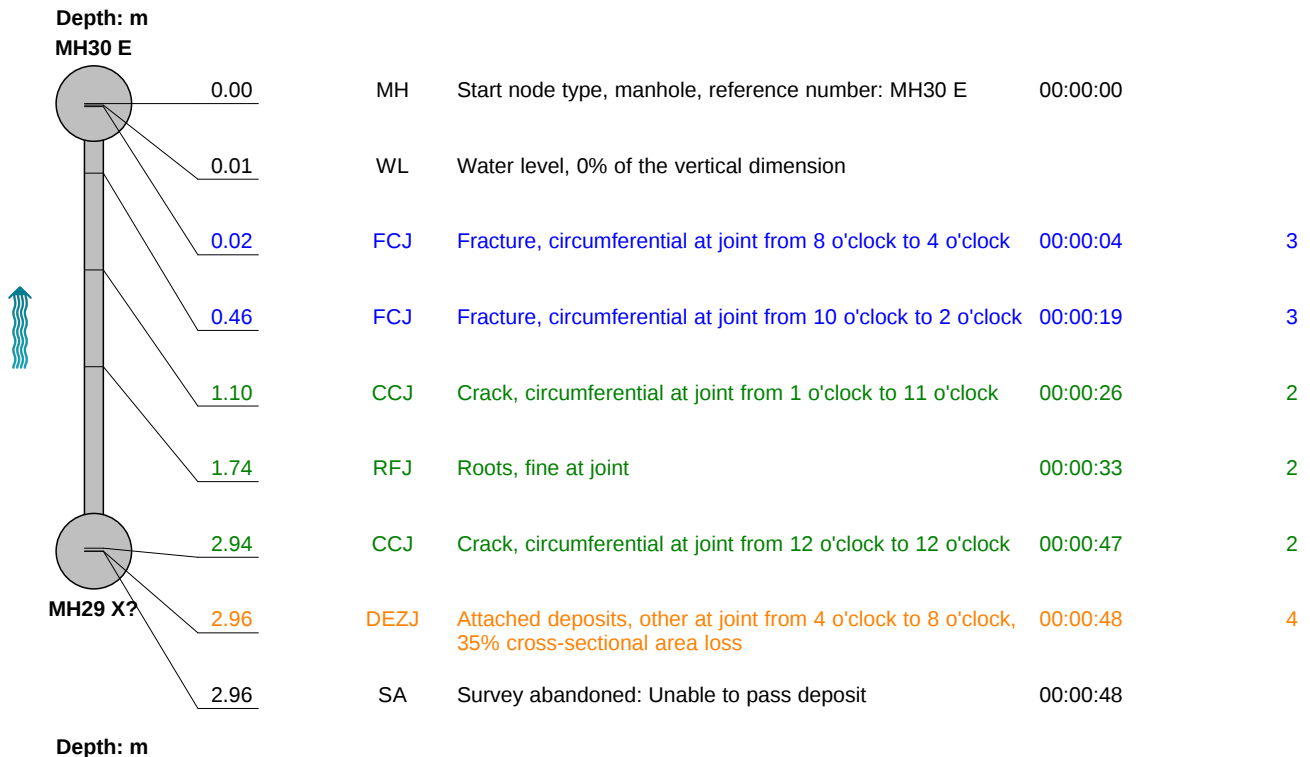
Section 100	Inspection 113	Date 08/06/18	Time 10:38	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	MH29 X?
Road:	St. Mary'S Gate	Inspected Length:	2.96 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	2.96 m	Downstream Node:	MH30 E
Surface Type:	Asphalt Footway	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:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

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



STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
4	40.0	33.8	100.0	3.0	2	5.0	2.0	6.0	4.0

Section Pictures - 08/06/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
100	Upstream			DIUK-1021



, 00:00:04, 0.02 m
 Fracture, circumferential at joint from 8 o'clock to 4 o'clock



, 00:00:19, 0.46 m
 Fracture, circumferential at joint from 10 o'clock to 2 o'clock



, 00:00:26, 1.10 m
 Crack, circumferential at joint from 1 o'clock to 11 o'clock



, 00:00:33, 1.74 m
 Roots, fine at joint

Section Pictures - 08/06/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
100	Upstream			DIUK-1021



, 00:00:47, 2.94 m
 Crack, circumferential at joint from 12 o'clock to 12 o'clock



, 00:00:48, 2.96 m
 Attached deposits, other at joint from 4 o'clock to 8 o'clock,
 35% cross-sectional area loss

Section Inspection - 08/06/2018

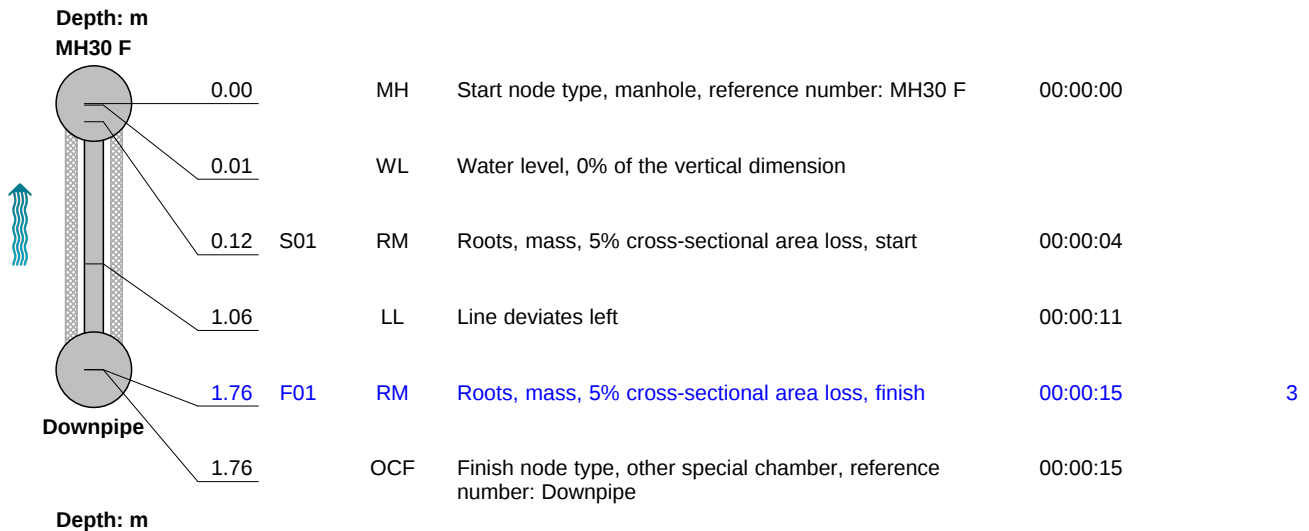
Section	Inspection	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
101	114	08/06/18	11:19		No Rain Or Snow	No	
Operator		Vehicle		Camera	Preset Length	Criticality Grade	Alternative ID
P K		EY67 OJW		Mini-Cam Solopro+			

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE
Road:	St. Mary'S Gate	Inspected Length:	1.76 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	1.76 m	Downstream Node:	MH30 F
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

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



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	1.1	2.0	3.0

Section Pictures - 08/06/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
101	Upstream			DIUK-1021



, 00:00:04, 0.12 m
 Roots, mass, 5% cross-sectional area loss, start

Section Inspection - 08/06/2018

Section	Inspection	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
102	115	08/06/18	11:25		No Rain Or Snow	No	
Operator		Vehicle		Camera	Preset Length	Criticality Grade	Alternative ID
P K		EY67 OJW		Mini-Cam Solopro+			

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	MH30 X
Road:	St. Mary'S Gate	Inspected Length:	7.97 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	7.97 m	Downstream Node:	MH32 A
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Combined	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:70 Position [m] Code Observation MPEG Photo Grade

Depth: m
MH32 A



0.00

MH

Start node type, manhole, reference number: Buried MH

00:00:00

0.01

WL

Water level, 5% of the vertical dimension

1.45

GP

General photograph taken at this point

00:00:10

4.24

GP

General photograph taken at this point

00:00:23

7.97

MHF

Finish node type, manhole, reference number: MH30 X

00:00:43

MH30 X
Depth: m

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 - 08/06/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
102	Upstream			DIUK-1021



, 00:00:10, 1.45 m
 General photograph taken at this point



, 00:00:23, 4.24 m
 General photograph taken at this point



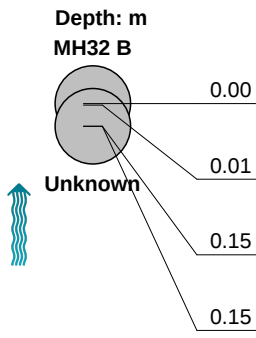
, 00:00:43, 7.97 m
 Finish node type, manhole, reference number: MH30 X

Section Inspection - 08/06/2018

Section 103	Inspection 116	Date 08/06/18	Time 11:39	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	UNKNOWN
Road:	St. Mary'S Gate	Inspected Length:	0.15 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	0.15 m	Downstream Node:	MH32 B
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:
Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
						
	0.00	MH	Start node type, manhole, reference number: MH32 B	00:00:00		
	0.01	WL	Water level, 0% of the vertical dimension			
	0.15	JDL	Joint displaced, large	00:00:00		1
	0.15	SA	Survey abandoned: Unable to pass displaced joint	00:00:00		

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	13.3	2.0	1.0	0	0.0	0.0	0.0	1.0

Section Pictures - 08/06/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
103	Upstream			DIUK-1021



, 00:00:00, 0.15 m
 Joint displaced, large



, 00:00:00, 0.15 m
 Survey abandoned, Unable to pass displaced joint

Section Inspection - 08/06/2018

Section 104	Inspection 117	Date 08/06/18	Time 11:55	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	GULLY
Road:	St. Mary'S Gate	Inspected Length:	6.49 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	6.49 m	Downstream Node:	MH32 C
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:57 Position [m] Code Observation MPEG Photo Grade

Depth: m
MH32 C



0.00

MH

Start node type, manhole, reference number: MH32 C

00:00:00

0.01

WL

Water level, 0% of the vertical dimension

0.54

LL

Line deviates left

00:00:08

2.81

GP

General photograph taken at this point

00:00:14

5.91

GP

General photograph taken at this point

00:00:26

6.49

GYF

Finish node type, gully, reference number: Gully

00:00:29



Gully
Depth: m

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 - 08/06/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
104	Upstream			DIUK-1021



, 00:00:14, 2.81 m
 General photograph taken at this point



, 00:00:26, 5.91 m
 General photograph taken at this point



, 00:00:29, 6.49 m
 Finish node type, gully, reference number: Gully

Section Inspection - 08/06/2018

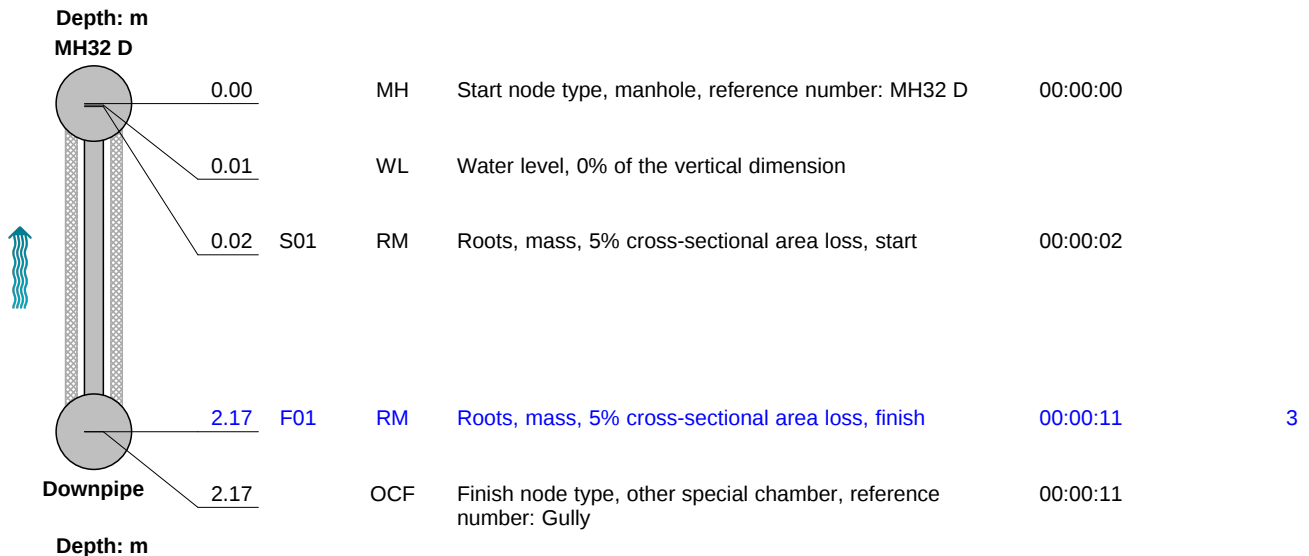
Section 105	Inspection 118	Date 08/06/18	Time 11:58	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE
Road:	St. Mary'S Gate	Inspected Length:	2.17 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	2.17 m	Downstream Node:	MH32 D
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

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



STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	1	2.0	0.9	2.0	3.0

Section Pictures - 08/06/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
105	Upstream			DIUK-1021



, 00:00:02, 0.02 m
 Roots, mass, 5% cross-sectional area loss, start

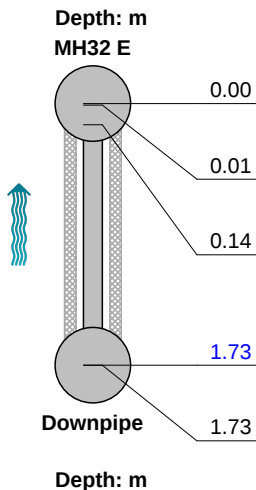
Section Inspection - 08/06/2018

Section 106	Inspection 119	Date 08/06/18	Time 12:04	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE
Road:	St. Mary'S Gate	Inspected Length:	1.73 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	1.73 m	Downstream Node:	MH32 E
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
						
	0.00	MH	Start node type, manhole, reference number: MH32 E	00:00:00		
	0.01	WL	Water level, 0% of the vertical dimension			
	0.14	S01	RM Roots, mass, 5% cross-sectional area loss, start	00:00:04		
	1.73	F01	RM Roots, mass, 5% cross-sectional area loss, finish	00:00:14		3
	1.73	OCF	Finish node type, other special chamber, reference number: Downpipe	00:00:14		

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	1.2	2.0	3.0

Section Pictures - 08/06/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
106	Upstream			DIUK-1021



, 00:00:04, 0.14 m
 Roots, mass, 5% cross-sectional area loss, start

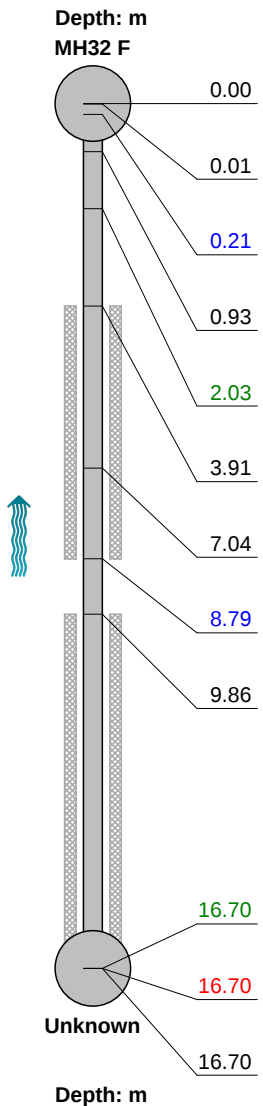
Section Inspection - 08/06/2018

Section	Inspection	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
107	120	08/06/18	12:07		No Rain Or Snow	No	
Operator		Vehicle		Camera	Preset Length	Criticality Grade	Alternative ID
P K		EY67 OJW		Mini-Cam Solopro+			

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	UNKNOWN
Road:	St. Mary'S Gate	Inspected Length:	16.70 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	16.70 m	Downstream Node:	MH32 F
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:146	Position [m]	Code	Observation	MPEG	Photo	Grade
						
	0.00	MH	Start node type, manhole, reference number: MH32 F	00:00:00		
	0.01	WL	Water level, 0% of the vertical dimension			
	0.21	RMJ	Roots, mass at joint, 5% cross-sectional area loss	00:00:11		3
	0.93	LL	Line deviates left	00:00:16		
	2.03	RFJ	Roots, fine at joint	00:00:26		2
	3.91	S01 RM	Roots, mass, 5% cross-sectional area loss, start	00:00:35		
	7.04	LR	Line deviates right	00:00:43		
	8.79	F01 RM	Roots, mass, 5% cross-sectional area loss, finish	00:00:52		3
	9.86	S02 DES	Settled deposits, fine, 5% cross-sectional area loss, start	00:00:55		
	16.70	F02 DES	Settled deposits, fine, 5% cross-sectional area loss, finish	00:01:21		2
	16.70	XP	Collapsed drain or sewer	00:01:21		5
	16.70	SA	Survey abandoned: Unable to pass collapsed pipe	00:01:21		

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
1	165.0	9.9	165.0	5.0	4	2.0	0.4	6.0	3.0

Section Pictures - 08/06/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
107	Upstream			DIUK-1021



, 00:00:11, 0.21 m
 Roots, mass at joint, 5% cross-sectional area loss



, 00:00:26, 2.03 m
 Roots, fine at joint



, 00:00:35, 3.91 m
 Roots, mass, 5% cross-sectional area loss, start



, 00:00:55, 9.86 m
 Settled deposits, fine, 5% cross-sectional area loss, start

Section Pictures - 08/06/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
107	Upstream			DIUK-1021



, 00:01:21, 16.70 m
 Collapsed drain or sewer

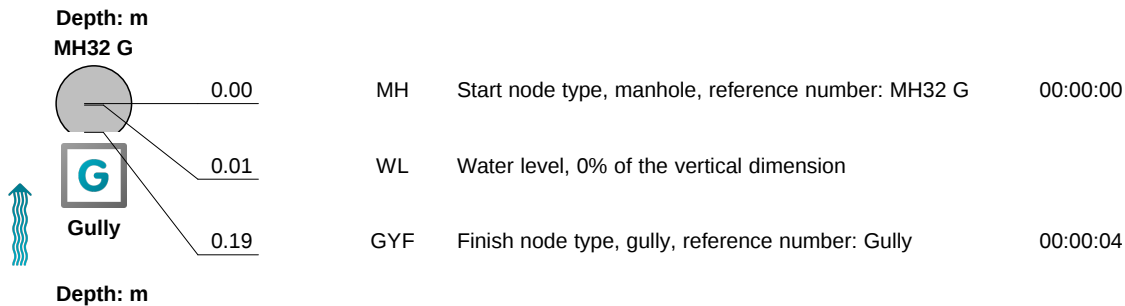
Section Inspection - 08/06/2018

Section 108	Inspection 121	Date 08/06/18	Time 12:21	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	GULLY
Road:	St. Mary'S Gate	Inspected Length:	0.19 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	0.19 m	Downstream Node:	MH32 G
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:
Recommendations:

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
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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 - 08/06/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
108	Upstream			DIUK-1021



, 00:00:04, 0.19 m
 Finish node type, gully, reference number: Gully

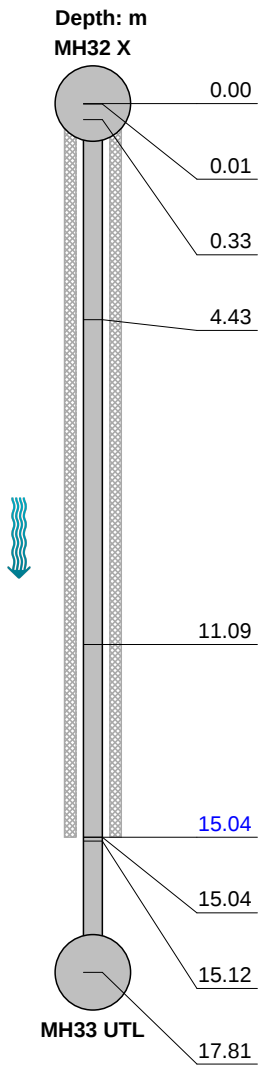
Section Inspection - 08/06/2018

Section 109	Inspection 122	Date 08/06/18	Time 12:23	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Downstream	Upstream Node:	MH32 X
Road:	St. Mary'S Gate	Inspected Length:	17.81 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	17.81 m	Downstream Node:	MH33 UTL
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Combined	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:155	Position [m]	Code	Observation	MPEG	Photo	Grade
						
Depth: m						
MH32 X						
0.00		MH	Start node type, manhole, reference number: MH32 X	00:00:00		
0.01		WL	Water level, 5% of the vertical dimension			
0.33	S01	RM	Roots, mass, 5% cross-sectional area loss, start	00:00:04		
4.43		GP	General photograph taken at this point	00:00:15		
11.09		GP	General photograph taken at this point	00:00:35		
15.04	F01	RM	Roots, mass, 5% cross-sectional area loss, finish	00:01:07		3
15.04		REM	General remark: Camera passes through buried MH	00:01:07		
15.12		MCCI	Material changes to cast iron	00:01:38		
MH33 UTL						
17.81		MHF	Finish node type, manhole, reference number: MH33 UTL	00:01:49		
Depth: m						

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	1	2.0	0.1	2.0	3.0

Section Pictures - 08/06/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
109	Downstream			DIUK-1021



, 00:00:04, 0.33 m
 Roots, mass, 5% cross-sectional area loss, start



, 00:00:15, 4.43 m
 General photograph taken at this point



, 00:00:35, 11.09 m
 General photograph taken at this point



, 00:01:07, 15.04 m
 General remark, Camera passes through buried MH

Section Pictures - 08/06/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
109	Downstream			DIUK-1021



, 00:01:38, 15.12 m
 Material changes to cast iron



, 00:01:49, 17.81 m
 Finish node type, manhole, reference number: MH33 UTL

Section Inspection - 08/06/2018

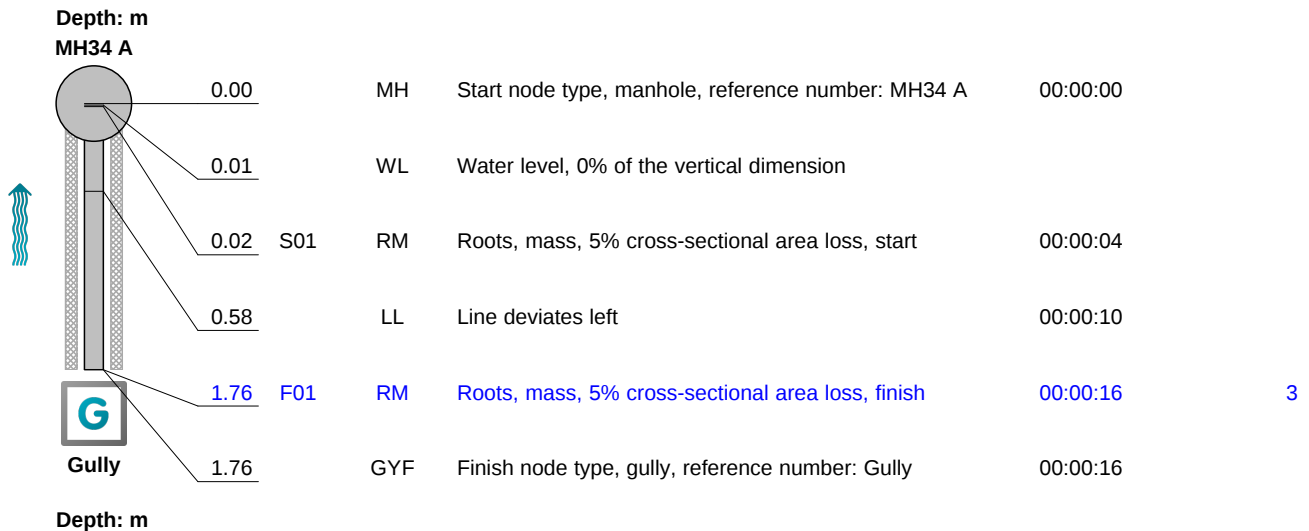
Section	Inspection	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
110	123	08/06/18	12:47		No Rain Or Snow	No	
Operator		Vehicle		Camera	Preset Length	Criticality Grade	Alternative ID
P K		EY67 OJW		Mini-Cam Solopro+			

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	GULLY
Road:	St. Mary'S Gate	Inspected Length:	1.76 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	1.76 m	Downstream Node:	MH34 A
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

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



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	1.1	2.0	3.0

Section Pictures - 08/06/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
110	Upstream			DIUK-1021



, 00:00:04, 0.02 m
 Roots, mass, 5% cross-sectional area loss, start

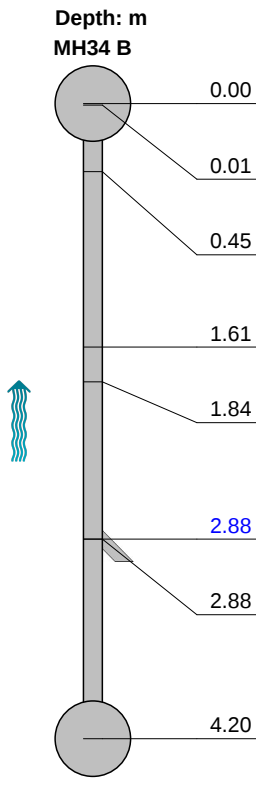
Section Inspection - 08/06/2018

Section	Inspection	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
111	124	08/06/18	13:27		No Rain Or Snow	No	
Operator		Vehicle		Camera	Preset Length	Criticality Grade	Alternative ID
P K		EY67 OJW		Mini-Cam Solopro+			

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE
Road:	St. Mary'S Gate	Inspected Length:	4.20 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	4.20 m	Downstream Node:	MH34 B
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
						
Depth: m	0.00	MH	Start node type, manhole, reference number: MH34 B	00:00:00		
MH34 B	0.01	WL	Water level, 0% of the vertical dimension			
	0.45	LU	Line deviates up	00:00:06		
	1.61	REM	General remark: Sewer levels out at this point	00:00:14		
	1.84	GP	General photograph taken at this point	00:00:17		
	2.88	RM	Roots, mass, 5% cross-sectional area loss	00:00:22		3
	2.88	JN	Junction at 10 o'clock, diameter: 100mm	00:00:22		
	4.20	OCF	Finish node type, other special chamber, reference number: Downpipe	00:00:36		
Downpipe						
Depth: m						

STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	1	2.0	0.5	2.0	3.0

Section Pictures - 08/06/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
111	Upstream			DIUK-1021



, 00:00:14, 1.61 m
 General remark, Sewer levels out at this point



, 00:00:17, 1.84 m
 General photograph taken at this point



, 00:00:22, 2.88 m
 Roots, mass, 5% cross-sectional area loss



, 00:00:22, 2.88 m
 Junction at 10 o'clock, diameter: 100mm

Section Inspection - 08/06/2018

Section 112	Inspection 125	Date 08/06/18	Time 13:36	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE
Road:	St. Mary'S Gate	Inspected Length:	4.24 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	4.24 m	Downstream Node:	MH34 C
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

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



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	1.0	0.2	1.0	2.0

Section Pictures - 08/06/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
112	Upstream			DIUK-1021



, 00:00:11, 1.33 m
 General remark, Sewer levels out at this point



, 00:00:15, 2.54 m
 Roots, fine at joint

Section Inspection - 08/06/2018

Section	Inspection	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
113	126	08/06/18	13:40		No Rain Or Snow	No	
Operator		Vehicle		Camera	Preset Length	Criticality Grade	Alternative ID
P K		EY67 OJW		Mini-Cam Solopro+			

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE
Road:	St. Mary'S Gate	Inspected Length:	2.56 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	2.56 m	Downstream Node:	MH34 D
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:
Recommendations:

Scale: 1:50

Position [m]

Code

Observation

MPEG

Photo

Grade

Depth: m

MH34 D

0.00

0.01

0.64

1.13

1.13

2.56

Downpipe

Depth: m

0.00

0.01

0.64

1.13

1.13

2.56

MH

WL

GP

DEXJ

JN

OCF

Start node type, manhole, reference number: MH34 D

Water level, 0% of the vertical dimension

General photograph taken at this point

Settled deposits, other at joint, 5% cross-sectional area loss

Junction at 9 o'clock, diameter: 100mm

Finish node type, other special chamber, reference number: Downpipe

00:00:00

00:00:08

00:00:13

00:00:13

00:00:25

2

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	1.0	0.4	1.0	2.0

Section Pictures - 08/06/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
113	Upstream			DIUK-1021



, 00:00:08, 0.64 m
 General photograph taken at this point



, 00:00:08, 0.64 m
 General photograph taken at this point



, 00:00:13, 1.13 m
 Settled deposits, other at joint, 5% cross-sectional area loss



, 00:00:13, 1.13 m
 Junction at 9 o'clock, diameter: 100mm

Section Inspection - 08/06/2018

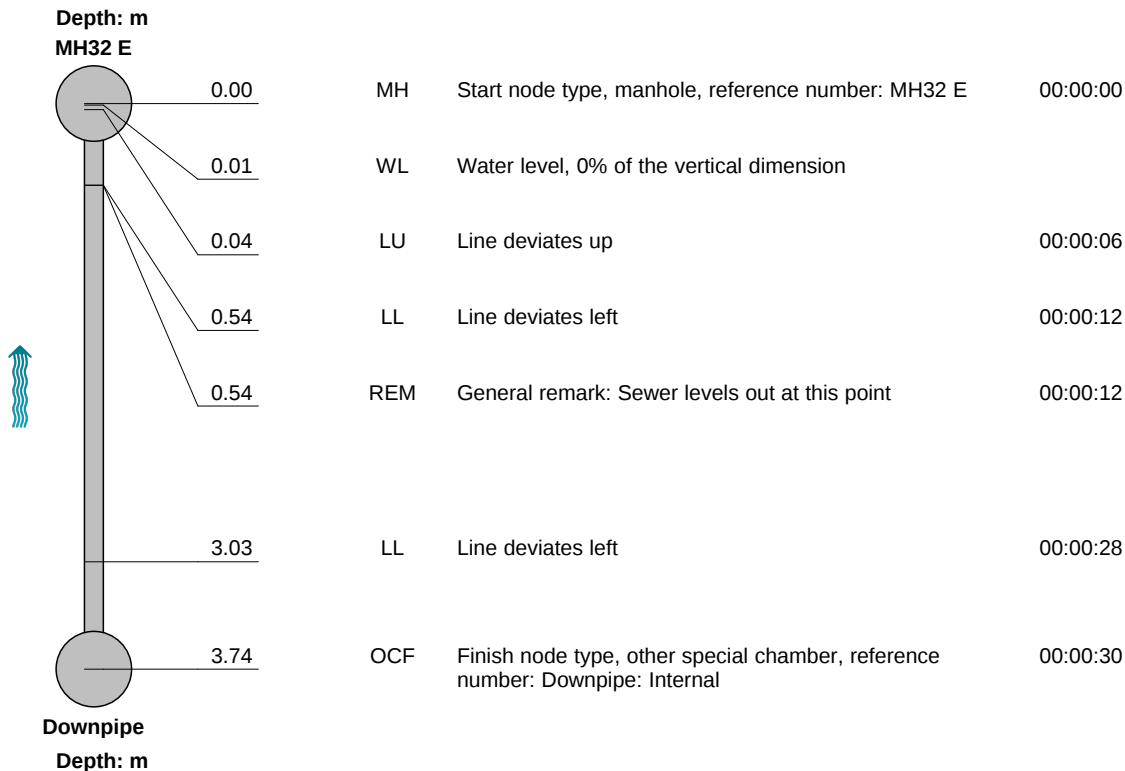
Section 114	Inspection 127	Date 08/06/18	Time 13:48	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE
Road:	St. Mary'S Gate	Inspected Length:	3.74 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	3.74 m	Downstream Node:	MH32 E
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

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



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 - 08/06/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
114	Upstream			DIUK-1021



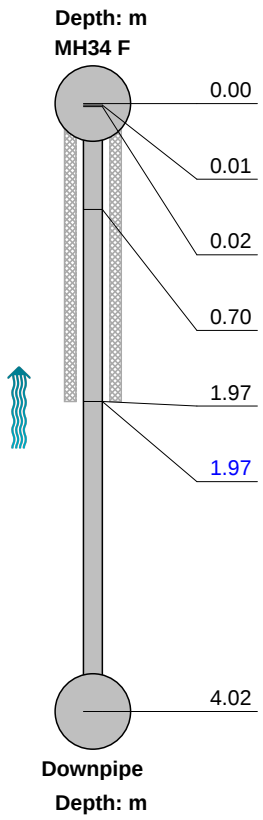
, 00:00:12, 0.54 m
 General remark, Sewer levels out at this point

Section Inspection - 08/06/2018

Section 115	Inspection 128	Date 08/06/18	Time 13:53	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	DOWNPIPE
Road:	St. Mary'S Gate	Inspected Length:	4.02 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	4.02 m	Downstream Node:	MH34 F
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:
Recommendations:

Scale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
						
	0.00	MH	Start node type, manhole, reference number: MH34 F	00:00:00		
	0.01	WL	Water level, 0% of the vertical dimension			
	0.02	S01 RM	Roots, mass, 5% cross-sectional area loss, start	00:00:02		
	0.70	LU	Line deviates up	00:00:10		
	1.97	REM	General remark: Sewer levels out at this point	00:00:19		
	1.97	F01 RM	Roots, mass, 5% cross-sectional area loss, finish	00:00:19		3
	4.02	OCF	Finish node type, other special chamber, reference number: Downpipe: Internal	00:00:27		
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak
0	0.0	0.0	0.0	1.0	1	2.0
						SER Mean
						0.5
						SER Total
						2.0
						SER Grade
						3.0

Section Pictures - 08/06/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
115	Upstream			DIUK-1021



, 00:00:02, 0.02 m
 Roots, mass, 5% cross-sectional area loss, start



, 00:00:19, 1.97 m
 General remark, Sewer levels out at this point

Section Inspection - 08/06/2018

Section 116	Inspection 129	Date 08/06/18	Time 13:57	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Upstream	Upstream Node:	UNKNOWN
Road:	St. Mary'S Gate	Inspected Length:	3.62 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	3.62 m	Downstream Node:	MH34 G
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

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



STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
1	1.0	0.3	1.0	1.0	1	1.0	0.3	1.0	2.0

Section Pictures - 08/06/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
116	Upstream			DIUK-1021



, 00:00:03, 0.02 m
 Settled deposits, fine, 5% cross-sectional area loss, start



, 00:00:20, 3.62 m
 Survey abandoned, Unable to pass displaced joint

Section Inspection - 08/06/2018

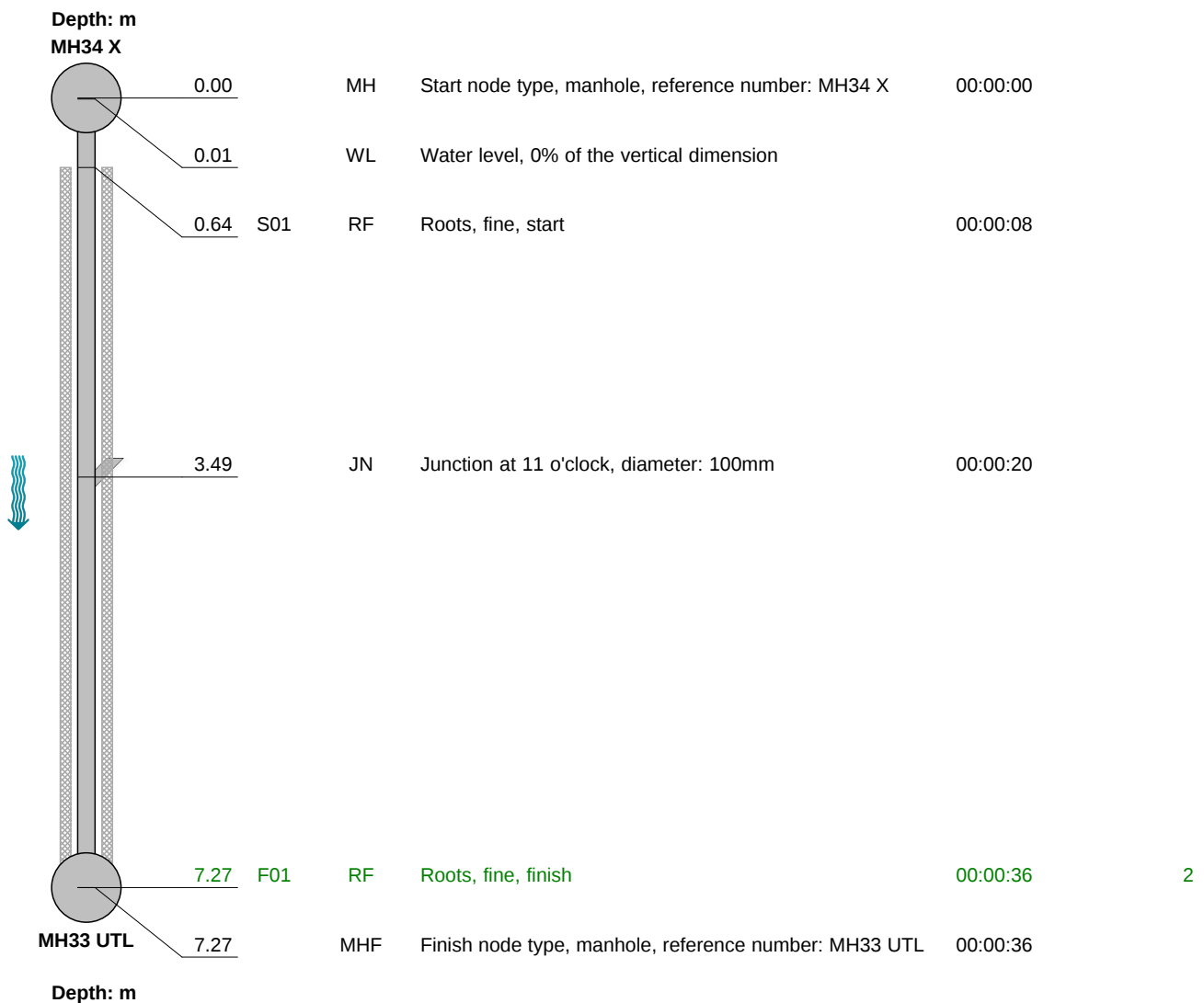
Section 117	Inspection 130	Date 08/06/18	Time 14:03	Client's Job Ref	Weather No Rain Or Snow	Pre Cleaned No	PLR
Operator P K		Vehicle EY67 OJW		Camera Mini-Cam Solopro+	Preset Length	Criticality Grade	Alternative ID

Town or Village:	Derby	Inspection Direction:	Downstream	Upstream Node:	MH34 X
Road:	St. Mary'S Gate	Inspected Length:	7.27 m	Upstream Pipe Depth:	
Location:	Property with buildings	Total Length:	7.27 m	Downstream Node:	MH33 UTL
Surface Type:	Asphalt Footway	Joint Length:	0.00 m	Downstream Pipe Depth:	
Use:	Combined	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Year Constructed:		Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Flow Control:	No flow control	Lining Type:	None		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	None		

Comments:

Recommendations:

Scale: 1:64 Position [m] Code Observation MPEG Photo Grade



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	1.0	0.1	1.0	2.0

Section Pictures - 08/06/2018

Section	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
117	Downstream			DIUK-1021



, 00:00:08, 0.64 m
 Roots, fine, start



, 00:00:20, 3.49 m
 Junction at 11 o'clock, diameter: 100mm



, 00:00:36, 7.27 m
 Finish node type, manhole, reference number: MH33 UTL