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Inspection summary




Project Name: Comet Way Hatfield	Project Number :	Contact :	Date : 13/06/2018
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Total Length of sewer network	110.49 m
Inspected Length of sewer network	80.81 m
Not inspected Length of sewer network	29.68 m
Total Length of sewer network (abandoned)	0.00 m
Inspected Length of sewer network (abandoned)	0.00 m
Not inspected Length of sewer network (abandoned)	0.00 m
Total Length of house connections (satellite)	0.00 m
Inspected Length of house connections (satellite)	0.00 m
Not inspected Length of house connections (satellite)	0.00 m
Number of Sections	2
Number of Sections (abandoned)	0
Number of house connections	0
Number of Photos	21

Inspection Summary

Date: 13/06/2018	Project Number :	Contact :	Date : 13/06/2018
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Place: Road: Upstr. MH: Downstr. MH:	Comet Way S3 HD1002	Pipe shape: Pipe size: Material Lining:	Circular 300 mm Vitrified clay
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	0.00	GP	General condition photograph	0
	0.00	GP	General condition photograph	0
	0.00	ST	ST: Start of survey	0
	0.00	WL	WL: Water level 10%	0
	0.99	CN	CN: Connection from 12 O'Clock 150 mm diameter	0
	3.62	CN	CN: Connection from 12 O'Clock 150 mm diameter	0
	13.20	JN	JN: Junction from 12 O'Clock 150 mm diameter	0
	25.48	JN	JN: Junction from 12 O'Clock 150 mm diameter	0
	30.34	JN	JN: Junction from 12 O'Clock 150 mm diameter	0
	35.50	JN	JN: Junction from 12 O'Clock 150 mm diameter	0
	43.06	JN	JN: Junction from 11 O'Clock 150 mm diameter	0
	50.86	CN	CN: Connection from 12 O'Clock 150 mm diameter Slightly Protruding	0
	55.49	JDL	JDL: Joint displaced, large (over 1.5 times the pipe wall tickness)	1
	55.49	FH	FH: Finish survey Risk of getting camera stuck	0

Inspection Summary

Date: 13/06/2018	Project Number :	Contact :	Date : 13/06/2018
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Place: Road: Upstr. MH: Downstr. MH:	Comet Way S4 S3	Pipe shape: Pipe size: Material Lining:	Circular 300 mm Reinforced plastic matrix
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	0.00	ST	ST: Start of survey	0
	0.00	WL	WL: Water level 10%	0
	10.90	JN	JN: Junction from 12 O'Clock 150 mm diameter	0
	20.55	JN	JN: Junction from 1 O'Clock 150 mm diameter	0
	25.23	MH	MH: Manhole S4	0
	25.31	FH	FH: Finish survey	0
	25.32	GP	General condition photograph	0

Project-information

 Project name :
Comet Way Hatfield

Contract Number :

Contact :

 Date :
13/06/2018

Client: **ISG Plc**
 Contact Name:
 Department: **Woodland House**
 Road:
 Town: **Bradford**
 County:
 Telephone:
 Fax:
 Mobile:
 E-mail:

Site: **The Comet Hotel**
 Contact Name:
 Department:
 Road: **St Albans Road west**
 Town: **Hatfield**
 County:
 Telephone:
 Fax:
 Mobile:
 E-mail:

Contractor **County Drains Leicester Ltd**
 Contact Name:
 Department:
 Road: **Unit 10 Jackson Street**
 Town: **Coalville**
 County: **Leicestershire**
 Telephone: **01530 510571**
 Fax:
 Mobile:
 E-mail: **info@countydrains.co.uk**

Project-information

 Project name :
Comet Way Hatfield

Contract Number :

Contact :

 Date :
13/06/2018

Findings

Survey 1 - S3 downstream to HD1002

This drain run is structurally sound, however we had to abandon the survey at 55 metres due to a large displaced joint (this was also shown on the previous CCTV from the other direction) There is also a 10% silt/debris level in areas which we recommend is cleansed at the next opportunity. Due to the amount of stone etc that was present within the system upon arrival permitted time on the highway was quickly eaten up and therefore this run could not be cleansed fully, however a final jet was carried out prior to departing.

Survey 2 - S3 upstream to S4

This drain run is structurally sound and in good order. Manhole S4 was however found to be buried. Sonar tracing was carried out with the location area of the manhole being marked with blue paint.

Please see photos attached showing some of the debris removed from manhole S3. This included a shovel which was blocking the outlet. Approximately 1-2 tonnes of waste was removed from the manhole and drain runs.

There is also a photo showing the location on the buried manhole S4

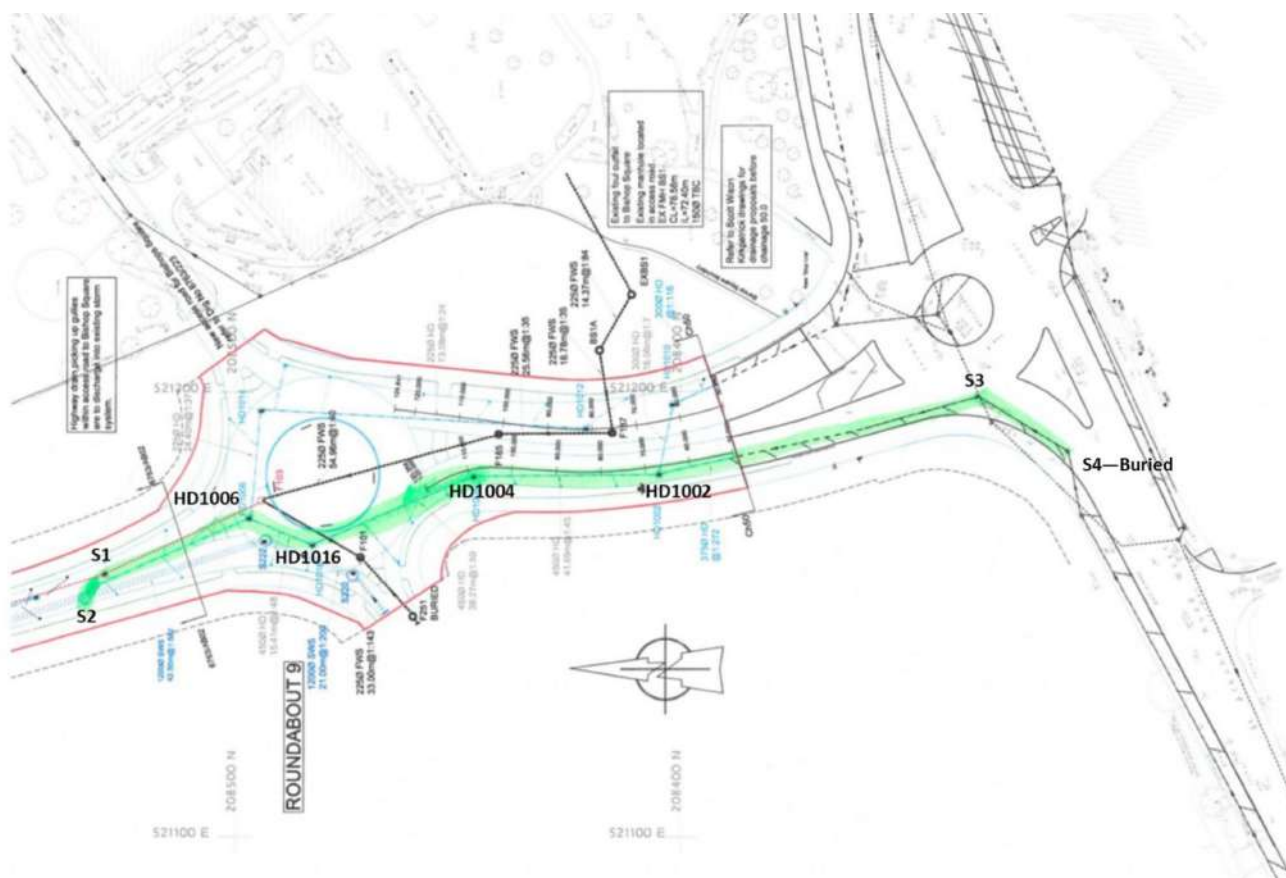
Project-information

Project name :
Comet Way Hatfield

Contract Number :

Contact :

Date :
13/06/2018



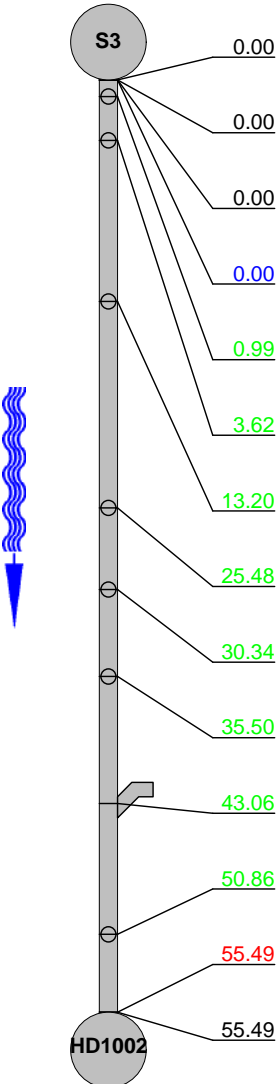


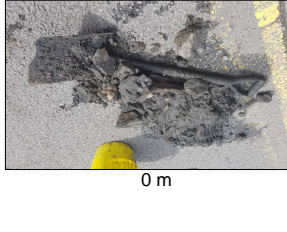


Inspection report

Date : 10/06/2018	Job number :	Weather : Dry	Sewer category:	Section number : 1	PLR suffix : X
Present :	Vehicle :	Camera :	Preset :	Cleaned : unknown	Operator : Rob McClumpha

Place : Road : Location Inspection	Comet Way Main road - urban S3 (D/S) HD1002	Location details: Catchment: Tape number : Pipe length :	U/S MH : U/S Depth : D/S MH : D/S Depth :
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Use: Year laid : Purpose : Total length :	Surface water Specific problems on sewer related to structural or service condition defects	Pipe shape : Pipe size : Pipe material : Lining :	Circular 300 mm Vitrified clay
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Comment :

1:450 Position Depth: 4.2	Code	Observation	Grade	
	GP	General condition photograph	(Misc) 0	
	GP	General condition photograph	(Misc) 0	
	ST	ST: Start of survey	(Misc) 0	
	WL	WL: Water level 10%	(Serv) 0	
	CN	CN: Connection from 12 O'Clock 150 mm diameter	(Constr) 0	
	CN	CN: Connection from 12 O'Clock 150 mm diameter	(Constr) 0	
	JN	JN: Junction from 12 O'Clock 150 mm diameter	(Constr) 0	
	JN	JN: Junction from 12 O'Clock 150 mm diameter	(Constr) 0	
	JN	JN: Junction from 12 O'Clock 150 mm diameter	(Constr) 0	
	JN	JN: Junction from 12 O'Clock 150 mm diameter	(Constr) 0	
	JN	JN: Junction from 11 O'Clock 150 mm diameter	(Constr) 0	
	CN	CN: Connection from 12 O'Clock 150 mm diameter Slightly Protruding	(Constr) 0	
	JDL	JDL: Joint displaced, large (over 1.5 times the pipe wall thickness)	(Struct) 1	
	FH	FH: Finish survey Risk of getting camera stuck	(Misc) 0	

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
1	2	0.04	2	1	0	0	0	0	1

Inspection pictures

Place :	Road : Comet Way	Date : 13/06/2018	Section number : 1	PLR suffix : X
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Photo: 1 - S3 downstream to HD1002_0-00m_123202.jpg
0m, ST: Start of survey



Photo: 1 - S3 downstream to HD1002_0-00m_123215.jpg
0m, WL: Water level 10%

Inspection pictures

Place :

 Road :
Comet Way

 Date :
13/06/2018

 Section number :
1

 PLR suffix :
X


Photo: Hatfield 4.jpg
 0m, General condition photograph



Photo: Hatfield 2.jpg
 0m, General condition photograph

Inspection pictures

Place :

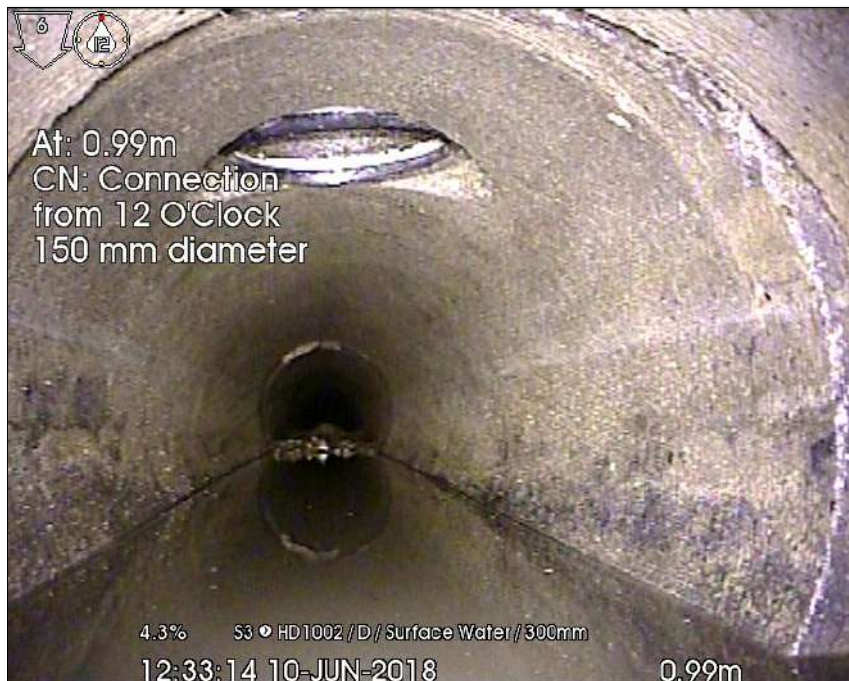
Road :
Comet WayDate :
13/06/2018Section number :
1PLR suffix :
X

Photo: 1 - S3 downstream to HD1002_0-99m_123314.jpg
 0.99m, CN: Connection from 12 O'Clock 150 mm diameter



Photo: 1 - S3 downstream to HD1002_3-62m_123509.jpg
 3.62m, CN: Connection from 12 O'Clock 150 mm diameter

Inspection pictures

Place :

Road :
Comet WayDate :
13/06/2018Section number :
1PLR suffix :
X

Photo: 1 - S3 downstream to HD1002_13-20m_124101.jpg
 13.2m, JN: Junction from 12 O'Clock 150 mm diameter

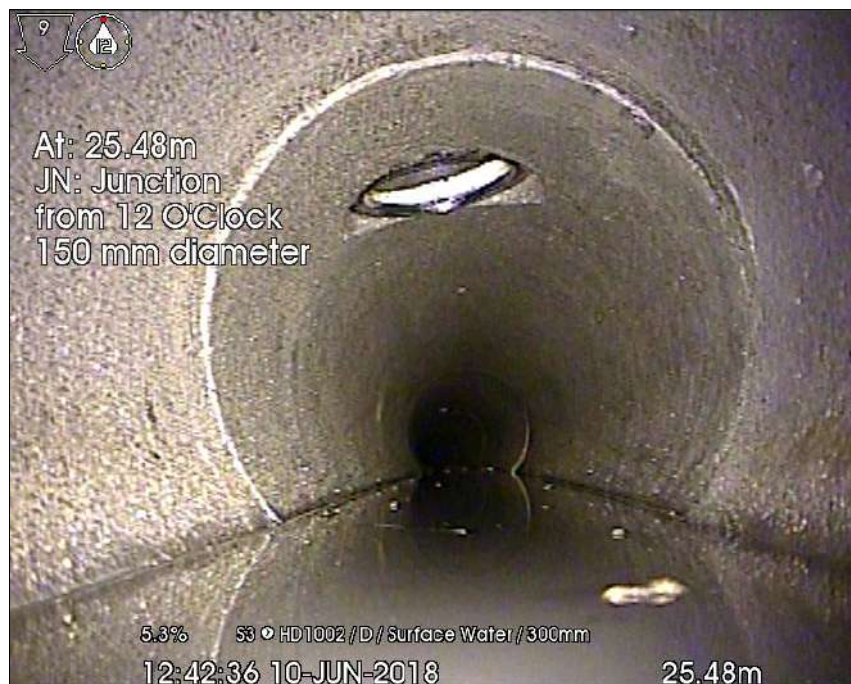


Photo: 1 - S3 downstream to HD1002_25-48m_124236.jpg
 25.48m, JN: Junction from 12 O'Clock 150 mm diameter

Inspection pictures

Place :

Road :
Comet WayDate :
13/06/2018Section number :
1PLR suffix :
X

Photo: 1 - S3 downstream to HD1002_30-34m_124339.jpg
 30.34m, JN: Junction from 12 O'Clock 150 mm diameter



Photo: 1 - S3 downstream to HD1002_35-50m_124533.jpg
 35.5m, JN: Junction from 12 O'Clock 150 mm diameter

Inspection pictures

Place :

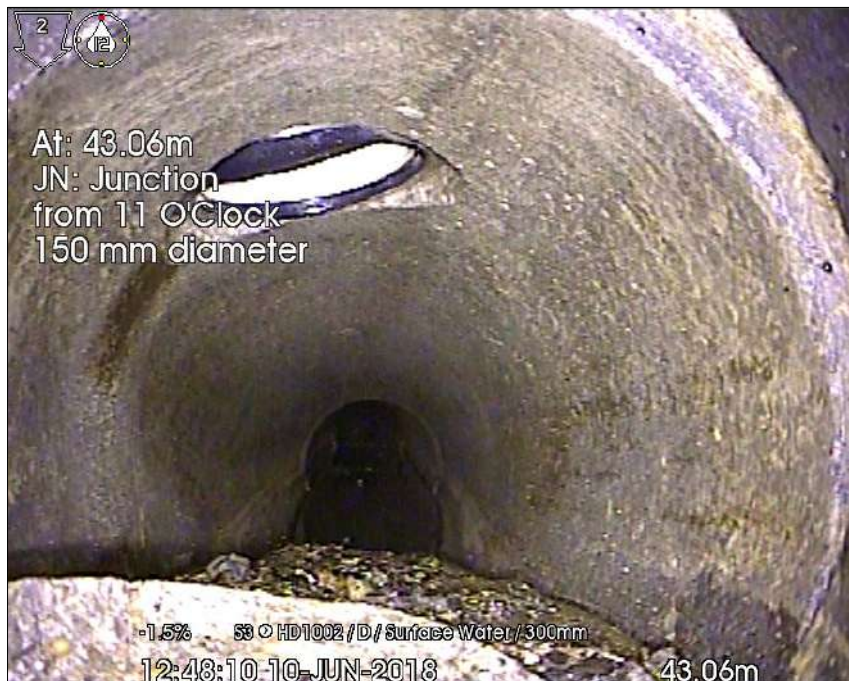
Road :
Comet WayDate :
13/06/2018Section number :
1PLR suffix :
X

Photo: 1 - S3 downstream to HD1002_43-06m_124810.jpg
 43.06m, JN: Junction from 11 O'Clock 150 mm diameter



Photo: 1 - S3 downstream to HD1002_50-86m_125107.jpg
 50.86m, CN: Connection from 12 O'Clock 150 mm diameter Slightly Protruding

Inspection pictures

Place :	Road : Comet Way	Date : 13/06/2018	Section number : 1	PLR suffix : X
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Photo: 1 - S3 downstream to HD1002_55-49m_125213.jpg
 55.49m, JDL: Joint displaced, large (over 1.5 times the pipe wall tickness)

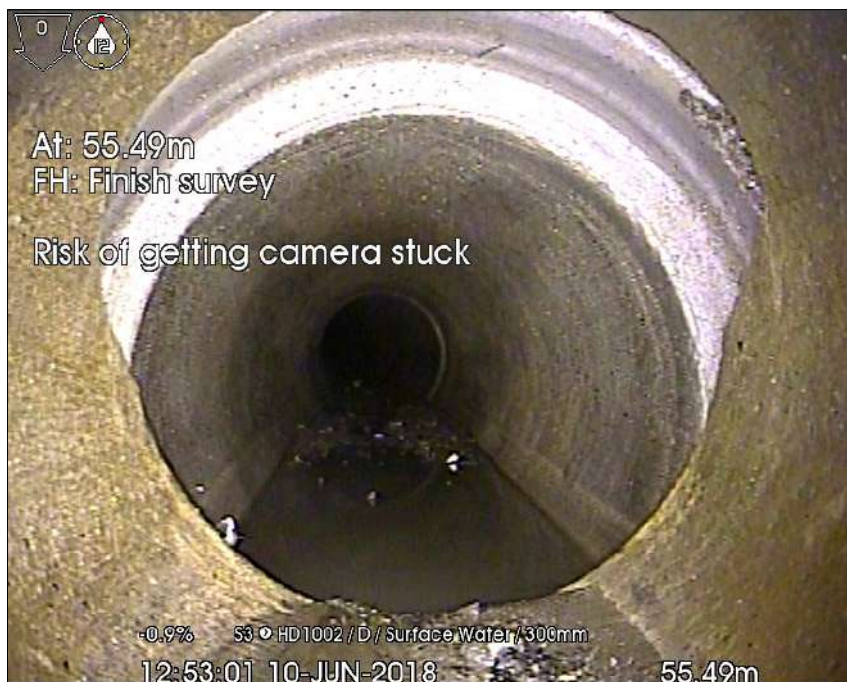


Photo: 1 - S3 downstream to HD1002_55-49m_125301.jpg
 55.49m, FH: Finish survey Risk of getting camera stuck

Inspection report

Date : 10/06/2018	Job number :	Weather : Dry	Sewer category:	Section number : 2	PLR suffix : X
Present :	Vehicle :	Camera :	Preset :	Cleaned : yes	Operator : Rob McClumpha

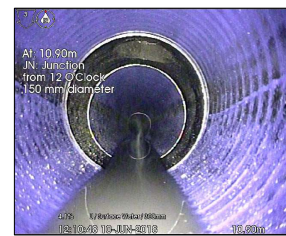
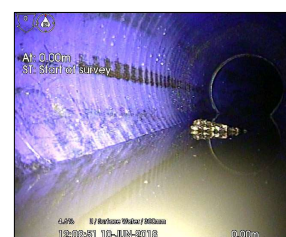
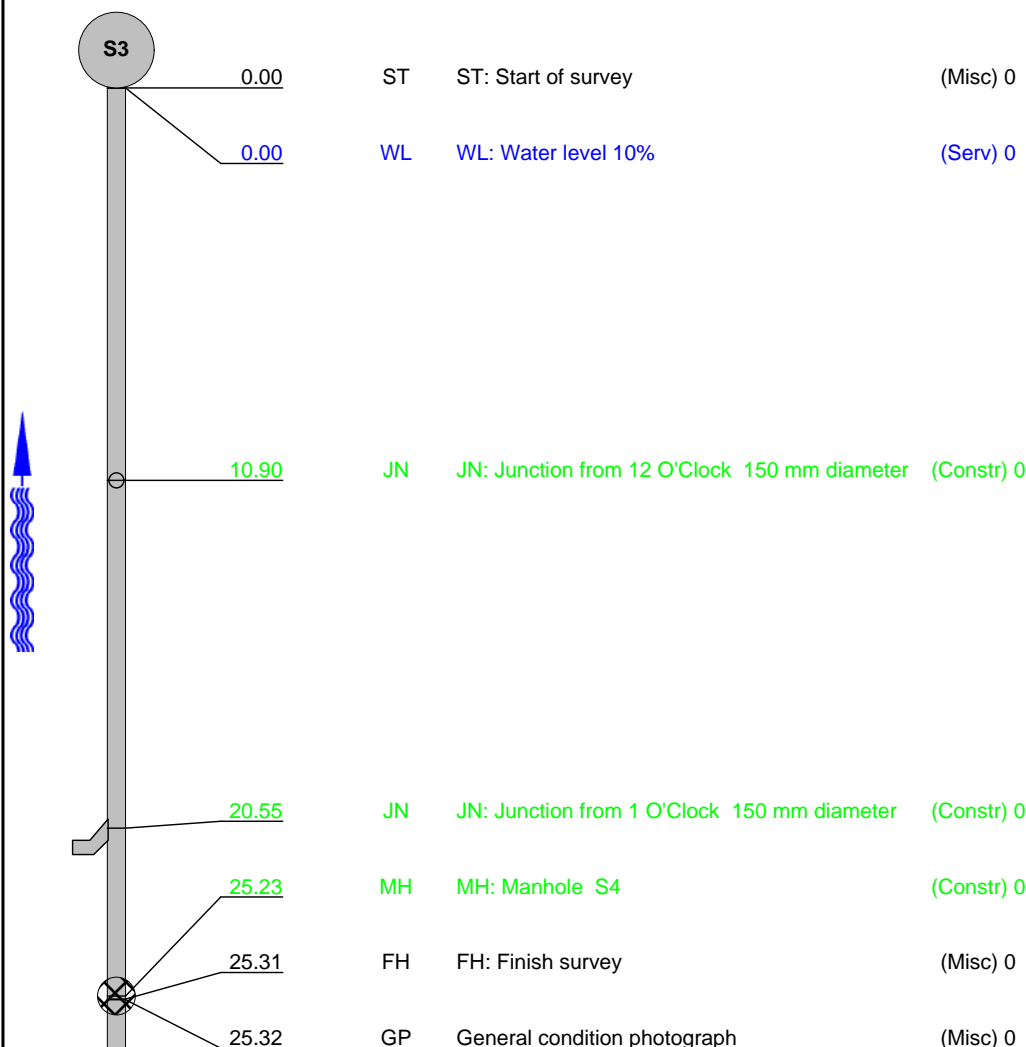
Place : Road : Comet Way Location Inspection S3 (U/S) S4	Location details: Catchment: Tape number : Pipe length :	U/S MH : S4 U/S Depth : D/S MH : S3 D/S Depth : 4.2
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Use: Surface water	Pipe shape : Circular
Year laid :	Pipe size : 300 mm
Purpose : Specific problems on sewer related to structural or service condition defects	Pipe material : Reinforced plastic matrix
Total length :	Lining :

Comment :

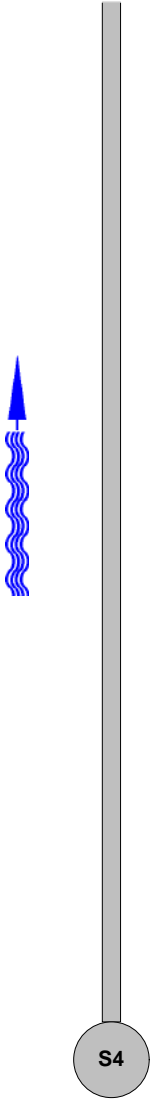
1:210 Position Code Observation
Depth: 4.2

Grade



Inspection report

Date : 10/06/2018	Job number :	Weather : Dry	Sewer category:	Section number : 2	PLR suffix: X
Present :	Vehicle :	Camera :	Preset :	Cleaned : yes	Operator: Rob McClumpha

1:210	Position	Code	Observation	Grade
				

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 :	Road : Comet Way	Date : 13/06/2018	Section number : 2	PLR suffix : X
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Photo: 2 - S3 upstream to S4_0-00m_120851.jpg
0m, ST: Start of survey



Photo: 2 - S3 upstream to S4_0-00m_120911.jpg
0m, WL: Water level 10%

Inspection pictures

Place :	Road : Comet Way	Date : 13/06/2018	Section number : 2	PLR suffix : X
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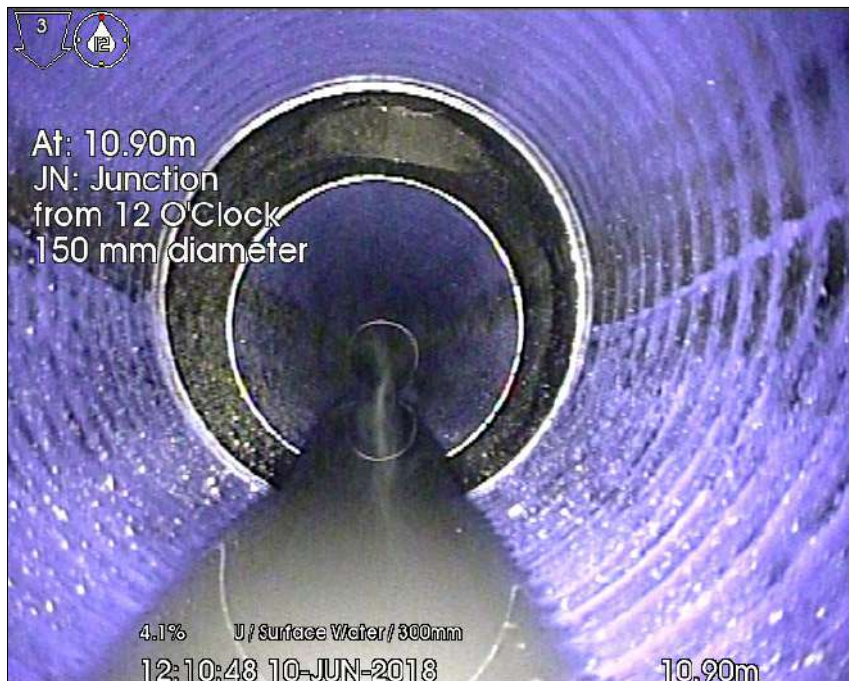


Photo: 2 - S3 upstream to S4_10-90m_121048.jpg
 10.9m, JN: Junction from 12 O'Clock 150 mm diameter



Photo: 2 - S3 upstream to S4_20-55m_121200.jpg
 20.55m, JN: Junction from 1 O'Clock 150 mm diameter

Inspection pictures

Place :

Road :
Comet WayDate :
13/06/2018Section number :
2PLR suffix :
X

Photo: 2 - S3 upstream to S4_25-23m_121314.jpg
 25.23m, MH: Manhole S4



Photo: 2 - S3 upstream to S4_25-31m_121341.jpg
 25.31m, FH: Finish survey

Place :

Inspection pictures

Place :

Road :
Comet Way

Date :
13/06/2018

Section number :
2

PLR suffix :
X



Photo: Hatfield 3.jpg
25.32m, General condition photograph