

Drainage Report



Prepared For
N D Civils
Unit 1, Hillfield
Sower Carr Lane
Hambleton, Poulton-le-Fylde
FY6 9DJ

Site
Tyson Site
Barlow Moor Rd
Chorlton
Manchester
M21 8ER



PIPESCAN LTD
Surveyor:
pipescan@btconnect.com
01253 811181

Total Defects for Project



Total DRB Grades for Project





Tyson Stie Barlow Moor Road - CCTV Survey Report : 04/08/22

Name :	PIPESCAN LTD
Contact :	M Glover
Location :	41 Pilling Lane
Town :	Poulton-le-fylde
Region :	Lancashire
Postcode :	FY6 0EX
Email :	pipescan@btconnect.com
Contact Number :	01253 811181
Surveyor :	
Valid Certification No :	

Client Information

Name :	N D Civils
Contact :	Rob Gerrard
Location :	Unit 1, Hillfield
Town :	Sower Carr Lane
Region :	Hambleton, Poulton-le-Fylde
Postcode :	FY6 9DJ
Tel :	
Mobile :	
Email :	
Fax :	

Site Information

Name :	Tyson Site
Contact :	Rob Gerrard
Location :	Barlow Moor Rd
Town :	Chorlton
Region :	Manchester
Postcode :	M21 8ER
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: FMH01 To: FMH03	Grade A	DRB Grade: A Pipe Size: 150 Material: Polyvinyl Chloride Use: Foul
Section: 2 From: FMH03 To: FMH04	Grade A	DRB Grade: A Pipe Size: 150 Material: Polyvinyl Chloride Use: Foul
Section: 3 From: FMH04 To: FMH05	Grade A	DRB Grade: A Pipe Size: 150 Material: Polyvinyl Chloride Use: Foul
Section: 4 From: FMH04 To: IC	Grade A	DRB Grade: A Pipe Size: 100 Material: Polyvinyl Chloride Use: Foul
Section: 5 From: FMH05 To: FMH08	Grade A	DRB Grade: A Pipe Size: 150 Material: Polyvinyl Chloride Use: Foul
Section: 6 From: FMH06 To: FMH07	Grade A	DRB Grade: A Pipe Size: 150 Material: Polyvinyl Chloride Use: Foul
Section: 7 From: FMH08 To: MH15	Grade A	DRB Grade: A Pipe Size: 150 Material: Polyvinyl Chloride Use: Foul
Section: 8 From: FMH07 To: ExMH2 (PS)	Grade A	DRB Grade: A Pipe Size: 150 Material: Polyvinyl Chloride Use: Foul

Total Defects for Project



Total DRB Grades for Project





Section: 9 From: FMH10 To: FMH06	Grade A	DRB Grade: A Pipe Size: 100 Material: Polyvinyl Chloride Use: Foul
Section: 10 From: MH15 To: Public Sewer	Grade A	DRB Grade: A Pipe Size: 150 Material: Polyvinyl Chloride Use: Combined
Section: 11 From: MH21 To: ExMH2	Grade A	DRB Grade: A Pipe Size: 150 Material: Polyvinyl Chloride Use: Foul
Section: 12 From: MH175 To: Main Line	Grade A	DRB Grade: A Pipe Size: 100 Material: Polyvinyl Chloride Use: Foul
Section: 13 From: MH04 To: MH05	Grade A	DRB Grade: A Pipe Size: 150 Material: Polyvinyl Chloride Use: Surface Water
Section: 14 From: MH04 To: Collector Drain	Grade A	DRB Grade: A Pipe Size: 100 Material: Polyvinyl Chloride Use: Surface Water
Section: 15 From: MH05 To: MH06	Grade A	DRB Grade: A Pipe Size: 225 Material: Polyvinyl Chloride Use: Surface Water
Section: 16 From: MH06 To: MH12	Grade A	DRB Grade: A Pipe Size: 225 Material: Polyvinyl Chloride Use: Surface Water
Section: 17 From: MH06 To: Attenuation T	Grade B	DRB Grade: B Pipe Size: 300 Material: Polyvinyl Chloride Use: Surface Water

Total Defects for Project



Total DRB Grades for Project





Section: 18 From: MH07 To: MH149 (HB)	Grade A	DRB Grade: A Pipe Size: 150 Material: Polyvinyl Chloride Use: Surface Water
Section: 19 From: MH08 To: MH09	Grade A	DRB Grade: A Pipe Size: 150 Material: Polyvinyl Chloride Use: Surface Water
Section: 20 From: MH08 To: Gully	Grade A	DRB Grade: A Pipe Size: 150 Material: Polyvinyl Chloride Use: Surface Water
Section: 21 From: MH09 To: MH179	Grade A	DRB Grade: A Pipe Size: 225 Material: Polyvinyl Chloride Use: Surface Water
Section: 22 From: MH09 To: Attenuation T	Grade A	DRB Grade: A Pipe Size: 225 Material: Polyvinyl Chloride Use: Surface Water
Section: 23 From: MH12 To: MH15	Grade A	DRB Grade: A Pipe Size: 225 Material: Polyvinyl Chloride Use: Surface Water
Section: 24 From: MH179 To: MH180	Grade A	DRB Grade: A Pipe Size: 225 Material: Polyvinyl Chloride Use: Surface Water
Section: 25 From: MH179 To: Gully	Grade A	DRB Grade: A Pipe Size: 150 Material: Polyvinyl Chloride Use: Surface Water

Total Defects for Project



Total DRB Grades for Project





Section: 26 From: MH180 To: MH149 (HB)	Grade A	DRB Grade: A Pipe Size: 225 Material: Polyvinyl Chloride Use: Surface Water
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Total Defects for Project



Total DRB Grades for Project





Site: Barlow Moor Rd, Chorlton

Section 1

Client: N D Civils	Location (Street Name): Barlow Moor Rd	City/Town/Village Chorlton	Cust Job Ref.	Surveyors Name: Marc Crehan	Date: 04/08/2022
Start Node Ref: FMH01	Start Node Depth: 0.00	Finish Node Ref: FMH03	Finish Node Depth: 0.00	Direction: D Use: F Material: PVC	Height/Dia: 150 Shape: C Cleaned: Y
Start Node Coordinate:		Finish Node Coordinate:			

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	2.6	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole		0_0		
00.00m	WL	Water level 0%		0_1	0:00:00	
00.10m	LLH	Line of drain/sewer deviates left [half]			0:00:06	
02.60m	MHF	Finish node type, manhole		0_99		

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 FMH01	Image Provided - Ref: 0_0
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	Image Provided - Ref: 0_1
00.10m	0:00:06	LLH	Line of drain/sewer deviates left [half]	
02.60m		MHF	Finish node type, manhole FMH03	Image Provided - Ref: 0_9999

Total Defects for section

DRB Grade for Section





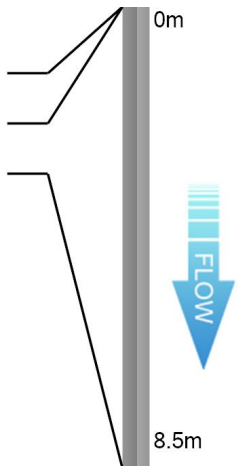
Site: Barlow Moor Rd, Chorlton

Section 2

Client: N D Civils	Location (Street Name): Barlow Moor Rd	City/Town/Village Chorlton	Cust Job Ref.	Surveyors Name: Marc Crehan	Date: 04/08/2022
Start Node Ref: FMH03	Start Node Depth: 0.00	Finish Node Ref: FMH04	Finish Node Depth: 0.00	Direction: D Use: F Material: PVC	Height/Dia: 150 Shape: C Cleaned: Y
Start Node Coordinate:		Finish Node Coordinate:			

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	8.5	

Position	Code	Description	CD	Pic	Video Ref		
00.00m	MH	Start node type, manhole		1_0			
00.00m	WL	Water level 0%		1_1	0:00:00		
08.50m	MHF	Finish node type, manhole		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 FMH03	Image Provided - Ref: 1_0
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	Image Provided - Ref: 1_1
08.50m		MHF	Finish node type, manhole FMH04	Image Provided - Ref: 1_9999

Total Defects for section



DRB Grade for Section





Site: Barlow Moor Rd, Chorlton

Section 3

Client: N D Civils	Location (Street Name): Barlow Moor Rd	City/Town/Village Chorlton	Cust Job Ref.	Surveyors Name: Marc Crehan	Date: 04/08/2022
Start Node Ref: FMH04	Start Node Depth: 0.00	Finish Node Ref: FMH05	Finish Node Depth: 0.00	Direction: D Use: F Material: PVC	Height/Dia: 150 Shape: C Cleaned: Y
Start Node Coordinate:		Finish Node Coordinate:			

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	5.3	

Position	Code	Description	CD	Pic	Video Ref		
00.00m	MH	Start node type, manhole		2_0			
00.00m	WL	Water level 0%		2_1	0:00:00		
05.30m	MHF	Finish node type, manhole		2_99			

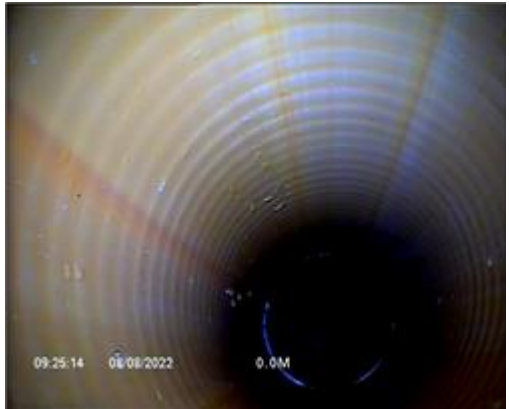
Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 3

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole FMH04	Image Provided - Ref: 2_0 
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	Image Provided - Ref: 2_1 
05.30m		MHF	Finish node type, manhole FMH05	Image Provided - Ref: 2_9999 

Total Defects for section

DRB Grade for Section





Site: Barlow Moor Rd, Chorlton

Section 4

Client: N D Civils	Location (Street Name): Barlow Moor Rd	City/Town/Village Chorlton	Cust Job Ref.	Surveyors Name: Marc Crehan	Date: 04/08/2022
Start Node Ref: FMH04	Finish Node Ref: IC	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: PVC	Cleaned Y		

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	2.2	

Position	Code	Description	CD	Pic	Video Ref		
00.00m	MH	Start node type, manhole		4_0			
00.00m	WL	Water level 0%		4_1	0:00:00		
00.50m	LRQ	Line of drain/sewer deviates right [quarter]			0:00:08		
00.50m	LUQ	Line of drain/sewer deviates up [quarter]			0:00:08		
01.80m	LRH	Line of drain/sewer deviates right [half]			0:00:13		
02.20m	ICF	Finish node type, inspection chamber		4_99			

Total Defects for section

DRB Grade for Section

0 0 0 0 0



Descriptive Report with Remarks and Observation Images

Section 4

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole FMH04	Image Provided - Ref: 4_0
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	Image Provided - Ref: 4_1
00.50m	0:00:08	LRQ	Line of drain/sewer deviates right [quarter]	
00.50m	0:00:08	LUQ	Line of drain/sewer deviates up [quarter]	
01.80m	0:00:13	LRH	Line of drain/sewer deviates right [half]	
02.20m		ICF	Finish node type, inspection chamber IC	Image Provided - Ref: 4_9999

Total Defects for section

DRB Grade for Section





Site: Barlow Moor Rd, Chorlton

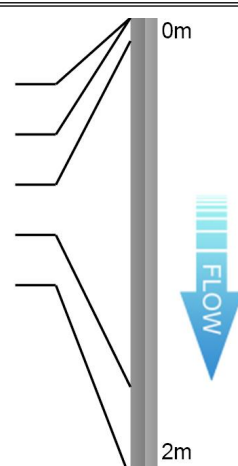
Section 5

Client: N D Civils	Location (Street Name): Barlow Moor Rd	City/Town/Village Chorlton	Cust Job Ref.	Surveyors Name: Marc Crehan	Date: 04/08/2022
Start Node Ref: FMH05	Start Node Depth: 0.00	Finish Node Ref: FMH08	Finish Node Depth: 0.00	Direction: D Use: F Material: PVC	Height/Dia: 150 Shape: C Cleaned: Y
Start Node Coordinate:		Finish Node Coordinate:			

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	2	

Position	Code	Description	CD	Pic	Video Ref		
00.00m	MH	Start node type, manhole		3_0			
00.00m	WL	Water level 0%		3_1	0:00:00		
00.10m	LRH	Line of drain/sewer deviates right [half]			0:00:04		
01.60m	LLH	Line of drain/sewer deviates left [half]			0:00:13		
02.00m	MHF	Finish node type, manhole		3_99			



Total Defects for section

DRB Grade for Section

0 0 0 0 0



Descriptive Report with Remarks and Observation Images

Section 5

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole FMH05	Image Provided - Ref: 3_0
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	Image Provided - Ref: 3_1
00.10m	0:00:04	LRH	Line of drain/sewer deviates right [half]	
01.60m	0:00:13	LLH	Line of drain/sewer deviates left [half]	
02.00m		MHF	Finish node type, manhole FMH08	Image Provided - Ref: 3_9999

Total Defects for section

DRB Grade for Section





Site: Barlow Moor Rd, Chorlton

Section 6

Client: N D Civils	Location (Street Name): Barlow Moor Rd	City/Town/Village Chorlton	Cust Job Ref.	Surveyors Name: Marc Crehan	Date: 04/08/2022
Start Node Ref: FMH06	Start Node Depth: 0.00	Finish Node Ref: FMH07	Finish Node Depth: 0.00	Direction: D Use: F Material: PVC	Height/Dia: 150 Shape: C Cleaned: Y
Start Node Coordinate:		Finish Node Coordinate:			

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	13.4	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole		5_0		
00.00m	WL	Water level 0%		5_1	0:00:00	
05.50m	JN	Junction 09 : 100mm Diameter		5_2	0:00:32	
05.80m	JN	Junction 09 : 100mm Diameter		5_3	0:00:33	
13.40m	MHF	Finish node type, manhole		5_99		

Total Defects for section

DRB Grade for Section

0 0 0 0 0





Descriptive Report with Remarks and Observation Images

Section 6

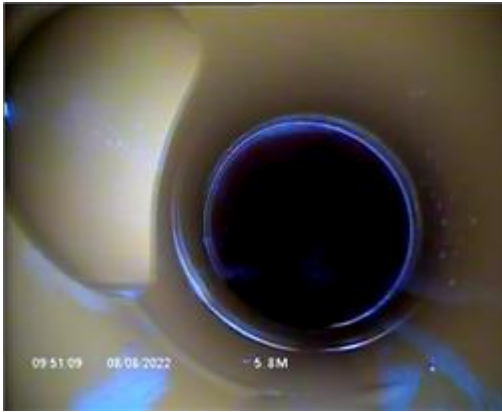
Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole FMH06	Image Provided - Ref: 5_0
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	Image Provided - Ref: 5_1
05.50m	0:00:32	JN	Junction at 09 o'clock: 100mm Diameter	Image Provided - Ref: 5_2

Total Defects for section

DRB Grade for Section





Pos	Video Ref	Code	Description	Image
05.80m	0:00:33	JN	Junction at 09 o'clock: 100mm Diameter	Image Provided - Ref: 5_3 
13.40m		MHF	Finish node type, manhole FMH07	Image Provided - Ref: 5_9999 

Total Defects for section



DRB Grade for Section





Site: Barlow Moor Rd, Chorlton

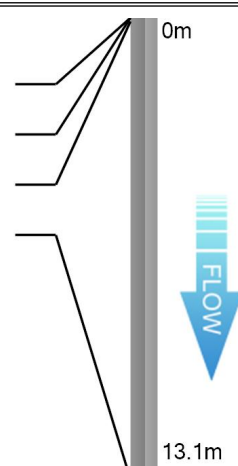
Section 7

Client: N D Civils	Location (Street Name): Barlow Moor Rd	City/Town/Village Chorlton	Cust Job Ref.	Surveyors Name: Marc Crehan	Date: 04/08/2022
Start Node Ref: FMH08	Finish Node Ref: MH15	Direction: D	Height/Dia: 150		
Start Node Depth: 0.00	Finish Node Depth: 0.00	Use: F	Shape: C		
Start Node Coordinate:	Finish Node Coordinate:	Material: PVC	Cleaned Y		

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	13.1	

Position	Code	Description	CD	Pic	Video Ref		
00.00m	MH	Start node type, manhole		6_0			
00.00m	WL	Water level 0%		6_1	0:00:00		
00.10m	LLF	Line of drain/sewer deviates left [full]			0:00:06		
13.10m	BRF	Finish node type, major connection without		6_99			



Total Defects for section

DRB Grade for Section

0 0 0 0 0



Descriptive Report with Remarks and Observation Images

Section 7

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole FMH08	Image Provided - Ref: 6_0
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	Image Provided - Ref: 6_1
00.10m	0:00:06	LLF	Line of drain/sewer deviates left [full]	
13.10m		BRF	Finish node type, major connection without manhole MH15	Image Provided - Ref: 6_9999

Total Defects for section

DRB Grade for Section





Site: Barlow Moor Rd, Chorlton

Section 8

Client: N D Civils	Location (Street Name): Barlow Moor Rd	City/Town/Village Chorlton	Cust Job Ref.	Surveyors Name: Marc Crehan	Date: 04/08/2022
Start Node Ref: FMH07	Finish Node Ref: ExMH2 (PS)	Direction: D	Height/Dia: 150		
Start Node Depth: 0.00	Finish Node Depth: 0.00	Use: F	Shape: C		
Start Node Coordinate:	Finish Node Coordinate:	Material: PVC	Cleaned Y		

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	4.7	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole		7_0		
00.00m	WL	Water level 0%		7_1	0:00:00	
01.80m	LRH	Line of drain/sewer deviates right [half]			0:00:14	
02.90m	LLQ	Line of drain/sewer deviates left [quarter]			0:00:19	
02.90m	LDQ	Line of drain/sewer deviates down [quarter]			0:00:19	
04.40m	LDF	Line of drain/sewer deviates down [full]			0:00:29	
04.70m	MHF	Finish node type, manhole		7_99		

Total Defects for section

DRB Grade for Section

0 0 0 0 0



Descriptive Report with Remarks and Observation Images

Section 8

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole FMH07	Image Provided - Ref: 7_0
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	Image Provided - Ref: 7_1
01.80m	0:00:14	LRH	Line of drain/sewer deviates right [half]	
02.90m	0:00:19	LLQ	Line of drain/sewer deviates left [quarter]	
02.90m	0:00:19	LDQ	Line of drain/sewer deviates down [quarter]	
04.40m	0:00:29	LDF	Line of drain/sewer deviates down [full]	

Total Defects for section

DRB Grade for Section





Pos	Video Ref	Code	Description	Image
04.70m		MHF	Finish node type, manhole ExMH2 - Buried	Image Provided - Ref: 7_9999

Total Defects for section



DRB Grade for Section





Site: Barlow Moor Rd, Chorlton

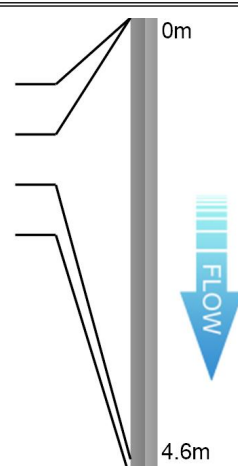
Section 9

Client: N D Civils	Location (Street Name): Barlow Moor Rd	City/Town/Village Chorlton	Cust Job Ref.	Surveyors Name: Marc Crehan	Date: 04/08/2022
Start Node Ref: FMH10	Start Node Depth: 0.00	Finish Node Ref: FMH06	Finish Node Depth: 0.00	Direction: D Use: F Material: PVC	Height/Dia: 100 Shape: C Cleaned: Y
Start Node Coordinate:		Finish Node Coordinate:			

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	4.6	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole		8_0		
00.00m	WL	Water level 0%		8_1	0:00:00	
04.40m	SC	Dimension of drain/sewer changes : 150mm		8_2	0:00:27	
04.60m	MHF	Finish node type, manhole		8_99		



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 FMH10	Image Provided - Ref: 8_0
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	Image Provided - Ref: 8_1
04.40m	0:00:27	SC	Dimension of drain/sewer changes: 150mm Diameter	Image Provided - Ref: 8_2

Total Defects for section



DRB Grade for Section





Pos	Video Ref	Code	Description	Image
04.60m		MHF	Finish node type, manhole FMH06	Image Provided - Ref: 8_9999 

Total Defects for section



DRB Grade for Section





Site: Barlow Moor Rd, Chorlton

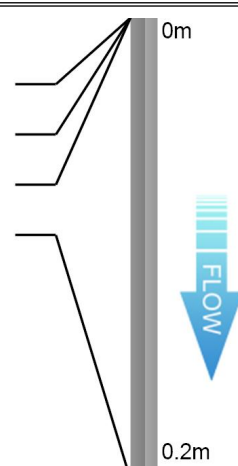
Section 10

Client: N D Civils	Location (Street Name): Barlow Moor Rd	City/Town/Village Chorlton	Cust Job Ref.	Surveyors Name: Marc Crehan	Date: 04/08/2022
Start Node Ref: MH15	Finish Node Ref: Public Sewer	Direction: D	Height/Dia: 150		
Start Node Depth: 0.00	Finish Node Depth: 0.00	Use: C	Shape: C		
Start Node Coordinate:	Finish Node Coordinate:	Material: PVC	Cleaned Y		

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	0.2	

Position	Code	Description	CD	Pic	Video Ref		
00.00m	MH	Start node type, manhole		9_0			
00.00m	WL	Water level 0%		9_1	0:00:00		
00.00m	LDQ	Line of drain/sewer deviates down [quarter]			0:00:04		
00.20m	BRF	Finish node type, major connection without		9_99			



Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 10

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH15	Image Provided - Ref: 9_0
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	Image Provided - Ref: 9_1
00.00m	0:00:04	LDQ	Line of drain/sewer deviates down [quarter]	
00.20m		BRF	Finish node type, major connection without manhole Public Sewer	Image Provided - Ref: 9_9999

Total Defects for section

DRB Grade for Section





Site: Barlow Moor Rd, Chorlton

Section 11

Client: N D Civils	Location (Street Name): Barlow Moor Rd	City/Town/Village Chorlton	Cust Job Ref.	Surveyors Name: Marc Crehan	Date: 04/08/2022
Start Node Ref: MH21	Start Node Depth: 0.00	Finish Node Ref: ExMH2	Finish Node Depth: 0.00	Direction: D Use: F Material: PVC	Height/Dia: 150 Shape: C Cleaned: Y
Start Node Coordinate:		Finish Node Coordinate:			

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	0.8	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole		10_0		
00.00m	WL	Water level 0%		10_1	0:00:00	
00.00m	LDQ	Line of drain/sewer deviates down [quarter]			0:00:03	
00.50m	LLF	Line of drain/sewer deviates left [full]			0:00:11	
00.80m	MHF	Finish node type, manhole		10_9		

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 MH21	Image Provided - Ref: 10_0
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	Image Provided - Ref: 10_1
00.00m	0:00:03	LDQ	Line of drain/sewer deviates down [quarter]	
00.50m	0:00:11	LLF	Line of drain/sewer deviates left [full]	
00.80m		MHF	Finish node type, manhole ExMH2 - Buried	Image Provided - Ref: 10_9999

Total Defects for section

DRB Grade for Section





Site: Barlow Moor Rd, Chorlton

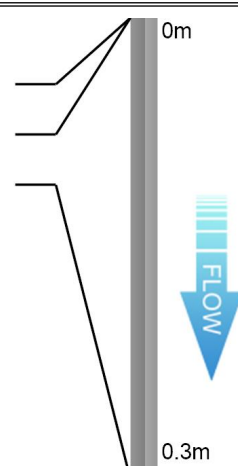
Section 12

Client: N D Civils	Location (Street Name): Barlow Moor Rd	City/Town/Village Chorlton	Cust Job Ref.	Surveyors Name: Marc Crehan	Date: 04/08/2022
Start Node Ref: MH175	Finish Node Ref: Main Line	Direction: D	Height/Dia: 100		
Start Node Depth: 0.00	Finish Node Depth: 0.00	Use: F	Shape: C		
Start Node Coordinate:	Finish Node Coordinate:	Material: PVC	Cleaned Y		

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	0.3	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole		11_0		
00.00m	WL	Water level 0%		11_1	0:00:00	
00.30m	BRF	Finish node type, major connection without		11_9		



Total Defects for section

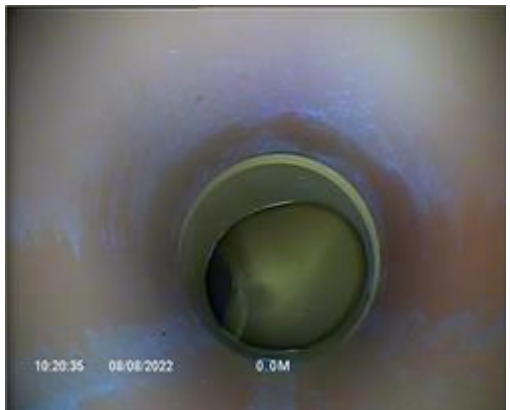
DRB Grade for Section

0 0 0 0 0



Descriptive Report with Remarks and Observation Images

Section 12

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH175	Image Provided - Ref: 11_0 
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	Image Provided - Ref: 11_1 
00.30m		BRF	Finish node type, major connection without manhole Main Line	Image Provided - Ref: 11_9999 

Total Defects for section



DRB Grade for Section





Site: Barlow Moor Rd, Chorlton

Section 13

Client: N D Civils	Location (Street Name): Barlow Moor Rd	City/Town/Village Chorlton	Cust Job Ref.	Surveyors Name: Marc Crehan	Date: 04/08/2022
Start Node Ref: MH04	Start Node Depth: 0.00	Finish Node Ref: MH05	Finish Node Depth: 0.00	Direction: D Use: S Material: PVC	Height/Dia: 150 Shape: C Cleaned: Y
Start Node Coordinate:		Finish Node Coordinate:			

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	14.7	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole		12_0		
00.00m	WL	Water level 0%		12_1	0:00:00	
05.40m	JN	Junction 01 : 100mm Diameter		12_2	0:00:29	
06.80m	JN	Junction 01 : 100mm Diameter		12_3	0:00:35	
14.70m	MHF	Finish node type, manhole		12_9		

Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 13

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH04	Image Provided - Ref: 12_0
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	Image Provided - Ref: 12_1
05.40m	0:00:29	JN	Junction at 01 o'clock: 100mm Diameter	Image Provided - Ref: 12_2

Total Defects for section



DRB Grade for Section





Pos	Video Ref	Code	Description	Image
06.80m	0:00:35	JN	Junction at 01 o'clock: 100mm Diameter	Image Provided - Ref: 12_3 
14.70m		MHF	Finish node type, manhole MH05	Image Provided - Ref: 12_9999 

Total Defects for section



DRB Grade for Section





Site: Barlow Moor Rd, Chorlton

Section 14

Client: N D Civils	Location (Street Name): Barlow Moor Rd	City/Town/Village Chorlton	Cust Job Ref.	Surveyors Name: Marc Crehan	Date: 04/08/2022
Start Node Ref: MH04	Finish Node Ref: Collector Drain	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: PVC	Cleaned Y		

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	5.1	

Position	Code	Description	CD	Pic	Video Ref		
00.00m	MH	Start node type, manhole		13_0			
00.00m	WL	Water level 0%		13_1	0:00:00		
05.10m	BRF	Finish node type, major connection without		13_9			

Total Defects for section

DRB Grade for Section

0 0 0 0 0



Descriptive Report with Remarks and Observation Images

Section 14

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH04	Image Provided - Ref: 13_0
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	Image Provided - Ref: 13_1
05.10m		BRF	Finish node type, major connection without manhole Collector Drain	Image Provided - Ref: 13_9999

Total Defects for section



DRB Grade for Section





Site: Barlow Moor Rd, Chorlton

Section 15

Client: N D Civils	Location (Street Name): Barlow Moor Rd	City/Town/Village Chorlton	Cust Job Ref.	Surveyors Name: Marc Crehan	Date: 04/08/2022
Start Node Ref: MH05	Start Node Depth: 0.00	Finish Node Ref: MH06	Finish Node Depth: 0.00	Direction: D Use: S Material: PVC	Height/Dia: 225 Shape: C Cleaned: Y
Start Node Coordinate:		Finish Node Coordinate:			

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	20.19	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole		14_0		
00.00m	WL	Water level 0%		14_1	0:00:00	
11.30m	CN	Connection other than junction 12 : 100mm		14_2	0:01:03	
20.19m	MHF	Finish node type, manhole		14_9		

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 MH05	Image Provided - Ref: 14_0
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	Image Provided - Ref: 14_1
11.30m	0:01:03	CN	Connection other than junction at 12 o'clock: 100mm Diameter	Image Provided - Ref: 14_2

Total Defects for section



DRB Grade for Section





Pos	Video Ref	Code	Description	Image
20.19m		MHF	Finish node type, manhole MH06	Image Provided - Ref: 14_9999 

Total Defects for section



DRB Grade for Section





Site: Barlow Moor Rd, Chorlton

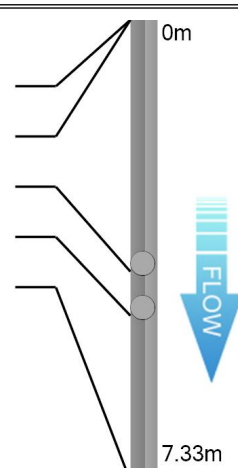
Section 16

Client: N D Civils	Location (Street Name): Barlow Moor Rd	City/Town/Village Chorlton	Cust Job Ref.	Surveyors Name: Marc Crehan	Date: 04/08/2022
Start Node Ref: MH06	Start Node Depth: 0.00	Finish Node Ref: MH12	Finish Node Depth: 0.00	Direction: D Use: S Material: PVC	Height/Dia: 225 Shape: C Cleaned: Y

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	7.33	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole		15_0		
00.00m	WL	Water level 0%		15_1	0:00:00	
04.00m	CN	Connection other than junction 12 : 100mm		15_2	0:00:30	
04.70m	CN	Connection other than junction 12 : 100mm		15_3	0:00:34	
07.33m	MHF	Finish node type, manhole		15_9		



Total Defects for section

DRB Grade for Section

0 0 0 0 0



Descriptive Report with Remarks and Observation Images

Section 16

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH06	Image Provided - Ref: 15_0
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	Image Provided - Ref: 15_1
04.00m	0:00:30	CN	Connection other than junction at 12 o'clock: 100mm Diameter	Image Provided - Ref: 15_2

Total Defects for section

DRB Grade for Section





Pos	Video Ref	Code	Description	Image
04.70m	0:00:34	CN	Connection other than junction at 12 o'clock: 100mm Diameter	Image Provided - Ref: 15_3 
07.33m		MHF	Finish node type, manhole MH12	Image Provided - Ref: 15_9999 

Total Defects for section

DRB Grade for Section





Site: Barlow Moor Rd, Chorlton

Section 17

Client: N D Civils	Location (Street Name): Barlow Moor Rd	City/Town/Village Chorlton	Cust Job Ref.	Surveyors Name: Marc Crehan	Date: 04/08/2022
Start Node Ref: MH06	Start Node Depth: 0.00	Finish Node Ref: Finish Node Depth: 0.00	Attenuation T 0.00	Direction: U Use: S Material: PVC	Height/Dia: 300 Shape: C Cleaned Y
Start Node Coordinate:		Finish Node Coordinate:			

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	1.25	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole		16_0		
00.00m	WL	Water level 0%			0:00:00	
00.15m	OJM	Open joint medium		16_2	0:00:09	
01.25m	OCF	Finish node type, other special chamber		16_9		

Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 17

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH06	Image Provided - Ref: 16_0 
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	
00.15m	0:00:09	OJM	Open joint medium - Severity 3	Image Provided - Ref: 16_2 
01.25m		OCF	Finish node type, other special chamber Attenuation Tank	Image Provided - Ref: 16_9999 

Total Defects for section



DRB Grade for Section





Site: Barlow Moor Rd, Chorlton

Section 18

Client: N D Civils	Location (Street Name): Barlow Moor Rd	City/Town/Village Chorlton	Cust Job Ref.	Surveyors Name: Marc Crehan	Date: 04/08/2022
Start Node Ref: MH07	Finish Node Ref: MH149 (HB)	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: PVC	Cleaned Y		

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	7.4	

Position	Code	Description	CD	Pic	Video Ref		
00.00m	MH	Start node type, manhole		17_0			
00.00m	WL	Water level 0%		17_1	0:00:00		
05.50m	SC	Dimension of drain/sewer changes : 225mm		17_2	0:00:37		
07.40m	MHF	Finish node type, manhole		17_9			

Total Defects for section

DRB Grade for Section

0 0 0 0 0



Descriptive Report with Remarks and Observation Images

Section 18

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH07	Image Provided - Ref: 17_0
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	Image Provided - Ref: 17_1
05.50m	0:00:37	SC	Dimension of drain/sewer changes: 225mm Diameter	Image Provided - Ref: 17_2

Total Defects for section

DRB Grade for Section





Pos	Video Ref	Code	Description	Image
07.40m		MHF	Finish node type, manhole MH149 (HB)	Image Provided - Ref: 17_9999 

Total Defects for section



DRB Grade for Section





Site: Barlow Moor Rd, Chorlton

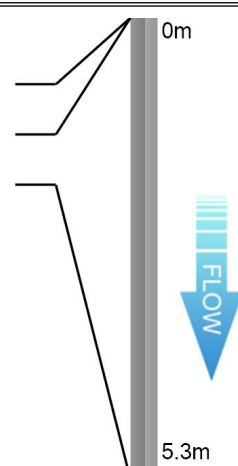
Section 19

Client: N D Civils	Location (Street Name): Barlow Moor Rd	City/Town/Village Chorlton	Cust Job Ref.	Surveyors Name: Marc Crehan	Date: 04/08/2022
Start Node Ref: MH08	Start Node Depth: 0.00	Finish Node Ref: MH09	Finish Node Depth: 0.00	Direction: D Use: S Material: PVC	Height/Dia: 150 Shape: C Cleaned: Y

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	5.3	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole		18_0		
00.00m	WL	Water level 0%		18_1	0:00:00	
05.30m	MHF	Finish node type, manhole		18_9		



Total Defects for section

DRB Grade for Section

0 0 0 0 0



Descriptive Report with Remarks and Observation Images

Section 19

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH08	Image Provided - Ref: 18_0
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	Image Provided - Ref: 18_1
05.30m		MHF	Finish node type, manhole MH09	Image Provided - Ref: 18_9999

Total Defects for section



DRB Grade for Section





Site: Barlow Moor Rd, Chorlton

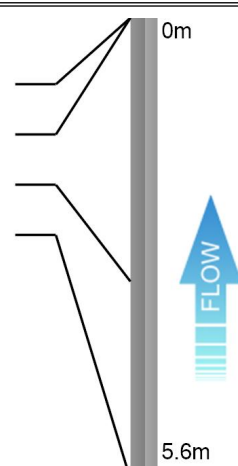
Section 20

Client: N D Civils	Location (Street Name): Barlow Moor Rd	City/Town/Village Chorlton	Cust Job Ref.	Surveyors Name: Marc Crehan	Date: 04/08/2022
Start Node Ref: MH08	Finish Node Ref: Gully	Direction: U	Height/Dia: 150		
Start Node Depth: 0.00	Finish Node Depth: 0.00	Use: S	Shape: C		
Start Node Coordinate:	Finish Node Coordinate:	Material: PVC	Cleaned Y		

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	5.6	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole		19_0		
00.00m	WL	Water level 0%		19_1	0:00:00	
03.20m	LRQ	Line of drain/sewer deviates right [quarter]			0:00:21	
05.60m	GYF	Finish node type Gully		19_9		



Total Defects for section

DRB Grade for Section

0 0 0 0 0



Descriptive Report with Remarks and Observation Images

Section 20

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH08	Image Provided - Ref: 19_0
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	Image Provided - Ref: 19_1
03.20m	0:00:21	LRQ	Line of drain/sewer deviates right [quarter]	
05.60m		GYF	Finish node type Gully Gully	Image Provided - Ref: 19_9999

Total Defects for section



DRB Grade for Section





Site: Barlow Moor Rd, Chorlton

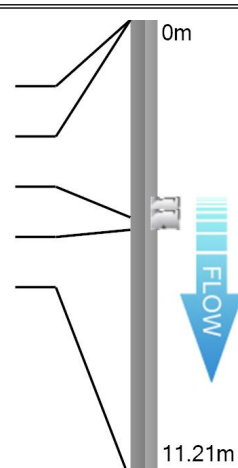
Section 21

Client: N D Civils	Location (Street Name): Barlow Moor Rd	City/Town/Village Chorlton	Cust Job Ref.	Surveyors Name: Marc Crehan	Date: 04/08/2022
Start Node Ref: MH09	Start Node Depth: 0.00	Finish Node Ref: MH179	Finish Node Depth: 0.00	Direction: D	Height/Dia: 225
Start Node Coordinate:	Finish Node Coordinate:	Use: S	Shape: C	Material: PVC	Cleaned Y

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	11.21	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole		20_0		
00.00m	WL	Water level 0%		20_1	0:00:00	
04.80m	CN	Connection other than junction 11 : 100mm		20_2	0:00:28	
05.10m	CN	Connection other than junction 11 : 100mm		20_3	0:00:30	
11.21m	MHF	Finish node type, manhole		20_9		



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 MH09	Image Provided - Ref: 20_0
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	Image Provided - Ref: 20_1
04.80m	0:00:28	CN	Connection other than junction at 11 o'clock: 100mm Diameter	Image Provided - Ref: 20_2

Total Defects for section

DRB Grade for Section





Pos	Video Ref	Code	Description	Image
05.10m	0:00:30	CN	Connection other than junction at 11 o'clock: 100mm Diameter	Image Provided - Ref: 20_3 
11.21m		MHF	Finish node type, manhole MH179	Image Provided - Ref: 20_9999 

Total Defects for section

DRB Grade for Section





Site: Barlow Moor Rd, Chorlton

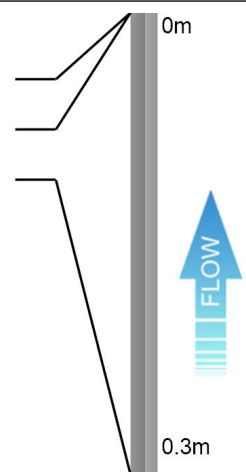
Section 22

Client: N D Civils	Location (Street Name): Barlow Moor Rd	City/Town/Village Chorlton	Cust Job Ref.	Surveyors Name: Marc Crehan	Date: 04/08/2022
Start Node Ref: MH09	Finish Node Ref:	Attenuation T	Direction: U	Height/Dia: 225	
Start Node Depth: 0.00	Finish Node Depth:	0.00	Use: S	Shape: C	
Start Node Coordinate:	Finish Node Coordinate:		Material: PVC	Cleaned Y	

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	0.3	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole		21_0		
00.00m	WL	Water level 0%		21_1	0:00:00	
00.30m	OCF	Finish node type, other special chamber		21_9		



Total Defects for section

DRB Grade for Section

0 0 0 0 0



Descriptive Report with Remarks and Observation Images

Section 22

Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH09	Image Provided - Ref: 21_0
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	Image Provided - Ref: 21_1
00.30m		OCF	Finish node type, other special chamber Attenuation Tank	Image Provided - Ref: 21_9999

Total Defects for section

DRB Grade for Section





Site: Barlow Moor Rd, Chorlton

Section 23

Client: N D Civils	Location (Street Name): Barlow Moor Rd	City/Town/Village Chorlton	Cust Job Ref.	Surveyors Name: Marc Crehan	Date: 04/08/2022
Start Node Ref: MH12	Start Node Depth: 0.00	Finish Node Ref: MH15	Finish Node Depth: 0.00	Direction: D Use: S Material: PVC	Height/Dia: 225 Shape: C Cleaned: Y
Start Node Coordinate:		Finish Node Coordinate:			

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	3.12	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole		22_0		
00.00m	WL	S1 Water level 10%	S1	22_1	0:00:00	
02.98m	WL	F1 Water level 10%	F1	22_-	0:00:00	
03.12m	SC	Dimension of drain/sewer changes : 150mm		22_2	0:00:40	
03.12m	SA	Survey abandoned		22_9		

Total Defects for section

DRB Grade for Section

0

0

0

0

0



Descriptive Report with Remarks and Observation Images

Section 23

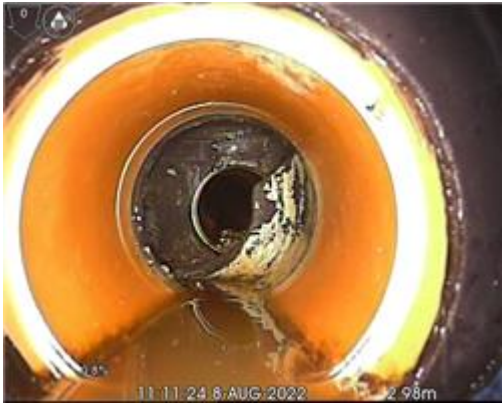
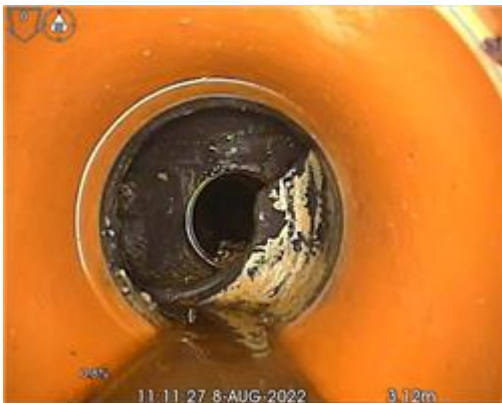
Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH12	Image Provided - Ref: 22_0
00.00m	0:00:00	S1 WL	Water level 0m - 2.98m: 10% Height/Diameter	Image Provided - Ref: 22_1
02.98m	0:00:00	F1 WL	Water level Defect End: 10% Height/Diameter	Image Provided - Ref: 22_-1

Total Defects for section

DRB Grade for Section





Pos	Video Ref	Code	Description	Image
03.12m	0:00:40	SC	Dimension of drain/sewer changes: 150mm Diameter	Image Provided - Ref: 22_2 
03.12m		SA	Survey abandoned Cannot pass SC	Image Provided - Ref: 22_9999 

Total Defects for section

DRB Grade for Section





Site: Barlow Moor Rd, Chorlton

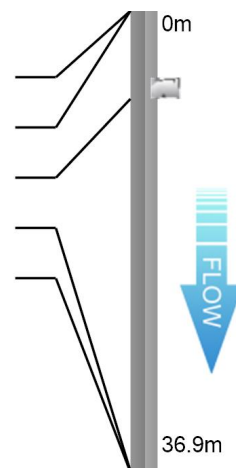
Section 24

Client: N D Civils	Location (Street Name): Barlow Moor Rd	City/Town/Village Chorlton	Cust Job Ref.	Surveyors Name: Marc Crehan	Date: 04/08/2022
Start Node Ref: MH179	Start Node Depth: 0.00	Finish Node Ref: MH180	Finish Node Depth: 0.00	Direction: D Use: S Material: PVC	Height/Dia: 225 Shape: C Cleaned: Y
Start Node Coordinate:		Finish Node Coordinate:			

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	36.9	

Position	Code	Description	CD	Pic	Video Ref
00.00m	MH	Start node type, manhole		23_0	
00.00m	WL	Water level 0%		23_1	0:00:00
07.04m	CN	Connection other than junction 11 : 100mm		23_2	0:00:42
36.80m	LLH	Line of drain/sewer deviates left [half]			0:02:59
36.90m	SA	Survey abandoned		23_9	



Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 24

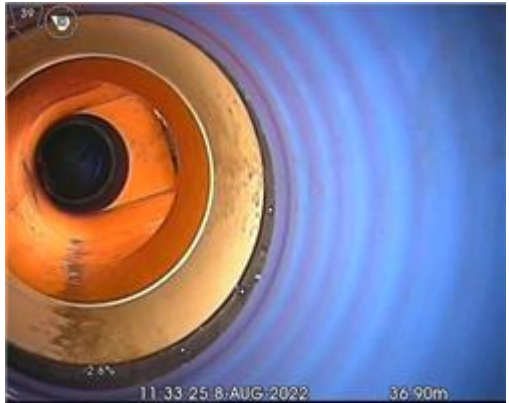
Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH179	Image Provided - Ref: 23_0
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	Image Provided - Ref: 23_1
07.04m	0:00:42	CN	Connection other than junction at 11 o'clock: 100mm Diameter	Image Provided - Ref: 23_2
36.80m	0:02:59	LLH	Line of drain/sewer deviates left [half]	

Total Defects for section

DRB Grade for Section





Pos	Video Ref	Code	Description	Image
36.90m		SA	Survey abandoned Cannot pass LLH	Image Provided - Ref: 23_9999 

Total Defects for section

0 0 0 0 0

DRB Grade for Section





Site: Barlow Moor Rd, Chorlton

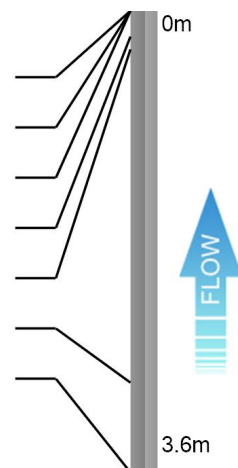
Section 25

Client: N D Civils	Location (Street Name): Barlow Moor Rd	City/Town/Village Chorlton	Cust Job Ref.	Surveyors Name: Marc Crehan	Date: 04/08/2022
Start Node Ref: MH179	Finish Node Ref: Gully	Start Node Depth: 0.00	Finish Node Depth: 0.00	Direction: U	Height/Dia: 150
Start Node Coordinate:	Finish Node Coordinate:	Use: S	Shape: C	Material: PVC	Cleaned Y

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	3.6	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole		24_0		
00.00m	WL	Water level 0%		24_1	0:00:00	
00.00m	LRQ	Line of drain/sewer deviates right [quarter]			0:00:04	
00.20m	SC	Dimension of drain/sewer changes : 100mm		24_3	0:00:05	
00.30m	LRH	Line of drain/sewer deviates right [half]			0:00:09	
02.90m	LUQ	Line of drain/sewer deviates up [quarter]			0:00:29	
03.60m	GYF	Finish node type Gully		24_9		



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 MH179	Image Provided - Ref: 24_0
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	Image Provided - Ref: 24_1
00.00m	0:00:04	LRQ	Line of drain/sewer deviates right [quarter]	
00.20m	0:00:05	SC	Dimension of drain/sewer changes: 100mm Diameter	Image Provided - Ref: 24_3
00.30m	0:00:09	LRH	Line of drain/sewer deviates right [half]	
02.90m	0:00:29	LUQ	Line of drain/sewer deviates up [quarter]	

Total Defects for section

DRB Grade for Section





Pos	Video Ref	Code	Description	Image
03.60m		GYF	Finish node type Gully Gully	Image Provided - Ref: 24_9999

Total Defects for section



DRB Grade for Section





Site: Barlow Moor Rd, Chorlton

Section 26

Client: N D Civils	Location (Street Name): Barlow Moor Rd	City/Town/Village Chorlton	Cust Job Ref.	Surveyors Name: Marc Crehan	Date: 04/08/2022
Start Node Ref: MH180	Finish Node Ref: MH149 (HB)	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: PVC	Cleaned Y		

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	1.2	

Position	Code	Description	CD	Pic	Video Ref	
00.00m	MH	Start node type, manhole		25_0		
00.00m	WL	Water level 0%		25_1	0:00:00	
00.40m	LLH	Line of drain/sewer deviates left [half]			0:00:08	
01.20m	MHF	Finish node type, manhole		25_9		

Total Defects for section

DRB Grade for Section

0 0 0 0 0



Descriptive Report with Remarks and Observation Images

Section 26

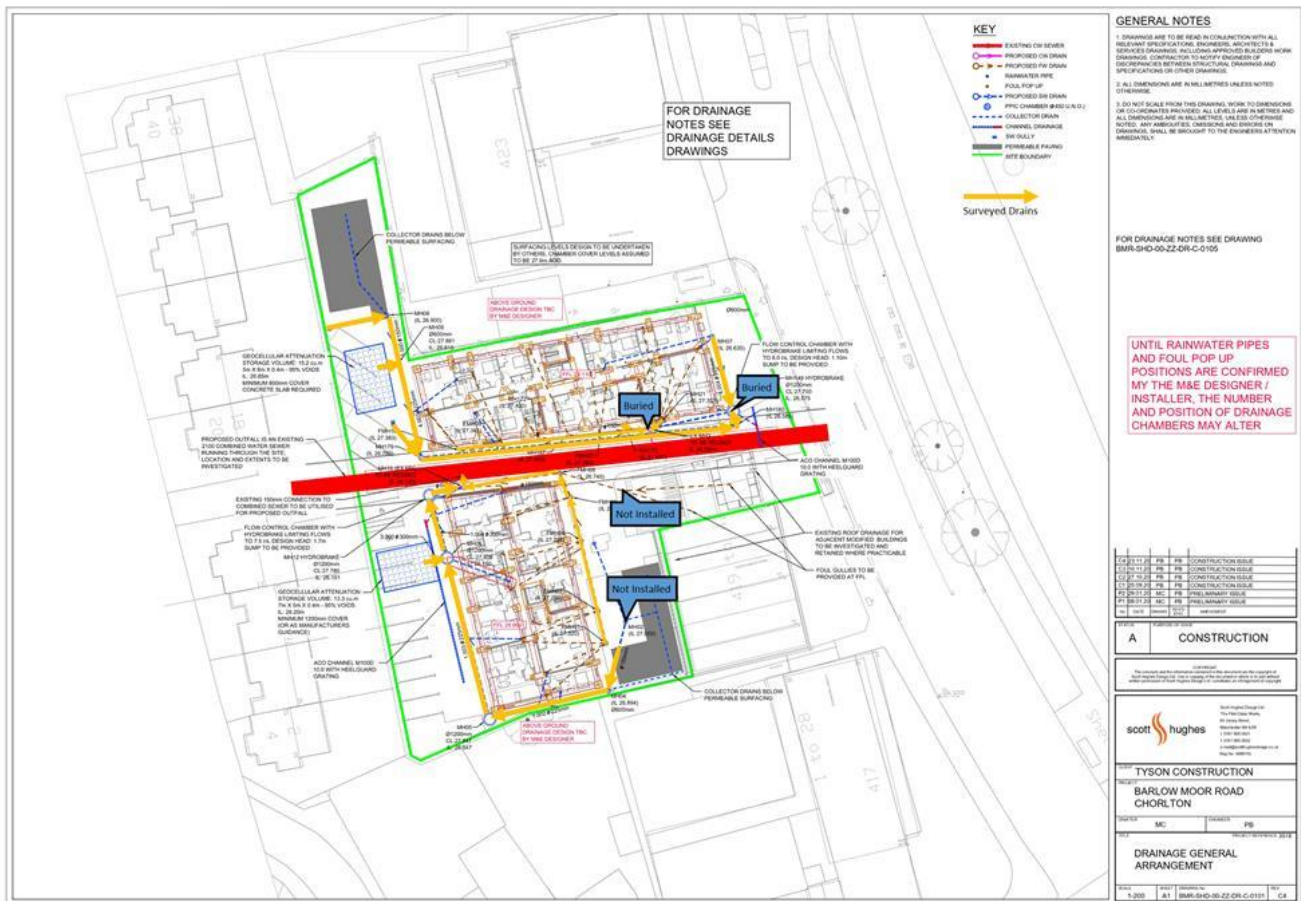
Pos	Video Ref	Code	Description	Image
00.00m		MH	Start node type, manhole MH180	Image Provided - Ref: 25_0
00.00m	0:00:00	WL	Water level: 0% Height/Diameter	Image Provided - Ref: 25_1
00.40m	0:00:08	LLH	Line of drain/sewer deviates left [half]	
01.20m		MHF	Finish node type, manhole MH149 (HB)	Image Provided - Ref: 25_9999

Total Defects for section

DRB Grade for Section

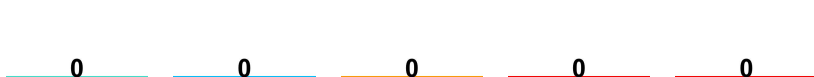


Plan of Site



Total Defects for section

DRB Grade for Section



A guide to defects and other observations in drainage systems

More detailed information can be found in the National Standard (BS EN 13508-1:2003) and in the Manual of Sewer Condition Classification (MSCC) 5th Edition, written by the Water Research Centre (WRC).

Use	
Code	Description
C	Combined
F	Foul
S	Surface Water
T	Trade Effluent
W	Culverted Watercourse
Z	Other
Common Materials	
Code	Description
VC	Vitrified Clay
PVC	Polyvinyl Chloride
CO	Concrete
CI	Cast Iron
PF	Pitch Fibre
PE	Polyethylene
DI	Ductile Iron

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

Code	Observation	Description	Attributes	
B	Broken	Pieces pipe have visibly moved	Defined by clock references. Associated with deformity in rigid pipe	
CC CL CM CR	Cracks	Cracks are break lines that are not visibly open	Defined by clock reference position/s. Longitudinal and radiating cracks attract only one clock reference	
CN	Connection	Lateral pipe has been connected after original construction	Described by clock reference position and diameter	

Total Defects for section

DRB Grade for Section



CX(I)	Defective Connection (Intruding)	Defective by intrusion or damage due to factors including: cracks, fractures, obstruction, position etc	Described by clock reference position and diameter (+ % intrusion)	
CU	Loss of Vision	Lens of camera is obscured by debris, water etc. Operator is unable to see drain clearly	'W' can be added if loss of vision is due to water	
D	Deformed	Pipe has lost its structure	Described by percentage loss of height or width. Recorded in 5% increments	
DEE	Deposits Encrustation	Eg. Attached scale deposits evident	Described by clock referenced position and percentage loss of cross-sectional area (5% increments)	
DEG	Deposits Grease	Attached grease deposits evident	Described by clock referenced position and percentage loss of cross-sectional area (5% increments)	
DER DES	Deposits Coarse/Fine	Settled deposits on the invert of the pipe.	Described by percentage loss of height or diameter. Recorded in 5% increments.	
FC FL FM FR	Fractures	Fractures are visibly open. Pieces of pipe have not moved	Defined by clock reference position/s. Longitudinal and radiating fractures attract only one clock reference	
H	Holes	Section of pipe fabric is missing	Defined by clock reference location. Normally two clock references	
I	Infiltration	Water is infiltrating the pipe, normally via a joint but could be via another defect	Can be described in Remarks using terms such as Seeper, Dripper and Runner	
JDL	Joint Displaced Large	Pipe has moved at joint, perpendicular to axis of pipe	More than 1.5 times the pipe wall thickness must be visible	

Total Defects for section

DRB Grade for Section

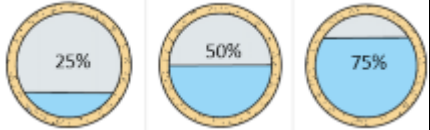


JDM	Joint Displaced Medium	Pipe has moved at joint, perpendicular to axis of pipe	Between 1 and 1.5 times the pipe wall thickness must be visible	
JN	Junction	Lateral pipe was installed at construction	Described by clock reference position and diameter	
JX	Defective Junction	Lateral pipe was installed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