

*Project ref: TV-----*

*30<sup>th</sup> March 2023*

CLIENT:-

SITE: Any Street

Any Where

South East

RS09 RT5

# ***CCTV Survey Report***

*Sewer Inspection, Cleaning and Repair*

***www.insewer.co.uk***

***Tel : 01634 861 768***



*Embedded video links within  
report for online viewing*



## Project Information

**Project Name**  
Sample survey

**Project Number**

**Project Date**  
30/03/2023

### Client

**Street:** Any Street  
**Town or City:** Somewhere

### Site

**Street:** Any Street  
**Town or City:** Anywhere

### Contractor

**Company:** Insewer Surveys  
**Contact:** Liam Sellar  
**Street:** 16a Revenge Road  
**Town or City:** Chatham  
**County:** Kent  
**Post Code:** ME5 8UD  
**Phone:** 01634 861 768  
**Fax:** 01634 201376  
**Mobile:** 07802 660 752



## Table of Contents

Project Name	Project Number	Project Date
Sample survey		30/03/2023

Project Information .....	P-1
Scoring Summary .....	P-2
Section Item 1: IC1-B > IC1 (IC1-BX) .....	1
Section Item 2: IC1 > RUNX (IC1X) .....	3
Section Item 3: IC2 > IC4 (IC2X) .....	5
Section Item 4: IC4 > IC5 (IC4X) .....	7
Section Item 5: IC5 > RUNX (IC5X) .....	9
Section Item 6: IC6 > RUNX (IC6X) .....	11
Section Item 7: IC8 > IC9 (IC8X) .....	13
Section Item 8: IC9 > 5802 (IC9X) .....	15
Section Item 9: IC10 > IC11 (IC10X) .....	17
Section Item 10: IC12 > RUNX (IC12X) .....	19



## Scoring Summary

Project Name  
Sample survey

Project Number

Project Date  
30/03/2023

### Structural Defects

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

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

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

Section	PLR	Grade	Description
9	IC10X	4	Fractures, multiple from 12 o'clock to 12 o'clock, finish

### Service / Operational Condition

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

Grade 4: Best practice suggests consideration should be given to maintenance activity to avoid potential blockages.

Grade 5: Best practice suggests that this pipe is at a high risk of backing up or causing flooding.

Section	PLR	Grade	Description
1	IC1-BX	5	Multiple defects
2	IC1X	5	Roots, mass, 30% cross-sectional area loss, start
3	IC2X	5	Roots, mass at joint, 20% cross-sectional area loss
5	IC5X	3	Roots, mass at joint, 10% cross-sectional area loss
7	IC8X	5	Multiple defects

### Abandoned Surveys

Section	PLR	Description
1	IC1-BX	Survey abandoned
2	IC1X	Survey abandoned
6	IC6X	Survey abandoned
7	IC8X	Survey abandoned
10	IC12X	Survey abandoned

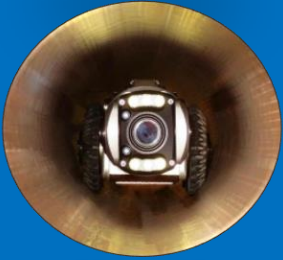
### Information

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





# Site Photos







4601



LOCATION OF 4601



4602



LOCATION OF 4602



4651



LOCATION OF 4651





5601



LOCATION OF 5601



5701



LOCATION OF 5701



5751

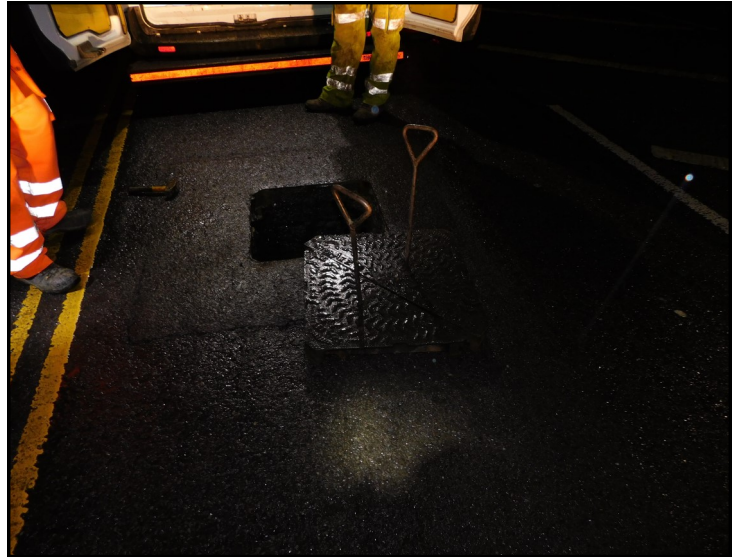


LOCATION OF 5751





5752



LOCATION OF 5752



5802



LOCATION OF 5802



5851



LOCATION OF 5851





6801



LOCATION OF 6801



IC1



LOCATION OF IC1



IC2



LOCATION OF IC2





IC3 ASSUMED CHAMBER DEBRIS FILLED



LOCATION OF IC3



IC4



LOCATION OF IC4



IC5



LOCATION OF IC5





LOCATION OF IC5 IN BANK



IC6



LOCATION OF IC6

IC7 NO CHAMBER PHOTO



LOCATION OF IC7 OBSTRUCTED UNABLE TO LIFT





IC8



LOCATION OF IC8



IC9



LOCATION OF IC9



IC10



LOCATION OF IC10





IC11 UNABLE TO LIFT OBSTRUCTED WITH FALLEN TREE



LOCATION OF IC11



LOCATION OF IC11



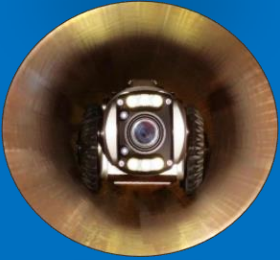
IC12



LOCATION OF IC12



# Site Plan



[www.insewer.co.uk](http://www.insewer.co.uk)

Tel : 01634 861 768





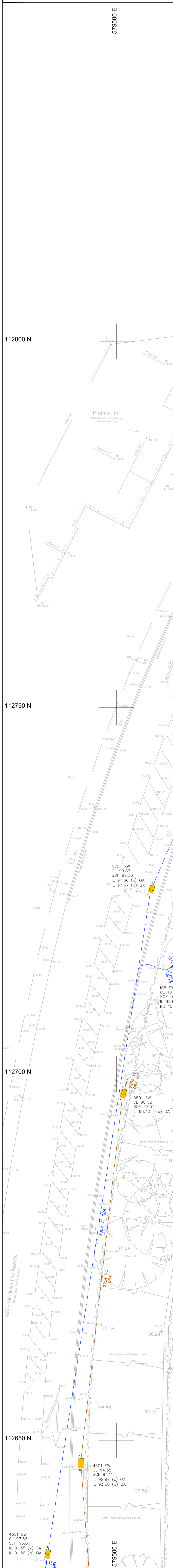
**DETECTION SURVEY REPORT**

**CONNECTIVITY SURVEY**  
All drainage connectivity was carried out in accordance with PAS 128:2014 (Publicly Available Specification from BSI). Quality levels are determined by the detection methodology. Please refer to PAS 128:2014 Quality Level Guide for details.

**CCTV SURVEY**

All drainage was filled with pipe sizes and invert levels recorded. Wherever possible the chamber sites have been recorded and positioned on the drawing. Where a saddle connection is present the position has been achieved by CCTV change unless stated as an assumed connection (ACP). Drains / sewers between manholes are assumed to be straight. If the drain / sewer has been CCTV surveyed, saddle connections and line deviations are indicated and not positioned via Ground Penetrating Radar (GPR) or Electromagnetic Locator (EML). Internal Manholes / Inspection covers are positioned individually from CCTV Change. All sub surface drainage positions should be cross checked in critical areas by EML, GPR survey or hand dug trial holes.  
Attempts have been made to carry out CCTV surveys of all sewers across the entire drainage system at Sedgecombe Road North, Hastings. As pre-cleaning via high pressure water jetting has not taken place, surveys may have been abandoned due to a build up of solids and any other obstructions. In other cases, structural defects within the system may prevent completion of CCTV surveys between assets.

Information regarding the drainage system has been added to the drawing. For all information regarding the CCTV survey, please refer to TV203043 CCTV Report.



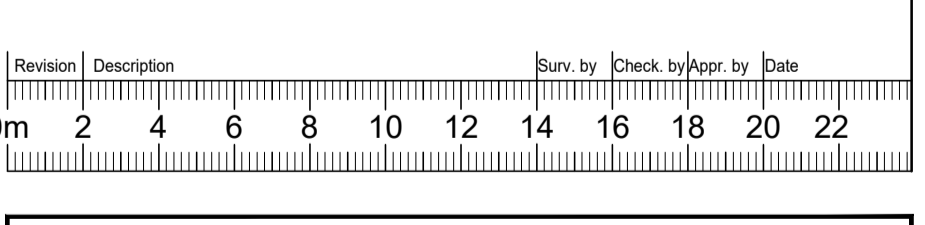
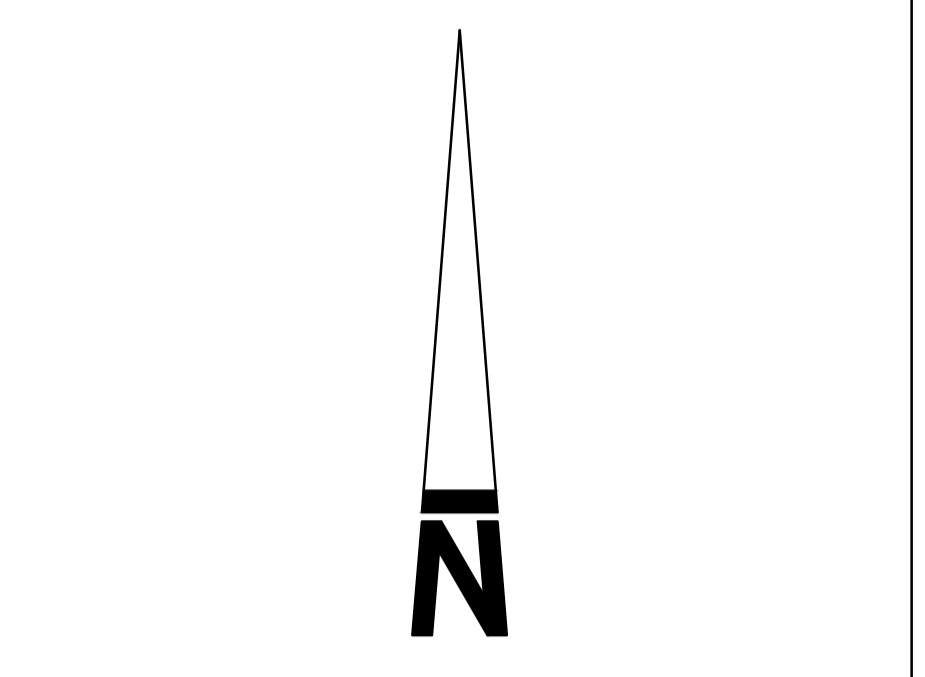
- Notes:**
- 1.
  2. DRAINAGE INFORMATION HAS BEEN DETERMINED WITHOUT MAN ENTRY INTO CHAMBERS AND WHILE EVERY EFFORT HAS BEEN MADE TO CORRECTLY IDENTIFY THIS INFORMATION, IT SHOULD ALWAYS BE CHECKED IN AREAS THAT ARE CRITICAL TO THE FUTURE PROJECT. ALL SEWERS ARE PRESUMED TO BE STRAIGHT BETWEEN CHAMBERS, WITH ROUTES / CONNECTIVITY OBTAINED USING ACOUSTIC METHODS ONLY. THESE ARE TO BE CONSIDERED ASSUMED AND SHOULD BE INVESTIGATED FURTHER IN CRITICAL AREAS. KINKS AND DEVIATIONS ARE INDICATED UNLESS SPECIFIED HAVE NOT BEEN ACCURATELY POSITIONED VIA ELECTROMAGNETIC LOCATOR (EML), GROUND PENETRATING RADAR (GPR). ALL SUB SURFACE DRAINAGE POSITIONS SHOULD BE CROSS CHECKED IN CRITICAL AREAS BY EML, OR GPR SURVEY OR HAND DUG TRIAL HOLES.
  3. CONNECTIONS FROM RAIN WATER PIPES, GULLIES, KERB OUTLETS, SOIL PIPES ETC SHOULD BE TREATED AS ASSUMED ONLY, UNLESS PROVEN WITH A CCTV SURVEY.
  4. SURVEY TO BE READ IN CONJUNCTION WITH TV203043 CCTV REPORT.

ABBREVIATIONS		DRAINAGE KEY	
(ACP)	ASSUMED CONNECTION POINT	MH	MANHOLE
(AG)	ASSUMED GROUND	OL	OUTLET
(AR)	ASSUMED ROUTE	OU	OUTFALL
BS	BASE DEPTH	PF	PITCH FIBRE
BK	BRICK	PP	POLYPROPYLENE
BL	BASE LEVEL	PT	PIPE ON WALL
CL	CAST IRON	PTG	PIPE TO GROUND
CU	COVER LEVEL	PS	PIPE TO SURFACE
CO	CONCRETE	PVC	POLYVINYL CHLORIDE
CR	CURB	PVC-U	ULTRA HIGH DENSITY POLYETHYLENE
CP	CATCHPIT	R	ROUTE FROM RECORDS
CW	COMBINED WATER	RCP	RISING MAIN
DCH	DRAINAGE CHANNEL	RWP	RAIN WATER PIPE
DI	DUCTILE IRON	SOP	SOFFIT OF BSOUT
FD	FILTER DRAIN	SW	SOIL PIPE
FW	FOLI WATER	SVP	SOIL VENT PIPE
GR	GRASS	SWP	SOIL WATER PIPE
IC	INSPECTION COVER	TW	TRACE EFFLUENT WATER
IL	INVERT LEVEL	UL	UNABLE TO LOCATE
INT	INTERCEPTOR	ULR	UNABLE TO RAISE
IT	INLET	US	UNABLE TO SURVEY
KO	KERB OUTLET	VC	VERIFIED
LH	LAMP HOLE	VP	VENT PIPE
		WL	WATER LEVEL

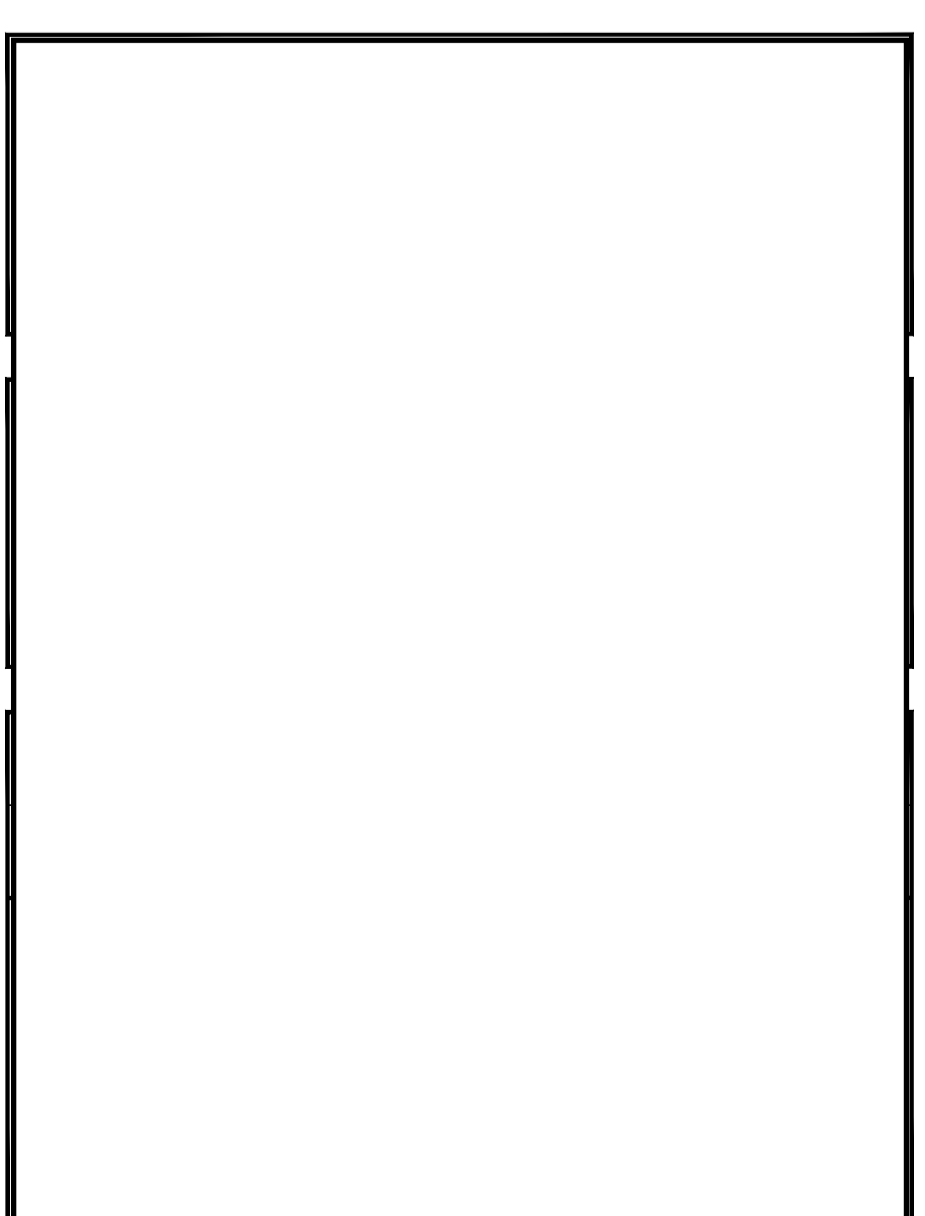
  

LEGEND	
COINED SEWER	— P-TRAP
FOLI WATER SEWER	— BACK (PROF EXTERNAL)
SURFACE WATER SEWER	— BACK (PROF INTERNAL)
TRAIL EXISTING SEWER	— BUND MARKING
UNIDENTIFIED SEWER	— UNABLE TO CCTV SURVEY
RESIDUAL	— CAPTION
MANHOLE	— ELECTRONICALLY DERIVED
UNDERGROUND CHAMBER	— DRAINAGE POSITION AS SHOWN IN BLOCK

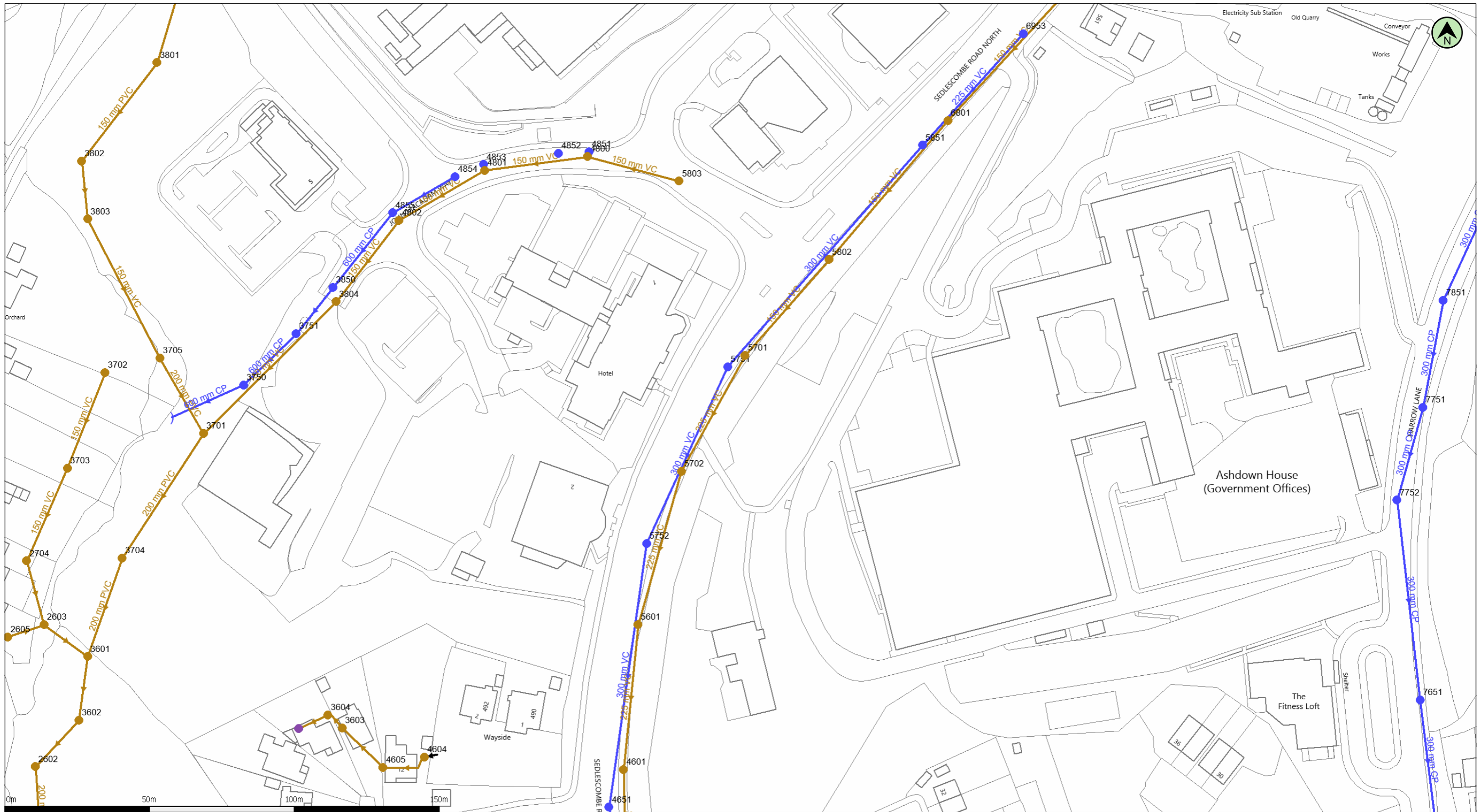
PAS 128:2014 Quality Level Guide		
Quality Level	Description	Accuracy
GB4	A utility is expected to exist but cannot be detected. (AR), (R), (V)	Unverified
GB5	Horizontal location only using one geophysical technique.	± 200mm Horizontal Unverified Vertical
GB6	Horizontal and vertical location only using one geophysical technique.	± 200mm ± 40% of depth whichever is greater
GB7	Horizontal and vertical location only using two geophysical techniques.	± 150mm or 40% of depth whichever is greater
GA	Service verified in an open excavation, made an inspection chamber / manhole / at the point of service entry / into the ground.	± 50mm Horizontal ± 20mm Vertical



Drainage and CCTV Survey







(c) Crown copyright and database rights 2023 Ordnance Survey 100031673

Date: 27/02/23

Scale: 1:1271

Map Centre: 579536,112772

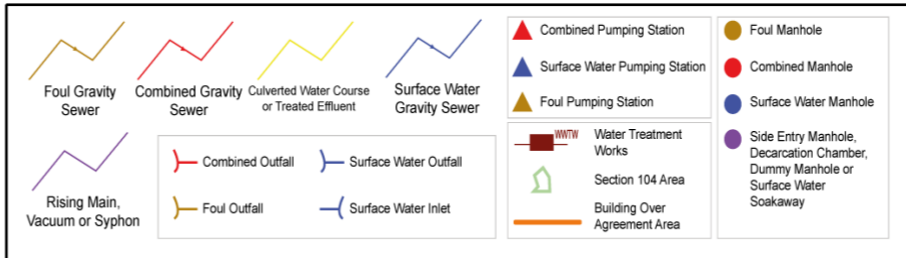
Data updated: 06/01/23

Wastewater Plan A3

The positions of pipes shown on this plan are believed to be correct, but Southern Water Services Ltd accept no responsibility in the event of inaccuracy. The actual positions should be determined on site. This plan is produced by Southern Water Services Ltd (c) Crown copyright and database rights 2023 Ordnance Survey 100031673. This map is to be used for the purposes of viewing the location of Southern Water plant only. Any other uses of the map data or further copies is not permitted.

WARNING: BAC pipes are constructed of Bonded Asbestos Cement.

WARNING: Unknown (UNK) materials may include Bonded Asbestos Cement.

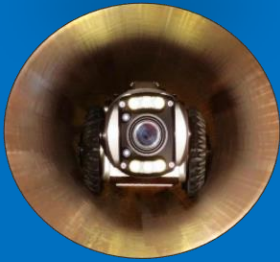


liam@insewer.co.uk





# Report



[www.insewer.co.uk](http://www.insewer.co.uk)

Tel : 01634 861 768





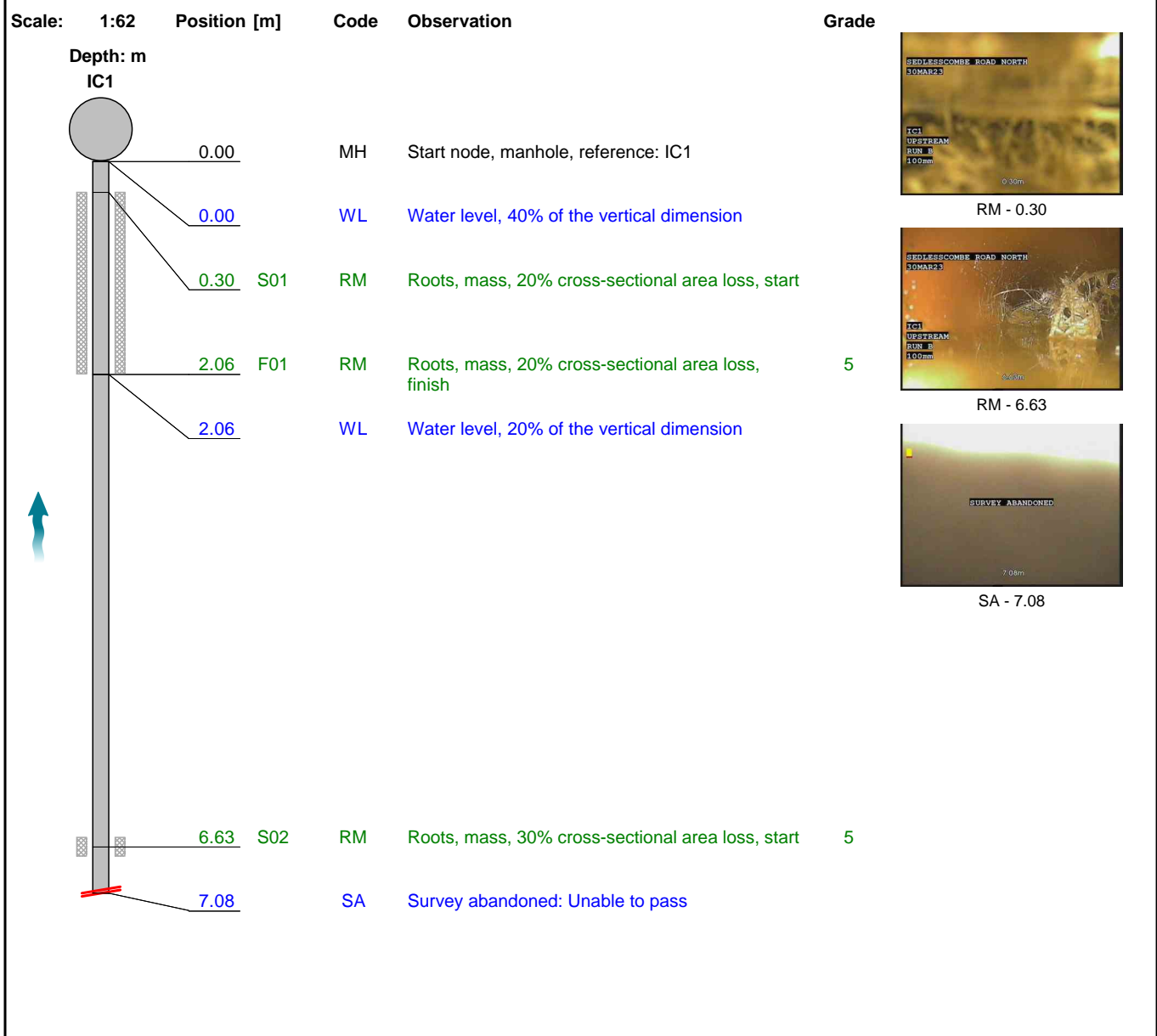
## Section Inspection - 30/03/2023 - IC1-BX



Item No. 1	Insp. No. 1	Date 30/03/23	Time 9:13	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR IC1-BX
Operator InSewer DW		Vehicle .		Camera 0	Preset Length Not Specified	Legal Status -	Alternative ID -

Town or Village: Anywhere	Inspection Direction: Upstream	Upstream Node: IC1-B
Road: Any Street	Inspected Length: 7.08 m	Upstream Pipe Depth:
Location: Property or buildings	Total Length: 7.08 m	Downstream Node: IC1
Surface Type:	Joint Length:	Downstream Pipe Depth:
Use: Foul	Pipe Shape: Circular	
Type of Pipe: -	Dia/Height: 100 mm	
Flow Control: -	Material: Vitrified clay	
Year Constructed: Not Specified	Lining Type: No Lining	
Inspection Purpose: Investment planning	Lining Material: No Lining	

**Comments:**  
**Recommendations:** -



Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	2	10.0	4.2	30.0	5.0



Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
1	Upstream	IC1-BX		



1, 00:00:11, 0.30 m  
Roots, mass, 20% cross-sectional area loss, start



2, 00:01:09, 6.63 m  
Roots, mass, 30% cross-sectional area loss, start



3, 00:01:20, 7.08 m  
Survey abandoned, Unable to pass



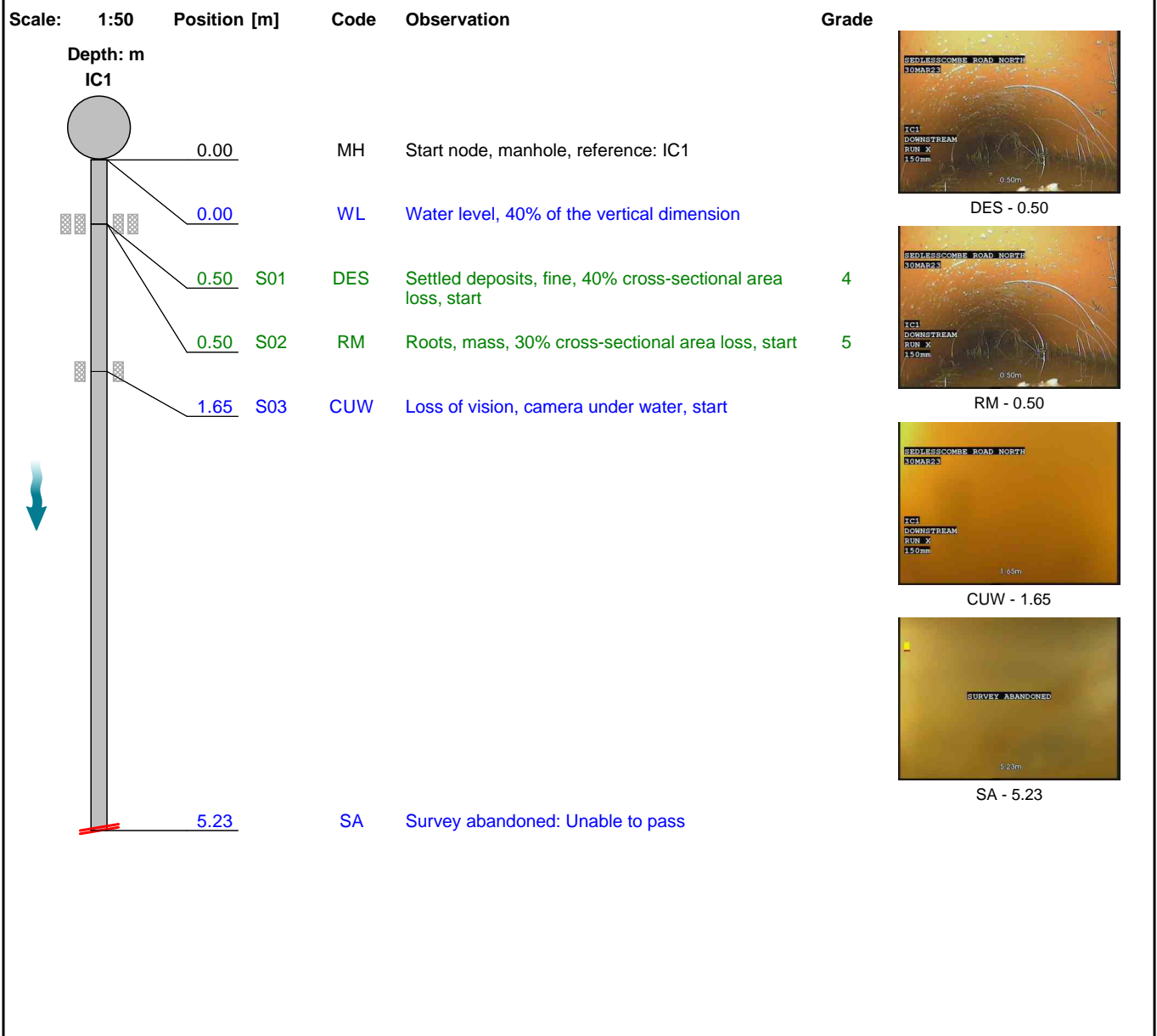
## Section Inspection - 30/03/2023 - IC1X



Item No. 2	Insp. No. 1	Date 30/03/23	Time 9:16	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR IC1X
Operator InSewer DW		Vehicle .		Camera 0	Preset Length Not Specified	Legal Status -	Alternative ID -

Town or Village: Anywhere	Inspection Direction: Downstream	Upstream Node: IC1
Road: Any Street	Inspected Length: 5.23 m	Upstream Pipe Depth:
Location: Property or buildings	Total Length: 5.23 m	Downstream Node: RUN X
Surface Type:	Joint Length:	Downstream Pipe Depth:
Use: Foul	Pipe Shape: Circular	
Type of Pipe: -	Dia/Height: 150 mm	
Flow Control: -	Material: Vitrified clay	
Year Constructed: Not Specified	Lining Type: No Lining	
Inspection Purpose: Investment planning	Lining Material: No Lining	

**Comments:**  
**Recommendations:** -



Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	2	0.0	2.9	15.0	4.0





Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
2	Downstream	IC1X		



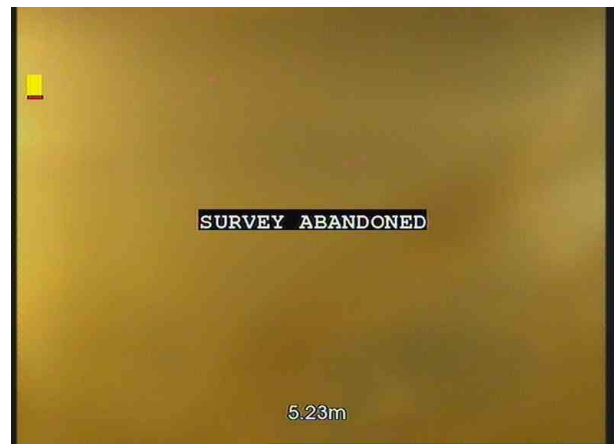
1, 00:00:12, 0.50 m  
Settled deposits, fine, 40% cross-sectional area loss, start



2, 00:00:18, 0.50 m  
Roots, mass, 30% cross-sectional area loss, start



3, 00:00:56, 1.65 m  
Loss of vision, camera under water, start



4, 00:01:51, 5.23 m  
Survey abandoned, Unable to pass



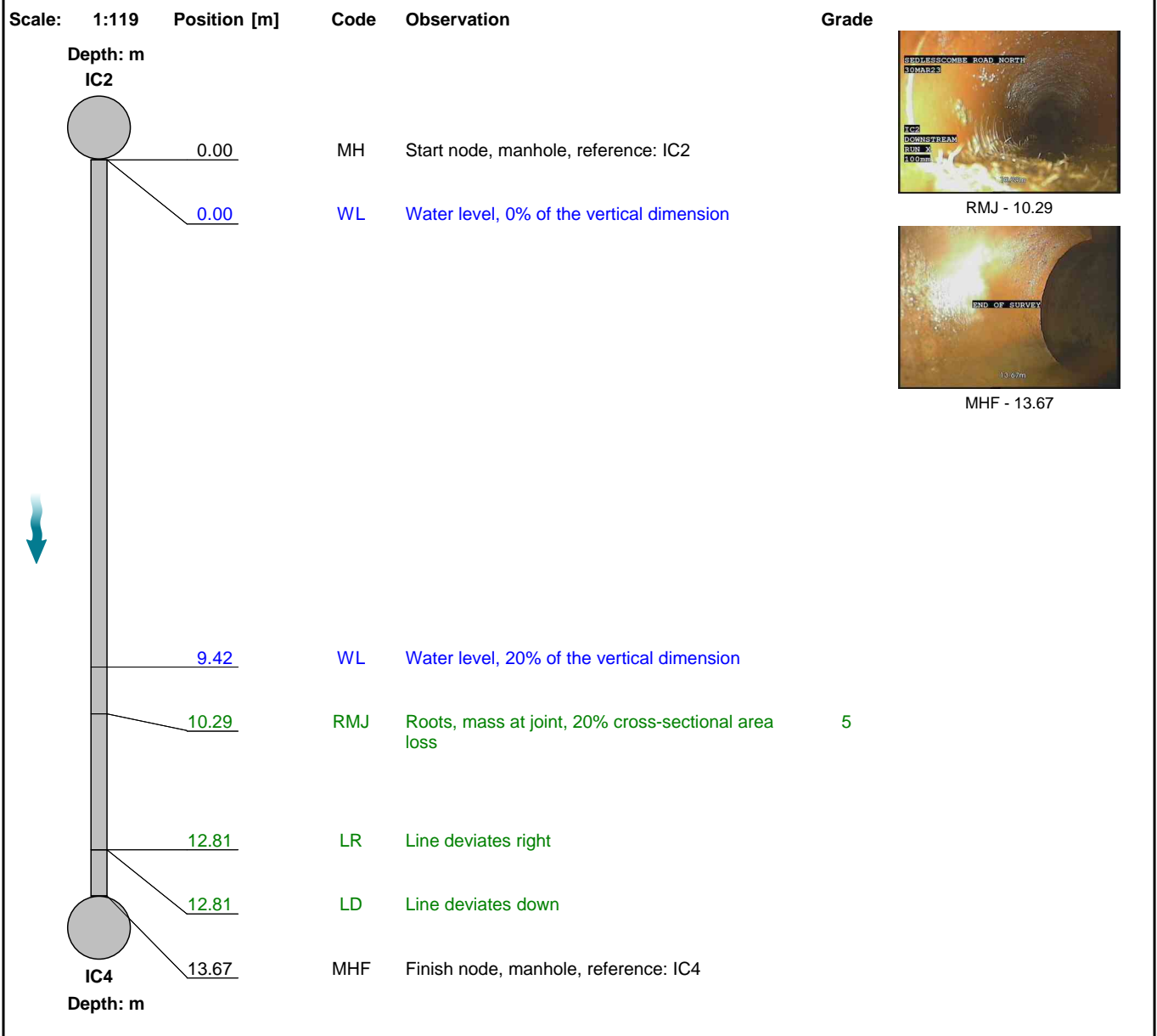
## Section Inspection - 30/03/2023 - IC2X



Item No. 3	Insp. No. 1	Date 30/03/23	Time 9:34	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR IC2X
Operator InSewer DW		Vehicle .		Camera 0	Preset Length Not Specified	Legal Status -	Alternative ID -

<b>Town or Village:</b>	Anywhere	<b>Inspection Direction:</b>	Downstream	<b>Upstream Node:</b>	IC2
<b>Road:</b>	Any Street	<b>Inspected Length:</b>	13.67 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>	Property or buildings	<b>Total Length:</b>	13.67 m	<b>Downstream Node:</b>	IC4
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	
<b>Use:</b>	Surface water	<b>Pipe Shape:</b>	Circular	<b>Dia/Height:</b>	100 mm
<b>Type of Pipe:</b>	-	<b>Material:</b>	Vitrified clay	<b>Lining Type:</b>	No Lining
<b>Flow Control:</b>	-	<b>Lining Material:</b>	No Lining		
<b>Year Constructed:</b>	Not Specified				
<b>Inspection Purpose:</b>	Investment planning				

**Comments:**  
**Recommendations:** -



Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	1	10.0	0.7	10.0	5.0



Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
3	Downstream	IC2X		



1, 00:01:02, 10.29 m  
Roots, mass at joint, 20% cross-sectional area loss



2, 00:01:54, 13.67 m  
Finish node, manhole, reference: IC4



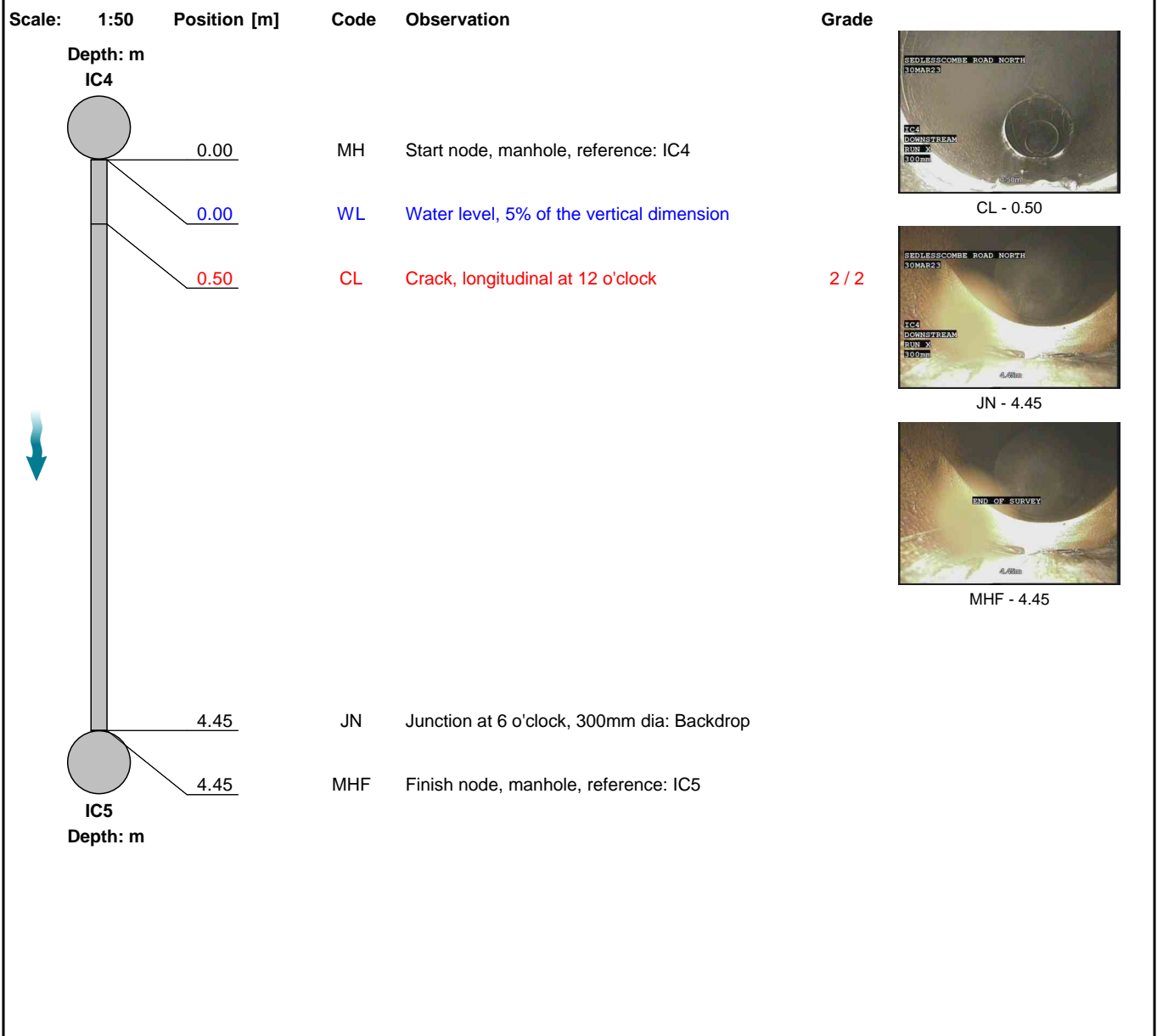
## Section Inspection - 30/03/2023 - IC4X



Item No. 4	Insp. No. 1	Date 30/03/23	Time 9:48	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR IC4X
Operator InSewer DW		Vehicle .		Camera 0	Preset Length Not Specified	Legal Status -	Alternative ID -

<b>Town or Village:</b>	Anywhere	<b>Inspection Direction:</b>	Downstream	<b>Upstream Node:</b>	IC4
<b>Road:</b>	Any Street	<b>Inspected Length:</b>	4.45 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>	Property or buildings	<b>Total Length:</b>	4.45 m	<b>Downstream Node:</b>	IC5
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	
<b>Use:</b>	Surface water	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	-	<b>Dia/Height:</b>	300 mm		
<b>Flow Control:</b>	-	<b>Material:</b>	Vitrified clay		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Investment planning	<b>Lining Material:</b>	No Lining		

**Comments:**  
**Recommendations:** -



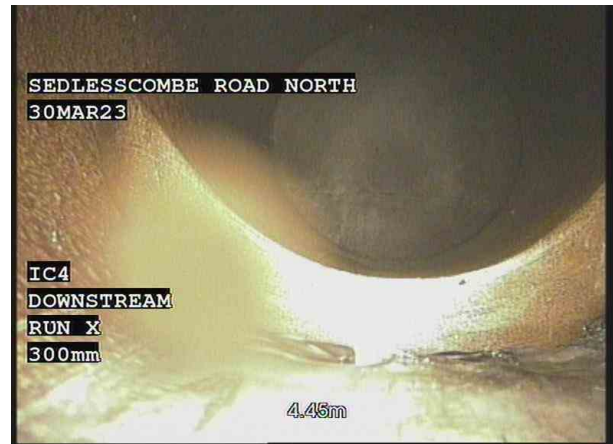
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
1	10.0	2.2	10.0	2.0	1	1.0	0.2	1.0	2.0



Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
4	Downstream	IC4X		



1, 00:00:10, 0.50 m  
Crack, longitudinal at 12 o'clock



2, 00:00:46, 4.45 m  
Junction at 6 o'clock, 300mm dia, Backdrop



3, 00:00:56, 4.45 m  
Finish node, manhole, reference: IC5



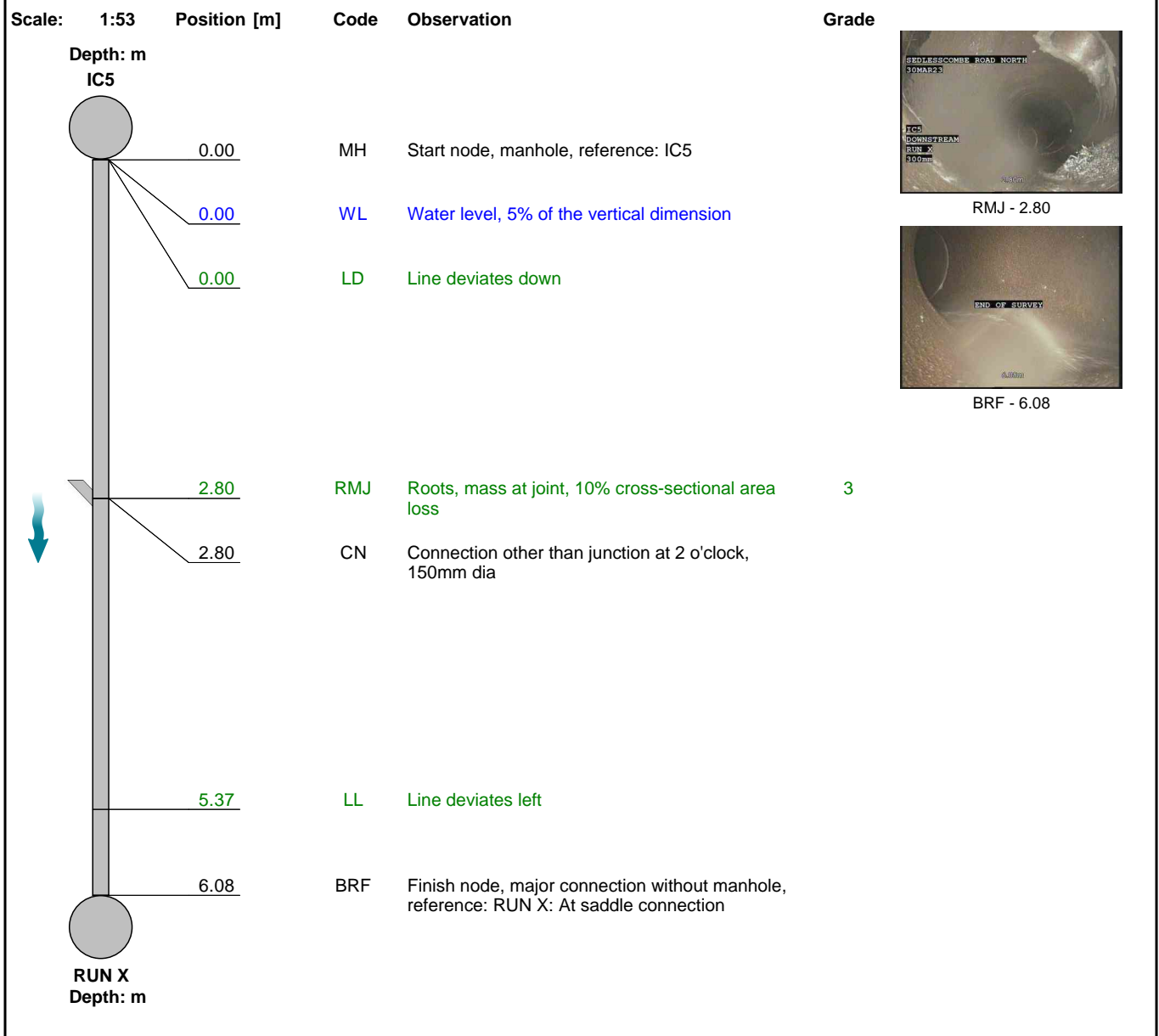
## Section Inspection - 30/03/2023 - IC5X



Item No. 5	Insp. No. 1	Date 30/03/23	Time 9:50	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR IC5X
Operator InSewer DW		Vehicle .		Camera 0	Preset Length Not Specified	Legal Status -	Alternative ID -

<b>Town or Village:</b>	Anywhere	<b>Inspection Direction:</b>	Downstream	<b>Upstream Node:</b>	IC5
<b>Road:</b>	Any Street	<b>Inspected Length:</b>	6.08 m	<b>Upstream Pipe Depth:</b>	
<b>Location:</b>	Property or buildings	<b>Total Length:</b>	6.08 m	<b>Downstream Node:</b>	RUN X
<b>Surface Type:</b>		<b>Joint Length:</b>		<b>Downstream Pipe Depth:</b>	
<b>Use:</b>	Surface water	<b>Pipe Shape:</b>	Circular		
<b>Type of Pipe:</b>	-	<b>Dia/Height:</b>	300 mm		
<b>Flow Control:</b>	-	<b>Material:</b>	Vitrified clay		
<b>Year Constructed:</b>	Not Specified	<b>Lining Type:</b>	No Lining		
<b>Inspection Purpose:</b>	Investment planning	<b>Lining Material:</b>	No Lining		

**Comments:**  
**Recommendations:** -



Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	1	4.0	0.7	4.0	3.0





Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
5	Downstream	IC5X		



1, 00:00:32, 2.80 m  
Roots, mass at joint, 10% cross-sectional area loss



2, 00:01:50, 6.08 m  
Finish node, major connection without manhole, reference:  
RUN X, At saddle connection



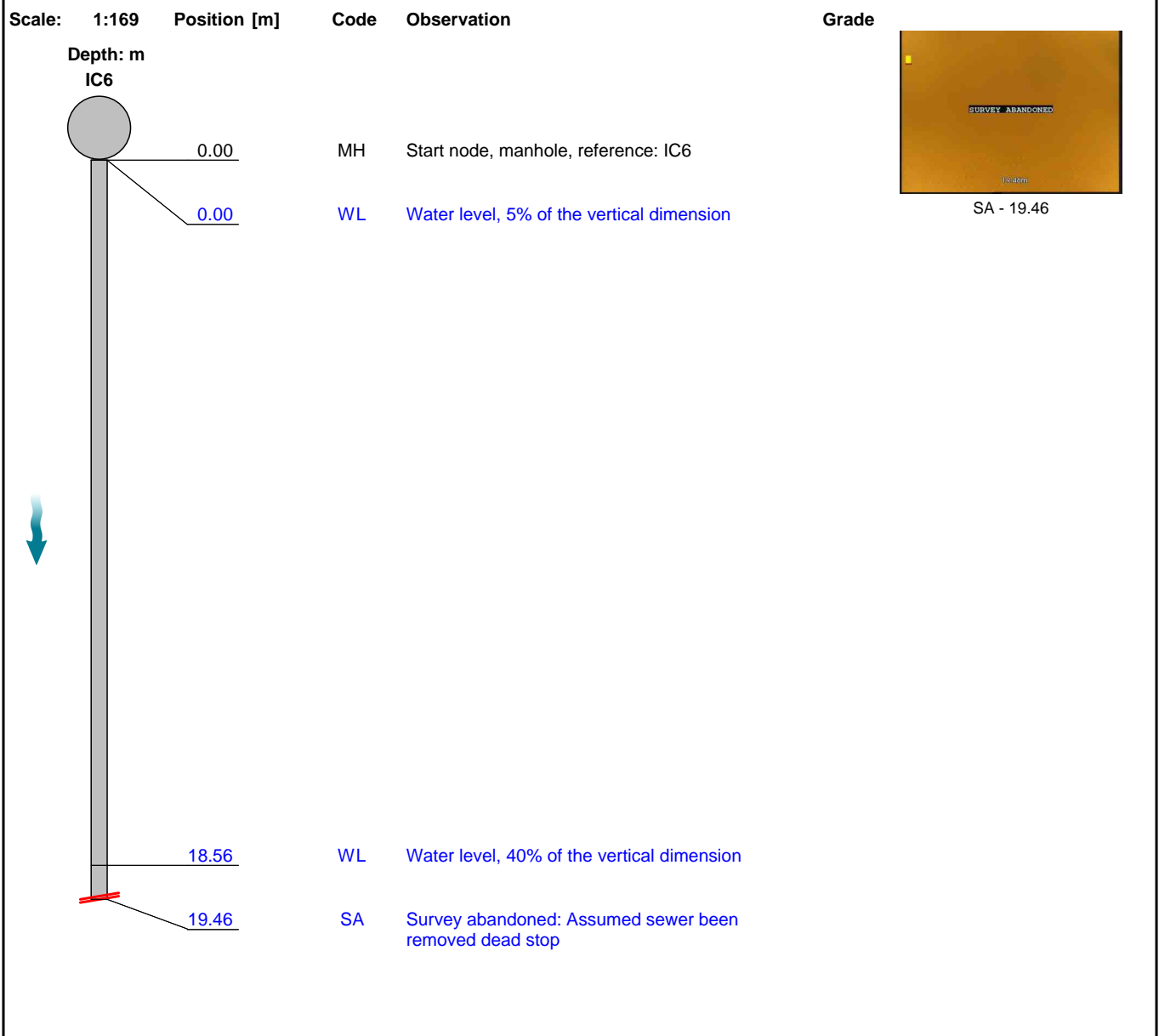
**Section Inspection - 30/03/2023 - IC6X**



Item No. 6	Insp. No. 1	Date 30/03/23	Time 10:06	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR IC6X
Operator InSewer DW		Vehicle .		Camera 0	Preset Length Not Specified	Legal Status -	Alternative ID -

<b>Town or Village:</b> Anywhere	<b>Inspection Direction:</b> Downstream	<b>Upstream Node:</b> IC6
<b>Road:</b> Any Street	<b>Inspected Length:</b> 19.46 m	<b>Upstream Pipe Depth:</b>
<b>Location:</b> Property or buildings	<b>Total Length:</b> 19.46 m	<b>Downstream Node:</b> RUN X
<b>Surface Type:</b>	<b>Joint Length:</b>	<b>Downstream Pipe Depth:</b>
<b>Use:</b> Surface water	<b>Pipe Shape:</b> Circular	
<b>Type of Pipe:</b> -	<b>Dia/Height:</b> 100 mm	
<b>Flow Control:</b> -	<b>Material:</b> Vitrified clay	
<b>Year Constructed:</b> Not Specified	<b>Lining Type:</b> No Lining	
<b>Inspection Purpose:</b> Investment planning	<b>Lining Material:</b> No Lining	

**Comments:**  
**Recommendations:** -

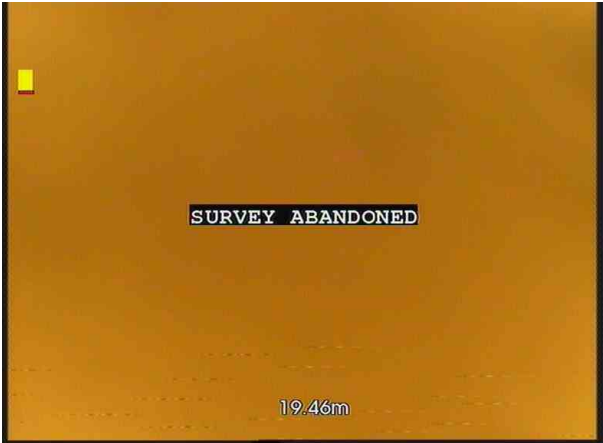


Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0





Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
6	Downstream	IC6X		



1, 00:01:27, 19.46 m

Survey abandoned, Assumed sewer been removed dead stop



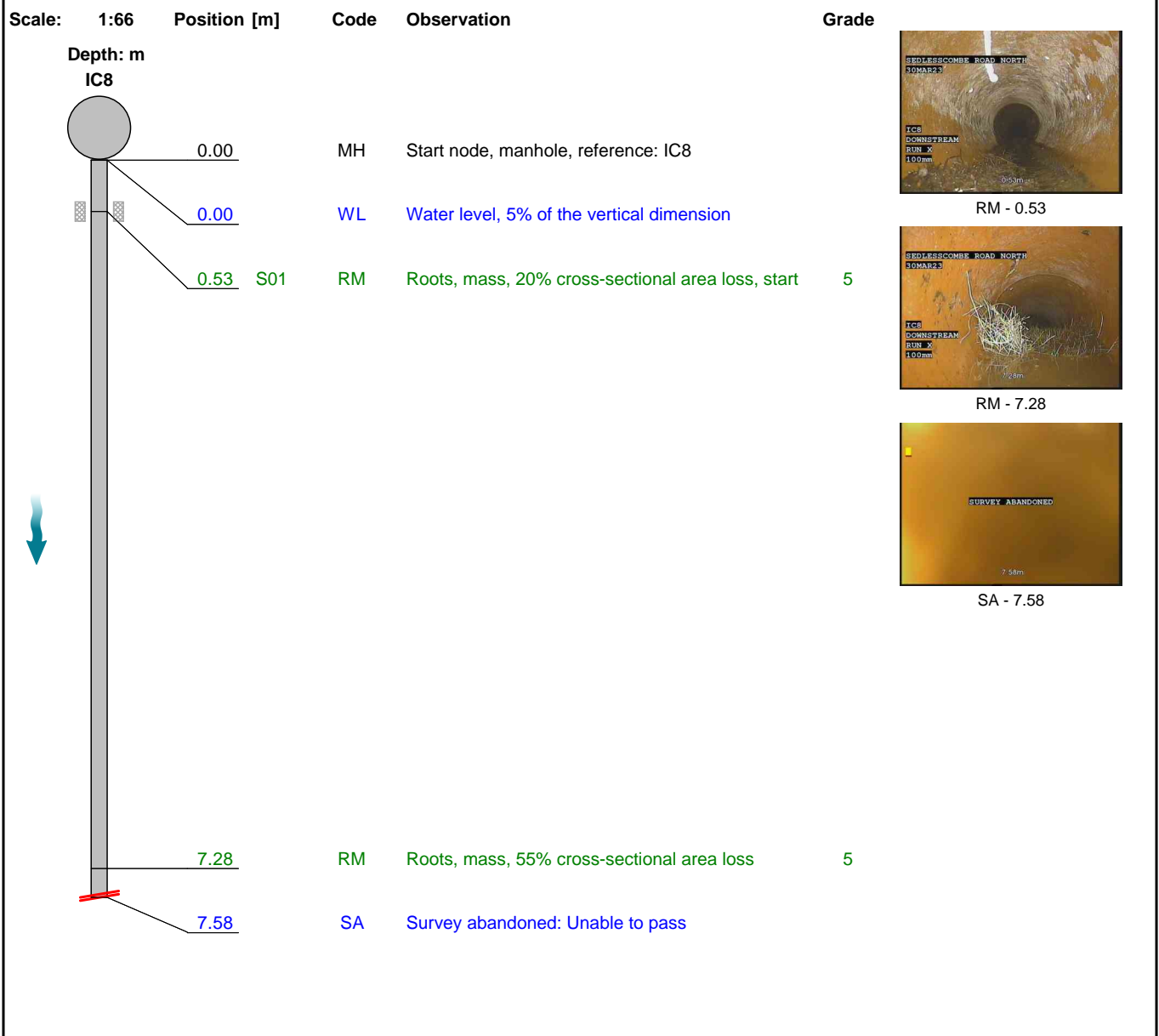
## Section Inspection - 30/03/2023 - IC8X



Item No. 7	Insp. No. 1	Date 30/03/23	Time 10:21	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR IC8X
Operator InSewer DW		Vehicle .		Camera 0	Preset Length Not Specified	Legal Status -	Alternative ID -

Town or Village: Anywhere	Inspection Direction: Downstream	Upstream Node: IC8
Road: Any Street	Inspected Length: 7.58 m	Upstream Pipe Depth:
Location: Property or buildings	Total Length: 7.58 m	Downstream Node: IC9
Surface Type:	Joint Length:	Downstream Pipe Depth:
Use: Foul	Pipe Shape: Circular	
Type of Pipe: -	Dia/Height: 150 mm	
Flow Control: -	Material: Vitrified clay	
Year Constructed: Not Specified	Lining Type: No Lining	
Inspection Purpose: Investment planning	Lining Material: No Lining	

Comments:  
Recommendations: -



Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	2	15.0	3.3	25.0	5.0



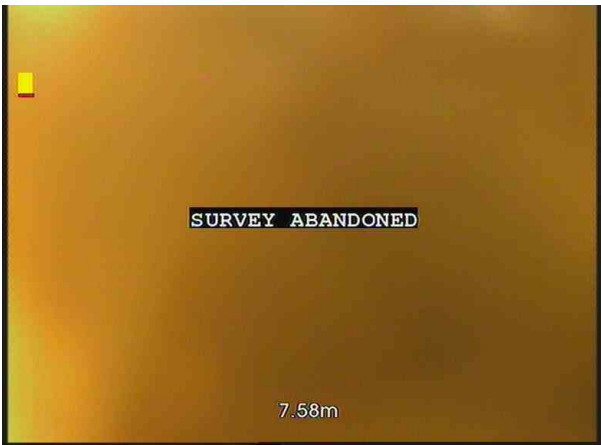
Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
7	Downstream	IC8X		



1, 00:00:09, 0.53 m  
Roots, mass, 20% cross-sectional area loss, start



2, 00:01:15, 7.28 m  
Roots, mass, 55% cross-sectional area loss



3, 00:01:28, 7.58 m  
Survey abandoned, Unable to pass



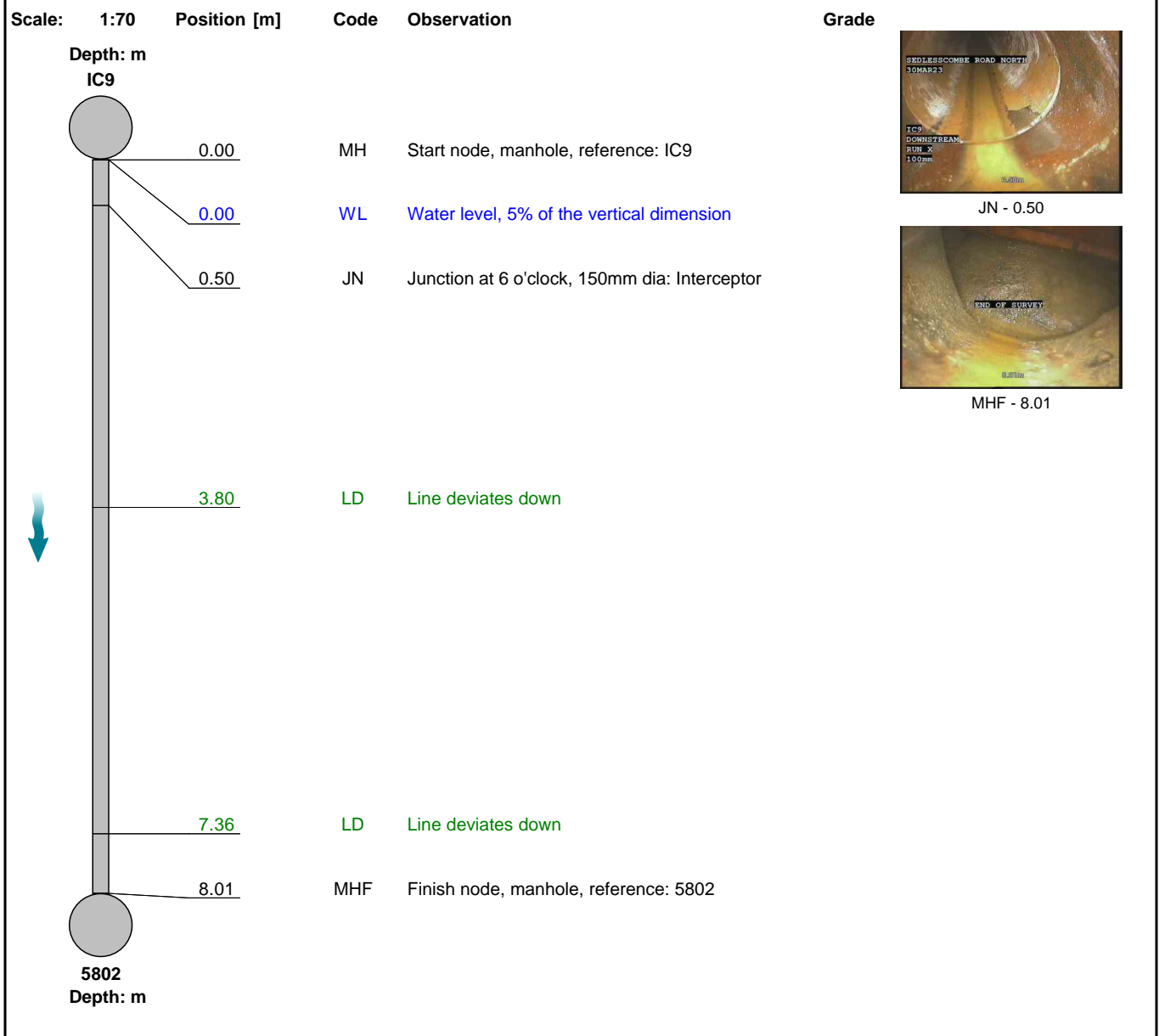
## Section Inspection - 30/03/2023 - IC9X



Item No. 8	Insp. No. 1	Date 30/03/23	Time 10:36	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR IC9X
Operator InSewer DW		Vehicle .		Camera 0	Preset Length Not Specified	Legal Status -	Alternative ID -

<b>Town or Village:</b> Anywhere	<b>Inspection Direction:</b> Downstream	<b>Upstream Node:</b> IC9
<b>Road:</b> Any Street	<b>Inspected Length:</b> 8.01 m	<b>Upstream Pipe Depth:</b>
<b>Location:</b> Property or buildings	<b>Total Length:</b> 8.01 m	<b>Downstream Node:</b> 5802
<b>Surface Type:</b>	<b>Joint Length:</b>	<b>Downstream Pipe Depth:</b>
<b>Use:</b> Foul	<b>Pipe Shape:</b> Circular	
<b>Type of Pipe:</b> -	<b>Dia/Height:</b> 150 mm	
<b>Flow Control:</b> -	<b>Material:</b> Vitrified clay	
<b>Year Constructed:</b> Not Specified	<b>Lining Type:</b> No Lining	
<b>Inspection Purpose:</b> Investment planning	<b>Lining Material:</b> No Lining	

**Comments:**  
**Recommendations:** -



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



Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
8	Downstream	IC9X		



1, 00:00:15, 0.50 m  
Junction at 6 o'clock, 150mm dia, Interceptor



2, 00:01:06, 8.01 m  
Finish node, manhole, reference: 5802



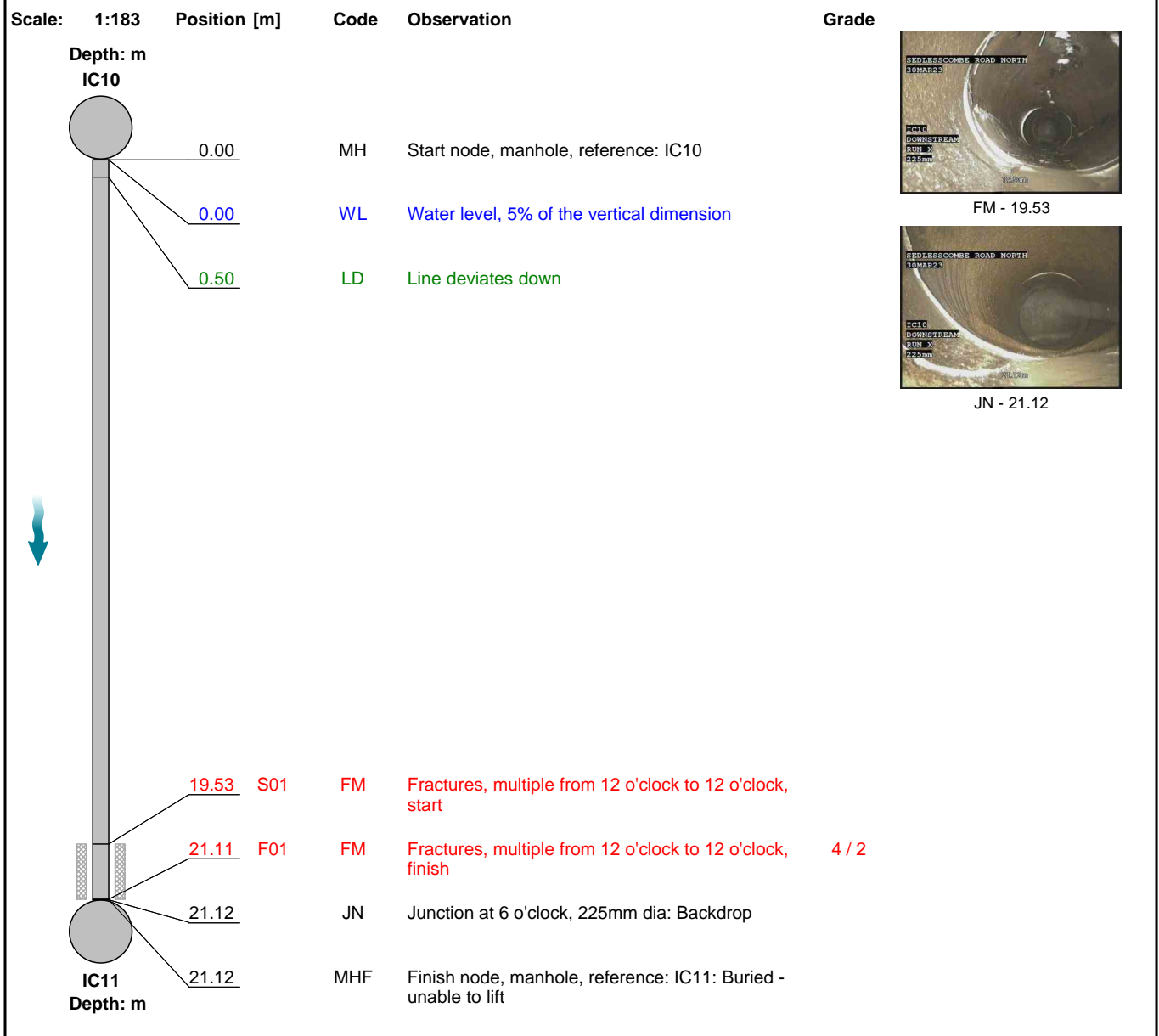
## Section Inspection - 30/03/2023 - IC10X



Item No. 9	Insp. No. 1	Date 30/03/23	Time 10:42	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR IC10X
Operator InSewer DW		Vehicle .		Camera 0	Preset Length Not Specified	Legal Status -	Alternative ID -

Town or Village: Anywhere	Inspection Direction: Downstream	Upstream Node: IC10
Road: Any Street	Inspected Length: 21.12 m	Upstream Pipe Depth:
Location: Property or buildings	Total Length: 21.12 m	Downstream Node: IC11
Surface Type:	Joint Length:	Downstream Pipe Depth:
Use: Surface water	Pipe Shape: Circular	
Type of Pipe: -	Dia/Height: 225 mm	
Flow Control: -	Material: Vitrified clay	
Year Constructed: Not Specified	Lining Type: No Lining	
Inspection Purpose: Investment planning	Lining Material: No Lining	

**Comments:**  
**Recommendations:** -

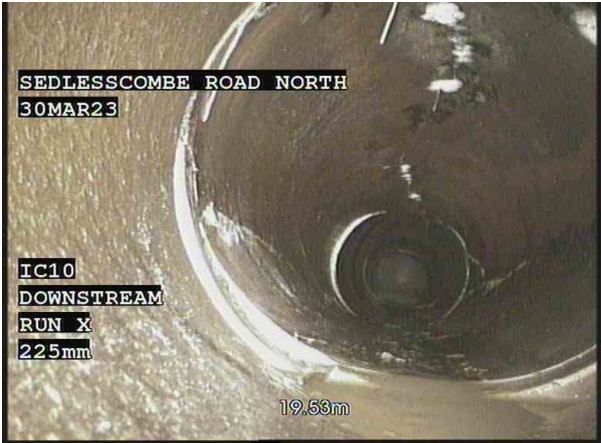


Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
1	80.0	7.6	160.0	4.0	1	1.0	0.1	2.0	2.0





Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
9	Downstream	IC10X		



1, 00:01:16, 19.53 m  
Fractures, multiple from 12 o'clock to 12 o'clock, start



2, 00:01:56, 21.12 m  
Junction at 6 o'clock, 225mm dia, Backdrop



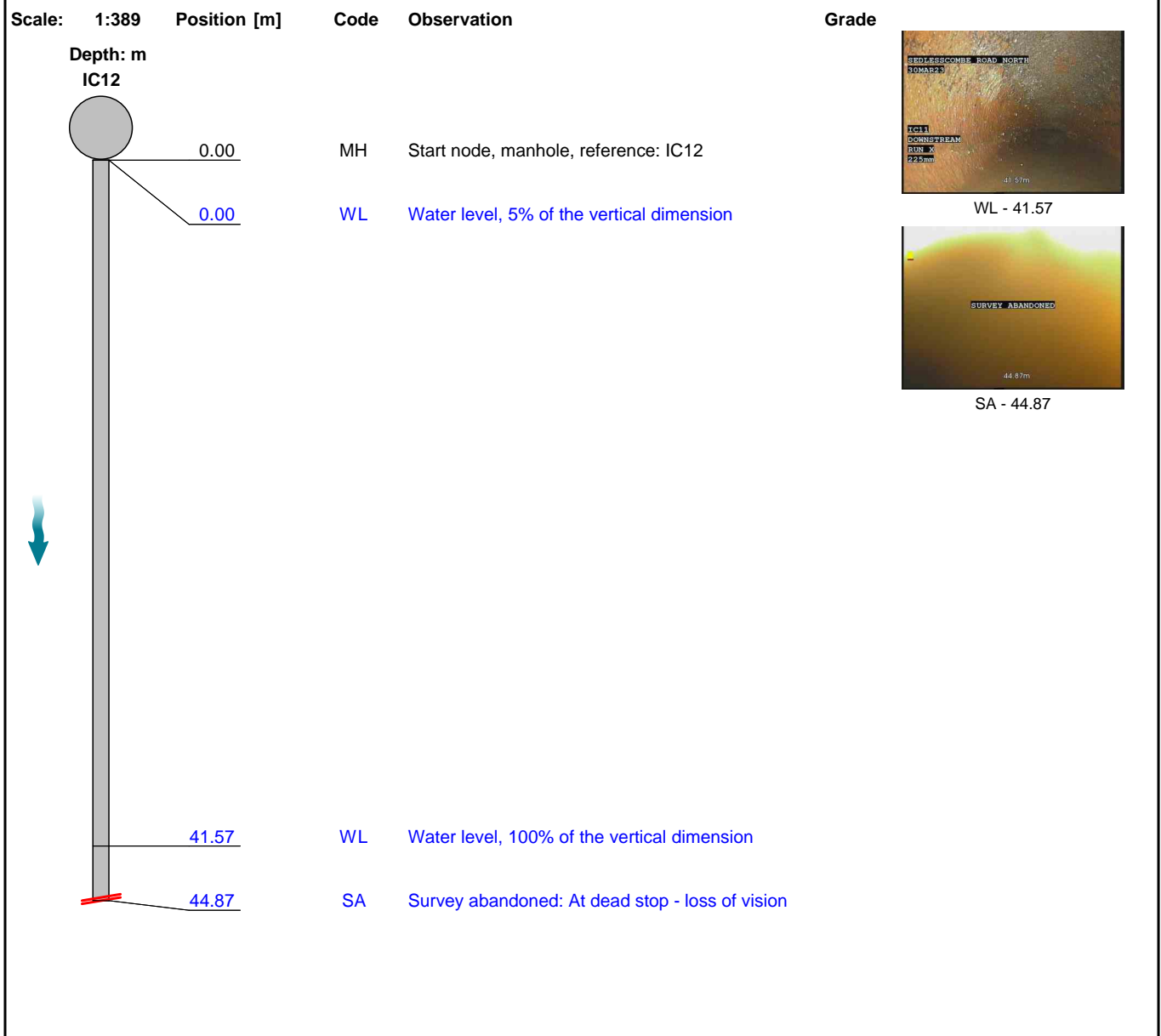
## Section Inspection - 30/03/2023 - IC12X



Item No. 10	Insp. No. 1	Date 30/03/23	Time 11:30	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR IC12X
Operator InSewer DW		Vehicle .		Camera 0	Preset Length Not Specified	Legal Status -	Alternative ID -

Town or Village:	Anywhere	Inspection Direction:	Downstream	Upstream Node:	IC12
Road:	Any Street	Inspected Length:	44.87 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	44.87 m	Downstream Node:	RUN X
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	-	Dia/Height:	225 mm		
Flow Control:	-	Material:	Vitrified clay		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Investment planning	Lining Material:	No Lining		

**Comments:**  
**Recommendations:** -



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

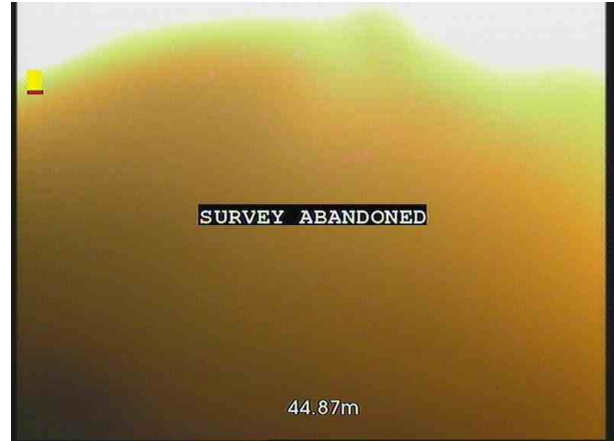




Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
10	Downstream	IC12X		



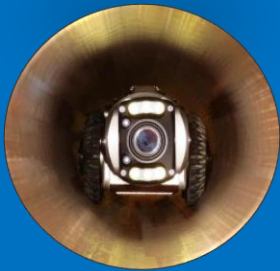
1, 00:01:59, 41.57 m  
Water level, 100% of the vertical dimension



2, 00:02:41, 44.87 m  
Survey abandoned, At dead stop - loss of vision



# *Recommendations*



[www.insewer.co.uk](http://www.insewer.co.uk)

Tel : 01634 861 768



Section number	Upstream manhole	Flow direction	Downstream manhole	Recommendations
1	IC1-B	Upstream	IC1	Clean by specialist root cutting and resurvey - further remedials will be required
2	IC1	Downstream	RUN X	Clean by specialist root cutting and resurvey - further remedials will be required
3	IC2	Downstream	IC4	Clean by specialist root cutting and repair by lining
4	IC4	Downstream	IC5	Repair defect(s) by lining
5	IC5	Downstream	RUN X	Clean by specialist root cutting and repair by lining
6	IC6	Downstream	RUN X	Assume sewer has been cut off ?
7	IC8	Downstream	IC9	Clean by specialist root cutting and resurvey - further remedials will be required
8	IC9	Downstream	5802	
9	IC10	Downstream	IC11	Locate manhole IC11 and raise to ground level to complete survey & repair defect(s) by lining
10	IC12	Downstream	RUN X	Clean by HGV JetVac unit and resurvey





***"A Family Run Business since 1977"***



## **Our Services**

- ***CCTV Surveys***
- ***Sewer and Utility Location***
- ***Topographical Surveys***
- ***Tanker Jetting***
- ***High Pressure Jetting***
- ***Cesspool Emptying***
- ***Interceptor Cleaning***
- ***Pump Station Cleaning***
- ***Root and Scale Cutting***
- ***Pipe Lining***
- ***Trenchless Technology***
- ***Confined Space Entry***



***www.insewer.co.uk***

***Call : 01634 861768***

**CCTV Sewer Inspection • Electronic Location • Cleaning and Repair**

Registered Office Address:  
 Hydro Descaling Limited  
 16a Revenge Rd, Lordswood Ind. Est.  
 Chatham, Kent ME5 8UD  
 Company Reg No: 1304128  
 VAT No. 573 7537 09

