

Drainage Report



Prepared For

Site

MMI 105
99 OXFORD ROAD
MANCHESTER

M1 7ER



AQUASPEED DRAIN SERVICES

Surveyor: LEE MORTON

info@aquaspeed.co.uk

01942 886722

Total Defects for Project

Total DRB Grades for Project



99 OXFORD ROAD MANCHESTER - CCTV Survey Report : 30/09/21

Name : AQUASPEED DRAIN SERVICES
 Contact :
 Location : 171 SMALLBROOK LANE
 Town : LEIGH
 Region : LANCASHIRE
 Postcode : WN7 5BZ
 Email : info@aquaspeed.co.uk
 Contact Number : 01942 886722
 Surveyor : LEE MORTON
 Valid Certification No :

Client Information

Name :
 Contact : ERIC WRIGHT
 Location :
 Town :
 Region :
 Postcode :
 Tel :
 Mobile :
 Email :
 Fax :

Site Information

Name : MMI 105
 Contact :
 Location : 99 OXFORD ROAD
 Town : MANCHESTER
 Region :
 Postcode : M1 7ER
 Tel :
 Mobile :
 Email :
 Fax :

Total Defects for Project



Total DRB Grades for Project



Report interpretation.

Overview:

Each section of the drainage system is allocated a score indicating areas that require attention. These areas are detailed in the Overview section on the following page and also at the bottom right of the first few pages. We use colour coding as an indicator of severity. Additional information concerning rehabilitation options/recommendations is included in the Overview page, which can also be used as an, "at a glance" indication of system condition. More in depth information for each section, including images can be found later in the report. Grade indicators are as follows:

Grade A: Drain is serviceable no recommendations required

Grade B: There is an issue that might require remedial works

Grade C: There is a defect that requires remedial works, the drain is not serviceable.

Observations:

Each section of drainage reported on (manhole to manhole for example), contains detailed information about that drain and any observations made concerning condition are detailed below the header section. The observations are colour coded and given a severity score, with more significant defects being given a higher score, using a scale from 1 to 5 as detailed below:

Severity 1 to 2: These defects may require remedial monitoring

Severity 3: These defects probably require some form of remedial works

Severity 4 to 5: Defects that will require remedial repair or replacement

General:

The information provided is relevant at the time of survey. The coding system in this report is based on the Manual of Sewer Condition Classification, 5th edition (MSCC5) domestic codes (BS EN 13508-1:2003). This is the official standard for the water industry.

The severity system is based on significant experience in general practice and the 1 -5 grades represent the severity of individual defects: 5 representing a more serious defect.

Please feel free to contact us for further explanation or pricing for remedial works required.

Total Defects for Project



Total DRB Grades for Project



Overview

Section: 1 From: CW 01 To: BRANCH B	Grade A	DRB Grade: A Pipe Size: 150 Material: Polyvinyl Chloride Use: Combined
Section: 2 From: CW 01 To: BRANCH C	Grade A	DRB Grade: A Pipe Size: 150 Material: Polyvinyl Chloride Use: Combined
Section: 3 From: CW 01 To: EXT MH 3	Grade A	DRB Grade: A Pipe Size: 150 Material: Polyvinyl Chloride Use: Combined
Section: 4 From: EXT MH 3 To: EXT MH 2	Grade A	DRB Grade: A Pipe Size: 150 Material: Cast Iron Use: Combined
Section: 5 From: EXT MH 2 To: EXT MH 1	Grade A	DRB Grade: A Pipe Size: 150 Material: Cast Iron Use: Combined
Section: 6 From: EXT MH 1 To: CW 02	Grade A	DRB Grade: A Pipe Size: 150 Material: Polyvinyl Chloride Use: Combined
Section: 7 From: CW 02 To: CW 03	Grade A	DRB Grade: A Pipe Size: 150 Material: Polyvinyl Chloride Use: Combined
Section: 8 From: CW 03 To: EXT MH 234	Grade A	DRB Grade: A Pipe Size: 150 Material: Cast Iron Use: Combined

Total Defects for Project



Total DRB Grades for Project



Section: 9 From: EXT MH 3 To: BRANCH B	Grade A	DRB Grade: A Pipe Size: 100 Material: Cast Iron Use: Combined
Section: 10 From: POP UP 1 To: EXT MH 3	Grade B	DRB Grade: B Pipe Size: 100 Material: Polyvinyl Chloride Use: Combined
Section: 11 From: POP UP 3 To: EXT MH 3	Grade A	DRB Grade: A Pipe Size: 100 Material: Polyvinyl Chloride Use: Combined
Section: 12 From: POP UP 2 To: CW 01	Grade A	DRB Grade: A Pipe Size: 100 Material: Polyvinyl Chloride Use: Combined
Section: 13 From: POP UP 1 To: CW 01	Grade A	DRB Grade: A Pipe Size: 100 Material: Polyvinyl Chloride Use: Combined
Section: 14 From: POP UP 2 To: EXT MH 1	Grade A	DRB Grade: A Pipe Size: 100 Material: Polyvinyl Chloride Use: Combined
Section: 15 From: POP UP 1 To: EXT MH 1	Grade A	DRB Grade: A Pipe Size: 100 Material: Polyvinyl Chloride Use: Combined
Section: 16 From: POP UP 4 To: MAIN CARRIER	Grade A	DRB Grade: A Pipe Size: 100 Material: Polyvinyl Chloride Use: Combined
Section: 17 From: EXT MH 1 To: POP UP 2	Grade A	DRB Grade: A Pipe Size: 100 Material: Polyvinyl Chloride Use: Combined

Total Defects for Project



Total DRB Grades for Project



Section: 18 From: POP UP 5 To: SW 1	Grade A	DRB Grade: A Pipe Size: 100 Material: Polyvinyl Chloride Use: Combined
Section: 19 From: EXT MH 5 To: BRANCH B	Grade A	DRB Grade: A Pipe Size: 100 Material: Polyvinyl Chloride Use: Combined
Section: 20 From: EXT MH 5 To: CW 05	Grade A	DRB Grade: A Pipe Size: 150 Material: Cast Iron Use: Combined
Section: 21 From: CW 04 To: BRANCH A	Grade A	DRB Grade: A Pipe Size: 150 Material: Polyvinyl Chloride Use: Combined
Section: 22 From: CW 04 To: BRANCH B	Grade A	DRB Grade: A Pipe Size: 100 Material: Polyvinyl Chloride Use: Combined
Section: 23 From: CW 04 To: EXT MH 238	Grade A	DRB Grade: A Pipe Size: 150 Material: Polyvinyl Chloride Use: Combined
Section: 24 From: FLOOR GULLY 1 To: MAIN CARRIER	Grade A	DRB Grade: A Pipe Size: 100 Material: Polyvinyl Chloride Use: Combined
Section: 25 From: POP UP 6 To: MAIN CARRIER	Grade A	DRB Grade: A Pipe Size: 100 Material: Polyvinyl Chloride Use: Combined

Total Defects for Project



Total DRB Grades for Project



Section: 26 From: POP UP 7 To: FW 2	Grade A	DRB Grade: A Pipe Size: 100 Material: Polyvinyl Chloride Use: Combined
Section: 27 From: FW 2 To: MAIN CARRIER	Grade A	DRB Grade: A Pipe Size: 100 Material: Polyvinyl Chloride Use: Combined
Section: 28 From: POP UP 8 To: MAIN CARRIER	Grade A	DRB Grade: A Pipe Size: 100 Material: Polyvinyl Chloride Use: Combined

Total Defects for Project



Total DRB Grades for Project



Site: 99 OXFORD ROAD, MANCHESTER

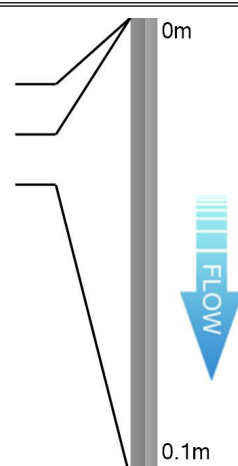
Section 1

Client:	Location (Street Name): 99 OXFORD ROAD	City/Town/Village MANCHESTER	Cust Job Ref.	Surveyors Name: LEE MORTON	Date: 30/09/2021
Start Node Ref:	CW 01	Finish Node Ref:	BRANCH B	Direction:	D
Start Node Depth:	1.06	Finish Node Depth:	0.00	Use:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	PVC
				Cleaned	Y

Node Type	Cover Condition	Benching Condition	1/2 Channel Condition	Node Condition Remarks
MH				

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	General Remarks
A				D	N	0.1	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 5%		0_1	0:00:00	
00.10m	GYF	Finish node type Gully				



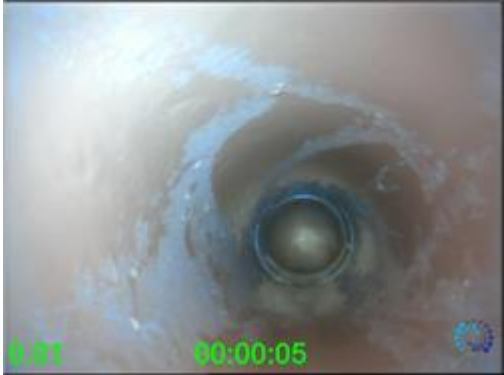
Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 1

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole CW 01	
00.00m	0:00:00	WL	Water level: 5% Height/Diameter	Image Provided - Ref: 0_1 
00.10m		GYF	Finish node type Gully BRANCH B - GULLY	

Total Defects for section



DRB Grade for Section



Site: 99 OXFORD ROAD, MANCHESTER

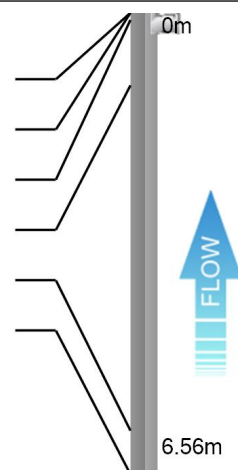
Section 2

Client:	Location (Street Name): 99 OXFORD ROAD	City/Town/Village MANCHESTER	Cust Job Ref.	Surveyors Name: LEE MORTON	Date: 30/09/2021
Start Node Ref:	CW 01	Finish Node Ref:	BRANCH C	Direction:	U
Start Node Depth:	1.06	Finish Node Depth:	0.00	Use:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	PVC
				Cleaned	Y

Node Type	Cover Condition	Benching Condition	1/2 Channel Condition	Node Condition Remarks
MH				

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	General Remarks
A				D	N	6.56	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 5%			0:00:00	
00.10m	JN	Junction 10 : 100mm Diameter		1_2	0:00:17	
01.03m	SC	Dimension of drain/sewer changes : 100mm		1_3	0:00:31	
05.94m	LUF	Line of drain/sewer deviates up [full]		1_4	0:01:07	
06.56m	GYF	Finish node type Gully		1_99		



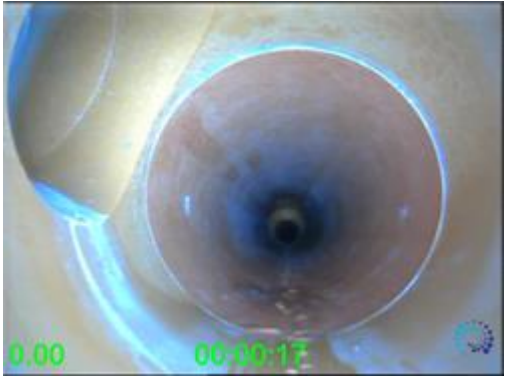
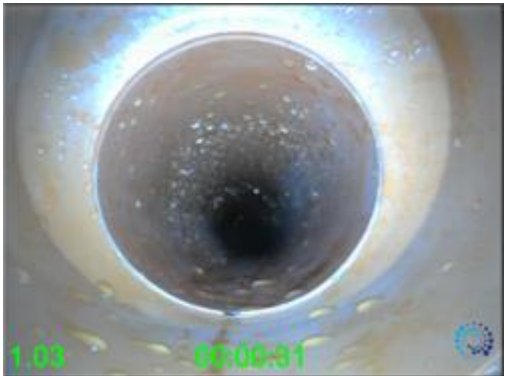
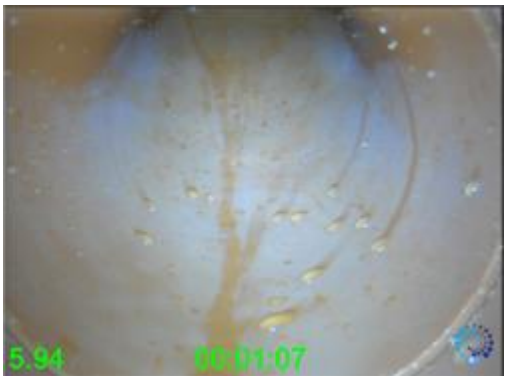
Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 2

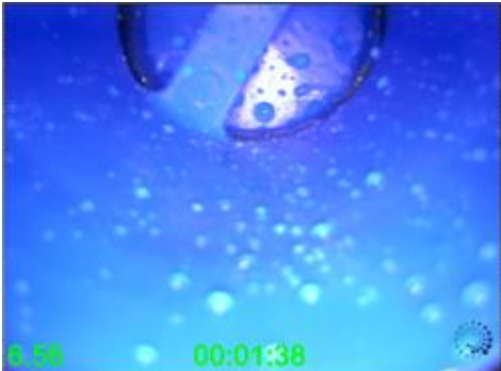
Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole CW 01	
00.00m	0:00:00	WL	Water level: 5% Height/Diameter	
00.10m	0:00:17	JN	Junction at 10 o'clock: 100mm Diameter	Image Provided - Ref: 1_2 
01.03m	0:00:31	SC	Dimension of drain/sewer changes: 100mm Diameter	Image Provided - Ref: 1_3 
05.94m	0:01:07	LUF	Line of drain/sewer deviates up [full]	Image Provided - Ref: 1_4 

Total Defects for section

DRB Grade for Section

0 0 0 0 0



Pos	Video Ref	Code	Description	Image
06.56m		GYF	Finish node type Gully BRANCH C - FLOOR GULLY	Image Provided - Ref: 1_9999 

Total Defects for section



DRB Grade for Section



Site: 99 OXFORD ROAD, MANCHESTER

Section 3

Client:	Location (Street Name): 99 OXFORD ROAD	City/Town/Village MANCHESTER	Cust Job Ref.	Surveyors Name: LEE MORTON	Date: 30/09/2021
Start Node Ref:	CW 01	Finish Node Ref:	EXT MH 3	Direction:	D
Start Node Depth:	1.06	Finish Node Depth:	0.00	Use:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	PVC
				Cleaned	Y

Node Type	Cover Condition	Benching Condition	1/2 Channel Condition	Node Condition Remarks
MH				

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	General Remarks
A				R	N	5.64	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 5%		2_1	0:00:00	
01.10m	MC	Material of drain/sewer changes		2_2	0:00:20	
05.64m	MHF	Finish node type, manhole		2_99		

Total Defects for section

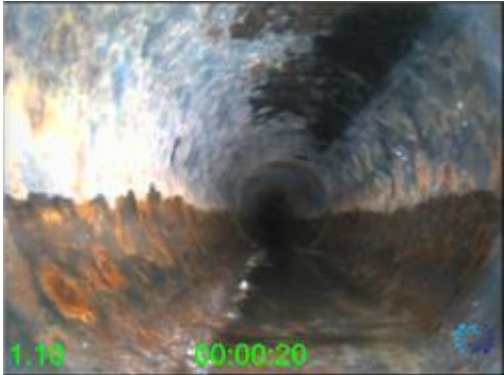
DRB Grade for Section

0 0 0 0 0



Descriptive Report with Remarks and Observation Images

Section 3

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole CW 01	
00.00m	0:00:00	WL	Water level: 5% Height/Diameter	Image Provided - Ref: 2_1 
01.10m	0:00:20	MCCI	Material of pipe changes to Cast Iron	Image Provided - Ref: 2_2 
05.64m		MHF	Finish node type, manhole EXT MH 3	Image Provided - Ref: 2_9999 

Total Defects for section

DRB Grade for Section



Site: 99 OXFORD ROAD, MANCHESTER

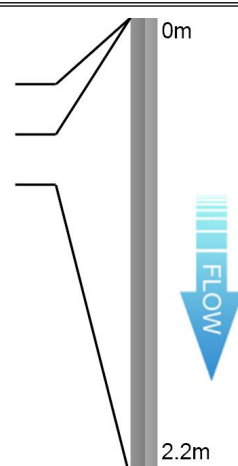
Section 4

Client:	Location (Street Name): 99 OXFORD ROAD	City/Town/Village MANCHESTER	Cust Job Ref.	Surveyors Name: LEE MORTON	Date: 30/09/2021
Start Node Ref:	EXT MH 3	Finish Node Ref:	EXT MH 2	Direction:	D
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	CI
				Cleaned	Y

Node Type	Cover Condition	Benching Condition	1/2 Channel Condition	Node Condition Remarks
MH				

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	General Remarks
A				R	N	2.2	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 5%		3_1	0:00:00	
02.20m	MHF	Finish node type, manhole		3_99		



Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 4

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole EXT MH 3	
00.00m	0:00:00	WL	Water level: 5% Height/Diameter	Image Provided - Ref: 3_1 
02.20m		MHF	Finish node type, manhole EXT MH 2	Image Provided - Ref: 3_9999 

Total Defects for section

DRB Grade for Section



Site: 99 OXFORD ROAD, MANCHESTER

Section 5

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:		
	99 OXFORD ROAD	MANCHESTER		LEE MORTON	30/09/2021		
Start Node Ref:	EXT MH 2	Finish Node Ref:	EXT MH 1	Direction:	D	Height/Dia:	150
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	C	Shape:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	CI	Cleaned	Y

Node Type	Cover Condition	Benching Condition	1/2 Channel Condition	Node Condition Remarks
MH				

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	General Remarks
A				R	N	12.89	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 5%		4_1	0:00:00	
03.59m	JN	Junction 01 : 100mm Diameter		4_2	0:00:37	
12.89m	MHF	Finish node type, manhole		4_99		

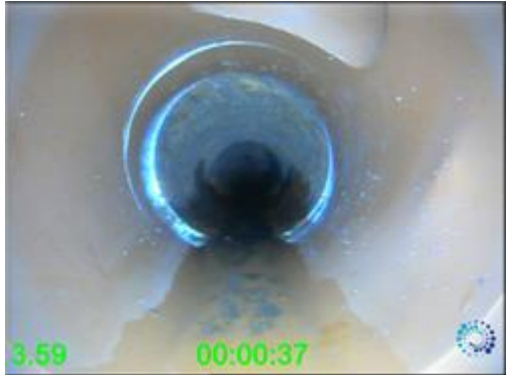
Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 5

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole EXT MH 2	
00.00m	0:00:00	WL	Water level: 5% Height/Diameter	Image Provided - Ref: 4_1 
03.59m	0:00:37	JN	Junction at 01 o'clock: 100mm Diameter	Image Provided - Ref: 4_2 
12.89m		MHF	Finish node type, manhole EXT MH 1	Image Provided - Ref: 4_9999 

Total Defects for section



DRB Grade for Section



Site: 99 OXFORD ROAD, MANCHESTER

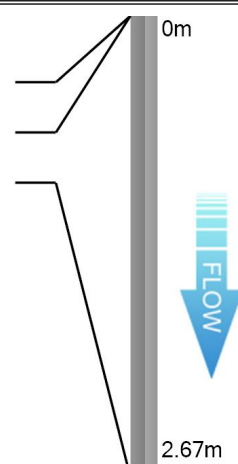
Section 6

Client:	Location (Street Name): 99 OXFORD ROAD	City/Town/Village MANCHESTER	Cust Job Ref.	Surveyors Name: LEE MORTON	Date: 30/09/2021
Start Node Ref:	EXT MH 1	Finish Node Ref:	CW 02	Direction:	D
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	PVC
				Cleaned	Y

Node Type	Cover Condition	Benching Condition	1/2 Channel Condition	Node Condition Remarks
MH				

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	General Remarks
A				R	N	2.67	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 5%		5_1	0:00:00	
02.67m	MHF	Finish node type, manhole		5_99		



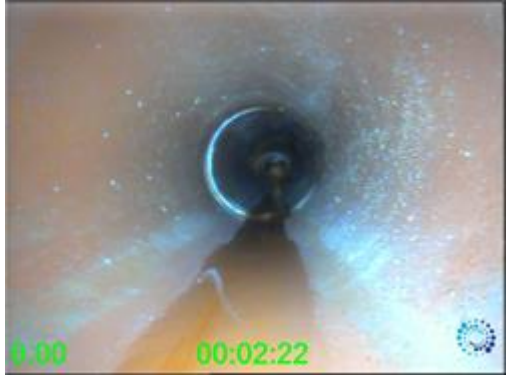
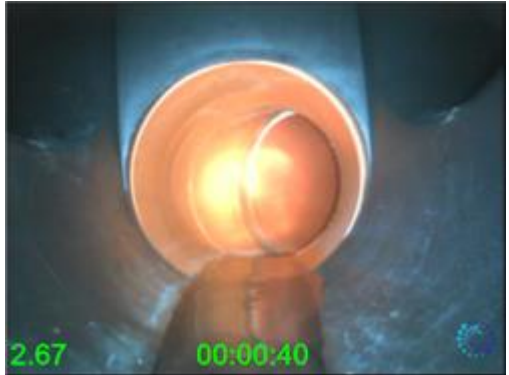
Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 6

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole EXT MH 1	
00.00m	0:00:00	WL	Water level: 5% Height/Diameter	Image Provided - Ref: 5_1 
02.67m		MHF	Finish node type, manhole CW 02	Image Provided - Ref: 5_9999 

Total Defects for section



DRB Grade for Section



Site: 99 OXFORD ROAD, MANCHESTER

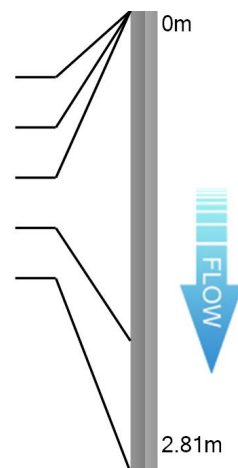
Section 7

Client:	Location (Street Name): 99 OXFORD ROAD	City/Town/Village MANCHESTER	Cust Job Ref.	Surveyors Name: LEE MORTON	Date: 30/09/2021
Start Node Ref:	CW 02	Finish Node Ref:	CW 03	Direction:	D
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	PVC
				Cleaned	Y

Node Type	Cover Condition	Benching Condition	1/2 Channel Condition	Node Condition Remarks
MH				

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	General Remarks
A				R	N	2.81	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 0%		6_1	0:00:00	
00.00m	LRQ	Line of drain/sewer deviates right [quarter]			0:00:05	
02.01m	LLQ	Line of drain/sewer deviates left [quarter]		6_3	0:00:18	
02.81m	MHF	Finish node type, manhole		6_99		



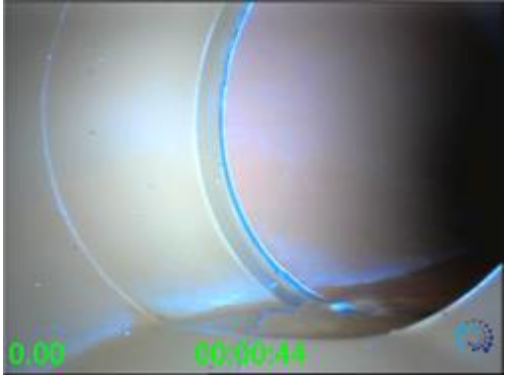
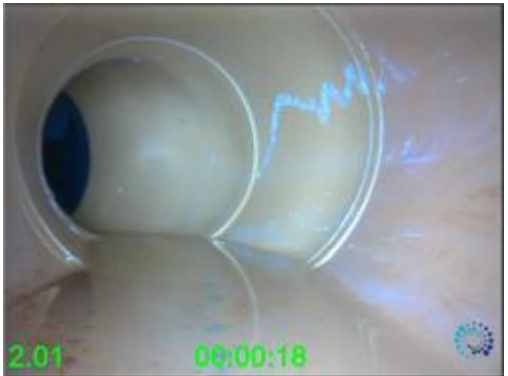
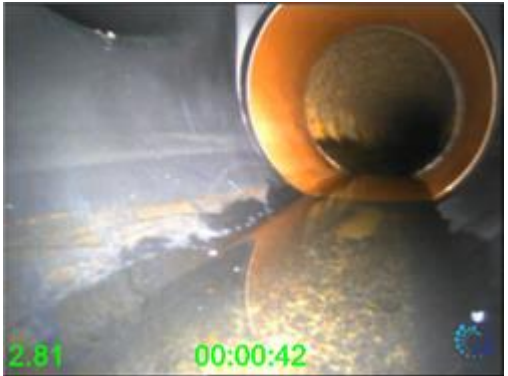
Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 7

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole CW 02	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	Image Provided - Ref: 6_1 
00.00m	0:00:05	LRQ	Line of drain/sewer deviates right [quarter]	
02.01m	0:00:18	LLQ	Line of drain/sewer deviates left [quarter]	Image Provided - Ref: 6_3 
02.81m		MHF	Finish node type, manhole CW 03	Image Provided - Ref: 6_9999 

Total Defects for section

DRB Grade for Section

0 0 0 0 0



Site: 99 OXFORD ROAD, MANCHESTER

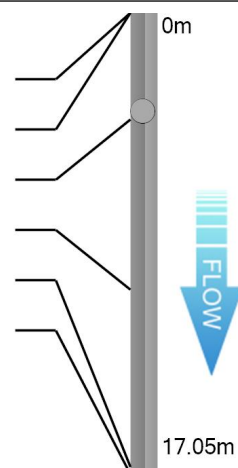
Section 8

Client:	Location (Street Name): 99 OXFORD ROAD	City/Town/Village MANCHESTER	Cust Job Ref.	Surveyors Name: LEE MORTON	Date: 30/09/2021
Start Node Ref:	CW 03	Finish Node Ref:	EXT MH 234	Direction:	D
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	CI
				Cleaned	Y

Node Type	Cover Condition	Benching Condition	1/2 Channel Condition	Node Condition Remarks
MH				

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	General Remarks
A				R	N	17.05	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 0%		7_1	0:00:00	
03.94m	JN	Junction 12 : 150mm Diameter		7_2	0:00:42	
10.23m	MC	Material of drain/sewer changes		7_3	0:01:28	
16.78m	REM	General remark		7_4	0:02:51	
17.05m	MHF	Finish node type, manhole		7_99		



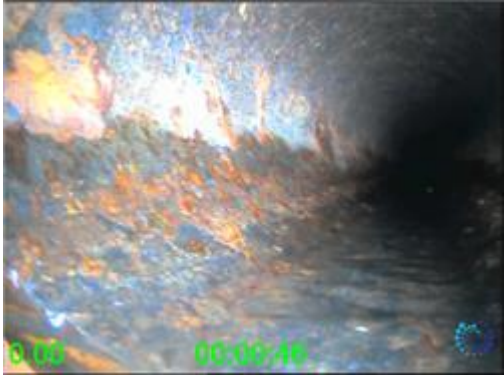
Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 8

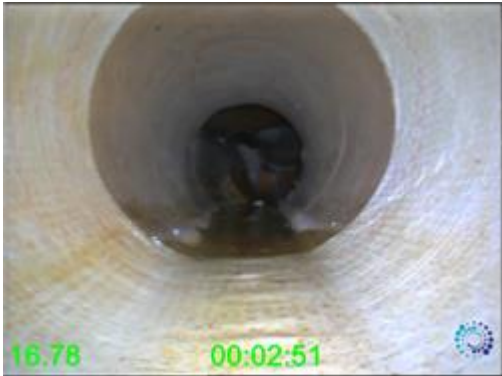
Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole CW 03	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	Image Provided - Ref: 7_1 
03.94m	0:00:42	JN	Junction at 12 o'clock: 150mm Diameter	Image Provided - Ref: 7_2 
10.23m	0:01:28	MCVC	Material of pipe changes to Vitrified Clay (i.e. all clayware)	Image Provided - Ref: 7_3 

Total Defects for section



DRB Grade for Section



Pos	Video Ref	Code	Description	Image
16.78m	0:02:51	REM	General remark PATCH LINER FITTED	Image Provided - Ref: 7_4 
17.05m		MHF	Finish node type, manhole EXT MH 234	Image Provided - Ref: 7_9999 

Total Defects for section



DRB Grade for Section



Site: 99 OXFORD ROAD, MANCHESTER

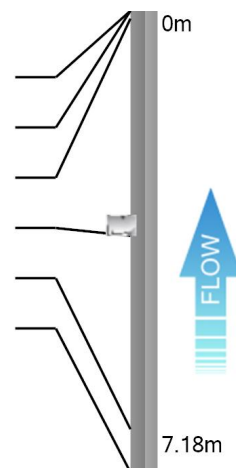
Section 9

Client:	Location (Street Name): 99 OXFORD ROAD	City/Town/Village MANCHESTER	Cust Job Ref.	Surveyors Name: LEE MORTON	Date: 30/09/2021
Start Node Ref:	EXT MH 3	Finish Node Ref:	BRANCH B	Direction:	U
Start Node Depth:	1.16	Finish Node Depth:	0.00	Use:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	CI
				Cleaned	Y

Node Type	Cover Condition	Benching Condition	1/2 Channel Condition	Node Condition Remarks
MH				

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	General Remarks
A				R	N	7.18	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 0%		8_1	0:00:00	
00.12m	MC	Material of drain/sewer changes		8_2	0:00:11	
03.50m	JN	Junction 03 : 100mm Diameter		8_3	0:00:37	
06.51m	LUF	Line of drain/sewer deviates up [full]		8_4	0:01:01	
07.18m	GYF	Finish node type Gully		8_99		



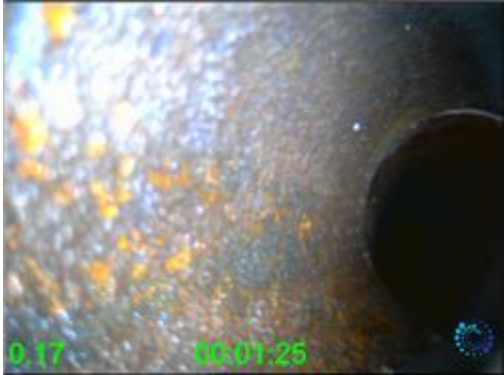
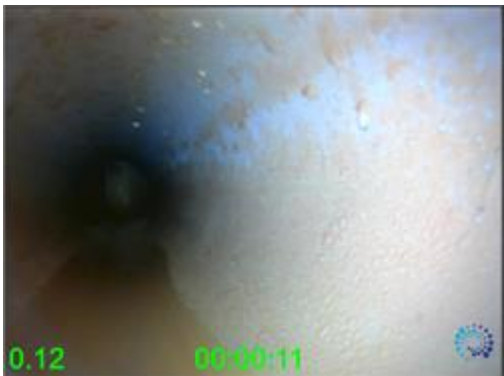
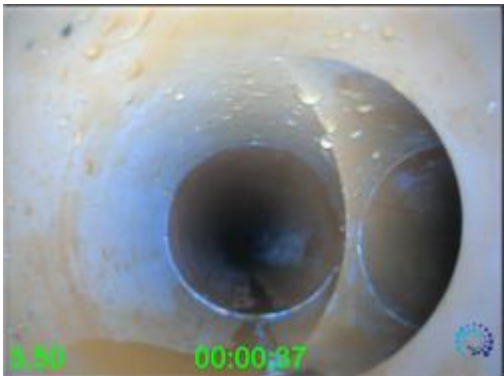
Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 9

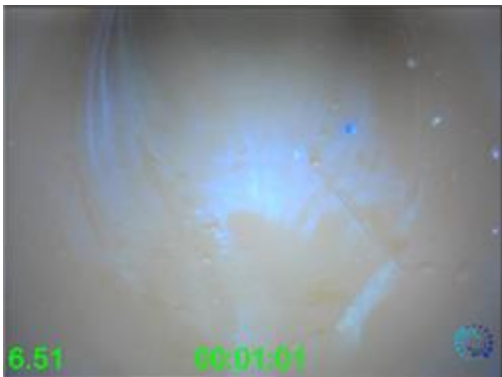
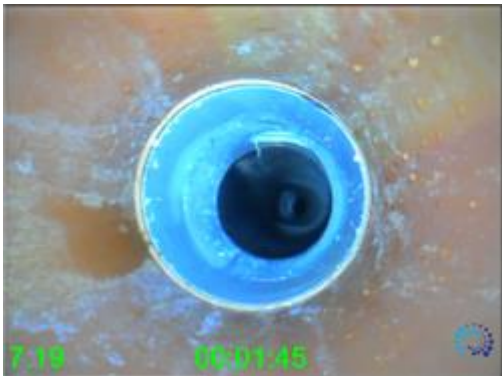
Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole EXT MH 3	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	Image Provided - Ref: 8_1 
00.12m	0:00:11	MCPVC	Material of pipe changes to Polyvinyl Chloride	Image Provided - Ref: 8_2 
03.50m	0:00:37	JN	Junction at 03 o'clock: 100mm Diameter	Image Provided - Ref: 8_3 

Total Defects for section



DRB Grade for Section



Pos	Video Ref	Code	Description	Image
06.51m	0:01:01	LUF	Line of drain/sewer deviates up [full]	Image Provided - Ref: 8_4 
07.18m		GYF	Finish node type Gully BRANCH B - REST BEND	Image Provided - Ref: 8_9999 

Total Defects for section



DRB Grade for Section



Site: 99 OXFORD ROAD, MANCHESTER

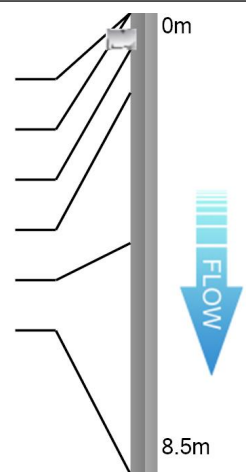
Section 10

Client:	Location (Street Name): 99 OXFORD ROAD	City/Town/Village MANCHESTER	Cust Job Ref.	Surveyors Name: LEE MORTON	Date: 30/09/2021
Start Node Ref:	POP UP 1	Finish Node Ref:	EXT MH 3	Direction: D	Height/Dia: 100
Start Node Depth:	0.00	Finish Node Depth:	1.16	Use: C	Shape: C
Start Node Coordinate:		Finish Node Coordinate:		Material: PVC	Cleaned Y

Node Type	Cover Condition	Benching Condition	1/2 Channel Condition	Node Condition Remarks
RE				

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	General Remarks
A				R	N	8.5	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	RE	Start node type, rodding eye				
00.00m	WL	Water level 0%		9_1	0:00:00	
00.68m	JN	Junction 03 : 100mm Diameter		9_2	0:00:26	
01.47m	OB	Other obstacles 0%		9_3	0:00:40	
04.24m	REM	General remark		9_4	0:01:05	
08.50m	OCF	Finish node type, other special chamber		9_99		



Total Defects for section

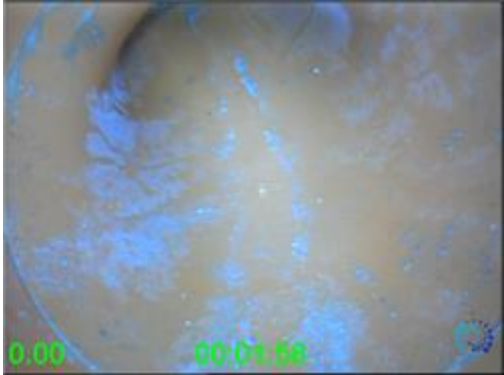
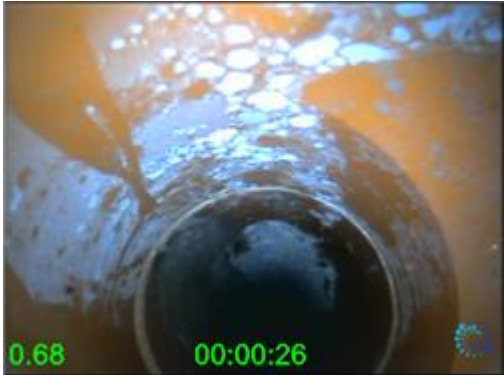


DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 10

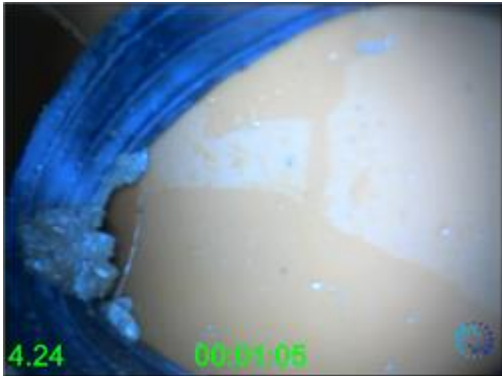
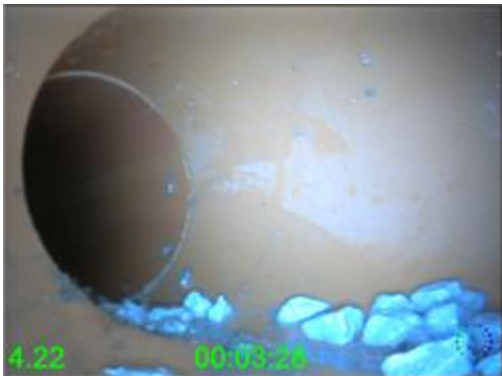
Pos	Video Ref	Code	Description	Image
00.00m		RE	Start node type, rodding eye POP UP 1	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	Image Provided - Ref: 9_1 
00.68m	0:00:26	JN	Junction at 03 o'clock: 100mm Diameter	Image Provided - Ref: 9_2 
01.47m	0:00:40	OB	Other obstacles: 0% Cross sectional area loss - Severity 3 RUBBER SEALING RING	Image Provided - Ref: 9_3 

Total Defects for section



DRB Grade for Section



Pos	Video Ref	Code	Description	Image
04.24m	0:01:05	REM	General remark PUSHING THROUGH TO THE MANHOLE	Image Provided - Ref: 9_4 
08.50m		OCF	Finish node type, other special chamber EXT MH 3 - SURVEY OVERLAP IS COMPLETE	Image Provided - Ref: 9_9999 

Total Defects for section



DRB Grade for Section



Site: 99 OXFORD ROAD, MANCHESTER

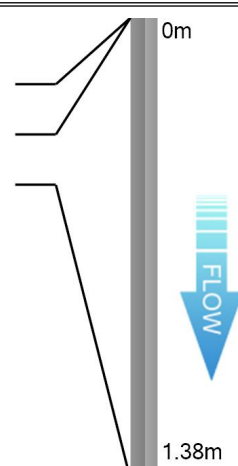
Section 11

Client:	Location (Street Name): 99 OXFORD ROAD	City/Town/Village MANCHESTER	Cust Job Ref.	Surveyors Name: LEE MORTON	Date: 30/09/2021
Start Node Ref:	POP UP 3	Finish Node Ref:	EXT MH 3	Direction: D	Height/Dia: 100
Start Node Depth:	0.00	Finish Node Depth:	1.16	Use: C	Shape: C
Start Node Coordinate:		Finish Node Coordinate:		Material: PVC	Cleaned Y

Node Type	Cover Condition	Benching Condition	1/2 Channel Condition	Node Condition Remarks
RE				

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	General Remarks
A				R	N	1.38	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	RE	Start node type, rodding eye				
00.00m	WL	Water level 0%		10_1	0:00:00	
01.38m	OCF	Finish node type, other special chamber		10_9		



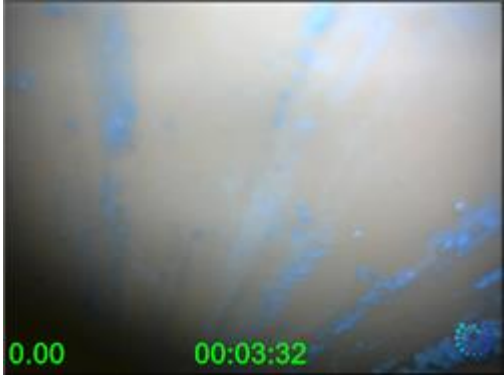
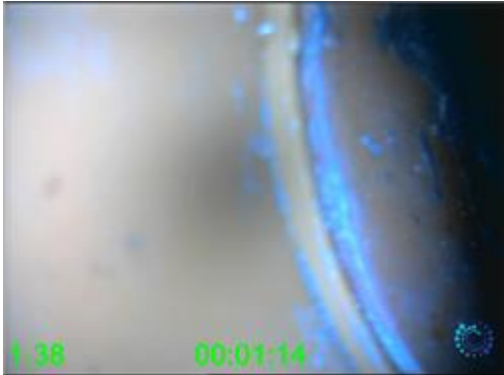
Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 11

Pos	Video Ref	Code	Description	Image
00.00m		RE	Start node type, rodding eye POP UP 3	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	Image Provided - Ref: 10_1 
01.38m		OCF	Finish node type, other special chamber EXT MH 3 - JOINS THE CARRIER FROM POP UP 2	Image Provided - Ref: 10_9999 

Total Defects for section



DRB Grade for Section



Site: 99 OXFORD ROAD, MANCHESTER

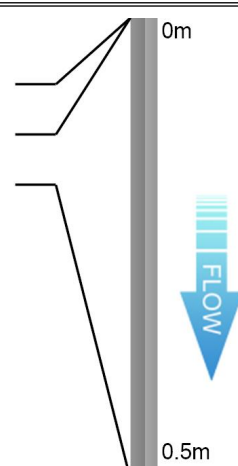
Section 12

Client:	Location (Street Name): 99 OXFORD ROAD	City/Town/Village MANCHESTER	Cust Job Ref.	Surveyors Name: LEE MORTON	Date: 30/09/2021
Start Node Ref:	POP UP 2	Finish Node Ref:	CW 01	Direction: D	Height/Dia: 100
Start Node Depth:	0.00	Finish Node Depth:	1.06	Use: C	Shape: C
Start Node Coordinate:		Finish Node Coordinate:		Material: PVC	Cleaned Y

Node Type	Cover Condition	Benching Condition	1/2 Channel Condition	Node Condition Remarks
RE				

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	General Remarks
A				R	N	0.5	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	RE	Start node type, rodding eye				
00.00m	WL	Water level 5%		11_1	0:00:00	
00.50m	MHF	Finish node type, manhole		11_9		



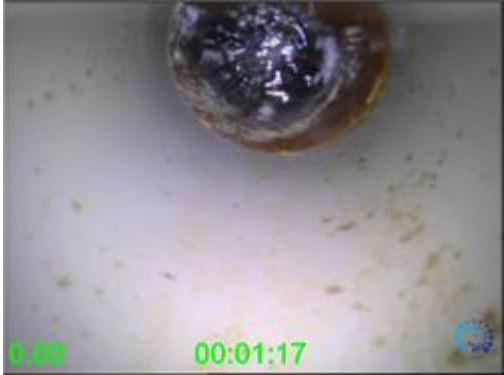
Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 12

Pos	Video Ref	Code	Description	Image
00.00m		RE	Start node type, rodding eye POP UP 2	
00.00m	0:00:00	WL	Water level: 5% Height/Diameter	Image Provided - Ref: 11_1 
00.50m		MHF	Finish node type, manhole CW 01 - IN LINE TRAP	Image Provided - Ref: 11_9999 

Total Defects for section



DRB Grade for Section



Site: 99 OXFORD ROAD, MANCHESTER

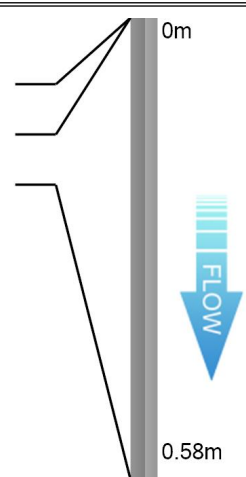
Section 13

Client:	Location (Street Name): 99 OXFORD ROAD	City/Town/Village MANCHESTER	Cust Job Ref.	Surveyors Name: LEE MORTON	Date: 30/09/2021
Start Node Ref:	POP UP 1	Finish Node Ref:	CW 01	Direction: D	Height/Dia: 100
Start Node Depth:	0.00	Finish Node Depth:	1.06	Use: C	Shape: C
Start Node Coordinate:		Finish Node Coordinate:		Material: PVC	Cleaned Y

Node Type	Cover Condition	Benching Condition	1/2 Channel Condition	Node Condition Remarks
RE				

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	General Remarks
A				R	N	0.58	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	RE	Start node type, rodding eye				
00.00m	WL	Water level 5%		12_1	0:00:00	
00.58m	OCF	Finish node type, other special chamber		12_9		



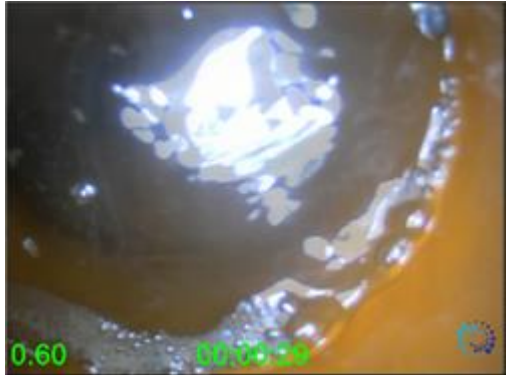
Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 13

Pos	Video Ref	Code	Description	Image
00.00m		RE	Start node type, rodding eye POP UP 1	
00.00m	0:00:00	WL	Water level: 5% Height/Diameter	Image Provided - Ref: 12_1 
00.58m		OCF	Finish node type, other special chamber CW 01	Image Provided - Ref: 12_9999 

Total Defects for section



DRB Grade for Section



Site: 99 OXFORD ROAD, MANCHESTER

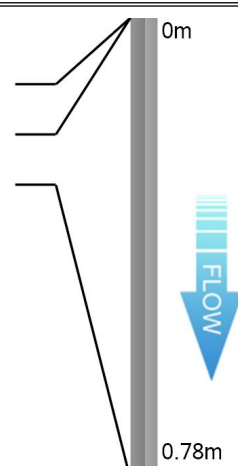
Section 14

Client:	Location (Street Name): 99 OXFORD ROAD	City/Town/Village MANCHESTER	Cust Job Ref.	Surveyors Name: LEE MORTON	Date: 30/09/2021
Start Node Ref:	POP UP 2	Finish Node Ref:	EXT MH 1	Direction: D	Height/Dia: 100
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use: C	Shape: C
Start Node Coordinate:		Finish Node Coordinate:		Material: PVC	Cleaned Y

Node Type	Cover Condition	Benching Condition	1/2 Channel Condition	Node Condition Remarks
LH				

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	General Remarks
A				R	N	0.78	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	LH	Start node type, lamphole				
00.00m	WL	Water level 5%		13_1	0:00:00	
00.78m	OCF	Finish node type, other special chamber		13_9		



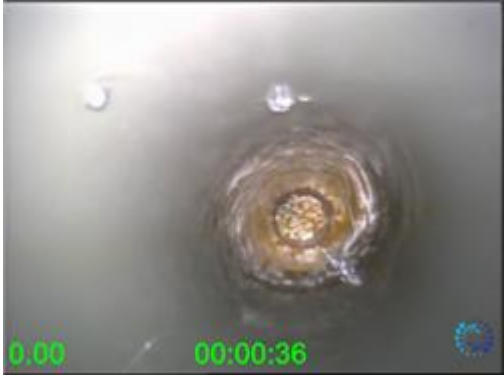
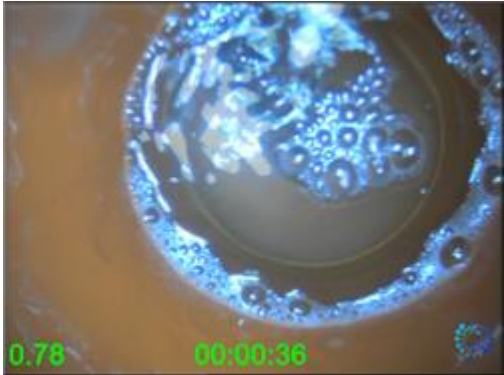
Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 14

Pos	Video Ref	Code	Description	Image
00.00m		LH	Start node type, lamphole POP UP 2	
00.00m	0:00:00	WL	Water level: 5% Height/Diameter	Image Provided - Ref: 13_1 
00.78m		OCF	Finish node type, other special chamber EXT MH 1	Image Provided - Ref: 13_9999 

Total Defects for section



DRB Grade for Section



Site: 99 OXFORD ROAD, MANCHESTER

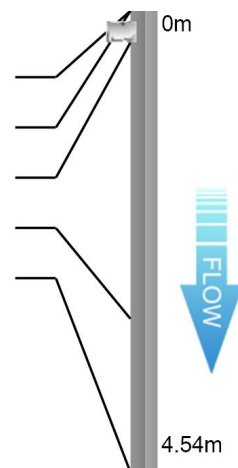
Section 15

Client:	Location (Street Name): 99 OXFORD ROAD	City/Town/Village MANCHESTER	Cust Job Ref.	Surveyors Name: LEE MORTON	Date: 30/09/2021
Start Node Ref:	POP UP 1	Finish Node Ref:	EXT MH 1	Direction: D	Height/Dia: 100
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use: C	Shape: C
Start Node Coordinate:		Finish Node Coordinate:		Material: PVC	Cleaned Y

Node Type	Cover Condition	Benching Condition	1/2 Channel Condition	Node Condition Remarks
RE				

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	General Remarks
A				R	N	4.54	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	RE	Start node type, rodding eye				
00.00m	WL	Water level 5%		14_1	0:00:00	
00.31m	JN	Junction 03 : 35mm Diameter		14_2	0:00:19	
03.03m	LDF	Line of drain/sewer deviates down [full]		14_3	0:00:49	
04.54m	MHF	Finish node type, manhole				



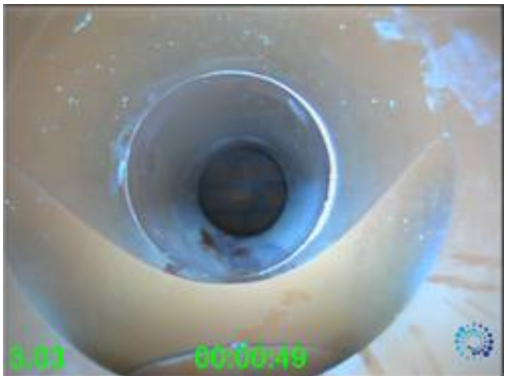
Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 15

Pos	Video Ref	Code	Description	Image
00.00m		RE	Start node type, rodding eye POP UP 1	
00.00m	0:00:00	WL	Water level: 5% Height/Diameter	Image Provided - Ref: 14_1 
00.31m	0:00:19	JN	Junction at 03 o'clock: 35mm Diameter	Image Provided - Ref: 14_2 
03.03m	0:00:49	LDF	Line of drain/sewer deviates down [full] BACKDROP	Image Provided - Ref: 14_3 
04.54m		MHF	Finish node type, manhole EXT MH 1	

Total Defects for section



DRB Grade for Section



Site: 99 OXFORD ROAD, MANCHESTER

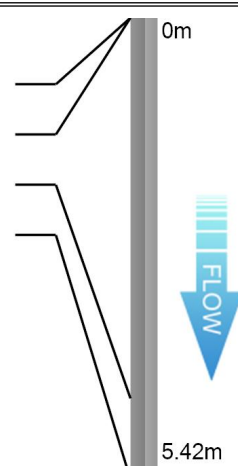
Section 16

Client:	Location (Street Name): 99 OXFORD ROAD	City/Town/Village MANCHESTER	Cust Job Ref.	Surveyors Name: LEE MORTON	Date: 30/09/2021
Start Node Ref:	POP UP 4	Finish Node Ref:	MAIN CARRIER	Direction: D	Height/Dia: 100
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use: C	Shape: C
Start Node Coordinate:		Finish Node Coordinate:		Material: PVC	Cleaned Y

Node Type	Cover Condition	Benching Condition	1/2 Channel Condition	Node Condition Remarks
RE				

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	General Remarks
A				R	N	5.42	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	RE	Start node type, rodding eye				
00.00m	WL	Water level 5%		15_1	0:00:00	
04.47m	LDH	Line of drain/sewer deviates down [half]		15_2	0:00:35	
05.42m	BRF	Finish node type, major connection without		15_9		



Total Defects for section

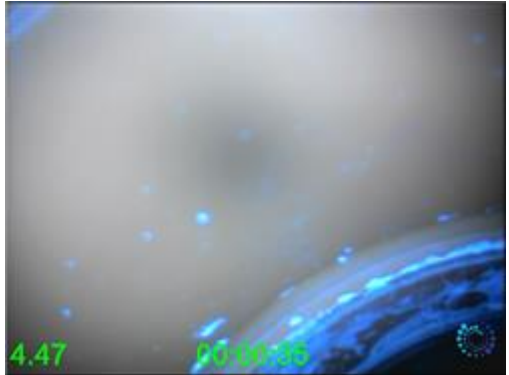
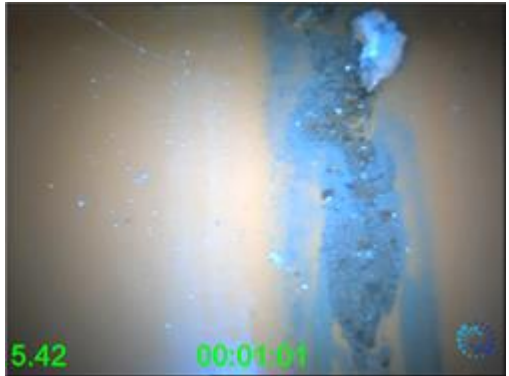
DRB Grade for Section

0 0 0 0 0



Descriptive Report with Remarks and Observation Images

Section 16

Pos	Video Ref	Code	Description	Image
00.00m		RE	Start node type, rodding eye POP UP 4	
00.00m	0:00:00	WL	Water level: 5% Height/Diameter	Image Provided - Ref: 15_1 
04.47m	0:00:35	LDH	Line of drain/sewer deviates down [half]	Image Provided - Ref: 15_2 
05.42m		BRF	Finish node type, major connection without manhole MAIN CARRIER	Image Provided - Ref: 15_9999 

Total Defects for section

DRB Grade for Section

0 0 0 0 0



Site: 99 OXFORD ROAD, MANCHESTER

Section 17

Client:	Location (Street Name): 99 OXFORD ROAD	City/Town/Village MANCHESTER	Cust Job Ref.	Surveyors Name: LEE MORTON	Date: 30/09/2021
Start Node Ref:	EXT MH 1	Finish Node Ref:	POP UP 2	Direction:	D
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	PVC
				Cleaned	Y

Node Type	Cover Condition	Benching Condition	1/2 Channel Condition	Node Condition Remarks
MH			Good ✓	

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	General Remarks
A				D	N	0	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				—
00.00m	WL	Water level 5%		16_1	0:00:00	—
00.00m	OCF	Finish node type, other special chamber		16_9		—

0m



0m

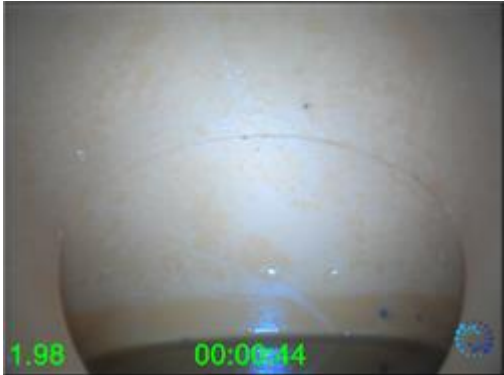
Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 17

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole EXT MH 1	
00.00m	0:00:00	WL	Water level: 5% Height/Diameter	Image Provided - Ref: 16_1 
00.00m		OCF	Finish node type, other special chamber POP UP 2 - IN LINE TRAP	Image Provided - Ref: 16_9999 

Total Defects for section



DRB Grade for Section



Site: 99 OXFORD ROAD, MANCHESTER

Section 18

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:		
	99 OXFORD ROAD	MANCHESTER		LEE MORTON	30/09/2021		
Start Node Ref:	POP UP 5	Finish Node Ref:	SW 1	Direction:	D	Height/Dia:	100
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	C	Shape:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	PVC	Cleaned	Y

Node Type	Cover Condition	Benching Condition	1/2 Channel Condition	Node Condition Remarks
RE				

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	General Remarks
A				D	N	2.5	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	RE	Start node type, rodding eye				
00.00m	WL	Water level 5%		17_1	0:00:00	
01.09m	LDH	Line of drain/sewer deviates down [half]		17_2	0:00:38	
02.50m	MHF	Finish node type, manhole		17_9		

Total Defects for section

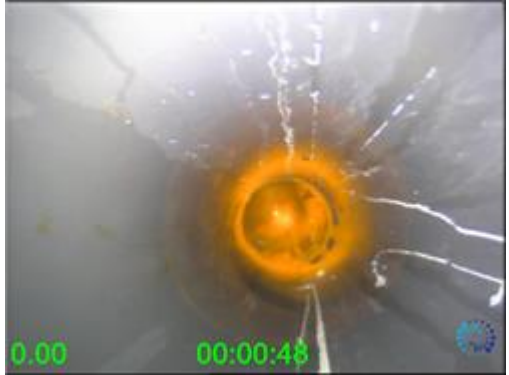
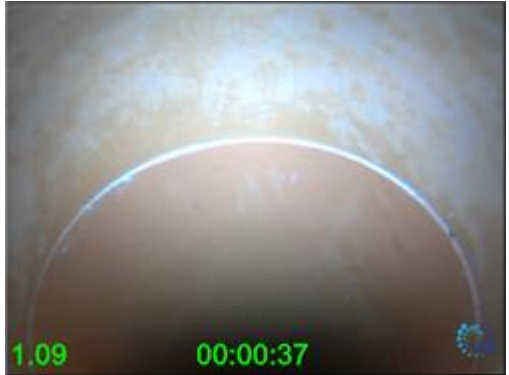
DRB Grade for Section

0 0 0 0 0



Descriptive Report with Remarks and Observation Images

Section 18

Pos	Video Ref	Code	Description	Image
00.00m		RE	Start node type, rodding eye POP UP 5	
00.00m	0:00:00	WL	Water level: 5% Height/Diameter	Image Provided - Ref: 17_1 
01.09m	0:00:38	LDH	Line of drain/sewer deviates down [half]	Image Provided - Ref: 17_2 
02.50m		MHF	Finish node type, manhole SW 5	Image Provided - Ref: 17_9999 

Total Defects for section



DRB Grade for Section



Site: 99 OXFORD ROAD, MANCHESTER

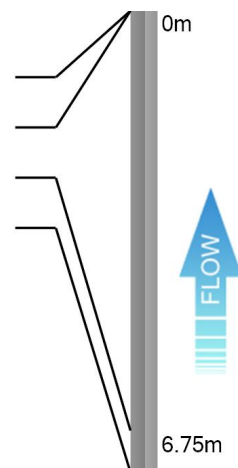
Section 19

Client:	Location (Street Name): 99 OXFORD ROAD	City/Town/Village MANCHESTER	Cust Job Ref.	Surveyors Name: LEE MORTON	Date: 30/09/2021
Start Node Ref:	EXT MH 5	Finish Node Ref:	BRANCH B	Direction:	U
Start Node Depth:	0.72	Finish Node Depth:	0.00	Use:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	PVC
				Cleaned	Y

Node Type	Cover Condition	Benching Condition	1/2 Channel Condition	Node Condition Remarks
MH				

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	General Remarks
A				D	N	6.75	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	Water level 5%		18_1	0:00:00
06.14m	LUF	Line of drain/sewer deviates up [full]		18_2	0:00:57
06.75m	GYF	Finish node type Gully		18_9	



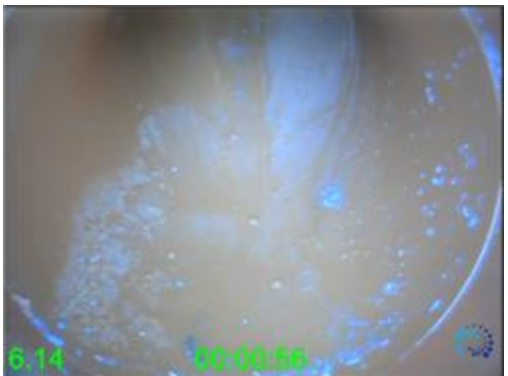
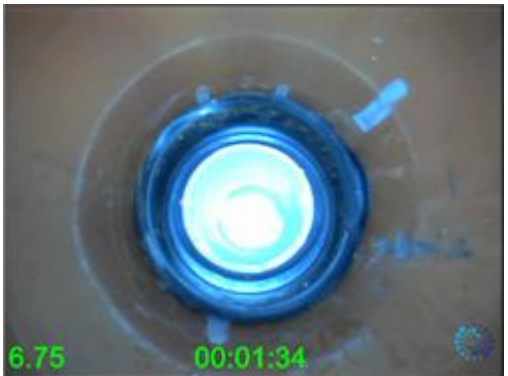
Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 19

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole EXT MH 5	
00.00m	0:00:00	WL	Water level: 5% Height/Diameter	Image Provided - Ref: 18_1 
06.14m	0:00:57	LUF	Line of drain/sewer deviates up [full]	Image Provided - Ref: 18_2 
06.75m		GYF	Finish node type Gully BRANCH B - GULLY	Image Provided - Ref: 18_9999 

Total Defects for section



DRB Grade for Section



Site: 99 OXFORD ROAD, MANCHESTER

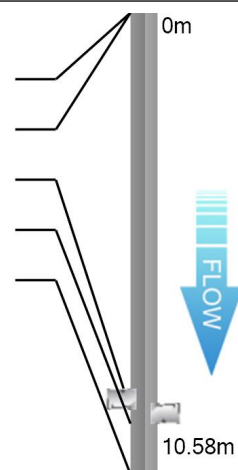
Section 20

Client:	Location (Street Name): 99 OXFORD ROAD	City/Town/Village MANCHESTER	Cust Job Ref.	Surveyors Name: LEE MORTON	Date: 30/09/2021
Start Node Ref:	EXT MH 5	Finish Node Ref:	CW 05	Direction:	D
Start Node Depth:	0.72	Finish Node Depth:	0.00	Use:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	CI
				Cleaned	Y

Node Type	Cover Condition	Benching Condition	1/2 Channel Condition	Node Condition Remarks
MH				

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	General Remarks
A				D	N	10.58	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 5%		19_1	0:00:00	
09.10m	JN	Junction 01 : 100mm Diameter		19_2	0:00:43	
09.42m	JN	Junction 10 : 100mm Diameter		19_3	0:00:59	
10.58m	MHF	Finish node type, manhole		19_9		



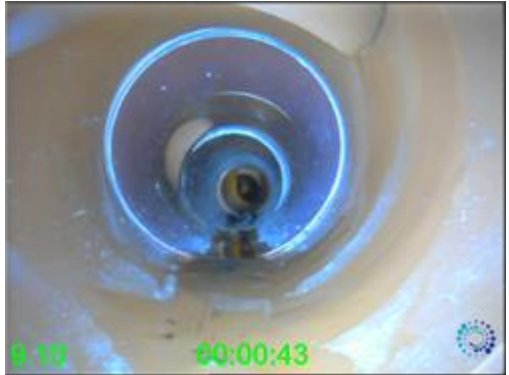
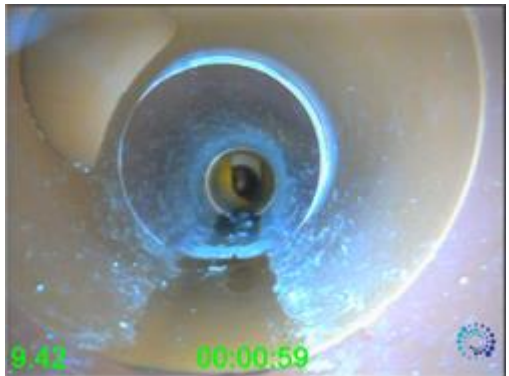
Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 20

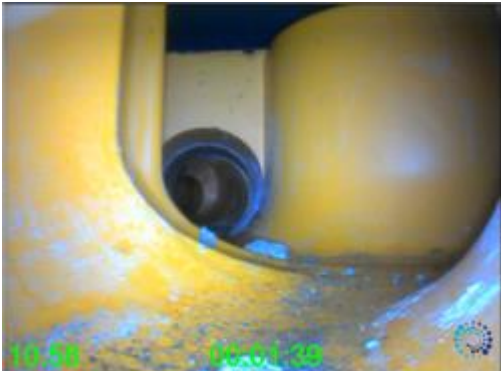
Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole EXT MH 5	
00.00m	0:00:00	WL	Water level: 5% Height/Diameter	Image Provided - Ref: 19_1 
09.10m	0:00:43	JN	Junction at 01 o'clock: 100mm Diameter	Image Provided - Ref: 19_2 
09.42m	0:00:59	JN	Junction at 10 o'clock: 100mm Diameter	Image Provided - Ref: 19_3 

Total Defects for section



DRB Grade for Section



Pos	Video Ref	Code	Description	Image
10.58m		MHF	Finish node type, manhole EXT MH 239	Image Provided - Ref: 19_9999 

Total Defects for section



DRB Grade for Section



Site: 99 OXFORD ROAD, MANCHESTER

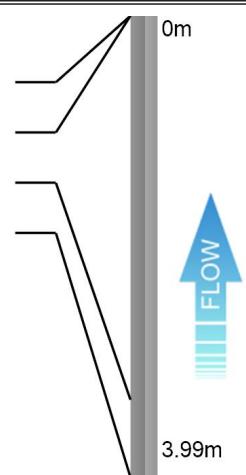
Section 21

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
	99 OXFORD ROAD	MANCHESTER		LEE MORTON	30/09/2021
Start Node Ref:	CW 04	Finish Node Ref:	BRANCH A	Direction: U	Height/Dia: 150
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use: C	Shape: C
Start Node Coordinate:		Finish Node Coordinate:		Material: PVC	Cleaned Y

Node Type	Cover Condition	Benching Condition	1/2 Channel Condition	Node Condition Remarks
MH				

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	General Remarks
A				D	N	3.99	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 0%			0:00:00	
03.32m	LUF	Line of drain/sewer deviates up [full]		20_2	0:00:32	
03.99m	GYF	Finish node type Gully				



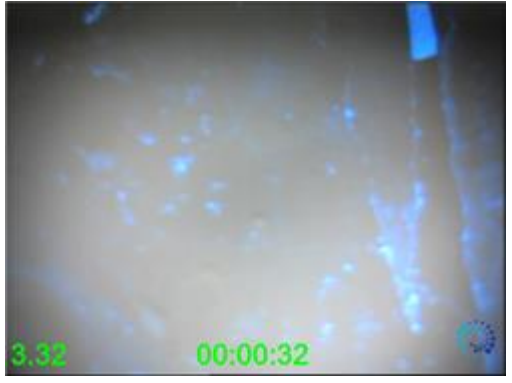
Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 21

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole CW 04	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
03.32m	0:00:32	LUF	Line of drain/sewer deviates up [full]	Image Provided - Ref: 20_2 
03.99m		GYF	Finish node type Gully BRANCH A - GULLY	

Total Defects for section



DRB Grade for Section



Site: 99 OXFORD ROAD, MANCHESTER

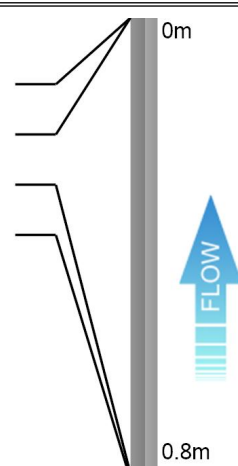
Section 22

Client:	Location (Street Name): 99 OXFORD ROAD	City/Town/Village MANCHESTER	Cust Job Ref.	Surveyors Name: LEE MORTON	Date: 30/09/2021
Start Node Ref:	CW 04	Finish Node Ref:	BRANCH B	Direction:	U
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	PVC
				Cleaned	Y

Node Type	Cover Condition	Benching Condition	1/2 Channel Condition	Node Condition Remarks
MH				

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	General Remarks
A				D	N	0.8	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 0%			0:00:00	
00.79m	LRQ	Line of drain/sewer deviates right [quarter]		21_2	0:00:09	
00.80m	GYF	Finish node type Gully		21_9		



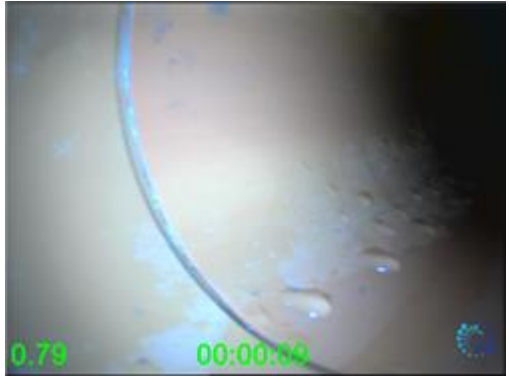
Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 22

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole CW 04	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
00.79m	0:00:09	LRQ	Line of drain/sewer deviates right [quarter]	Image Provided - Ref: 21_2 
00.80m		GYF	Finish node type Gully BRANCH B - GULLY	Image Provided - Ref: 21_9999 

Total Defects for section



DRB Grade for Section



Site: 99 OXFORD ROAD, MANCHESTER

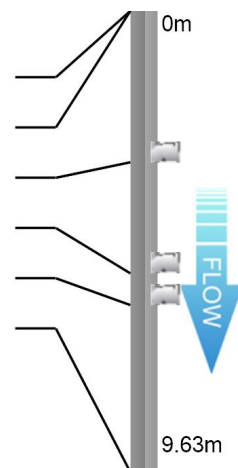
Section 23

Client:	Location (Street Name): 99 OXFORD ROAD	City/Town/Village MANCHESTER	Cust Job Ref.	Surveyors Name: LEE MORTON	Date: 30/09/2021
Start Node Ref:	CW 04	Finish Node Ref:	EXT MH 238	Direction:	D
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	PVC
				Cleaned	Y

Node Type	Cover Condition	Benching Condition	1/2 Channel Condition	Node Condition Remarks
MH				

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	General Remarks
A				D	N	9.63	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 5%		22_1	0:00:00	
03.16m	JN	Junction 09 : 100mm Diameter		22_2	0:00:22	
05.48m	JN	Junction 09 : 100mm Diameter		22_3	0:00:52	
06.14m	JN	Junction 10 : 100mm Diameter		22_4	0:01:06	
09.63m	MHF	Finish node type, manhole		22_9		



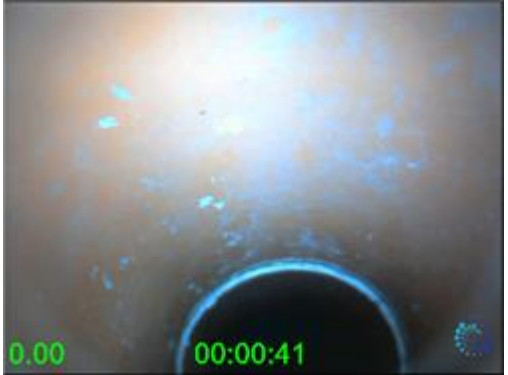
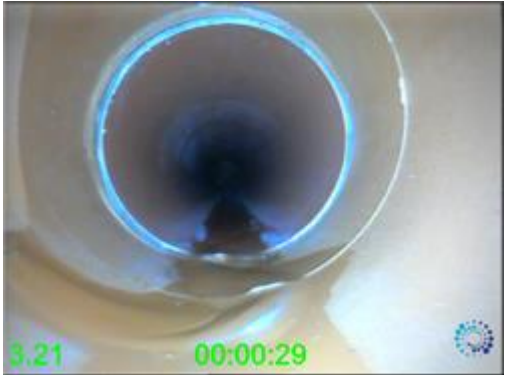
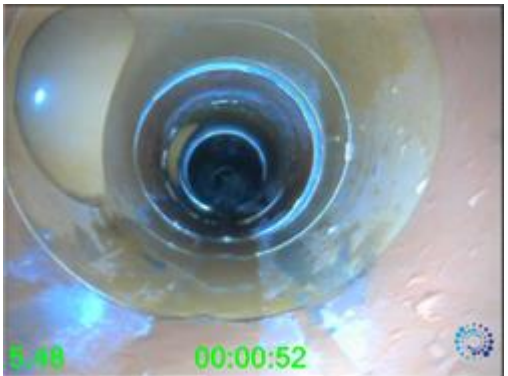
Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 23

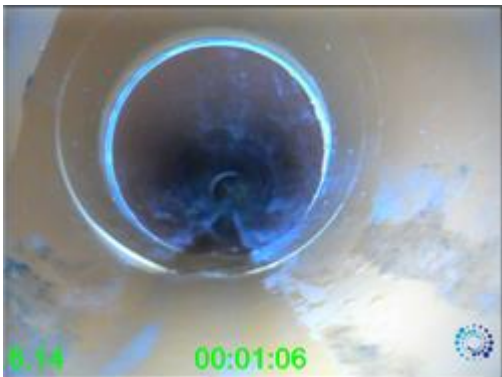
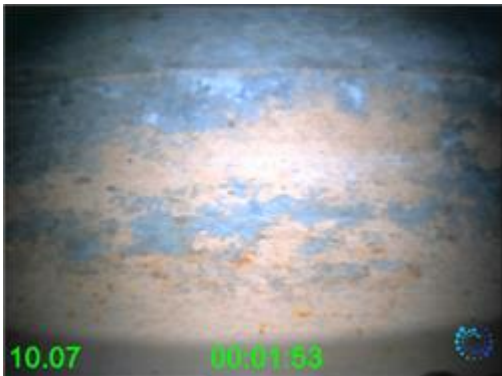
Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole CW 04	
00.00m	0:00:00	WL	Water level: 5% Height/Diameter	Image Provided - Ref: 22_1 
03.16m	0:00:22	JN	Junction at 09 o'clock: 100mm Diameter	Image Provided - Ref: 22_2 
05.48m	0:00:52	JN	Junction at 09 o'clock: 100mm Diameter	Image Provided - Ref: 22_3 

Total Defects for section



DRB Grade for Section



Pos	Video Ref	Code	Description	Image
06.14m	0:01:06	JN	Junction at 10 o'clock: 100mm Diameter	Image Provided - Ref: 22_4 
09.63m		MHF	Finish node type, manhole EXT MH 238	Image Provided - Ref: 22_9999 

Total Defects for section



DRB Grade for Section



Site: 99 OXFORD ROAD, MANCHESTER

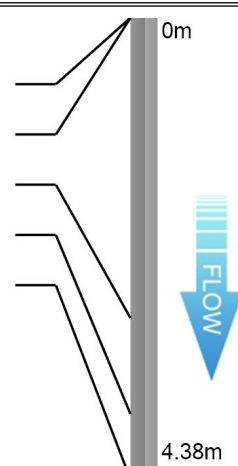
Section 24

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:		
	99 OXFORD ROAD	MANCHESTER		LEE MORTON	30/09/2021		
Start Node Ref:	FLOOR GULLY 1	Finish Node Ref:	MAIN CARRIER	Direction:	D	Height/Dia:	100
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	C	Shape:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	PVC	Cleaned	Y

Node Type	Cover Condition	Benching Condition	1/2 Channel Condition	Node Condition Remarks
GY				

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	General Remarks
A				D	N	4.38	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	GY	Start node type Gully				
00.00m	WL	Water level 5%		23_1	0:00:00	
02.85m	LDQ	Line of drain/sewer deviates down [quarter]		23_2	0:00:36	
03.76m	REM	General remark		23_3	0:00:47	
04.38m	MHF	Finish node type, manhole		23_9		



Total Defects for section

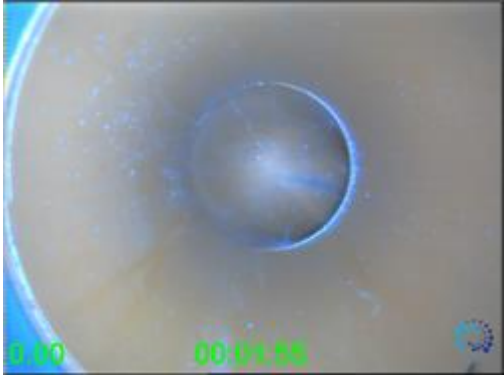
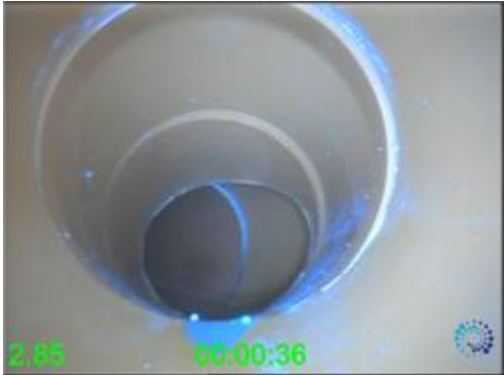
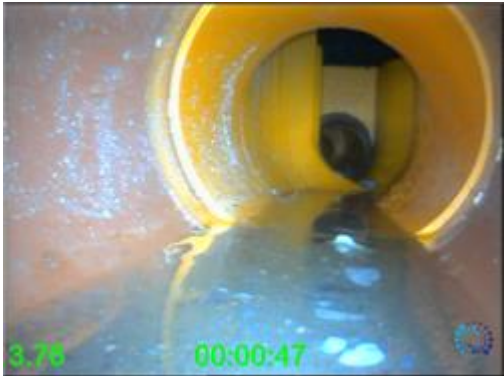
DRB Grade for Section

0 0 0 0 0



Descriptive Report with Remarks and Observation Images

Section 24

Pos	Video Ref	Code	Description	Image
00.00m		GY	Start node type Gully FLOOR GULLY 1	
00.00m	0:00:00	WL	Water level: 5% Height/Diameter	Image Provided - Ref: 23_1 
02.85m	0:00:36	LDQ	Line of drain/sewer deviates down [quarter]	Image Provided - Ref: 23_2 
03.76m	0:00:47	REM	General remark MAIN CARRIER	Image Provided - Ref: 23_3 

Total Defects for section



DRB Grade for Section



Pos	Video Ref	Code	Description	Image
04.38m		MHF	Finish node type, manhole CW 05	Image Provided - Ref: 23_9999 

Total Defects for section



DRB Grade for Section



Site: 99 OXFORD ROAD, MANCHESTER

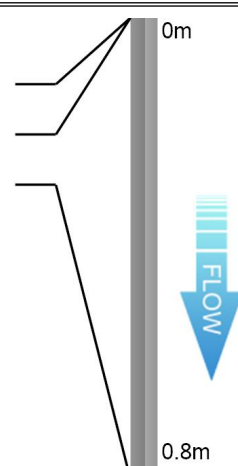
Section 25

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:		
	99 OXFORD ROAD	MANCHESTER		LEE MORTON	30/09/2021		
Start Node Ref:	POP UP 6	Finish Node Ref:	MAIN CARRIER	Direction:	D	Height/Dia:	100
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	C	Shape:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	PVC	Cleaned	Y

Node Type	Cover Condition	Benching Condition	1/2 Channel Condition	Node Condition Remarks
RE				

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	General Remarks
A				D	N	0.8	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	RE	Start node type, rodding eye				
00.00m	WL	Water level 5%			0:00:00	
00.80m	GYF	Finish node type Gully		24_9		



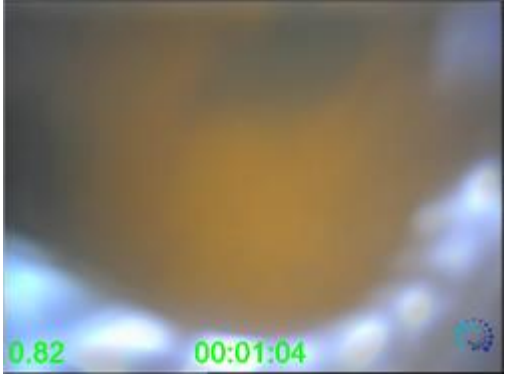
Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 25

Pos	Video Ref	Code	Description	Image
00.00m		RE	Start node type, rodding eye POP UP 6	
00.00m	0:00:00	WL	Water level: 5% Height/Diameter	
00.80m		GYF	Finish node type Gully MAIN CARRIER - IN LINE TRAP	Image Provided - Ref: 24_9999 

Total Defects for section



DRB Grade for Section



Site: 99 OXFORD ROAD, MANCHESTER

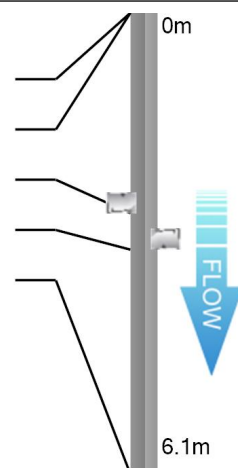
Section 26

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:		
	99 OXFORD ROAD	MANCHESTER		LEE MORTON	30/09/2021		
Start Node Ref:	POP UP 7	Finish Node Ref:	FW 2	Direction:	D	Height/Dia:	100
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	C	Shape:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	PVC	Cleaned	Y

Node Type	Cover Condition	Benching Condition	1/2 Channel Condition	Node Condition Remarks
RE				

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	General Remarks
A				D	N	6.1	

Position	Code	Description	CD	Pic	Video Ref
00.00m	RE	Start node type, rodding eye			
00.00m	WL	Water level 5%		25_1	0:00:00
02.65m	JN	Junction 02 : 100mm Diameter		25_2	0:00:38
03.13m	JN	Junction 09 : 100mm Diameter		25_3	0:00:47
06.10m	MHF	Finish node type, manhole		25_9	



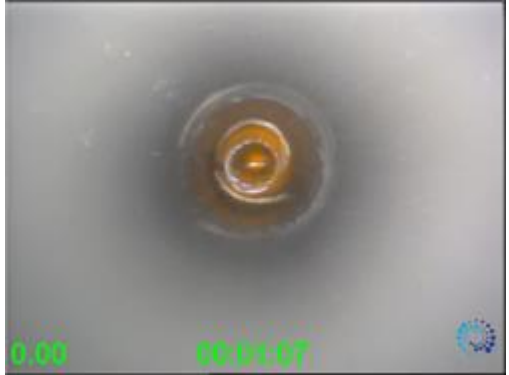
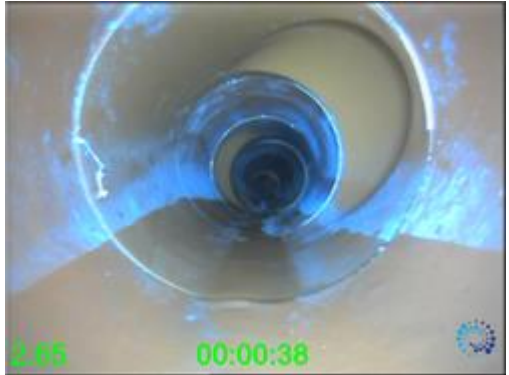
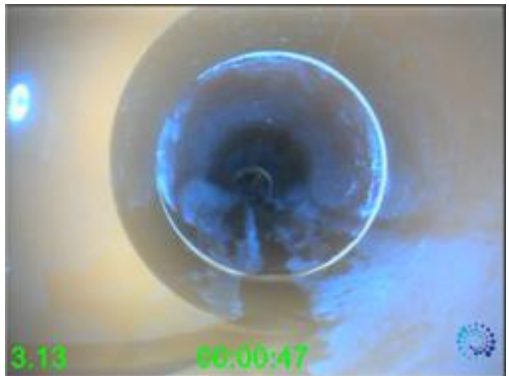
Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 26

Pos	Video Ref	Code	Description	Image
00.00m		RE	Start node type, rodding eye POP UP 7	
00.00m	0:00:00	WL	Water level: 5% Height/Diameter	Image Provided - Ref: 25_1 
02.65m	0:00:38	JN	Junction at 02 o'clock: 100mm Diameter	Image Provided - Ref: 25_2 
03.13m	0:00:47	JN	Junction at 09 o'clock: 100mm Diameter	Image Provided - Ref: 25_3 

Total Defects for section

DRB Grade for Section



Pos	Video Ref	Code	Description	Image
06.10m		MHF	Finish node type, manhole FW 2	Image Provided - Ref: 25_9999 

Total Defects for section



DRB Grade for Section



Site: 99 OXFORD ROAD, MANCHESTER

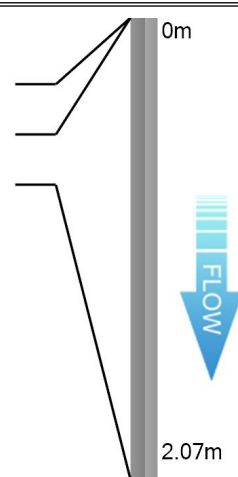
Section 27

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:		
	99 OXFORD ROAD	MANCHESTER		LEE MORTON	30/09/2021		
Start Node Ref:	FW 2	Finish Node Ref:	MAIN CARRIER	Direction:	D	Height/Dia:	100
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	C	Shape:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	PVC	Cleaned	Y

Node Type	Cover Condition	Benching Condition	1/2 Channel Condition	Node Condition Remarks
MH				

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	General Remarks
A				D	N	2.07	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 5%		26_1	0:00:00	
02.07m	BRF	Finish node type, major connection without		26_9		



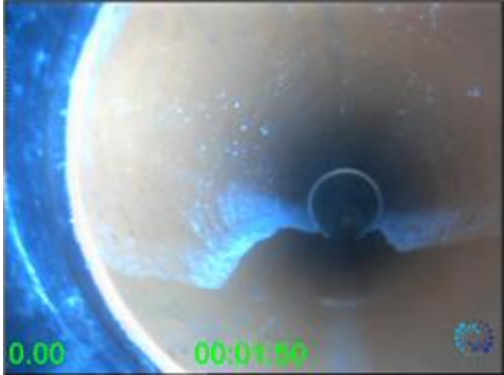
Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 27

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole FW 2	
00.00m	0:00:00	WL	Water level: 5% Height/Diameter	Image Provided - Ref: 26_1 
02.07m		BRF	Finish node type, major connection without manhole MAIN CARRIER	Image Provided - Ref: 26_9999 

Total Defects for section



DRB Grade for Section



Site: 99 OXFORD ROAD, MANCHESTER

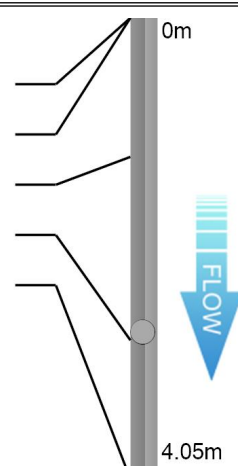
Section 28

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:		
	99 OXFORD ROAD	MANCHESTER		LEE MORTON	30/09/2021		
Start Node Ref:	POP UP 8	Finish Node Ref:	MAIN CARRIER	Direction:	D	Height/Dia:	100
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	C	Shape:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	PVC	Cleaned	Y

Node Type	Cover Condition	Benching Condition	1/2 Channel Condition	Node Condition Remarks
RE				

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	General Remarks
A				D	N	4.05	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	RE	Start node type, rodding eye				
00.00m	WL	Water level 5%		27_1	0:00:00	
01.22m	LDF	Line of drain/sewer deviates down [full]		27_2	0:00:28	
02.83m	JN	Junction 12 : 100mm Diameter		27_3	0:01:07	
04.05m	BRF	Finish node type, major connection without		27_9		



Total Defects for section

DRB Grade for Section

0 0 0 0 0



Descriptive Report with Remarks and Observation Images

Section 28

Pos	Video Ref	Code	Description	Image
00.00m		RE	Start node type, rodding eye POP UP 8	
00.00m	0:00:00	WL	Water level: 5% Height/Diameter	Image Provided - Ref: 27_1 
01.22m	0:00:28	LDF	Line of drain/sewer deviates down [full]	Image Provided - Ref: 27_2 
02.83m	0:01:07	JN	Junction at 12 o'clock: 100mm Diameter	Image Provided - Ref: 27_3 

Total Defects for section



DRB Grade for Section



Pos	Video Ref	Code	Description	Image
04.05m		BRF	Finish node type, major connection without manhole MAIN CARRIER	Image Provided - Ref: 27_9999 

Total Defects for section



DRB Grade for Section

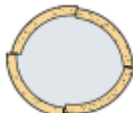


A guide to defects and other observations in drainage systems

More detailed information can be found in the National Standard (BS EN 13508-1:2003) and in the Manual of Sewer Condition Classification (MSCC) 5th Edition, written by the Water Research Centre (WRc).

Use	
Code	Description
C	Combined
F	Foul
S	Surface Water
T	Trade Effluent
W	Culverted Watercourse
Z	Other
Common Materials	
Code	Description
VC	Vitrified Clay
PVC	Polyvinyl Chloride
CO	Concrete
CI	Cast Iron
PF	Pitch Fibre
PE	Polyethylene
DI	Ductile Iron

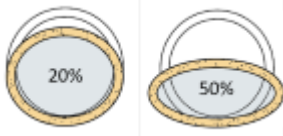
Start Node	Description	Finish Node
MH	Manhole	MHF
IC	Inspection Chamber	ICF
GY	Gulley	GYF
RE	Rodding Eye	REF
SK	Soakaway	SKF
BN	Buchan Trap	BNF
BR	Major Connection without Ref	BRF
CP	Catch Pit	CPF
OC	Other Special Chamber	OCF
OF	Outfall	OFF
OS	Oil Separator	OSF
WR	Major Connection without mh	WRF
LH	Lamphole	LHF

Code	Observation	Description	Attributes	
B	Broken	Pieces pipe have visibly moved	Defined by clock references. Associated with deformity in rigid pipe	
CC CL CM CR	Cracks	Cracks are break lines that are not visibly open	Defined by clock reference position/s. Longitudinal and radiating cracks attract only one clock reference	
CN	Connection	Lateral pipe has been connected after original construction	Described by clock reference position and diameter	

Total Defects for section

DRB Grade for Section



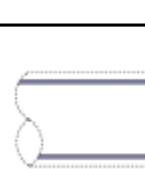
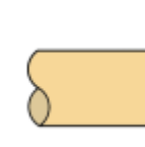
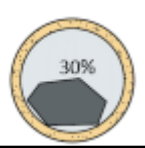
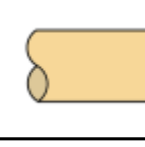
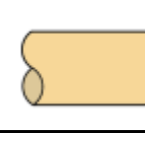
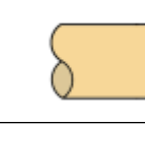
CX(I)	Defective Connection (Intruding)	Defective by intrusion or damage due to factors including: cracks, fractures, obstruction, position etc	Described by clock reference position and diameter (+ % intrusion)	
CU	Loss of Vision	Lens of camera is obscured by debris, water etc. Operator is unable to see drain clearly	'W' can be added if loss of vision is due to water	
D	Deformed	Pipe has lost its structure	Described by percentage loss of height or width. Recorded in 5% increments	
DEE	Deposits Encrustation	Eg. Attached scale deposits evident	Described by clock referenced position and percentage loss of cross-sectional area (5% increments)	
DEG	Deposits Grease	Attached grease deposits evident	Described by clock referenced position and percentage loss of cross-sectional area (5% increments)	
DER DES	Deposits Coarse/Fine	Settled deposits on the invert of the pipe.	Described by percentage loss of height or diameter. Recorded in 5% increments.	
FC FL FM FR	Fractures	Fractures are visibly open. Pieces of pipe have not moved	Defined by clock reference position/s. Longitudinal and radiating fractures attract only one clock reference	
H	Holes	Section of pipe fabric is missing	Defined by clock reference location. Normally two clock references	
I	Infiltration	Water is infiltrating the pipe, normally via a joint but could be via another defect	Can be described in Remarks using terms such as Seeper, Dripper and Runner	
JDL	Joint Displaced Large	Pipe has moved at joint, perpendicular to axis of pipe	More than 1.5 times the pipe wall thickness must be visible	

Total Defects for section

DRB Grade for Section

0 0 0 0 0



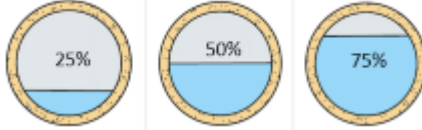
JDM	Joint Displaced Medium	Pipe has moved at joint, perpendicular to axis of pipe	Between 1 and 1.5 times the pipe wall thickness must be visible	
JN	Junction	Lateral pipe was installed at construction	Described by clock reference position and diameter	
JX	Defective Junction	Lateral pipe was installed at construction but is defective in some way	Joint can be defective due to factors including: cracks, fractures, obstruction, position etc	
LD LU LL LR	Line Deviation	LD = Line Down, LU = Line Up, LL = Line Left, LR = Line Right. Not related to CIPP lining.	Additional modifiers are added: Q = Quarter (22.5), H = Half (45), F = Full (90). In degrees.	
LC	Lining Changes	If the drain is lined, the lining material has changed	Position of lining material change	
MC	Material Change	The pipe material has changed	Position of change is noted. Type of material change can be defined	
OB	Obstruction/Obstacle	An obstruction or obstacle is affecting the flow through the pipe	Described in percentage loss of cross-sectional area	
OJL	Open Joint Large	Pipe has moved at joint, along the axis of pipe	More than 1.5 times the pipe wall thickness must be visible	
OJM	Open Joint Medium	Pipe has moved at joint, along the axis of pipe	Between 1 and 1.5 times the pipe wall thickness must be visible	
PC	Pipe Length Changes	Length of individual pipe changes	New length described at this position	

Total Defects for section

DRB Grade for Section

0 0 0 0 0



R	Roots	Evidence of root ingress	Roots will normally infiltrate via bad joints, cracks, fractures, breaks etc	
REM	Remark	General remark	Used for additional information	
S	Surface Damage	This might include corrosion, spalling and chemical attack	Position only. Additional information can be added in Remarks	
SA	Survey Abandoned	Used when a survey cannot continue for any reason	The reason for abandoning a survey should be noted in the remarks area	
SC	Shape Changes	Dimension of drain changes	Diameter dimension change recorded. Second dimension is recorded for no circular pipe changes	
SR	Sealing Ring	Sealing ring intrudes into pipe at joint	Described by clock reference position	
V	Vermin	Evidence of Vermin in pipe	Can also be used for evidence within manhole etc	
WL	Water Level	Used to record changes in water level. Always shown at the beginning of every survey, if dry noted as 00.	Described by percentage of height or diameter. Recorded in 5% increments	
XP	Collapsed	Drain is suffering from complete loss of structural integrity. Always followed by SA - Survey Abandoned	Percentage loss of cross-sectional area is recorded. Other related structural defects are not recorded	