

Drainage Report



Prepared For

London

NW6

Site

London

NW6

PRO-DRAIN LTD

info@prodrain.co.uk

02088191561

Total Defects for Project



Total DRB Grades for Project



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Valid Certification No :	

Client Information

Name :	
Contact :	
Location :	
Town :	London
Region :	
Postcode :	NW6
Tel :	
Mobile :	
Email :	
Fax :	

Site Information

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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/recomendations 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

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Overview

<p>Section: 1 From: MH1 To: Sewer</p>	<p>Recommendation</p> <p>High pressure water jetting scale build up removal to restore the drains full working diameter</p> <p>Installation of a 2.98 meter 100mm resin impregnated drain lining to restore structural integrity to include the excavation and renewal of Gully 1 allowing for direct connection to manhole chamber 1 providing future access and the installation of an uncompromised continuous drain lining.</p>	<p>DRB Grade: B Pipe Size: 100 Material: Vitrified Clay (i.e. all clayware) Use: Combined</p>
<p>Section: 2 From: MH1 To: Grd Fir WC</p>	<p>Recommendation</p> <p>High pressure water jetting scale build up removal to restore the drains full working diameter</p>	<p>DRB Grade: B Pipe Size: 100 Material: Polyvinyl Chloride Use: Combined</p>
<p>Section: 3 From: MH1 Branch 1 To: SVP</p>	<p>Recommendation</p> <p>High pressure water jetting encrustation removal to restore the drains full working diameter</p> <p>Installation of a 1.10 meter 100mm resin impregnated drain lining to restore structural integrity</p>	<p>DRB Grade: B Pipe Size: 100 Material: Cast Iron Use: Combined</p>
<p>Section: 4 From: MH1 Branch 2 To: Gully 2</p>	<p>Recommendation</p> <p>N/A</p>	<p>DRB Grade: A Pipe Size: 100 Material: Polyvinyl Chloride Use: Combined</p>
<p>Section: 5 From: MH1 To: MH1</p>	<p>Recommendation</p> <p>Installation of a non return valve unit to prevent rodents and odours from the local authorities sewer</p>	<p>DRB Grade: A Pipe Size: 450 Material: Brick Use: Combined</p>

Total Defects for Project



Total DRB Grades for Project



Section 1

Client:	Location (Street Name):	City/Town/Village London	Cust Job Ref.	Surveyors Name:	Date: 17-04-2020
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Start Node Ref: MH1	Finish Node Ref: Sewer	Direction: D	Height/Dia: 100
Start Node Depth: 0.45	Finish Node Depth: 0.00	Use: C	Shape: C
Start Node Coordinate:	Finish Node Coordinate:	Material: VC	Cleaned: N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	3.29	

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	DEE	S1 Attached deposits, encrustation 04-07 30%	S1	0_2	0:00:04	
00.11m	JDM	Joint displaced medium		0_3	0:00:10	
01.20m	CCJ	Crack, circumferential 09-02 at joint		0_6	0:00:16	
01.22m	JDM	Joint displaced medium		0_4	0:00:15	
01.23m	JN	Junction 03 : 100mm Diameter		0_5	0:00:16	
01.54m	JDM	Joint displaced medium		0_7	0:00:35	
01.65m	DEE	Attached deposits, encrustation 05-07 10%		0_8	0:00:36	
02.41m	REM	General remark		0_9	0:00:48	
02.96m	FC	Fracture circumferential 12-06		0_10	0:00:49	
02.97m	JDM	Joint displaced medium		0_11	0:00:50	
02.98m	LDH	Line of drain/sewer deviates down [half]			0:00:59	
03.29m	BRF	Finish node type, major connection without				




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 MH1	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
00.00m	0:00:04	S1 DEE	Attached deposits, encrustation 0m - 1.23m from 04 o'clock to 07 o'clock: 30% Cross sectional area loss - Severity 3 Scale build up	Image Provided - Ref: 0_2 
00.11m	0:00:10	JDM	Joint displaced medium - Severity 3	Image Provided - Ref: 0_3 
01.20m	0:00:16	CCJ	Crack, circumferential from 09 o'clock to 02 o'clock at joint - Severity 1	Image Provided - Ref: 0_6 

Total Defects for section



DRB Grade for Section






Pos	Video Ref	Code	Description	Image
01.22m	0:00:15	JDM	Joint displaced medium - Severity 3	Image Provided - Ref: 0_4 
01.23m	0:00:16	JN	Junction at 03 o'clock: 100mm Diameter Serves Gully 1	Image Provided - Ref: 0_5 
01.54m	0:00:35	JDM	Joint displaced medium - Severity 3	Image Provided - Ref: 0_7 
01.65m	0:00:36	DEE	Attached deposits, encrustation from 05 o'clock to 07 o'clock: 10% Cross sectional area loss - Severity 3 Scale build up	Image Provided - Ref: 0_8 

Total Defects for section



DRB Grade for Section



Pos	Video Ref	Code	Description	Image
02.41m	0:00:48	REM	General remark Property Boundary - Beyond this point the drain is owned by and the responsibility of the local water authorities as per the private lateral drain transfer bill 2011	Image Provided - Ref: 0_9 
02.96m	0:00:49	FC	Fracture circumferential from 12 o'clock to 06 o'clock - Severity 3	Image Provided - Ref: 0_10 
02.97m	0:00:50	JDM	Joint displaced medium - Severity 3	Image Provided - Ref: 0_11 
02.98m	0:00:59	LDH	Line of drain/sewer deviates down [half]	
03.29m		BRF	Finish node type, major connection without manhole Sewer	

Total Defects for section



DRB Grade for Section



Section 2

Client:	Location (Street Name):	City/Town/Village London	Cust Job Ref.	Surveyors Name:	Date: 17-04-2020
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Start Node Ref: MH1	Finish Node Ref: Grd Flr WC	Direction: U	Height/Dia: 100
Start Node Depth: 0.42	Finish Node Depth: 0.00	Use: C	Shape: C
Start Node Coordinate:	Finish Node Coordinate:	Material: PVC	Cleaned: N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	7.12	

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	DEE	S1 Attached deposits, encrustation 05-07 10%	S1	1_2	0:00:05
00.11m	LRF	Line of drain/sewer deviates right [full]		1_3	0:00:07
01.55m	LLF	Line of drain/sewer deviates left [full]		1_4	0:00:16
06.93m	LLH	Line of drain/sewer deviates left [half]			0:00:56
07.12m	OCF	Finish node type, other special chamber			

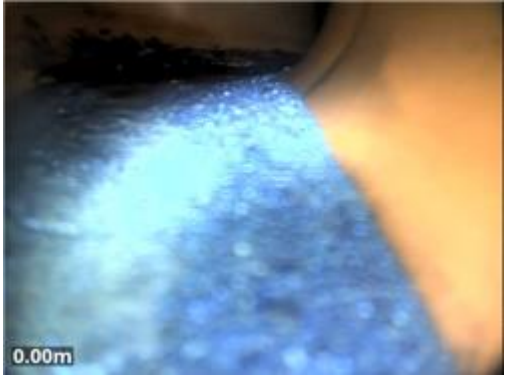
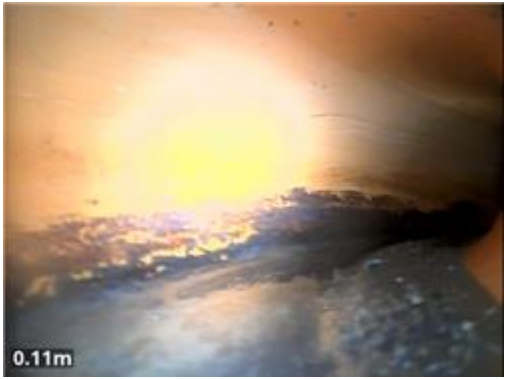
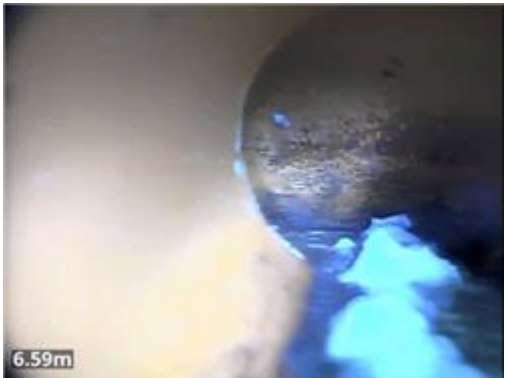
Total Defects for section

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 MH1	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
00.00m	0:00:05	S1 DEE	Attached deposits, encrustation 0m - 7.1m from 05 o'clock to 07 o'clock: 10% Cross sectional area loss - Severity 3 Scale build up	Image Provided - Ref: 1_2 
00.11m	0:00:07	LRF	Line of drain/sewer deviates right [full]	Image Provided - Ref: 1_3 
01.55m	0:00:16	LLF	Line of drain/sewer deviates left [full]	Image Provided - Ref: 1_4 
06.93m	0:00:56	LLH	Line of drain/sewer deviates left [half]	
07.12m		OCF	Finish node type, other special chamber Grd Flr WC	

Total Defects for section



DRB Grade for Section



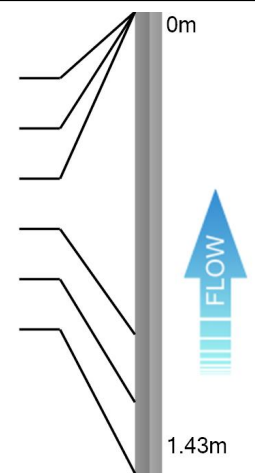
Section 3

Client:	Location (Street Name):	City/Town/Village London	Cust Job Ref.	Surveyors Name:	Date: 17-04-2020
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Start Node Ref: MH1 Branch 1	Finish Node Ref: SVP	Direction: U	Height/Dia: 100
Start Node Depth: 0.30	Finish Node Depth: 0.00	Use: C	Shape: C
Start Node Coordinate:	Finish Node Coordinate:	Material: CI	Cleaned: N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	1.43	

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	DEE	S1 Attached deposits, encrustation 12-12 10%	S1	2_2	0:00:06
01.00m	OJM	Open joint medium		2_3	0:00:10
01.21m	LUF	Line of drain/sewer deviates up [full]			0:00:19
01.43m	OCF	Finish node type, other special chamber			



Total Defects for section

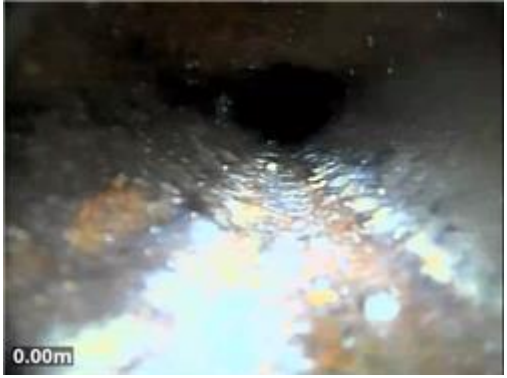



DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 3

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH1 Branch 1	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
00.00m	0:00:06	S1 DEE	Attached deposits, encrustation 0m - 1m from 12 o'clock to 12 o'clock: 10% Cross sectional area loss - Severity 3	Image Provided - Ref: 2_2 
01.00m	0:00:10	OJM	Open joint medium - Severity 3	Image Provided - Ref: 2_3 
01.21m	0:00:19	LUF	Line of drain/sewer deviates up [full]	
01.43m		OCF	Finish node type, other special chamber SVP	

Total Defects for section



DRB Grade for Section



Section 4

Client:	Location (Street Name):	City/Town/Village London	Cust Job Ref.	Surveyors Name:	Date: 17-04-2020
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Start Node Ref:	MH1 Branch 2	Finish Node Ref:	Gully 2	Direction:	U	Height/Dia:	100
Start Node Depth:	0.30	Finish Node Depth:	0.00	Use:	C	Shape:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	PVC	Cleaned:	N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	0.77	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 0%			0:00:00	
00.77m	GYF	Finish node type Gully			3_99	

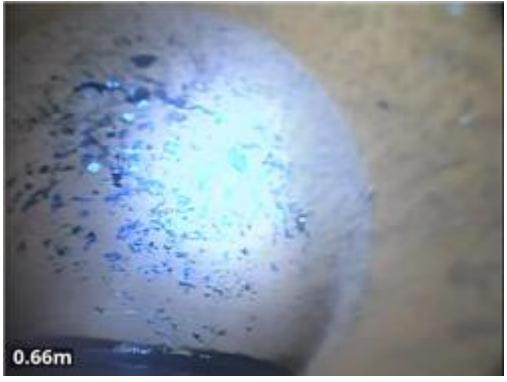
Total Defects for section

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 MH1 Branch 2	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
00.77m		GYF	Finish node type Gully Gully 2	<p>Image Provided - Ref: 3_9999</p> 

Total Defects for section



DRB Grade for Section



Section 5

Client:	Location (Street Name):	City/Town/Village London	Cust Job Ref.	Surveyors Name:	Date: 17-04-2020
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Start Node Ref:	MH1	Finish Node Ref:	MH1	Direction:	U	Height/Dia:	450
Start Node Depth:	0.45	Finish Node Depth:	0.00	Use:	C	Shape:	R
Start Node Coordinate:		Finish Node Coordinate:		Material:	BR	Cleaned:	N

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

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	
00.00m	REM	General remark			0:00:11	
00.10m	MHF	Finish node type, manhole				


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 MH1	Image Provided - Ref: 4_0 
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
00.00m	0:00:11	REM	General remark There is no interceptor trap to stop rodent or odour infiltration into the private drainage system from the local authorities sewer	
00.10m		MHF	Finish node type, manhole MH1	

Total Defects for section



DRB Grade for Section



Plan of Site

