Lanes Group PLC

DOMIS TIB ST POST CLEANSE

23 March 2020

Lanes Group Plc
300 Lansdowne Road, Eccles, Manchester, M30 9PJ
0161 788 2222
www.lanesgroup.com

Lanes Group plc - CCTV Report - Defect Grade Summary

The defect codes and observations used in this report are colour coded and fall into four main categories. Please refer to the descriptions below:

Structural Observations/Defects:

These codes/observations relate to the structural integrity of the drain or sewer and include defects such as cracks, fractures, moderate joint defects, holes, breaks and surface wear.

- Grade 3: Best practice suggests a medium term repair schedule is planned due to possible deterioration.
- Grade 4: Best practice suggests a repair schedule is planned in the short term to avoid potential collapse or increased damage.
- Grade 5: Best practice suggests an immediate repair schedule as the risk of collapse or further structural damage is very high.

Service Observations/Defects:

These codes/observations relate to the hydraulic efficiency of the drain or sewer, its capability to meet its service requirements, loss of capacity, potential for blockage/s and water tightness.

- Grade 3: Best practice suggests a medium term maintenance schedule is planned.
- Grade 4: Best practice suggests a repair schedule is planned in the short term to avoid potential blockages and/or flooding.
- Grade 5: Best practice suggests an immediate maintenance schedule is implemented as the risk of blockages and/or flooding is very high.

Miscellaneous Observations/Defects

These codes/observations relate to general items concerning the drain or sewer and cover changes to size, shape and materials, general remarks and photographs, vermin and abandoned surveys. These items should be considered individually by referring to the remarks presented in the section reports.

Construction Observations/Defects

These codes/observations relate to the general construction of the drain or sewer and covers connections/junctions, Lining and sealing defects, Node points and point repairs. These items should be considered individually by referring to the remarks presented in the section reports.

Thank you for choosing Lanes Group plc

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CCTV reports overview

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/ Main sections

Nr.	Upstream MH:	Downstream MH:	Date:	Road Name:	Diameter:	Material:	m	(m)
2	LEG B	F 1	22/03/2020	Tib Street	100 mm	Plastic (ribbed)	16.90	16.90
5	LEG A	F2	22/03/2020	Tib Street	100 mm	Plastic (ribbed)	3.14	3.14
8	LEG A	F4	22/03/2020	Tib Street	100 mm	Plastic (ribbed)	3.55	3.55
9	LEG B	F4	22/03/2020	Tib Street	100 mm	Plastic (ribbed)	2.46	2.46
12	LEG A	F6	22/03/2020	Tib Street	100 mm	Plastic (ribbed)	1.90	1.90
13	LEG B	F6	22/03/2020	Tib Street	100 mm	Plastic (ribbed)	0.42	0.42
15	LEG A	F7	22/03/2020	Tib Street	100 mm	Plastic (ribbed)	0.95	0.95
16	LEG B	F7	22/03/2020	Tib Street	100 mm	Plastic (ribbed)	6.72	6.72
19	LEG A	F9	22/03/2020	Tib Street	100 mm	Plastic (ribbed)	1.80	1.80
20	LEG B	F9	22/03/2020	Tib Street	100 mm	Plastic (ribbed)	6.62	6.62
25	LEG A	F10	22/03/2020	Tib Street	100 mm	Plastic (ribbed)	5.00	5.00
27	LEG A	F12	22/03/2020	Tib Street	100 mm	Plastic (ribbed)	1.98	1.98
34	LEG A	F20	22/03/2020	Tib Street	100 mm	Plastic (ribbed)	3.77	3.77
35	LEG A	F16	22/03/2020	Tib Street	100 mm	Plastic (ribbed)	3.18	3.18
36	LEG B	F16	22/03/2020	Tib Street	100 mm	Plastic (ribbed)	5.24	5.24
37	LEG C	F16	22/03/2020	Tib Street	100 mm	Plastic (ribbed)	9.42	9.42
42	LEG A	S2	22/03/2020	Tib Street	100 mm	Plastic (ribbed)	3.36	3.36
53	LEG A	S9	22/03/2020	Tib Street	100 mm	Plastic (ribbed)	11.06	11.06
54	S9	MAIN	22/03/2020	Tib Street	100 mm	Plastic (ribbed)	2.32	2.32

Pipe size: CIRCULAR 100 = 89.79 m (89.79 m)

Nr.	Upstream MH:	Downstream MH:	Date:	Road Name:	Diameter:	Material:	m	(m)
1	LEG A	F1	22/03/2020	Tib Street	150 mm	Plastic (ribbed)	8.72	8.72
3	F1	MAIN	22/03/2020	Tib Street	150 mm	Plastic (ribbed)	5.84	5.84
4	F2	F3	22/03/2020	Tib Street	150 mm	Plastic (ribbed)	8.37	8.37
6	F3	F5	22/03/2020	Tib Street	150 mm	Plastic (ribbed)	14.51	14.51
7	F4	F5	22/03/2020	Tib Street	150 mm	Plastic (ribbed)	2.73	2.73
10	LEG A	F5	22/03/2020	Tib Street	150 mm	Plastic (ribbed)	10.08	10.08
11	F5	F6	22/03/2020	Tib Street	150 mm	Plastic (ribbed)	9.48	9.48
14	F6	F7	22/03/2020	Tib Street	150 mm	Plastic (ribbed)	12.27	12.27
17	F7	F8	22/03/2020	Tib Street	150 mm	Plastic (ribbed)	13.17	13.17
18	F20	F8	22/03/2020	Tib Street	150 mm	Plastic (ribbed)	13.23	13.23
21	F8	F9	22/03/2020	Tib Street	150 mm	Plastic (ribbed)	8.01	8.01
22	F9	F11	22/03/2020	Tib Street	150 mm	Plastic (ribbed)	3.64	3.64
23	F10	F11	22/03/2020	Tib Street	150 mm	Plastic (ribbed)	1.72	1.72
24	F16	F10	22/03/2020	Tib Street	150 mm	Plastic (ribbed)	8.48	8.48
26	F11	F12	22/03/2020	Tib Street	150 mm	Plastic (ribbed)	8.63	8.63
28	F12	F13	22/03/2020	Tib Street	150 mm	Plastic (ribbed)	6.60	6.60
29	LEG A	F14	22/03/2020	Tib Street	150 mm	Plastic (ribbed)	0.84	0.84
30	LEG B	F14	22/03/2020	Tib Street	150 mm	Plastic (ribbed)	0.02	0.02
31	F14	C1	22/03/2020	Tib Street	150 mm	Plastic (ribbed)	7.37	7.37
32	F15	C1	22/03/2020	Tib Street	150 mm	Plastic (ribbed)	0.86	0.86
38	F13	C1	22/03/2020	Tib Street	150 mm	Plastic (ribbed)	4.25	4.25
39	LEG A	S1	22/03/2020	Tib Street	150 mm	Plastic (ribbed)	6.58	6.58
40	S1	S2	22/03/2020	Tib Street	150 mm	Plastic (ribbed)	16.85	16.85
41	LEG B	S2	22/03/2020	Tib Street	150 mm	Plastic (ribbed)	5.27	5.27
43	S3	S2	22/03/2020	Tib Street	150 mm	Plastic (ribbed)	6.60	6.60
46	S5	S5 A	22/03/2020	Tib Street	150 mm	Plastic (ribbed)	0.99	0.99
47	S6	S5 A	22/03/2020	Tib Street	150 mm	Plastic (ribbed)	4.86	4.86
48	LEG A	S5	22/03/2020	Tib Street	150 mm	Plastic (ribbed)	2.93	2.93
49	LEG A	S6	22/03/2020	Tib Street	150 mm	Plastic (ribbed)	8.98	8.98
50	LEG B	S6	22/03/2020	Tib Street	150 mm	Plastic (ribbed)	1.73	1.73
51	S10	S5	22/03/2020	Tib Street	150 mm	Plastic (ribbed)	4.61	4.61
52	LEG A	S10	22/03/2020	Tib Street	150 mm	Plastic (ribbed)	12.74	12.74

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/ Main sections

Pipe size: CIRCULAR 150 = 220.96 m (220.96 m)

Nr.	Upstream MH:	Downstream MH:	Date:	Road Name:	Diameter:	Material:	m	(m)
33	C1	EX MH	22/03/2020	Tib Street	225 mm	Plastic (ribbed)	6.19	6.19
44	S2	S4	22/03/2020	Tib Street	225 mm	Plastic (ribbed)	10.34	10.34
45	S4	S5 A	22/03/2020	Tib Street	225 mm	Plastic (ribbed)	5.08	5.08
55	S8	C1	22/03/2020	Tib Street	225 mm	Plastic (ribbed)	1.40	1.40

Pipe size: CIRCULAR 225 = 23.01 m (23.01 m)

All sections = 333.76 m (333.76 m)

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Project Information Overview:

Client:	**Domis Construction Ltd**
Contact Name:	
Department:	
Road:	**840 Birchwood Boulevard**
Town:	**Birchwood**
County:	**Warrington WA3 7QU**
Telephone:	
Fax:	
Mobile:	
E-mail:	

Site:	**Domis Construction Ltd**
Contact Name:	
Department:	**SYNQ**
Road:	**Tib Street**
Town:	**Manchester**
County:	**M4 1SG**
Telephone:	
Fax:	
Mobile:	
E-mail:	

Contractor	**Lanes Group PLC**
Contact Name:	**Paul Lynch**
Department:	**North West Office Building 1**
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Lanes Group - Drainage CCTV Inspection report

Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	1
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			8.72 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**LEG A**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**F1**
Location:	Inside building	**Direction:**	F1 (U/S) LEG A	**D/S Depth(m):**	

Asset Use:	Foul waste	**Asset Dia (mm):**	150 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:75	Position	Observations and Remarks	Grade
F1			
	0.00	Start node type, manhole, reference number : F1	(Constr) 0
	0.01	Water level, 5% of the vertical dimension	(Serv) 0
	4.84	Line deviates left	(Serv) 0
	4.84	Water level, 10% of the vertical dimension	(Serv) 0
	6.07	Water level, 5% of the vertical dimension	(Serv) 0
	7.49	Junction, at 3 o'clock, diameter 150mm	(Constr) 0
	8.72	Finish node type, other special chamber reference number: LEG A Remarks: SVP	(Constr) 0
LEG A			

Structural Defects					Constructional Features				
Service Defects					Miscellaneous Features				
STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

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Lanes Group - Drainage CCTV Inspection report

Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	2
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			16.90 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**LEG B**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**F 1**
Location:	Inside building	**Direction:**	F 1 (U/S) LEG B	**D/S Depth(m):**	

Asset Use:	Foul waste	**Asset Dia (mm):**	100 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:135	Position	Observations and Remarks	Grade
F 1			
	0.00	Start node type, manhole, reference number : F 1	(Constr) 0
	0.01	Water level, 5% of the vertical dimension	(Serv) 0
	9.66	Line deviates up	(Serv) 0
	15.62	Line deviates left	(Serv) 0
	16.90	Finish node type, other special chamber reference number: LEG B Remarks: SVP	(Constr) 0
LEG B			

Structural Defects | **Constructional Features**
Service Defects | **Miscellaneous Features**

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

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Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	3
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			5.84 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**F1**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**MAIN**
Location:	Inside building	**Direction:**	F1 (D/S) MAIN	**D/S Depth(m):**	

Asset Use:	Foul waste	**Asset Dia (mm):**	150 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:60	Position	Observations and Remarks	Grade
F1	0.00	Start node type, manhole, reference number : F1	(Constr) 0
	0.01	Water level, 10% of the vertical dimension	(Serv) 0
MAIN	5.84	Finish node type, other special chamber reference number: MAIN Remarks: Main carrier	(Constr) 0

Structural Defects | **Constructional Features**
Service Defects | **Miscellaneous Features**

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

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Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	4
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			8.37 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**F2**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**F3**
Location:	Inside building	**Direction:**	F3 (U/S) F2	**D/S Depth(m):**	

Asset Use:	Foul waste	**Asset Dia (mm):**	150 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:75	Position	Observations and Remarks	Grade
F3			
	0.00	Start node type, manhole, reference number : F3	(Constr) 0
	0.01	Water level, 5% of the vertical dimension	(Serv) 0
	5.14	Junction, at 9 o'clock, diameter 150mm	(Constr) 0
	8.37	Finish node type, manhole reference number: F2	(Constr) 0
F2			

Structural Defects | **Constructional Features**
Service Defects | **Miscellaneous Features**

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

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Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	5
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			3.14 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**LEG A**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**F2**
Location:	Inside building	**Direction:**	F2 (U/S) LEG A	**D/S Depth(m):**	

Asset Use:	Foul waste	**Asset Dia (mm):**	100 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:50	Position	Observations and Remarks	Grade
F2	0.00	Start node type, manhole, reference number : F2	(Constr) 0
	0.01	Water level, 5% of the vertical dimension	(Serv) 0
LEG A	3.14	Finish node type, manhole reference number: LEG A	(Constr) 0

Structural Defects | **Constructional Features**
Service Defects | **Miscellaneous Features**

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

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Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	6
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			14.51 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**F3**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**F5**
Location:	Inside building	**Direction:**	F5 (U/S) F3	**D/S Depth(m):**	

Asset Use:	Foul waste	**Asset Dia (mm):**	150 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:120	Position	Observations and Remarks	Grade
F5	0.00	Start node type, manhole, reference number : F5	(Constr) 0
	0.01	Water level, 5% of the vertical dimension	(Serv) 0
	14.51	Finish node type, manhole reference number: F3	(Constr) 0
F3			

Structural Defects | **Constructional Features**
Service Defects | **Miscellaneous Features**

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

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22/03/2020	366196	CCTV	PETER	Dry	7
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			2.73 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**F4**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**F5**
Location:	Inside building	**Direction:**	F4 (D/S) F5	**D/S Depth(m):**	

Asset Use:	Foul waste	**Asset Dia (mm):**	150 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:50	Position	Observations and Remarks	Grade
F4			
	0.00	Start node type, manhole, reference number : F4	(Constr) 0
	0.01	Water level, 5% of the vertical dimension	(Serv) 0
	1.97	Line deviates left	(Serv) 0
	2.73	Finish node type, manhole reference number: F5	(Constr) 0
F5			

Structural Defects | **Constructional Features**

Service Defects | **Miscellaneous Features**

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

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Lanes Group - Drainage CCTV Inspection report

Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	8
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			3.55 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**LEG A**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**F4**
Location:	Inside building	**Direction:**	F4 (U/S) LEG A	**D/S Depth(m):**	

Asset Use:	Foul waste	**Asset Dia (mm):**	100 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:50	Position	Observations and Remarks	Grade
F4			
	0.00	Start node type, manhole, reference number : F4	(Constr) 0
	0.01	Water level, 5% of the vertical dimension	(Serv) 0
	3.55	Finish node type, other special chamber reference number: LEG A Remarks: SVP	(Constr) 0
LEG A			

Structural Defects | **Constructional Features**
Service Defects | **Miscellaneous Features**

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

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Lanes Group - Drainage CCTV Inspection report

Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	9
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			2.46 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**LEG B**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**F4**
Location:	Inside building	**Direction:**	F4 (U/S) LEG B	**D/S Depth(m):**	

Asset Use:	Foul waste	**Asset Dia (mm):**	100 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:50	Position	Observations and Remarks	Grade
	F4		
	0.00	Start node type, manhole, reference number : F4	(Constr) 0
	0.01	Water level, 5% of the vertical dimension	(Serv) 0
	2.46	Finish node type, other special chamber reference number: LEG B Remarks: SVP	(Constr) 0
	LEG B		

Structural Defects | **Constructional Features**
Service Defects | **Miscellaneous Features**

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

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Lanes Group - Drainage CCTV Inspection report

Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	10
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			10.08 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**LEG A**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**F5**
Location:	Inside building	**Direction:**	F5 (U/S) LEG A	**D/S Depth(m):**	

Asset Use:	Foul waste	**Asset Dia (mm):**	150 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:90	Position	Observations and Remarks	Grade
F5	0.00	Start node type, manhole, reference number : F5	(Constr) 0
	0.01	Water level, 5% of the vertical dimension	(Serv) 0
LEG A	10.08	Finish node type, other special chamber reference number: LEG A Remarks: SVP	(Constr) 0

Structural Defects | **Constructional Features**
Service Defects | **Miscellaneous Features**

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

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Lanes Group - Drainage CCTV Inspection report

Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	11
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			9.48 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**F5**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**F6**
Location:	Inside building	**Direction:**	F6 (U/S) F5	**D/S Depth(m):**	

Asset Use:	Foul waste	**Asset Dia (mm):**	150 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:75	Position	Observations and Remarks	Grade
F6	0.00	Start node type, manhole, reference number : F6	(Constr) 0
	0.01	Water level, 5% of the vertical dimension	(Serv) 0
	8.03	Other obstacles, other , from 4 to 9 o'clock, 40% cross-sectional area loss Remarks: Wire woll in joint	(Serv) 5
	8.90	Hole in drain/sewer, at 3 o'clock Remarks: Hole in pipe	(Struct) 4
	9.48	Survey abandoned Remarks: Unable to pass wire wool	(Misc) 0



8.03 m



8.9 m

Structural Defects					Constructional Features				
Service Defects					Miscellaneous Features				
STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
1	80	8.99	80	4	1	10	1.12	10	5

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Observation Inspection Photographs:

City:	Road Name:	Date :	Section number :	Asset Size(mm):
Manchester	Tib Street	22/03/2020	11	150 mm

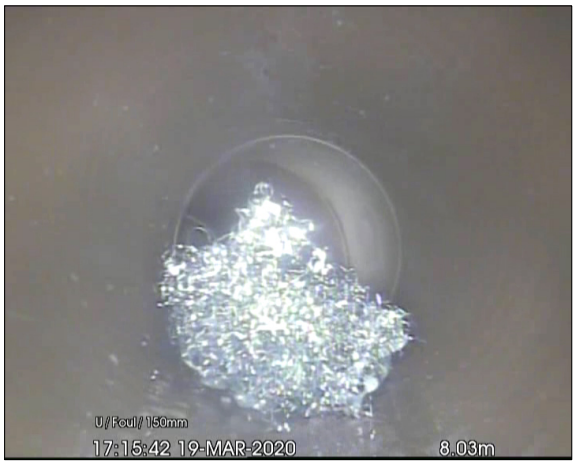

Photo: 311322032020110010_A.jpg
8.03m, Other obstacles, other , from 4 to 9 o'clock, 40% cross-sectional area loss



Photo: 411422032020110102_A.jpg
8.9m, Hole in drain/sewer, at 3 o'clock

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Lanes Group - Drainage CCTV Inspection report

Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	12
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			1.90 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**LEG A**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**F6**
Location:	Inside building	**Direction:**	F6 (U/S) LEG A	**D/S Depth(m):**	

Asset Use:	Foul waste	**Asset Dia (mm):**	100 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:50	Position	Observations and Remarks	Grade
F6			
	0.00	Start node type, manhole, reference number : F6	(Constr) 0
	0.01	Water level, 5% of the vertical dimension	(Serv) 0
	1.76	General remark Remarks: Hessein bag in line may not be connected	(Misc) 0
	1.76	Other obstacles, other , from 12 to 12 o'clock, 95% cross-sectional area loss Remarks: Sand bag	(Serv) 5
	1.90	Survey abandoned Remarks: Obstruction	(Misc) 0


1.76 m

Structural Defects					Constructional Features				
Service Defects					Miscellaneous Features				
STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	1	10	5.68	10	5

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Observation Inspection Photographs:

City:	Road Name:	Date :	Section number :	Asset Size(mm):
Manchester	Tib Street	22/03/2020	12	100 mm



Photo: 412422032020110420_A.jpg
1.76m, Other obstacles, other , from 12 to 12 o'clock, 95% cross-sectional area loss

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Lanes Group - Drainage CCTV Inspection report

Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	13
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			0.42 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**LEG B**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**F6**
Location:	Inside building	**Direction:**	F6 (U/S) LEG B	**D/S Depth(m):**	

Asset Use:	Foul waste	**Asset Dia (mm):**	100 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:50	Position	Observations and Remarks	Grade
F6	0.00	Start node type, manhole, reference number : F6	(Constr) 0
	0.01	Water level, 5% of the vertical dimension	(Serv) 0
	0.30	General remark Remarks: Pipe been reconnected not in use	(Misc) 0
	0.30	Collapsed drain/sewer Remarks: Collasped pipe	(Struct) 5
	0.42	Survey abandoned Remarks: Collaspe	(Misc) 0



0.3 m

Structural Defects | **Constructional Features**
Service Defects | **Miscellaneous Features**

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
1	**165**	**550**	**165**	**5**	**0**	**0**	**0**	**0**	**1**

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Observation Inspection Photographs:

City:	Road Name:	Date :	Section number :	Asset Size(mm):
Manchester	Tib Street	22/03/2020	13	100 mm



Photo: 413422032020110654_A.jpg
0.3m, Collapsed drain/sewer

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Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	14
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			12.27 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**F6**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**F7**
Location:	Inside building	**Direction:**	F7 (U/S) F6	**D/S Depth(m):**	

Asset Use:	Foul waste	**Asset Dia (mm):**	150 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:105	Position	Observations and Remarks	Grade
F7			
	0.00	Start node type, manhole, reference number : F7	(Constr) 0
	0.01	Water level, 5% of the vertical dimension	(Serv) 0
	9.65	Junction, at 1 o'clock, diameter 100mm Remarks: Live	(Constr) 0
	9.71	Junction, at 11 o'clock, diameter 100mm Remarks: Live	(Constr) 0
	12.27	Finish node type, manhole reference number: F6	(Constr) 0
F6			

Structural Defects | **Constructional Features**
Service Defects | **Miscellaneous Features**

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

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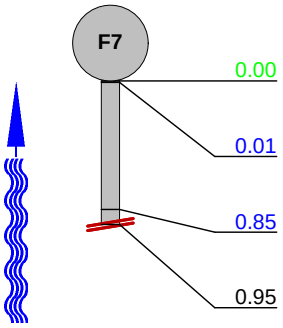
Lanes Group - Drainage CCTV Inspection report

Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	15
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			0.95 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**LEG A**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**F7**
Location:	Inside building	**Direction:**	F7 (U/S) LEG A	**D/S Depth(m):**	

Asset Use:	Foul waste	**Asset Dia (mm):**	100 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:50	Position	Observations and Remarks	Grade
	0.00	Start node type, manhole, reference number : F7	(Constr) 0
	0.01	Water level, 5% of the vertical dimension	(Serv) 0
	0.85	Line deviates left	(Serv) 0
	0.95	Survey abandoned Remarks: Unable to pass bend	(Misc) 0

Structural Defects					Constructional Features				
Service Defects					**Miscellaneous Features**				
STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**1**

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Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	16
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			6.72 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**LEG B**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**F7**
Location:	Inside building	**Direction:**	F7 (U/S) LEG B	**D/S Depth(m):**	

Asset Use:	Foul waste	**Asset Dia (mm):**	100 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:60	Position	Observations and Remarks	Grade
F7			
	0.00	Start node type, manhole, reference number : F7	(Constr) 0
	0.01	Water level, 5% of the vertical dimension	(Serv) 0
	0.83	Line deviates left	(Serv) 0
	0.83	Line deviates up	(Serv) 0
	2.59	Junction, at 9 o'clock, diameter 100mm	(Constr) 0
	3.01	Junction, at 9 o'clock, diameter 100mm	(Constr) 0
	6.29	Line deviates right	(Serv) 0
LEG B	6.72	Finish node type, other special chamber reference number: LEG B Remarks: SVP	(Constr) 0

Structural Defects | **Constructional Features**
Service Defects | **Miscellaneous Features**

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

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Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	17
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			13.17 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**F7**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**F8**
Location:	Inside building	**Direction:**	F8 (U/S) F7	**D/S Depth(m):**	

Asset Use:	Foul waste	**Asset Dia (mm):**	150 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:105	Position	Observations and Remarks	Grade
F8	0.00	Start node type, manhole, reference number : F8	(Constr) 0
	0.01	Water level, 5% of the vertical dimension	(Serv) 0
	13.17	Finish node type, manhole reference number: F7	(Constr) 0
F7			

Structural Defects | **Constructional Features**
Service Defects | **Miscellaneous Features**

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

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Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	18
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			13.23 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**F20**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**F8**
Location:	Inside building	**Direction:**	F8 (U/S) F20	**D/S Depth(m):**	

Asset Use:	Foul waste	**Asset Dia (mm):**	150 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:105	Position	Observations and Remarks	Grade
F8	0.00	Start node type, manhole, reference number : F8	(Constr) 0
	0.01	Water level, 5% of the vertical dimension	(Serv) 0
	11.63	Line deviates left	(Serv) 0
	13.23	Finish node type, manhole reference number: F20	(Constr) 0
F20			

Structural Defects | **Constructional Features**
Service Defects | **Miscellaneous Features**

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

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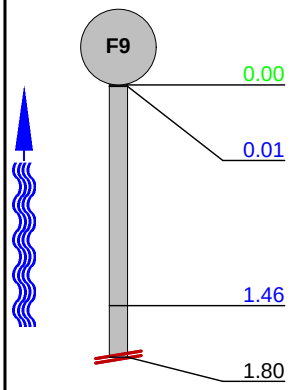
Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	19
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			1.80 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**LEG A**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**F9**
Location:	Inside building	**Direction:**	F9 (U/S) LEG A	**D/S Depth(m):**	

Asset Use:	Foul waste	**Asset Dia (mm):**	100 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:50	Position	Observations and Remarks	Grade
	0.00	Start node type, manhole, reference number : F9	(Constr) 0
	0.01	Water level, 5% of the vertical dimension	(Serv) 0
	1.46	Line deviates up	(Serv) 0
	1.80	Survey abandoned Remarks: Unable to pass bend	(Misc) 0

Structural Defects					Constructional Features				
Service Defects					**Miscellaneous Features**				
STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**1**

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22/03/2020	366196	CCTV	PETER	Dry	20
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			6.62 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**LEG B**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**F9**
Location:	Inside building	**Direction:**	F9 (U/S) LEG B	**D/S Depth(m):**	

Asset Use:	Foul waste	**Asset Dia (mm):**	100 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:60	Position	Observations and Remarks	Grade
F9			
	0.00	Start node type, manhole, reference number : F9	(Constr) 0
	0.01	Water level, 5% of the vertical dimension	(Serv) 0
	1.36	Line deviates up	(Serv) 0
	2.79	Line deviates left	(Serv) 0
	4.01	Junction, at 12 o'clock, diameter 100mm	(Constr) 0
	5.22	Junction, at 12 o'clock, diameter 100mm	(Constr) 0
	6.62	Finish node type, other special chamber reference number: LEG B Remarks: SVP	(Constr) 0
LEG B			

Structural Defects | **Constructional Features**
Service Defects | **Miscellaneous Features**

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

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Lanes Group - Drainage CCTV Inspection report

Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	21
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			8.01 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**F8**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**F9**
Location:	Inside building	**Direction:**	F9 (U/S) F8	**D/S Depth(m):**	

Asset Use:	Foul waste	**Asset Dia (mm):**	150 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:75	Position	Observations and Remarks	Grade
F9	0.00	Start node type, manhole, reference number : F9	(Constr) 0
	0.01	Water level, 5% of the vertical dimension	(Serv) 0
	1.45	Water level, 10% of the vertical dimension	(Serv) 0
	8.01	Finish node type, manhole reference number: F8	(Constr) 0
F8			

Structural Defects | **Constructional Features**
Service Defects | **Miscellaneous Features**

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

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Lanes Group - Drainage CCTV Inspection report

Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	22
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			3.64 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**F9**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**F11**
Location:	Inside building	**Direction:**	F11 (U/S) F9	**D/S Depth(m):**	

Asset Use:	Foul waste	**Asset Dia (mm):**	150 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:50	Position	Observations and Remarks	Grade
F11			
	0.00	Start node type, manhole, reference number : F11	(Constr) 0
	0.01	Water level, 10% of the vertical dimension	(Serv) 0
	3.64	Finish node type, manhole reference number: F9	(Constr) 0
F9			

Structural Defects | **Constructional Features**
Service Defects | **Miscellaneous Features**

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

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Lanes Group - Drainage CCTV Inspection report

Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	23
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			1.72 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**F10**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**F11**
Location:	Inside building	**Direction:**	F11 (U/S) F10	**D/S Depth(m):**	

Asset Use:	Foul waste	**Asset Dia (mm):**	150 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:50	Position	Observations and Remarks	Grade
F11			
	0.00	Start node type, manhole, reference number : F11	(Constr) 0
	0.01	Water level, 5% of the vertical dimension	(Serv) 0
	1.72	Finish node type, manhole reference number: F10	(Constr) 0
F10			

Structural Defects | **Constructional Features**

Service Defects | **Miscellaneous Features**

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

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Lanes Group - Drainage CCTV Inspection report

Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	24
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			8.48 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**F16**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**F10**
Location:	Inside building	**Direction:**	F10 (U/S) F16	**D/S Depth(m):**	

Asset Use:	Foul waste	**Asset Dia (mm):**	150 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:75	Position	Observations and Remarks	Grade
F10			
	0.00	Start node type, manhole, reference number : F10	(Constr) 0
	0.01	Water level, 5% of the vertical dimension	(Serv) 0
	7.52	Line deviates right	(Serv) 0
	8.48	Finish node type, manhole reference number: F16	(Constr) 0
F16			

Structural Defects | **Constructional Features**
Service Defects | **Miscellaneous Features**

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

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Lanes Group - Drainage CCTV Inspection report

Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	25
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			5.00 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**LEG A**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**F10**
Location:	Inside building	**Direction:**	F10 (U/S) LEG A	**D/S Depth(m):**	

Asset Use:	Foul waste	**Asset Dia (mm):**	100 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:50	Position	Observations and Remarks	Grade
F10			
	0.00	Start node type, manhole, reference number : F10	(Constr) 0
	0.01	Water level, 5% of the vertical dimension	(Serv) 0
	3.74	Junction, at 9 o'clock, diameter 100mm	(Constr) 0
	4.63	Junction, at 12 o'clock, diameter 100mm	(Constr) 0
LEG A	5.00	Finish node type, other special chamber reference number: LEG A Remarks: SVP	(Constr) 0

Structural Defects | **Constructional Features**
Service Defects | **Miscellaneous Features**

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

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Lanes Group - Drainage CCTV Inspection report

Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	26
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			8.63 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	F11
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	F12
Location:	Inside building	**Direction:**	F12 (U/S) F11	**D/S Depth(m):**	

Asset Use:	Foul waste	**Asset Dia (mm):**	150 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:75	Position	Observations and Remarks	Grade
F12			
	0.00	Start node type, manhole, reference number : F12	(Constr) 0
	0.01	Water level, 10% of the vertical dimension	(Serv) 0
	7.53	Other obstacles, other , from 1 to 2 o'clock, 10% cross-sectional area loss Remarks: Wire stuck in joint	(Serv) 5
	8.63	Finish node type, manhole reference number: F11	(Constr) 0
F11			


7.53 m

Structural Defects					Constructional Features				
Service Defects					**Miscellaneous Features**				
STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	**0**	**0**	**0**	**1**	**1**	**10**	**1.16**	**10**	**5**

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Observation Inspection Photographs:

City:	Road Name:	Date :	Section number :	Asset Size(mm):
Manchester	Tib Street	22/03/2020	26	150 mm



Photo: 326322032020114058_A.jpg
7.53m, Other obstacles, other , from 1 to 2 o'clock, 10% cross-sectional area loss

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Lanes Group - Drainage CCTV Inspection report

Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	27
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			1.98 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**LEG A**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**F12**
Location:	Inside building	**Direction:**	F12 (U/S) LEG A	**D/S Depth(m):**	

Asset Use:	Foul waste	**Asset Dia (mm):**	100 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:50	Position	Observations and Remarks	Grade
F12			
	0.00	Start node type, manhole, reference number : F12	(Constr) 0
	0.01	Water level, 5% of the vertical dimension	(Serv) 0
	1.98	General remark	(Misc) 0
LEG A			
	1.98	Finish node type, other special chamber reference number: LEG A Remarks: Capped off	(Constr) 0

Structural Defects | **Constructional Features**
Service Defects | **Miscellaneous Features**

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

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Lanes Group - Drainage CCTV Inspection report

Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	28
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			6.60 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**F12**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**F13**
Location:	Inside building	**Direction:**	F13 (U/S) F12	**D/S Depth(m):**	

Asset Use:	Foul waste	**Asset Dia (mm):**	150 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:60	Position	Observations and Remarks	Grade
F13			
	0.00	Start node type, manhole, reference number : F13	(Constr) 0
	0.01	Water level, 5% of the vertical dimension	(Serv) 0
	1.67	Junction, at 12 o'clock, diameter 100mm	(Constr) 0
	6.60	Finish node type, manhole reference number: F12	(Constr) 0
F12			

Structural Defects | **Constructional Features**
Service Defects | **Miscellaneous Features**

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

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Lanes Group - Drainage CCTV Inspection report

Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	29
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			0.84 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**LEG A**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**F14**
Location:	Inside building	**Direction:**	F14 (U/S) LEG A	**D/S Depth(m):**	

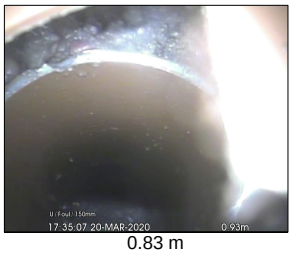
Asset Use:	Foul waste	**Asset Dia (mm):**	150 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

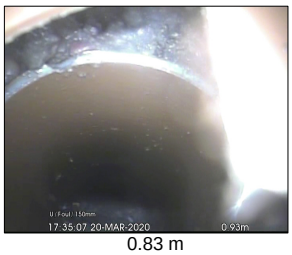
Comments:

1:50	Position	Observations and Remarks	Grade
F14	0.00	Start node type, manhole, reference number : F14	(Constr) 0
	0.01	Water level, 5% of the vertical dimension	(Serv) 0
	0.01	Settled deposits, hard or compacted, 20% cross-sectional area loss Remarks: Stones	(Serv) 4
	0.83	Open joint, large Remarks: No band seal requires patch	(Struct) 1
	0.83	Hole in drain/sewer, from 12 to 12 o'clock Remarks: No seal	(Struct) 5
	0.84	Survey abandoned Remarks: Open joint stones	(Misc) 0



0.01 m


0.83 m


0.83 m

Structural Defects					Constructional Features				
Service Defects					Miscellaneous Features				
STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
2	**167**	**201.2**	**167**	**5**	**1**	**5**	**6.02**	**5**	**5**

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Observation Inspection Photographs:

City:	Road Name:	Date :	Section number :	Asset Size(mm):
Manchester	Tib Street	22/03/2020	29	150 mm



Photo: 329322032020115149_A.jpg
0.01m, Settled deposits, hard or compacted, 20% cross-sectional area loss

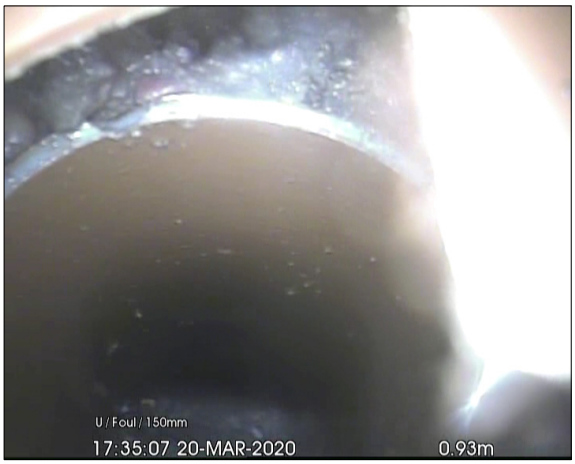

Photo: 429422032020115240_A.jpg
0.83m, Open joint, large

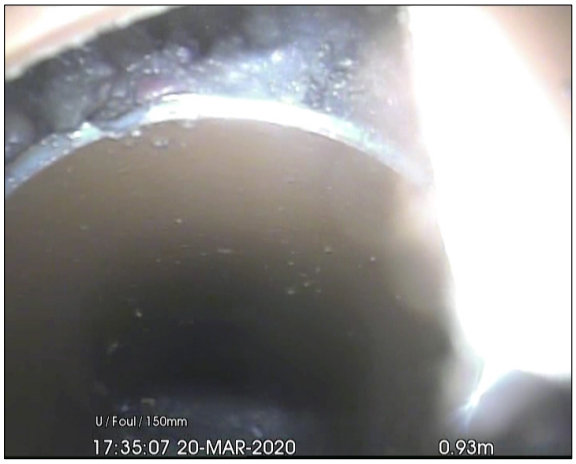

Photo: 529522032020115308_A.jpg
0.83m, Hole in drain/sewer, from 12 to 12 o'clock

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Lanes Group - Drainage CCTV Inspection report

Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	30
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			0.02 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**LEG B**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**F14**
Location:	Inside building	**Direction:**	F14 (U/S) LEG B	**D/S Depth(m):**	

Asset Use:	Foul waste	**Asset Dia (mm):**	150 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:50	Position	Observations and Remarks	Grade
F14	0.00	Start node type, manhole, reference number : F14	(Constr) 0
	0.01	Water level, 5% of the vertical dimension	(Serv) 0
	0.02	General remark Remarks: Diameter change 100 unable to get over	(Misc) 0
	0.02	Length of pipe forming drain/sewer changes, new length 100mm	(Misc) 0
	0.02	Survey abandoned Remarks: Unable to access pipe	(Misc) 0



0.02 m

Structural Defects					Constructional Features				
Service Defects					Miscellaneous Features				
STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

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Observation Inspection Photographs:

City:	Road Name:	Date :	Section number :	Asset Size(mm):
Manchester	Tib Street	22/03/2020	30	150 mm



Photo: 430422032020115648_A.jpg
0.02m, Length of pipe forming drain/sewer changes, new length 100mm

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Lanes Group - Drainage CCTV Inspection report

Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	31
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			7.37 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**F14**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**C1**
Location:	Inside building	**Direction:**	C1 (U/S) F14	**D/S Depth(m):**	

Asset Use:	Foul waste	**Asset Dia (mm):**	150 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:60	Position	Observations and Remarks	Grade
C1			
	0.00	Start node type, manhole, reference number : C1	(Constr) 0
	0.01	Water level, 5% of the vertical dimension	(Serv) 0
	0.45	Line deviates left	(Serv) 0
	7.37	Finish node type, manhole reference number: F14	(Constr) 0
F14			

Structural Defects | **Constructional Features**
Service Defects | **Miscellaneous Features**

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

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Lanes Group - Drainage CCTV Inspection report

Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	32
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			0.86 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**F15**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**C1**
Location:	Inside building	**Direction:**	C1 (U/S) F15	**D/S Depth(m):**	

Asset Use:	Foul waste	**Asset Dia (mm):**	150 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:50	Position	Observations and Remarks	Grade
C1	0.00	Start node type, manhole, reference number : C1	(Constr) 0
	0.01	Water level, 5% of the vertical dimension	(Serv) 0
	0.22	General remark Remarks: Drop shaft	(Misc) 0
	0.85	Other obstacles, other , from 12 to 12 o'clock, 95% cross-sectional area loss Remarks: Not in use	(Serv) 5
	0.86	Survey abandoned Remarks: Not in use	(Misc) 0



0.85 m

Structural Defects					Constructional Features				
Service Defects					Miscellaneous Features				
STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	**0**	**0**	**0**	**1**	**1**	**10**	**11.76**	**10**	**5**

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Observation Inspection Photographs:

City:	Road Name:	Date :	Section number :	Asset Size(mm):
Manchester	Tib Street	22/03/2020	32	150 mm



Photo: 432422032020120228_A.jpg
0.85m, Other obstacles, other , from 12 to 12 o'clock, 95% cross-sectional area loss

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Lanes Group - Drainage CCTV Inspection report

Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	33
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			6.19 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**C1**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**EX MH**
Location:	Inside building	**Direction:**	C1 (D/S) EX MH	**D/S Depth(m):**	

Asset Use:	Combined waste	**Asset Dia (mm):**	225 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:60	Position	Observations and Remarks	Grade
C1	0.00	Start node type, manhole, reference number : C1	(Constr) 0
	0.01	Water level, 10% of the vertical dimension	(Serv) 0
	0.76	Line deviates down	(Serv) 0
	2.05	Line deviates down	(Serv) 0
	2.91	Line deviates left	(Serv) 0
	4.62	Line deviates right	(Serv) 0
	5.67	Water level, 20% of the vertical dimension	(Serv) 0
EX MH	6.19	Finish node type, manhole reference number: EX MH	(Constr) 0

Structural Defects | **Constructional Features**
Service Defects | **Miscellaneous Features**

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

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Lanes Group - Drainage CCTV Inspection report

Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	34
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			3.77 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**LEG A**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**F20**
Location:	Inside building	**Direction:**	F20 (U/S) LEG A	**D/S Depth(m):**	

Asset Use:	Foul waste	**Asset Dia (mm):**	100 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:50	Position	Observations and Remarks	Grade
F20			
	0.00	Start node type, manhole, reference number : F20	(Constr) 0
	0.01	Water level, 5% of the vertical dimension	(Serv) 0
	2.59	Length of pipe forming drain/sewer changes, new length 100mm	(Misc) 0
	3.77	Finish node type, other special chamber reference number: LEG A Remarks: SVP	(Constr) 0
LEG A			

Structural Defects | **Constructional Features**
Service Defects | **Miscellaneous Features**

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

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Lanes Group - Drainage CCTV Inspection report

Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	35
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			3.18 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**LEG A**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**F16**
Location:	Inside building	**Direction:**	F16 (U/S) LEG A	**D/S Depth(m):**	

Asset Use:	Foul waste	**Asset Dia (mm):**	100 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:50	Position	Observations and Remarks	Grade
F16			
	0.00	Start node type, manhole, reference number : F16	(Constr) 0
	0.01	Water level, 5% of the vertical dimension	(Serv) 0
	3.18	Finish node type, other special chamber reference number: LEG A Remarks: SVP	(Constr) 0
LEG A			

Structural Defects | **Constructional Features**
Service Defects | **Miscellaneous Features**

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

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Lanes Group - Drainage CCTV Inspection report

Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	36
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			5.24 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**LEG B**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**F16**
Location:	Inside building	**Direction:**	F16 (U/S) LEG B	**D/S Depth(m):**	

Asset Use:	Foul waste	**Asset Dia (mm):**	100 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:50	Position	Observations and Remarks	Grade
F16			
	0.00	Start node type, manhole, reference number : F16	(Constr) 0
	0.01	Water level, 5% of the vertical dimension	(Serv) 0
	5.24	Finish node type, other special chamber reference number: LEG B Remarks: SVP	(Constr) 0
LEG B			

Structural Defects | **Constructional Features**
Service Defects | **Miscellaneous Features**

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

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Lanes Group - Drainage CCTV Inspection report

Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	37
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			9.42 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**LEG C**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**F16**
Location:	Inside building	**Direction:**	F16 (U/S) LEG C	**D/S Depth(m):**	

Asset Use:	Foul waste	**Asset Dia (mm):**	100 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:75	Position	Observations and Remarks	Grade
F16			
	0.00	Start node type, manhole, reference number : F16	(Constr) 0
	0.01	Water level, 5% of the vertical dimension	(Serv) 0
	2.98	Junction, at 9 o'clock, diameter 100mm	(Constr) 0
	8.78	Junction, at 9 o'clock, diameter 100mm	(Constr) 0
	9.42	Finish node type, other special chamber reference number: LEG C Remarks: SVP	(Constr) 0
LEG C			

Structural Defects | **Constructional Features**
Service Defects | **Miscellaneous Features**

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

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Lanes Group - Drainage CCTV Inspection report

Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	38
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			4.25 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**F13**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**C1**
Location:	Inside building	**Direction:**	C1 (U/S) F13	**D/S Depth(m):**	

Asset Use:	Foul waste	**Asset Dia (mm):**	150 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:50	Position	Observations and Remarks	Grade
C1	0.00	Start node type, manhole, reference number : C1	(Constr) 0
	0.01	Water level, 10% of the vertical dimension	(Serv) 0
F13	4.25	Finish node type, manhole reference number: F13	(Constr) 0

Structural Defects | **Constructional Features**
Service Defects | **Miscellaneous Features**

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

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Lanes Group - Drainage CCTV Inspection report

Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	39
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			6.58 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**LEG A**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**S1**
Location:	Inside building	**Direction:**	S1 (U/S) LEG A	**D/S Depth(m):**	

Asset Use:	Surface water	**Asset Dia (mm):**	150 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:60	Position	Observations and Remarks	Grade
S1	0.00	Start node type, manhole, reference number : S1	(Constr) 0
	0.01	Water level, 5% of the vertical dimension	(Serv) 0
	1.09	Line deviates right	(Serv) 0
	6.58	Finish node type, other special chamber reference number: LEG A Remarks: REP	(Constr) 0
LEG A			



Structural Defects					Constructional Features				
Service Defects					**Miscellaneous Features**				
STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**1**

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Lanes Group - Drainage CCTV Inspection report

Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	40
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			16.85 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**S1**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**S2**
Location:	Inside building	**Direction:**	S2 (U/S) S1	**D/S Depth(m):**	

Asset Use:	Surface water	**Asset Dia (mm):**	150 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:135	Position	Observations and Remarks	Grade
S2	0.00	Start node type, manhole, reference number : S2	(Constr) 0
	0.01	Water level, 5% of the vertical dimension	(Serv) 0
	16.85	Finish node type, manhole reference number: S1	(Constr) 0
S1			

Structural Defects | **Constructional Features**
Service Defects | **Miscellaneous Features**

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

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Lanes Group - Drainage CCTV Inspection report

Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	41
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			5.27 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**LEG B**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**S2**
Location:	Inside building	**Direction:**	S2 (U/S) LEG B	**D/S Depth(m):**	

Asset Use:	Surface water	**Asset Dia (mm):**	150 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:50	Position	Observations and Remarks	Grade
S2			
	0.00	Start node type, manhole, reference number : S2	(Constr) 0
	0.01	Water level, 5% of the vertical dimension	(Serv) 0
	2.45	Junction, at 9 o'clock, diameter 100mm	(Constr) 0
	3.42	Line deviates right	(Serv) 0
	5.27	Finish node type, other special chamber reference number: LEG B Remarks: RWP	(Constr) 0
LEG B			

Structural Defects | **Constructional Features**
Service Defects | **Miscellaneous Features**

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

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Lanes Group - Drainage CCTV Inspection report

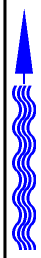
Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	42
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			3.36 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**LEG A**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**S2**
Location:	Inside building	**Direction:**	S2 (U/S) LEG A	**D/S Depth(m):**	

Asset Use:	Surface water	**Asset Dia (mm):**	100 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:50	Position	Observations and Remarks	Grade
S2			
	0.00	Start node type, manhole, reference number : S2	(Constr) 0
	0.01	Water level, 5% of the vertical dimension	(Serv) 0
	0.45	Line deviates up	(Serv) 0
	2.57	Line deviates up	(Serv) 0
	3.36	Survey abandoned Remarks: Unable to pass bend	(Misc) 0



Structural Defects | **Constructional Features**
Service Defects | **Miscellaneous Features**

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

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Lanes Group - Drainage CCTV Inspection report

Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	43
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			6.60 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**S3**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**S2**
Location:	Inside building	**Direction:**	S2 (U/S) S3	**D/S Depth(m):**	

Asset Use:	Surface water	**Asset Dia (mm):**	150 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:60	Position	Observations and Remarks	Grade
S2	0.00	Start node type, manhole, reference number : S2	(Constr) 0
	0.01	Water level, 5% of the vertical dimension	(Serv) 0
	6.60	Finish node type, manhole reference number: S3	(Constr) 0
S3			

Structural Defects | **Constructional Features**
Service Defects | **Miscellaneous Features**

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

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Lanes Group - Drainage CCTV Inspection report

Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	44
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			10.34 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**S2**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**S4**
Location:	Inside building	**Direction:**	S2 (D/S) S4	**D/S Depth(m):**	

Asset Use:	Surface water	**Asset Dia (mm):**	225 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:90	Position	Observations and Remarks	Grade
S2			
	0.00	Start node type, manhole, reference number : S2	(Constr) 0
	0.01	Water level, 5% of the vertical dimension	(Serv) 0
	10.34	Finish node type, manhole reference number: S4	(Constr) 0
S4			

Structural Defects | **Constructional Features**
Service Defects | **Miscellaneous Features**

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

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Lanes Group - Drainage CCTV Inspection report

Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	45
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			5.08 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**S4**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**S5 A**
Location:	Inside building	**Direction:**	S4 (D/S) S5 A	**D/S Depth(m):**	

Asset Use:	Surface water	**Asset Dia (mm):**	225 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:50	Position	Observations and Remarks	Grade
S4	0.00	Start node type, manhole, reference number : S4	(Constr) 0
	0.01	Water level, 5% of the vertical dimension	(Serv) 0
	1.33	Water level, 10% of the vertical dimension	(Serv) 0
	2.10	Water level, 20% of the vertical dimension	(Serv) 0
	3.75	Water level, 50% of the vertical dimension	(Serv) 0
	5.08	General remark Remarks: Hydrobrake in S5 A not working	(Misc) 0
	5.08	Loss of vision, camera under water	(Misc) 0
	5.08	Survey abandoned Remarks: Under water	(Misc) 0

Structural Defects | **Constructional Features**
Service Defects | **Miscellaneous Features**

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

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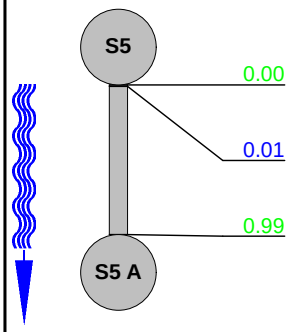
Lanes Group - Drainage CCTV Inspection report

Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	46
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			0.99 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**S5**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**S5 A**
Location:	Inside building	**Direction:**	S5 (D/S) S5 A	**D/S Depth(m):**	

Asset Use:	Surface water	**Asset Dia (mm):**	150 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:50	Position	Observations and Remarks	Grade
	0.00	Start node type, manhole, reference number : S5	(Constr) 0
	0.01	Water level, 5% of the vertical dimension	(Serv) 0
	0.99	Finish node type, manhole reference number: S5 A	(Constr) 0

Structural Defects | **Constructional Features**
Service Defects | **Miscellaneous Features**

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

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Lanes Group - Drainage CCTV Inspection report

Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	47
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			4.86 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**S6**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**S5 A**
Location:	Inside building	**Direction:**	S6 (D/S) S5 A	**D/S Depth(m):**	

Asset Use:	Surface water	**Asset Dia (mm):**	150 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:50	Position	Observations and Remarks	Grade
S6	0.00	Start node type, manhole, reference number : S6	(Constr) 0
	0.01	Water level, 5% of the vertical dimension	(Serv) 0
	3.55	Settled deposits, hard or compacted, 5% cross-sectional area loss Remarks: Few stone	(Serv) 3
	4.85	General remark Remarks: Back jet ony access	(Misc) 0
S5 A	4.86	Finish node type, manhole reference number: S5 A	(Constr) 0

Structural Defects | **Constructional Features**
Service Defects | **Miscellaneous Features**

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	1	2	0.41	2	3

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Lanes Group - Drainage CCTV Inspection report

Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	48
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			2.93 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**LEG A**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**S5**
Location:	Inside building	**Direction:**	S5 (U/S) LEG A	**D/S Depth(m):**	

Asset Use:	Surface water	**Asset Dia (mm):**	150 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:50	Position	Observations and Remarks	Grade
S5	0.00	Start node type, manhole, reference number : S5	(Constr) 0
	0.01	Water level, 5% of the vertical dimension	(Serv) 0
	2.22	Junction, at 3 o'clock, diameter 150mm	(Constr) 0
	2.93	Finish node type, other special chamber reference number: LEG A Remarks: RWP	(Constr) 0
LEG A			

Structural Defects | **Constructional Features**
Service Defects | **Miscellaneous Features**

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

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Lanes Group - Drainage CCTV Inspection report

Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	49
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			8.98 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**LEG A**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**S6**
Location:	Inside building	**Direction:**	S6 (U/S) LEG A	**D/S Depth(m):**	

Asset Use:	Surface water	**Asset Dia (mm):**	150 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:75	Position	Observations and Remarks	Grade
S6			
	0.00	Start node type, manhole, reference number : S6	(Constr) 0
	0.01	Water level, 5% of the vertical dimension	(Serv) 0
	3.13	Junction, at 12 o'clock, diameter 150mm	(Constr) 0
	6.11	Junction, at 2 o'clock, diameter 150mm	(Constr) 0
	8.98	Finish node type, other special chamber reference number: LEG A Remarks: SVP	(Constr) 0
LEG A			

Structural Defects | **Constructional Features**
Service Defects | **Miscellaneous Features**

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

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Lanes Group - Drainage CCTV Inspection report

Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	50
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			1.73 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**LEG B**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**S6**
Location:	Inside building	**Direction:**	S6 (U/S) LEG B	**D/S Depth(m):**	

Asset Use:	Surface water	**Asset Dia (mm):**	150 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:50	Position	Observations and Remarks	Grade
S6	0.00	Start node type, manhole, reference number : S6	(Constr) 0
	0.01	Water level, 5% of the vertical dimension	(Serv) 0
	0.52	Junction, at 10 o'clock, diameter 100mm	(Constr) 0
LEG B	1.73	Finish node type, other special chamber reference number: LEG B Remarks: End of run	(Constr) 0

Structural Defects | **Constructional Features**
Service Defects | **Miscellaneous Features**

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

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Lanes Group - Drainage CCTV Inspection report

Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	51
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			4.61 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**S10**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**S5**
Location:	Inside building	**Direction:**	S5 (U/S) S10	**D/S Depth(m):**	

Asset Use:	Surface water	**Asset Dia (mm):**	150 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:50	Position	Observations and Remarks	Grade
S5	0.00	Start node type, manhole, reference number : S5	(Constr) 0
	0.01	Water level, 5% of the vertical dimension	(Serv) 0
	4.61	Finish node type, manhole reference number: S10	(Constr) 0
S10			

Structural Defects | **Constructional Features**
Service Defects | **Miscellaneous Features**

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

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Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	52
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			12.74 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**LEG A**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**S10**
Location:	Inside building	**Direction:**	S10 (U/S) LEG A	**D/S Depth(m):**	

Asset Use:	Surface water	**Asset Dia (mm):**	150 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:105	Position	Observations and Remarks	Grade
S10			
	0.00	Start node type, manhole, reference number : S10	(Constr) 0
	0.01	Water level, 5% of the vertical dimension	(Serv) 0
	1.54	Water level, 5% of the vertical dimension	(Serv) 0
	10.37	Water level, 10% of the vertical dimension	(Serv) 0
	10.97	Junction, at 9 o'clock, diameter 150mm	(Constr) 0
	11.54	Line deviates left	(Serv) 0
LEG A	12.74	Finish node type, other special chamber reference number: LEG A Remarks: RWP	(Constr) 0

Structural Defects					Constructional Features				
Service Defects					Miscellaneous Features				
STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1

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Lanes Group - Drainage CCTV Inspection report

Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	53
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			11.06 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**LEG A**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**S9**
Location:	Inside building	**Direction:**	S9 (U/S) LEG A	**D/S Depth(m):**	

Asset Use:	Surface water	**Asset Dia (mm):**	100 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:90	Position	Observations and Remarks	Grade
S9			
	0.00	Start node type, manhole, reference number : S9	(Constr) 0
	0.01	Water level, 5% of the vertical dimension	(Serv) 0
	0.99	General remark Remarks: Pipe seems not for purpose	(Misc) 0
	0.99	General remark Remarks: Filter drain	(Misc) 0
	8.42	Deformed sewer/drain, 10%	(Struct) 4
	11.06	Survey abandoned Remarks: Pipe deformed	(Misc) 0

Structural Defects | **Constructional Features**
Service Defects | **Miscellaneous Features**

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
1	80	9.5	80	4	0	0	0	0	1

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Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	54
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			2.32 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**S9**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**MAIN**
Location:	Inside building	**Direction:**	S9 (D/S) MAIN	**D/S Depth(m):**	

Asset Use:	Surface water	**Asset Dia (mm):**	100 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:50	Position	Observations and Remarks	Grade
S9	0.00	Start node type, manhole, reference number : S9	(Constr) 0
	0.01	Water level, 5% of the vertical dimension	(Serv) 0
	1.31	Line deviates left	(Serv) 0
	1.31	Line deviates down	(Serv) 0
MAIN	2.32	General remark Remarks: Camera in main was cleaned	(Misc) 0

Structural Defects | **Constructional Features**
Service Defects | **Miscellaneous Features**

STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade

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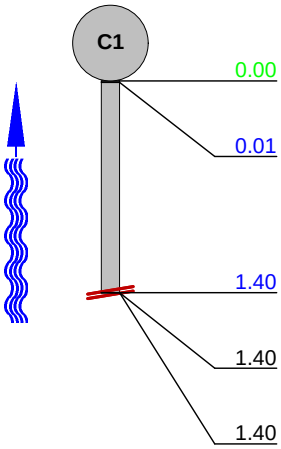
Date of survey:	Lanes Job number:	Method of Inspection:	CCTV Operator:	Weather:	Section Number:
22/03/2020	366196	CCTV	PETER	Dry	55
Main ground type:	**Vehicle:**	**Camera:**	**Preset:**	**Cover location:**	**Total Length (m):**
Concrete	PK63 KFW	Pushrod			1.40 m

Street/Road:	Tib Street	**Flow Control:**	No flow control	**U/S MH:**	**S8**
Town/City:	Manchester	**Pre-Cleaned:**	Yes	**U/S Depth(m):**	
Postcode:	M4 1SG	**Owner:**	Private	**D/S MH :**	**C1**
Location:	Inside building	**Direction:**	C1 (U/S) S8	**D/S Depth(m):**	

Asset Use:	Surface water	**Asset Dia (mm):**	225 mm
Asset type:	Carrier	**Asset width (mm):**	
Purpose:	Post construction	**Asset shape:**	Circular
Asset Lining:		**Asset material:**	Plastic (ribbed)

Comments:

1:50	Position	Observations and Remarks	Grade
	0.00	Start node type, manhole, reference number : C1	(Constr) 0
	0.01	Water level, 10% of the vertical dimension	(Serv) 0
	1.40	Line deviates down	(Serv) 0
	1.40	General remark Remarks: Line seems to be a syphon or major back fall	(Misc) 0
	1.40	Survey abandoned Remarks: Syphon/back fall	(Misc) 0

Structural Defects					Constructional Features				
Service Defects					Miscellaneous Features				
STR no def	STR peak	STR mean	STR total	STR grade	SER no def	SER peak	SER mean	SER total	SER grade
0	0	0	0	1	0	0	0	0	1