



*Sewer Inspection,
Cleaning and Repair*

Project ref:TV171006

7th Oct 2017

CCTV Survey Report

www.insewer.co.uk

Tel : 01634 861 768

CLIENT: CTP

SITE: 17 – 20 Sea Street

Whitstable

CT5 1FF



Project-information

Project name :
TV171006

Contract Number :

Contact :

Date :
07/10/2017

Client: **CTP**
 Contact Name: **Peter Hawkins**
 Department:
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 Town: **Sevenoaks**
 County: **Kent TN13 1XE**
 Telephone: **01732 740 195**
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Site:
 Contact Name: **Luke Gillam**
 Department:
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Contractor **InSewer Surveys**
 Contact Name: **Liam Sellar**
 Department:
 Road: **16A Revenge Road**
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 County: **Kent ME5 8UD**
 Telephone: **01634 861 768**
 Fax: **01634 201 376**
 Mobile: **07802 660752**
 E-mail: **liam@insewer.co.uk**



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Site Photos

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TR10666801



LOCATION OF TR10666801



TR10666802



LOCATION OF TR10666802



TR10666803



LOCATION OF TR10666803



TR10666804. UNABLE TO LIFT, COVER
SIEZED IN FRAME



LOCATION OF TR10666804



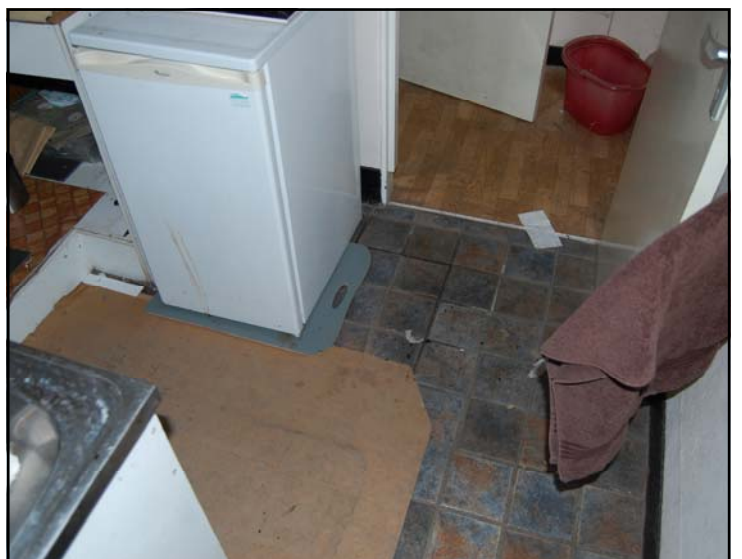
TR10666805



LOCATION OF TR10666805



IC1 - UNABLE TO LIFT, OBSTRUCTED



LOCATION OF IC1



IC2



LOCATION OF IC2



IC3



LOCATION OF IC3



RWP 1



RWP 1, POSSIBLE GULLY / OUTFALL. UNABLE TO CCTV



RWP 2 OUTFALLS TO GROUND



LOCATION OF RWP 2



RWP 3 OUTFALLS TO GROUND



LOCATION OF RWP 3



RWP 4 OUTFALLS TO GROUND



LOCATION OF RWP 4



RWP 5 OUTFALLS TO GROUND



LOCATION OF RWP 5



RWP 6 OUTFALLS TO GROUND



LOCATION OF RWP 6



FOUL GULLY 1 - UNABLE TO CCTV



LOCATION OF FOUL GULLY 1



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Site Plan

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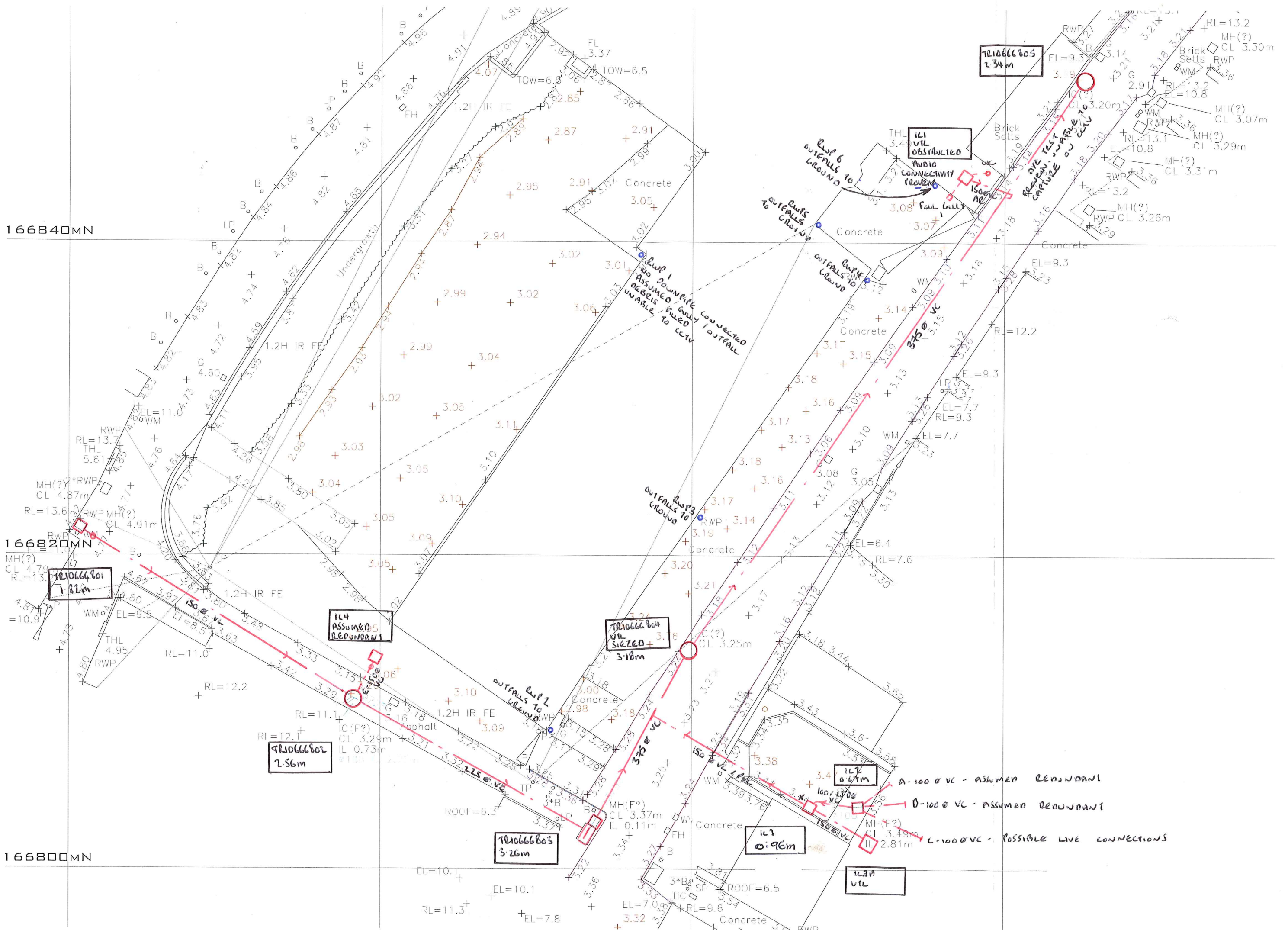
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166840MN

166820MN

166800MN



A-100 @ VC - ASSUMED REDUNDANT
 D-100 @ VC - ASSUMED REDUNDANT
 L-100 @ VC - POSSIBLE LIVE CONNECTIONS



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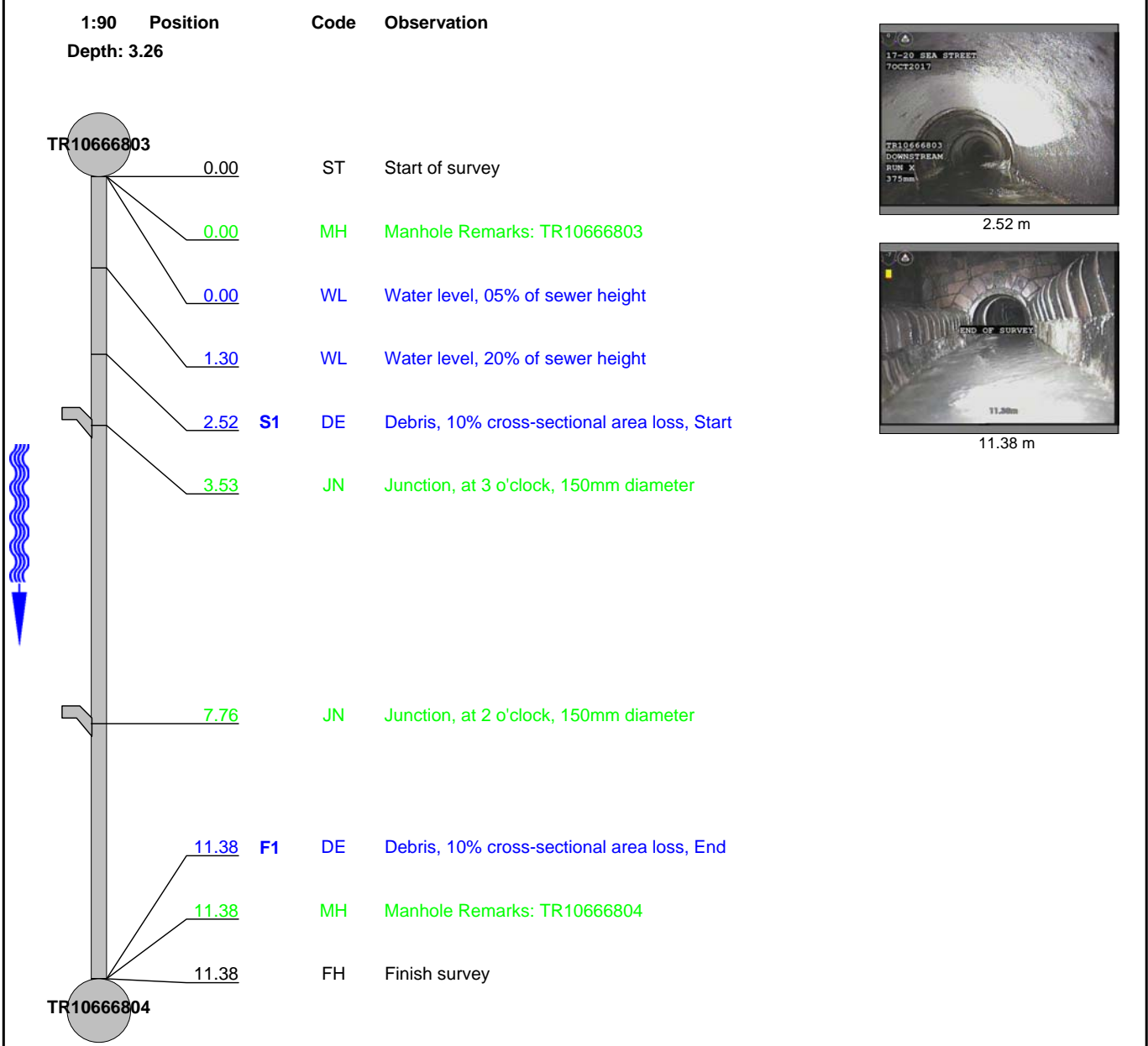
Inspection report

Date : 07/10/2017	Job number : TV171006	Weather : Dry	Sewer category:	Section number : 1	PLR suffix : X
Present :	Vehicle :	Camera :	Preset :	Cleaned : no	Operator : InSewer MO

Place : Road : Location Inspection	WHITSTABLE 17 - 20 SEA STREET TR10666803 (D/S) TR10666804	Location details: Catchment: Tape number : Pipe length :	U/S MH : U/S Depth : D/S MH : D/S Depth :
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Use: Foul Lining : Purpose : Condition and location Total length :	Pipe shape : Circular Pipe size : 375 mm Pipe width : Pipe material : Vitrified clay
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Comment :



Depth: 3.18 unable to lift - depth taken from hole in manhole cover

Structural Defects					Constructional Features				
Service Defects					Miscellaneous Features				
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	1.55	17.6	3



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Inspection pictures

Place : WHITSTABLE	Road : 17 - 20 SEA STREET	Date : 07/10/2017	Section number : 1	PLR suffix : X
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Photo: 001.JPG, VCR No.: 00001
 2.52m, Debris, 10% cross-sectional area loss, Start



Photo: 002.JPG, VCR No.: 00001
 11.38m, Manhole



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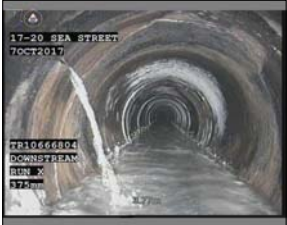
Inspection report

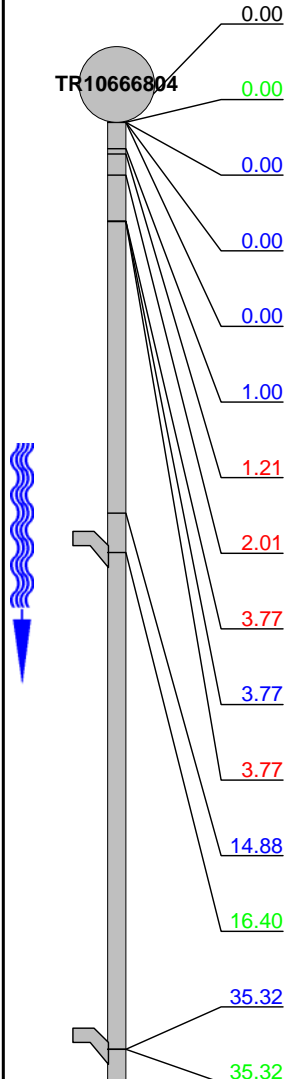
Date : 07/10/2017	Job number : TV171006	Weather : Dry	Sewer category:	Section number : 2	PLR suffix : X
Present :	Vehicle :	Camera :	Preset :	Cleaned : no	Operator : InSewer MO

Place : Road : Location Inspection	WHITSTABLE 17 - 20 SEA STREET TR10666804 (D/S) TR10666805	Location details: Catchment: Tape number : Pipe length :	U/S MH : U/S Depth : D/S MH : D/S Depth :
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Use: Foul Lining : Purpose : Condition and location Total length :	Pipe shape : Circular Pipe size : 375 mm Pipe width : Pipe material : Vitrified clay
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Comment :

1:288	Position	Code	Observation	
Depth: 3.18 unable to lift - depth taken from hole in manhole cover				
	0.00	ST	Start of survey	
	0.00	MH	Manhole Remarks: TR10666804	
	0.00	WL	Water level, 05% of sewer height	0 m
	0.00	WL	Water level, 20% of sewer height	
	0.00	S1 DE	Debris, 10% cross-sectional area loss, Start	
	1.00	IRJ	Infiltration, runner at joint, from 10 to 11 o'clock	1 m
	1.21	FCJ	Fracture, circumferential at joint, from 12 to 2 o'clock	
	2.01	CCJ	Crack, circumferential at joint, from 8 to 2 o'clock	
	3.77	CLJ	Crack, longitudinal at joint, at 10 o'clock	1.21 m
	3.77	IRJ	Infiltration, runner at joint, from 10 to 11 o'clock	
	3.77	FCJ	Fracture, circumferential at joint, from 8 to 2 o'clock	
	14.88	EMJ	Encrustation, medium at joint, from 12 to 4 o'clock, 10% cross-sectional area loss	2.01 m
	16.40	JN	Junction, at 2 o'clock, 150mm diameter	
	35.32	IDJ	Infiltration, dripper at joint, from 10 to 9 o'clock	
	35.32	JN	Junction, at 2 o'clock, 150mm diameter Remarks: Assumed connection from IC1	3.77 m





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Inspection report

Date : 07/10/2017	Job number : TV171006	Weather : Dry	Sewer category:	Section number : 2	PLR suffix: X
Present :	Vehicle :	Camera :	Preset :	Cleaned : no	Operator: InSewer MO

1:288	Position	Code	Observation	
		F1	DE	Debris, 10% cross-sectional area loss, End
		MH		Manhole Remarks: TR10666805
		FH		Finish survey
Depth: 3.34				

Structural Defects					Constructional Features				
Service Defects					Miscellaneous Features				
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	2	85.2	3



Inspection pictures

Place : WHITSTABLE	Road : 17 - 20 SEA STREET	Date : 07/10/2017	Section number : 2	PLR suffix : X
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Photo: 003.JPG, VCR No.: 00002
 0m, Debris, 10% cross-sectional area loss, Start

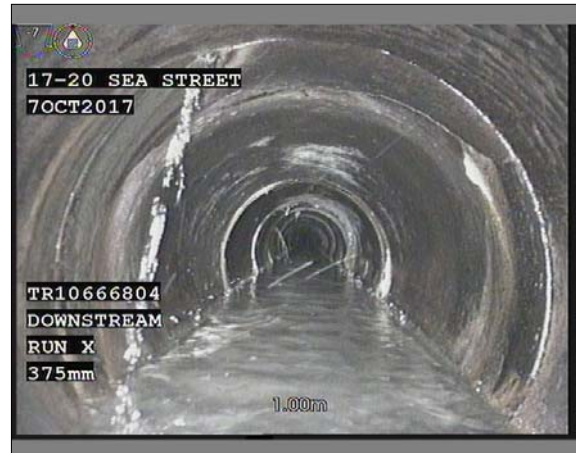


Photo: 004.JPG, VCR No.: 00002
 1m, Infiltration, runner at joint, from 10 to 11 o'clock



Photo: 005.JPG, VCR No.: 00002
 1.21m, Fracture, circumferential at joint, from 12 to 2 o'clock

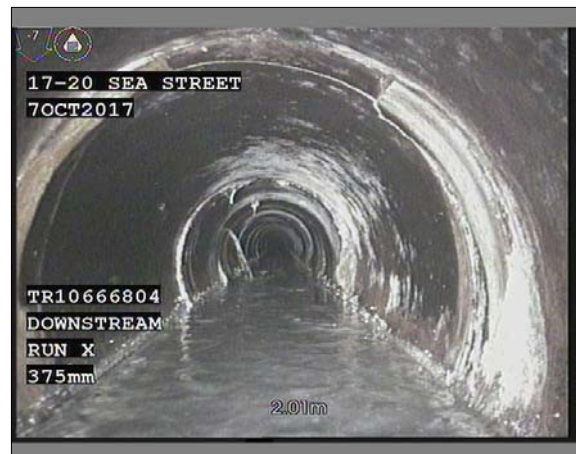


Photo: 006.JPG, VCR No.: 00002
 2.01m, Crack, circumferential at joint, from 8 to 2 o'clock



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Inspection pictures

Place : WHITSTABLE	Road : 17 - 20 SEA STREET	Date : 07/10/2017	Section number : 2	PLR suffix : X
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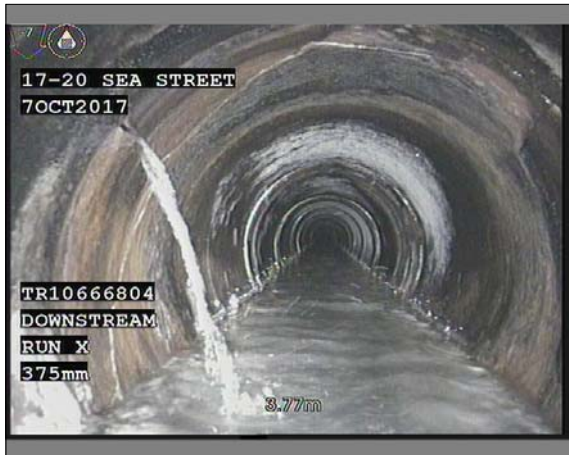


Photo: 007.JPG, VCR No.: 00002
 3.77m, Crack, longitudinal at joint, at 10 o'clock



Photo: 008.JPG, VCR No.: 00002
 3.77m, Infiltration, runner at joint, from 10 to 11 o'clock

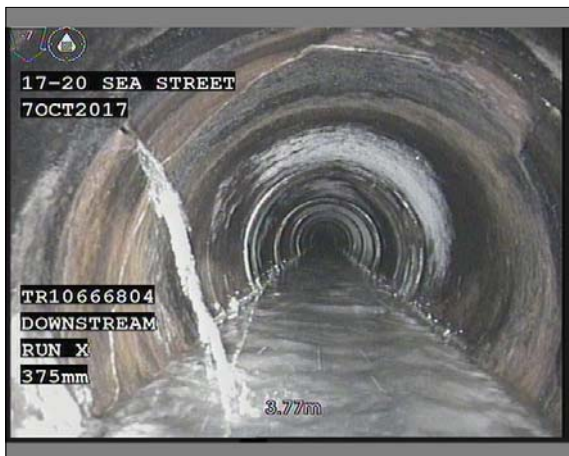


Photo: 009.JPG, VCR No.: 00002
 3.77m, Fracture, circumferential at joint, from 8 to 2 o'clock



Photo: 010.JPG, VCR No.: 00002
 14.88m, Encrustation, medium at joint, from 12 to 4 o'clock,
 10% cross-sectional area loss



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Inspection pictures

Place : WHITSTABLE	Road : 17 - 20 SEA STREET	Date : 07/10/2017	Section number : 2	PLR suffix : X
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Photo: 011.JPG, VCR No.: 00002
35.32m, Infiltration, dripper at joint, from 10 to 9 o'clock



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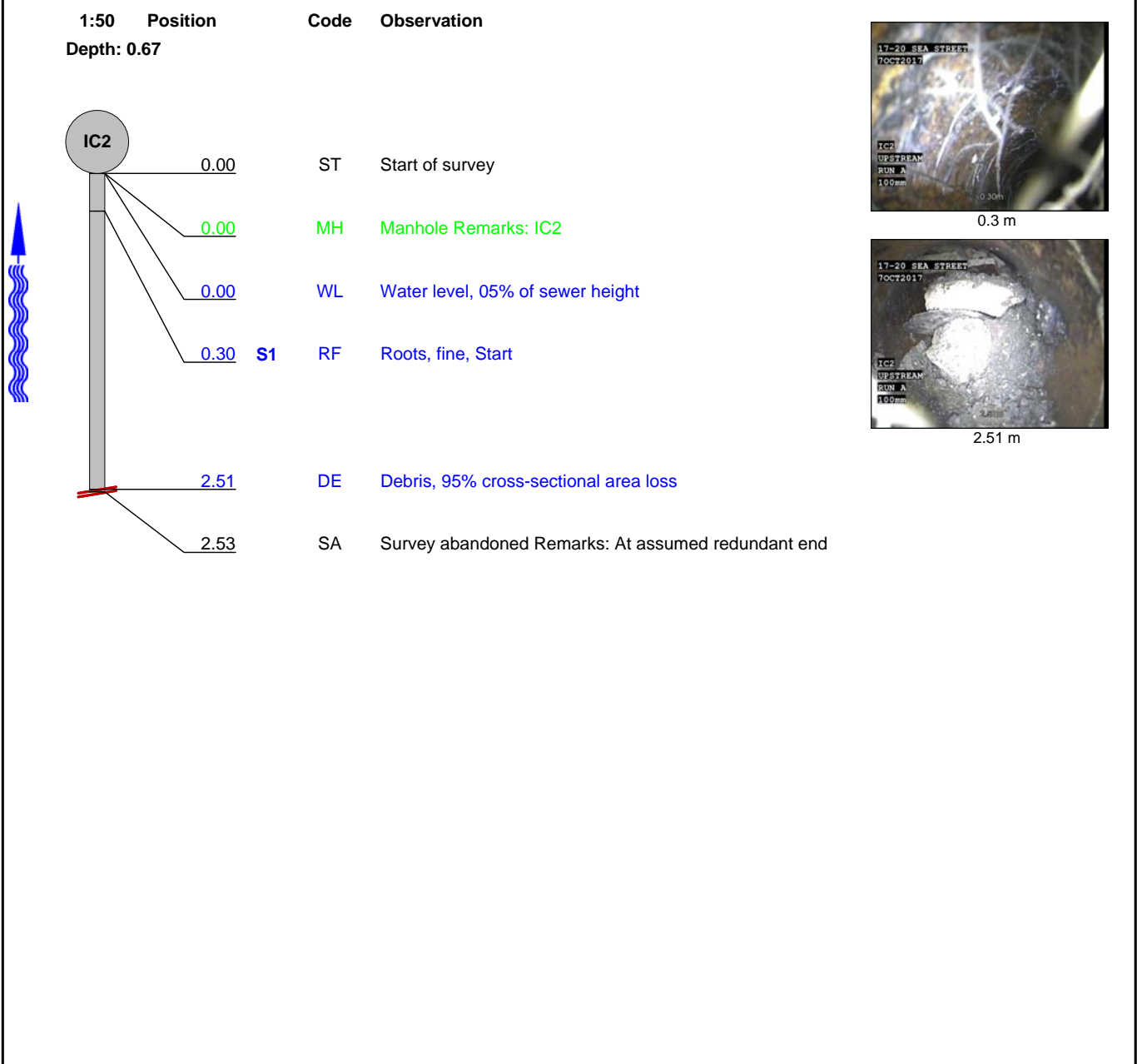
Inspection report

Date : 07/10/2017	Job number : TV171006	Weather : Dry	Sewer category:	Section number : 3	PLR suffix : X
Present :	Vehicle :	Camera :	Preset :	Cleaned : no	Operator : InSewer MO

Place : Road : Location Inspection	WHITSTABLE 17 - 20 SEA STREET IC2 (U/S) RUN A	Location details: Catchment: Tape number : Pipe length :	U/S MH : U/S Depth : D/S MH : D/S Depth :	RUN A IC2 0.67
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Use: Foul Lining : Purpose : Condition and location Total length :	Pipe shape : Circular Pipe size : 100 mm Pipe width : Pipe material : Vitrified clay
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Comment :



Structural Defects					Constructional Features				
Service Defects					Miscellaneous Features				
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	3.98	10	5



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Inspection pictures

Place : WHITSTABLE	Road : 17 - 20 SEA STREET	Date : 07/10/2017	Section number : 3	PLR suffix : X
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Photo: 012.jpg, VCR No.: 00003
0.3m, Roots, fine, Start



Photo: 013.jpg, VCR No.: 00003
2.51m, Debris, 95% cross-sectional area loss



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Inspection report

Date : 07/10/2017	Job number : TV171006	Weather : Dry	Sewer category:	Section number : 4	PLR suffix : X
Present :	Vehicle :	Camera :	Preset :	Cleaned : no	Operator : InSewer MO

Place : Road : Location Inspection	WHITSTABLE 17 - 20 SEA STREET IC2 (U/S) RUN B	Location details: Catchment: Tape number : Pipe length :		U/S MH : U/S Depth : D/S MH : D/S Depth :	RUN B IC2 0.67
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Use: Lining : Purpose : Total length :	Foul Condition and location	Pipe shape : Pipe size : Pipe width : Pipe material :	Circular 100 mm Vitrified clay
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Comment :

1:50	Position	Code	Observation	
Depth: 0.67				
	0.00	ST	Start of survey	 0.3 m
	0.00	MH	Manhole Remarks: IC2	
	0.00	WL	Water level, 05% of sewer height	 0.92 m
	0.30	S1	RF Roots, fine, Start	
	0.92	S2	DE Debris, 5% cross-sectional area loss, Start	
	1.57	SA	Survey abandoned Remarks: At assumed redundant end	

Structural Defects					Constructional Features				
Service Defects					Miscellaneous Features				
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 : WHITSTABLE	Road : 17 - 20 SEA STREET	Date : 07/10/2017	Section number : 4	PLR suffix : X
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Photo: 014.jpg, VCR No.: 00004
0.3m, Roots, fine, Start



Photo: 015.jpg, VCR No.: 00004
0.92m, Debris, 5% cross-sectional area loss, Start



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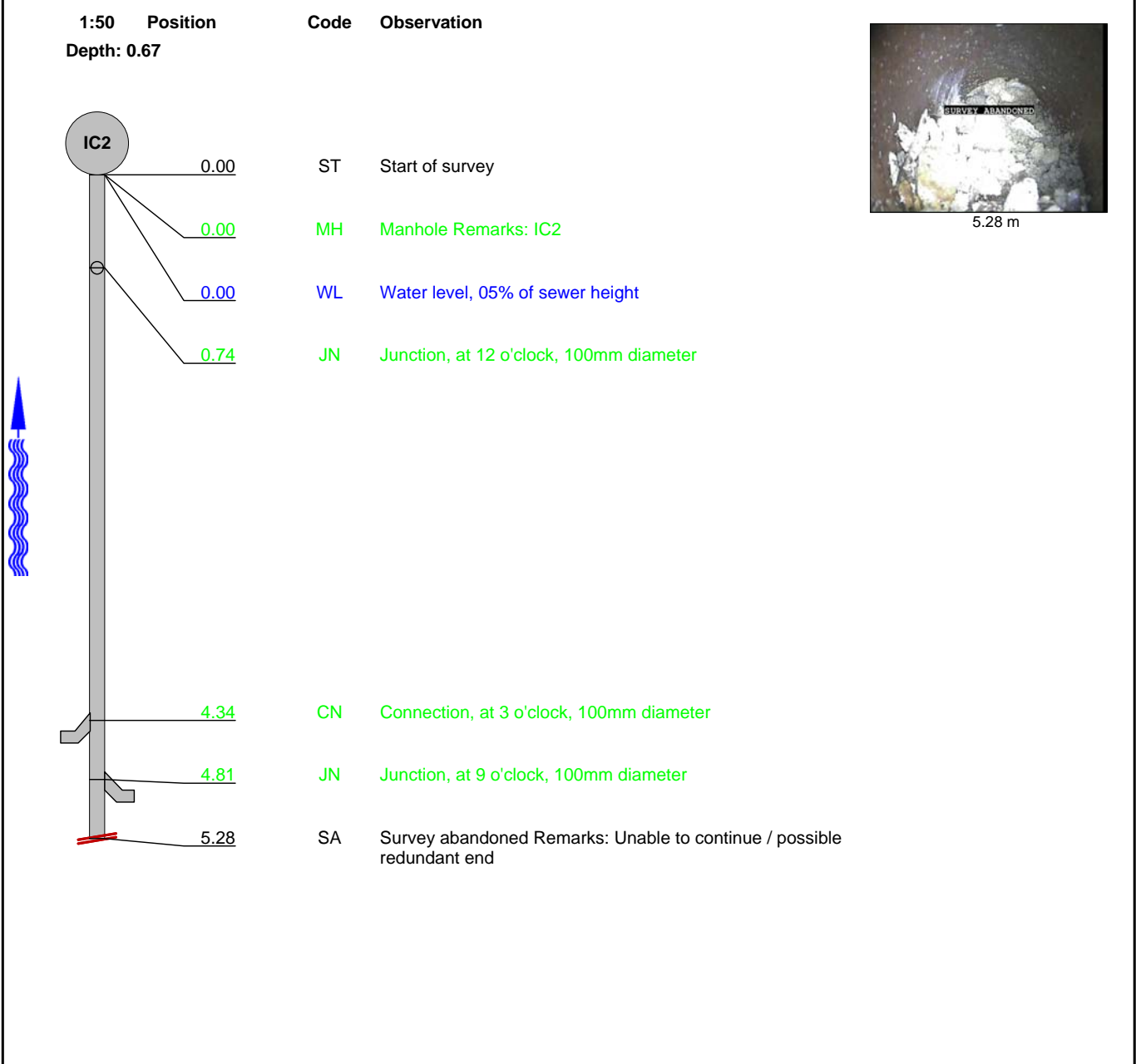
Inspection report

Date : 07/10/2017	Job number : TV171006	Weather : Dry	Sewer category:	Section number : 5	PLR suffix : X
Present :	Vehicle :	Camera :	Preset :	Cleaned : no	Operator : InSewer MO

Place : Road : Location Inspection	WHITSTABLE 17 - 20 SEA STREET IC2 (U/S) RUN C	Location details: Catchment: Tape number : Pipe length :	U/S MH : U/S Depth : D/S MH : D/S Depth :	RUN C IC2 0.67
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Use: Lining : Purpose : Total length :	Foul Condition and location	Pipe shape : Pipe size : Pipe width : Pipe material :	Circular 100 mm Vitrified clay
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Comment :



Structural Defects					Constructional Features				
Service Defects					Miscellaneous Features				
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



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Inspection pictures

Place : WHITSTABLE	Road : 17 - 20 SEA STREET	Date : 07/10/2017	Section number : 5	PLR suffix : X
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Photo: 016.jpg, VCR No.: 00005
5.28m, Survey abandoned



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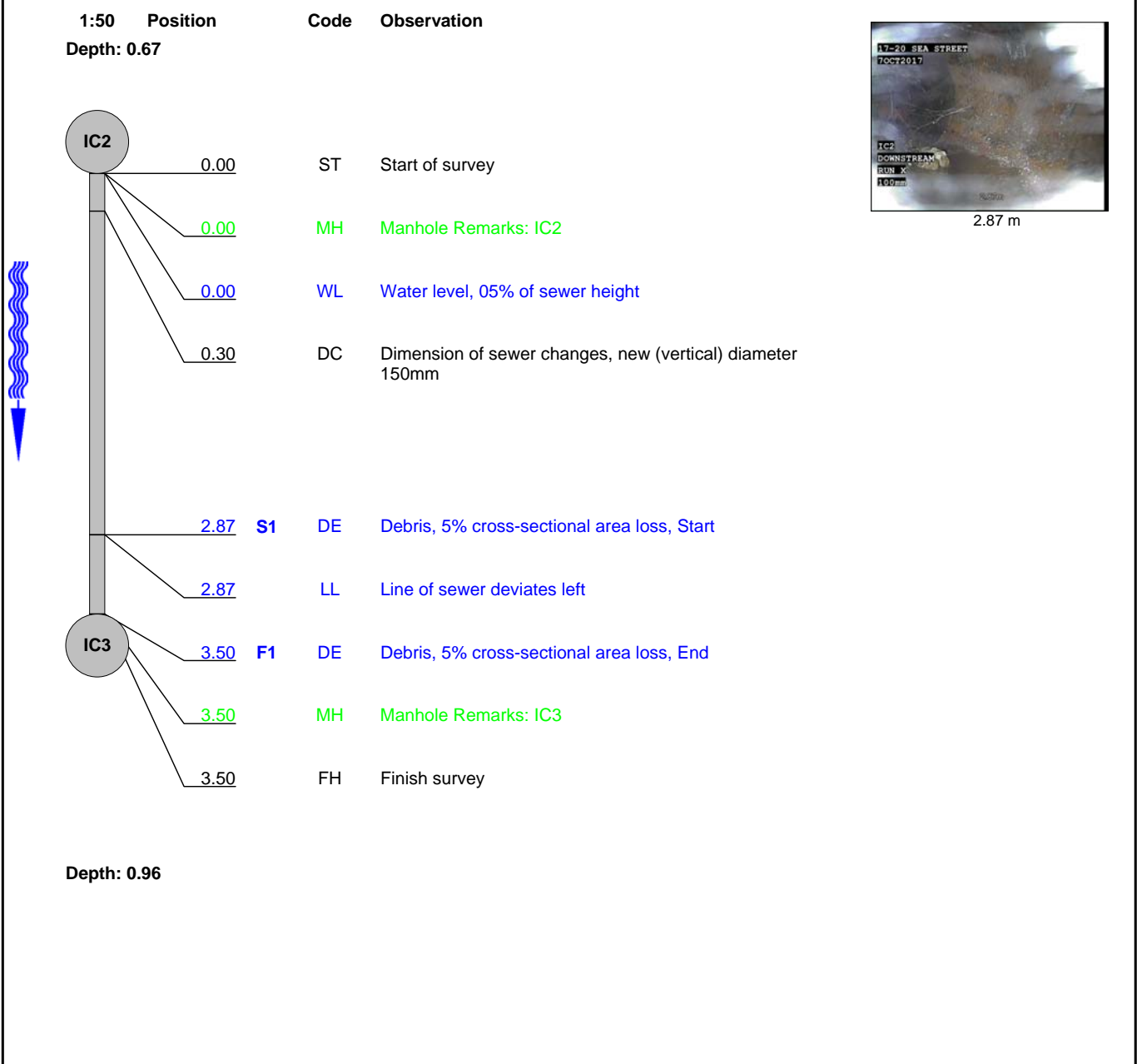
Inspection report

Date : 07/10/2017	Job number : TV171006	Weather : Dry	Sewer category:	Section number : 6	PLR suffix : X
Present :	Vehicle :	Camera :	Preset :	Cleaned : no	Operator : InSewer MO

Place : WHITSTABLE	Location details:	U/S MH : IC2
Road : 17 - 20 SEA STREET	Catchment:	U/S Depth : 0.67
Location	Tape number :	D/S MH : IC3
Inspection IC2 (D/S) IC3	Pipe length :	D/S Depth : 0.96

Use: Foul	Pipe shape : Circular
Lining :	Pipe size : 100 mm
Purpose : Condition and location	Pipe width :
Total length :	Pipe material : Vitrified clay

Comment :



Structural Defects					Constructional Features				
Service Defects					Miscellaneous Features				
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	1.4	0.4	1.4	2



Inspection pictures

Place : WHITSTABLE	Road : 17 - 20 SEA STREET	Date : 07/10/2017	Section number : 6	PLR suffix : X
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Photo: 017.jpg, VCR No.: 00006
2.87m, Debris, 5% cross-sectional area loss, Start



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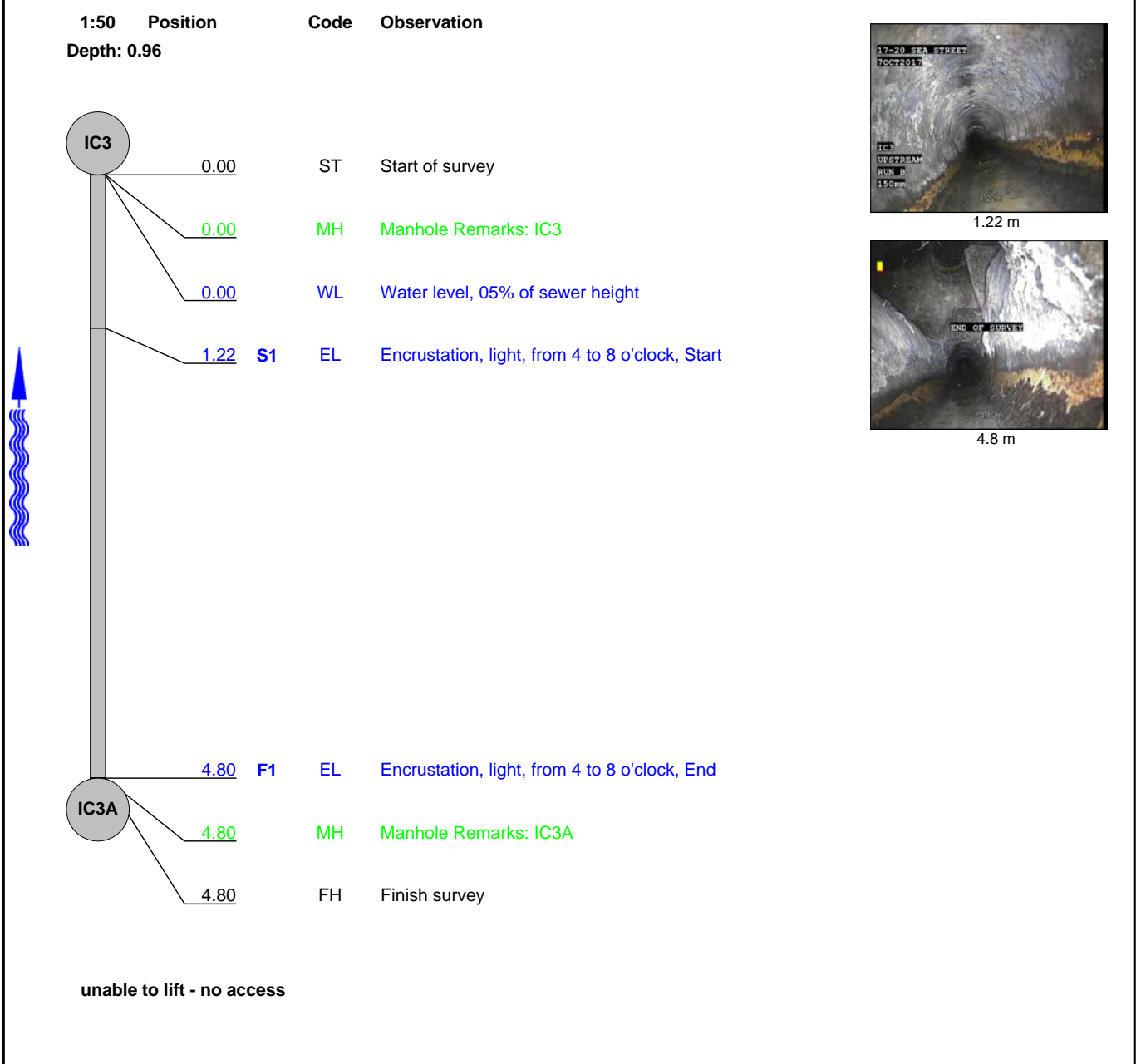
Inspection report

Date : 07/10/2017	Job number : TV171006	Weather : Dry	Sewer category:	Section number : 7	PLR suffix : X
Present :	Vehicle :	Camera :	Preset :	Cleaned : no	Operator : InSewer MO

Place : Road : Location Inspection	WHITSTABLE 17 - 20 SEA STREET IC3 (U/S) IC3A	Location details: Catchment: Tape number : Pipe length :	U/S MH : U/S Depth : D/S MH : D/S Depth :	IC3A IC3 0.96
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Use: Foul Lining : Purpose : Condition and location Total length :	Pipe shape : Circular Pipe size : 150 mm Pipe width : Pipe material : Vitrified clay
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Comment :



Structural Defects					Constructional Features				
Service Defects					Miscellaneous Features				
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	1	0.75	3.6	2



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Inspection pictures

Place : WHITSTABLE	Road : 17 - 20 SEA STREET	Date : 07/10/2017	Section number : 7	PLR suffix : X
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Photo: 018.jpg, VCR No.: 00007
 1.22m, Encrustation, light, from 4 to 8 o'clock, Start



Photo: 019.jpg, VCR No.: 00007
 4.8m, Manhole



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Inspection report

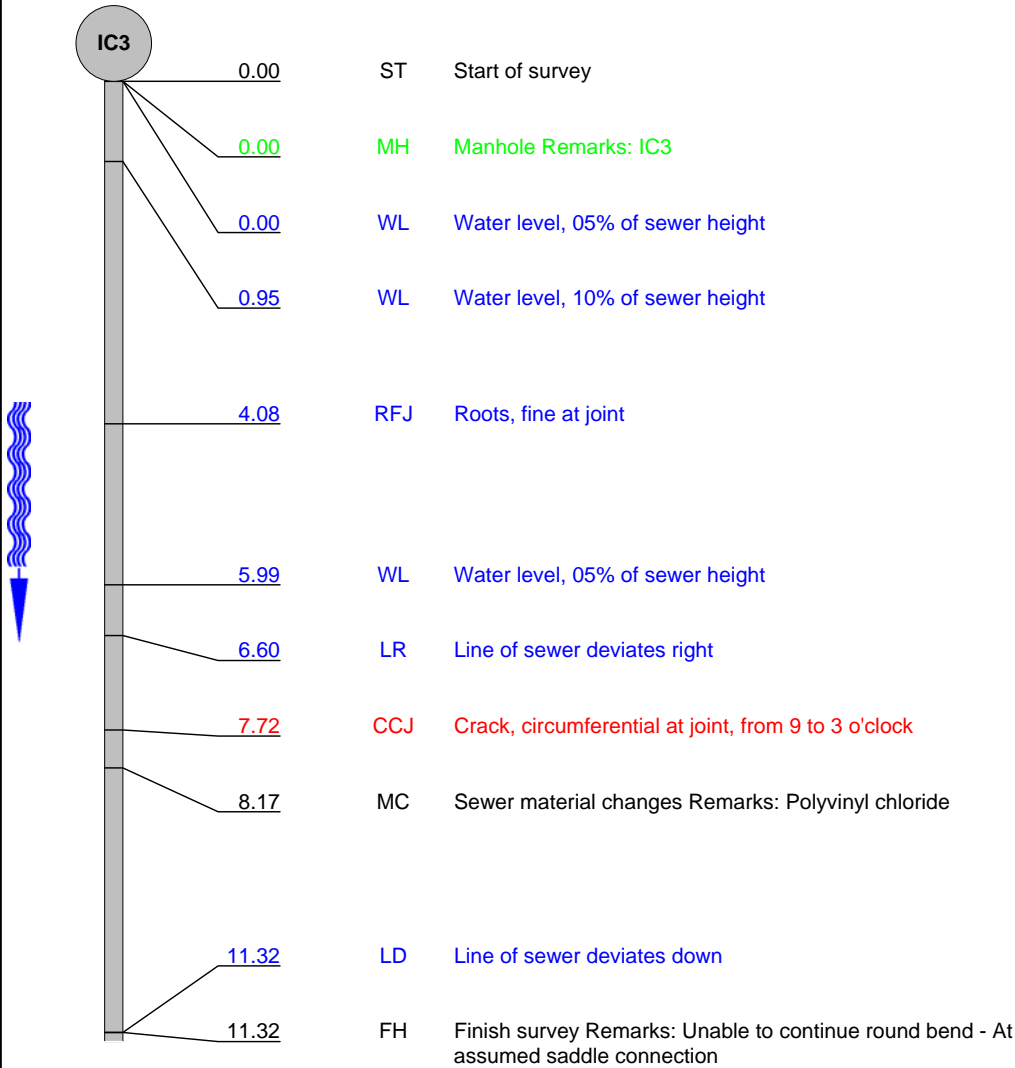
Date : 07/10/2017	Job number : TV171006	Weather : Dry	Sewer category:	Section number : 8	PLR suffix : X
Present :	Vehicle :	Camera :	Preset :	Cleaned : no	Operator : InSewer MO

Place : Road : Location Inspection	WHITSTABLE 17 - 20 SEA STREET IC3 (D/S) RUN X	Location details: Catchment: Tape number : Pipe length :		U/S MH : U/S Depth : D/S MH : D/S Depth :	IC3 0.96 RUN X
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Use: Lining : Purpose : Total length :	Foul Condition and location	Pipe shape : Pipe size : Pipe width : Pipe material :	Circular 150 mm Vitrified clay
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Comment :

1:90 **Position** **Code** **Observation**
Depth: 0.96





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Inspection pictures

Place : WHITSTABLE	Road : 17 - 20 SEA STREET	Date : 07/10/2017	Section number : 8	PLR suffix : X
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Photo: 020.jpg, VCR No.: 00008
4.08m, Roots, fine at joint



Photo: 021.jpg, VCR No.: 00008
7.72m, Crack, circumferential at joint, from 9 to 3 o'clock



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Inspection report

Date : 07/10/2017	Job number : TV171006	Weather : Dry	Sewer category:	Section number : 9	PLR suffix : X
Present :	Vehicle :	Camera :	Preset :	Cleaned : no	Operator : InSewer MO

Place : Road : Location Inspection	WHITSTABLE 17 - 20 SEA STREET TR10666802 (U/S) IC4	Location details: Catchment: Tape number : Pipe length :	U/S MH : U/S Depth : D/S MH : D/S Depth :	IC4 TR10666802 2.56
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Use: Foul Lining : Purpose : Condition and location Total length :	Pipe shape : Circular Pipe size : 150 mm Pipe width : Pipe material : Vitrified clay
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Comment :

1:50	Position	Code	Observation	
Depth: 2.56				
	TR10666802			
	0.00	ST	Start of survey	
	0.00	MH	Manhole Remarks: TR10666802	
	0.00	WL	Water level, 05% of sewer height	
	0.50	CL	Crack, longitudinal, at 3 o'clock	
	0.50	H	Hole in sewer, from 3 to 4 o'clock	
	1.14	S1 DE	Debris, 5% cross-sectional area loss, Start	
	1.61	CC	Crack, circumferential, from 3 to 10 o'clock	
	1.61	JN	Junction, at 6 o'clock, 150mm diameter Remarks: Interceptor	
	1.61	F1 DE	Debris, 5% cross-sectional area loss, End	
	1.61	MH	Manhole Remarks: IC4	
	1.61	FH	Finish survey	

assumed redundant manhole - unable to find

Structural Defects					Constructional Features				
Service Defects					Miscellaneous Features				
STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
3	90	62.11	100	4	1	1	0.62	1	2



Inspection pictures

Place : WHITSTABLE	Road : 17 - 20 SEA STREET	Date : 07/10/2017	Section number : 9	PLR suffix : X
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Photo: 022.jpg, VCR No.: 00009
 0.5m, Crack, longitudinal, at 3 o'clock



Photo: 023.jpg, VCR No.: 00009
 0.5m, Hole in sewer, from 3 to 4 o'clock



Photo: 024.jpg, VCR No.: 00009
 1.14m, Debris, 5% cross-sectional area loss, Start



Photo: 025.jpg, VCR No.: 00009
 1.61m, Crack, circumferential, from 3 to 10 o'clock



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Inspection pictures

Place : WHITSTABLE	Road : 17 - 20 SEA STREET	Date : 07/10/2017	Section number : 9	PLR suffix : X
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Photo: 026.jpg, VCR No.: 00009
1.61m, Manhole



Our Services

- **CCTV Surveys**
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- **Topographical Surveys**
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