

Drainage Report



Prepared For

FAIRCLOTH CONSTRUCTION LTD
THE OLD LIBRARY, DUDLEY
ROAD
TUNBRIDGE WELLS

TN1 1LE

Site

FAIRCLOTH CONSTRUCTION LTD
ROYAL MAIL, BRUNEL ROAD
SALISBURY

SP2 7PU



Q DRAINS LTD
Surveyor:

INFO@QDRAINS.CO.UK
01732 605379

Total Defects for Project



Total DRB Grades for Project



Royal Mail Salisbury - CCTV Survey Report : 29/10/25

Name :	Q DRAINS LTD
Contact :	RICHIE QUAINANCE
Location :	UNIT D2, CHAUCER BUSINESS PARK
Town :	KEMSING
Region :	
Postcode :	TN15 6YU
Email :	INFO@QDRAINS.CO.UK
Contact Number :	01732 605379
Surveyor :	
Valid Certification No :	

Client Information

Name :	FAIRCLOTH CONSTRUCTION LTD
Contact :	FAIRCLOTH CONSTRUCTION LTD
Location :	THE OLD LIBRARY, DUDLEY ROAD
Town :	TUNBRIDGE WELLS
Region :	
Postcode :	TN1 1LE
Tel :	
Mobile :	
Email :	
Fax :	

Site Information

Name :	FAIRCLOTH CONSTRUCTION LTD
Contact :	FAIRCLOTH CONSTRUCTION LTD
Location :	ROYAL MAIL, BRUNEL ROAD
Town :	SALISBURY
Region :	
Postcode :	SP2 7PU
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: ACCESS POINT 1 To: LINE 1	Grade B	DRB Grade: B Pipe Size: 150 Material: Vitrified Clay (i.e. all clayware) Use: Surface Water
MH		
Section: 2 From: MANHOLE 1 To: LINE 2	Grade A	DRB Grade: A Pipe Size: 225 Material: Vitrified Clay (i.e. all clayware) Use: Surface Water
MH		
Section: 3 From: MANHOLE 2 To: LINE 2	Grade A	DRB Grade: A Pipe Size: 225 Material: Vitrified Clay (i.e. all clayware) Use: Surface Water
MH		
Section: 4 From: MANHOLE 2 To: LINE 3	Grade B	DRB Grade: B Pipe Size: 225 Material: Vitrified Clay (i.e. all clayware) Use: Surface Water
MH		
Section: 5 From: MANHOLE 3 To: LINE 4	Grade B	DRB Grade: B Pipe Size: 225 Material: Vitrified Clay (i.e. all clayware) Use: Surface Water
MH		
Section: 6 From: MANHOLE 3 To: LINE 5	Grade A	DRB Grade: A Pipe Size: 225 Material: Vitrified Clay (i.e. all clayware) Use: Surface Water
MH		

Total Defects for Project



Total DRB Grades for Project



Section: 7 From: MANHOLE 4 To: LINE 6	Grade B	DRB Grade: B Pipe Size: 150 Material: Vitrified Clay (i.e. all clayware) Use: Surface Water
MH		

Section: 8 From: MANHOLE 6 To: LINE 7	Grade A	DRB Grade: A Pipe Size: 150 Material: Cast Iron Use: Foul
MH		

Total Defects for Project



Total DRB Grades for Project



Site: ROYAL MAIL, BRUNEL ROAD, SALISBURY

Section 1

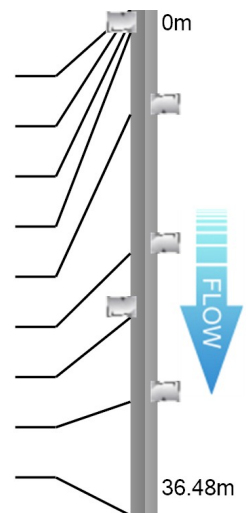
Client: FAIRCLOTH CONSTRUCTION LTD	Location (Street Name): ROYAL MAIL, BRUNEL ROAD	City/Town/Village SALISBURY	Cust Job Ref.	Surveyors Name:	Date: 29/10/2025
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Start Node Ref: Start Node Depth: Start Node Coordinate:	ACCESS POINT 1 0.00	Finish Node Ref: Finish Node Depth: Finish Node Coordinate:	LINE 1 0.00	Direction: D Use: S Material: VC	Height/Dia: 150 Shape: C Cleaned: N
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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	36.48	

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	
00.77m	DER	Settled deposits coarse 40%		0_2	0:00:28	
01.66m	JN	Junction 03 : 150mm Diameter		0_3	0:00:42	
07.55m	JN	Junction 09 : 100mm Diameter		0_4	0:01:30	
17.57m	JN	Junction 09 : 100mm Diameter		0_5	0:02:12	
22.20m	JN	Junction 03 : 150mm Diameter		0_6	0:02:55	
28.28m	JN	Junction 09 : 100mm Diameter		0_7	0:03:31	
36.48m	MHF	Finish node type, manhole		0_99		



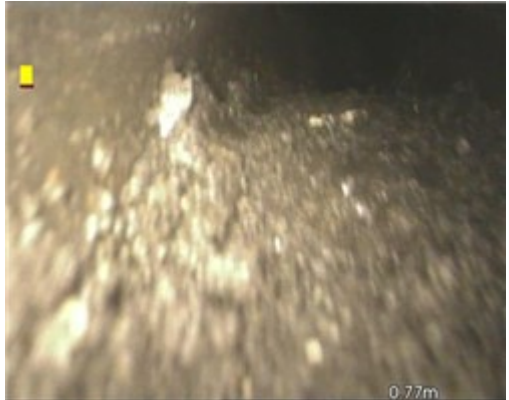
Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 1

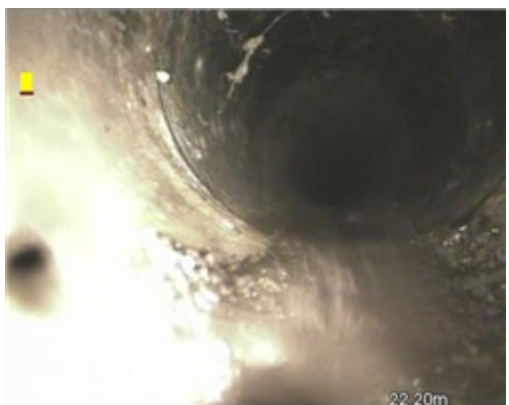
Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole ACCESS POINT 1	Image Provided - Ref: 0_0 
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
00.77m	0:00:28	DER	Settled deposits coarse: 40% Cross sectional area loss - Severity 3	Image Provided - Ref: 0_2 
01.66m	0:00:42	JN	Junction at 03 o'clock: 150mm Diameter	Image Provided - Ref: 0_3 

Total Defects for section



DRB Grade for Section



Pos	Video Ref	Code	Description	Image
07.55m	0:01:30	JN	Junction at 09 o'clock: 100mm Diameter	Image Provided - Ref: 0_4 
17.57m	0:02:12	JN	Junction at 09 o'clock: 100mm Diameter	Image Provided - Ref: 0_5 
22.20m	0:02:55	JN	Junction at 03 o'clock: 150mm Diameter	Image Provided - Ref: 0_6 

Total Defects for section



DRB Grade for Section



Pos	Video Ref	Code	Description	Image
28.28m	0:03:31	JN	Junction at 09 o'clock: 100mm Diameter	Image Provided - Ref: 0_7 
36.48m		MHF	Finish node type, manhole ENTER MANHOLE 1	Image Provided - Ref: 0_9999 

Total Defects for section



DRB Grade for Section



Site: ROYAL MAIL, BRUNEL ROAD, SALISBURY

Section 2

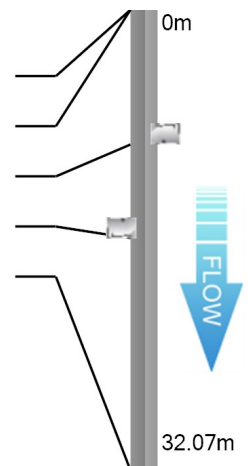
Client: FAIRCLOTH CONSTRUCTION LTD	Location (Street Name): ROYAL MAIL, BRUNEL ROAD	City/Town/Village SALISBURY	Cust Job Ref.	Surveyors Name:	Date: 29/10/2025
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Start Node Ref: MANHOLE 1	Finish Node Ref: LINE 2	Direction: D	Height/Dia: 225
Start Node Depth: 1.00	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				D	N	32.07	

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	
09.38m	JN	Junction 09 : 100mm Diameter		1_2	0:00:52	
15.90m	JN	Junction 03 : 150mm Diameter		1_3	0:01:26	
32.07m	SA	Survey abandoned		1_99		



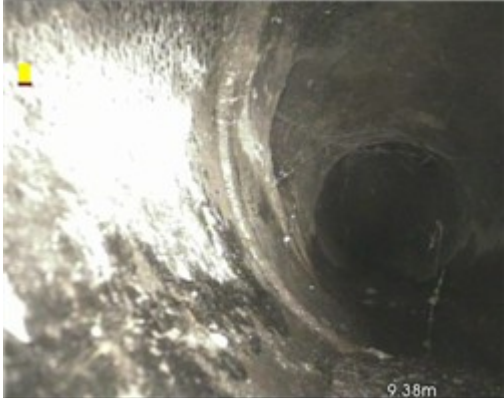
Total Defects for section

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 RWDP 1	Image Provided - Ref: 1_0 
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
09.38m	0:00:52	JN	Junction at 09 o'clock: 100mm Diameter	Image Provided - Ref: 1_2 
15.90m	0:01:26	JN	Junction at 03 o'clock: 150mm Diameter	Image Provided - Ref: 1_3 

Total Defects for section

DRB Grade for Section



Pos	Video Ref	Code	Description	Image
32.07m		SA	Survey abandoned UNABLE TO PUSH ANY FURTHER - WILL OVERLAP FROM OTHER END	Image Provided - Ref: 1_9999 

Total Defects for section



DRB Grade for Section



Site: ROYAL MAIL, BRUNEL ROAD, SALISBURY

Section 3

Client: FAIRCLOTH CONSTRUCTION LTD	Location (Street Name): ROYAL MAIL, BRUNEL ROAD	City/Town/Village SALISBURY	Cust Job Ref.	Surveyors Name:	Date: 29/10/2025
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Start Node Ref: MANHOLE 2	Finish Node Ref: LINE 2	Direction: U	Height/Dia: 225
Start Node Depth: 1.20	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				D	N	9.88	

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	
09.88m	SA	Survey abandoned		2_99		

0m

9.88m



Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

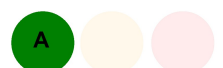
Section 3

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MANHOLE 2	Image Provided - Ref: 2_0 
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
09.88m		SA	Survey abandoned OVERLAP FROM OTHER DIRECTION COMPLETE	Image Provided - Ref: 2_9999 

Total Defects for section



DRB Grade for Section



Site: ROYAL MAIL, BRUNEL ROAD, SALISBURY

Section 4

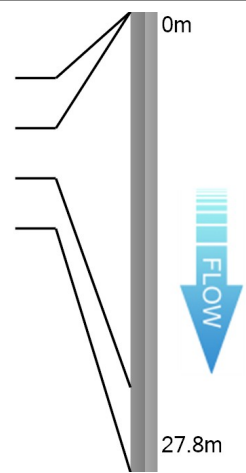
Client: FAIRCLOTH CONSTRUCTION LTD	Location (Street Name): ROYAL MAIL, BRUNEL ROAD	City/Town/Village SALISBURY	Cust Job Ref.	Surveyors Name:	Date: 29/10/2025
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Start Node Ref: MANHOLE 2	Finish Node Ref: LINE 3	Direction: D	Height/Dia: 225
Start Node Depth: 1.20	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				D	N	27.8	

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	
22.68m	DER	Settled deposits coarse 15%		3_2	0:01:23	
27.80m	MHF	Finish node type, manhole		3_99		



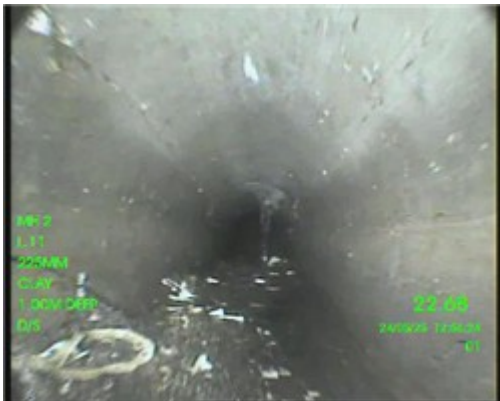
Total Defects for section

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 MANHOLE 2	Image Provided - Ref: 3_0 
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
22.68m	0:01:23	DER	Settled deposits coarse: 15% Cross sectional area loss - Severity 3	Image Provided - Ref: 3_2 
27.80m		MHF	Finish node type, manhole DROPS INTO MAIN LINE OFF BOUNDARY	Image Provided - Ref: 3_9999 

Total Defects for section



DRB Grade for Section



Site: ROYAL MAIL, BRUNEL ROAD, SALISBURY

Section 5

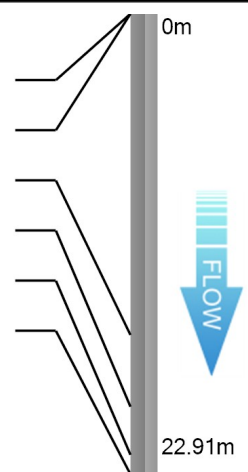
Client: FAIRCLOTH CONSTRUCTION LTD	Location (Street Name): ROYAL MAIL, BRUNEL ROAD	City/Town/Village SALISBURY	Cust Job Ref.	Surveyors Name:	Date: 29/10/2025
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Start Node Ref: MANHOLE 3	Finish Node Ref: LINE 4	Direction: D	Height/Dia: 225
Start Node Depth: 1.20	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				D	N	22.91	

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	
15.98m	DER	Settled deposits coarse 15%		4_2	0:00:29	
19.55m	DER	Settled deposits coarse 30%		4_3	0:00:04	
21.94m	DER	Settled deposits coarse 40%		4_4	0:00:20	
22.91m	SA	Survey abandoned		4_99		



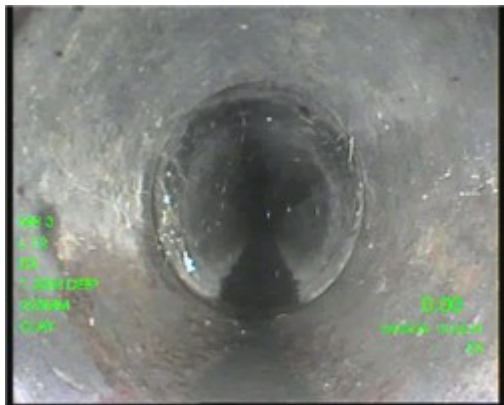
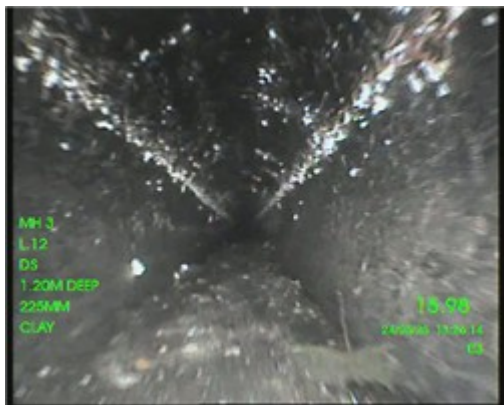
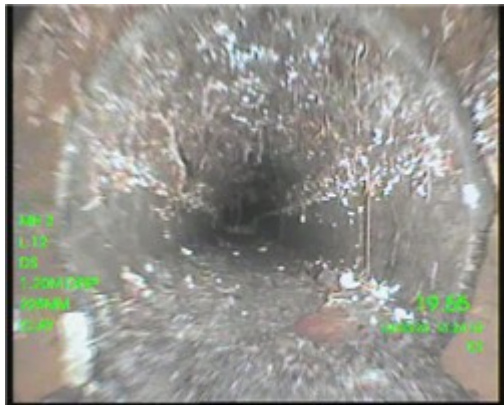
Total Defects for section

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 MANHOLE 3	Image Provided - Ref: 4_0 
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
15.98m	0:00:29	DER	Settled deposits coarse: 15% Cross sectional area loss - Severity 3	Image Provided - Ref: 4_2 
19.55m	0:00:04	DER	Settled deposits coarse: 30% Cross sectional area loss - Severity 3	Image Provided - Ref: 4_3 

Total Defects for section



DRB Grade for Section



Pos	Video Ref	Code	Description	Image
21.94m	0:00:20	DER	Settled deposits coarse: 40% Cross sectional area loss - Severity 3	Image Provided - Ref: 4_4 
22.91m		SA	Survey abandoned CAMERA UNDER WATER, UNABLE TO PUSH ANY FURTHER - DROPS INTO MAIN LINE	Image Provided - Ref: 4_9999 

Total Defects for section



DRB Grade for Section



Site: ROYAL MAIL, BRUNEL ROAD, SALISBURY

Section 6

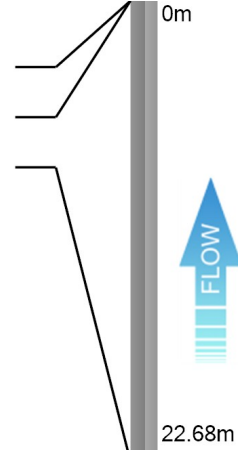
Client: FAIRCLOTH CONSTRUCTION LTD	Location (Street Name): ROYAL MAIL, BRUNEL ROAD	City/Town/Village SALISBURY	Cust Job Ref.	Surveyors Name:	Date: 29/10/2025
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Start Node Ref: MANHOLE 3	Finish Node Ref: LINE 5	Direction: U	Height/Dia: 225
Start Node Depth: 1.20	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				D	N	22.68	

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
22.68m	MHF	Finish node type, manhole		5_99	



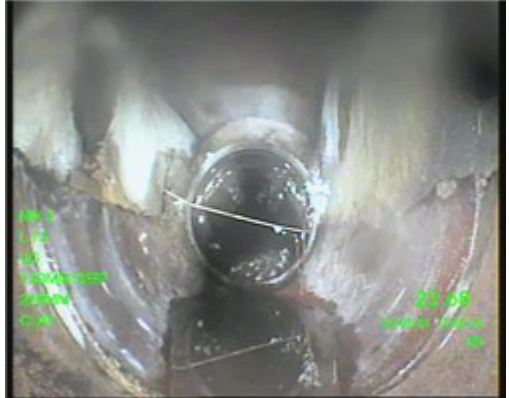
Total Defects for section

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 MANHOLE 3	Image Provided - Ref: 5_0 
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
22.68m		MHF	Finish node type, manhole ENTER MANHOLE 4	Image Provided - Ref: 5_9999 

Total Defects for section

DRB Grade for Section

0 0 0 0 0



Site: ROYAL MAIL, BRUNEL ROAD, SALISBURY

Section 7

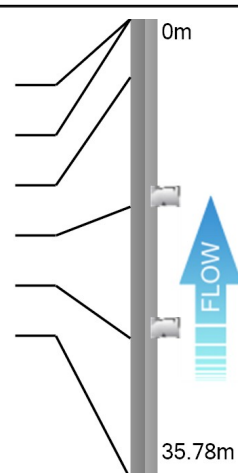
Client: FAIRCLOTH CONSTRUCTION LTD	Location (Street Name): ROYAL MAIL, BRUNEL ROAD	City/Town/Village SALISBURY	Cust Job Ref.	Surveyors Name:	Date: 29/10/2025
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Start Node Ref: MANHOLE 4	Finish Node Ref: LINE 6	Direction: U	Height/Dia: 150
Start Node Depth: 1.00	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				D	N	35.78	

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	
04.53m	DES	Settled deposits fine 10%		6_2	0:00:26	
14.60m	JN	Junction 09 : 100mm Diameter		6_3	0:00:52	
24.83m	JN	Junction 09 : 100mm Diameter		6_4	0:01:29	
35.78m	MHF	Finish node type, manhole		6_99		



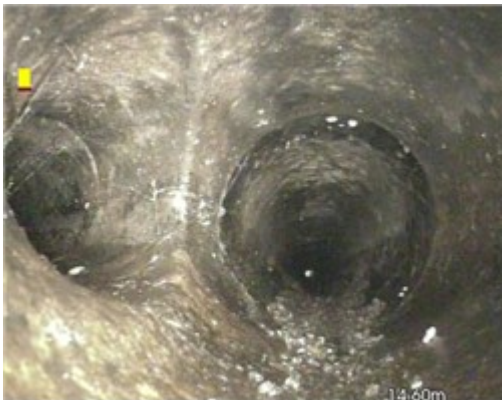
Total Defects for section

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 MANHOLE 4	Image Provided - Ref: 6_0 
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
04.53m	0:00:26	DES	Settled deposits fine: 10% Cross sectional area loss - Severity 3	Image Provided - Ref: 6_2 
14.60m	0:00:52	JN	Junction at 09 o'clock: 100mm Diameter	Image Provided - Ref: 6_3 

Total Defects for section



DRB Grade for Section



Pos	Video Ref	Code	Description	Image
24.83m	0:01:29	JN	Junction at 09 o'clock: 100mm Diameter	Image Provided - Ref: 6_4 
35.78m		MHF	Finish node type, manhole ENTER MANHOLE 5	Image Provided - Ref: 6_9999 

Total Defects for section



DRB Grade for Section



Site: ROYAL MAIL, BRUNEL ROAD, SALISBURY

Section 8

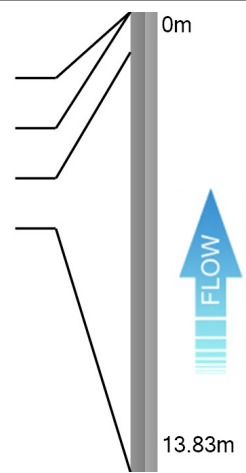
Client: FAIRCLOTH CONSTRUCTION LTD	Location (Street Name): ROYAL MAIL, BRUNEL ROAD	City/Town/Village SALISBURY	Cust Job Ref.	Surveyors Name:	Date: 29/10/2025
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Start Node Ref: MANHOLE 6	Finish Node Ref: LINE 7	Direction: U	Height/Dia: 150
Start Node Depth: 4.45	Finish Node Depth: 0.00	Use: F	Shape: C
Start Node Coordinate:	Finish Node Coordinate:	Material: CI	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				D	N	13.83	THROUGH BACK DROP

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	
01.21m	LRH	Line of drain/sewer deviates right [half]		7_2	0:00:43	
13.83m	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 MANHOLE 6	Image Provided - Ref: 7_0 
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
01.21m	0:00:43	LRH	Line of drain/sewer deviates right [half]	Image Provided - Ref: 7_2 
13.83m		MHF	Finish node type, manhole ENTER MANHOLE 7	Image Provided - Ref: 7_9999 

Total Defects for section



DRB Grade for Section





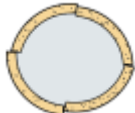
A guide to defects and other observations in drainage systems

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

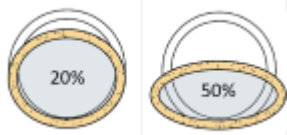
Start Node	Description	Finish Node
MH	Manhole	MHF
IC	Inspection Chamber	ICF
GY	Gulley	GYF
RE	Rodding Eye	REF
SK	Soakaway	SKF
BN	Buchan Trap	BNF
BR	Major Connection without Ref	BRF
CP	Catch Pit	CPF
OC	Other Special Chamber	OCF
OF	Outfall	OFF
OS	Oil Separator	OSF
WR	Winser Trap	WRF
LH	Lamphole	LHF

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



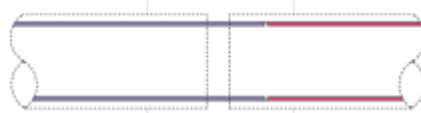
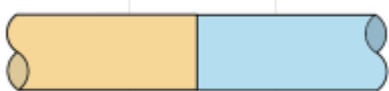
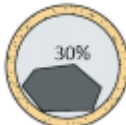
CX(I)	Defective Connection (Intruding)	Defective by intrusion or damage due to factors including: cracks, fractures, obstruction, position etc	Described by clock reference position and diameter (+ % intrusion)	
CU	Loss of Vision	Lens of camera is obscured by debris, water etc. Operator is unable to see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

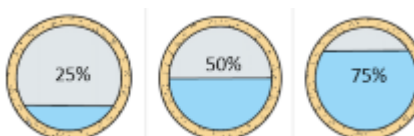


JDM	Joint Displaced Medium	Pipe has moved at joint, perpendicular to axis of pipe	Between 1 and 1.5 times the pipe wall thickness must be visible	
JN	Junction	Lateral pipe was installed at construction	Described by clock reference position and diameter	
JX	Defective Junction	Lateral pipe was installed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



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	