

Appendix E - CCTV Survey

Reference	Title
LITTLE LEVEL - RADCLIFFE 000518	CCTV Survey Report



LAYER SURVEYS LTD

SEE THE COMPLETE PICTURE

LAYER SURVEYS

20 THE VINERY

NEW LONGTON

Tel: 01772611634

Fax: 01772611634

Email: darren@layersurveys.co.uk

Project-information

Project name :
LITTLE LEVER - RADCLIFFE 00051

Project Number :

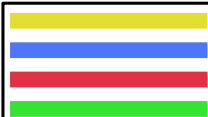
Contact :

Date :
08-Sep-20

Client: **JRA**
Contact Name: **JOHN ROBINSON**
Department: **N/A**
Road: **MAIN STREET**
Town: **ASHBY ST LEDGERS**
County: **WARWICKSHIRE**
Telephone: **02475270126**
Fax: **02475270126**
Mobile: **07860 833641**
E-mail: **john.robinson@jrassoc.co.uk**

Site: **LITTLE LEVER**
Contact Name: **JOHN ROBINSON**
Department: **N/A**
Road: **STOPES ROAD**
Town: **RADCLIFFE**
County: **GTR MANCHESTER**
Telephone: **024 7527 0126**
Fax: **024 7527 0126**
Mobile: **07860 833641**
E-mail: **john.robinson@jrassoc.co.uk**

Contractor: **LAYER SURVEYS**
Contact Name: **DARREN WEBSTER**
Department: **DIRECTOR**
Road: **20 THE VINERY**
Town: **NEW LONGTON**
County: **PRESTON**
Telephone: **01772611634**
Fax: **01772611634**
Mobile: **07341953636**
E-mail: **darren@layersurveys.co.uk**



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20 THE VINERY
Street : NEW LONGTON
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Fax: 01772611634

Email: darren@layersurveys.co.uk

Inspection report

Date : 08-Sep-20	Job number :	Section Type :	Operator : LEE MORTON	Section number : 1	PLR SUFFIX: X
Weather rain	Vehicle : AE 19 KCU	Camera : camera 2	Preset :	Cleaned : no	Type of Drain : Gravity drain/sewer

Place : Road : Location Inspection	RADCLIFFE STOPES ROAD Property with buildings S 14 (U/S) S 13	Location details: Catchment: Pipe Shape : Pipe Length	Circular	U/S MH : U/S Depth : D/S MH : D/S Depth :	S 13 1.92 S 14 3.28
Use: Year laid : Purpose : Total length :	Surface water Investment planning 30.61 m	Pipe Width : Pipe Diameter : Pipe material : Lining :	 450 mm Concrete		

Comment :

1:255 Position

Depth: 3.28

Observation

S 14

0.03

Water level, 5% of the vertical dimension

7.22

Crack, longitudinal at joint, at 2 o'clock

17.99

Settled deposits, coarse, 10% cross-sectional area loss

30.61

Settled deposits, coarse, 10% cross-sectional area loss

30.61

Survey abandoned



7.22 m



17.99 m



30.61 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	0.33	10	2	2	2	0.13	4	3



Inspection pictures

Place : RADCLIFFE	Road : STOPES ROAD	Date : 08-Sep-20	Section number : 1	PLR Suffix : X
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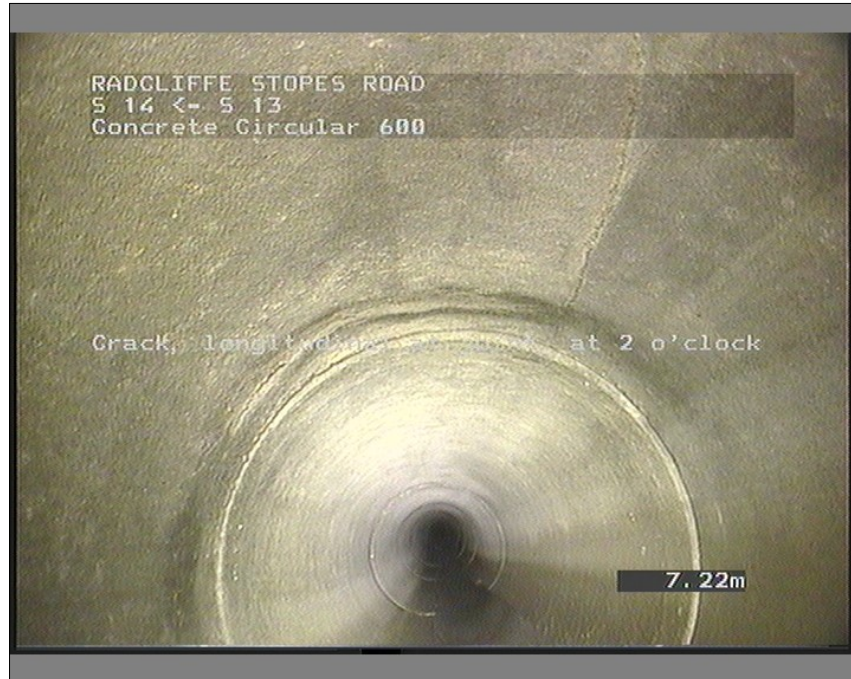


Photo: 1_1_3_A.JPG
7.22m, Crack, longitudinal at joint, at 2 o'clock



Photo: 1_1_4_A.JPG
17.99m, Settled deposits, coarse, 10% cross-sectional area loss



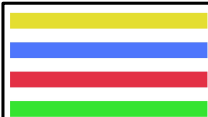
Inspection pictures

Place : RADCLIFFE	Road : STOPES ROAD	Date : 08-Sep-20	Section number : 1	PLR Suffix : X
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Photo: 1_1_5_A.JPG

30.61m, Settled deposits, coarse, 10% cross-sectional area loss



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Inspection report

Date : 08-Sep-20	Job number :	Section Type :	Operator : LEE MORTON	Section number : 2	PLR SUFFIX: X
Weather rain	Vehicle : AE 19 KCU	Camera : camera 2	Preset :	Cleaned : no	Type of Drain : Gravity drain/sewer

Place : Road : Location Inspection	RADCLIFFE STOPES ROAD Property with buildings S 14 (D/S) S 15	Location details: Catchment: Pipe Shape : Pipe Length	Circular	U/S MH : U/S Depth : D/S MH : D/S Depth :	S 14 3.28 S 15 4.03
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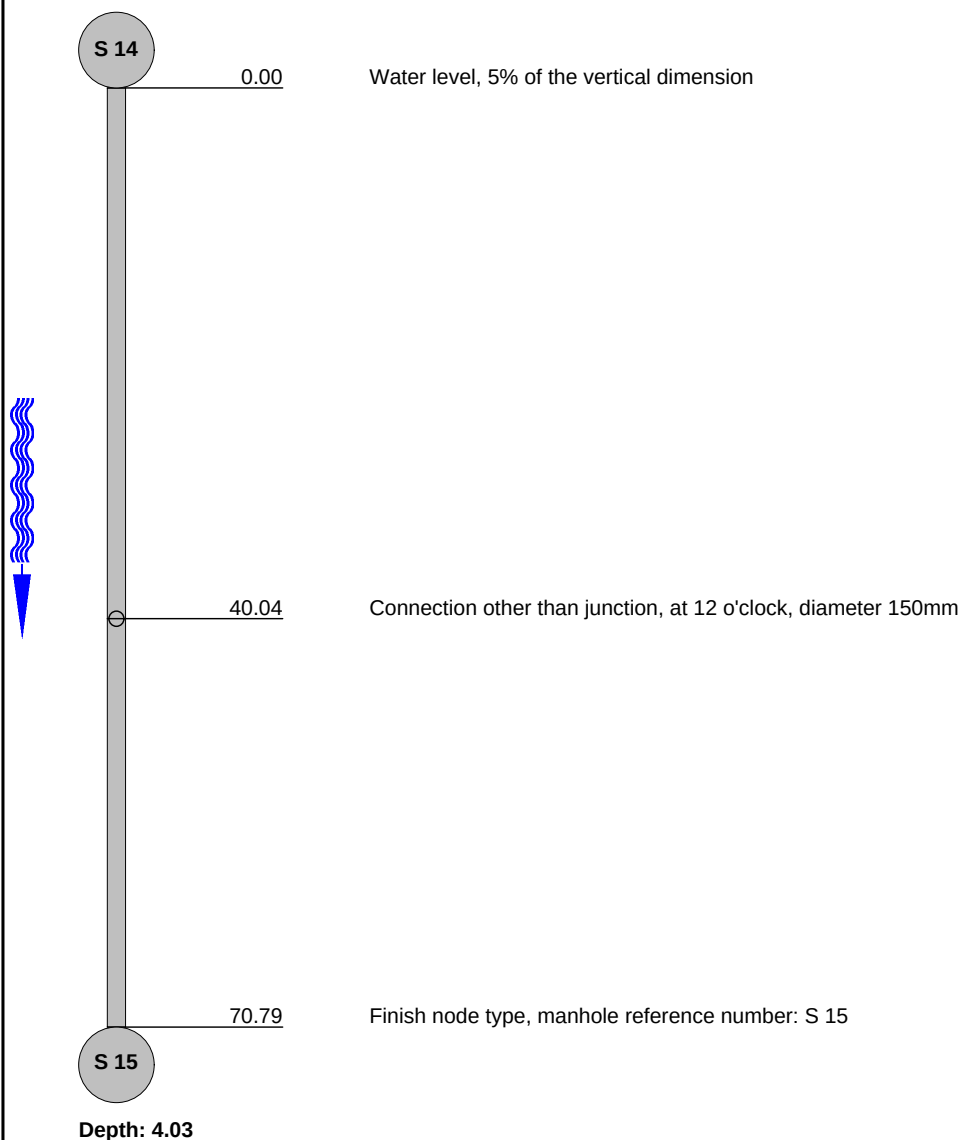
Use: Year laid : Purpose : Total length :	Surface water Investment planning 70.79 m	Pipe Width : Pipe Diameter : Pipe material : Lining :	 450 mm Concrete
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Comment :

1:570 Position

Depth: 3.28

Observation



40.04 m



70.79 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	1	0	0	0	0	1



Inspection pictures

Place : RADCLIFFE	Road : STOPES ROAD	Date : 08-Sep-20	Section number : 2	PLR Suffix : X
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Photo: 3_3_8_A.JPG

40.04m, Connection other than junction, at 12 o'clock, diameter 150mm



Photo: 3_3_9_A.JPG

70.79m, Finish node type, manhole reference number: S 15



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Inspection report

Date : 08-Sep-20	Job number :	Section Type :	Operator : LEE MORTON	Section number : 3	PLR SUFFIX: X
Weather rain	Vehicle : AE 19 KCU	Camera : camera 2	Preset :	Cleaned : no	Type of Drain : Gravity drain/sewer

Place : Road : Location Inspection	RADCLIFFE STOPES ROAD Property with buildings S 15 (D/S) S 16	Location details: Catchment: Pipe Shape : Pipe Length	Circular	U/S MH : U/S Depth : D/S MH : D/S Depth :	S 15 4.03 S 16
Use: Year laid : Purpose : Total length :	Surface water Investment planning 42.64 m	Pipe Width : Pipe Diameter : Pipe material : Lining :	 450 mm Concrete		

Comment :

1:345 Position

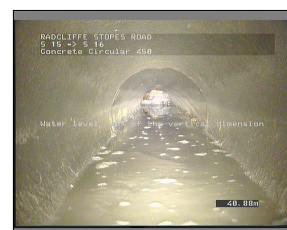
Depth: 4.03

Observation

S 15

0.00

Water level, 5% of the vertical dimension



40.88 m



42.64 m



42.64 m

40.88

Water level, 20% of the vertical dimension

42.64

Other obstacles, brick or masonry in invert, from 12 to 12 o'clock, 80% cross-sectional area loss

42.64

Survey abandoned

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	1	1	10	0.23	10	5



Inspection pictures

Place : RADCLIFFE	Road : STOPES ROAD	Date : 08-Sep-20	Section number : 3	PLR Suffix : X
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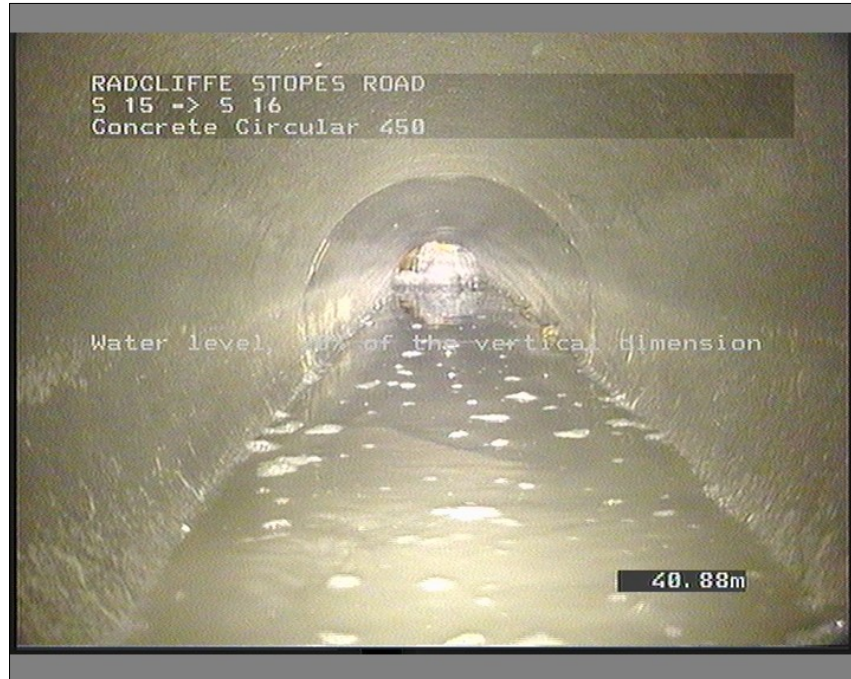


Photo: 4_4_11_A.JPG
40.88m, Water level, 20% of the vertical dimension

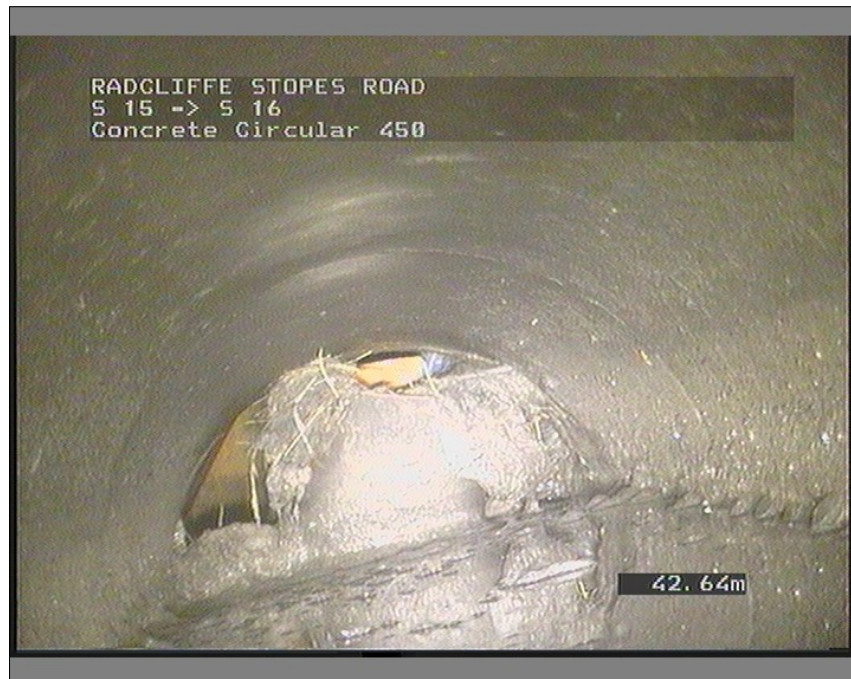


Photo: 4_4_13_A.JPG
42.64m, Other obstacles, brick or masonry in invert, from 12 to 12 o'clock, 80% cross-sectional area loss

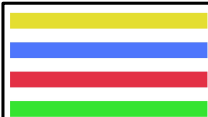


Inspection pictures

Place : RADCLIFFE	Road : STOPES ROAD	Date : 08-Sep-20	Section number : 3	PLR Suffix : X
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Photo: 4_4_14_A.JPG
42.64m, Survey abandoned



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Inspection report

Date : 08-Sep-20	Job number :	Section Type :	Operator : LEE MORTON	Section number : 4	PLR SUFFIX: X
Weather rain	Vehicle : AE 19 KCU	Camera : camera 2	Preset :	Cleaned : no	Type of Drain : Gravity drain/sewer

Place : Road : Location Inspection	RADCLIFFE STOPES ROAD Property with buildings S 13 (D/S) S 14	Location details: Catchment: Pipe Shape : Pipe Length	Circular	U/S MH : U/S Depth : D/S MH : D/S Depth :	S 13 1.92 S 14 3.28
Use: Year laid : Purpose : Total length :	Surface water Investment planning 35.21 m	Pipe Width : Pipe Diameter : Pipe material : Lining :	 450 mm Concrete		

Comment :

1:285 Position

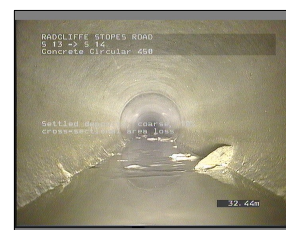
Depth: 1.92

Observation

S 13

0.00

Water level, 5% of the vertical dimension



32.44 m



35.21 m

32.44

Settled deposits, coarse, 10% cross-sectional area loss

35.21

Finish node type, other special chamber reference number: S 14

S 14

Depth: 3.28

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	1	1	2	0.06	2	3



Inspection pictures

Place : RADCLIFFE	Road : STOPES ROAD	Date : 08-Sep-20	Section number : 4	PLR Suffix : X
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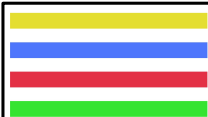
Photo: 5_5_16_A.JPG

32.44m, Settled deposits, coarse, 10% cross-sectional area loss



Photo: 5_5_17_A.JPG

35.21m, Finish node type, other special chamber reference number: S 14



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Inspection report

Date : 08-Sep-20	Job number :	Section Type :	Operator : LEE MORTON	Section number : 5	PLR SUFFIX: X
Weather rain	Vehicle : AE 19 KCU	Camera : camera 2	Preset :	Cleaned : no	Type of Drain : Gravity drain/sewer

Place : Road : Location Inspection	RADCLIFFE STOPES ROAD Property with buildings S 13 (U/S) S 12	Location details: Catchment: Pipe Shape : Pipe Length	Circular	U/S MH : U/S Depth : D/S MH : D/S Depth :	S 12 S 13 S 13 1.92
Use: Year laid : Purpose : Total length :	Surface water Investment planning 67.02 m	Pipe Width : Pipe Diameter : Pipe material : Lining :	 300 mm Concrete		

Comment :

1:540 Position

Depth: 1.92

Observation

S 13

0.00

Water level, 5% of the vertical dimension

6.58

Connection other than junction, at 12 o'clock, diameter 100mm

10.27

Settled deposits, fine, 10% cross-sectional area loss

16.49

Connection other than junction, at 12 o'clock, diameter 100mm

26.48

Connection other than junction, at 12 o'clock, diameter 100mm

35.59

Settled deposits, coarse, 10% cross-sectional area loss

36.55

Connection other than junction, at 12 o'clock, diameter 100mm

46.58

Connection other than junction, at 12 o'clock, diameter 100mm

67.02

Finish node type, manhole reference number: SOURCE

S 12



6.58 m



10.27 m



16.49 m



26.48 m



35.59 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	1	2	2	0.06	4	3



Inspection pictures

Place : RADCLIFFE	Road : STOPES ROAD	Date : 08-Sep-20	Section number : 5	PLR Suffix : X
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Photo: 6_6_19_A.JPG

6.58m, Connection other than junction, at 12 o'clock, diameter 100mm



Photo: 6_6_20_A.JPG

10.27m, Settled deposits, fine, 10% cross-sectional area loss



Inspection pictures

Place : RADCLIFFE	Road : STOPES ROAD	Date : 08-Sep-20	Section number : 5	PLR Suffix : X
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Photo: 6_6_21_A.JPG

16.49m, Connection other than junction, at 12 o'clock, diameter 100mm



Photo: 6_6_22_A.JPG

26.48m, Connection other than junction, at 12 o'clock, diameter 100mm



Inspection pictures

Place : RADCLIFFE	Road : STOPES ROAD	Date : 08-Sep-20	Section number : 5	PLR Suffix : X
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Photo: 6_6_23_A.JPG

35.59m, Settled deposits, coarse, 10% cross-sectional area loss



Photo: 6_6_24_A.JPG

36.55m, Connection other than junction, at 12 o'clock, diameter 100mm



Inspection pictures

Place : RADCLIFFE	Road : STOPES ROAD	Date : 08-Sep-20	Section number : 5	PLR Suffix : X
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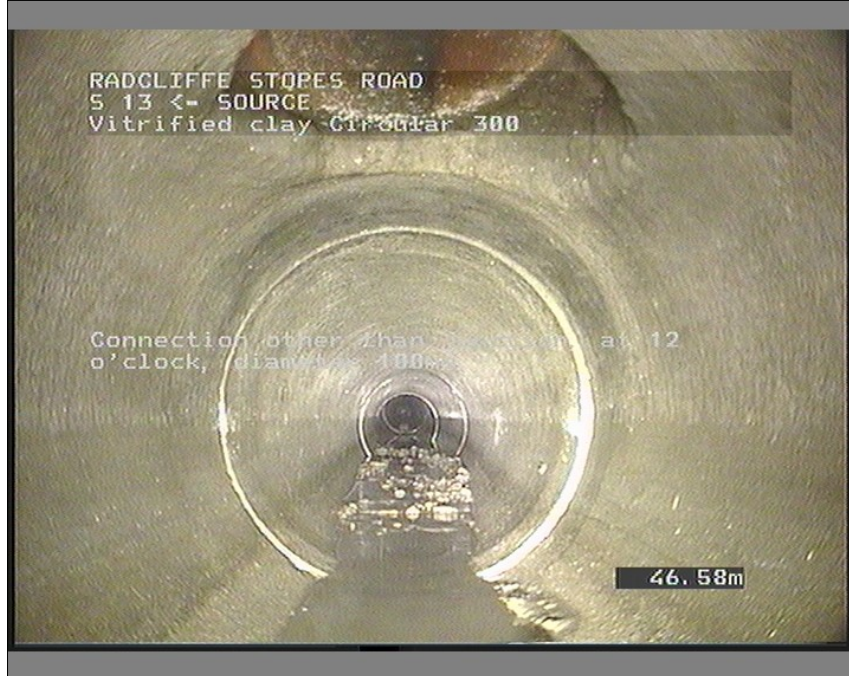


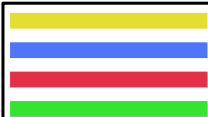
Photo: 6_6_25_A.JPG

46.58m, Connection other than junction, at 12 o'clock, diameter 100mm



Photo: 6_6_26_A.JPG

67.02m, Finish node type, manhole reference number: SOURCE



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Inspection report

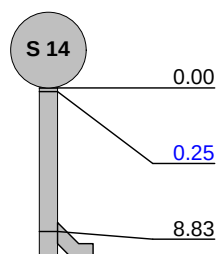
Date : 09-Sep-20	Job number :	Section Type :	Operator : LEE MORTON	Section number : 6	PLR SUFFIX: X
Weather rain	Vehicle : AE 19 KCU	Camera : camera 2	Preset :	Cleaned : yes	Type of Drain : Gravity drain/sewer

Place : Road : Location Inspection	RADCLIFFE STOPES ROAD Property with buildings S 14 (U/S) BRANCH C	Location details: Catchment: Pipe Shape : Pipe Length	Circular	U/S MH : U/S Depth : D/S MH : D/S Depth :	BRANCH C S 14
Use: Year laid : Purpose : Total length :	Surface water Investment planning 58.95 m	Pipe Width : Pipe Diameter : Pipe material : Lining :	150 mm Vitrified clay		

Comment :

1:465 Position

Observation



0.00

Water level, 5% of the vertical dimension

0.25

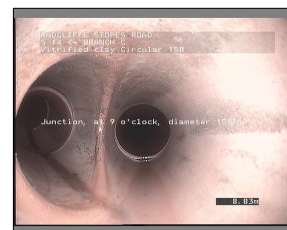
Crack, circumferential, from 12 to 12 o'clock

8.83

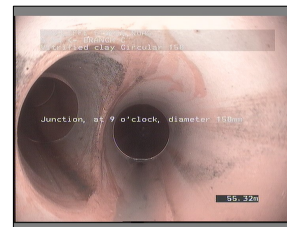
Junction, at 9 o'clock, diameter 150mm



0.25 m



8.83 m



55.32 m



58.95 m

55.32

Junction, at 9 o'clock, diameter 150mm

58.95

Finish node type, other special chamber reference number: BRANCH C

BRANCH C

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
1	10	0.17	10	2	0	0	0	0	1



Inspection pictures

Place : RADCLIFFE	Road : STOPES ROAD	Date : 09-Sep-20	Section number : 6	PLR Suffix : X
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Photo: 7_7_28_A.JPG
0.25m, Crack, circumferential, from 12 to 12 o'clock

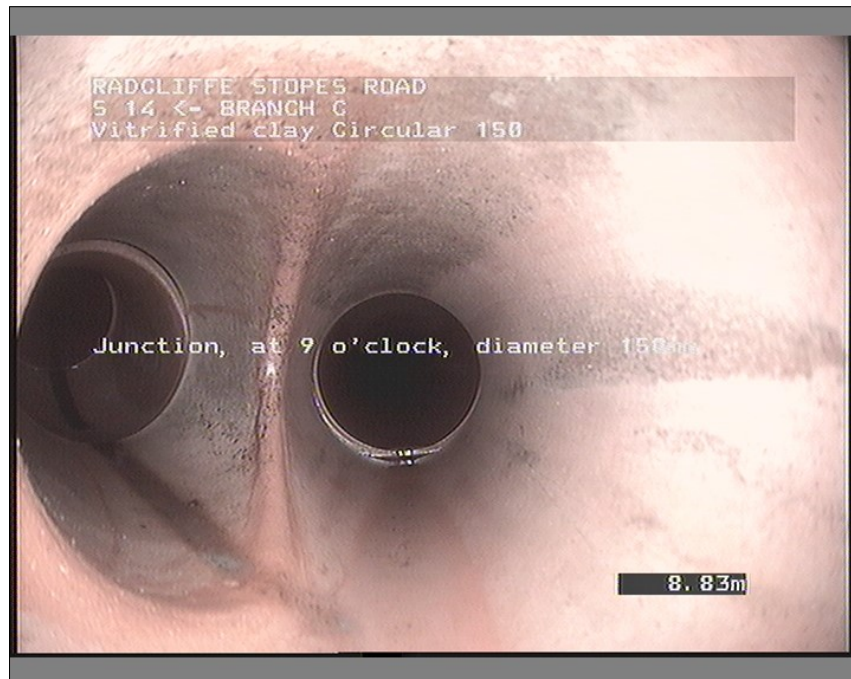


Photo: 7_7_29_A.JPG
8.83m, Junction, at 9 o'clock, diameter 150mm



Inspection pictures

Place : RADCLIFFE	Road : STOPES ROAD	Date : 09-Sep-20	Section number : 6	PLR Suffix : X
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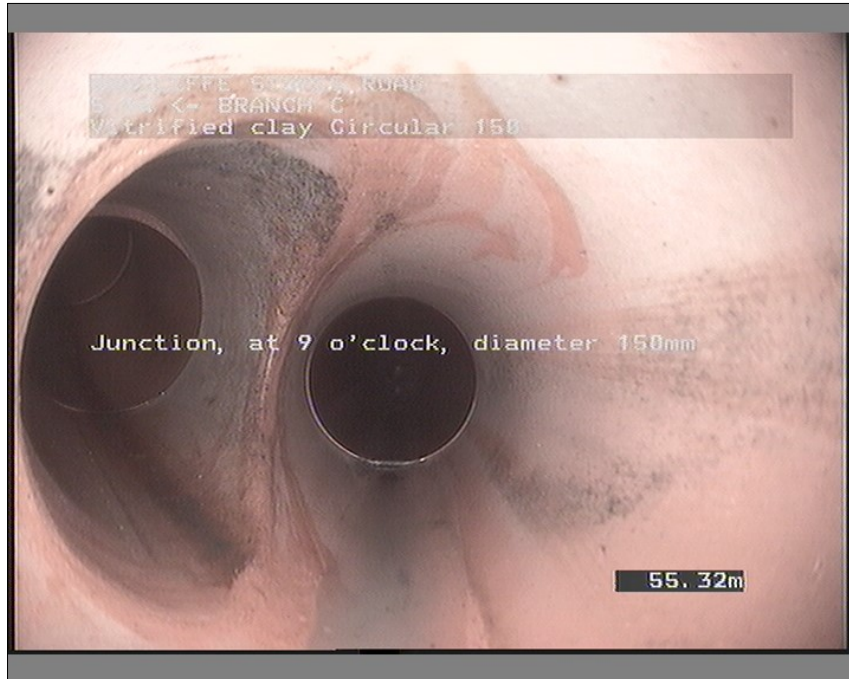
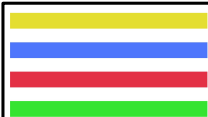


Photo: 7_7_30_A.JPG
55.32m, Junction, at 9 o'clock, diameter 150mm



Photo: 7_7_31_A.JPG
58.95m, Finish node type, other special chamber reference number: BRANCH C



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Inspection report

Date : 09-Sep-20	Job number :	Section Type :	Operator : LEE MORTON	Section number : 7	PLR SUFFIX: X
Weather rain	Vehicle : AE 19 KCU	Camera : camera 2	Preset :	Cleaned : yes	Type of Drain : Gravity drain/sewer

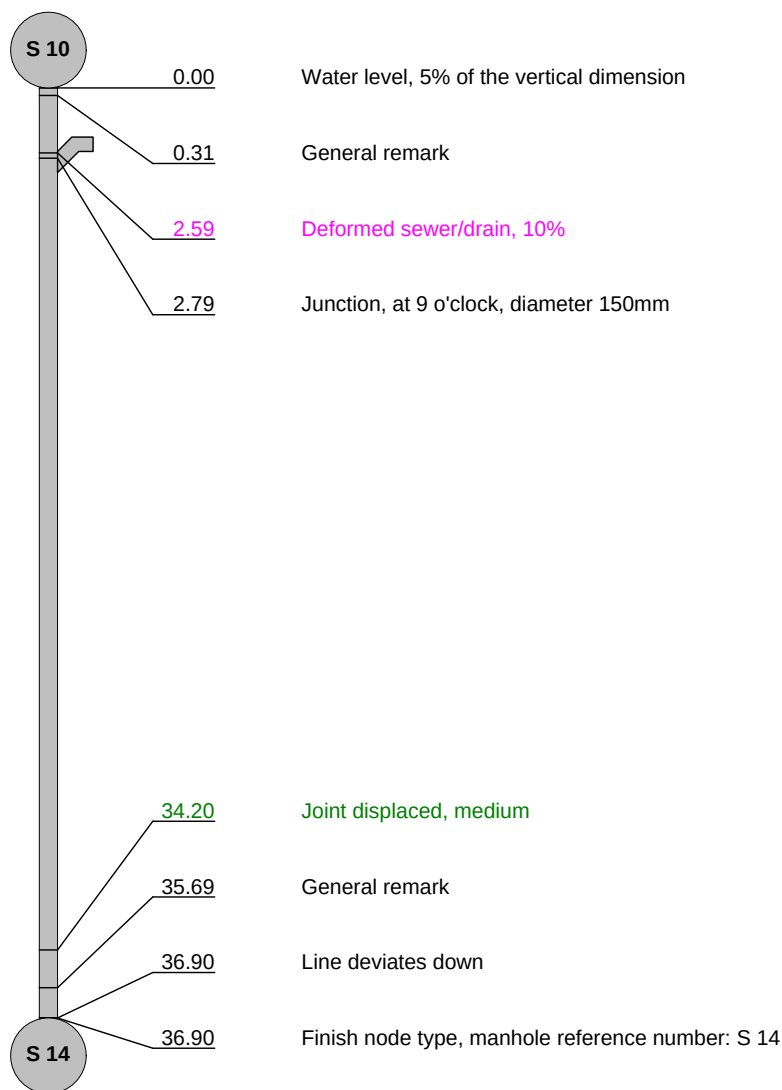
Place : Road : Location Inspection	RADCLIFFE STOPES ROAD Property with buildings S 10 (D/S) S 14	Location details: Catchment: Pipe Shape : Pipe Length	 Circular 	U/S MH : U/S Depth : D/S MH : D/S Depth :	S 10 1.72 S 14 3.28
Use: Year laid : Purpose : Total length :	Surface water Investment planning 36.90 m	Pipe Width : Pipe Diameter : Pipe material : Lining :	 150 mm Vitrified clay 		

Comment :

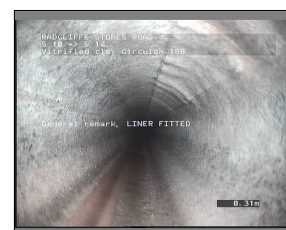
1:300 Position

Depth: 1.72

Observation



Depth: 3.28



0.31 m



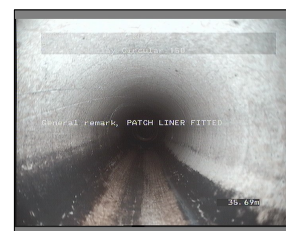
2.59 m



2.79 m



34.2 m



35.69 m

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
2	80	2.2	81	4	0	0	0	0	1



Inspection pictures

Place : RADCLIFFE	Road : STOPES ROAD	Date : 09-Sep-20	Section number : 7	PLR Suffix : X
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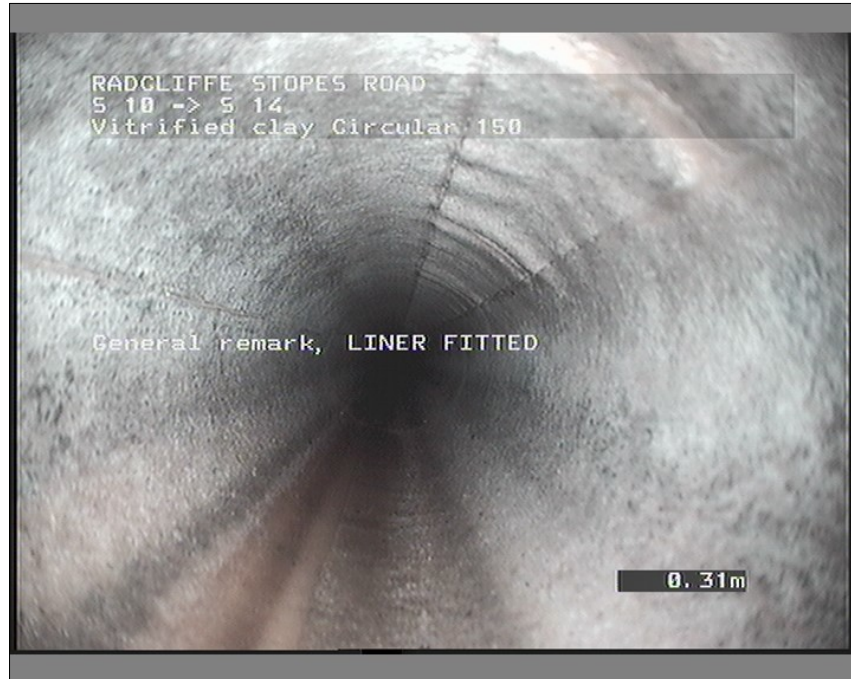


Photo: 8_8_33_A.JPG
0.31m, General remark



Photo: 8_8_34_A.JPG
2.59m, Deformed sewer/drain, 10%



Inspection pictures

Place : RADCLIFFE	Road : STOPES ROAD	Date : 09-Sep-20	Section number : 7	PLR Suffix : X
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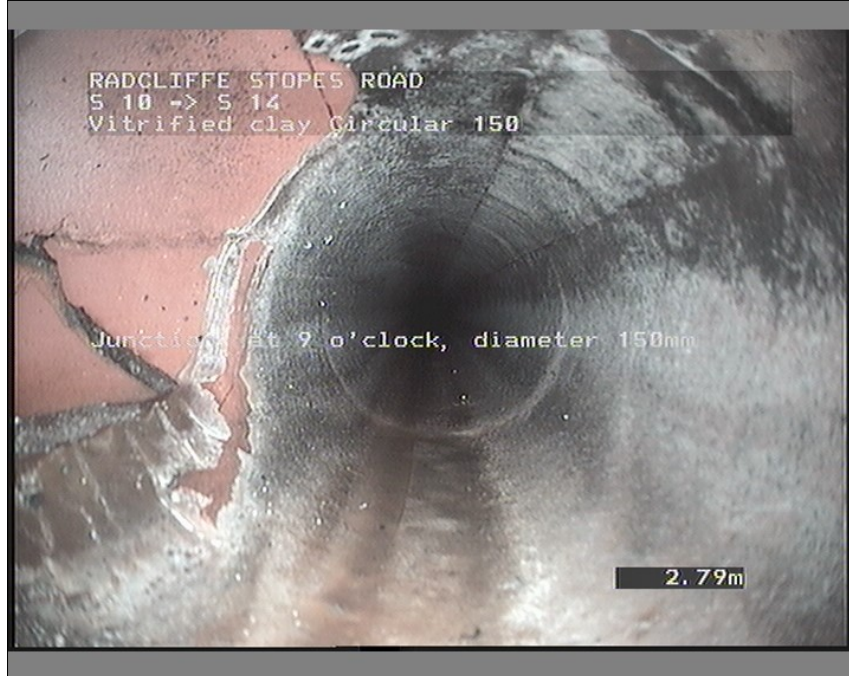


Photo: 8_8_35_A.JPG
2.79m, Junction, at 9 o'clock, diameter 150mm

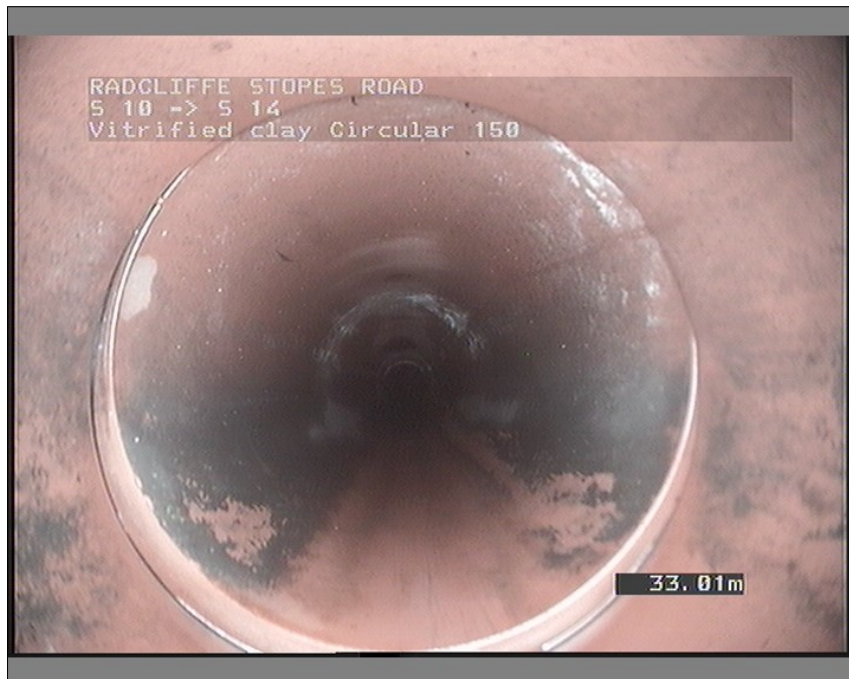


Photo: 8_8_36_A.JPG
34.2m, Joint displaced, medium



Inspection pictures

Place : RADCLIFFE	Road : STOPES ROAD	Date : 09-Sep-20	Section number : 7	PLR Suffix : X
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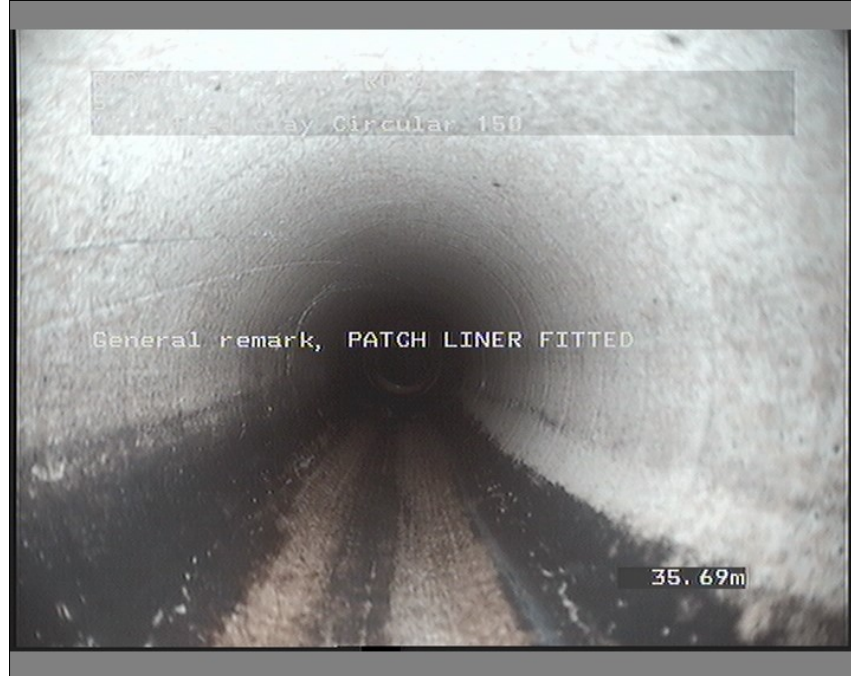
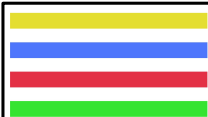


Photo: 8_8_37_A.JPG
35.69m, General remark



Photo: 8_8_39_A.JPG
36.9m, Finish node type, manhole reference number: S 14



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Inspection report

Date : 09-Sep-20	Job number :	Section Type :	Operator : LEE MORTON	Section number : 8	PLR SUFFIX: X
Weather rain	Vehicle : AE 19 KCU	Camera : camera 2	Preset :	Cleaned : yes	Type of Drain : Gravity drain/sewer

Place : Road : Location Inspection	RADCLIFFE STOPES ROAD Property with buildings S 10 (U/S) SOURCE	Location details: Catchment: Pipe Shape : Pipe Length	Circular	U/S MH : U/S Depth : D/S MH : D/S Depth :	SOURCE S 10 S 10 1.72
Use: Year laid : Purpose : Total length :	Surface water Investment planning 49.91 m	Pipe Width : Pipe Diameter : Pipe material : Lining :	 150 mm Vitrified clay		

Comment :

1:405 Position

Depth: 1.72

Observation

S 10

0.03

Water level, 5% of the vertical dimension



16.61 m

16.61

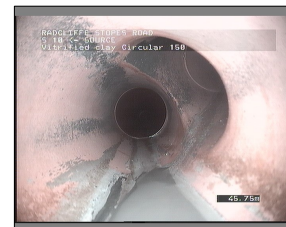
General remark



38.5 m

38.50

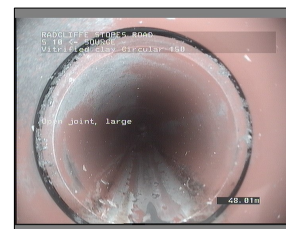
Joint displaced, medium



45.75 m

45.75

Junction, at 2 o'clock, diameter 150mm



48.01 m

48.01

Open joint, large

49.91

Finish node type, rodding eye reference number: SOURCE

SOURCE

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
2	2	0.06	3	1	0	0	0	0	1



Inspection pictures

Place : RADCLIFFE	Road : STOPES ROAD	Date : 09-Sep-20	Section number : 8	PLR Suffix : X
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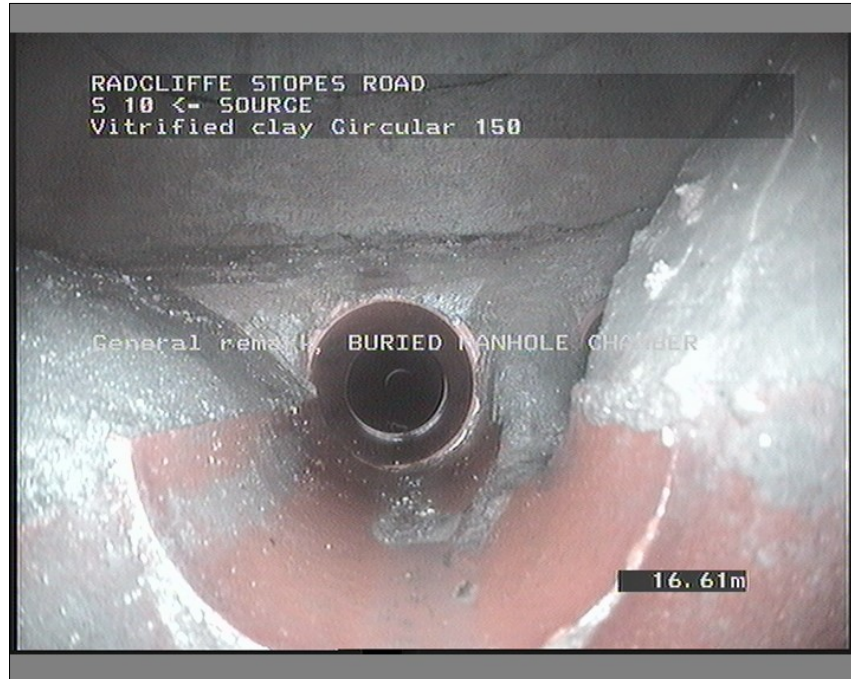


Photo: 9_9_41_A.JPG
16.61m, General remark

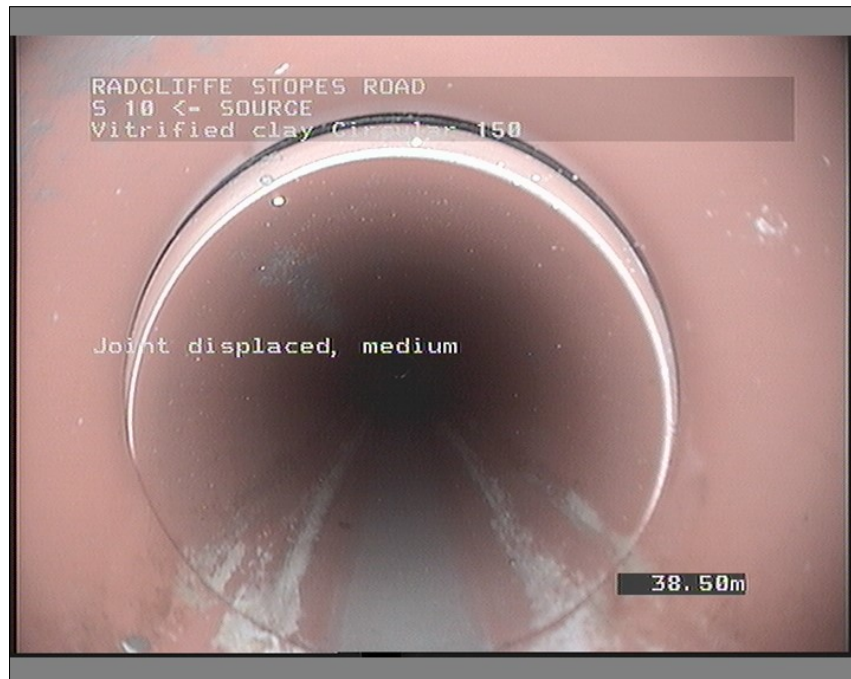


Photo: 9_9_42_A.JPG
38.5m, Joint displaced, medium



Inspection pictures

Place : RADCLIFFE	Road : STOPES ROAD	Date : 09-Sep-20	Section number : 8	PLR Suffix : X
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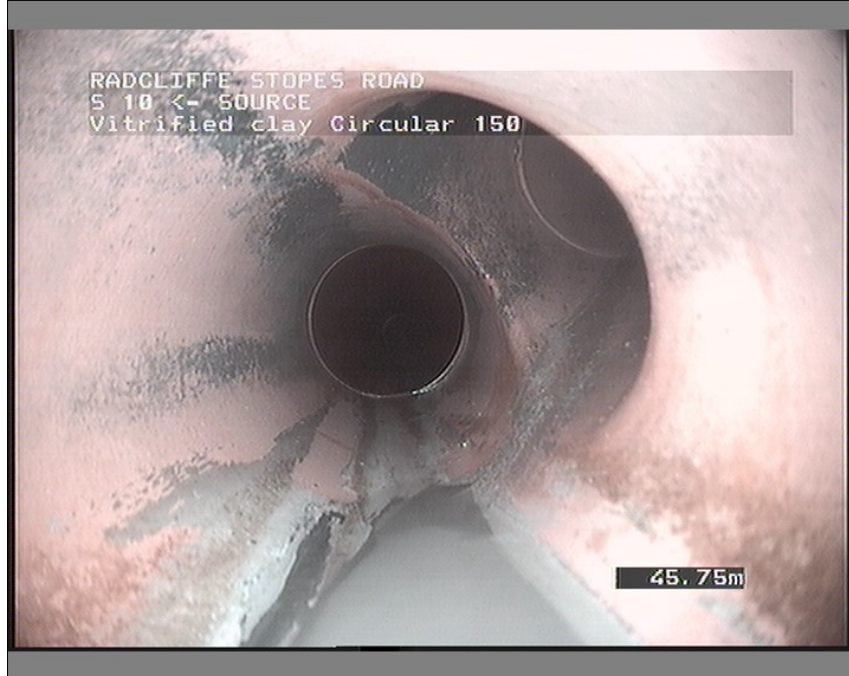


Photo: 9_9_44_A.JPG
45.75m, Junction, at 2 o'clock, diameter 150mm

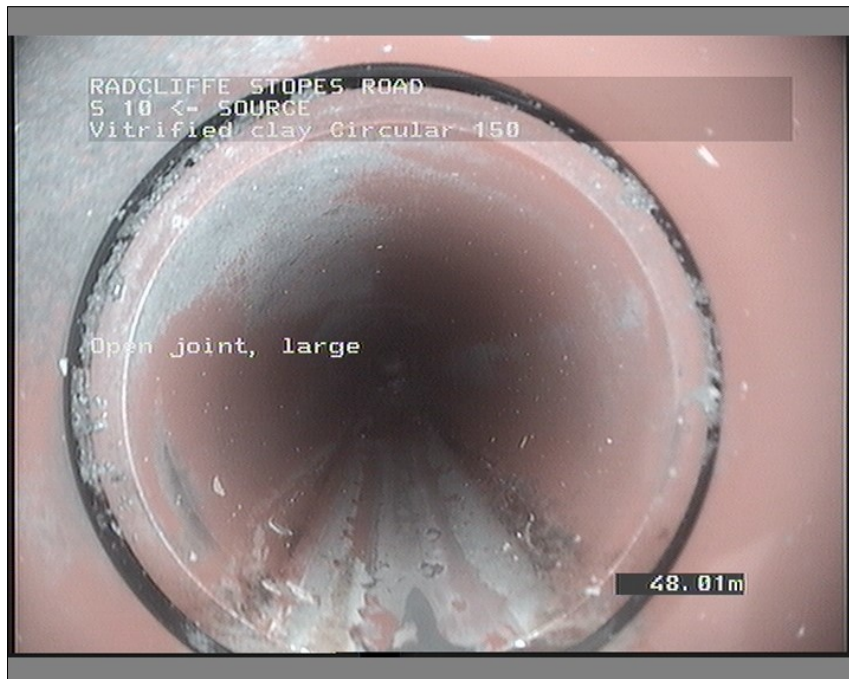
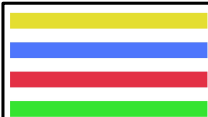


Photo: 9_9_45_A.JPG
48.01m, Open joint, large



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Inspection report

Date : 09-Sep-20	Job number :	Section Type :	Operator : LEE MORTON	Section number : 9	PLR SUFFIX: X
Weather rain	Vehicle : AE 19 KCU	Camera : camera 2	Preset :	Cleaned : yes	Type of Drain : Gravity drain/sewer

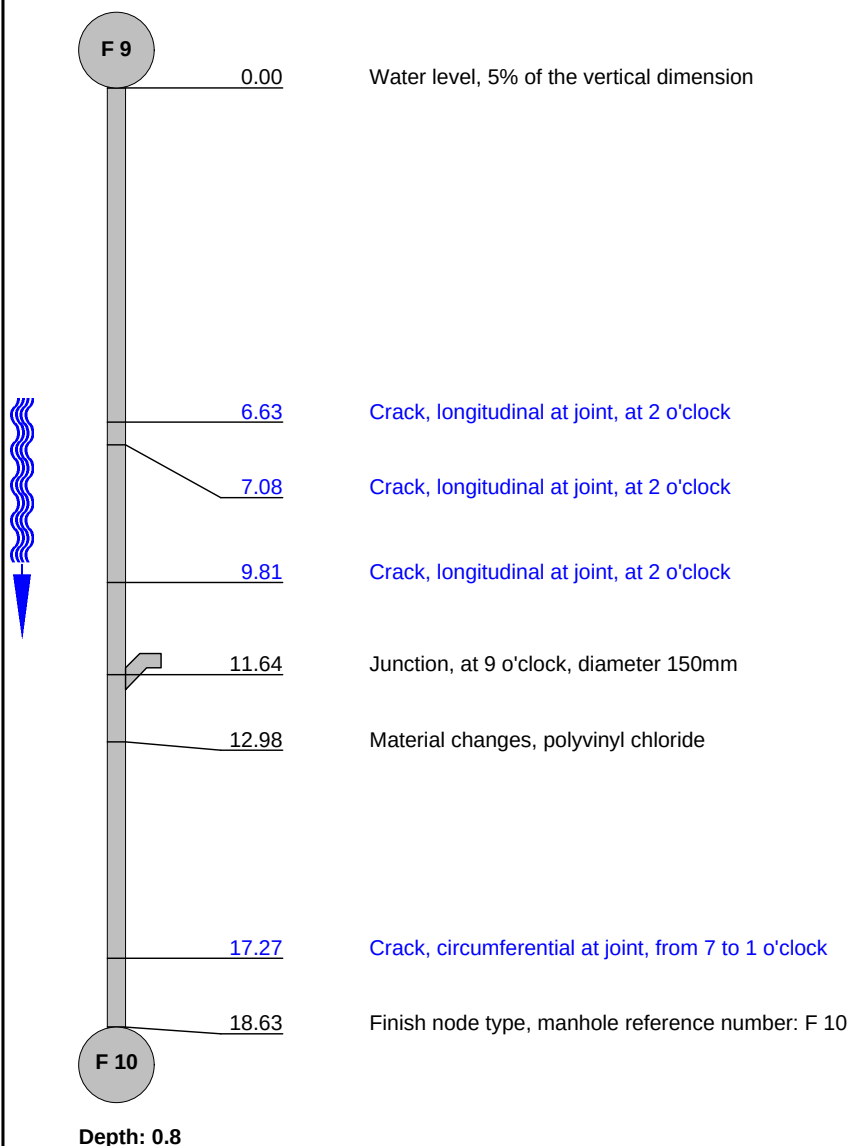
Place : Road : Location Inspection	RADCLIFFE STOPES ROAD Property with buildings F 9 (D/S) F 10	Location details: Catchment: Pipe Shape : Pipe Length	Circular	U/S MH : U/S Depth : D/S MH : D/S Depth :	F 9 0.8 F 10 0.8
Use: Year laid : Purpose : Total length :	Combined Investment planning 18.63 m	Pipe Width : Pipe Diameter : Pipe material : Lining :	 150 mm Vitrified clay		

Comment :

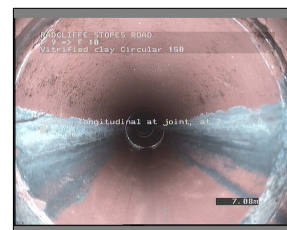
1:150 Position

Depth: 0.8

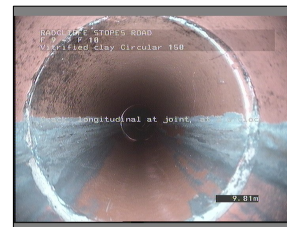
Observation



6.63 m



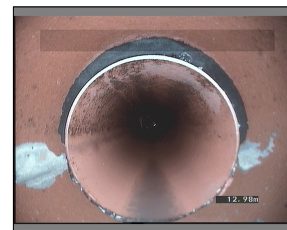
7.08 m



9.81 m



11.64 m



12.98 m

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
4	20	2.15	40	2	0	0	0	0	1



Inspection pictures

Place : RADCLIFFE	Road : STOPES ROAD	Date : 09-Sep-20	Section number : 9	PLR Suffix : X
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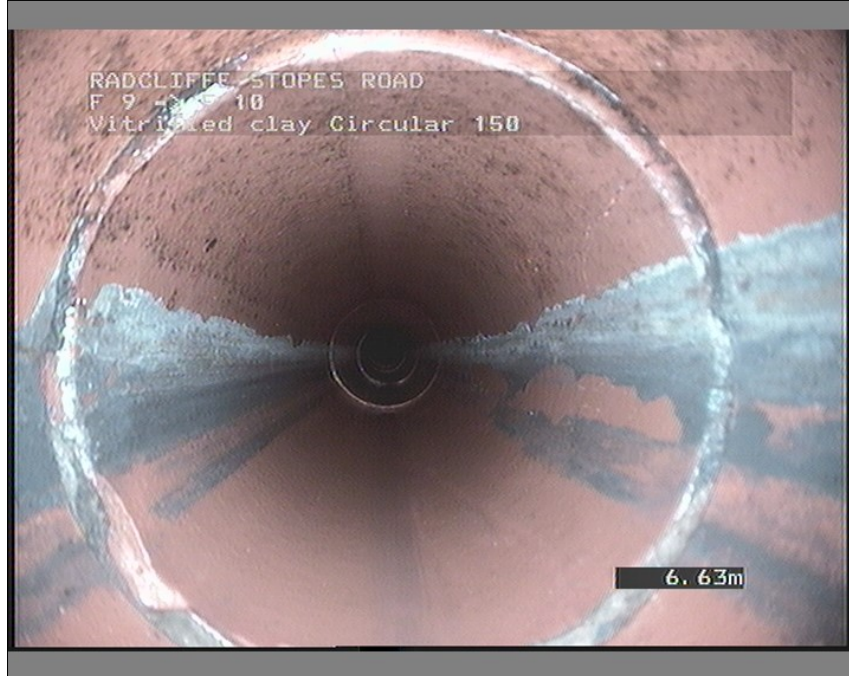


Photo: 11_11_53_A.JPG
6.63m, Crack, longitudinal at joint, at 2 o'clock

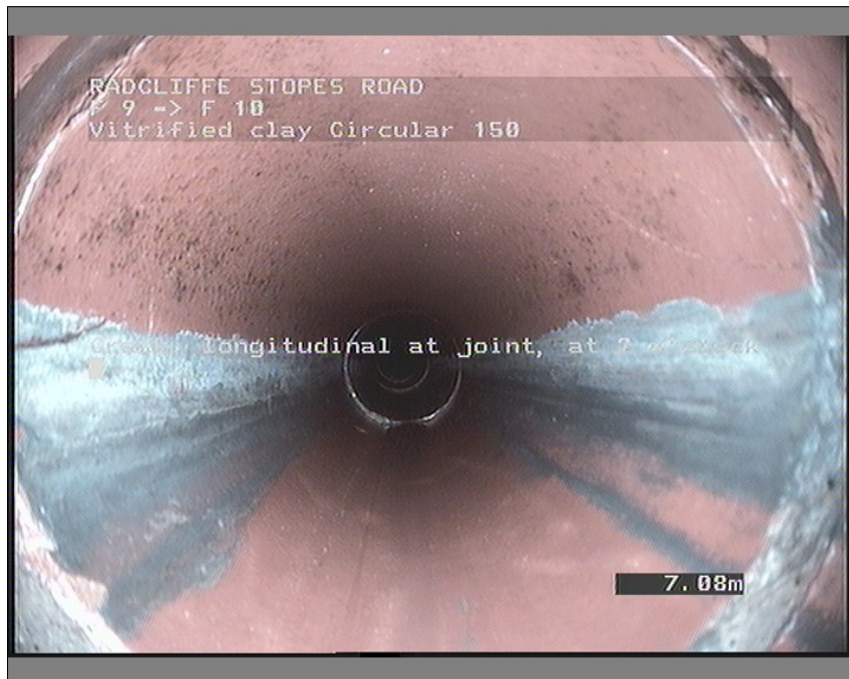


Photo: 11_11_54_A.JPG
7.08m, Crack, longitudinal at joint, at 2 o'clock



Inspection pictures

Place : RADCLIFFE	Road : STOPES ROAD	Date : 09-Sep-20	Section number : 9	PLR Suffix : X
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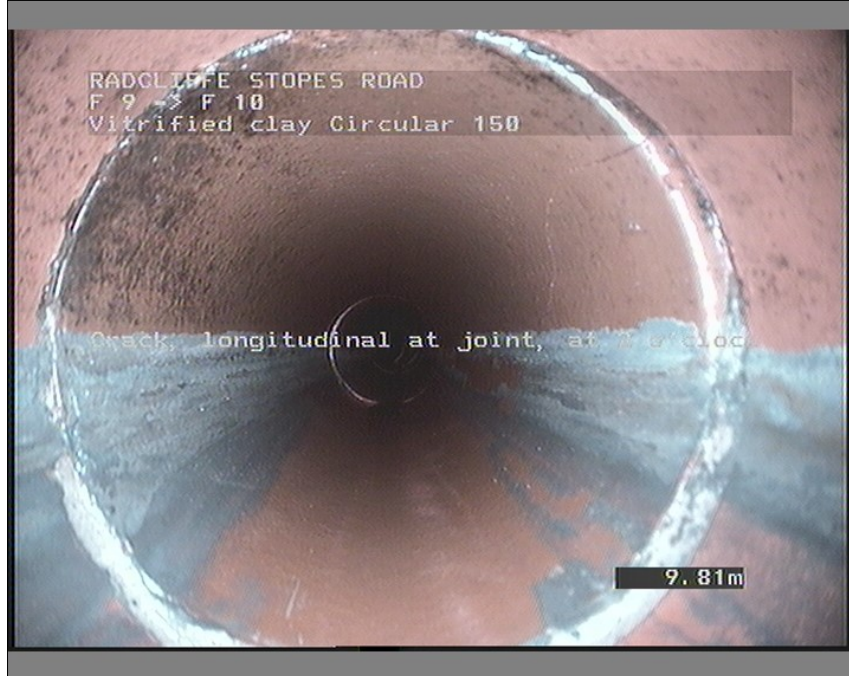


Photo: 11_11_55_A.JPG
9.81m, Crack, longitudinal at joint, at 2 o'clock

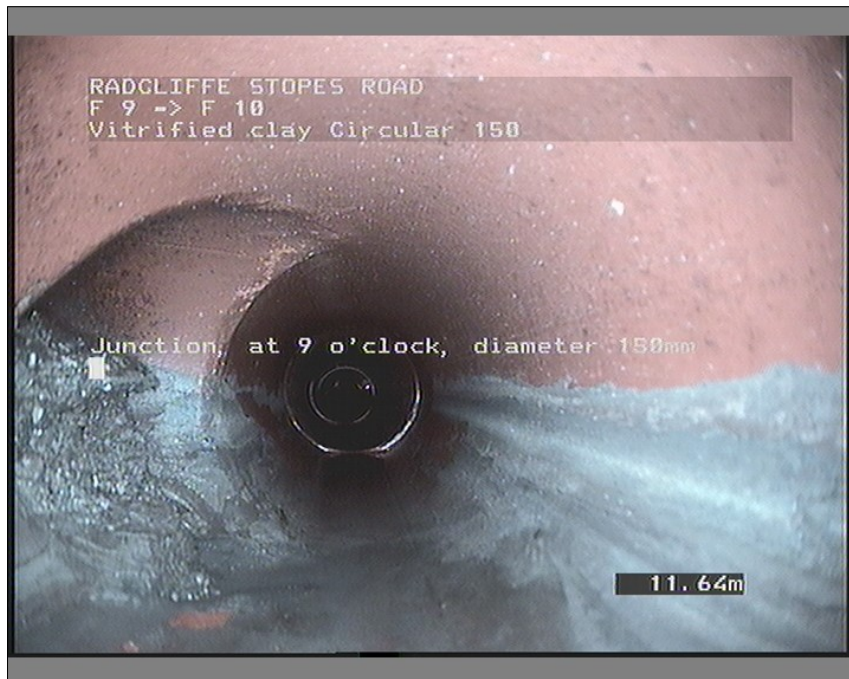


Photo: 11_11_56_A.JPG
11.64m, Junction, at 9 o'clock, diameter 150mm



Inspection pictures

Place : RADCLIFFE	Road : STOPES ROAD	Date : 09-Sep-20	Section number : 9	PLR Suffix : X
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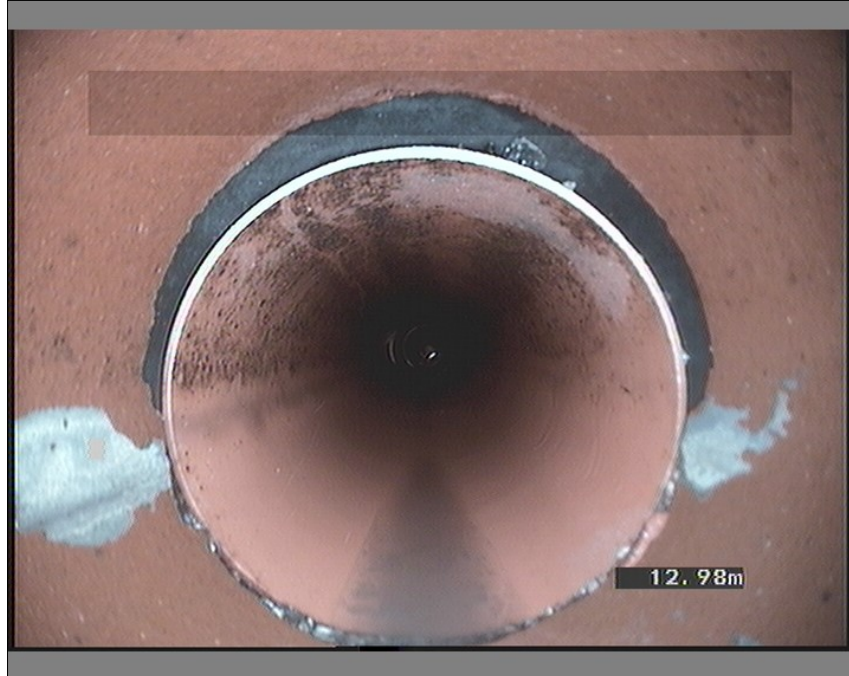


Photo: 11_11_58_A.JPG
12.98m, Material changes, polyvinyl chloride

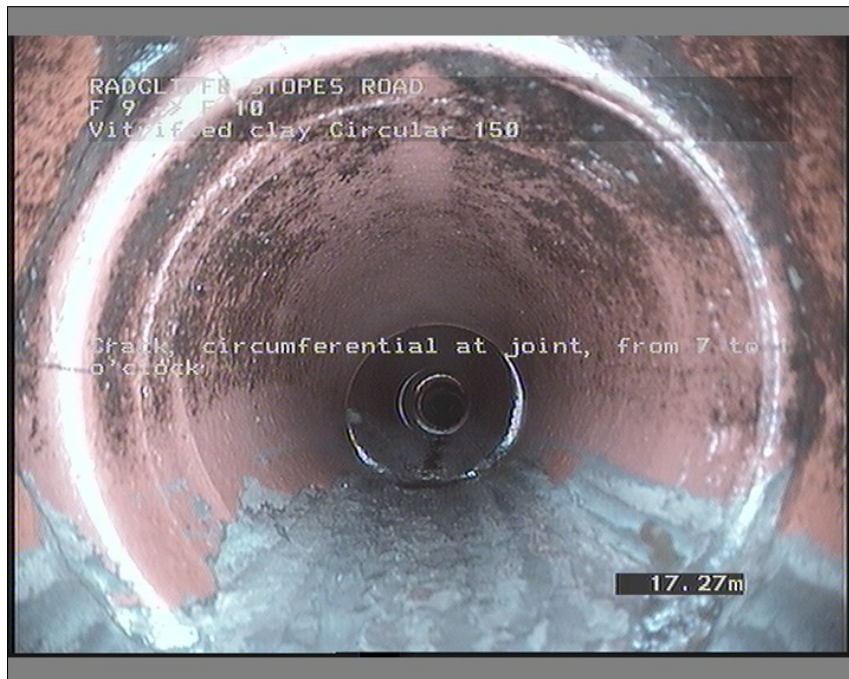


Photo: 11_11_59_A.JPG
17.27m, Crack, circumferential at joint, from 7 to 1 o'clock



Inspection pictures

Place : RADCLIFFE	Road : STOPES ROAD	Date : 09-Sep-20	Section number : 9	PLR Suffix : X
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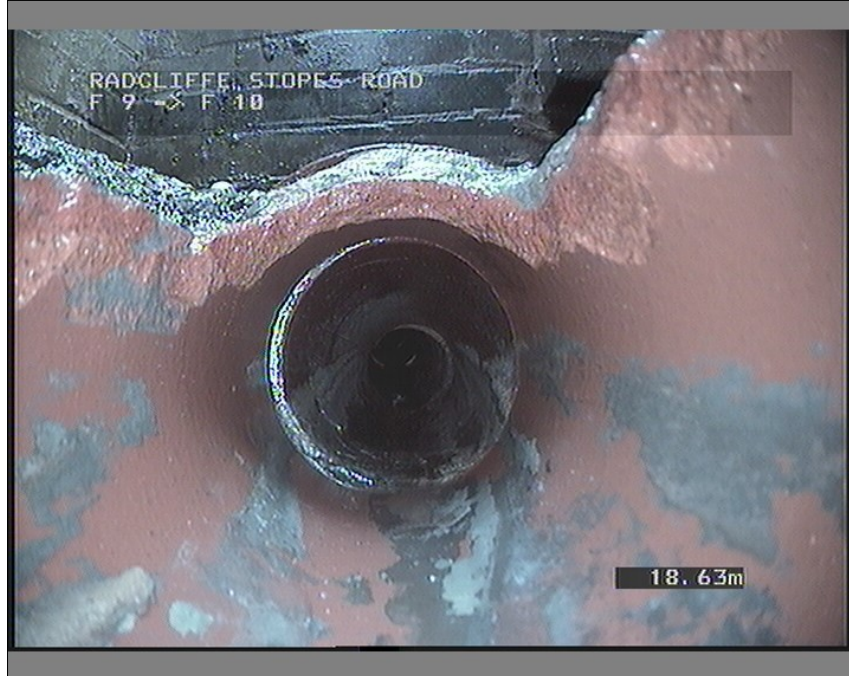
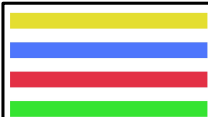


Photo: 11_11_60_A.JPG

18.63m, Finish node type, manhole reference number: F 10



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Inspection report

Date : 09-Sep-20	Job number :	Section Type :	Operator : LEE MORTON	Section number : 10	PLR SUFFIX: X
Weather rain	Vehicle : AE 19 KCU	Camera : camera 2	Preset :	Cleaned : yes	Type of Drain : Gravity drain/sewer

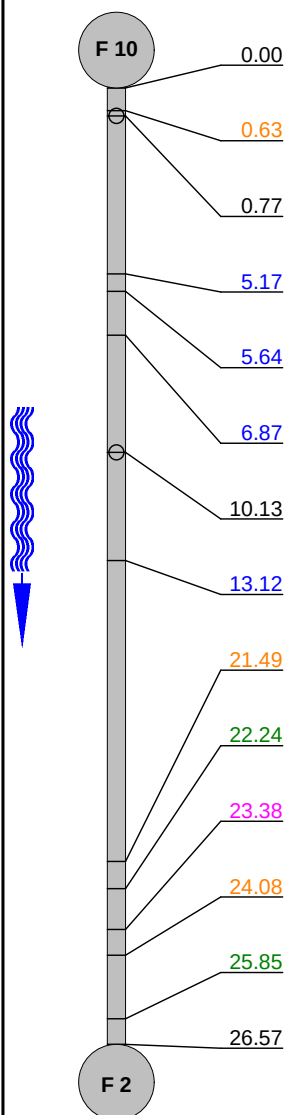
Place : Road : Location Inspection	RADCLIFFE STOPES ROAD Property with buildings F 10 (D/S) F 2	Location details: Catchment: Pipe Shape : Pipe Length	Circular	U/S MH : U/S Depth : D/S MH : D/S Depth :	F 10 0.8 F 2
Use: Year laid : Purpose : Total length :	Combined Investment planning 26.57 m	Pipe Width : Pipe Diameter : Pipe material : Lining :	150 mm Vitrified clay		

Comment :

1:210 Position

Depth: 0.8

Observation



Water level, 5% of the vertical dimension

Fracture, circumferential at joint, from 10 to 4 o'clock

Connection other than junction, at 12 o'clock, diameter 100mm

Crack, circumferential at joint, from 7 to 10 o'clock

Crack, circumferential at joint, from 12 to 5 o'clock

Crack, circumferential at joint, from 10 to 4 o'clock

Junction, at 12 o'clock, diameter 100mm

Crack, circumferential at joint, from 9 to 3 o'clock

Fracture, circumferential at joint, from 2 to 5 o'clock

Joint displaced, medium

Fracture, multiple at joint, from 7 to 5 o'clock

Cracks, multiple at joint, from 6 to 3 o'clock

Open joint, large

Finish node type, manhole reference number: F 2



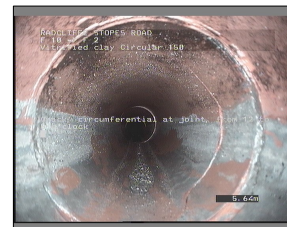
0.63 m



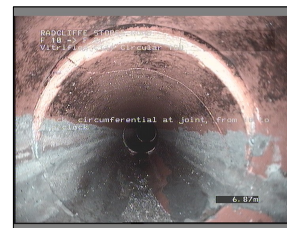
0.77 m



5.17 m



5.64 m



6.87 m

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
10	80	9.15	243	4	0	0	0	0	1



Inspection pictures

Place : RADCLIFFE	Road : STOPES ROAD	Date : 09-Sep-20	Section number : 10	PLR Suffix : X
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Photo: 12_12_62_A.JPG
0.63m, Fracture, circumferential at joint, from 10 to 4 o'clock



Photo: 12_12_63_A.JPG
0.77m, Connection other than junction, at 12 o'clock, diameter 100mm



Inspection pictures

Place : RADCLIFFE	Road : STOPES ROAD	Date : 09-Sep-20	Section number : 10	PLR Suffix : X
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Photo: 12_12_64_A.JPG

5.17m, Crack, circumferential at joint, from 7 to 10 o'clock

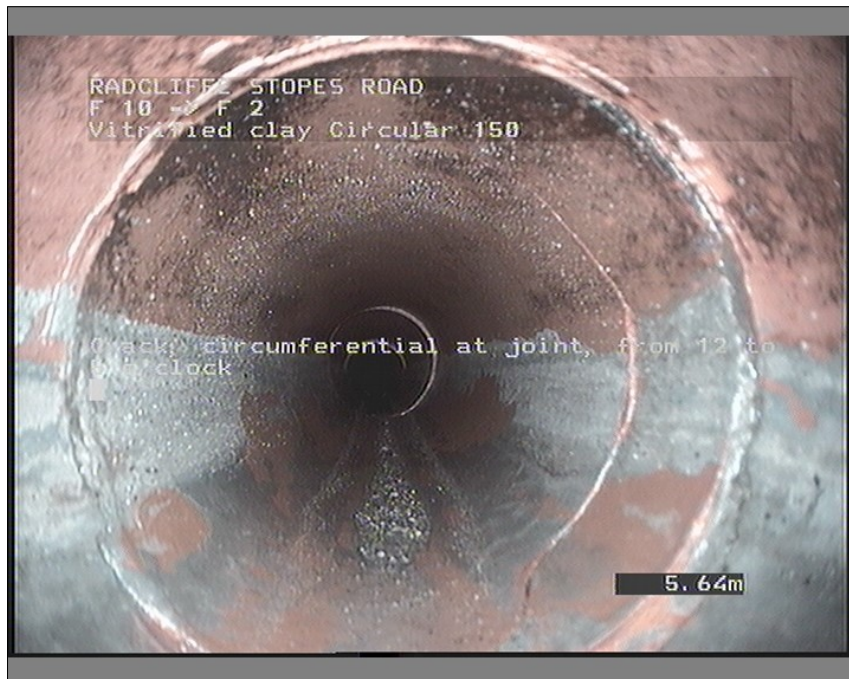


Photo: 12_12_65_A.JPG

5.64m, Crack, circumferential at joint, from 12 to 5 o'clock



Inspection pictures

Place : RADCLIFFE	Road : STOPES ROAD	Date : 09-Sep-20	Section number : 10	PLR Suffix : X
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Photo: 12_12_66_A.JPG

6.87m, Crack, circumferential at joint, from 10 to 4 o'clock



Photo: 12_12_67_A.JPG

10.13m, Junction, at 12 o'clock, diameter 100mm



Inspection pictures

Place : RADCLIFFE	Road : STOPES ROAD	Date : 09-Sep-20	Section number : 10	PLR Suffix : X
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Photo: 12_12_68_A.JPG
13.12m, Crack, circumferential at joint, from 9 to 3 o'clock



Photo: 12_12_69_A.JPG
21.49m, Fracture, circumferential at joint, from 2 to 5 o'clock



Inspection pictures

Place : RADCLIFFE	Road : STOPES ROAD	Date : 09-Sep-20	Section number : 10	PLR Suffix : X
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Photo: 12_12_70_A.JPG
22.24m, Joint displaced, medium



Photo: 12_12_71_A.JPG
23.38m, Fracture, multiple at joint, from 7 to 5 o'clock



Inspection pictures

Place : RADCLIFFE	Road : STOPES ROAD	Date : 09-Sep-20	Section number : 10	PLR Suffix : X
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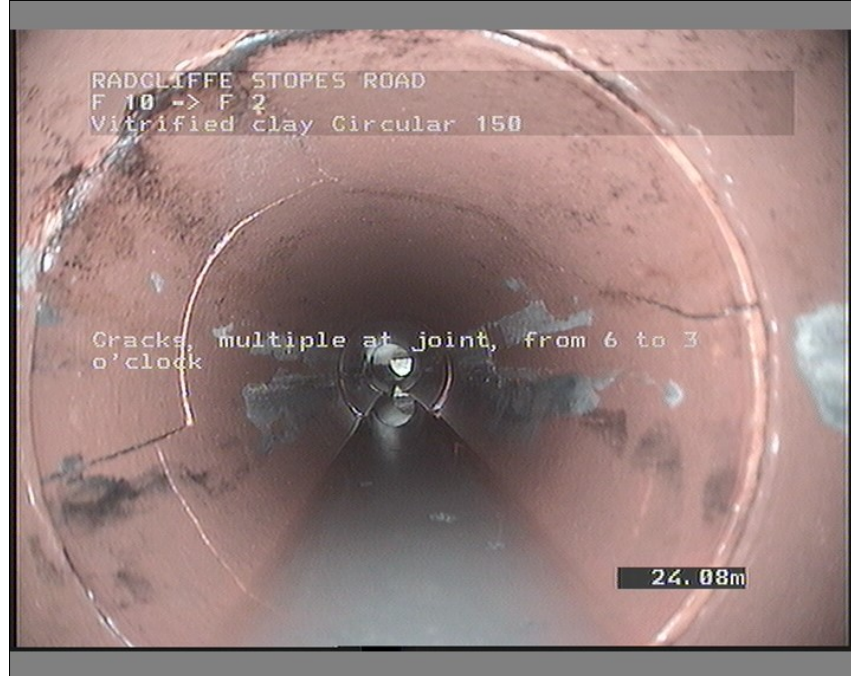


Photo: 12_12_72_A.JPG
24.08m, Cracks, multiple at joint, from 6 to 3 o'clock



Photo: 12_12_73_A.JPG
25.85m, Open joint, large



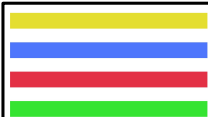
Inspection pictures

Place : RADCLIFFE	Road : STOPES ROAD	Date : 09-Sep-20	Section number : 10	PLR Suffix : X
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Photo: 12_12_74_A.JPG

26.57m, Finish node type, manhole reference number: F 2



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Inspection report

Date : 09-Sep-20	Job number :	Section Type :	Operator : LEE MORTON	Section number : 11	PLR SUFFIX: X
Weather no rain or snow	Vehicle : AE 19 KCU	Camera : camera 2	Preset :	Cleaned : yes	Type of Drain : Gravity drain/sewer

Place : Road : Location Inspection	RADCLIFFE STOPES ROAD Property with buildings F 2 (U/S) SOURCE	Location details: Catchment: Pipe Shape : Pipe Length	Circular	U/S MH : U/S Depth : D/S MH : D/S Depth :	SOURCE F 2 1.8
Use: Year laid : Purpose : Total length :	Combined Investment planning 14.95 m	Pipe Width : Pipe Diameter : Pipe material : Lining :	150 mm Vitrified clay		

Comment :

1:120 Position

Depth: 1.8

Observation

F 2

0.00

Crack, circumferential at joint, from 10 to 2 o'clock

0.10

Water level, 5% of the vertical dimension

0.36

Crack, circumferential at joint, from 7 to 10 o'clock

4.75

Crack, circumferential at joint, from 12 to 4 o'clock

6.52

Crack, circumferential at joint, from 2 to 5 o'clock

14.95

Collapsed drain/sewer

SOURCE



0.36 m



4.75 m



14.95 m

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
4	10	2.68	40	2	0	0	0	0	1



Inspection pictures

Place : RADCLIFFE	Road : STOPES ROAD	Date : 09-Sep-20	Section number : 11	PLR Suffix : X
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Photo: 14_14_80_A.JPG

0.36m, Crack, circumferential at joint, from 7 to 10 o'clock

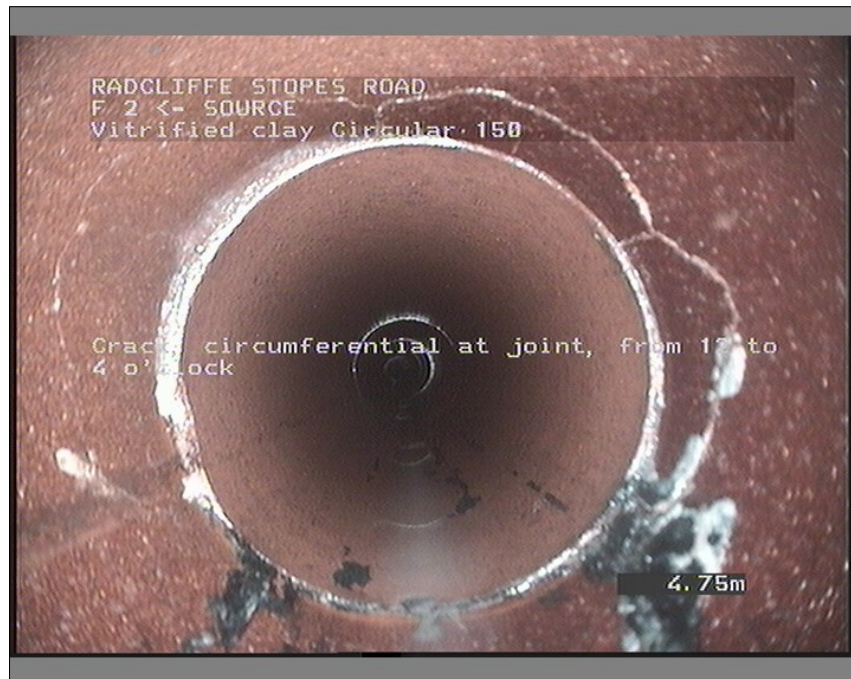


Photo: 14_14_81_A.JPG

4.75m, Crack, circumferential at joint, from 12 to 4 o'clock

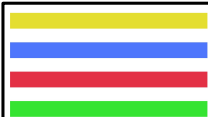


Inspection pictures

Place : RADCLIFFE	Road : STOPES ROAD	Date : 09-Sep-20	Section number : 11	PLR Suffix : X
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Photo: 14_14_83_A.JPG
14.95m, Collapsed drain/sewer



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Inspection report

Date : 09-Sep-20	Job number :	Section Type :	Operator : LEE MORTON	Section number : 12	PLR SUFFIX: X
Weather no rain or snow	Vehicle : AE 19 KCU	Camera : camera 2	Preset :	Cleaned : yes	Type of Drain : Gravity drain/sewer

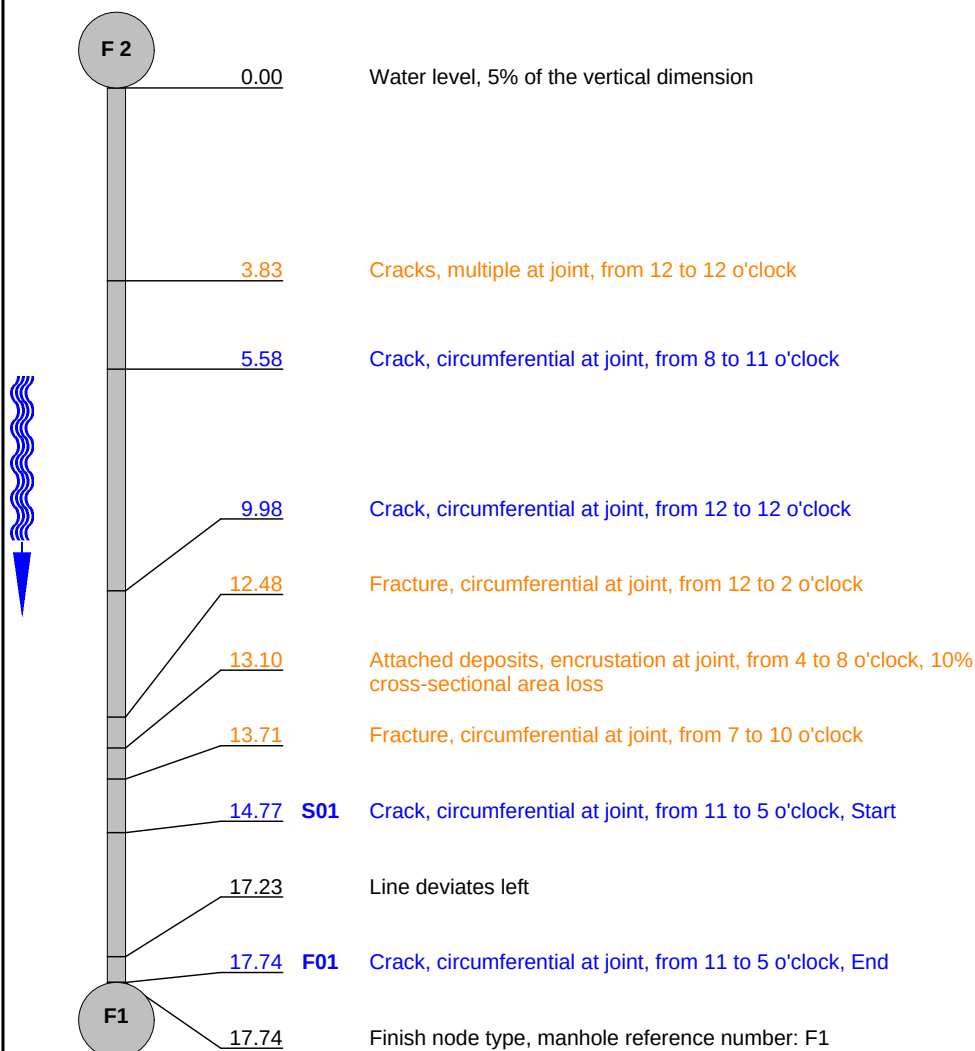
Place : Road : Location Inspection	RADCLIFFE STOPES ROAD Property with buildings F 2 (D/S) F1	Location details: Catchment: Pipe Shape : Pipe Length	Circular	U/S MH : U/S Depth : D/S MH : D/S Depth :	F 2 1.8 F1 1.67
Use: Year laid : Purpose : Total length :	Combined Investment planning 17.74 m	Pipe Width : Pipe Diameter : Pipe material : Lining :	150 mm Vitrified clay		

Comment :

1:150 Position

Depth: 1.8

Observation



Depth: 1.67



3.83 m



5.58 m



9.98 m



12.48 m



13.10 m

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
6	50	10.15	180	3	1	2	0.11	2	3



Inspection pictures

Place : RADCLIFFE	Road : STOPES ROAD	Date : 09-Sep-20	Section number : 12	PLR Suffix : X
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Photo: 15_15_85_A.JPG
3.83m, Cracks, multiple at joint, from 12 to 12 o'clock



Photo: 15_15_86_A.JPG
5.58m, Crack, circumferential at joint, from 8 to 11 o'clock



Inspection pictures

Place : RADCLIFFE	Road : STOPES ROAD	Date : 09-Sep-20	Section number : 12	PLR Suffix : X
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Photo: 15_15_87_A.JPG

9.98m, Crack, circumferential at joint, from 12 to 12 o'clock

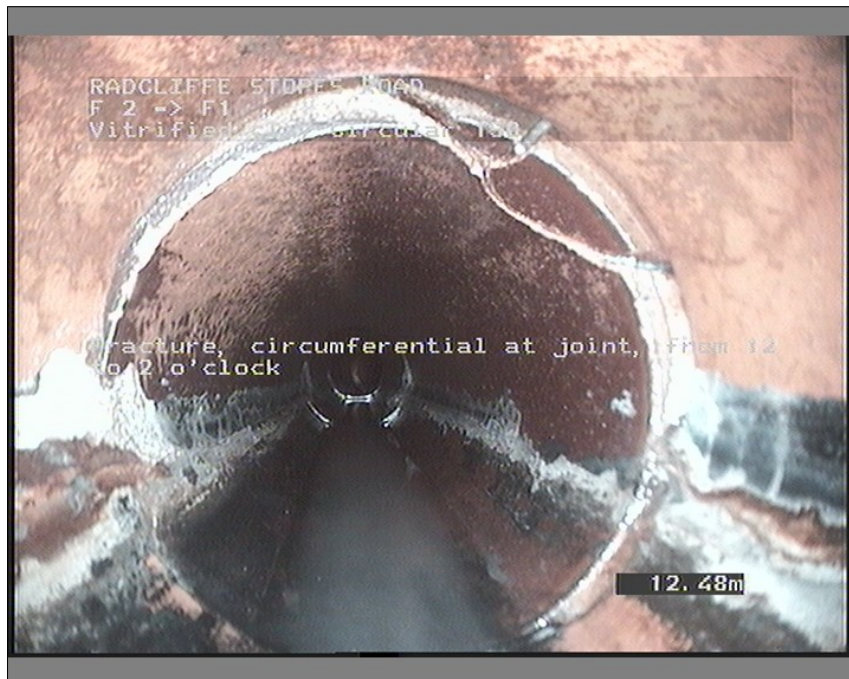


Photo: 15_15_88_A.JPG

12.48m, Fracture, circumferential at joint, from 12 to 2 o'clock



Inspection pictures

Place : RADCLIFFE	Road : STOPES ROAD	Date : 09-Sep-20	Section number : 12	PLR Suffix : X
-----------------------------	------------------------------	----------------------------	-------------------------------	--------------------------

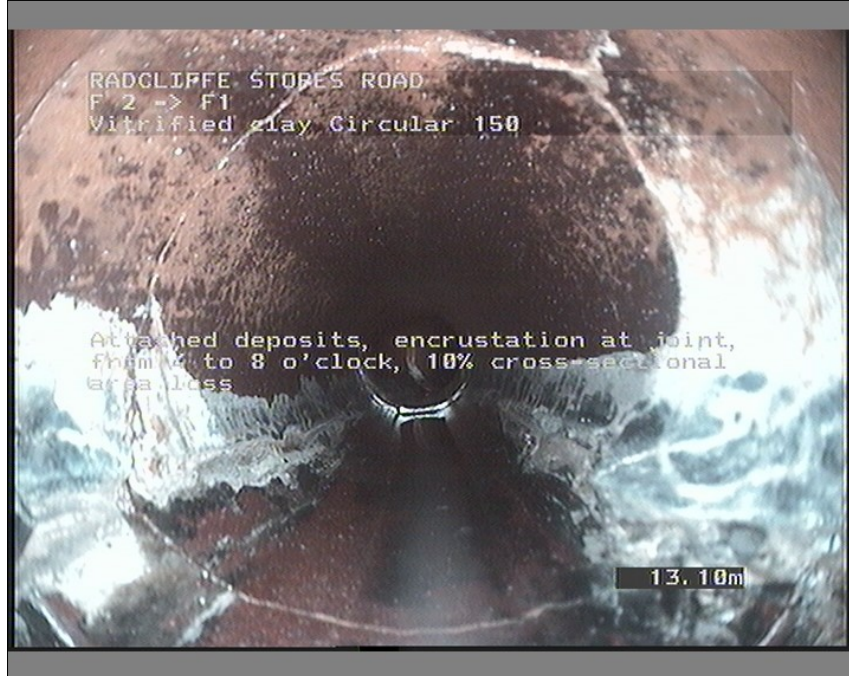


Photo: 15_15_89_A.JPG

13.1m, Attached deposits, encrustation at joint, from 4 to 8 o'clock, 10% cross-sectional area loss

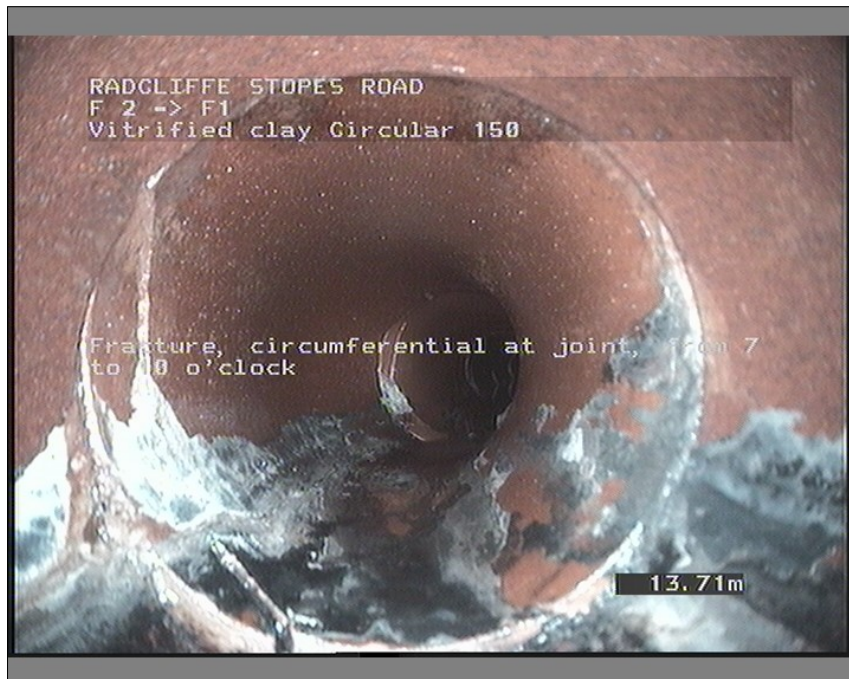


Photo: 15_15_90_A.JPG

13.71m, Fracture, circumferential at joint, from 7 to 10 o'clock



Inspection pictures

Place : RADCLIFFE	Road : STOPES ROAD	Date : 09-Sep-20	Section number : 12	PLR Suffix : X
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Photo: 15_15_91_A.JPG

14.77m, Crack, circumferential at joint, from 11 to 5 o'clock, Start

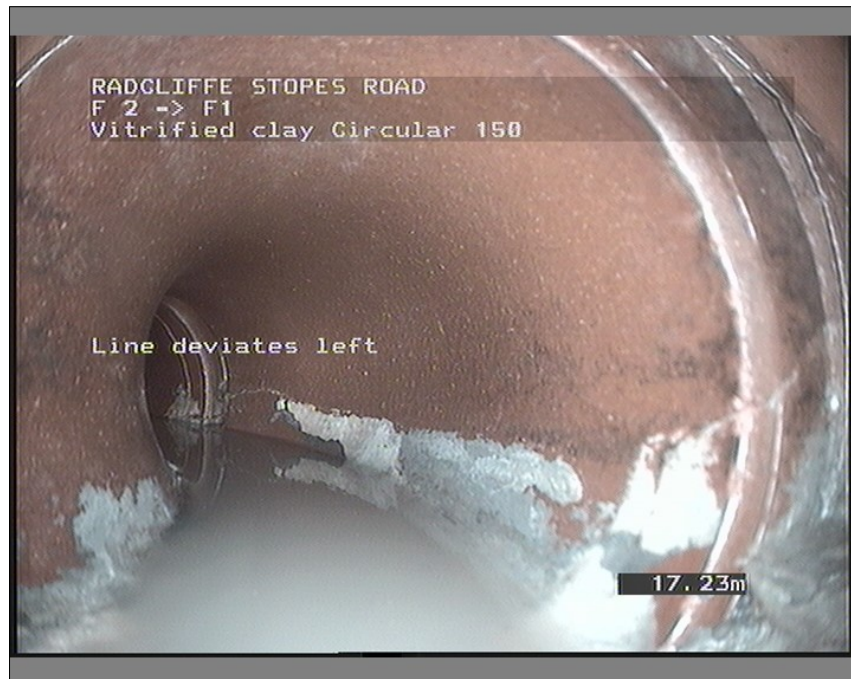
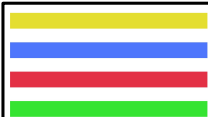


Photo: 15_15_92_A.JPG

17.23m, Line deviates left



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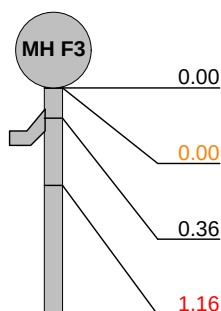
Date : 10-Sep-20	Job number :	Section Type :	Operator : LEE MORTON	Section number : 13	PLR SUFFIX: X
Weather no rain or snow	Vehicle : AE 19 KCU	Camera : camera 2	Preset :	Cleaned : yes	Type of Drain : Gravity drain/sewer

Place : Road : Location Inspection	RADCLIFFE STOPES ROAD Property with buildings MH F3 (U/S) SOURCE	Location details: Catchment: Pipe Shape : Pipe Length	Circular	U/S MH : U/S Depth : D/S MH : D/S Depth :	SOURCE MH F3 1.02
Use: Year laid : Purpose : Total length :	Combined Investment planning 11.26 m	Pipe Width : Pipe Diameter : Pipe material : Lining :	100 mm Vitrified clay		

Comment :

1:90 Position
Depth: 1.02

Observation



Water level, 0% of the vertical dimension

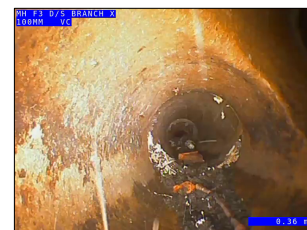
Settled deposits, coarse, 10% cross-sectional area loss

Junction, at 3 o'clock, diameter 100mm

Roots, mass at joint, 40% cross-sectional area loss



0 m



0.36 m



1.16 m

11.04

Line deviates up

11.26

Finish node type, other special chamber reference number: SOURCE

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	1	2	10	1.07	12	5



Inspection pictures

Place : RADCLIFFE	Road : STOPES ROAD	Date : 10-Sep-20	Section number : 13	PLR Suffix : X
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Photo: 16_16_97_A.jpg
0m, Settled deposits, coarse, 10% cross-sectional area loss



Photo: 16_16_98_A.jpg
0.36m, Junction, at 3 o'clock, diameter 100mm



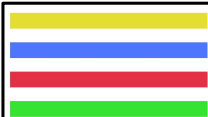
Inspection pictures

Place : RADCLIFFE	Road : STOPES ROAD	Date : 10-Sep-20	Section number : 13	PLR Suffix : X
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Photo: 16_16_99_A.jpg

1.16m, Roots, mass at joint, 40% cross-sectional area loss



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Inspection report

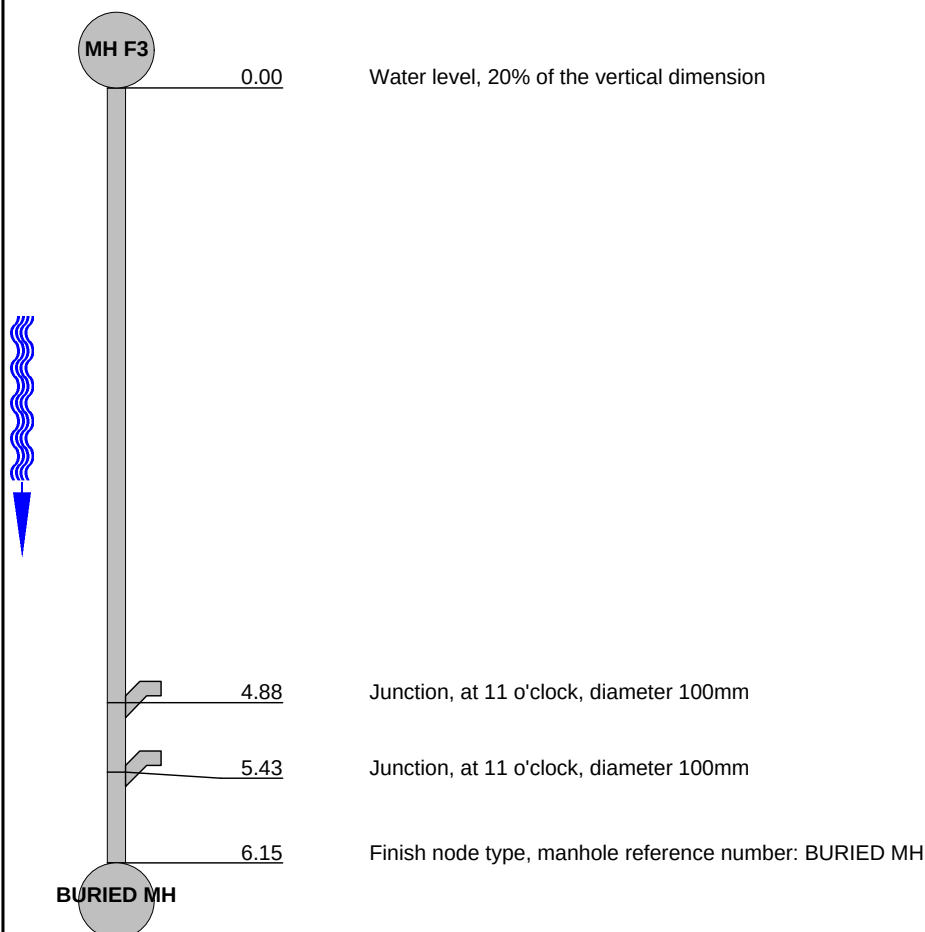
Date : 10-Sep-20	Job number :	Section Type :	Operator : LEE MORTON	Section number : 14	PLR SUFFIX: X
Weather no rain or snow	Vehicle : AE 19 KCU	Camera : camera 2	Preset :	Cleaned : no	Type of Drain : Gravity drain/sewer

Place : Road : Location Inspection	RADCLIFFE STOPES ROAD Property with buildings MH F3 (D/S) BURIED MH	Location details: Catchment: Pipe Shape : Pipe Length	Circular	U/S MH : U/S Depth : D/S MH : D/S Depth :	MH F3 1.02 BURIED MH
Use: Year laid : Purpose : Total length :	Combined Investment planning 6.15 m	Pipe Width : Pipe Diameter : Pipe material : Lining :	 100 mm Vitrified clay		

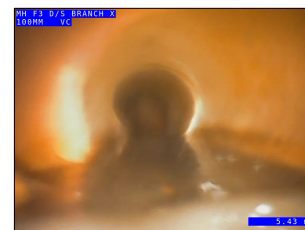
Comment :

1:60 Position
Depth: 1.02

Observation



4.88 m



5.43 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	1	0	0	0	0	1



Inspection pictures

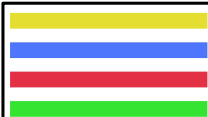
Place : RADCLIFFE	Road : STOPES ROAD	Date : 10-Sep-20	Section number : 14	PLR Suffix : X
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Photo: 17_17_103_A.jpg
 4.88m, Junction, at 11 o'clock, diameter 100mm



Photo: 17_17_104_A.jpg
 5.43m, Junction, at 11 o'clock, diameter 100mm



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20 THE VINERY
Street : NEW LONGTON
Tel: 01772611634
Fax: 01772611634
Email: darren@layersurveys.co.uk

Inspection report

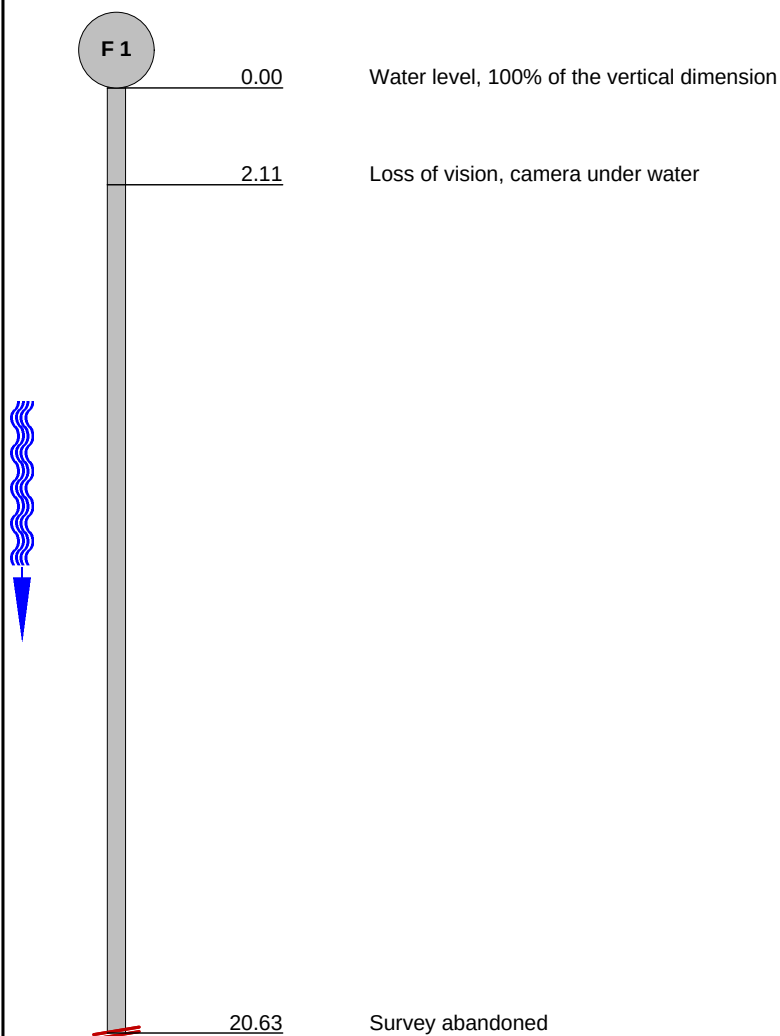
Date : 10-Sep-20	Job number :	Section Type :	Operator : LEE MORTON	Section number : 15	PLR SUFFIX: X
Weather no rain or snow	Vehicle : AE 19 KCU	Camera : camera 2	Preset :	Cleaned : no	Type of Drain : Gravity drain/sewer

Place : Road : Location Inspection	RADCLIFFE STOPES ROAD Property with buildings F 1 (D/S) OUTFALL	Location details: Catchment: Pipe Shape : Pipe Length	Circular	U/S MH : U/S Depth : D/S MH : D/S Depth :	F 1 1.67 OUTFALL
Use: Year laid : Purpose : Total length :	Combined Investment planning 20.63 m	Pipe Width : Pipe Diameter : Pipe material : Lining :	 150 mm Vitrified clay		

Comment :

1:165 Position
Depth: 1.67

Observation



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	1	0	0	0	0	1



Inspection pictures

Place : RADCLIFFE	Road : STOPES ROAD	Date : 10-Sep-20	Section number : 15	PLR Suffix : X
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Photo: 18_18_107_A.jpg
 2.11m, Loss of vision, camera under water



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Fax: 01772611634

Email: darren@layersurveys.co.uk

Inspection report

Date : 10-Sep-20	Job number :	Section Type :	Operator : LEE MORTON	Section number : 16	PLR SUFFIX: X
Weather no rain or snow	Vehicle : AE 19 KCU	Camera : camera 2	Preset :	Cleaned : no	Type of Drain : Gravity drain/sewer

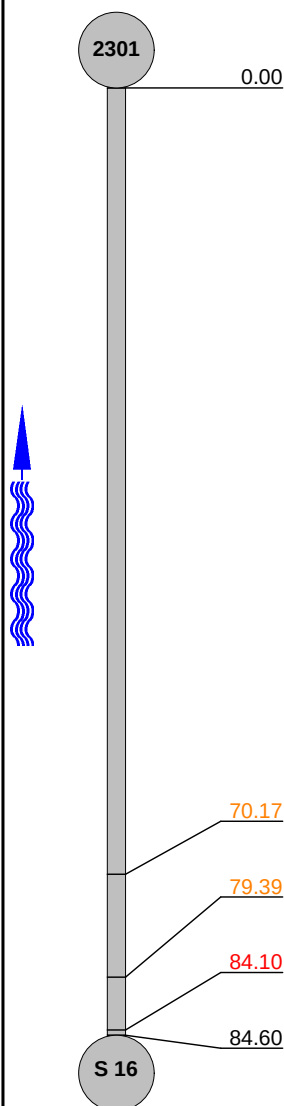
Place : Road : Location Inspection	RADCLIFFE STOPES ROAD Property with buildings 2301 (U/S) S 16	Location details: Catchment: Pipe Shape : Pipe Length	Circular	U/S MH : U/S Depth : D/S MH : D/S Depth :	S 16 2.08 2301 2.84
Use: Year laid : Purpose : Total length :	Surface water Investment planning 84.60 m	Pipe Width : Pipe Diameter : Pipe material : Lining :	 450 mm Concrete		

Comment :

1:675 Position

Depth: 2.84

Observation



Water level, 5% of the vertical dimension



70.17 m



79.39 m



84.1 m



84.6 m

Settled deposits, coarse, 10% cross-sectional area loss

Settled deposits, fine, 10% cross-sectional area loss

Other obstacles, external pipe or cable, from 12 to 6 o'clock, 15% cross-sectional area loss

Finish node type, manhole reference number: S 16

Depth: 2.08

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	1	3	10	0.17	14	5



Inspection pictures

Place : RADCLIFFE	Road : STOPES ROAD	Date : 10-Sep-20	Section number : 16	PLR Suffix : X
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Photo: 19_19_110_A.JPG

70.17m, Settled deposits, coarse, 10% cross-sectional area loss

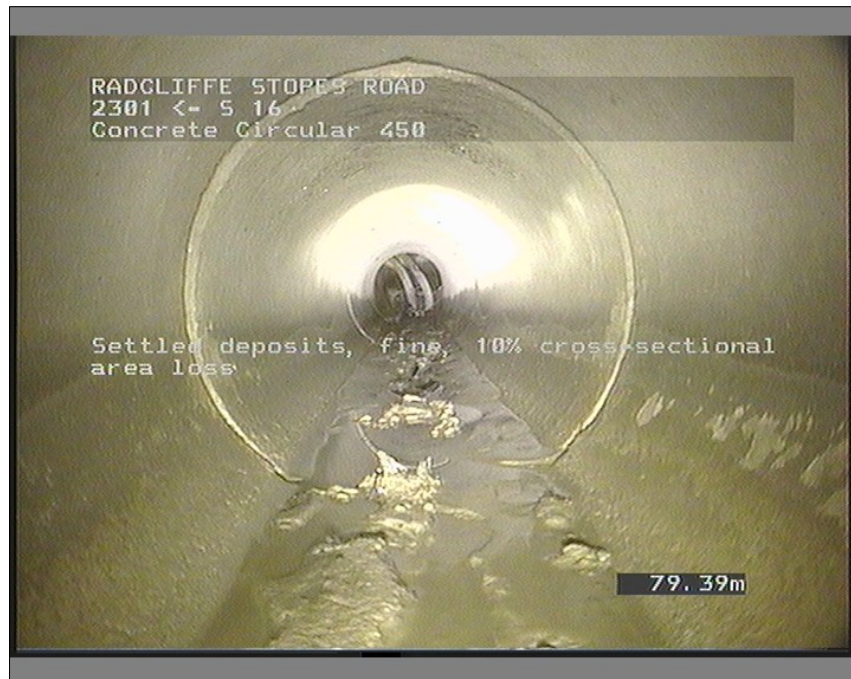


Photo: 19_19_111_A.JPG

79.39m, Settled deposits, fine, 10% cross-sectional area loss



Inspection pictures

Place : RADCLIFFE	Road : STOPES ROAD	Date : 10-Sep-20	Section number : 16	PLR Suffix : X
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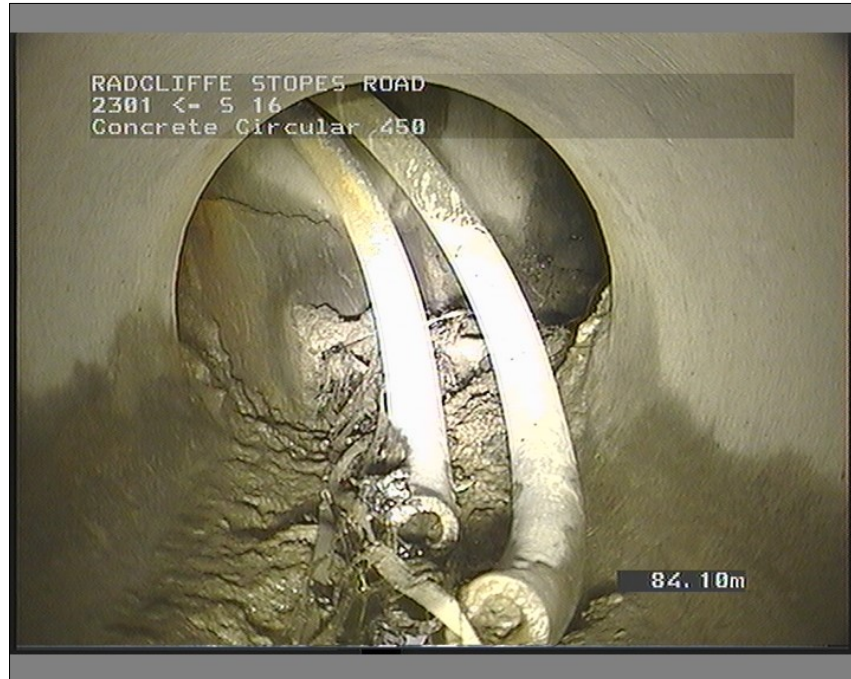


Photo: 19_19_112_A.JPG

84.1m, Other obstacles, external pipe or cable, from 12 to 6 o'clock, 15% cross-sectional area loss



Photo: 19_19_113_A.JPG

84.6m, Finish node type, manhole reference number: S 16