

Drainage Report



Prepared For
Barnfield Construction Ltd
kenyon Road
Nelson
Lancs
BB9 5SP

Site

27 Dale Street
Manchester
Manchester

JETCAM CLEANSING LTD
Stephen Prosser
info@jetcamcleansing.co.uk
07480 588881 / 07990 701547

Total Defects for Project



Total DRB Grades for Project



Dale Street Manchester - CCTV Survey Report : 27/01/22

Name :	JETCAM CLEANSING LTD
Contact :	Matthew Hornsby & Stephen Prosser
Location :	99 Harrison Drive
Town :	Colne
Region :	Lancs
Postcode :	BB8 9SJ
Email :	info@jetcamcleansing.co.uk
Contact Number :	07480 588881 / 07990 701547
Surveyor :	Stephen Prosser
Valid Certification No :	

Client Information

Name :	Barnfield Construction Ltd
Contact :	Steve Riley
Location :	kenyon Road
Town :	Nelson
Region :	Lancs
Postcode :	BB9 5SP
Tel :	01282 442300
Mobile :	
Email :	
Fax :	

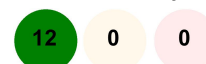
Site Information

Name :	
Contact :	Mark Dean
Location :	27 Dale Street
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: Attenuation 1 To: S1	Grade A	DRB Grade: A Pipe Size: 450 Material: Polypropylene Use: Surface Water
Section: 2 From: Attenuation 2 To: S1	Grade A	DRB Grade: A Pipe Size: 450 Material: Polypropylene Use: Surface Water
Section: 3 From: S1 To: Inlet Pipes	Grade A	DRB Grade: A Pipe Size: 150 Material: Polypropylene Use: Surface Water
Section: 4 From: F4 To: Upstream	Grade A	DRB Grade: A Pipe Size: 150 Material: Polypropylene Use: Foul
Section: 5 From: F4 To: C1	Grade A	DRB Grade: A Pipe Size: 150 Material: Polypropylene Use: Foul
Section: 6 From: C1 To: S1	Grade A	DRB Grade: A Pipe Size: 150 Material: Polypropylene Use: Surface Water
Section: 7 From: C1 To: C2	Grade A	DRB Grade: A Pipe Size: 150 Material: Polypropylene Use: Combined
Section: 8 From: C2 To: Existing MH	Grade A	DRB Grade: A Pipe Size: 150 Material: Polypropylene Use: Combined

Total Defects for Project

Total DRB Grades for Project

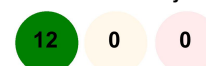


Section: 9 From: Cellar MH1 To: Cellar MH2	Grade A	DRB Grade: A Pipe Size: 150 Material: Polypropylene Use: Foul
Section: 10 From: Cellar MH2 To: Upstream	Grade A	DRB Grade: A Pipe Size: 150 Material: Polypropylene Use: Foul
Section: 11 From: Cellar MH1 To: Pump Pit	Grade A	DRB Grade: A Pipe Size: 150 Material: Polypropylene Use: Foul
Section: 12 From: PlantRoom Drain To: Pump Pit	Grade A	DRB Grade: A Pipe Size: 150 Material: Polypropylene Use: Foul

Total Defects for Project



Total DRB Grades for Project



Site: 27 Dale Street , Manchester

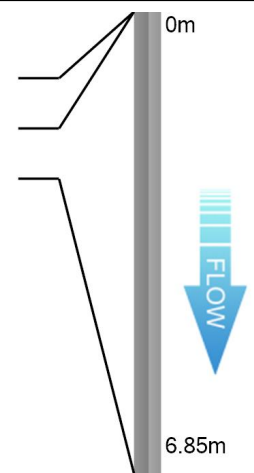
Section 1

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
Barnfield Construction Ltd	27 Dale Street	Manchester		Stephen Prosser	27/01/2022

Start Node Ref:	Attenuation 1	Finish Node Ref:	S1	Direction:	D	Height/Dia:	450
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	S	Shape:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	PP	Cleaned	Y

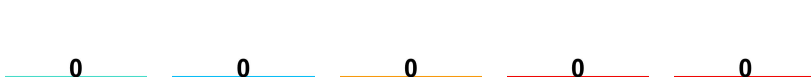
Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A			2021	D	N	6.85	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole		0_0		
00.00m	WL	Water level 0%			0:00:00	
06.85m	MHF	Finish node type, manhole		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 Attenuation 1	Image Provided - Ref: 0_0 
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
06.85m		MHF	Finish node type, manhole S1	Image Provided - Ref: 0_9999 

Total Defects for section



DRB Grade for Section



Site: 27 Dale Street , Manchester

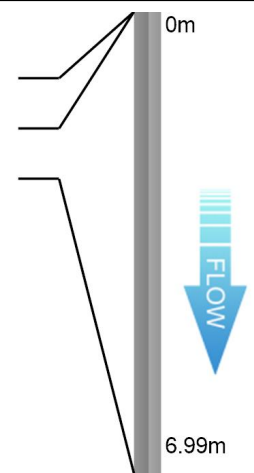
Section 2

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
Barnfield Construction Ltd	27 Dale Street	Manchester		Stephen Prosser	27/01/2022

Start Node Ref:	Attenuation 2	Finish Node Ref:	S1	Direction:	D	Height/Dia:	450
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	S	Shape:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	PP	Cleaned	Y

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A			2021	D	N	6.99	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole		1_0		
00.00m	WL	Water level 0%			0:00:00	
06.99m	MHF	Finish node type, manhole		1_99		



Total Defects for section

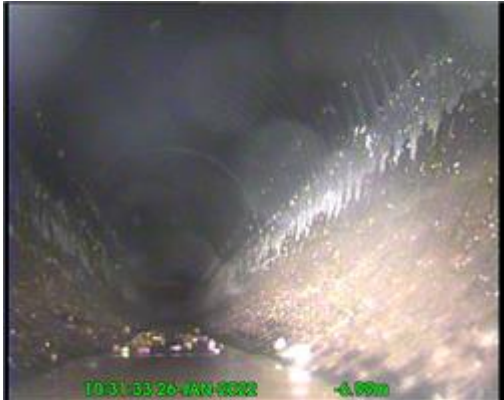
DRB Grade for Section

0 0 0 0 0



Descriptive Report with Remarks and Observation Images

Section 2

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole Attenuation 2	Image Provided - Ref: 1_0 
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
06.99m		MHF	Finish node type, manhole S1	Image Provided - Ref: 1_9999 

Total Defects for section



DRB Grade for Section



Site: 27 Dale Street , Manchester

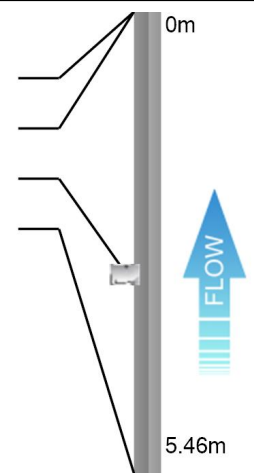
Section 3

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
Barnfield Construction Ltd	27 Dale Street	Manchester		Stephen Prosser	27/01/2022

Start Node Ref:	S1	Finish Node Ref:	Inlet Pipes	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:	PP	Cleaned	Y

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A			2021	D	N	5.46	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole		2_0		
00.00m	WL	Water level 0%			0:00:00	
03.23m	JN	Junction 03 : 150mm Diameter		2_2	0:00:13	
05.46m	BRF	Finish node type, major connection without		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 S1	Image Provided - Ref: 2_0 
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
03.23m	0:00:13	JN	Junction at 03 o'clock: 150mm Diameter	Image Provided - Ref: 2_2 
05.46m		BRF	Finish node type, major connection without manhole Inlet Pipes	Image Provided - Ref: 2_9999 

Total Defects for section

0 0 0 0 0

DRB Grade for Section



Site: 27 Dale Street , Manchester

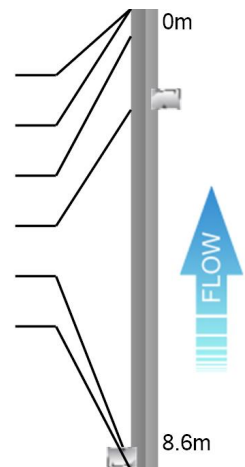
Section 4

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
Barnfield Construction Ltd	27 Dale Street	Manchester		Stephen Prosser	27/01/2022

Start Node Ref:	F4	Finish Node Ref:	Upstream	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:	PP	Cleaned	Y

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A			2021	D	N	8.6	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole		3_0		
00.00m	WL	Water level 0%			0:00:00	
00.51m	SC	Dimension of drain/sewer changes : 100mm		3_2	0:00:08	
01.88m	JN	Junction 10 : 100mm Diameter		3_3	0:00:18	
08.55m	JN	Junction 03 : 100mm Diameter		3_4	0:00:40	
08.60m	BRF	Finish node type, major connection without		3_99		



Total Defects for section

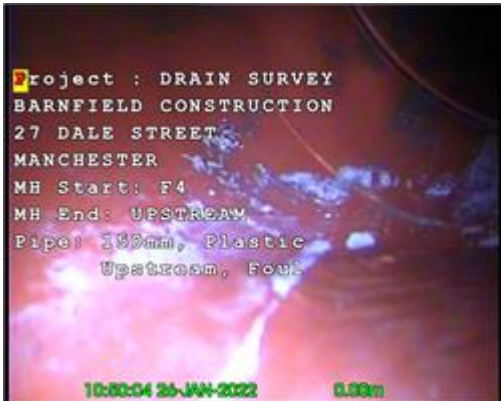
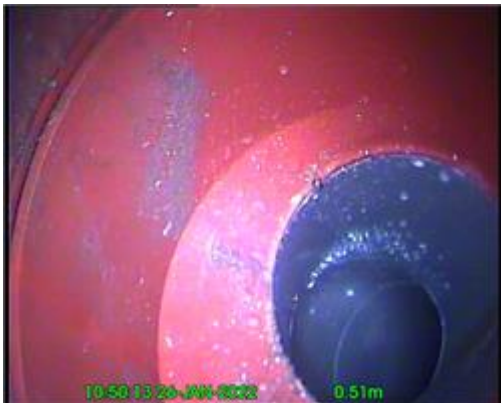
DRB Grade for Section

0 0 0 0 0



Descriptive Report with Remarks and Observation Images

Section 4

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole F4	Image Provided - Ref: 3_0 
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
00.51m	0:00:08	SC	Dimension of drain/sewer changes: 100mm Diameter	Image Provided - Ref: 3_2 
01.88m	0:00:18	JN	Junction at 10 o'clock: 100mm Diameter	Image Provided - Ref: 3_3 

Total Defects for section



DRB Grade for Section



Pos	Video Ref	Code	Description	Image
08.55m	0:00:40	JN	Junction at 03 o'clock: 100mm Diameter	Image Provided - Ref: 3_4 
08.60m		BRF	Finish node type, major connection without manhole Upstream	Image Provided - Ref: 3_9999 

Total Defects for section

0 0 0 0 0

DRB Grade for Section



Site: 27 Dale Street , Manchester

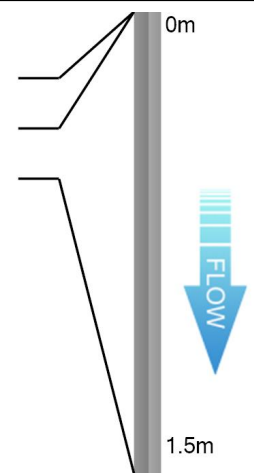
Section 5

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
Barnfield Construction Ltd	27 Dale Street	Manchester		Stephen Prosser	27/01/2022

Start Node Ref:	F4	Finish Node Ref:	C1	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:	PP	Cleaned	Y

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A			2021	D	N	1.5	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole		4_0		
00.00m	WL	Water level 0%			0:00:00	
01.50m	MHF	Finish node type, manhole		4_99		



Total Defects for section

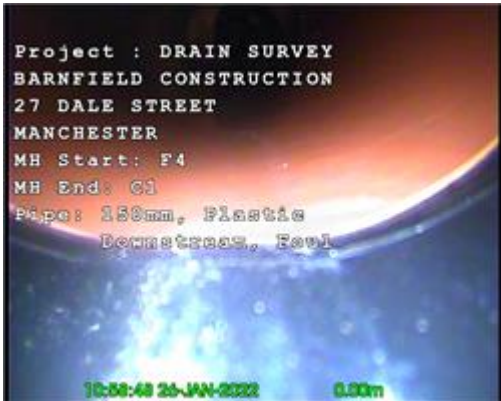
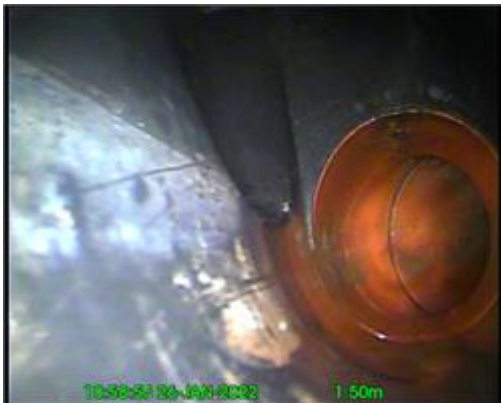
DRB Grade for Section

0 0 0 0 0



Descriptive Report with Remarks and Observation Images

Section 5

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole F4	Image Provided - Ref: 4_0 
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
01.50m		MHF	Finish node type, manhole C1	Image Provided - Ref: 4_9999 

Total Defects for section



DRB Grade for Section



Site: 27 Dale Street , Manchester

Section 6

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
Barnfield Construction Ltd	27 Dale Street	Manchester		Stephen Prosser	27/01/2022

Start Node Ref:	C1	Finish Node Ref:	S1	Direction:	D	Height/Dia:	150
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	S	Shape:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	PP	Cleaned	Y

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A			2021	D	N	0	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole		5_0	—	
00.00m	WL	Water level 0%			0:00:00	—
00.00m	MHF	Finish node type, manhole		5_99	—	

0m



0m

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 C1	Image Provided - Ref: 5_0 
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
00.00m		MHF	Finish node type, manhole S1 Hydrobrake	Image Provided - Ref: 5_9999 

Total Defects for section



DRB Grade for Section



Site: 27 Dale Street , Manchester

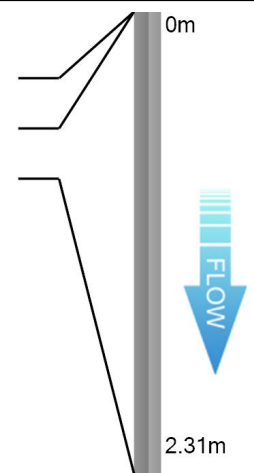
Section 7

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
Barnfield Construction Ltd	27 Dale Street	Manchester		Stephen Prosser	27/01/2022

Start Node Ref:	C1	Finish Node Ref:	C2	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:	PP	Cleaned	Y

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A			2021	D	N	2.31	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole		6_0		
00.00m	WL	Water level 0%			0:00:00	
02.31m	MHF	Finish node type, manhole		6_99		



Total Defects for section

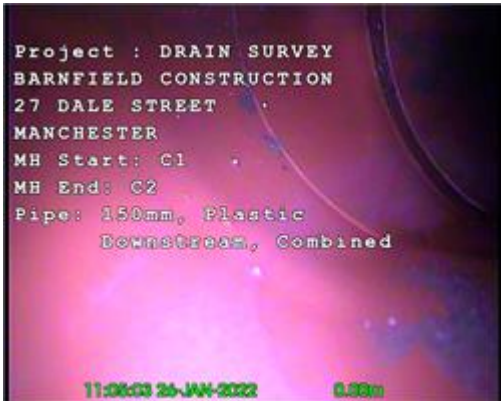
DRB Grade for Section

0 0 0 0 0



Descriptive Report with Remarks and Observation Images

Section 7

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole C1	Image Provided - Ref: 6_0 
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
02.31m		MHF	Finish node type, manhole C2	Image Provided - Ref: 6_9999 

Total Defects for section



DRB Grade for Section



Site: 27 Dale Street , Manchester

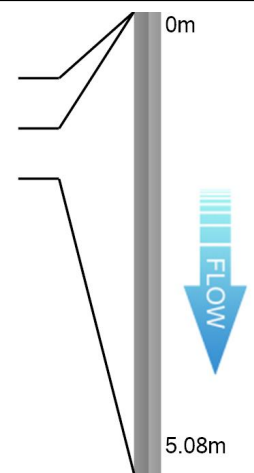
Section 8

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
Barnfield Construction Ltd	27 Dale Street	Manchester		Stephen Prosser	27/01/2022

Start Node Ref:	C2	Finish Node Ref:	Existing MH	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:	PP	Cleaned	Y

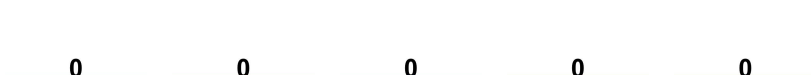
Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A			2021	D	N	5.08	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole		7_0		
00.00m	WL	Water level 0%			0:00:00	
05.08m	MHF	Finish node type, manhole		7_99		



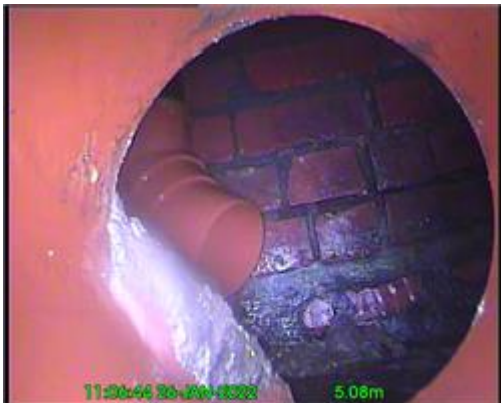
Total Defects for section

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 C2	Image Provided - Ref: 7_0 
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
05.08m		MHF	Finish node type, manhole Existing MH	Image Provided - Ref: 7_9999 

Total Defects for section



DRB Grade for Section



Site: 27 Dale Street , Manchester

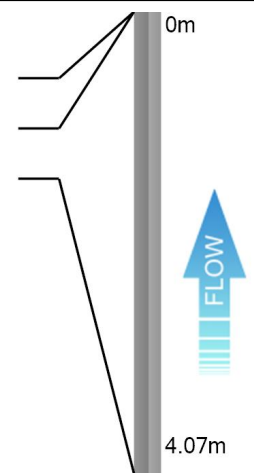
Section 9

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
Barnfield Construction Ltd	27 Dale Street	Manchester		Stephen Prosser	27/01/2022

Start Node Ref:	Cellar MH1	Finish Node Ref:	Cellar MH2	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:	PP	Cleaned	Y

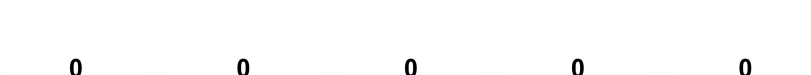
Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A			2021	D	N	4.07	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole		8_0		
00.00m	WL	Water level 0%			0:00:00	
04.07m	MHF	Finish node type, manhole		8_99		



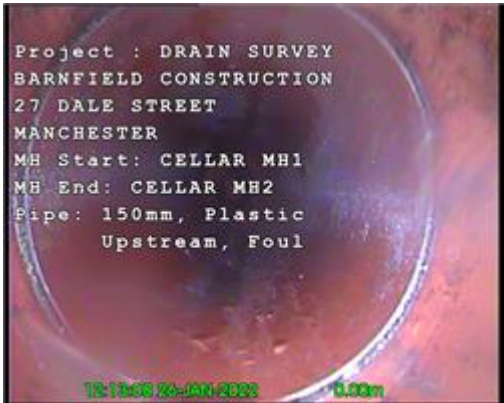
Total Defects for section

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 Cellar MH1	Image Provided - Ref: 8_0 
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
04.07m		MHF	Finish node type, manhole Cellar MH2	Image Provided - Ref: 8_9999 

Total Defects for section



DRB Grade for Section



Site: 27 Dale Street , Manchester

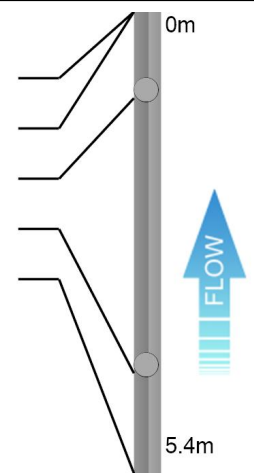
Section 10

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
Barnfield Construction Ltd	27 Dale Street	Manchester		Stephen Prosser	27/01/2022

Start Node Ref:	Cellar MH2	Finish Node Ref:	Upstream	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:	PP	Cleaned	Y

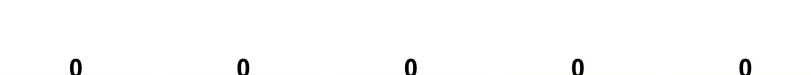
Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A			2021	D	N	5.4	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole		9_0		
00.00m	WL	Water level 0%			0:00:00	
01.01m	JN	Junction 12 : 100mm Diameter		9_2	0:00:06	
04.23m	JN	Junction 12 : 100mm Diameter		9_3	0:00:10	
05.40m	BRF	Finish node type, major connection without		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 Cellar MH2	Image Provided - Ref: 9_0 
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
01.01m	0:00:06	JN	Junction at 12 o'clock: 100mm Diameter	Image Provided - Ref: 9_2 
04.23m	0:00:10	JN	Junction at 12 o'clock: 100mm Diameter	Image Provided - Ref: 9_3 

Total Defects for section

DRB Grade for Section

0 0 0 0 0



Pos	Video Ref	Code	Description	Image
05.40m		BRF	Finish node type, major connection without manhole Upstream	Image Provided - Ref: 9_9999 

Total Defects for section

0 0 0 0 0

DRB Grade for Section



Site: 27 Dale Street , Manchester

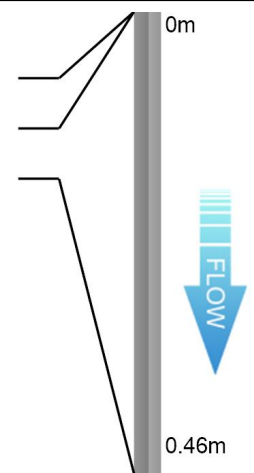
Section 11

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
Barnfield Construction Ltd	27 Dale Street	Manchester		Stephen Prosser	27/01/2022

Start Node Ref:	Cellar MH1	Finish Node Ref:	Pump Pit	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:	PP	Cleaned	Y

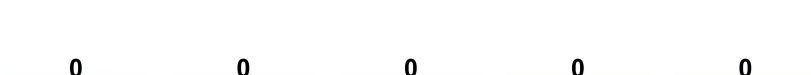
Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A			2021	D	N	0.46	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole		10_0		
00.00m	WL	Water level 0%			0:00:00	
00.46m	BRF	Finish node type, major connection without		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		MH	Start node type, manhole Cellar MH1	Image Provided - Ref: 10_0 
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
00.46m		BRF	Finish node type, major connection without manhole Pump Pit	Image Provided - Ref: 10_9999 

Total Defects for section



DRB Grade for Section



Site: 27 Dale Street , Manchester

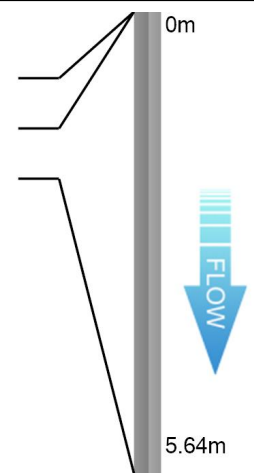
Section 12

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
Barnfield Construction Ltd	27 Dale Street	Manchester		Stephen Prosser	27/01/2022

Start Node Ref:	PlantRoom Drain	Finish Node Ref:	Pump Pit	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:	PP	Cleaned	Y

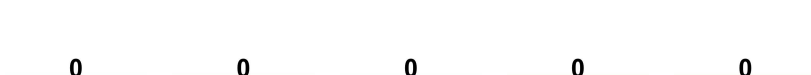
Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A			2021	D	N	5.64	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole		11_0		
00.00m	WL	Water level 0%			0:00:00	
05.64m	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		MH	Start node type, manhole PlantRoom Drain	Image Provided - Ref: 11_0 
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
05.64m		MHF	Finish node type, manhole Pump Pit	Image Provided - Ref: 11_9999 