

Drainage Report



Prepared For

Site

MMUIOS
99 OXFORD ROAD
MANCHESTER
MANCHESTER



AQUASPEED DRAIN SERVICES
Surveyor: RYAN HITCHCOCK
INFO@AQUASPEED.CO.UK
01942 886722

Total Defects for Project

Total DRB Grades for Project



MMUIOS 99 OXFORD ROAD MANCHESTER - CCTV Survey Report : 01/10/21

Name : AQUASPEED DRAIN SERVICES
Contact :
Location : 171 SMALLBROOK LANE
Town : LEIGH
Region : LANCASHIRE
Postcode : WN7 5PZ
Email : INFO@AQUASPEED.CO.UK
Contact Number : 01942 886722
Surveyor : RYAN HITCHCOCK
Valid Certification No :

Client Information

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

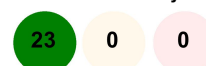
Site Information

Name : MMUIOS
Contact : ERIC WRIGHT
Location : 99 OXFORD ROAD
Town : MANCHESTER
Region : MANCHESTER
Postcode :
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.

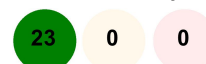
The severity system is based on significant experience in general practice and the 1 -5 grades represent the severity of individual defects: 5 representing a more serious defect.

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: CW05 To: U/S	Grade A	DRB Grade: A Pipe Size: 150 Material: Polyvinyl Chloride Use: Combined
Section: 2 From: CW05 To: U/S1	Grade A	DRB Grade: A Pipe Size: 150 Material: Polyvinyl Chloride Use: Combined
Section: 3 From: CW05 To: EXMH238	Grade A	DRB Grade: A Pipe Size: 150 Material: Polyvinyl Chloride Use: Combined
Section: 4 From: GY To: U/S1	Grade A	DRB Grade: A Pipe Size: 100 Material: Polyvinyl Chloride Use: Surface Water
Section: 5 From: FW2 To: MAIN	Grade A	DRB Grade: A Pipe Size: 100 Material: Polyvinyl Chloride Use: Foul
Section: 6 From: OUA To: MAIN	Grade A	DRB Grade: A Pipe Size: 100 Material: Polyvinyl Chloride Use: Surface Water
Section: 7 From: OUB To: D/S	Grade A	DRB Grade: A Pipe Size: 100 Material: Polyvinyl Chloride Use: Surface Water
Section: 8 From: EXMH238 To: EXMH237	Grade A	DRB Grade: A Pipe Size: 150 Material: Polyvinyl Chloride Use: Combined

Section: 9 From: EXMH236 To: EXMH237	Grade A	DRB Grade: A Pipe Size: 150 Material: Polyvinyl Chloride Use: Combined
Section: 10 From: RWP To: EXMH236	Grade A	DRB Grade: A Pipe Size: 150 Material: Polyvinyl Chloride Use: Surface Water
Section: 11 From: SVPA To: EXMH237	Grade A	DRB Grade: A Pipe Size: 150 Material: Polyvinyl Chloride Use: Foul
Section: 12 From: FW3 To: SVP	Grade A	DRB Grade: A Pipe Size: 150 Material: Polyvinyl Chloride Use: Foul
Section: 13 From: FW3 To: MAIN	Grade A	DRB Grade: A Pipe Size: 150 Material: Polyvinyl Chloride Use: Foul
Section: 14 From: EXMH235 To: EXMH236	Grade A	DRB Grade: A Pipe Size: 150 Material: Vitrified Clay (i.e. all clayware) Use: Combined
Section: 15 From: EXMH235 To: DU5	Grade A	DRB Grade: A Pipe Size: 100 Material: Polyvinyl Chloride Use: Surface Water
Section: 16 From: FW4 To: SS	Grade A	DRB Grade: A Pipe Size: 100 Material: Polyvinyl Chloride Use: Foul
Section: 17 From: FW4 To: MAIN	Grade A	DRB Grade: A Pipe Size: 100 Material: Polyvinyl Chloride Use: Foul

Total Defects for Project

Total DRB Grades for Project



Section: 18 From: FG To: FW4	Grade A	DRB Grade: A Pipe Size: 100 Material: Polyvinyl Chloride Use: Foul
Section: 19 From: EXMH234 To: EXMH235	Grade A	DRB Grade: A Pipe Size: 150 Material: Vitrified Clay (i.e. all clayware) Use: Combined
Section: 20 From: EXMH234 To: SLOT DRAIN	Grade A	DRB Grade: A Pipe Size: 150 Material: Vitrified Clay (i.e. all clayware) Use: Surface Water
Section: 21 From: SW01 To: SLOT DRAIN	Grade A	DRB Grade: A Pipe Size: 100 Material: Polyvinyl Chloride Use: Surface Water
Section: 22 From: EXMH234 To: SW1	Grade A	DRB Grade: A Pipe Size: 150 Material: Polyvinyl Chloride Use: Surface Water
Section: 23 From: EXMH234 To: DOWNSTREAM	Grade A	DRB Grade: A Pipe Size: 225 Material: Vitrified Clay (i.e. all clayware) Use: Combined

Total Defects for Project



Total DRB Grades for Project



Site: 99 OXFORD ROAD, MANCHESTER

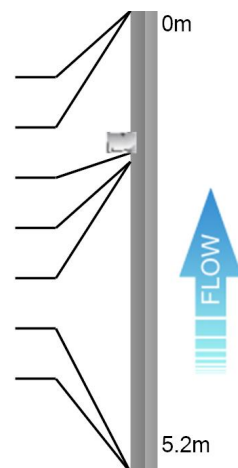
Section 1

Client:	Location (Street Name): 99 OXFORD ROAD	City/Town/Village MANCHESTER	Cust Job Ref.	Surveyors Name: RYAN HITCHCOCK	Date: 01/10/2021
Start Node Ref:	CW05	Finish Node Ref:	U/S	Direction:	U
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	PVC
				Cleaned	N

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			ZZZ	D	N	5.2	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 0%			0:00:00	
01.60m	JN	Junction 03 : 150mm Diameter		0_2	0:00:40	
01.70m	SC	Dimension of drain/sewer changes : 100mm		0_3	0:00:49	
01.70m	LRH	Line of drain/sewer deviates right [half]		0_4	0:00:49	
05.20m	LUF	Line of drain/sewer deviates up [full]		0_5	0:01:14	
05.20m	OCF	Finish node type, other special chamber		0_99		



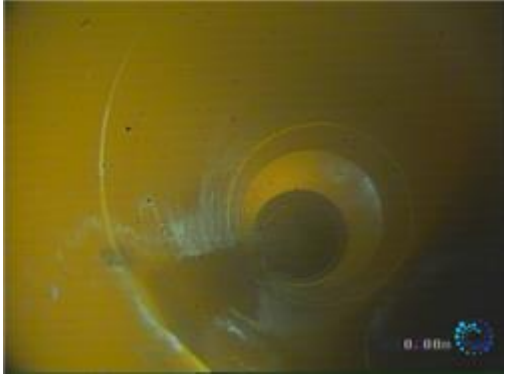
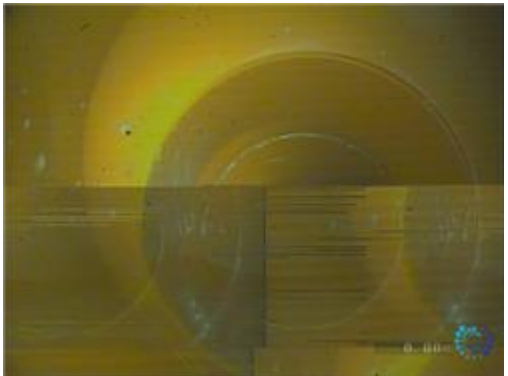
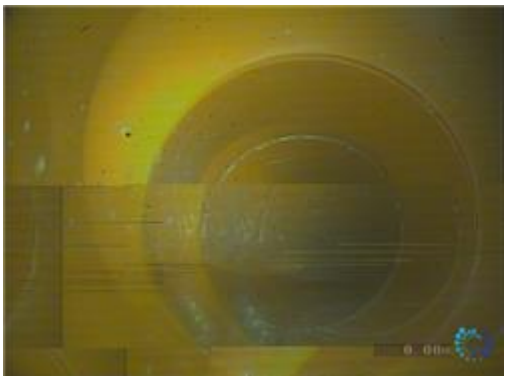
Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 1

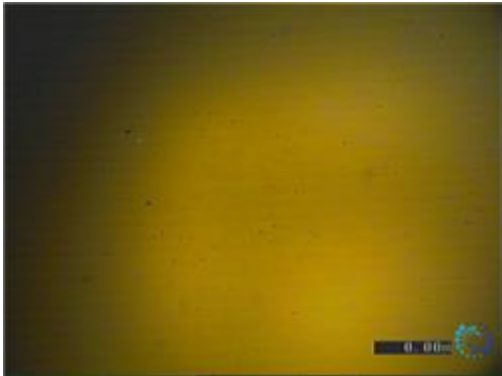
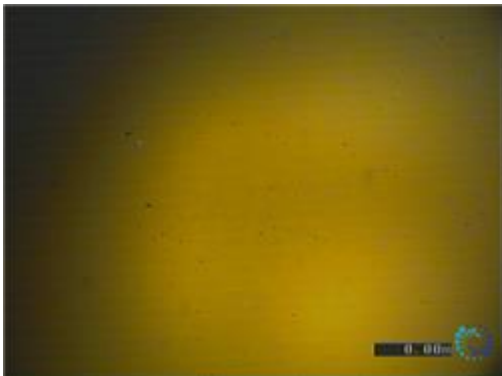
Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole CW05	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
01.60m	0:00:40	JN	Junction at 03 o'clock: 150mm Diameter	Image Provided - Ref: 0_2 
01.70m	0:00:49	SC	Dimension of drain/sewer changes: 100mm Diameter	Image Provided - Ref: 0_3 
01.70m	0:00:49	LRH	Line of drain/sewer deviates right [half]	Image Provided - Ref: 0_4 

Total Defects for section



DRB Grade for Section



Pos	Video Ref	Code	Description	Image
05.20m	0:01:14	LUF	Line of drain/sewer deviates up [full]	Image Provided - Ref: 0_5 
05.20m		OCF	Finish node type, other special chamber U/S	Image Provided - Ref: 0_9999 

Total Defects for section

DRB Grade for Section



Site: 99 OXFORD ROAD, MANCHESTER

Section 2

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
	99 OXFORD ROAD	MANCHESTER		RYAN HITCHCOCK	01/10/2021
Start Node Ref:	CW05	Finish Node Ref:	U/S1	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 N

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			ZZZ	D	N	7	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 0%			0:00:00	
00.40m	SC	Dimension of drain/sewer changes : 100mm		1_2	0:00:26	
07.00m	GYF	Finish node type Gully		1_99		

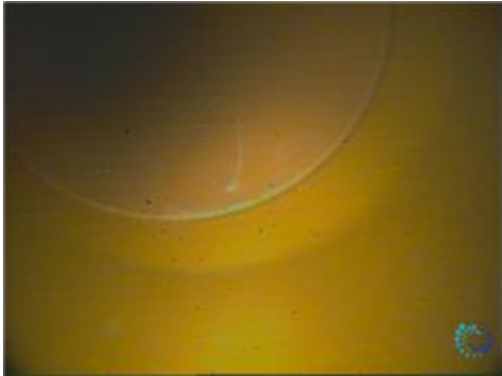
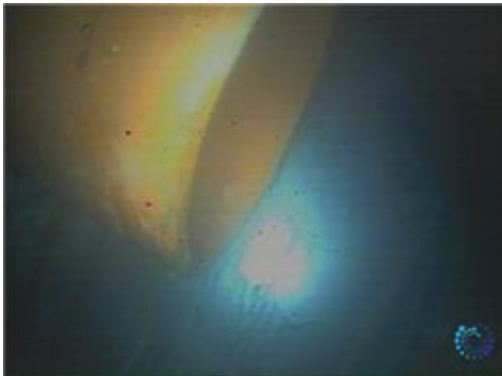
Total Defects for section

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 CW05	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
00.40m	0:00:26	SC	Dimension of drain/sewer changes: 100mm Diameter	Image Provided - Ref: 1_2 
07.00m		GYF	Finish node type Gully U/S1	Image Provided - Ref: 1_9999 

Total Defects for section

DRB Grade for Section



Site: 99 OXFORD ROAD, MANCHESTER

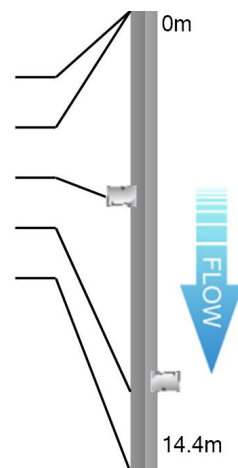
Section 3

Client:	Location (Street Name): 99 OXFORD ROAD	City/Town/Village MANCHESTER	Cust Job Ref.	Surveyors Name: RYAN HITCHCOCK	Date: 01/10/2021
Start Node Ref:	CW05	Finish Node Ref:	EXMH238	Direction:	D
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	PVC
				Cleaned	N

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			ZZZ	D	N	14.4	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 0%			0:00:00	
06.10m	JN	Junction 03 : 100mm Diameter		2_2	0:00:34	
11.89m	JN	Junction 09 : 100mm Diameter		2_3	0:00:48	
14.40m	MHF	Finish node type, manhole		2_99		



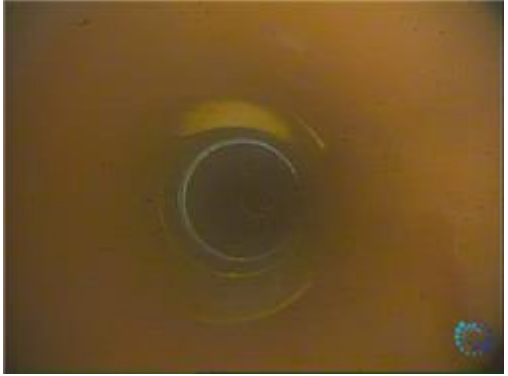
Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 3

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole CW05	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
06.10m	0:00:34	JN	Junction at 03 o'clock: 100mm Diameter	Image Provided - Ref: 2_2 
11.89m	0:00:48	JN	Junction at 09 o'clock: 100mm Diameter	Image Provided - Ref: 2_3 
14.40m		MHF	Finish node type, manhole EXMH238	Image Provided - Ref: 2_9999 

Total Defects for section



DRB Grade for Section



Site: 99 OXFORD ROAD, MANCHESTER

Section 4

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:		
	99 OXFORD ROAD	MANCHESTER		RYAN HITCHCOCK	01/10/2021		
Start Node Ref:	GY	Finish Node Ref:	U/S1	Direction:	D	Height/Dia:	100
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	S	Shape:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	PVC	Cleaned	N

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			ZZZ	D	N	4.8	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 0%			0:00:00	
04.80m	OCF	Finish node type, other special chamber		3_99		

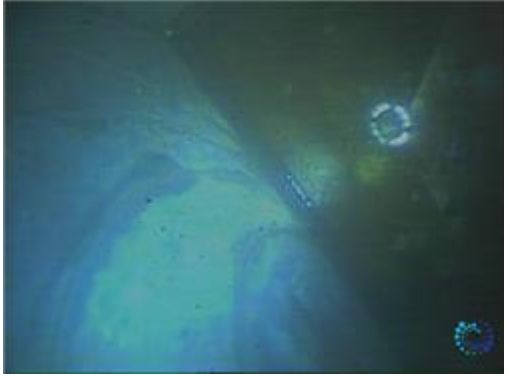
Total Defects for section

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 GY	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
04.80m		OCF	Finish node type, other special chamber U/S1	Image Provided - Ref: 3_9999 

Total Defects for section



DRB Grade for Section



Site: 99 OXFORD ROAD, MANCHESTER

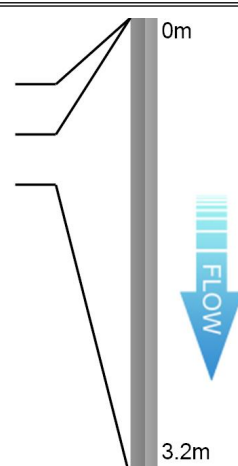
Section 5

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:		
	99 OXFORD ROAD	MANCHESTER		RYAN HITCHCOCK	01/10/2021		
Start Node Ref:	FW2	Finish Node Ref:	MAIN	Direction:	D	Height/Dia:	100
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	F	Shape:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	PVC	Cleaned	N

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			ZZZ	D	N	3.2	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 0%			0:00:00	
03.20m	BRF	Finish node type, major connection without		4_99		



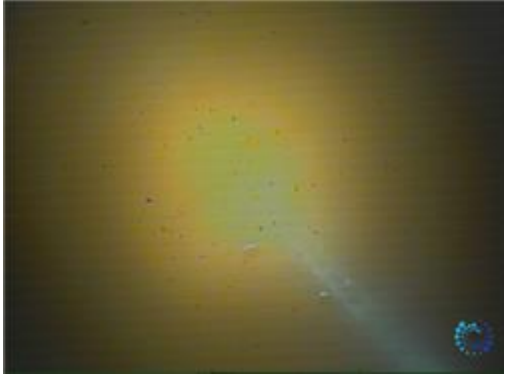
Total Defects for section

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 FW2	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
03.20m		BRF	Finish node type, major connection without manhole MAIN	Image Provided - Ref: 4_9999 

Total Defects for section

DRB Grade for Section

0 0 0 0 0



Site: 99 OXFORD ROAD, MANCHESTER

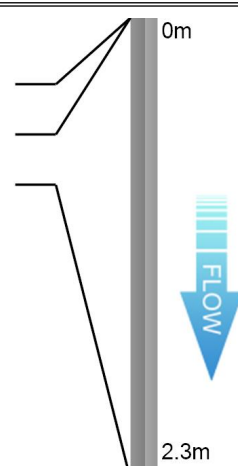
Section 6

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:		
	99 OXFORD ROAD	MANCHESTER		RYAN HITCHCOCK	01/10/2021		
Start Node Ref:	OUA	Finish Node Ref:	MAIN	Direction:	D	Height/Dia:	100
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	S	Shape:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	PVC	Cleaned	N

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			ZZZ	D	N	2.3	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 0%			0:00:00	
02.30m	BRF	Finish node type, major connection without		5_99		



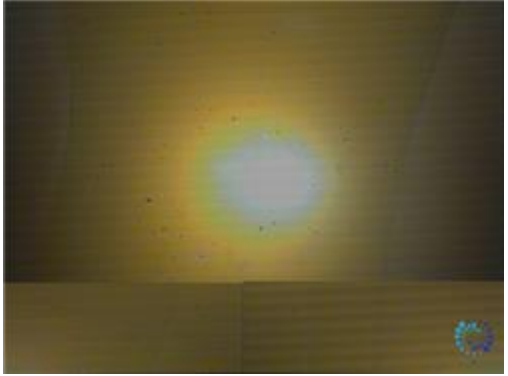
Total Defects for section

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 OUA	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
02.30m		BRF	Finish node type, major connection without manhole MAIN	Image Provided - Ref: 5_9999 

Total Defects for section



DRB Grade for Section



Site: 99 OXFORD ROAD, MANCHESTER

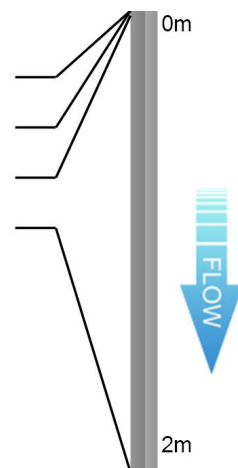
Section 7

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
	99 OXFORD ROAD	MANCHESTER		RYAN HITCHCOCK	01/10/2021
Start Node Ref:	OUB	Finish Node Ref:	D/S	Direction:	D
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	S
Start Node Coordinate:		Finish Node Coordinate:		Material:	PVC
				Cleaned	N

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			ZZZ	D	N	2	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 0%			0:00:00	
00.02m	LRQ	Line of drain/sewer deviates right [quarter]		6_2	0:00:05	
02.00m	BRF	Finish node type, major connection without		6_99		



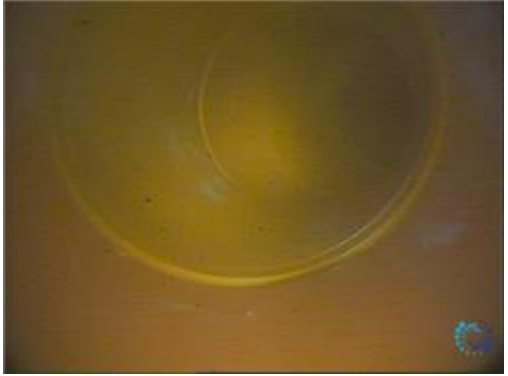
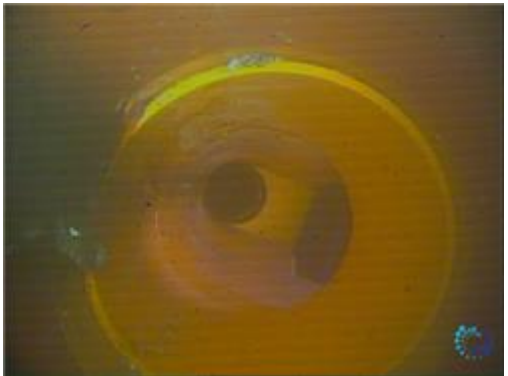
Total Defects for section

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 OUB	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
00.02m	0:00:05	LRQ	Line of drain/sewer deviates right [quarter]	Image Provided - Ref: 6_2 
02.00m		BRF	Finish node type, major connection without manhole D/S	Image Provided - Ref: 6_9999 

Total Defects for section



DRB Grade for Section



Site: 99 OXFORD ROAD, MANCHESTER

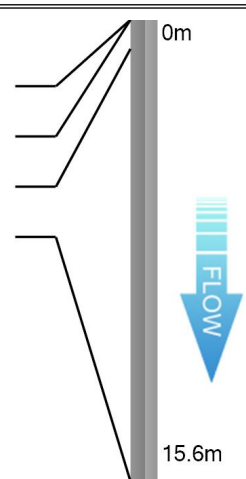
Section 8

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:		
	99 OXFORD ROAD	MANCHESTER		RYAN HITCHCOCK	01/10/2021		
Start Node Ref:	EXMH238	Finish Node Ref:	EXMH237	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:	PVC	Cleaned	N

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			ZZZ	D	N	15.6	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 0%			0:00:00	
00.98m	LRQ	Line of drain/sewer deviates right [quarter]		7_2	0:00:10	
15.60m	MHF	Finish node type, manhole		7_99		



Total Defects for section

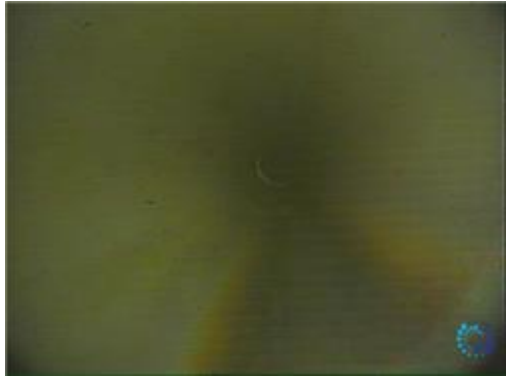
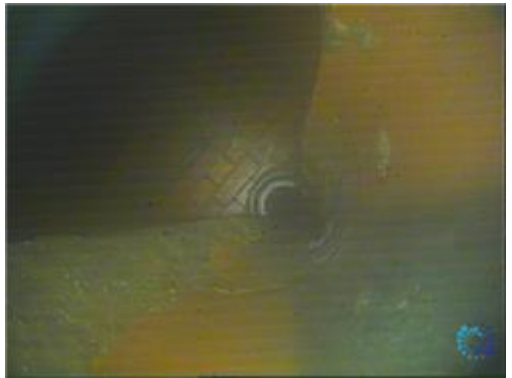
DRB Grade for Section

0 0 0 0 0



Descriptive Report with Remarks and Observation Images

Section 8

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole EXMH238	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
00.98m	0:00:10	LRQ	Line of drain/sewer deviates right [quarter]	Image Provided - Ref: 7_2 
15.60m		MHF	Finish node type, manhole EXMH237	Image Provided - Ref: 7_9999 

Total Defects for section

DRB Grade for Section



Site: 99 OXFORD ROAD, MANCHESTER

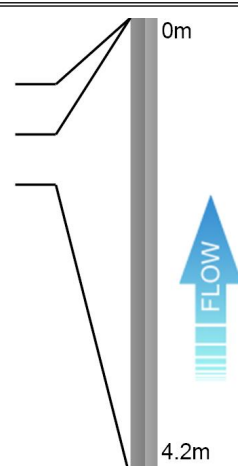
Section 9

Client:	Location (Street Name): 99 OXFORD ROAD	City/Town/Village MANCHESTER	Cust Job Ref.	Surveyors Name: RYAN HITCHCOCK	Date: 01/10/2021
Start Node Ref:	EXMH236	Finish Node Ref:	EXMH237	Direction:	U
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	PVC
				Cleaned	N

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			ZZZ	D	N	4.2	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	Water level 0%			0:00:00
04.20m	MHF	Finish node type, manhole			



Total Defects for section

DRB Grade for Section

0 0 0 0 0



Descriptive Report with Remarks and Observation Images

Section 9

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole EXMH236	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
04.20m		MHF	Finish node type, manhole EXMH237	

Total Defects for section



DRB Grade for Section



Site: 99 OXFORD ROAD, MANCHESTER

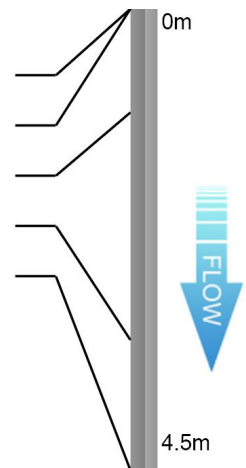
Section 10

Client:	Location (Street Name): 99 OXFORD ROAD	City/Town/Village MANCHESTER	Cust Job Ref.	Surveyors Name: RYAN HITCHCOCK	Date: 01/10/2021
Start Node Ref:	RWP	Finish Node Ref:	EXMH236	Direction:	D
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	S
Start Node Coordinate:		Finish Node Coordinate:		Material:	PVC
				Cleaned	N

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			ZZZ	D	N	4.5	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 0%			0:00:00	
01.01m	LLQ	Line of drain/sewer deviates left [quarter]		9_2	0:00:20	
03.23m	LLF	Line of drain/sewer deviates left [full]		9_3	0:00:50	
04.50m	MHF	Finish node type, manhole		9_99		



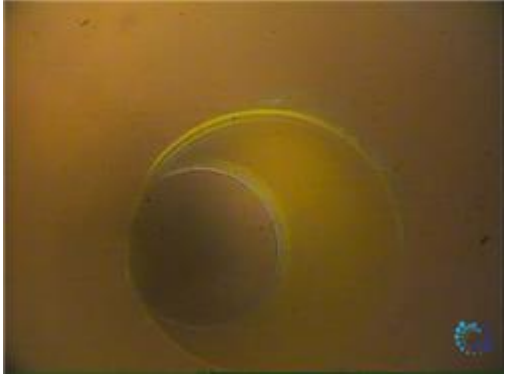
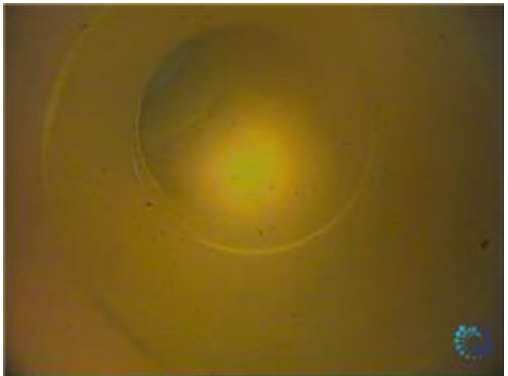
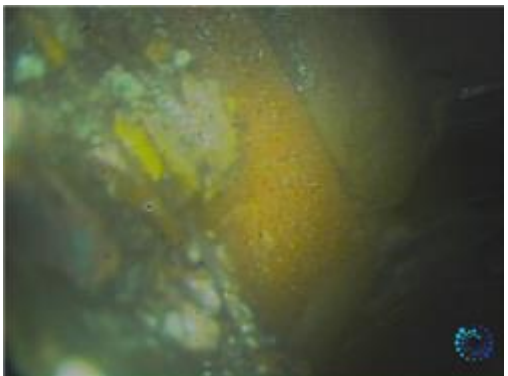
Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 10

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole RWP	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
01.01m	0:00:20	LLQ	Line of drain/sewer deviates left [quarter]	Image Provided - Ref: 9_2 
03.23m	0:00:50	LLF	Line of drain/sewer deviates left [full]	Image Provided - Ref: 9_3 
04.50m		MHF	Finish node type, manhole EXMH236	Image Provided - Ref: 9_9999 

Total Defects for section



DRB Grade for Section



Site: 99 OXFORD ROAD, MANCHESTER

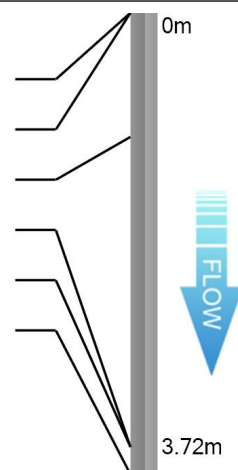
Section 11

Client:	Location (Street Name): 99 OXFORD ROAD	City/Town/Village MANCHESTER	Cust Job Ref.	Surveyors Name: RYAN HITCHCOCK	Date: 01/10/2021
Start Node Ref:	SVPA	Finish Node Ref:	EXMH237	Direction: D	Height/Dia: 150
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use: F	Shape: C
Start Node Coordinate:		Finish Node Coordinate:		Material: PVC	Cleaned N

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

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	General Remarks
A			ZZZ	D	N	3.72	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	OC	Start node type, other special chamber				
00.00m	WL	Water level 0%			0:00:00	
01.00m	MC	Material of drain/sewer changes		10_2	0:00:37	
03.50m	LRQ	Line of drain/sewer deviates right [quarter]		10_3	0:00:49	
03.50m	MC	Material of drain/sewer changes		10_4	0:00:49	
03.72m	MHF	Finish node type, manhole		10_9		



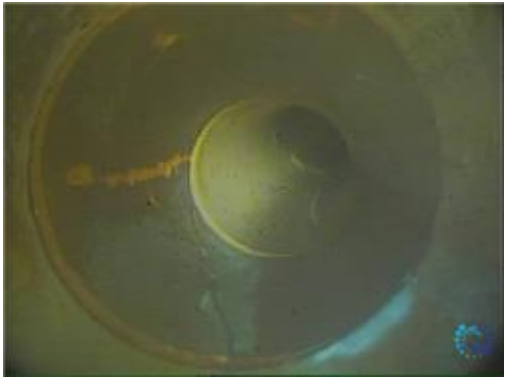
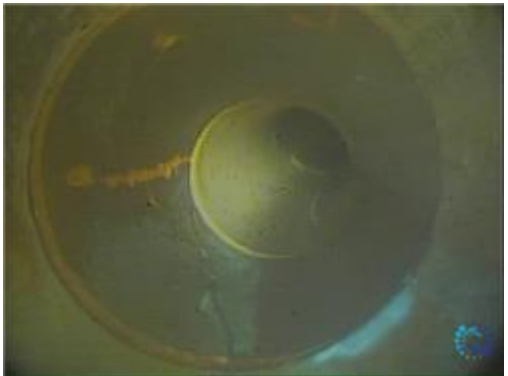
Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 11

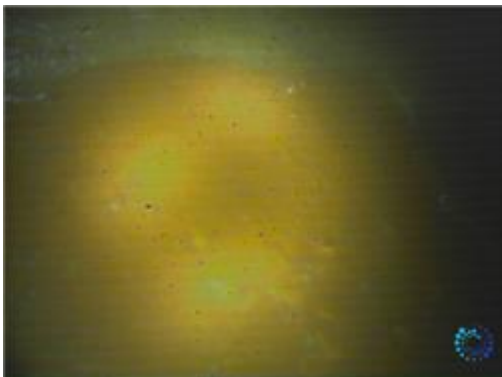
Pos	Video Ref	Code	Description	Image
00.00m		OC	Start node type, other special chamber SVPA	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
01.00m	0:00:37	MCCI	Material of pipe changes to Cast Iron	Image Provided - Ref: 10_2 
03.50m	0:00:49	LRQ	Line of drain/sewer deviates right [quarter]	Image Provided - Ref: 10_3 
03.50m	0:00:49	MCVC	Material of pipe changes to Vitrified Clay (i.e. all clayware)	Image Provided - Ref: 10_4 

Total Defects for section



DRB Grade for Section



Pos	Video Ref	Code	Description	Image
03.72m		MHF	Finish node type, manhole EXMH237	Image Provided - Ref: 10_9999 

Total Defects for section



DRB Grade for Section



Site: 99 OXFORD ROAD, MANCHESTER

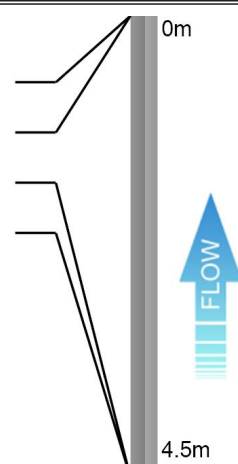
Section 12

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
	99 OXFORD ROAD	MANCHESTER		RYAN HITCHCOCK	01/10/2021
Start Node Ref:	FW3	Finish Node Ref:	SVP	Direction: U	Height/Dia: 150
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use: F	Shape: C
Start Node Coordinate:		Finish Node Coordinate:		Material: PVC	Cleaned N

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			ZZZ	D	N	4.5	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 0%			0:00:00	
04.50m	LUF	Line of drain/sewer deviates up [full]		11_2	0:01:09	
04.50m	OCF	Finish node type, other special chamber		11_9		



Total Defects for section

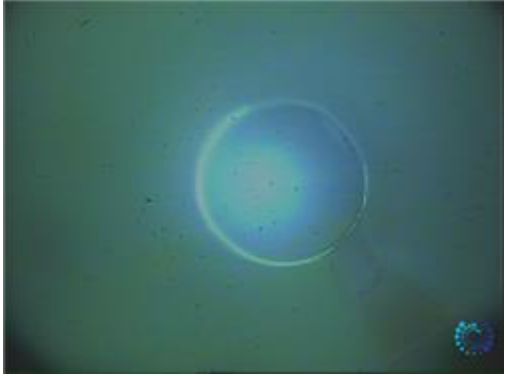
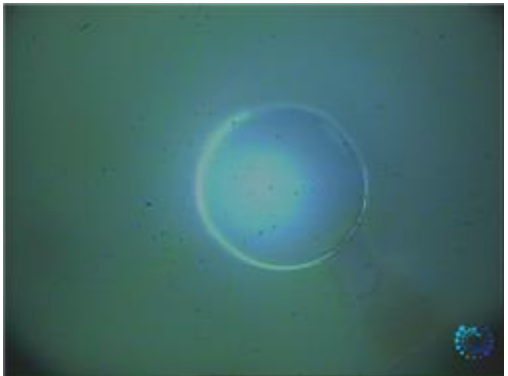
DRB Grade for Section

0 0 0 0 0



Descriptive Report with Remarks and Observation Images

Section 12

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole FW3	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
04.50m	0:01:09	LUF	Line of drain/sewer deviates up [full]	Image Provided - Ref: 11_2 
04.50m		OCF	Finish node type, other special chamber SVP	Image Provided - Ref: 11_9999 

Total Defects for section



DRB Grade for Section



Site: 99 OXFORD ROAD, MANCHESTER

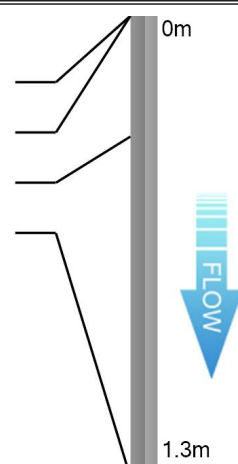
Section 13

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
	99 OXFORD ROAD	MANCHESTER		RYAN HITCHCOCK	01/10/2021
Start Node Ref:	FW3	Finish Node Ref:	MAIN	Direction: D	Height/Dia: 150
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use: F	Shape: C
Start Node Coordinate:		Finish Node Coordinate:		Material: PVC	Cleaned N

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			ZZZ	D	N	1.3	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 0%			0:00:00	
00.34m	LDF	Line of drain/sewer deviates down [full]		12_2	0:00:05	
01.30m	BRF	Finish node type, major connection without		12_9		



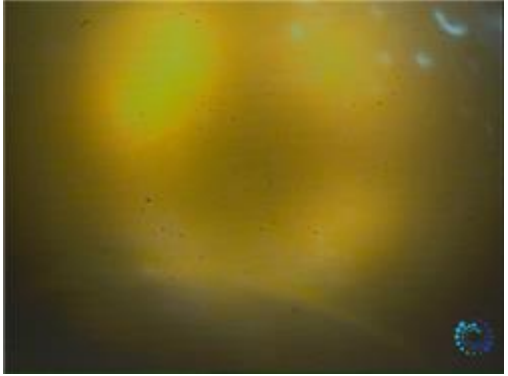
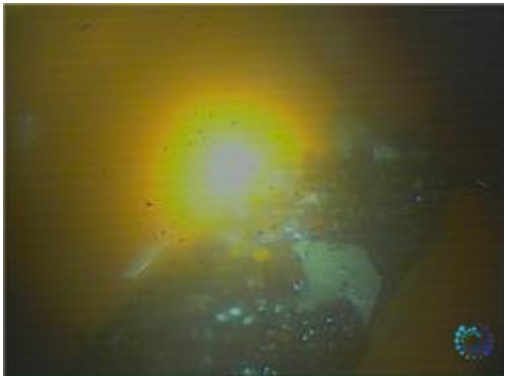
Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 13

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole FW3	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
00.34m	0:00:05	LDF	Line of drain/sewer deviates down [full]	Image Provided - Ref: 12_2 
01.30m		BRF	Finish node type, major connection without manhole MAIN	Image Provided - Ref: 12_9999 

Total Defects for section



DRB Grade for Section



Site: 99 OXFORD ROAD, MANCHESTER

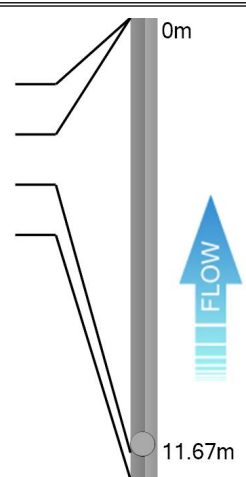
Section 14

Client:	Location (Street Name): 99 OXFORD ROAD	City/Town/Village MANCHESTER	Cust Job Ref.	Surveyors Name: RYAN HITCHCOCK	Date: 01/10/2021
Start Node Ref:	EXMH235	Finish Node Ref:	EXMH236	Direction:	U
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	VC
				Cleaned	N

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			ZZZ	D	N	11.67	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 0%			0:00:00	
11.00m	JN	Junction 12 : 100mm Diameter		13_2	0:00:50	
11.67m	MHF	Finish node type, manhole		13_9		



Total Defects for section

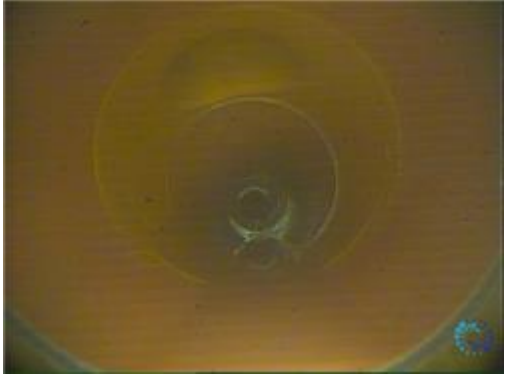
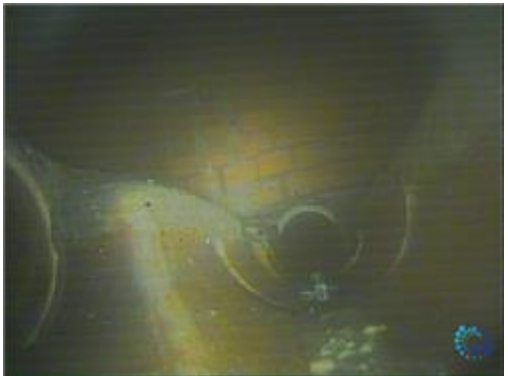
DRB Grade for Section

0 0 0 0 0



Descriptive Report with Remarks and Observation Images

Section 14

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole EXMH235	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
11.00m	0:00:50	JN	Junction at 12 o'clock: 100mm Diameter	Image Provided - Ref: 13_2 
11.67m		MHF	Finish node type, manhole EXMH236	Image Provided - Ref: 13_9999 

Total Defects for section



DRB Grade for Section



Site: 99 OXFORD ROAD, MANCHESTER

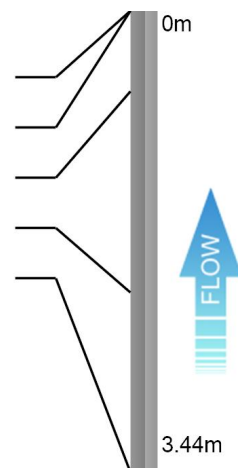
Section 15

Client:	Location (Street Name): 99 OXFORD ROAD	City/Town/Village MANCHESTER	Cust Job Ref.	Surveyors Name: RYAN HITCHCOCK	Date: 01/10/2021
Start Node Ref:	EXMH235	Finish Node Ref:	DU5	Direction:	U
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	S
Start Node Coordinate:		Finish Node Coordinate:		Material:	PVC
				Cleaned	N

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			ZZZ	D	N	3.44	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 0%			0:00:00	
00.60m	LLF	Line of drain/sewer deviates left [full]		14_2	0:00:05	
02.10m	LRQ	Line of drain/sewer deviates right [quarter]		14_3	0:00:24	
03.44m	OCF	Finish node type, other special chamber		14_9		



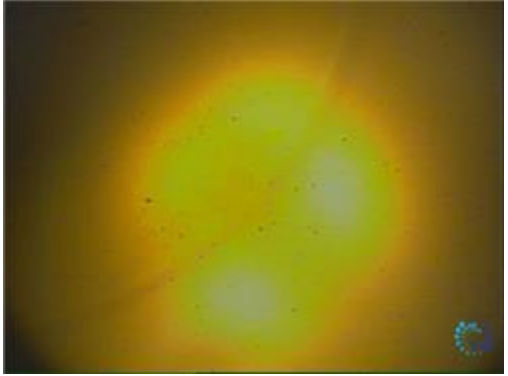
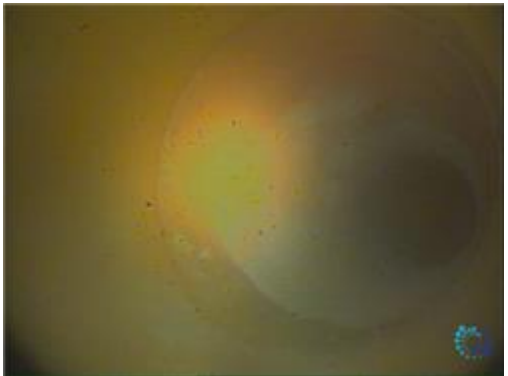
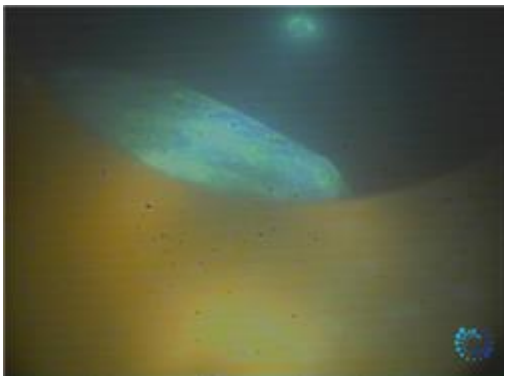
Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 15

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole EXMH235	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
00.60m	0:00:05	LLF	Line of drain/sewer deviates left [full]	Image Provided - Ref: 14_2 
02.10m	0:00:24	LRQ	Line of drain/sewer deviates right [quarter]	Image Provided - Ref: 14_3 
03.44m		OCF	Finish node type, other special chamber DU5	Image Provided - Ref: 14_9999 

Total Defects for section

DRB Grade for Section



Site: 99 OXFORD ROAD, MANCHESTER

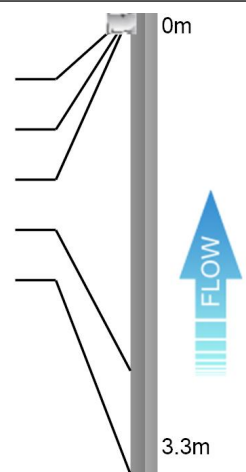
Section 16

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
	99 OXFORD ROAD	MANCHESTER		RYAN HITCHCOCK	01/10/2021
Start Node Ref:	FW4	Finish Node Ref:	SS	Direction:	U
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	F
Start Node Coordinate:		Finish Node Coordinate:		Material:	PVC
				Cleaned	N

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			ZZZ	D	N	3.3	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 0%			0:00:00	
00.00m	JN	Junction 03 : 100mm Diameter		15_2	0:00:05	
02.56m	LLQ	Line of drain/sewer deviates left [quarter]		15_3	0:00:21	
03.30m	SA	Survey abandoned		15_9		



Total Defects for section

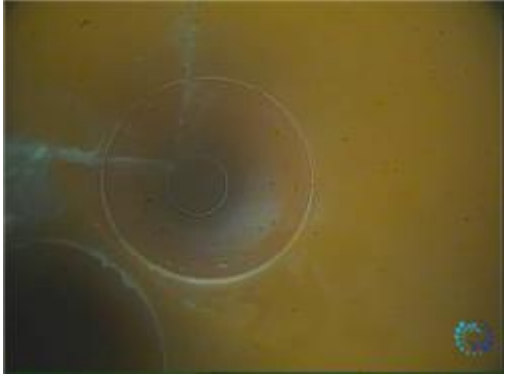
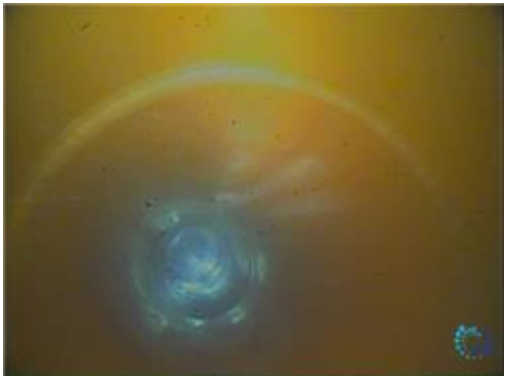
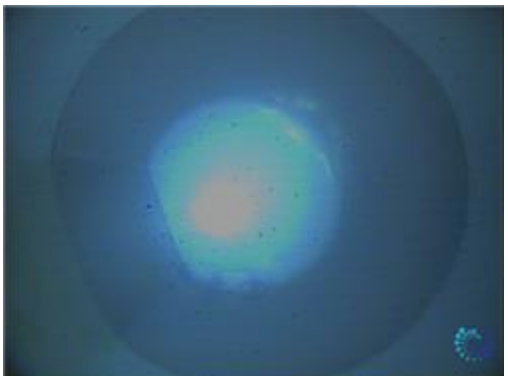
DRB Grade for Section

0 0 0 0 0



Descriptive Report with Remarks and Observation Images

Section 16

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole FW4	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
00.00m	0:00:05	JN	Junction at 03 o'clock: 100mm Diameter	Image Provided - Ref: 15_2 
02.56m	0:00:21	LLQ	Line of drain/sewer deviates left [quarter]	Image Provided - Ref: 15_3 
03.30m		SA	Survey abandoned HEAD OF LINE	Image Provided - Ref: 15_9999 

Total Defects for section



DRB Grade for Section



Site: 99 OXFORD ROAD, MANCHESTER

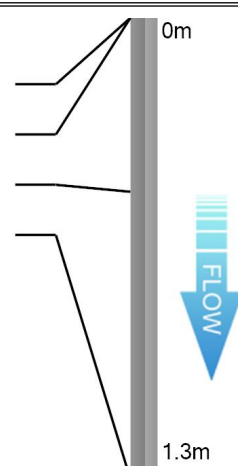
Section 17

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:		
	99 OXFORD ROAD	MANCHESTER		RYAN HITCHCOCK	01/10/2021		
Start Node Ref:	FW4	Finish Node Ref:	MAIN	Direction:	D	Height/Dia:	100
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	F	Shape:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	PVC	Cleaned	N

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			ZZZ	D	N	1.3	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 0%			0:00:00	
00.49m	LDF	Line of drain/sewer deviates down [full]		16_2	0:00:04	
01.30m	BRF	Finish node type, major connection without		16_9		



Total Defects for section

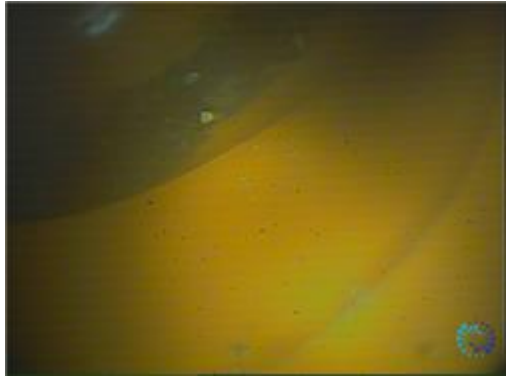
DRB Grade for Section

0 0 0 0 0



Descriptive Report with Remarks and Observation Images

Section 17

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole FW4	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
00.49m	0:00:04	LDF	Line of drain/sewer deviates down [full]	Image Provided - Ref: 16_2 
01.30m		BRF	Finish node type, major connection without manhole MAIN	Image Provided - Ref: 16_9999 

Total Defects for section

DRB Grade for Section



Site: 99 OXFORD ROAD, MANCHESTER

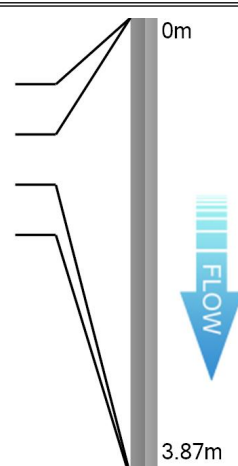
Section 18

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
	99 OXFORD ROAD	MANCHESTER		RYAN HITCHCOCK	01/10/2021
Start Node Ref:	FG	Finish Node Ref:	FW4	Direction:	D
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	F
Start Node Coordinate:		Finish Node Coordinate:		Material:	PVC
				Cleaned	N

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

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	General Remarks
A			ZZZ	D	N	3.87	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	OC	Start node type, other special chamber				
00.00m	WL	Water level 0%			0:00:00	
03.84m	REM	General remark			0:00:32	
03.87m	MHF	Finish node type, manhole		17_9		



Total Defects for section

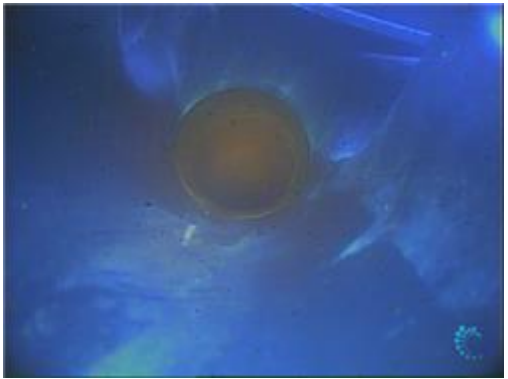
DRB Grade for Section

0 0 0 0 0



Descriptive Report with Remarks and Observation Images

Section 18

Pos	Video Ref	Code	Description	Image
00.00m		OC	Start node type, other special chamber SS	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
03.84m	0:00:32	REM	General remark CARRIER	
03.87m		MHF	Finish node type, manhole FW4	Image Provided - Ref: 17_9999 

Total Defects for section

DRB Grade for Section

0 0 0 0 0



Site: 99 OXFORD ROAD, MANCHESTER

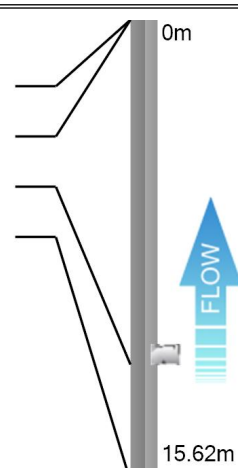
Section 19

Client:	Location (Street Name): 99 OXFORD ROAD	City/Town/Village MANCHESTER	Cust Job Ref.	Surveyors Name: RYAN HITCHCOCK	Date: 01/10/2021
Start Node Ref:	EXMH234	Finish Node Ref:	EXMH235	Direction:	U
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	VC
				Cleaned	N

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			ZZZ	D	N	15.62	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 0%			0:00:00	
11.67m	JN	Junction 11 : 150mm Diameter		18_2	0:01:15	
15.62m	MHF	Finish node type, manhole		18_9		



Total Defects for section

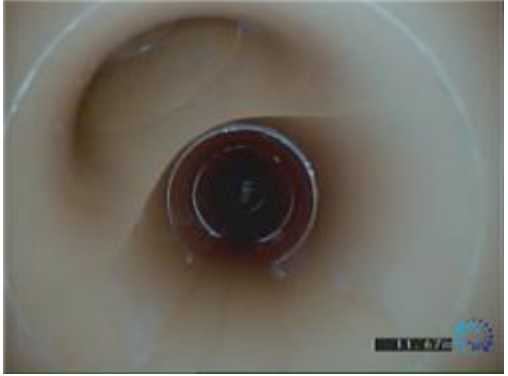
DRB Grade for Section

0 0 0 0 0



Descriptive Report with Remarks and Observation Images

Section 19

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole EXMH234	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
11.67m	0:01:15	JN	Junction at 11 o'clock: 150mm Diameter	Image Provided - Ref: 18_2 
15.62m		MHF	Finish node type, manhole EXMH235	Image Provided - Ref: 18_9999 

Total Defects for section



DRB Grade for Section



Site: 99 OXFORD ROAD, MANCHESTER

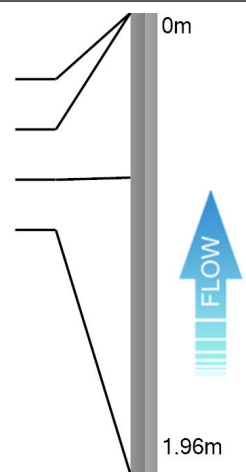
Section 20

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
	99 OXFORD ROAD	MANCHESTER		RYAN HITCHCOCK	01/10/2021
Start Node Ref:	EXMH234	Finish Node Ref:	SLOT DRAIN	Direction: U	Height/Dia: 150
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use: S	Shape: C
Start Node Coordinate:		Finish Node Coordinate:		Material: VC	Cleaned N

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			ZZZ	D	N	1.96	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 0%			0:00:00	
00.70m	LLQ	Line of drain/sewer deviates left [quarter]		19_2	0:00:13	
01.96m	OCF	Finish node type, other special chamber		19_9		



Total Defects for section

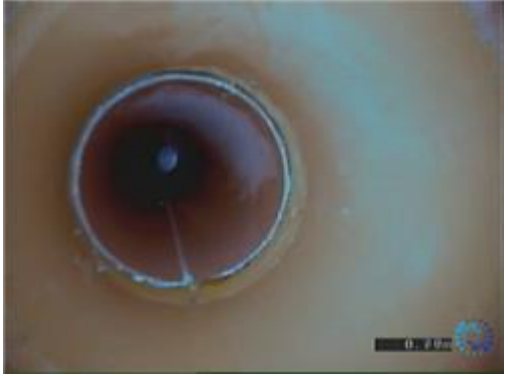
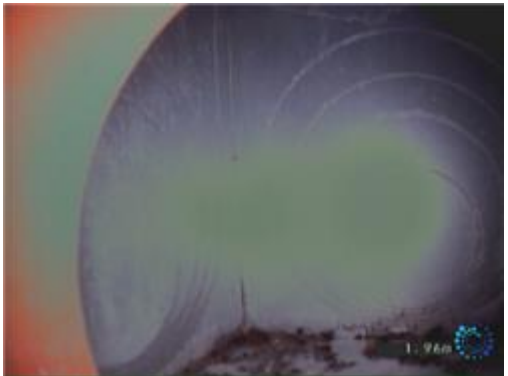
DRB Grade for Section

0 0 0 0 0



Descriptive Report with Remarks and Observation Images

Section 20

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole EXMH234	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
00.70m	0:00:13	LLQ	Line of drain/sewer deviates left [quarter]	Image Provided - Ref: 19_2 
01.96m		OCF	Finish node type, other special chamber SLOT DRAIN	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		RYAN HITCHCOCK	01/10/2021
Start Node Ref:	SW01	Finish Node Ref:	SLOT DRAIN	Direction:	U
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	S
Start Node Coordinate:		Finish Node Coordinate:		Material:	PVC
				Cleaned	N

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			ZZZ	D	N	1	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 0%			0:00:00	
00.89m	LUF	Line of drain/sewer deviates up [full]		20_2	0:00:31	
01.00m	OCF	Finish node type, other special chamber		20_9		

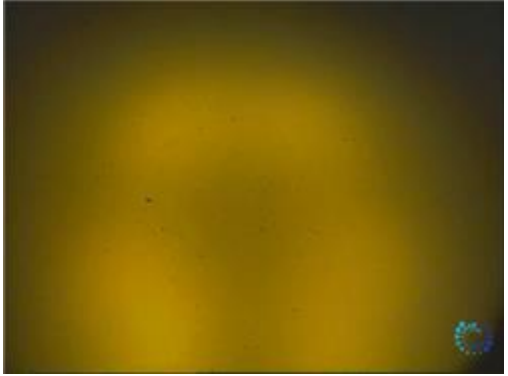
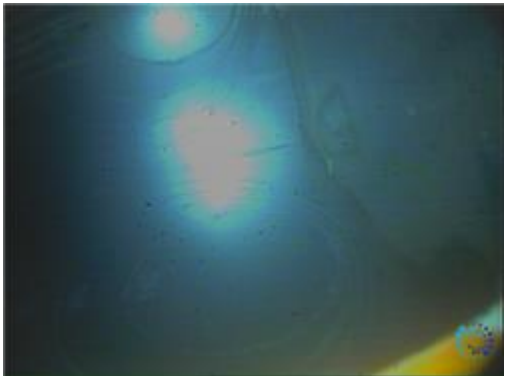
Total Defects for section

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 SW01	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
00.89m	0:00:31	LUF	Line of drain/sewer deviates up [full]	Image Provided - Ref: 20_2 
01.00m		OCF	Finish node type, other special chamber SLOT DRAIN	Image Provided - Ref: 20_9999 

Total Defects for section



DRB Grade for Section



Site: 99 OXFORD ROAD, MANCHESTER

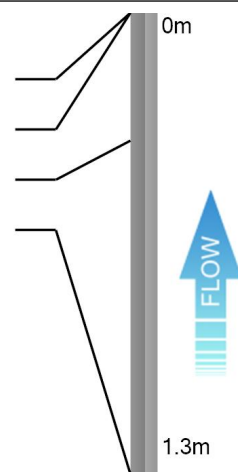
Section 22

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
	99 OXFORD ROAD	MANCHESTER		RYAN HITCHCOCK	01/10/2021
Start Node Ref:	EXMH234	Finish Node Ref:	SW1	Direction: U	Height/Dia: 150
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use: S	Shape: C
Start Node Coordinate:		Finish Node Coordinate:		Material: PVC	Cleaned N

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			ZZZ	D	N	1.3	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 0%			0:00:00	
00.36m	SC	Dimension of drain/sewer changes : 100mm		21_2	0:00:06	
01.30m	MHF	Finish node type, manhole		21_9		



Total Defects for section

DRB Grade for Section

0 0 0 0 0



Descriptive Report with Remarks and Observation Images

Section 22

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole SW1	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
00.36m	0:00:06	SC	Dimension of drain/sewer changes: 100mm Diameter TRAP OFF MH	Image Provided - Ref: 21_2 
01.30m		MHF	Finish node type, manhole EXMH234	Image Provided - Ref: 21_9999 

Total Defects for section



DRB Grade for Section



Site: 99 OXFORD ROAD, MANCHESTER

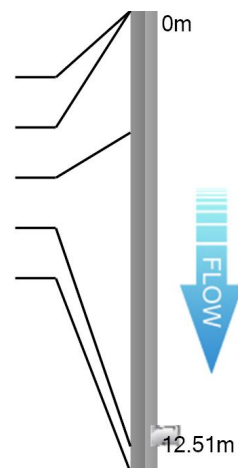
Section 23

Client:	Location (Street Name): 99 OXFORD ROAD	City/Town/Village MANCHESTER	Cust Job Ref.	Surveyors Name: RYAN HITCHCOCK	Date: 01/10/2021
Start Node Ref:	EXMH234	Finish Node Ref:	DOWNSTREAM	Direction:	D
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	VC
				Cleaned	N

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			ZZZ	D	N	12.51	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 0%			0:00:00	
03.30m	REM	General remark		22_2	0:00:19	
11.81m	JN	Junction 10 : 100mm Diameter		22_3	0:00:52	
12.51m	BRF	Finish node type, major connection without		22_9		



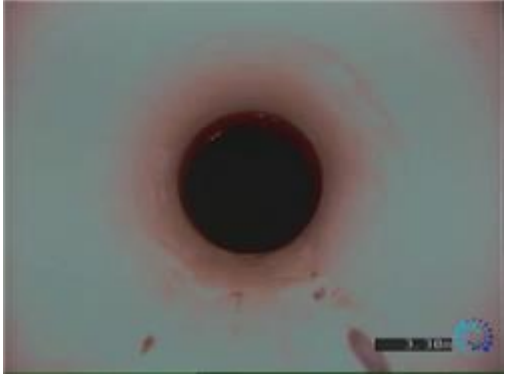
Total Defects for section

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 EXMH234	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
03.30m	0:00:19	REM	General remark PATCH LINER FITTED	Image Provided - Ref: 22_2 
11.81m	0:00:52	JN	Junction at 10 o'clock: 100mm Diameter	Image Provided - Ref: 22_3 
12.51m		BRF	Finish node type, major connection without manhole DOWNSTREAM	Image Provided - Ref: 22_9999 

Total Defects for section



DRB Grade for Section

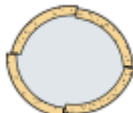


A guide to defects and other observations in drainage systems

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

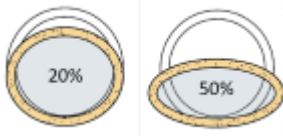
Start Node	Description	Finish Node
MH	Manhole	MHF
IC	Inspection Chamber	ICF
GY	Gulley	GYF
RE	Rodding Eye	REF
SK	Soakaway	SKF
BN	Buchan Trap	BNF
BR	Major Connection without Ref	BRF
CP	Catch Pit	CPF
OC	Other Special Chamber	OCF
OF	Outfall	OFF
OS	Oil Separator	OSF
WR	Major Connection without mh	WRF
LH	Lamphole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



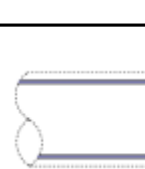
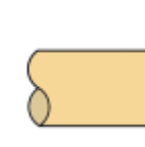
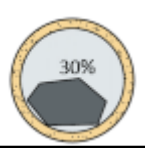
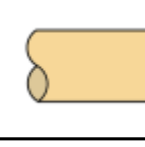
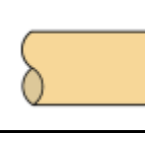
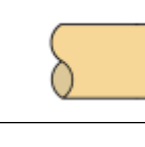
CX(I)	Defective Connection (Intruding)	Defective by intrusion or damage due to factors including: cracks, fractures, obstruction, position etc	Described by clock reference position and diameter (+ % intrusion)	
CU	Loss of Vision	Lens of camera is obscured by debris, water etc. Operator is unable to see 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



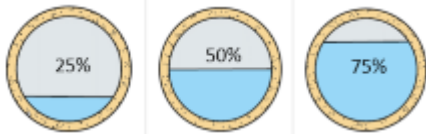
JDM	Joint Displaced Medium	Pipe has moved at joint, perpendicular to axis of pipe	Between 1 and 1.5 times the pipe wall thickness must be visible	
JN	Junction	Lateral pipe was installed at construction	Described by clock reference position and diameter	
JX	Defective Junction	Lateral pipe was installed 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	