



AquaSPEED

DRAIN SERVICES LLP

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**DRAIN CLEANING • EXCAVATION WORK • 24 HOUR CALL OUT • FAST EFFICIENT SERVICE
HIGH PRESSURE CLEANING • COLOUR CCTV SURVEYS • ELECTRONIC SONAR DRAIN TRACING**

PROPERTY ALLIANCE GROUP LTD
ALLIANCE HOUSE
UNIT 14 WESTPOINT ENTERPRISE PARK
CLARENCE AVENUE
TRAFFORD PARK
M17 1QS

24TH MAY 2021

OUR REF: PH/MJ [85544]

RE: RENAISSANCE HOTEL, BLACKFRIARS STREET, MANCHESTER, M3 2EQ

CCTV SURVEY

Following visits to the above site on 19th & 20th May 2021 to CCTV survey all drainage in the underground car park, we were unable to lift various manholes [due to being screwed down with safety locks – square head bolts, or seized down]. We were therefore unable to CCTV the branch lines in these manholes. We attempted to remove the access caps in gullies, to enable us to CCTV downstream to the manholes, however the access caps are threaded into gully outlets with square headed bolts.

Recommendations:

Return to site once the manholes are accessible for us, to enable us to CCTV survey the outstanding drainage. We expect this to take a further day to complete. Based on this the cost would be:

£580.00 + VAT

If you require any further information regarding the above, or have any queries, please do not hesitate to contact our office.

blackfriars st manchester property alliance group - CCTV Survey Report : 21/05/21

Name : AQUASPEED
 Contact : PHIL HEYES
 Location : 171 SMALLBROOK LANE
 Town : LEIGH
 Region : ENGLAND
 Postcode : WN75PZ
 Email : PHIL54321@HOTMAIL.CO.UK
 Contact Number : 07969561212
 Surveyor : PHIL HEYES
 Valid Certification No :

Client Information

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

Site Information

Name :
 Contact :
 Location :
 Town :
 Region :
 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/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



Total DRB Grades for Project



Overview

Section: 1 From: sw03 To: sw02	attended site to cctv all drains in under ground car park. we were unable to lift various manholes due to being screwed down by safety locks (square headed bolts) or seized (see drawing) therefore we was unable to cctv branches in manholes, we tried to remove access caps in gullys to cctv down stream to manholes but access caps are threaded into gully outlets by squared headed bolts. recommend return visit with special keys to attempt to remove bolts from manholes and gullys to life and cctv branches. also hydraulic manhole lifters to lift seized manholes and cctv branches minimum 1 day to complete	DRB Grade: A Pipe Size: 150 Material: Cast Iron Use: Surface Water
Section: 2 From: sw02 To: sw01	Grade A	DRB Grade: A Pipe Size: 150 Material: Cast Iron Use: Surface Water
Section: 3 From: sw03 To: sw04	Grade A	DRB Grade: A Pipe Size: 150 Material: Cast Iron Use: Surface Water
Section: 4 From: sw04 To: outfall	Grade A	DRB Grade: A Pipe Size: 225 Material: Cast Iron Use: Surface Water
Section: 5 From: sw03 To: gully01	Grade A	DRB Grade: A Pipe Size: 100 Material: Cast Iron Use: Surface Water
Section: 6 From: sw03 To: gully02	Grade A	DRB Grade: A Pipe Size: 100 Material: Cast Iron Use: Surface Water
Section: 7 From: sw03 To: gully03	Grade A	DRB Grade: A Pipe Size: 100 Material: Cast Iron Use: Surface Water

Total Defects for Project

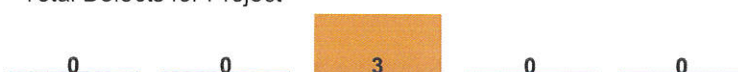


Total DRB Grades for Project



Section: 8 From: sw03 To: gully04	Grade A	DRB Grade: A Pipe Size: 100 Material: Cast Iron Use: Surface Water
Section: 9 From: sw03 To: gully05	Grade A	DRB Grade: A Pipe Size: 100 Material: Cast Iron Use: Surface Water
Section: 10 From: sw04 To: gully06	Grade A	DRB Grade: A Pipe Size: 100 Material: Cast Iron Use: Surface Water
Section: 11 From: sw04 To: gully07	Grade A	DRB Grade: A Pipe Size: 100 Material: Cast Iron Use: Surface Water
Section: 12 From: fw01 To: fw02	Grade A	DRB Grade: A Pipe Size: 150 Material: Cast Iron Use: Foul
Section: 13 From: fw01 To: svp01	possible redundant	DRB Grade: B Pipe Size: 100 Material: Cast Iron Use: Foul
Section: 14 From: sw07 To: sw06	Grade A	DRB Grade: A Pipe Size: 150 Material: Cast Iron Use: Surface Water
Section: 15 From: sw06 To: sw05	Grade A	DRB Grade: A Pipe Size: 150 Material: Cast Iron Use: Surface Water
Section: 16 From: sw07 To: sw08	Grade A	DRB Grade: A Pipe Size: 150 Material: Cast Iron Use: Surface Water

Total Defects for Project



Total DRB Grades for Project



Section: 17 From: sw08 To: gully22	Grade A	DRB Grade: A Pipe Size: 100 Material: Cast Iron Use: Surface Water
Section: 18 From: sw08 To: sw09	Grade A	DRB Grade: A Pipe Size: 225 Material: Cast Iron Use: Surface Water
Section: 19 From: sw09 To: gully23	Grade A	DRB Grade: A Pipe Size: 100 Material: Cast Iron Use: Surface Water
Section: 20 From: sw09 To: gully26	Grade A	DRB Grade: A Pipe Size: 100 Material: Cast Iron Use: Surface Water
Section: 21 From: sw09 To: outfall	Grade A	DRB Grade: A Pipe Size: 300 Material: Cast Iron Use: Surface Water
Section: 22 From: sw12 To: sw11	Grade A	DRB Grade: A Pipe Size: 150 Material: Cast Iron Use: Surface Water
Section: 23 From: sw11 To: sw10	Grade A	DRB Grade: A Pipe Size: 150 Material: Cast Iron Use: Surface Water
Section: 24 From: sw12 To: sw13	Grade A	DRB Grade: A Pipe Size: 225 Material: Cast Iron Use: Surface Water

Total Defects for Project



Total DRB Grades for Project



Section: 25 From: sw12 To: gully27	Grade A	DRB Grade: A Pipe Size: 100 Material: Cast Iron Use: Surface Water
Section: 26 From: sw12 To: gully28	Grade A	DRB Grade: A Pipe Size: 100 Material: Cast Iron Use: Surface Water
Section: 27 From: sw13 To: gully33	Grade A	DRB Grade: A Pipe Size: 100 Material: Cast Iron Use: Surface Water
Section: 28 From: sw13 To: gully32	Grade A	DRB Grade: A Pipe Size: 100 Material: Cast Iron Use: Surface Water
Section: 29 From: sw13 To: gully31	Grade A	DRB Grade: A Pipe Size: 100 Material: Cast Iron Use: Surface Water
Section: 30 From: sw13 To: outfall	Grade A	DRB Grade: A Pipe Size: 225 Material: Cast Iron Use: Surface Water
Section: 31 From: sw13 To: gully30	Grade A	DRB Grade: A Pipe Size: 100 Material: Cast Iron Use: Surface Water

Total Defects for Project



Total DRB Grades for Project



Site: ,

Section 1

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
				PHIL HEYES	21/05/2021

Start Node Ref:	sw03	Finish Node Ref:	sw02	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:	Cl	Cleaned	N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	7.77	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	Water level 0%			0:00:00
07.77m	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 1

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole sw03	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
07.77m		MHF	Finish node type, manhole sw02	

Total Defects for section



DRB Grade for Section



Site: ,

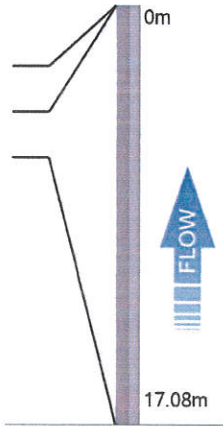
Section 2

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
				PHIL HEYES	21/05/2021

Start Node Ref:	sw02	Finish Node Ref:	sw01	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:	CI	Cleaned	N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	17.08	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 0%			0:00:00	
17.08m	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 2

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole sw02	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
17.08m		MHF	Finish node type, manhole sw01	

Total Defects for section

0 0 0 0 0

DRB Grade for Section



Site: ,

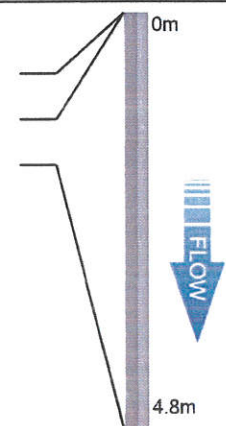
Section 3

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
				PHIL HEYES	21/05/2021

Start Node Ref:	sw03	Finish Node Ref:	sw04	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:	Cl	Cleaned	N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				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	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 3

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole sw03	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
04.80m		MHF	Finish node type, manhole sw04	

Total Defects for section



DRB Grade for Section



Site: ,

Section 4

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
				PHIL HEYES	21/05/2021

Start Node Ref:	sw04	Finish Node Ref:	outfall	Direction:	D	Height/Dia:	225
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	S	Shape:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	Cl	Cleaned	N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	9.94	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	Water level 0%			0:00:00
09.94m	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 4

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole sw04	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
09.94m		MHF	Finish node type, manhole outfall / river	

Total Defects for section

0 0 0 0 0

DRB Grade for Section



Site: ,

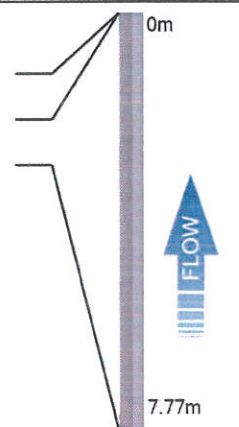
Section 5

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
				PHIL HEYES	21/05/2021

Start Node Ref:	sw03	Finish Node Ref:	gully01	Direction:	U	Height/Dia:	100
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	S	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	7.77	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 0%			0:00:00	
07.77m	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 5

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole sw03	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
07.77m		MHF	Finish node type, manhole gully01	

Total Defects for section

0 0 0 0 0

DRB Grade for Section



Site: ,

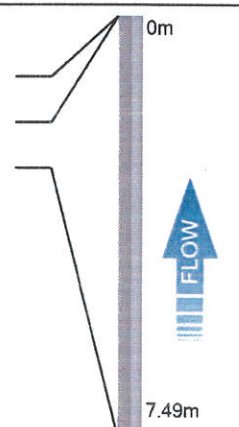
Section 6

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
				PHIL HEYES	21/05/2021

Start Node Ref:	sw03	Finish Node Ref:	gully02	Direction:	U	Height/Dia:	100
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	S	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	7.49	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	Water level 0%			0:00:00
07.49m	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 6

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole sw03	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
07.49m		MHF	Finish node type, manhole gully02	

Total Defects for section



DRB Grade for Section



Site: ,

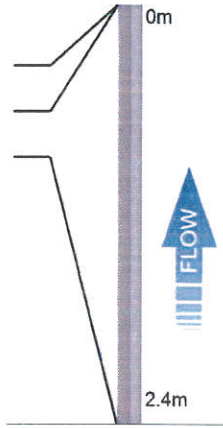
Section 7

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
				PHIL HEYES	21/05/2021

Start Node Ref:	sw03	Finish Node Ref:	gully03	Direction:	U	Height/Dia:	100
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	S	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	2.4	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 0%			0:00:00	
02.40m	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 7

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole sw03	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
02.40m		MHF	Finish node type, manhole gully03	

Total Defects for section



DRB Grade for Section



Site: ,

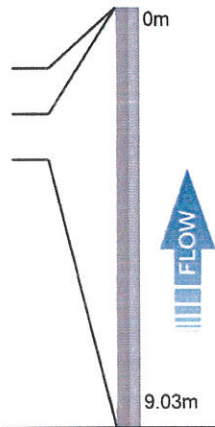
Section 8

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
				PHIL HEYES	21/05/2021

Start Node Ref:	sw03	Finish Node Ref:	gully04	Direction:	U	Height/Dia:	100
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	S	Shape:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	Cl	Cleaned	N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	9.03	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	Water level 0%			0:00:00
09.03m	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 8

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole sw03	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
09.03m		MHF	Finish node type, manhole gully04	

Total Defects for section



DRB Grade for Section



Site: ,

Section 9

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
				PHIL HEYES	21/05/2021

Start Node Ref:	sw03	Finish Node Ref:	guly05	Direction:	U	Height/Dia:	100
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	S	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	6.24	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 0%			0:00:00	
06.24m	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 sw03	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
06.24m		MHF	Finish node type, manhole guly05	

Total Defects for section



DRB Grade for Section



Site: ,

Section 10

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
				PHIL HEYES	21/05/2021

Start Node Ref:	sw04	Finish Node Ref:	gully06	Direction:	U	Height/Dia:	100
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	S	Shape:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	Cl	Cleaned	N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	6.62	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 0%			0:00:00	
06.62m	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 10

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole sw04	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
06.62m		MHF	Finish node type, manhole gully06	

Total Defects for section



DRB Grade for Section



Site: ,

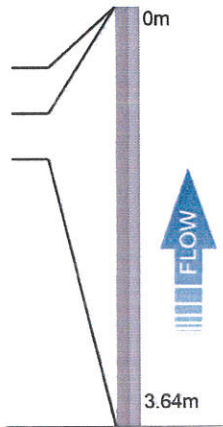
Section 11

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
				PHIL HEYES	21/05/2021

Start Node Ref:	sw04	Finish Node Ref:	gully07	Direction:	U	Height/Dia:	100
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	S	Shape:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	Cl	Cleaned	N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	3.64	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	Water level 0%			0:00:00
03.64m	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 11

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole sw04	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
03.64m		MHF	Finish node type, manhole gully07	

Total Defects for section



DRB Grade for Section



Site: ,

Section 12

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
				PHIL HEYES	21/05/2021

Start Node Ref:	fw01	Finish Node Ref:	fw02	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:	CI	Cleaned	N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	7.7	

Position Code Description

CD Pic Video Ref

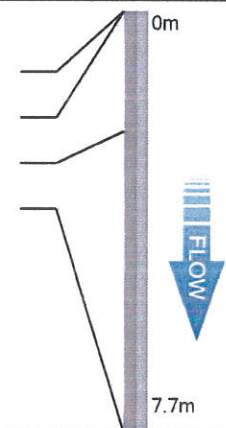
00.00m MH Start node type, manhole

00.00m WL Water level 0%

0:00:00

02.20m LRH Line of drain/sewer deviates right [half]

07.70m 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 12

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole fw01	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
02.20m		LRH	Line of drain/sewer deviates right [half]	
07.70m		MHF	Finish node type, manhole fw02	

Total Defects for section



DRB Grade for Section



Site: ,

Section 13

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
				PHIL HEYES	21/05/2021

Start Node Ref:	fw01	Finish Node Ref:	svp01	Direction:	U	Height/Dia:	100
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	F	Shape:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	Cl	Cleaned	N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	6.04	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 0%			0:00:00	
00.30m	DEE	Attached deposits, encrustation 0 20%				
02.00m	DEE	Attached deposits, encrustation 0 20%				
06.00m	DEE	Attached deposits, encrustation 0 40%				
06.04m	MHF	Finish node type, manhole				

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 fw01	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
00.30m		DEE	Attached deposits, encrustation: 20% Cross sectional area loss - Severity 3	
02.00m		DEE	Attached deposits, encrustation: 20% Cross sectional area loss - Severity 3	
06.00m		DEE	Attached deposits, encrustation: 40% Cross sectional area loss - Severity 3	
06.04m		MHF	Finish node type, manhole svp01	

Total Defects for section



DRB Grade for Section



Site: ,

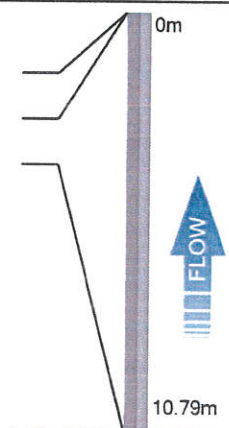
Section 14

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref:	Surveyors Name:	Date:
				PHIL HEYES	21/05/2021

Start Node Ref:	sw07	Finish Node Ref:	sw06	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:	CI	Cleaned	N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	10.79	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	Water level 0%			0:00:00
10.79m	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 14

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole sw07	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
10.79m		MHF	Finish node type, manhole sw06	

Total Defects for section

0 0 0 0 0

DRB Grade for Section



Site: ,

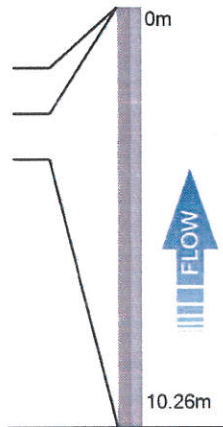
Section 15

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
				PHIL HEYES	21/05/2021

Start Node Ref:	sw06	Finish Node Ref:	sw05	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:	CI	Cleaned	N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	10.26	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	Water level 0%			0:00:00
10.26m	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 15

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole sw06	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
10.26m		MHF	Finish node type, manhole sw05	

Total Defects for section



DRB Grade for Section



Site: ,

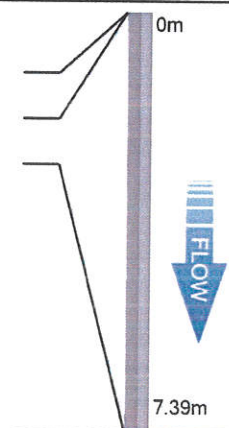
Section 16

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
				PHIL HEYES	21/05/2021

Start Node Ref:	sw07	Finish Node Ref:	sw08	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:	CI	Cleaned	N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	7.39	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	Water level 0%			0:00:00
07.39m	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 16

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole sw07	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
07.39m		MHF	Finish node type, manhole sw08	

Total Defects for section

0 0 0 0 0

DRB Grade for Section



Site: ,

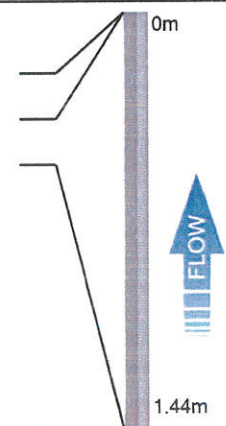
Section 17

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
				PHIL HEYES	21/05/2021

Start Node Ref:	sw08	Finish Node Ref:	gully22	Direction:	U	Height/Dia:	100
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	S	Shape:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	Cl	Cleaned	N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	1.44	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	Water level 0%			0:00:00
01.44m	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 17

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole sw08	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
01.44m		MHF	Finish node type, manhole gully22	

Total Defects for section



DRB Grade for Section



Site: ,

Section 18

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
				PHIL HEYES	21/05/2021

Start Node Ref:	sw08	Finish Node Ref:	sw09	Direction:	D	Height/Dia:	225
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	S	Shape:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	Cl	Cleaned	N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	12.9	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 0%			0:00:00	
12.90m	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 18

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole sw08	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
12.90m		MHF	Finish node type, manhole sw09	

Total Defects for section



DRB Grade for Section



Site: ,

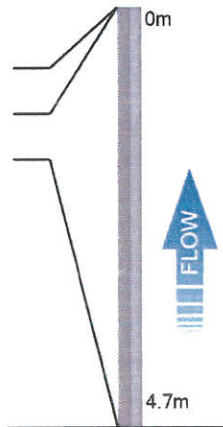
Section 19

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
				PHIL HEYES	21/05/2021

Start Node Ref:	sw09	Finish Node Ref:	gully23	Direction:	U	Height/Dia:	100
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	S	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	4.7	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 0%			0:00:00	
04.70m	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 19

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole sw09	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
04.70m		MHF	Finish node type, manhole gully26	

Total Defects for section



DRB Grade for Section



Site: ,

Section 20

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
				PHIL HEYES	21/05/2021

Start Node Ref:	sw09	Finish Node Ref:	gully26	Direction:	U	Height/Dia:	100
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	S	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	4.32	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	Water level 0%			0:00:00
04.32m	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 20

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole sw09	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
04.32m		MHF	Finish node type, manhole gully26	

Total Defects for section



DRB Grade for Section



Site: ,

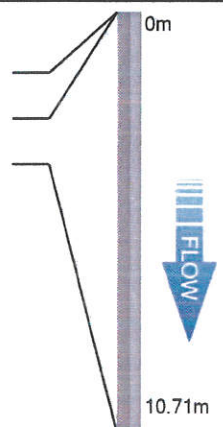
Section 21

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
				PHIL HEYES	21/05/2021

Start Node Ref:	sw09	Finish Node Ref:	outfall	Direction:	D	Height/Dia:	300
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	S	Shape:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	Cl	Cleaned	N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	10.71	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 0%			0:00:00	
10.71m	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 21

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole sw09	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
10.71m		MHF	Finish node type, manhole outfall / river	

Total Defects for section



DRB Grade for Section



Site: ,

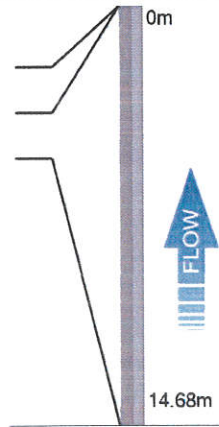
Section 22

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
				PHIL HEYES	21/05/2021

Start Node Ref:	sw12	Finish Node Ref:	sw11	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:	Cl	Cleaned	N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	14.68	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	Water level 0%			0:00:00
14.68m	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 22

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole sw12	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
14.68m		MHF	Finish node type, manhole sw11	

Total Defects for section



DRB Grade for Section



Site: ,

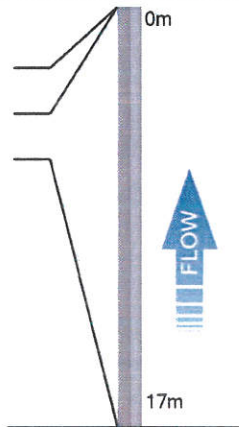
Section 23

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
				PHIL HEYES	21/05/2021

Start Node Ref:	sw11	Finish Node Ref:	sw10	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:	CI	Cleaned	N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	17	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 0%			0:00:00	
17.00m	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 23

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole sw11	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
17.00m		MHF	Finish node type, manhole sw10	

Total Defects for section



DRB Grade for Section



Site: ,

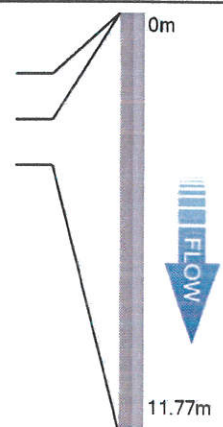
Section 24

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
				PHIL HEYES	21/05/2021

Start Node Ref:	sw12	Finish Node Ref:	sw13	Direction:	D	Height/Dia:	225
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	S	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	11.77	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	Water level 0%			0:00:00
11.77m	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 24

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole sw12	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
11.77m		MHF	Finish node type, manhole sw13	

Total Defects for section



DRB Grade for Section



Site: ,

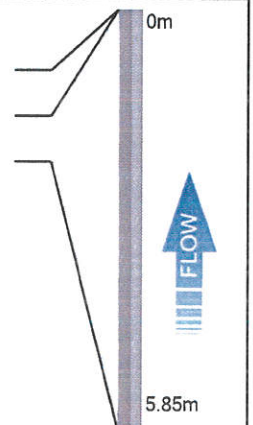
Section 25

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
				PHIL HEYES	21/05/2021

Start Node Ref:	sw12	Finish Node Ref:	gully27	Direction:	U	Height/Dia:	100
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	S	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	5.85	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 0%			0:00:00	
05.85m	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 25

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole sw12	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
05.85m		MHF	Finish node type, manhole gully27	

Total Defects for section



DRB Grade for Section



Site: ,

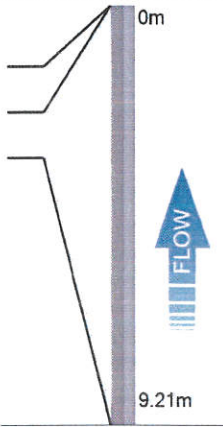
Section 26

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
				PHIL HEYES	21/05/2021

Start Node Ref:	sw12	Finish Node Ref:	gully28	Direction:	U	Height/Dia:	100
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	S	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	9.21	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 0%			0:00:00	
09.21m	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 26

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole sw12	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
09.21m		MHF	Finish node type, manhole gully28	

Total Defects for section



DRB Grade for Section



Site: ,

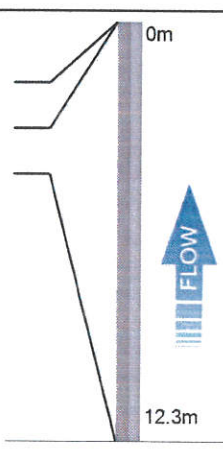
Section 27

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
				PHIL HEYES	21/05/2021

Start Node Ref:	sw13	Finish Node Ref:	gully33	Direction:	U	Height/Dia:	100
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	S	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	12.3	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 0%			0:00:00	
12.30m	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 27

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole sw13	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
12.30m		MHF	Finish node type, manhole gully23	

Total Defects for section



DRB Grade for Section



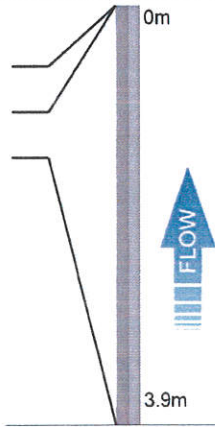
Site: ,

Section 28

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name: PHIL HEYES	Date: 21/05/2021
Start Node Ref:	sw13	Finish Node Ref:	gully32	Direction: U	Height/Dia: 100
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use: S	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	3.9	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole			
00.00m	WL	Water level 0%			0:00:00
03.90m	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 28

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole sw13	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
03.90m		MHF	Finish node type, manhole gully32	

Total Defects for section



DRB Grade for Section



Site: ,

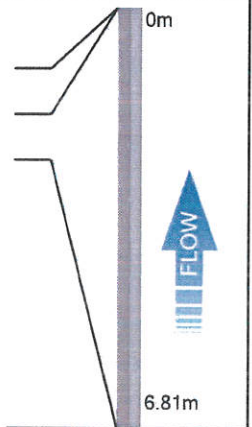
Section 29

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
				PHIL HEYES	21/05/2021

Start Node Ref:	sw13	Finish Node Ref:	gully31	Direction:	U	Height/Dia:	100
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	S	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	6.81	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole				
00.00m	WL	Water level 0%			0:00:00	
06.81m	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 29

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole sw13	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
06.81m		MHF	Finish node type, manhole gully31	

Total Defects for section

0 0 0 0 0

DRB Grade for Section



Site: ,

Section 30

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name:	Date:
				PHIL HEYES	21/05/2021

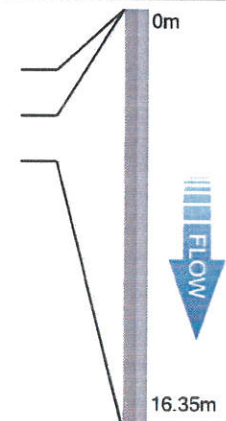
Start Node Ref:	sw13	Finish Node Ref:	outfall	Direction:	D	Height/Dia:	225
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	S	Shape:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	CI	Cleaned	N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	16.35	

Position	Code	Description
00.00m	MH	Start node type, manhole
00.00m	WL	Water level 0%
16.35m	MHF	Finish node type, manhole

CD Pic Video Ref

0:00:00



Total Defects for section

DRB Grade for Section

0	0	0	0	0
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Descriptive Report with Remarks and Observation Images

Section 30

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole sw13	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
16.35m		MHF	Finish node type, manhole outfall	

Total Defects for section

0 0 0 0 0

DRB Grade for Section



Site: ,

Section 31

Client:	Location (Street Name):	City/Town/Village:	Cust Job Ref:	Surveyors Name:	Date:
				PHIL HEYES	21/05/2021

Start Node Ref:	sw13	Finish Node Ref:	gully30	Direction:	U	Height/Dia:	100
Start Node Depth:	0.00	Finish Node Depth:	0.00	Use:	S	Shape:	C
Start Node Coordinate:		Finish Node Coordinate:		Material:	Cl	Cleaned	N

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

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	MHF	Finish node type, manhole				—

0m

0m

Total Defects for section

DRB Grade for Section

0

0

0

0

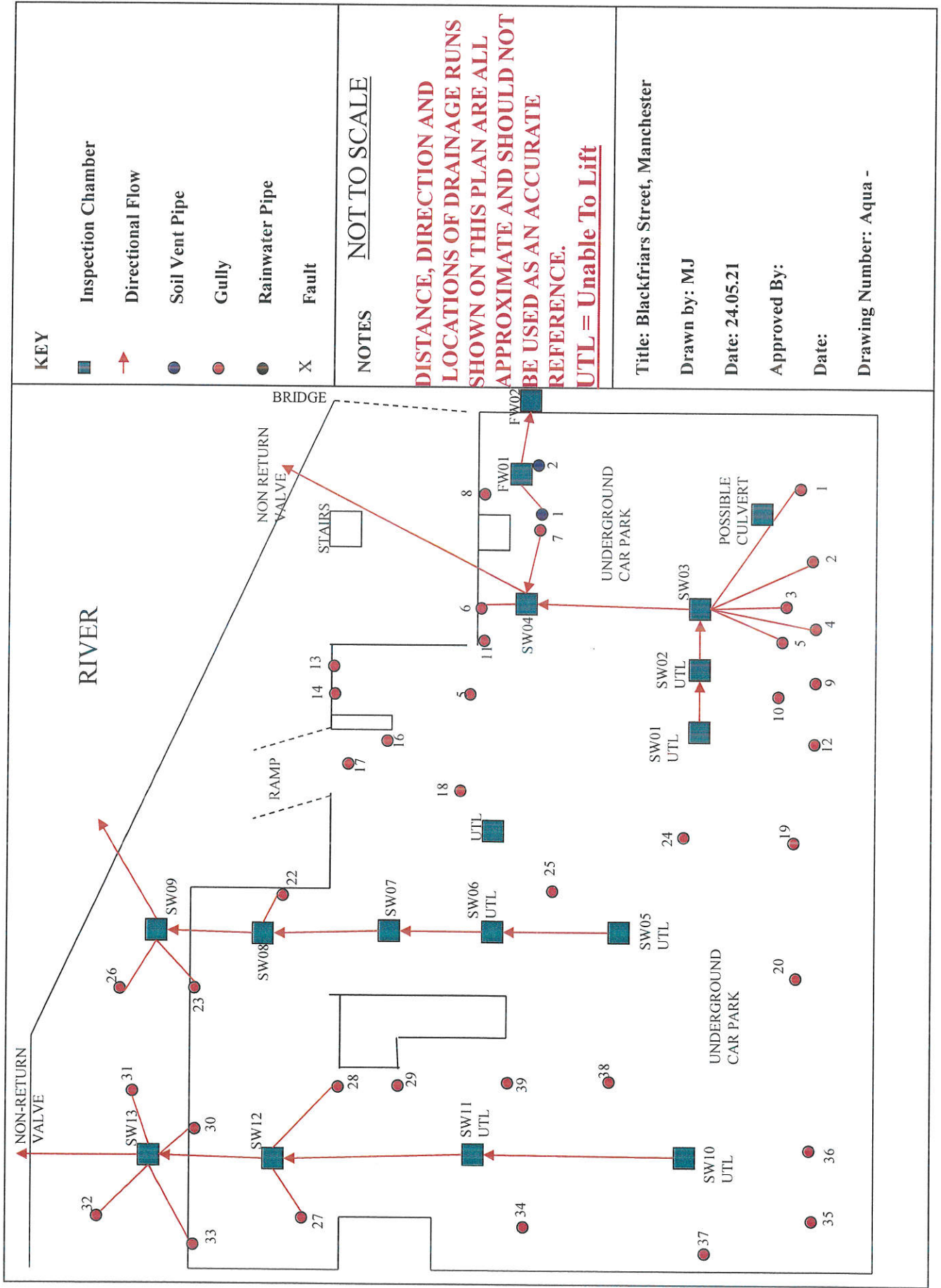
0



Descriptive Report with Remarks and Observation Images

Section 31

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole sw13	
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
00.00m		MHF	Finish node type, manhole gully30	



Project Details

Site Address	Blackfraier st
Town / City	Manchester
Post Code	
Date	03-06-2021
Customer / Client	Alllaine property group

Manhole Report

MH (Node) Reference: SW03	Date: 03-06-2021
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Location: Car park		Location Type: Difficult Access	
Function: Surface		Node Type: MH - Manhole	Status: PR - Private
Latitude:	Longitude:	Year Installed: Z - Others	Area Code:

LEVELS	Depth (m): 0.9	Cover Level (m):	Invert Level (m):
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COVER	Shape: S - Square	Hinged? ☐	Dimension 1:
	Duty: Heavy	Locked? ☐	Dimension 2:

CHAMBER				
Construction: Brick	Access:	Access Shaft? ☐	Reducing Slab? ☐	Landing Slab? ☐
Chamber Dimensions	Dimension 1 (Dia.):	Shaft Dimensions(if present)		Dimension 1 (Dia.):
	Dimension 2:			Dimension 2:
Flow Depth (mm):	Sluice Gate? ☐	Grating? ☐	Penstock? ☐	
Silt Depth (mm):	Flap Valve? ☐	Headwall? ☐	Screens? ☐	
Surcharge Level (mm):	Orifice? ☐	Flume? ☐	Weir? ☐	

Condition	Cover	Shaft	Step Irons/Ladders	Chamber	Benching	Half Channel
Good	☒	☒	☒	☒	☒	☒
Fair	☐	☐	☐	☐	☐	☐
Poor	☐	☐	☐	☐	☐	☐
Not Present	☐	☐	☐	☐	☐	☐

INCOMING PIPES

Letter	Upstream Ref.	Pipe Shape	Height (Dia.)		Width	Pipe Material	Lining Material	Depth (m)
A	SW02	Circular	150	x		CI - Cast Iron	Not present	
B	GULLY01	Circular	100	x		CI - Cast Iron	Not present	
C	GULLY02	Circular	100	x		CI - Cast Iron	Not present	
D	GULLY03	Circular	100	x		CI - Cast Iron	Not present	
E	GULLY04	Circular	100	x		CI - Cast Iron	Not present	
F	GULLY05	Circular	100	x		CI - Cast Iron	Not present	

OUTGOING PIPES

Letter	Downstream Ref.	Pipe Shape	Height (Dia.)		Width	Pipe Material	Lining Material	Depth (m)
Y	SW04	Circular	150	x		CI - Cast Iron	Not present	

Evidence of misconnection? ☐

Manhole Images

Additional Notes and/or Recommendations

Manhole Report

MH (Node) Reference: SW04	Date: 03-06-2021
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Location: Car park		Location Type: Difficult Access					
Function: Surface		Node Type: MH - Manhole		Status: PR - Private			
Latitude:		Longitude:		Year Installed:		Area Code:	

LEVELS	Depth (m): 1.05	Cover Level (m):	Invert Level (m):
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COVER	Shape: S - Square	Hinged? ☐	Dimension 1:
	Duty: Heavy	Locked? ☐	Dimension 2:

CHAMBER							
Construction: Brick		Access:	Access Shaft? ☐		Reducing Slab? ☐		Landing Slab? ☐
Chamber Dimensions		Dimension 1 (Dia.):		Shaft Dimensions(if present)		Dimension 1 (Dia.):	
		Dimension 2:				Dimension 2:	
Flow Depth (mm):			Sluice Gate? ☐		Grating? ☐		Penstock? ☐
Silt Depth (mm):			Flap Valve? ☐		Headwall? ☐		Screens? ☐
Surcharge Level (mm):			Orifice? ☐		Flume? ☐		Weir? ☐

Condition	Cover	Shaft	Step Irons/Ladders	Chamber	Benching	Half Channel
Good	☒	☒	☒	☒	☒	☒
Fair	☐	☐	☐	☐	☐	☐
Poor	☐	☐	☐	☐	☐	☐
Not Present	☐	☐	☐	☐	☐	☐

INCOMING PIPES

Letter	Upstream Ref.	Pipe Shape	Height (Dia.)		Width	Pipe Material	Lining Material	Depth (m)
A	SW03	Circular	150	x		CI - Cast Iron	Not present	
B	GULLY06	Circular	100	x		CI - Cast Iron	Not present	
C	GULLY07	Circular	100	x		CI - Cast Iron	Not present	

OUTGOING PIPES

Letter	Downstream Ref.	Pipe Shape	Height (Dia.)		Width	Pipe Material	Lining Material	Depth (m)
Y	RIVER	Circular	225	x		CI - Cast Iron	Not present	

Evidence of misconnection? ☐

Manhole Images

Additional Notes and/or Recommendations

Manhole Report

MH (Node) Reference: FW02	Date: 03-06-2021
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Location: Car park		Location Type: Difficult Access	
Function: Foul	Node Type: MH - Manhole		Status: PR - Private
Latitude:	Longitude:	Year Installed:	Area Code:

LEVELS	Depth (m): 1.62	Cover Level (m):	Invert Level (m):
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COVER	Shape: S - Square	Hinged? ☐	Dimension 1:
	Duty: Heavy	Locked? ☐	Dimension 2:

CHAMBER				
Construction: Others	Access:	Access Shaft? ☐	Reducing Slab? ☐	Landing Slab? ☐
Chamber Dimensions	Dimension 1 (Dia.):	Shaft Dimensions(if present)		Dimension 1 (Dia.):
	Dimension 2:			Dimension 2:
Flow Depth (mm):	Sluice Gate? ☐	Grating? ☐	Penstock? ☐	
Silt Depth (mm):	Flap Valve? ☐	Headwall? ☐	Screens? ☐	
Surcharge Level (mm):	Orifice? ☐	Flume? ☐	Weir? ☐	

Condition	Cover	Shaft	Step Irons/Ladders	Chamber	Benching	Half Channel
Good	☒	☒	☒	☒	☒	☒
Fair	☐	☐	☐	☐	☐	☐
Poor	☐	☐	☐	☐	☐	☐
Not Present	☐	☐	☐	☐	☐	☐

INCOMING PIPES

Letter	Upstream Ref.	Pipe Shape	Height (Dia.)		Width	Pipe Material	Lining Material	Depth (m)
A	SVP01	Circular	100	x		CI - Cast Iron	Not present	
B	SVP02	Circular	150	x		CI - Cast Iron	Not present	

OUTGOING PIPES

Letter	Downstream Ref.	Pipe Shape	Height (Dia.)		Width	Pipe Material	Lining Material	Depth (m)
Y	FW02	Circular	150	x		VC - Vitrified Clay	Not present	

Evidence of misconnection? ☐

Manhole Images

Additional Notes and/or Recommendations
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Manhole Report

MH (Node) Reference: SW07	Date: 03-06-2021
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Location: Car park		Location Type: Difficult Access			
Function: Surface		Node Type: MH - Manhole		Status: PR - Private	
Latitude:	Longitude:		Year Installed:		Area Code:

LEVELS	Depth (m): 0.75	Cover Level (m):	Invert Level (m):
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COVER	Shape: S - Square	Hinged? ☐	Dimension 1:
	Duty: Heavy	Locked? ☐	Dimension 2:

CHAMBER					
Construction: Brick		Access:	Access Shaft? ☐	Reducing Slab? ☐	Landing Slab? ☐
Chamber Dimensions	Dimension 1 (Dia.):		Shaft Dimensions(if present)		Dimension 1 (Dia.):
	Dimension 2:				Dimension 2:
Flow Depth (mm):		Sluice Gate? ☐		Grating? ☐	Penstock? ☐
Silt Depth (mm):		Flap Valve? ☐		Headwall? ☐	Screens? ☐
Surcharge Level (mm):		Orifice? ☐		Flume? ☐	Weir? ☐

Condition	Cover	Shaft	Step Irons/Ladders	Chamber	Benching	Half Channel
Good	☒	☒	☒	☒	☒	☒
Fair	☐	☐	☐	☐	☐	☐
Poor	☐	☐	☐	☐	☐	☐
Not Present	☐	☐	☐	☐	☐	☐

INCOMING PIPES

Letter	Upstream Ref.	Pipe Shape	Height (Dia.)		Width	Pipe Material	Lining Material	Depth (m)
A	SW06	Circular	150	x		VC - Vitrified Clay	Not present	
		Circular		x		VC - Vitrified Clay	Not present	

OUTGOING PIPES

Letter	Downstream Ref.	Pipe Shape	Height (Dia.)		Width	Pipe Material	Lining Material	Depth (m)
X	SW08	Circular	225	x		VC - Vitrified Clay	Not present	

Evidence of misconnection? ☐

Manhole Images

Additional Notes and/or Recommendations
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Manhole Report

MH (Node) Reference: SW08	Date: 03-06-2021
---------------------------	------------------

Location: Car park		Location Type: Difficult Access					
Function: Surface		Node Type: MH - Manhole		Status: PR - Private			
Latitude:		Longitude:		Year Installed:		Area Code:	

LEVELS	Depth (m): 1.1	Cover Level (m):	Invert Level (m):
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COVER	Shape: S - Square	Hinged? ☐	Dimension 1:
	Duty: Heavy	Locked? ☐	Dimension 2:

CHAMBER									
Construction: Brick		Access:		Access Shaft? ☐		Reducing Slab? ☐		Landing Slab? ☐	
Chamber Dimensions		Dimension 1 (Dia.):		Shaft Dimensions(if present)				Dimension 1 (Dia.):	
		Dimension 2:						Dimension 2:	
Flow Depth (mm):			Sluice Gate? ☐			Grating? ☐		Penstock? ☐	
Silt Depth (mm):			Flap Valve? ☐			Headwall? ☐		Screens? ☐	
Surcharge Level (mm):			Orifice? ☐			Flume? ☐		Weir? ☐	

Condition	Cover	Shaft	Step Irons/Ladders	Chamber	Benching	Half Channel
Good	☒	☒	☒	☒	☒	☒
Fair	☐	☐	☐	☐	☐	☐
Poor	☐	☐	☐	☐	☐	☐
Not Present	☐	☐	☐	☐	☐	☐

INCOMING PIPES

Letter	Upstream Ref.	Pipe Shape	Height (Dia.)		Width	Pipe Material	Lining Material	Depth (m)
A	SW07	Circular	225	x		CI - Cast Iron	Not present	
B	GULLY22	Circular	100	x		CI - Cast Iron	Not present	

OUTGOING PIPES

Letter	Downstream Ref.	Pipe Shape	Height (Dia.)		Width	Pipe Material	Lining Material	Depth (m)
Y	SW09	Circular	225	x		CI - Cast Iron	Not present	

Evidence of misconnection? ☐

Manhole Images

Additional Notes and/or Recommendations
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Manhole Report

MH (Node) Reference: SW09	Date: 07-06-2021
---------------------------	------------------

Location: Walk way		Location Type: Difficult Access					
Function: Surface		Node Type: MH - Manhole		Status: PR - Private			
Latitude:		Longitude:		Year Installed:		Area Code:	

LEVELS	Depth (m): 1.1	Cover Level (m):	Invert Level (m):
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COVER	Shape: S - Square	Hinged? ☐	Dimension 1:
	Duty: Heavy	Locked? ☐	Dimension 2:

CHAMBER									
Construction: Brick		Access:		Access Shaft? ☐		Reducing Slab? ☐		Landing Slab? ☐	
Chamber Dimensions		Dimension 1 (Dia.):		Shaft Dimensions(if present)				Dimension 1 (Dia.):	
		Dimension 2:						Dimension 2:	
Flow Depth (mm):			Sluice Gate? ☐			Grating? ☐		Penstock? ☐	
Silt Depth (mm):			Flap Valve? ☐			Headwall? ☐		Screens? ☐	
Surcharge Level (mm):			Orifice? ☐			Flume? ☐		Weir? ☐	

Condition	Cover	Shaft	Step Irons/Ladders	Chamber	Benching	Half Channel
Good	☒	☒	☒	☒	☒	☒
Fair	☐	☐	☐	☐	☐	☐
Poor	☐	☐	☐	☐	☐	☐
Not Present	☐	☐	☐	☐	☐	☐

INCOMING PIPES

Letter	Upstream Ref.	Pipe Shape	Height (Dia.)		Width	Pipe Material	Lining Material	Depth (m)
A	SW08	Circular	225	x		CI - Cast Iron	Not present	
B	GULLY23	Circular	100	x		CI - Cast Iron	Not present	
B	GULLY26	Circular	100	x		CI - Cast Iron	Not present	

OUTGOING PIPES

Letter	Downstream Ref.	Pipe Shape	Height (Dia.)		Width	Pipe Material	Lining Material	Depth (m)
Y	RIVER	Circular	300	x		CI - Cast Iron	Not present	

Evidence of misconnection? ☐

Manhole Images

Additional Notes and/or Recommendations

Manhole Report

MH (Node) Reference: SW12	Date: 08-06-2021
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Location: Car park		Location Type: Difficult Access					
Function: Surface		Node Type: MH - Manhole		Status: PR - Private			
Latitude:		Longitude:		Year Installed:		Area Code:	

LEVELS	Depth (m): 0.85	Cover Level (m):	Invert Level (m):
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COVER	Shape: C - Circular	Hinged? ☐	Dimension 1:
	Duty: Heavy	Locked? ☐	Dimension 2:

CHAMBER									
Construction: Brick		Access:		Access Shaft? ☐		Reducing Slab? ☐		Landing Slab? ☐	
Chamber Dimensions		Dimension 1 (Dia.):		Shaft Dimensions(if present)				Dimension 1 (Dia.):	
		Dimension 2:						Dimension 2:	
Flow Depth (mm):			Sluice Gate? ☐			Grating? ☐		Penstock? ☐	
Silt Depth (mm):			Flap Valve? ☐			Headwall? ☐		Screens? ☐	
Surcharge Level (mm):			Orifice? ☐			Flume? ☐		Weir? ☐	

Condition	Cover	Shaft	Step Irons/Ladders	Chamber	Benching	Half Channel
Good	☒	☒	☒	☒	☒	☒
Fair	☐	☐	☐	☐	☐	☐
Poor	☐	☐	☐	☐	☐	☐
Not Present	☐	☐	☐	☐	☐	☐

INCOMING PIPES

Letter	Upstream Ref.	Pipe Shape	Height (Dia.)		Width	Pipe Material	Lining Material	Depth (m)
A	SW12	Circular	150	x		CI - Cast Iron	Not present	
B	GULLY27	Circular	100	x		CI - Cast Iron	Not present	
B	GULLY28	Circular	100	x		CI - Cast Iron	Not present	

OUTGOING PIPES

Letter	Downstream Ref.	Pipe Shape	Height (Dia.)		Width	Pipe Material	Lining Material	Depth (m)
Y	SW13	Circular	225	x		CI - Cast Iron	Not present	

Evidence of misconnection? ☐

Manhole Images

Additional Notes and/or Recommendations

Manhole Report

MH (Node) Reference: SW13	Date: 08-06-2021
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Location: Walk way		Location Type: Difficult Access					
Function: Surface		Node Type: MH - Manhole		Status: PR - Private			
Latitude:		Longitude:		Year Installed:		Area Code:	

LEVELS	Depth (m): 0.85	Cover Level (m):	Invert Level (m):
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COVER	Shape: S - Square	Hinged? ☐	Dimension 1:
	Duty: Heavy	Locked? ☐	Dimension 2:

CHAMBER							
Construction: Brick		Access:	Access Shaft? ☐		Reducing Slab? ☐		Landing Slab? ☐
Chamber Dimensions		Dimension 1 (Dia.):		Shaft Dimensions(if present)		Dimension 1 (Dia.):	
		Dimension 2:				Dimension 2:	
Flow Depth (mm):			Sluice Gate? ☐		Grating? ☐		Penstock? ☐
Silt Depth (mm):			Flap Valve? ☐		Headwall? ☐		Screens? ☐
Surcharge Level (mm):			Orifice? ☐		Flume? ☐		Weir? ☐

Condition	Cover	Shaft	Step Irons/Ladders	Chamber	Benching	Half Channel
Good	☒	☒	☒	☒	☒	☒
Fair	☐	☐	☐	☐	☐	☐
Poor	☐	☐	☐	☐	☐	☐
Not Present	☐	☐	☐	☐	☐	☐

INCOMING PIPES

Letter	Upstream Ref.	Pipe Shape	Height (Dia.)		Width	Pipe Material	Lining Material	Depth (m)
A	SW12	Circular	225	x		CI - Cast Iron	Not present	
B	GULLY33	Circular	100	x		CI - Cast Iron	Not present	
C	GULLY 32	Circular	100	x		CI - Cast Iron	Not present	
C	GULLY31	Circular	100	x		CI - Cast Iron	Not present	
D	GULLY30	Circular	100	x		CI - Cast Iron	Not present	

OUTGOING PIPES

Letter	Downstream Ref.	Pipe Shape	Height (Dia.)		Width	Pipe Material	Lining Material	Depth (m)
Y	RIVER	Circular	225	x		CI - Cast Iron	Not present	
		Circular		x		VC - Vitrified Clay	Not present	

Evidence of misconnection? ☐

Manhole Images

Additional Notes and/or Recommendations