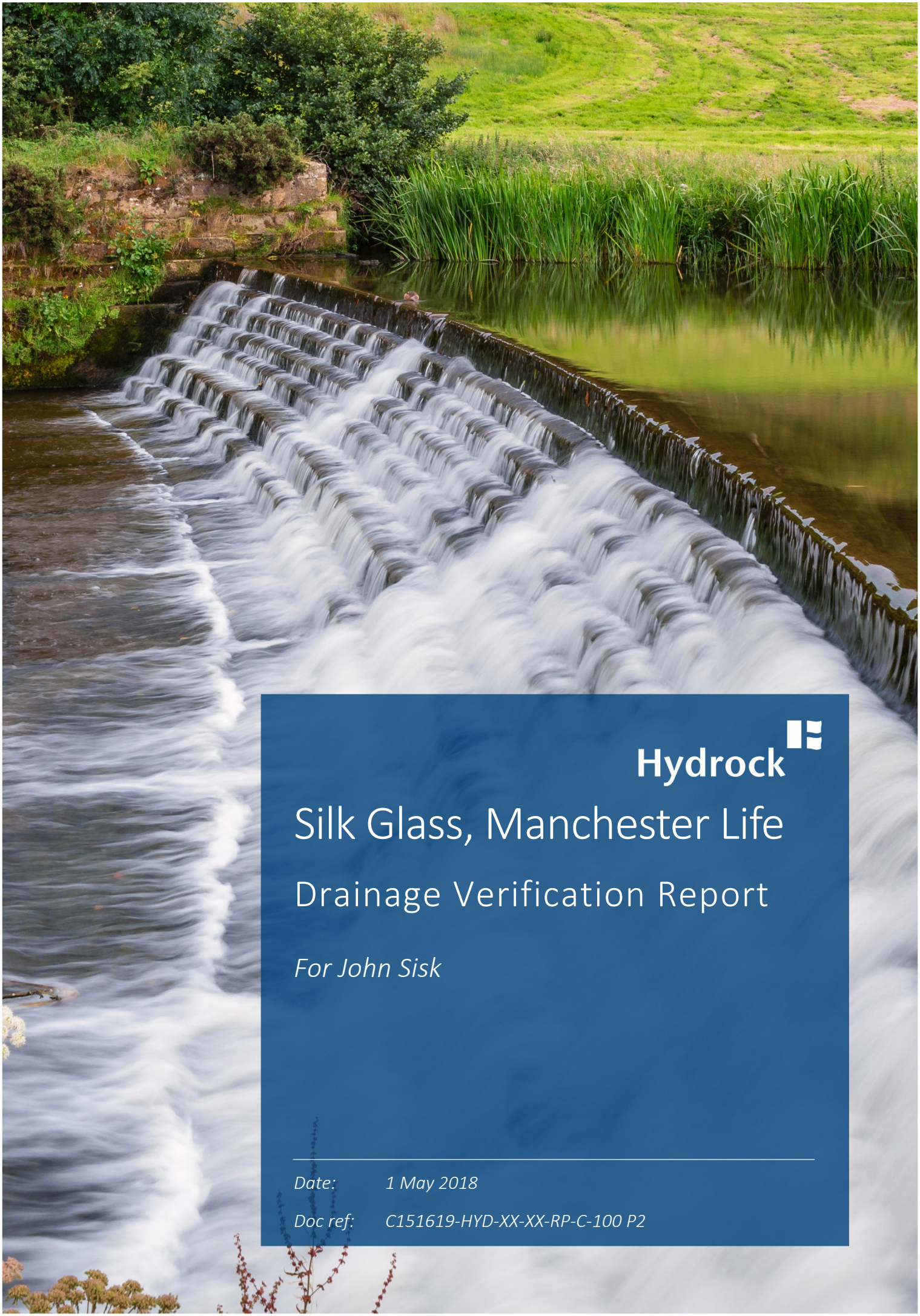


Hydrock

Silk Glass, Manchester Life

Drainage Verification Report

For John Sisk

Date: *1 May 2018*

Doc ref: *C151619-HYD-XX-XX-RP-C-100 P2*

DOCUMENT CONTROL SHEET

Issued by	Hydrock Consultants Limited Over Court Barns Over Lane Almondsbury Bristol BS32 4DF	Tel: 01454 619533 Fax: 01454 614125 www.hydrock.com
Client	John Sisk	
Project name	Silk Glass, Manchester Life	
Title	Drainage Verification Report	
Doc ref	C151619-HYD-XX-XX-RP-C-100 P2	
Project no.	C151619	
Status	FINAL	
Date	01/05/2018	

Document Production Record		
Issue Number	P2	Name
Prepared by		John Hayden Principal Engineer
Checked by		Jon Bird Director
Approved by		Jon Bird Director

Document Revision Record			
Issue Number	Status	Date	Revision Details
P2	FINAL	1sy May 2018	Appendices added

Hydrock Consultants Limited has prepared this report in accordance with the instructions of the above named client for their sole and specific use. Any third parties who may use the information contained herein do so at their own risk.

CONTENTS

1. INTRODUCTION 1
1.1 Background 1
1.2 Previously Submitted Documentation 1
2. VERIFICATION 1
2.1 Verification Requirements 1
2.2 Information provided 2
2.3 Verification 2
3. CONCLUSION 3

Appendices

Appendix A Site Record Photographs

Appendix B CCTV survey

Appendix C As Built Drawings

1. INTRODUCTION

1.1 Background

Hydrock Consultants Limited has been commissioned by John Sisk to prepare a Verification Report to support the discharge of Condition 3 of Planning Permission 108562/FO/2015/N1.

The condition reads as follows:

Notwithstanding the drainage strategy prepared by Arup stamped as received by the City Council, as Local Planning Authority on the 9th April 2015 and the response to consultee responses prepared by Deloitte stamped as received by the City Council, as Local Planning Authority, on the 4 June 2015, prior to the commencement of the development, a scheme for the drainage of surface water from the new development shall be submitted for approval in writing by the City Council as the Local Planning Authority.

The development shall then be constructed in accordance with the approved details, within a previously agreed timescale. Prior to first occupation of the development a verification report shall be submitted, including relevant photographic evidence, that the scheme has been implemented in accordance with the previously approved details.

1.2 Previously Submitted Documentation

To satisfy the pre-commencement element of the above condition the following drawings and documentation has previously been submitted to MCC:

C151619-HYD-XX-XX-DR-C-001 Revision C2 - Drainage Layout

C151619-HYD-XX-XX-DR-C-003 Revision P1 - Drainage Catchment Areas

C151619-HYD-XX-XX-DR-C-011 Revision C1 - Standard Drainage Details

Flood Water Location Plan (sketch)

Silk Glass Drainage Calculations dated 14.12.15

The above documentation was approved by MCC.

2. VERIFICATION

2.1 Verification Requirements

With reference to the information submitted at planning stage it can be seen that below ground attenuation and a flow control were to be installed to ensure that the surface water discharge rate from the site was limited to an agreed rate which would not increase flood risk. The rate was agreed at planning stage and is stated within the documentation submitted.

Additionally, trapped gullies, catch pits and a light liquid separator are incorporated into the network to provide pollution control. A trap was also incorporated at the final manhole to prevent odours escaping through the surface water network from the downstream combined drainage network.

The purpose of this verification report is to confirm that the below ground drainage network was installed in accordance with the approved drawings incorporating the measures that are required to prevent flood risk and pollution and which allow maintenance to be performed as required.

2.2 Information provided

In order to verify the drainage installed on site the Contractor; Jon Sisk provided the following information:

CCTV drainage surveys of the network, for both foul and surface water

Site record photographs

As Built Information

2.3 Verification

The above information has been reviewed and the principle features can be commented upon as follows:

2.3.1 Below Ground attenuation

Prior to installation of the below ground attenuation, design drawings were provided by the Contractors choice of manufacturer for comment by the Engineer. The Engineers' Hydrock provided comment. The attenuation design complies with requirements for access and attenuation volume requirement.

2.3.2 Flow Control

The flow control details submitted show a vortex flow control type. During construction and ordering of the product from the supplier it was found a vortex flow control would not suit the discharge rate and head design criteria. Therefore, to comply with the design criteria an orifice plate was installed. Building Control accepted this change. The discharge rate restriction complies with the approved design.

2.3.3 Light Liquid Separator

In compliance with the design a Class 1 Bypass Separator with high level alarm was installed.

2.3.4 Trap (to prevent odours from combined drainage network)

In addition to the drainage layout submitted at planning stage a 'interceptor' trap has been installed at the furthest downstream surface water manhole. The purpose of this trap is to prevent odours escaping through the surface water network from the downstream combined drainage.

2.3.5 CCTV Survey

The CCTV survey has raised some issues of defects in the installation of pipework. The contractor has confirmed that the issues stated within the survey have been rectified.

3. CONCLUSION

The information provided by the Contractor confirms that the below ground drainage was installed in compliance the approved drawings.

Appendix A Site Record Photographs



Attenuation Excavation



Attenuation Bedding



Attenuation in Place and Lined

Appendix B CCTV survey

Table of Contents

Project Name	Project Number:	Date:
ROSWICK NEW UNION STREET MANCHESTER STORM	**1**	**30/01/2018**

Project Information P-1
Section Profile P-2
Section Summary P-4
Project Summary P-16
Section: 1; INTERNAL - S11 1
Section: 2; LINE A - S1 2
Section: 3; LINE B - S1 3
Section: 4; S1 - S2 4
Section: 5; LINE A - S25 5
Section: 6; LINE B - S25 6
Section: 7; LINE C - S25 7
Section: 8; LINE A - S2 8
Section: 9; LINE B - S2 9
Section: 10; LINE C - S2 10
Section: 11; LINE A - S17 11
Section: 12; LINE B - S17 12
Section: 13; LINE A - S6 13
Section: 14; LINE B - S6 14
Section: 15; S5 - S6 15
Section: 16; LINE A - S5 16
Section: 17; S31 - S5 17
Section: 18; LINE A - S4 18
Section: 19; S3 - S4 19
Section: 20; LINE A - S3 20
Section: 21; LINE A - S20 21
Section: 22; S2 - S4 22
Section: 23; S4 - S8 23
Section: 24; S23 - S24 24
Section: 25; S23 - S24 25

Table of Contents

Project Name	Project Number:	Date:
ROSWICK NEW UNION STREET MANCHESTER STORM	**1**	**30/01/2018**

Section:26;S17-S18 26
Section:27;S16-S17 28
Section:28;LINE A-S17 29
Section:29;S18-S19 30
Section:30;S19-S20 31
Section:31;S21-S22 32
Section:32;LINE A-S21 33
Section:33;LINE A-S22 34
Section:34;S20-S22 35
Section:35;S22-ATT TANK 36
Section:36;LINE A-S7 37
Section:37;S24-CO1 38
Section:38;CO1-EXT 39
Section:39;S11-S12 40
Section:40;S29-S11 41
Section:41;S12-S25 42
Section:42;S25-S18 43

Project Information

Project Name:	Client's Ref:		Project Date:
ROSWICK NEW UNION STREET MANCHESTER STORM	**1**		**30/01/2018**

Contractor

Company:	BlockBusters Environmental Services NI Ltd
Department:	Operations
Street:	Win Business Park
Town or City:	6PH

Section Profile

Project Name:	Project Number:	Project Date:
ROSWICK NEW UNION STREET MANCHESTER STORM	**1**	**30/01/2018**

Section No.	Upstream Node	Downstream Node	Date	Road	Pipe Material	Expected Length [m]	Inspected Length [m]
8	LINE A	S2	30/01/2018	NEW UNION STREET	Polyvinyl chloride	20.68	20.68
9	LINE B	S2	30/01/2018	NEW UNION STREET	Polyvinyl chloride	15.16	15.16
10	LINE C	S2	30/01/2018	NEW UNION STREET	Polyvinyl chloride	5.60	5.60
11	LINE A	S17	30/01/2018	NEW UNION STREET	Polyvinyl chloride	11.97	11.97
33	LINE A	S22	30/01/2018	NEW UNION STREET	Polyvinyl chloride	18.32	18.32

5 x Circular 100 = 71.73 Expected Length [m] (71.73 Inspected Length [m])

Section No.	Upstream Node	Downstream Node	Date	Road	Pipe Material	Expected Length [m]	Inspected Length [m]
1	INTERNAL	S11	30/01/2018	NEW UNION STREET	Polyvinyl chloride	10.00	**3.51**
2	LINE A	S1	30/01/2018	NEW UNION STREET	Polyvinyl chloride	3.07	3.07
3	LINE B	S1	30/01/2018	NEW UNION STREET	Polyvinyl chloride	14.50	14.50
4	S1	S2	30/01/2018	NEW UNION STREET	Polyvinyl chloride	22.18	22.18
5	LINE A	S25	30/01/2018	NEW UNION STREET	Polyvinyl chloride	1.00	**0.98**
6	LINE B	S25	30/01/2018	NEW UNION STREET	Polyvinyl chloride	8.24	8.24
7	LINE C	S25	30/01/2018	NEW UNION STREET	Polyvinyl chloride	13.73	13.73
12	LINE B	S17	30/01/2018	NEW UNION STREET	Polyvinyl chloride	2.08	2.08
13	LINE A	S6	30/01/2018	NEW UNION STREET	Polyvinyl chloride	0.97	0.97
14	LINE B	S6	30/01/2018	NEW UNION STREET	Polyvinyl chloride	0.87	0.87
15	S5	S6	30/01/2018	NEW UNION STREET	Polyvinyl chloride	13.62	13.62
16	LINE A	S5	30/01/2018	NEW UNION STREET	Polyvinyl chloride	0.54	0.54
17	S31	S5	30/01/2018	NEW UNION STREET	Polyvinyl chloride	17.22	17.22
18	LINE A	S4	30/01/2018	NEW UNION STREET	Polyvinyl chloride	0.21	0.21
19	S3	S4	30/01/2018	NEW UNION STREET	Polyvinyl chloride	29.20	29.20
20	LINE A	S3	30/01/2018	NEW UNION STREET	Polyvinyl chloride	7.22	7.22
21	LINE A	S20	30/01/2018	NEW UNION STREET	Polyvinyl chloride	8.02	8.02
26	S17	S18	30/01/2018	NEW UNION STREET	Polyvinyl chloride	14.21	14.21
27	S16	S17	30/01/2018	NEW UNION STREET	Polyvinyl chloride	24.26	24.26
28	LINE A	S17	30/01/2018	NEW UNION STREET	Polyvinyl chloride	10.87	10.87

Section Profile

Project Name:	Project Number:	Project Date:
ROSWICK NEW UNION STREET MANCHESTER STORM	**1**	**30/01/2018**

31	S21	S22	30/01/2018	NEW UNION STREET	Polyvinyl chloride	29.67	29.67
32	LINE A	S21	30/01/2018	NEW UNION STREET	Polyvinyl chloride	9.86	9.86
36	LINE A	S7	30/01/2018	NEW UNION STREET	Polyvinyl chloride	8.46	8.46
39	S11	S12	30/01/2018	NEW UNION STREET	Polyvinyl chloride	8.80	8.80
40	S29	S11	30/01/2018	NEW UNION STREET	Polyvinyl chloride	35.50	35.50

25 x Circular 150 = 294.30 Expected Length [m] (287.79 Inspected Length [m])

Sectio No.	Upstream Node	Downstream Node	Date	Road	Pipe Material	Expected Length [m]	Inspected Length [m]
22	S2	S4	30/01/2018	NEW UNION STREET	Polyethylene	27.00	27.00
23	S4	S8	30/01/2018	NEW UNION STREET	Polyethylene	8.80	8.80
24	S23	S24	30/01/2018	NEW UNION STREET	Polyethylene	14.61	**0.90**
25	S23	S24	30/01/2018	NEW UNION STREET	Polyethylene	14.61	14.61
37	S24	CO1	30/01/2018	NEW UNION STREET	Polyvinyl chloride	18.48	18.48
38	CO1	EXT	30/01/2018	NEW UNION STREET	Polyvinyl chloride	12.63	12.63
41	S12	S25	30/01/2018	NEW UNION STREET	Polyethylene	19.30	19.30
42	S25	S18	30/01/2018	NEW UNION STREET	Polyethylene	19.10	19.10

8 x Circular 225 = 134.53 Expected Length [m] (120.82 Inspected Length [m])

Sectio No.	Upstream Node	Downstream Node	Date	Road	Pipe Material	Expected Length [m]	Inspected Length [m]
29	S18	S19	30/01/2018	NEW UNION STREET	Polyethylene	11.25	11.25
30	S19	S20	30/01/2018	NEW UNION STREET	Polyethylene	5.73	5.73
34	S20	S22	30/01/2018	NEW UNION STREET	Polyethylene	8.24	8.24
35	S22	ATT TANK	30/01/2018	NEW UNION STREET	Polyethylene	5.00	**3.18**

4 x Circular 300 = 30.22 Expected Length [m] (28.40 Inspected Length [m])

Total: 42 = 530.78 Expected Length [m] (508.74 Inspected Length [m])

Section Summary

Project Name:	Project Number:	Project Date:
ROSWICK NEW UNION STREET MANCHESTER STORM	**1**	**30/01/2018**

Number of sections	42
Total length of sewer network	530.78 m
Inspected length of sewer network	508.74 m
Not inspected length of sewer network	0.00 m
Total abandoned inspections	0
Number of section inspection photos	1
Number of section inspection videos	42
Number of section inspection scans	0
Number of section inclination measurements	0

Section Summary

Project Name:	Project Number:	Project Date:
ROSWICK NEW UNION STREET MANCHESTER STORM	**1**	**30/01/2018**

PLR:	INTERNALX	**Upstream Node:**	INTERNAL
Town or Village:		**Downstream Node:**	S11
Road:	NEW UNION STREET	**Dia/Height [mm]:**	150 mm
Expected Length [m]:	10.00 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : S11
2	0.00	WL	Water level, 5% of the vertical dimension
3	1.97	LU	Line deviates up
4	2.63	REM	General remark
5	3.51	SA	Survey abandoned

PLR:	LINE AX	**Upstream Node:**	LINE A
Town or Village:		**Downstream Node:**	S1
Road:	NEW UNION STREET	**Dia/Height [mm]:**	150 mm
Expected Length [m]:	3.07 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : S1
2	0.00	WL	Water level, 0% of the vertical dimension
3	1.09	SC	Dimension changes, 100mm high
4	3.07	REF	Finish node type, rodding eye reference number: LINE A

PLR:	LINE BX	**Upstream Node:**	LINE B
Town or Village:		**Downstream Node:**	S1
Road:	NEW UNION STREET	**Dia/Height [mm]:**	150 mm
Expected Length [m]:	14.50 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : S1
2	0.00	WL	Water level, 5% of the vertical dimension
3	14.50	GYF	Finish node type, gully reference number: LINE B

PLR:	S1X	**Upstream Node:**	S1
Town or Village:		**Downstream Node:**	S2
Road:	NEW UNION STREET	**Dia/Height [mm]:**	150 mm
Expected Length [m]:	22.18 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : S1
2	0.00	WL	Water level, 5% of the vertical dimension
3	19.66	JN	Junction, at 2 o'clock, diameter 150mm
4	22.18	MHF	Finish node type, manhole reference number: S2

PLR:	LINE AX	**Upstream Node:**	LINE A
Town or Village:		**Downstream Node:**	S25
Road:	NEW UNION STREET	**Dia/Height [mm]:**	150 mm
Expected Length [m]:	1.00 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : S25
2	0.00	WL	Water level, 5% of the vertical dimension
3	0.98	SA	Survey abandoned
4	0.98	SC	Dimension changes, 100mm high

Section Summary

Project Name:	Project Number:	Project Date:
ROSWICK NEW UNION STREET MANCHESTER STORM	**1**	**30/01/2018**

PLR:	LINE BX	**Upstream Node:**	LINE B
Town or Village:		**Downstream Node:**	S25
Road:	NEW UNION STREET	**Dia/Height [mm]:**	150 mm
Expected Length [m]:	8.24 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : S25
2	0.00	WL	Water level, 5% of the vertical dimension
3	0.32	LU	Line deviates up
4	2.96	REM	General remark
5	6.15	LL	Line deviates left
6	7.69	LU	Line deviates up
7	8.24	REF	Finish node type, rodding eye reference number: LINE B

PLR:	LINE CX	**Upstream Node:**	LINE C
Town or Village:		**Downstream Node:**	S25
Road:	NEW UNION STREET	**Dia/Height [mm]:**	150 mm
Expected Length [m]:	13.73 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : S25
2	0.00	WL	Water level, 5% of the vertical dimension
3	0.65	LU	Line deviates up
4	2.08	REM	General remark
5	13.07	LU	Line deviates up
6	13.73	REF	Finish node type, rodding eye reference number: LINE C

PLR:	LINE AX	**Upstream Node:**	LINE A
Town or Village:		**Downstream Node:**	S2
Road:	NEW UNION STREET	**Dia/Height [mm]:**	100 mm
Expected Length [m]:	20.68 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : S2
2	0.00	WL	Water level, 5% of the vertical dimension
3	0.30	LU	Line deviates up
4	1.42	REM	General remark
5	12.85	JN	Junction, at 9 o'clock, diameter 100mm
6	15.38	LL	Line deviates left
7	20.68	GYF	Finish node type, gully reference number: LINE A

PLR:	LINE BX	**Upstream Node:**	LINE B
Town or Village:		**Downstream Node:**	S2
Road:	NEW UNION STREET	**Dia/Height [mm]:**	100 mm
Expected Length [m]:	15.16 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : S2
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.32	LL	Line deviates left
4	1.75	LR	Line deviates right

Section Summary

Project Name:	Project Number:	Project Date:
ROSWICK NEW UNION STREET MANCHESTER STORM	**1**	**30/01/2018**

No.	m+	Code	Observation
5	4.94	LU	Line deviates up
6	5.38	REM	General remark
7	11.50	JN	Junction, at 3 o'clock, diameter 100mm
8	13.29	LR	Line deviates right
9	14.28	LL	Line deviates left
10	14.80	LR	Line deviates right
11	15.16	GYF	Finish node type, gully reference number: LINE B

PLR:	LINE CX	**Upstream Node:**	LINE C
Town or Village:		**Downstream Node:**	S2
Road:	NEW UNION STREET	**Dia/Height [mm]:**	100 mm
Expected Length [m]:	5.60 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : S2
2	0.00	WL	Water level, 5% of the vertical dimension
3	2.74	JN	Junction, at 9 o'clock, diameter 100mm
4	4.17	DES	Settled deposits, fine, 5% cross-sectional area loss
5	4.83	LU	Line deviates up
6	5.60	GYF	Finish node type, gully reference number: LINE C

PLR:	LINE AX	**Upstream Node:**	LINE A
Town or Village:		**Downstream Node:**	S17
Road:	NEW UNION STREET	**Dia/Height [mm]:**	100 mm
Expected Length [m]:	11.97 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : S17
2	0.00	WL	Water level, 5% of the vertical dimension
3	10.21	JN	Junction, at 9 o'clock, diameter 100mm
4	11.42	LU	Line deviates up
5	11.97	REF	Finish node type, rodding eye reference number: LINE A

PLR:	LINE BX	**Upstream Node:**	LINE B
Town or Village:		**Downstream Node:**	S17
Road:	NEW UNION STREET	**Dia/Height [mm]:**	150 mm
Expected Length [m]:	2.08 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : S17
2	0.00	WL	Water level, 5% of the vertical dimension
3	0.20	LR	Line deviates right
4	1.20	LU	Line deviates up
5	2.08	REF	Finish node type, rodding eye reference number: LINE B

PLR:	LINE AX	**Upstream Node:**	LINE A
Town or Village:		**Downstream Node:**	S6
Road:	NEW UNION STREET	**Dia/Height [mm]:**	150 mm
Expected Length [m]:	0.97 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation

Section Summary

Project Name:	Project Number:	Project Date:
ROSWICK NEW UNION STREET MANCHESTER STORM	**1**	**30/01/2018**

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : S6
2	0.00	WL	Water level, 5% of the vertical dimension
3	0.32	LU	Line deviates up
4	0.97	REF	Finish node type, rodding eye reference number: LINE A

PLR:	LINE BX	**Upstream Node:**	LINE B
Town or Village:		**Downstream Node:**	S6
Road:	NEW UNION STREET	**Dia/Height [mm]:**	150 mm
Expected Length [m]:	0.87 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : S6
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.20	LU	Line deviates up
4	0.87	REF	Finish node type, rodding eye reference number: LINE B

PLR:	S5X	**Upstream Node:**	S5
Town or Village:		**Downstream Node:**	S6
Road:	NEW UNION STREET	**Dia/Height [mm]:**	150 mm
Expected Length [m]:	13.62 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : S6
2	0.00	WL	Water level, 5% of the vertical dimension
3	13.62	MHF	Finish node type, manhole reference number: S5

PLR:	LINE AX	**Upstream Node:**	LINE A
Town or Village:		**Downstream Node:**	S5
Road:	NEW UNION STREET	**Dia/Height [mm]:**	150 mm
Expected Length [m]:	0.54 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : S5
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.54	REF	Finish node type, rodding eye reference number: LINE A

PLR:	S31X	**Upstream Node:**	S31
Town or Village:		**Downstream Node:**	S5
Road:	NEW UNION STREET	**Dia/Height [mm]:**	150 mm
Expected Length [m]:	17.22 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : S5
2	0.00	WL	Water level, 5% of the vertical dimension
3	0.40	WL	Water level, 10% of the vertical dimension
4	2.63	WL	Water level, 5% of the vertical dimension
5	17.22	MHF	Finish node type, manhole reference number: S31

PLR:	LINE AX	**Upstream Node:**	LINE A
Town or Village:		**Downstream Node:**	S4
Road:	NEW UNION STREET	**Dia/Height [mm]:**	150 mm
Expected Length [m]:	0.21 m	**Pipe Material:**	Polyvinyl chloride

Section Summary

Project Name:	Project Number:	Project Date:
ROSWICK NEW UNION STREET MANCHESTER STORM	**1**	**30/01/2018**

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : S4
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.21	REF	Finish node type, rodding eye reference number: LINE A

PLR:	S3X	**Upstream Node:**	S3
Town or Village:		**Downstream Node:**	S4
Road:	NEW UNION STREET	**Dia/Height [mm]:**	150 mm
Expected Length [m]:	29.20 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : S4
2	0.00	WL	Water level, 5% of the vertical dimension
3	6.90	DES	Settled deposits, fine, 5% cross-sectional area loss
4	8.70	DES	Settled deposits, fine, 5% cross-sectional area loss
5	14.17	JN	Junction, at 10 o'clock, diameter 150mm
6	27.50	LR	Line deviates right
7	29.20	MHF	Finish node type, manhole reference number: S3

PLR:	LINE AX	**Upstream Node:**	LINE A
Town or Village:		**Downstream Node:**	S3
Road:	NEW UNION STREET	**Dia/Height [mm]:**	150 mm
Expected Length [m]:	7.22 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : S3
2	0.00	WL	Water level, 0% of the vertical dimension
3	6.51	LR	Line deviates right
4	7.22	GYF	Finish node type, gully reference number: LINE A
5	7.22	LL	Line deviates left

PLR:	LINE AX	**Upstream Node:**	LINE A
Town or Village:		**Downstream Node:**	S20
Road:	NEW UNION STREET	**Dia/Height [mm]:**	150 mm
Expected Length [m]:	8.02 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : S20
2	0.00	WL	Water level, 0% of the vertical dimension
3	8.02	MHF	Finish node type, manhole reference number: LINE A

PLR:	S2X	**Upstream Node:**	S2
Town or Village:		**Downstream Node:**	S4
Road:	NEW UNION STREET	**Dia/Height [mm]:**	225 mm
Expected Length [m]:	27.00 m	**Pipe Material:**	Polyethylene

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : S4
2	0.00	WL	Water level, 5% of the vertical dimension
3	3.73	CN	Connection other than junction, at 10 o'clock, diameter 150mm
4	27.00	MHF	Finish node type, manhole reference number: S2

Section Summary

Project Name:	Project Number:	Project Date:
ROSWICK NEW UNION STREET MANCHESTER STORM	**1**	**30/01/2018**

PLR:	S4X	**Upstream Node:**	S4
Town or Village:		**Downstream Node:**	S8
Road:	NEW UNION STREET	**Dia/Height [mm]:**	225 mm
Expected Length [m]:	8.80 m	**Pipe Material:**	Polyethylene

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : S4
2	0.00	WL	Water level, 0% of the vertical dimension
3	8.80	JN	Junction, at 6 o'clock, diameter 225mm
4	8.80	MHF	Finish node type, manhole reference number: S8

PLR:	S23X	**Upstream Node:**	S23
Town or Village:		**Downstream Node:**	S24
Road:	NEW UNION STREET	**Dia/Height [mm]:**	225 mm
Expected Length [m]:	14.61 m	**Pipe Material:**	Polyethylene

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : S24
2	0.00	WL	Water level, 10% of the vertical dimension
3	0.10	WL	Water level, 20% of the vertical dimension
4	0.90	SA	Survey abandoned

PLR:	S23X	**Upstream Node:**	S23
Town or Village:		**Downstream Node:**	S24
Road:	NEW UNION STREET	**Dia/Height [mm]:**	225 mm
Expected Length [m]:	14.61 m	**Pipe Material:**	Polyethylene

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : S23
2	0.00	WL	Water level, 10% of the vertical dimension
3	14.61	MHF	Finish node type, manhole reference number: S24

PLR:	S17X	**Upstream Node:**	S17
Town or Village:		**Downstream Node:**	S18
Road:	NEW UNION STREET	**Dia/Height [mm]:**	150 mm
Expected Length [m]:	14.21 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : S18
2	0.00	WL	Water level, 5% of the vertical dimension
3	4.83	JN	Junction, at 9 o'clock, diameter 150mm
4	5.93	D	Deformed sewer/drain, 10%
5	6.37	JN	Junction, at 10 o'clock, diameter 150mm
6	14.21	MHF	Finish node type, manhole reference number: S17

PLR:	S16X	**Upstream Node:**	S16
Town or Village:		**Downstream Node:**	S17
Road:	NEW UNION STREET	**Dia/Height [mm]:**	150 mm
Expected Length [m]:	24.26 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : S17
2	0.00	WL	Water level, 5% of the vertical dimension
3	11.12	JN	Junction, at 10 o'clock, diameter 150mm

Section Summary

Project Name:	Project Number:	Project Date:
ROSWICK NEW UNION STREET MANCHESTER STORM	**1**	**30/01/2018**

No.	m+	Code	Observation
4	13.30	JN	Junction, at 2 o'clock, diameter 150mm
5	23.08	LL	Line deviates left
6	24.00	DES	Settled deposits, fine, 20% cross-sectional area loss
7	24.26	MHF	Finish node type, manhole reference number: S16

PLR:	LINE AX	**Upstream Node:**	LINE A
Town or Village:		**Downstream Node:**	S17
Road:	NEW UNION STREET	**Dia/Height [mm]:**	150 mm
Expected Length [m]:	10.87 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : S17
2	0.00	WL	Water level, 5% of the vertical dimension
3	0.10	SC	Dimension changes, 100mm high
4	1.09	WL	Water level, 20% of the vertical dimension
5	1.97	CUW	Loss of vision, camera under water
6	4.73	WL	Water level, 5% of the vertical dimension
7	10.65	LU	Line deviates up
8	10.87	REF	Finish node type, rodding eye reference number: LINE A

PLR:	S18X	**Upstream Node:**	S18
Town or Village:		**Downstream Node:**	S19
Road:	NEW UNION STREET	**Dia/Height [mm]:**	300 mm
Expected Length [m]:	11.25 m	**Pipe Material:**	Polyethylene

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : S18
2	0.00	WL	Water level, 5% of the vertical dimension
3	7.35	WL	Water level, 10% of the vertical dimension
4	7.36	CN	Connection other than junction, at 2 o'clock, diameter 150mm
5	11.25	MHF	Finish node type, manhole reference number: S19

PLR:	S19X	**Upstream Node:**	S19
Town or Village:		**Downstream Node:**	S20
Road:	NEW UNION STREET	**Dia/Height [mm]:**	300 mm
Expected Length [m]:	5.73 m	**Pipe Material:**	Polyethylene

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : S19
2	0.00	WL	Water level, 5% of the vertical dimension
3	5.73	MHF	Finish node type, manhole reference number: S20

PLR:	S21X	**Upstream Node:**	S21
Town or Village:		**Downstream Node:**	S22
Road:	NEW UNION STREET	**Dia/Height [mm]:**	150 mm
Expected Length [m]:	29.67 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : S22
2	0.00	WL	Water level, 5% of the vertical dimension
3	0.00	DES	Settled deposits, fine, 5% cross-sectional area loss

Section Summary

Project Name:	Project Number:	Project Date:
ROSWICK NEW UNION STREET MANCHESTER STORM	**1**	**30/01/2018**

No.	m+	Code	Observation
4	0.00	WL	Water level, 5% of the vertical dimension
5	0.10	LU	Line deviates up
6	1.09	REM	General remark
7	1.20	WL	Water level, 10% of the vertical dimension
8	5.38	LR	Line deviates right
9	5.38	WL	Water level, 5% of the vertical dimension
10	6.26	JN	Junction, at 3 o'clock, diameter 150mm
11	7.14	LL	Line deviates left
12	15.00	WL	Water level, 0% of the vertical dimension
13	28.97	LR	Line deviates right
14	29.67	MHF	Finish node type, manhole reference number: S21

PLR:	LINE AX	**Upstream Node:**	LINE A
Town or Village:		**Downstream Node:**	S21
Road:	NEW UNION STREET	**Dia/Height [mm]:**	150 mm
Expected Length [m]:	9.86 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : S21
2	0.00	WL	Water level, 0% of the vertical dimension
3	0.11	SC	Dimension changes, 100mm high
4	0.11	LR	Line deviates right
5	8.56	LR	Line deviates right
6	8.92	LR	Line deviates right
7	9.86	REF	Finish node type, rodding eye reference number: LINE A

PLR:	LINE AX	**Upstream Node:**	LINE A
Town or Village:		**Downstream Node:**	S22
Road:	NEW UNION STREET	**Dia/Height [mm]:**	100 mm
Expected Length [m]:	18.32 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : S22
2	0.00	WL	Water level, 5% of the vertical dimension
3	0.00	LU	Line deviates up
4	0.98	REM	General remark
5	18.21	LL	Line deviates left
6	18.32	REF	Finish node type, rodding eye reference number: LINE A

PLR:	S20X	**Upstream Node:**	S20
Town or Village:		**Downstream Node:**	S22
Road:	NEW UNION STREET	**Dia/Height [mm]:**	300 mm
Expected Length [m]:	8.24 m	**Pipe Material:**	Polyethylene

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : S22
2	0.00	WL	Water level, 10% of the vertical dimension
3	5.00	WL	Water level, 5% of the vertical dimension
4	8.24	MHF	Finish node type, manhole reference number: S20

Section Summary

Project Name:	Project Number:	Project Date:
ROSWICK NEW UNION STREET MANCHESTER STORM	**1**	**30/01/2018**

PLR:	S22X	**Upstream Node:**	S22
Town or Village:		**Downstream Node:**	ATT TANK
Road:	NEW UNION STREET	**Dia/Height [mm]:**	300 mm
Expected Length [m]:	5.00 m	**Pipe Material:**	Polyethylene

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : S22
2	0.00	WL	Water level, 10% of the vertical dimension
3	0.00	DES	Settled deposits, fine, 10% cross-sectional area loss
4	1.80	WL	Water level, 5% of the vertical dimension
5	1.86	LR	Line deviates right
6	2.96	WL	Water level, 30% of the vertical dimension
7	3.18	SA	Survey abandoned

PLR:	LINE AX	**Upstream Node:**	LINE A
Town or Village:		**Downstream Node:**	S7
Road:	NEW UNION STREET	**Dia/Height [mm]:**	150 mm
Expected Length [m]:	8.46 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : S7
2	0.00	WL	Water level, 5% of the vertical dimension
3	4.17	JN	Junction, at 9 o'clock, diameter 150mm
4	4.28	LR	Line deviates right
5	6.59	JN	Junction, at 9 o'clock, diameter 150mm
6	8.13	LU	Line deviates up
7	8.46	REF	Finish node type, rodding eye reference number: LINE A

PLR:	S24X	**Upstream Node:**	S24
Town or Village:		**Downstream Node:**	CO1
Road:	NEW UNION STREET	**Dia/Height [mm]:**	225 mm
Expected Length [m]:	18.48 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : CO1
2	0.00	WL	Water level, 10% of the vertical dimension
3	0.54	MC	Material changes, polyethylene
4	18.48	MHF	Finish node type, manhole reference number: S24

PLR:	CO1X	**Upstream Node:**	CO1
Town or Village:		**Downstream Node:**	EXT
Road:	NEW UNION STREET	**Dia/Height [mm]:**	225 mm
Expected Length [m]:	12.63 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : CO1
2	0.00	WL	Water level, 10% of the vertical dimension
3	12.63	JN	Junction, at 6 o'clock, diameter 225mm
4	12.63	MHF	Finish node type, manhole reference number: EXT

Section Summary

Project Name:	Project Number:	Project Date:
ROSWICK NEW UNION STREET MANCHESTER STORM	**1**	**30/01/2018**

PLR:	S11X	**Upstream Node:**	S11
Town or Village:		**Downstream Node:**	S12
Road:	NEW UNION STREET	**Dia/Height [mm]:**	150 mm
Expected Length [m]:	8.80 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : S12
2	0.00	WL	Water level, 5% of the vertical dimension
3	8.80	MHF	Finish node type, manhole reference number: S11

PLR:	S29X	**Upstream Node:**	S29
Town or Village:		**Downstream Node:**	S11
Road:	NEW UNION STREET	**Dia/Height [mm]:**	150 mm
Expected Length [m]:	35.50 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : S11
2	0.00	WL	Water level, 5% of the vertical dimension
3	4.60	JN	Junction, at 2 o'clock, diameter 100mm
4	9.60	JN	Junction, at 3 o'clock, diameter 100mm
5	12.30	JN	Junction, at 3 o'clock, diameter 100mm
6	15.40	JN	Junction, at 9 o'clock, diameter 150mm
7	16.70	JN	Junction, at 10 o'clock, diameter 150mm
8	19.00	JN	Junction, at 3 o'clock, diameter 100mm
9	20.80	JN	Junction, at 2 o'clock, diameter 150mm
10	35.50	MHF	Finish node type, manhole reference number: S29

PLR:	S12X	**Upstream Node:**	S12
Town or Village:		**Downstream Node:**	S25
Road:	NEW UNION STREET	**Dia/Height [mm]:**	225 mm
Expected Length [m]:	19.30 m	**Pipe Material:**	Polyethylene

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : S12
2	0.00	WL	Water level, 5% of the vertical dimension
3	1.70	LR	Line deviates right
4	7.00	CN	Connection other than junction, at 2 o'clock, diameter 100mm
5	13.00	CN	Connection other than junction, at 2 o'clock, diameter 150mm
6	19.30	MHF	Finish node type, manhole reference number: S25

PLR:	S25X	**Upstream Node:**	S25
Town or Village:		**Downstream Node:**	S18
Road:	NEW UNION STREET	**Dia/Height [mm]:**	225 mm
Expected Length [m]:	19.10 m	**Pipe Material:**	Polyethylene

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : S25
2	0.00	WL	Water level, 5% of the vertical dimension
3	7.50	CN	Connection other than junction, at 2 o'clock, diameter 150mm
4	8.90	CN	Connection other than junction, at 3 o'clock, diameter 150mm
5	18.90	LR	Line deviates right

Section Summary

Project Name:	Project Number:	Project Date:
ROSWICK NEW UNION STREET MANCHESTER STORM	**1**	**30/01/2018**

No.	m+	Code	Observation
6	19.10	MHF	Finish node type, manhole reference number: S18

Project Summary

Project Name:	Project Number:	Project Start Date:
ROSWICK NEW UNION STREET MANCHESTER STORM	**1**	**30/01/2018 08:33:36**

Section Summary

Sect. No.	PLR	Upstream Node	Downstream Node	Road	Town	Type	Use	Mat.	Profile	Length
1	INTERNALX	INTERNAL	S11	New Union Street		SEC	S	PVC	C 150/ mm	10.00 m
2	LINE AX	LINE A	S1	New Union Street		SEC	S	PVC	C 150/ mm	3.07 m
3	LINE BX	LINE B	S1	New Union Street		SEC	S	PVC	C 150/ mm	14.50 m
4	S1X	S1	S2	New Union Street		SEC	S	PVC	C 150/ mm	22.18 m
5	LINE AX	LINE A	S25	New Union Street		SEC	S	PVC	C 150/ mm	1.00 m
6	LINE BX	LINE B	S25	New Union Street		SEC	S	PVC	C 150/ mm	8.24 m
7	LINE CX	LINE C	S25	New Union Street		SEC	S	PVC	C 150/ mm	13.73 m
8	LINE AX	LINE A	S2	New Union Street		SEC	S	PVC	C 100/ mm	20.68 m
9	LINE BX	LINE B	S2	New Union Street		SEC	S	PVC	C 100/ mm	15.16 m
10	LINE CX	LINE C	S2	New Union Street		SEC	S	PVC	C 100/ mm	5.60 m
11	LINE AX	LINE A	S17	New Union Street		SEC	S	PVC	C 100/ mm	11.97 m
12	LINE BX	LINE B	S17	New Union Street		SEC	S	PVC	C 150/ mm	2.08 m
13	LINE AX	LINE A	S6	New Union Street		SEC	S	PVC	C 150/ mm	0.97 m
14	LINE BX	LINE B	S6	New Union Street		SEC	S	PVC	C 150/ mm	0.87 m
15	S5X	S5	S6	New Union Street		SEC	S	PVC	C 150/ mm	13.62 m
16	LINE AX	LINE A	S5	New Union Street		SEC	S	PVC	C 150/ mm	0.54 m
17	S31X	S31	S5	New Union Street		SEC	S	PVC	C 150/ mm	17.22 m
18	LINE AX	LINE A	S4	New Union Street		SEC	S	PVC	C 150/ mm	0.21 m
19	S3X	S3	S4	New Union Street		SEC	S	PVC	C 150/ mm	29.20 m
20	LINE AX	LINE A	S3	New Union Street		SEC	S	PVC	C 150/ mm	7.22 m
21	LINE AX	LINE A	S20	New Union Street		SEC	S	PVC	C 150/ mm	8.02 m
22	S2X	S2	S4	New Union Street		SEC	S	PE	C 225/ mm	27.00 m
23	S4X	S4	S8	New Union Street		SEC	S	PE	C 225/ mm	8.80 m
24	S23X	S23	S24	New Union Street		SEC	S	PE	C 225/ mm	14.61 m
25	S23X	S23	S24	New Union Street		SEC	S	PE	C 225/ mm	14.61 m
26	S17X	S17	S18	New Union Street		SEC	S	PVC	C 150/ mm	14.21 m
27	S16X	S16	S17	New Union Street		SEC	S	PVC	C 150/ mm	24.26 m
28	LINE AX	LINE A	S17	New Union Street		SEC	S	PVC	C 150/ mm	10.87 m
29	S18X	S18	S19	New Union Street		SEC	S	PE	C 300/ mm	11.25 m
30	S19X	S19	S20	New Union Street		SEC	S	PE	C 300/ mm	5.73 m

Project Summary

Project Name:	Project Number:	Project Start Date:
ROSWICK NEW UNION STREET MANCHESTER STORM	**1**	**30/01/2018 08:33:36**

Sect. No.	PLR	Upstream Node	Downstream Node	Road	Town	Type	Use	Mat.	Profile	Length
31	S21X	S21	S22	New Union Street		SEC	S	PVC	C 150/ mm	29.67 m
32	LINE AX	LINE A	S21	New Union Street		SEC	S	PVC	C 150/ mm	9.86 m
33	LINE AX	LINE A	S22	New Union Street		SEC	S	PVC	C 100/ mm	18.32 m
34	S20X	S20	S22	New Union Street		SEC	S	PE	C 300/ mm	8.24 m
35	S22X	S22	ATT TANK	New Union Street		SEC	S	PE	C 300/ mm	5.00 m
36	LINE AX	LINE A	S7	New Union Street		SEC	S	PVC	C 150/ mm	8.46 m
37	S24X	S24	CO1	New Union Street		SEC	S	PVC	C 225/ mm	18.48 m
38	CO1X	CO1	EXT	New Union Street		SEC	S	PVC	C 225/ mm	12.63 m
39	S11X	S11	S12	New Union Street		SEC	S	PVC	C 150/ mm	8.80 m
40	S29X	S29	S11	New Union Street		SEC	S	PVC	C 150/ mm	35.50 m
41	S12X	S12	S25	New Union Street		SEC	S	PE	C 225/ mm	19.30 m
42	S25X	S25	S18	New Union Street		SEC	S	PE	C 225/ mm	19.10 m
									Total:	**530.80 m**

Section Levels

Sect. No.	PLR	Upstream Node	Upstream C.L.	Upstream I.L.	Upstream I.D.	Downstream Node	Downstream C.L.	Downstream I.L.	Downstream I.D.
1	INTERNALX	INTERNAL			0.000 m	S11			0.000 m
2	LINE AX	LINE A			0.000 m	S1			0.000 m
3	LINE BX	LINE B			0.000 m	S1			0.000 m
4	S1X	S1			0.000 m	S2			0.000 m
5	LINE AX	LINE A			0.000 m	S25			0.000 m
6	LINE BX	LINE B			0.000 m	S25			0.000 m
7	LINE CX	LINE C			0.000 m	S25			0.000 m
8	LINE AX	LINE A			0.000 m	S2			0.000 m
9	LINE BX	LINE B			0.000 m	S2			0.000 m
10	LINE CX	LINE C			0.000 m	S2			0.000 m
11	LINE AX	LINE A			0.000 m	S17			0.000 m
12	LINE BX	LINE B			0.000 m	S17			0.000 m
13	LINE AX	LINE A			0.000 m	S6			0.000 m

Project Summary

Project Name:	Project Number:	Project Start Date:
ROSWICK NEW UNION STREET MANCHESTER STORM	**1**	**30/01/2018 08:33:36**

Sect. No.	PLR	Upstream Node	Upstream C.L.	Upstream I.L.	Upstream I.D.	Downstream Node	Downstream C.L.	Downstream I.L.	Downstream I.D.
14	LINE BX	LINE B			0.000 m	S6			0.000 m
15	S5X	S5			0.000 m	S6			0.000 m
16	LINE AX	LINE A			0.000 m	S5			0.000 m
17	S31X	S31			0.000 m	S5			0.000 m
18	LINE AX	LINE A			0.000 m	S4			0.000 m
19	S3X	S3			0.000 m	S4			0.000 m
20	LINE AX	LINE A			0.000 m	S3			0.000 m
21	LINE AX	LINE A			0.000 m	S20			0.000 m
22	S2X	S2			0.000 m	S4			0.000 m
23	S4X	S4			0.000 m	S8			0.000 m
24	S23X	S23			0.000 m	S24			0.000 m
25	S23X	S23			0.000 m	S24			0.000 m
26	S17X	S17			0.000 m	S18			0.000 m
27	S16X	S16			0.000 m	S17			0.000 m
28	LINE AX	LINE A			0.000 m	S17			0.000 m
29	S18X	S18			0.000 m	S19			0.000 m
30	S19X	S19			0.000 m	S20			0.000 m
31	S21X	S21			0.000 m	S22			0.000 m
32	LINE AX	LINE A			0.000 m	S21			0.000 m
33	LINE AX	LINE A			0.000 m	S22			0.000 m
34	S20X	S20			0.000 m	S22			0.000 m
35	S22X	S22			0.000 m	ATT TANK			0.000 m
36	LINE AX	LINE A			0.000 m	S7			0.000 m
37	S24X	S24			0.000 m	CO1			0.000 m
38	CO1X	CO1			0.000 m	EXT			0.000 m
39	S11X	S11			0.000 m	S12			0.000 m
40	S29X	S29			0.000 m	S11			0.000 m
41	S12X	S12			0.000 m	S25			0.000 m
42	S25X	S25			0.000 m	S18			0.000 m

Project Summary

Project Name:	Project Number:	Project Start Date:
ROSWICK NEW UNION STREET MANCHESTER STORM	**1**	**30/01/2018 08:33:36**

Section Summary by Profile

Profile		Total Length	No. Sections
C 100/ mm	=	71.7 m	5
C 150/ mm	=	294.3 m	25
C 225/ mm	=	134.5 m	8
C 300/ mm	=	30.2 m	4
Total	**=**	**530.8 m**	**42**

Inspection Summary

Sect. No.	Insp. No.	Upstream Node	Downstream Node	Dir.	Operator	Insp. Date	Insp. Time	Str	Ser	Final Observation	Length
1	1	INTERNAL	S11	US	Pat	30/01/2018	0:00	1	1	SA, UNABLE TO PASS DOUBLE BENDS	3.51 m
2	1	LINE A	S1	US	Pat	30/01/2018	0:00	1	1	REF, SEWER SEALED OFF	3.07 m
3	1	LINE B	S1	US	Pat	30/01/2018	0:00	1	1	GYF	14.50 m
4	1	S1	S2	US	Pat	30/01/2018	0:00	1	1	MHF	22.18 m
5	1	LINE A	S25	US	Pat	30/01/2018	0:00	1	1	SC	0.98 m
6	1	LINE B	S25	US	Pat	30/01/2018	0:00	1	1	REF, RWP	8.24 m
7	1	LINE C	S25	US	Pat	30/01/2018	0:00	1	1	REF, RWP	13.73 m
8	1	LINE A	S2	US	Pat	30/01/2018	0:00	1	1	GYF	20.68 m
9	1	LINE B	S2	US	Pat	30/01/2018	0:00	1	1	GYF	15.16 m
10	1	LINE C	S2	US	Pat	30/01/2018	0:00	1	1	GYF	5.60 m
11	1	LINE A	S17	US	Pat	30/01/2018	0:00	1	1	REF	11.97 m
12	1	LINE B	S17	US	Pat	30/01/2018	0:00	1	1	REF	2.08 m
13	1	LINE A	S6	US	Pat	30/01/2018	0:00	1	1	REF, DRAIN PLUGGED OFF	0.97 m
14	1	LINE B	S6	US	Pat	30/01/2018	0:00	1	1	REF	0.87 m
15	1	S5	S6	US	Pat	30/01/2018	0:00	1	1	MHF	13.62 m
16	1	LINE A	S5	US	Pat	30/01/2018	0:00	1	1	REF, DRAIN SEALED OFF	0.54 m
17	1	S31	S5	US	Pat	30/01/2018	0:00	1	1	MHF	17.22 m
18	1	LINE A	S4	US	Pat	30/01/2018	0:00	1	1	REF, DRAIN SEALED OFF	0.21 m
19	1	S3	S4	US	Pat	30/01/2018	0:00	1	1	MHF	29.20 m
20	1	LINE A	S3	US	Pat	30/01/2018	0:00	1	1	LL	7.22 m
21	1	LINE A	S20	US	Pat	30/01/2018	0:00	1	1	MHF	8.02 m

Project Summary

Project Name:	Project Number:	Project Start Date:
ROSWICK NEW UNION STREET MANCHESTER STORM	**1**	**30/01/2018 08:33:36**

Sect. No.	Insp. No.	Upstream Node	Downstream Node	Dir.	Operator	Insp. Date	Insp. Time	Str	Ser	Final Observation	Length
22	1	S2	S4	US	Pat	30/01/2018	0:00	1	1	MHF	27.00 m
23	1	S4	S8	US	Pat	30/01/2018	0:00	1	1	MHF	8.80 m
24	1	S23	S24	US	Pat	30/01/2018	0:00	1	1	SA, UNABLE TO VIEW PIPE	0.90 m
25	1	S23	S24	US	Pat	30/01/2018	0:00	1	1	MHF	14.61 m
26	1	S17	S18	US	Pat	30/01/2018	0:00	1	1	MHF	14.21 m
27	1	S16	S17	US	Pat	30/01/2018	0:00	1	1	MHF	24.26 m
28	1	LINE A	S17	US	Pat	30/01/2018	0:00	1	1	REF	10.87 m
29	1	S18	S19	US	Pat	30/01/2018	0:00	1	1	MHF	11.25 m
30	1	S19	S20	US	Pat	30/01/2018	0:00	1	1	MHF	5.73 m
31	1	S21	S22	US	Pat	30/01/2018	0:00	1	1	MHF	29.67 m
32	1	LINE A	S21	US	Pat	30/01/2018	0:00	1	1	REF	9.86 m
33	1	LINE A	S22	US	Pat	30/01/2018	0:00	1	1	REF	18.32 m
34	1	S20	S22	US	Pat	30/01/2018	0:00	1	1	MHF	8.24 m
35	1	S22	ATT TANK	US	Pat	30/01/2018	0:00	1	1	SA, CAMERA UNDERWATER	3.18 m
36	1	LINE A	S7	US	Pat	30/01/2018	0:00	1	1	REF	8.46 m
37	1	S24	CO1	US	Pat	30/01/2018	0:00	1	1	MHF	18.48 m
38	1	CO1	EXT	US	Pat	30/01/2018	0:00	1	1	MHF	12.63 m
39	1	S11	S12	US	Pat	30/01/2018	0:00	1	1	MHF	8.80 m
40	1	S29	S11	US	Pat	30/01/2018	0:00	1	1	MHF	35.50 m
41	1	S12	S25	US	Pat	30/01/2018	0:00	1	1	MHF	19.30 m
42	1	S25	S18	US	Pat	30/01/2018	0:00	1	1	MHF	19.10 m
										Total:	**508.74 m**

Inspection Summary by Profile

Profile		Total Length	No. Inspections
C 100/ mm	=	71.7 m	5
C 150/ mm	=	287.8 m	25
C 225/ mm	=	120.8 m	8
C 300/ mm	=	28.4 m	4
Total	**=**	**508.7 m**	**42**

Project Summary

Project Name:	Project Number:	Project Start Date:
ROSWICK NEW UNION STREET MANCHESTER STORM	**1**	**30/01/2018 08:33:36**

Defect Summary

CCTV Drainage Survey Observation Count

				General				Structural Condition									Service Condition							
Sect. No.	Insp. No.	Upstream Node	Downstream Node	Insp. Length (m)	No. Grade 4/5 Obs.	Survey Abandoned	Camera Under Water	Cracks	Fractures	Broken	Deformed	Collapsed	Holes	Surface Damage	Displaced Joints	Open Joints	Roots	Infiltration	Encrustation	Silt	Grease	Obstruction	Water Level	Line Deviates
1	1	INTERNAL	S11	3.5		1																	1	1
2	1	LINE A	S1	3.1																			1	
3	1	LINE B	S1	14.5																			1	
4	1	S1	S2	22.2																			1	
5	1	LINE A	S25	1.0		1																	1	
6	1	LINE B	S25	8.2																			1	3
7	1	LINE C	S25	13.7																			1	2
8	1	LINE A	S2	20.7																			1	2
9	1	LINE B	S2	15.2																			1	6
10	1	LINE C	S2	5.6																1			1	1
11	1	LINE A	S17	12.0																			1	1
12	1	LINE B	S17	2.1																			1	2
13	1	LINE A	S6	1.0																			1	1
14	1	LINE B	S6	0.9																			1	1
15	1	S5	S6	13.6																			1	
16	1	LINE A	S5	0.5																			1	
17	1	S31	S5	17.2																			3	
18	1	LINE A	S4	0.2																			1	
19	1	S3	S4	29.2																2			1	1
20	1	LINE A	S3	7.2																			1	2
21	1	LINE A	S20	8.0																			1	
22	1	S2	S4	27.0																			1	
23	1	S4	S8	8.8																			1	
24	1	S23	S24	0.9		1																	2	

Project Summary

Project Name:	Project Number:	Project Start Date:
ROSWICK NEW UNION STREET MANCHESTER STORM	**1**	**30/01/2018 08:33:36**

				General				Structural Condition									Service Condition							
Sect. No.	**Insp. No.**	**Upstream Node**	**Downstream Node**	**Insp. Length (m)**	**No. Grade 4/5 Obs.**	**Survey Abandoned**	**Camera Under Water**	**Cracks**	**Fractures**	**Broken**	**Deformed**	**Collapsed**	**Holes**	**Surface Damage**	**Displaced Joints**	**Open Joints**	**Roots**	**Infiltration**	**Encrustation**	**Silt**	**Grease**	**Obstruction**	**Water Level**	**Line Deviates**
25	1	S23	S24	14.6																			1	
26	1	S17	S18	14.2							1												1	
27	1	S16	S17	24.3																1			1	1
28	1	LINE A	S17	10.9			1																3	1
29	1	S18	S19	11.3																			2	
30	1	S19	S20	5.7																			1	
31	1	S21	S22	29.7																1			5	4
32	1	LINE A	S21	9.9																			1	3
33	1	LINE A	S22	18.3																			1	2
34	1	S20	S22	8.2																			2	
35	1	S22	ATT TANK	3.2		1														1			3	1
36	1	LINE A	S7	8.5																			1	2
37	1	S24	CO1	18.5																			1	
38	1	CO1	EXT	12.6																			1	
39	1	S11	S12	8.8																			1	
40	1	S29	S11	35.5																			1	
41	1	S12	S25	19.3																			1	1
42	1	S25	S18	19.1																			1	1
			Total:	**508.7**		**4**	**1**				**1**									**6**			**55**	**39**

BlockBusters Environmental Services NI Ltd
Win Business Park, 6PH

Section Inspection - 30/01/2018 - INTERNALX

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
1	**1**	**30/01/18**	**8:33**	**1**			**INTERNALX**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**1**

Town or Village:		Insp Dir:	**S11 << INTERNAL**	US MH:	**INTERNAL**
Road:	**New Union Street**	Inspected Length:	**3.51 m**	US Depth:	
Location:		Total Length:	**10.00 m**	DS MH:	**S11**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Surface water**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**150 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Pre-adoption survey prior to vesting as public sewer**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:91	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: **S11**						
	0.00	MH	Start node type, manhole, reference number : S11			
	0.00	WL	Water level, 5% of the vertical dimension	00:00:04		
	1.97	LU	Line deviates up	00:00:37		
	2.63	REM	General remark: LINE LEVELS	00:00:41		
	3.51	SA	Survey abandoned: UNABLE TO PASS DOUBLE BENDS	00:00:58		
	10.00		End of pipe			
INTERNAL **Depth:**						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Inspection - 30/01/2018 - LINE AX

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
2	**1**	**30/01/18**	**9:28**	**1**			**LINE AX**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**2**

Town or Village:		Insp Dir:	**S1 << LINE A**	US MH:	**LINE A**
Road:	**New Union Street**	Inspected Length:	**3.07 m**	US Depth:	
Location:		Total Length:	**3.07 m**	DS MH:	**S1**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Surface water**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**150 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Pre-adoption survey prior to vesting as public sewer**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
S1						
	0.00	MH	Start node type, manhole, reference number : S1			
	0.00	WL	Water level, 0% of the vertical dimension	00:00:03		
	1.09	SC	Dimension changes, 100mm high	00:00:18		
	3.07	REF	Finish node type, rodding eye reference number: LINE A: SEWER SEALED OFF	00:00:36		
LINE A						
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Inspection - 30/01/2018 - LINE BX

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
3	**1**	**30/01/18**	**9:30**	**1**			**LINE BX**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**3**

Town or Village:		Insp Dir:	**S1 << LINE B**	US MH:	**LINE B**
Road:	**New Union Street**	Inspected Length:	**14.50 m**	US Depth:	
Location:		Total Length:	**14.50 m**	DS MH:	**S1**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Surface water**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**150 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Pre-adoption survey prior to vesting as public sewer**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:132	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
S1						
	0.00	MH	Start node type, manhole, reference number : S1			
	0.00	WL	Water level, 5% of the vertical dimension	00:00:02		
	14.50	GYF	Finish node type, gully reference number: LINE B	00:00:00		
LINE B						
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

BlockBusters Environmental Services NI Ltd
Win Business Park, 6PH

Section Inspection - 30/01/2018 - S1X

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
4	**1**	**30/01/18**	**9:33**	**1**			**S1X**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**4**

Town or Village:		Insp Dir:	**S1 >> S2**	US MH:	**S1**
Road:	**New Union Street**	Inspected Length:	**22.18 m**	US Depth:	
Location:		Total Length:	**22.18 m**	DS MH:	**S2**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Surface water**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**150 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Pre-adoption survey prior to vesting as public sewer**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:201	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
S1						
	0.00	MH	Start node type, manhole, reference number : S1			
	0.00	WL	Water level, 5% of the vertical dimension	00:00:03		
	19.66	JN	Junction, at 2 o'clock, diameter 150mm	00:01:47		
	22.18	MHF	Finish node type, manhole reference number: S2	00:02:32		
S2						
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

BlockBusters Environmental Services NI Ltd
Win Business Park, 6PH

Section Inspection - 30/01/2018 - LINE AX

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
5	**1**	**30/01/18**	**9:37**	**1**			**LINE AX**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**5**

Town or Village:		Insp Dir:	**S25 << LINE A**	US MH:	**LINE A**
Road:	**New Union Street**	Inspected Length:	**0.98 m**	US Depth:	
Location:		Total Length:	**1.00 m**	DS MH:	**S25**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Surface water**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**150 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Pre-adoption survey prior to vesting as public sewer**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
S25						
	0.00	MH	Start node type, manhole, reference number : S25			
	0.00	WL	Water level, 5% of the vertical dimension	00:00:03		
	0.98	SA	Survey abandoned: UNABLE TO PASS DIAMETER CHANGE	00:00:00		
LINE A	0.98	SC	Dimension changes, 100mm high	00:00:23		
	1.00		End of pipe			
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Inspection - 30/01/2018 - LINE BX

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
6	**1**	**30/01/18**	**9:39**	**1**			**LINE BX**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**6**

Town or Village:		Insp Dir:	**S25 << LINE B**	US MH:	**LINE B**
Road:	**New Union Street**	Inspected Length:	**8.24 m**	US Depth:	
Location:		Total Length:	**8.24 m**	DS MH:	**S25**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Surface water**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**150 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Pre-adoption survey prior to vesting as public sewer**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:75	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
S25						
	0.00	MH	Start node type, manhole, reference number : S25			
	0.00	WL	Water level, 5% of the vertical dimension	00:00:02		
	0.32	LU	Line deviates up	00:00:14		
	2.96	REM	General remark: LINE LEVELS OUT	00:01:14		
	6.15	LL	Line deviates left	00:01:29		
	7.69	LU	Line deviates up	00:01:38		
	8.24	REF	Finish node type, rodding eye reference number: LINE B: RWP	00:01:46		
LINE B						
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Inspection - 30/01/2018 - LINE CX

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
7	**1**	**30/01/18**	**9:43**	**1**			**LINE CX**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**7**

Town or Village:		Insp Dir:	**S25 << LINE C**	US MH:	**LINE C**
Road:	**New Union Street**	Inspected Length:	**13.73 m**	US Depth:	
Location:		Total Length:	**13.73 m**	DS MH:	**S25**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Surface water**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**150 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Pre-adoption survey prior to vesting as public sewer**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:125 Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: **S25**					
0.00	MH	Start node type, manhole, reference number : S25			
0.00	WL	Water level, 5% of the vertical dimension	00:00:03		
0.65	LU	Line deviates up	00:00:31		
2.08	REM	General remark: LINE LEVELS OUT	00:00:50		
13.07	LU	Line deviates up	00:02:09		
13.73	REF	Finish node type, rodding eye reference number: LINE C: RWP	00:00:00		
LINE C **Depth:**					

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

BlockBusters Environmental Services NI Ltd
Win Business Park, 6PH

Section Inspection - 30/01/2018 - LINE AX

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
8	**1**	**30/01/18**	**9:50**	**1**			**LINE AX**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**8**

Town or Village:		Insp Dir:	**S2 << LINE A**	US MH:	**LINE A**
Road:	**New Union Street**	Inspected Length:	**20.68 m**	US Depth:	
Location:		Total Length:	**20.68 m**	DS MH:	**S2**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Surface water**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**100 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Pre-adoption survey prior to vesting as public sewer**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:188	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
S2						
	0.00	MH	Start node type, manhole, reference number : S2			
	0.00	WL	Water level, 5% of the vertical dimension	00:00:02		
	0.30	LU	Line deviates up	00:00:11		
	1.42	REM	General remark: LINE LEVELS	00:00:24		
	12.85	JN	Junction, at 9 o'clock, diameter 100mm	00:01:46		
	15.38	LL	Line deviates left: 15.38	00:02:04		
	20.68	GYF	Finish node type, gully reference number: LINE A	00:00:00		
LINE A						
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Inspection - 30/01/2018 - LINE BX

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
9	**1**	**30/01/18**	**9:55**	**1**			**LINE BX**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**9**

Town or Village:		Insp Dir:	**S2 << LINE B**	US MH:	**LINE B**
Road:	**New Union Street**	Inspected Length:	**15.16 m**	US Depth:	
Location:		Total Length:	**15.16 m**	DS MH:	**S2**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Surface water**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**100 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Pre-adoption survey prior to vesting as public sewer**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:



1:138 Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: **S2**					
0.00	MH	Start node type, manhole, reference number : S2			
0.00	WL	Water level, 0% of the vertical dimension	00:00:02		
0.32	LL	Line deviates left	00:00:12		
1.75	LR	Line deviates right	00:00:26		
4.94	LU	Line deviates up	00:00:54		
5.38	REM	General remark: LINE LEVELS	00:00:58		
11.50	JN	Junction, at 3 o'clock, diameter 100mm	00:01:57		
13.29	LR	Line deviates right	00:02:11		
14.28	LL	Line deviates left	00:02:17		
14.80	LR	Line deviates right	00:02:20		
LINE B					
15.16	GYF	Finish node type, gully reference number: LINE B	00:00:00		
Depth:					

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

BlockBusters Environmental Services NI Ltd
Win Business Park, 6PH

Section Inspection - 30/01/2018 - LINE CX

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
10	**1**	**30/01/18**	**10:00**	**1**			**LINE CX**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**10**

Town or Village:		Insp Dir:	**S2 << LINE C**	US MH:	**LINE C**
Road:	**New Union Street**	Inspected Length:	**5.60 m**	US Depth:	
Location:		Total Length:	**5.60 m**	DS MH:	**S2**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Surface water**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**100 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Pre-adoption survey prior to vesting as public sewer**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:51	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
S2						
	0.00	MH	Start node type, manhole, reference number : S2			
	0.00	WL	Water level, 5% of the vertical dimension	00:00:03		
	2.74	JN	Junction, at 9 o'clock, diameter 100mm	00:00:25		
	4.17	DES	Settled deposits, fine, 5% cross-sectional area loss	00:00:34		1
	4.83	LU	Line deviates up	00:00:37		
	5.60	GYF	Finish node type, gully reference number: LINE C	00:00:00		
LINE C						
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	1	0.0	0.0	0.0	1.0

BlockBusters Environmental Services NI Ltd
Win Business Park, 6PH

Section Inspection - 30/01/2018 - LINE AX

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
11	**1**	**30/01/18**	**10:11**	**1**			**LINE AX**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**11**

Town or Village:		Insp Dir:	**S17 << LINE A**	US MH:	**LINE A**
Road:	**New Union Street**	Inspected Length:	**11.97 m**	US Depth:	
Location:		Total Length:	**11.97 m**	DS MH:	**S17**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Surface water**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**100 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Pre-adoption survey prior to vesting as public sewer**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:109	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
S17						
	0.00	MH	Start node type, manhole, reference number : S17			
	0.00	WL	Water level, 5% of the vertical dimension	00:00:02		
	10.21	JN	Junction, at 9 o'clock, diameter 100mm	00:00:56		
	11.42	LU	Line deviates up	00:01:03		
	11.97	REF	Finish node type, rodding eye reference number: LINE A	00:01:07		
LINE A						
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Inspection - 30/01/2018 - LINE BX

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
12	**1**	**30/01/18**	**10:14**	**1**			**LINE BX**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**12**

Town or Village:		Insp Dir:	**S17 << LINE B**	US MH:	**LINE B**
Road:	**New Union Street**	Inspected Length:	**2.08 m**	US Depth:	
Location:		Total Length:	**2.08 m**	DS MH:	**S17**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Surface water**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**150 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Pre-adoption survey prior to vesting as public sewer**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
S17						
	0.00	MH	Start node type, manhole, reference number : S17			
	0.00	WL	Water level, 5% of the vertical dimension	00:00:02		
	0.20	LR	Line deviates right	00:00:11		
	1.20	LU	Line deviates up	00:00:20		
	2.08	REF	Finish node type, rodding eye reference number: LINE B	00:00:00		
LINE B						
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

BlockBusters Environmental Services NI Ltd
Win Business Park, 6PH

Section Inspection - 30/01/2018 - LINE AX

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
13	**1**	**30/01/18**	**10:44**	**1**			**LINE AX**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**13**

Town or Village:		Insp Dir:	**S6 << LINE A**	US MH:	**LINE A**
Road:	**New Union Street**	Inspected Length:	**0.97 m**	US Depth:	
Location:		Total Length:	**0.97 m**	DS MH:	**S6**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Surface water**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**150 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Pre-adoption survey prior to vesting as public sewer**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
S6						
	0.00	MH	Start node type, manhole, reference number : S6			
	0.00	WL	Water level, 5% of the vertical dimension	00:00:03		
	0.32	LU	Line deviates up	00:00:25		
LINE A	0.97	REF	Finish node type, rodding eye reference number: LINE A: DRAIN PLUGGED OFF	00:00:00		
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Inspection - 30/01/2018 - LINE BX

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
14	**1**	**30/01/18**	**10:46**	**1**			**LINE BX**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**14**

Town or Village:		Insp Dir:	**S6 << LINE B**	US MH:	**LINE B**
Road:	**New Union Street**	Inspected Length:	**0.87 m**	US Depth:	
Location:		Total Length:	**0.87 m**	DS MH:	**S6**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Surface water**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**150 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Pre-adoption survey prior to vesting as public sewer**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
S6						
	0.00	MH	Start node type, manhole, reference number : S6			
	0.00	WL	Water level, 0% of the vertical dimension	00:00:02		
	0.20	LU	Line deviates up	00:00:09		
LINE B	0.87	REF	Finish node type, rodding eye reference number: LINE B	00:00:00		
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

BlockBusters Environmental Services NI Ltd
Win Business Park, 6PH

Section Inspection - 30/01/2018 - S5X

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
15	**1**	**30/01/18**	**10:48**	**1**			**S5X**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**15**

Town or Village:		Insp Dir:	**S6 << S5**	US MH:	**S5**
Road:	**New Union Street**	Inspected Length:	**13.62 m**	US Depth:	
Location:		Total Length:	**13.62 m**	DS MH:	**S6**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Surface water**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**150 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Pre-adoption survey prior to vesting as public sewer**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:124	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
S6						
	0.00	MH	Start node type, manhole, reference number : S6			
	0.00	WL	Water level, 5% of the vertical dimension	00:00:03		
	13.62	MHF	Finish node type, manhole reference number: S5	00:00:00		
S5						
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Inspection - 30/01/2018 - LINE AX

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
16	**1**	**30/01/18**	**10:51**	**1**			**LINE AX**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**16**

Town or Village:		Insp Dir:	**S5 << LINE A**	US MH:	**LINE A**
Road:	**New Union Street**	Inspected Length:	**0.54 m**	US Depth:	
Location:		Total Length:	**0.54 m**	DS MH:	**S5**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Surface water**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**150 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Pre-adoption survey prior to vesting as public sewer**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
S5						
	0.00	MH	Start node type, manhole, reference number : S5			
	0.00	WL	Water level, 0% of the vertical dimension	00:00:02		
LINE A	0.54	REF	Finish node type, rodding eye reference number: LINE A: DRAIN SEALED OFF	00:00:00		
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

BlockBusters Environmental Services NI Ltd
Win Business Park, 6PH

Section Inspection - 30/01/2018 - S31X

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
17	**1**	**30/01/18**	**10:53**	**1**			**S31X**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**17**

Town or Village:		Insp Dir:	**S5 << S31**	US MH:	**S31**
Road:	**New Union Street**	Inspected Length:	**17.22 m**	US Depth:	
Location:		Total Length:	**17.22 m**	DS MH:	**S5**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Surface water**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**150 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Pre-adoption survey prior to vesting as public sewer**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:156	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
S5						
	0.00	MH	Start node type, manhole, reference number : S5			
	0.00	WL	Water level, 5% of the vertical dimension	00:00:02		
	0.40	WL	Water level, 10% of the vertical dimension	00:00:15		
	2.63	WL	Water level, 5% of the vertical dimension	00:00:20		
	17.22	MHF	Finish node type, manhole reference number: S31	00:00:00		
S31						
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Inspection - 30/01/2018 - LINE AX

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
18	**1**	**30/01/18**	**10:59**	**1**			**LINE AX**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**18**

Town or Village:		Insp Dir:	**S4 << LINE A**	US MH:	**LINE A**
Road:	**New Union Street**	Inspected Length:	**0.21 m**	US Depth:	
Location:		Total Length:	**0.21 m**	DS MH:	**S4**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Surface water**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**150 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Pre-adoption survey prior to vesting as public sewer**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
S4						
	0.00	MH	Start node type, manhole, reference number : S4			
	0.00	WL	Water level, 0% of the vertical dimension	00:00:03		
LINE A						
	0.21	REF	Finish node type, rodding eye reference number: LINE A: DRAIN SEALED OFF	00:00:00		
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

BlockBusters Environmental Services NI Ltd
Win Business Park, 6PH

Section Inspection - 30/01/2018 - S3X

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
19	**1**	**30/01/18**	**11:02**	**1**			**S3X**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**19**

Town or Village:		Insp Dir:	**S4 << S3**	US MH:	**S3**
Road:	**New Union Street**	Inspected Length:	**29.20 m**	US Depth:	
Location:		Total Length:	**29.20 m**	DS MH:	**S4**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Surface water**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**150 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Pre-adoption survey prior to vesting as public sewer**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:265	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
S4						
	0.00	MH	Start node type, manhole, reference number : S4			
	0.00	WL	Water level, 5% of the vertical dimension	00:00:02		
	6.90	DES	Settled deposits, fine, 5% cross-sectional area loss	00:01:10		1
	8.70	DES	Settled deposits, fine, 5% cross-sectional area loss	00:01:29		1
	14.17	JN	Junction, at 10 o'clock, diameter 150mm	00:02:13		
	27.50	LR	Line deviates right: SLIGHT	00:03:34		
	29.20	MHF	Finish node type, manhole reference number: S3	00:00:00		
S3						
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	2	0.0	0.0	0.0	1.0

BlockBusters Environmental Services NI Ltd
Win Business Park, 6PH

Section Inspection - 30/01/2018 - LINE AX

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
20	**1**	**30/01/18**	**11:08**	**1**			**LINE AX**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**20**

Town or Village:		Insp Dir:	**S3 << LINE A**	US MH:	**LINE A**
Road:	**New Union Street**	Inspected Length:	**7.22 m**	US Depth:	
Location:		Total Length:	**7.22 m**	DS MH:	**S3**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Surface water**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**150 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Pre-adoption survey prior to vesting as public sewer**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:66	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
S3						
	0.00	MH	Start node type, manhole, reference number : S3			
	0.00	WL	Water level, 0% of the vertical dimension	00:00:03		
	6.51	LR	Line deviates right	00:00:44		
	7.22	GYF	Finish node type, gully reference number: LINE A	00:00:00		
LINE A	7.22	LL	Line deviates left	00:00:50		
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

BlockBusters Environmental Services NI Ltd
Win Business Park, 6PH

Section Inspection - 30/01/2018 - LINE AX

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
21	**1**	**30/01/18**	**11:10**	**1**			**LINE AX**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**21**

Town or Village:		Insp Dir:	**S20 << LINE A**	US MH:	**LINE A**
Road:	**New Union Street**	Inspected Length:	**8.02 m**	US Depth:	
Location:		Total Length:	**8.02 m**	DS MH:	**S20**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Surface water**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**150 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Pre-adoption survey prior to vesting as public sewer**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:73	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
S20						
	0.00	MH	Start node type, manhole, reference number : S20			
	0.00	WL	Water level, 0% of the vertical dimension	00:00:02		
	8.02	MHF	Finish node type, manhole reference number: LINE A	00:00:00		
LINE A						
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

BlockBusters Environmental Services NI Ltd
Win Business Park, 6PH

Section Inspection - 30/01/2018 - S2X

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
22	**1**	**30/01/18**	**11:12**	**1**			**S2X**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**22**

Town or Village:		Insp Dir:	**S4 << S2**	US MH:	**S2**
Road:	**New Union Street**	Inspected Length:	**27.00 m**	US Depth:	
Location:		Total Length:	**27.00 m**	DS MH:	**S4**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Surface water**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**225 mm**
Year Constructed:		Pipe Material:	**Polyethylene**
Inspection Purpose:	**Pre-adoption survey prior to vesting as public sewer**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:245	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
S4						
	0.00	MH	Start node type, manhole, reference number : S4			
	0.00	WL	Water level, 5% of the vertical dimension	00:00:02		
	3.73	CN	Connection other than junction, at 10 o'clock, diameter 150mm	00:00:26		
	27.00	MHF	Finish node type, manhole reference number: S2	00:00:00		
S2						
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

BlockBusters Environmental Services NI Ltd
Win Business Park, 6PH

Section Inspection - 30/01/2018 - S4X

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
23	**1**	**30/01/18**	**11:17**	**1**			**S4X**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**23**

Town or Village:		Insp Dir:	**S4 >> S8**	US MH:	**S4**
Road:	**New Union Street**	Inspected Length:	**8.80 m**	US Depth:	
Location:		Total Length:	**8.80 m**	DS MH:	**S8**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Surface water**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**225 mm**
Year Constructed:		Pipe Material:	**Polyethylene**
Inspection Purpose:	**Pre-adoption survey prior to vesting as public sewer**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:80	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
S4						
	0.00	MH	Start node type, manhole, reference number : S4			
	0.00	WL	Water level, 0% of the vertical dimension	00:00:01		
	8.80	JN	Junction, at 6 o'clock, diameter 225mm: BACKDROP	00:00:00		
S8	8.80	MHF	Finish node type, manhole reference number: S8	00:00:00		
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

BlockBusters Environmental Services NI Ltd
Win Business Park, 6PH

Section Inspection - 30/01/2018 - S23X

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
24	**1**	**30/01/18**	**11:24**	**1**			**S23X**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**24**

Town or Village:		Insp Dir:	**S24 << S23**	US MH:	**S23**
Road:	**New Union Street**	Inspected Length:	**0.90 m**	US Depth:	
Location:		Total Length:	**14.61 m**	DS MH:	**S24**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Surface water**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**225 mm**
Year Constructed:		Pipe Material:	**Polyethylene**
Inspection Purpose:	**Pre-adoption survey prior to vesting as public sewer**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:133	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
S24						
	0.00	MH	Start node type, manhole, reference number : S24			
	0.00	WL	Water level, 10% of the vertical dimension	00:00:04		
	0.10	WL	Water level, 20% of the vertical dimension	00:00:00		
	0.90	SA	Survey abandoned: UNABLE TO VIEW PIPE	00:00:00		
	14.61		End of pipe			
S23						
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

BlockBusters Environmental Services NI Ltd
Win Business Park, 6PH

Section Inspection - 30/01/2018 - S23X

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
25	**1**	**30/01/18**	**11:28**	**1**			**S23X**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**25**

Town or Village:		Insp Dir:	**S23 >> S24**	US MH:	**S23**
Road:	**New Union Street**	Inspected Length:	**14.61 m**	US Depth:	
Location:		Total Length:	**14.61 m**	DS MH:	**S24**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Surface water**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**225 mm**
Year Constructed:		Pipe Material:	**Polyethylene**
Inspection Purpose:	**Pre-adoption survey prior to vesting as public sewer**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:133	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
S23						
	0.00	MH	Start node type, manhole, reference number : S23			
	0.00	WL	Water level, 10% of the vertical dimension	00:00:09		
	14.61	MHF	Finish node type, manhole reference number: S24	00:00:00		
S24						
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Inspection - 30/01/2018 - S17X

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
26	**1**	**30/01/18**	**11:51**	**1**			**S17X**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**26**

Town or Village:		Insp Dir:	**S18 << S17**	US MH:	**S17**
Road:	**New Union Street**	Inspected Length:	**14.21 m**	US Depth:	
Location:		Total Length:	**14.21 m**	DS MH:	**S18**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Surface water**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**150 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Pre-adoption survey prior to vesting as public sewer**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:129 Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:					
S18					
0.00	MH	Start node type, manhole, reference number : S18			
0.00	WL	Water level, 5% of the vertical dimension	00:00:05		
4.83	JN	Junction, at 9 o'clock, diameter 150mm	00:00:37		
5.93	D	Deformed sewer/drain, 10%	00:00:45	26_1_4_30012018_115953_A	
6.37	JN	Junction, at 10 o'clock, diameter 150mm	00:00:47		
14.21	MHF	Finish node type, manhole reference number: S17	00:00:00		
S17					
Depth:					

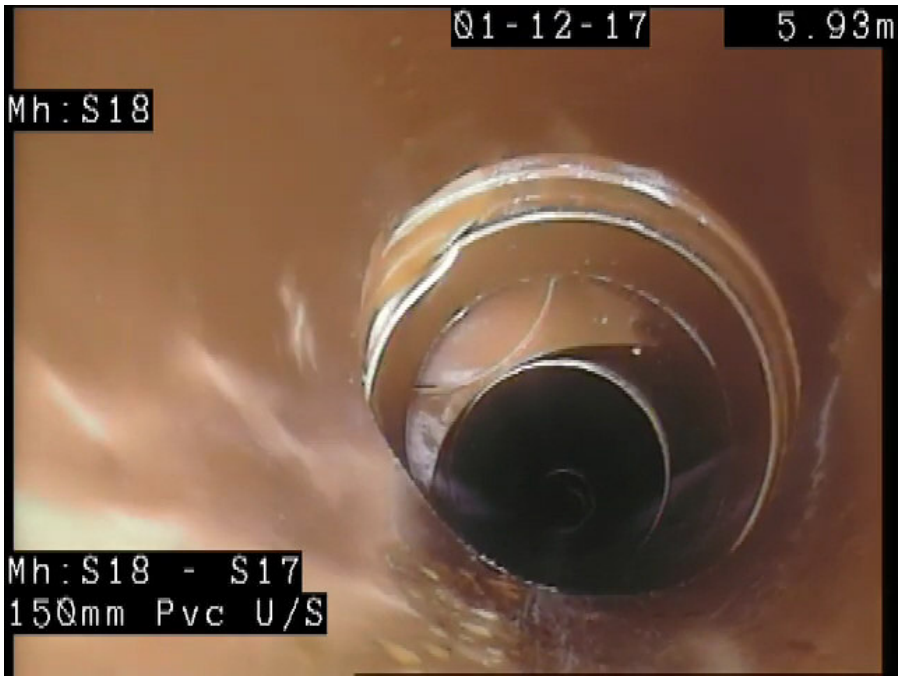
Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Pictures - 30/01/2018 - S17X

Section Number:	Inspection Direction:	PLR:	Client's Ref:	Contractor's Ref:
26	**S18 << S17**	**S17X**	**1**	



_48026bee-9b1d-419a-ae0d-0467c411b6e3.jpg, 00:00:45, 5.93m
Deformed sewer/drain, 10%

BlockBusters Environmental Services NI Ltd
Win Business Park, 6PH

Section Inspection - 30/01/2018 - S16X

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
27	**1**	**30/01/18**	**12:01**	**1**			**S16X**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**27**

Town or Village:		Insp Dir:	**S17 << S16**	US MH:	**S16**
Road:	**New Union Street**	Inspected Length:	**24.26 m**	US Depth:	
Location:		Total Length:	**24.26 m**	DS MH:	**S17**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Surface water**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**150 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Pre-adoption survey prior to vesting as public sewer**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:220	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
S17						
	0.00	MH	Start node type, manhole, reference number : S17			
	0.00	WL	Water level, 5% of the vertical dimension	00:00:05		
	11.12	JN	Junction, at 10 o'clock, diameter 150mm	00:01:07		
	13.30	JN	Junction, at 2 o'clock, diameter 150mm	00:01:19		
	23.08	LL	Line deviates left	00:02:03		
	24.00	DES	Settled deposits, fine, 20% cross-sectional area loss	00:00:00		1
S16						
	24.26	MHF	Finish node type, manhole reference number: S16	00:00:00		
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	1	0.0	0.0	0.0	1.0

Section Inspection - 30/01/2018 - LINE AX

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
28	**1**	**30/01/18**	**12:06**	**1**			**LINE AX**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**28**

Town or Village:		Insp Dir:	**S17 << LINE A**	US MH:	**LINE A**
Road:	**New Union Street**	Inspected Length:	**10.87 m**	US Depth:	
Location:		Total Length:	**10.87 m**	DS MH:	**S17**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Surface water**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**150 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Pre-adoption survey prior to vesting as public sewer**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:



1:99 Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node type, manhole, reference number : S17			
0.00	WL	Water level, 5% of the vertical dimension	00:00:03		
0.10	SC	Dimension changes, 100mm high	00:00:12		
1.09	WL	Water level, 20% of the vertical dimension	00:00:18		
1.97	CUW	Loss of vision, camera under water	00:00:23		
4.73	WL	Water level, 5% of the vertical dimension	00:00:32		
10.65	LU	Line deviates up	00:00:59		
10.87	REF	Finish node type, rodding eye reference number: LINE A	00:00:00		

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Inspection - 30/01/2018 - S18X

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
29	**1**	**30/01/18**	**12:09**	**1**			**S18X**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**29**

Town or Village:		Insp Dir:	**S18 >> S19**	US MH:	**S18**
Road:	**New Union Street**	Inspected Length:	**11.25 m**	US Depth:	
Location:		Total Length:	**11.25 m**	DS MH:	**S19**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Surface water**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**300 mm**
Year Constructed:		Pipe Material:	**Polyethylene**
Inspection Purpose:	**Pre-adoption survey prior to vesting as public sewer**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:102	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
S18						
	0.00	MH	Start node type, manhole, reference number : S18			
	0.00	WL	Water level, 5% of the vertical dimension	00:00:27		
	7.35	WL	Water level, 10% of the vertical dimension	00:00:39		
	7.36	CN	Connection other than junction, at 2 o'clock, diameter 150mm	00:00:39		
	11.25	MHF	Finish node type, manhole reference number: S19	00:00:00		
S19						
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Inspection - 30/01/2018 - S19X

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
30	**1**	**30/01/18**	**12:23**	**1**			**S19X**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**30**

Town or Village:		Insp Dir:	**S19 >> S20**	US MH:	**S19**
Road:	**New Union Street**	Inspected Length:	**5.73 m**	US Depth:	
Location:		Total Length:	**5.73 m**	DS MH:	**S20**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Surface water**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**300 mm**
Year Constructed:		Pipe Material:	**Polyethylene**
Inspection Purpose:	**Pre-adoption survey prior to vesting as public sewer**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:52	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
S19						
	0.00	MH	Start node type, manhole, reference number : S19			
	0.00	WL	Water level, 5% of the vertical dimension	00:00:06		
	5.73	MHF	Finish node type, manhole reference number: S20	00:00:00		
S20						
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

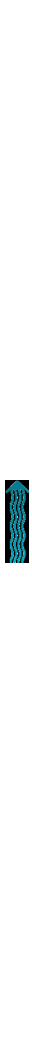
Section Inspection - 30/01/2018 - S21X

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
31	**1**	**30/01/18**	**12:24**	**1**			**S21X**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**31**

Town or Village:		Insp Dir:	**S22 << S21**	US MH:	**S21**
Road:	**New Union Street**	Inspected Length:	**29.67 m**	US Depth:	
Location:		Total Length:	**29.67 m**	DS MH:	**S22**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Surface water**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**150 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Pre-adoption survey prior to vesting as public sewer**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:



1:269 Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node type, manhole, reference number : S22			
0.00	WL	Water level, 5% of the vertical dimension	00:00:02		
0.00	DES	Settled deposits, fine, 5% cross-sectional area loss	00:00:02		1
0.00	WL	Water level, 5% of the vertical dimension	00:00:37		
0.10	LU	Line deviates up	00:00:09		
1.09	REM	General remark: LINE LEVELS	00:00:15		
1.20	WL	Water level, 10% of the vertical dimension	00:00:15		
5.38	LR	Line deviates right	00:00:37		
5.38	WL	Water level, 5% of the vertical dimension	00:00:37		
6.26	JN	Junction, at 3 o'clock, diameter 150mm	00:00:42		
7.14	LL	Line deviates left	00:00:47		
15.00	WL	Water level, 0% of the vertical dimension	00:01:32		
28.97	LR	Line deviates right	00:02:19		
29.67	MHF	Finish node type, manhole reference number: S21	00:00:00		

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	1	0.0	0.0	0.0	1.0

Section Inspection - 30/01/2018 - LINE AX

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
32	**1**	**30/01/18**	**12:30**	**1**			**LINE AX**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**32**

Town or Village:		Insp Dir:	**S21 << LINE A**	US MH:	**LINE A**
Road:	**New Union Street**	Inspected Length:	**9.86 m**	US Depth:	
Location:		Total Length:	**9.86 m**	DS MH:	**S21**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Surface water**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**150 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Pre-adoption survey prior to vesting as public sewer**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:90 Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: **S21**					
0.00	MH	Start node type, manhole, reference number : S21			
0.00	WL	Water level, 0% of the vertical dimension	00:00:02		
0.11	SC	Dimension changes, 100mm high	00:00:11		
0.11	LR	Line deviates right	00:00:11		
8.56	LR	Line deviates right	00:00:56		
8.92	LR	Line deviates right	00:01:01		
9.86	REF	Finish node type, rodding eye reference number: LINE A	00:00:00		
LINE A **Depth:**					

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Inspection - 30/01/2018 - LINE AX

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
33	**1**	**30/01/18**	**12:34**	**1**			**LINE AX**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**33**

Town or Village:		Insp Dir:	**S22 << LINE A**	US MH:	**LINE A**
Road:	**New Union Street**	Inspected Length:	**18.32 m**	US Depth:	
Location:		Total Length:	**18.32 m**	DS MH:	**S22**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Surface water**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**100 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Pre-adoption survey prior to vesting as public sewer**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:166	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
S22						
	0.00	MH	Start node type, manhole, reference number : S22			
	0.00	WL	Water level, 5% of the vertical dimension	00:00:06		
	0.00	LU	Line deviates up	00:00:11		
	0.98	REM	General remark: LINE LEVELS	00:00:11		
	18.21	LL	Line deviates left	00:01:18		
LINE A	18.32	REF	Finish node type, rodding eye reference number: LINE A	00:00:00		
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

BlockBusters Environmental Services NI Ltd
Win Business Park, 6PH

Section Inspection - 30/01/2018 - S20X

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
34	**1**	**30/01/18**	**12:37**	**1**			**S20X**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**34**

Town or Village:		Insp Dir:	**S22 << S20**	US MH:	**S20**
Road:	**New Union Street**	Inspected Length:	**8.24 m**	US Depth:	
Location:		Total Length:	**8.24 m**	DS MH:	**S22**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Surface water**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**300 mm**
Year Constructed:		Pipe Material:	**Polyethylene**
Inspection Purpose:	**Pre-adoption survey prior to vesting as public sewer**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:75	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: **S22**						
	0.00	MH	Start node type, manhole, reference number : S22			
	0.00	WL	Water level, 10% of the vertical dimension	00:00:05		
	5.00	WL	Water level, 5% of the vertical dimension	00:00:33		
	8.24	MHF	Finish node type, manhole reference number: S20	00:00:00		
S20 **Depth:**						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Inspection - 30/01/2018 - S22X

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
35	**1**	**30/01/18**	**12:40**	**1**			**S22X**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**35**

Town or Village:		Insp Dir:	**S22 >> ATT TANK**	US MH:	**S22**
Road:	**New Union Street**	Inspected Length:	**3.18 m**	US Depth:	
Location:		Total Length:	**5.00 m**	DS MH:	**ATT TANK**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Surface water**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**300 mm**
Year Constructed:		Pipe Material:	**Polyethylene**
Inspection Purpose:	**Pre-adoption survey prior to vesting as public sewer**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:



1:50 Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node type, manhole, reference number : S22			
0.00	WL	Water level, 10% of the vertical dimension	00:00:02		
0.00	DES	Settled deposits, fine, 10% cross-sectional area loss	00:00:02		1
1.80	WL	Water level, 5% of the vertical dimension	00:00:18		
1.86	LR	Line deviates right: SLIGHT	00:00:18		
2.96	WL	Water level, 30% of the vertical dimension	00:00:24		
3.18	SA	Survey abandoned: CAMERA UNDERWATER	00:00:00		
5.00		End of pipe			

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	1	0.0	0.0	0.0	1.0

Section Inspection - 30/01/2018 - LINE AX

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
36	**1**	**30/01/18**	**12:43**	**1**			**LINE AX**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**36**

Town or Village:		Insp Dir:	**S7 << LINE A**	US MH:	**LINE A**
Road:	**New Union Street**	Inspected Length:	**8.46 m**	US Depth:	
Location:		Total Length:	**8.46 m**	DS MH:	**S7**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Surface water**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**150 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Pre-adoption survey prior to vesting as public sewer**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:77	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
S7						
	0.00	MH	Start node type, manhole, reference number : S7			
	0.00	WL	Water level, 5% of the vertical dimension	00:00:06		
	4.17	JN	Junction, at 9 o'clock, diameter 150mm	00:00:36		
	4.28	LR	Line deviates right	00:00:38		
	6.59	JN	Junction, at 9 o'clock, diameter 150mm	00:00:52		
	8.13	LU	Line deviates up	00:01:03		
	8.46	REF	Finish node type, rodding eye reference number: LINE A	00:00:00		
LINE A						
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

BlockBusters Environmental Services NI Ltd
Win Business Park, 6PH

Section Inspection - 30/01/2018 - S24X

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
37	**1**	**30/01/18**	**12:47**	**1**			**S24X**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**37**

Town or Village:		Insp Dir:	**CO1 << S24**	US MH:	**S24**
Road:	**New Union Street**	Inspected Length:	**18.48 m**	US Depth:	
Location:		Total Length:	**18.48 m**	DS MH:	**CO1**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Surface water**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**225 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Pre-adoption survey prior to vesting as public sewer**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:



1:168	Position [m]	Code	Observation	MPEG	Photo	Grade
	0.00	MH	Start node type, manhole, reference number : CO1			
	0.00	WL	Water level, 10% of the vertical dimension	00:00:05		
	0.54	MC	Material changes, polyethylene	00:00:09		
	18.48	MHF	Finish node type, manhole reference number: S24	00:00:00		

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

BlockBusters Environmental Services NI Ltd
Win Business Park, 6PH

Section Inspection - 30/01/2018 - CO1X

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
38	**1**	**30/01/18**	**12:51**	**1**			**CO1X**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**38**

Town or Village:		Insp Dir:	**CO1 >> EXT**	US MH:	**CO1**
Road:	**New Union Street**	Inspected Length:	**12.63 m**	US Depth:	
Location:		Total Length:	**12.63 m**	DS MH:	**EXT**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Surface water**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**225 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Pre-adoption survey prior to vesting as public sewer**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:115	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
CO1	0.00	MH	Start node type, manhole, reference number : CO1			
	0.00	WL	Water level, 10% of the vertical dimension	00:00:07		
	12.63	JN	Junction, at 6 o'clock, diameter 225mm: BACKDROP	00:01:24		
EXT	12.63	MHF	Finish node type, manhole reference number: EXT	00:01:24		
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

BlockBusters Environmental Services NI Ltd
Win Business Park, 6PH

Section Inspection - 30/01/2018 - S11X

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
39	**1**	**30/01/18**	**14:52**	**1**			**S11X**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**39**

Town or Village:		Insp Dir:	**S12 << S11**	US MH:	**S11**
Road:	**New Union Street**	Inspected Length:	**8.80 m**	US Depth:	
Location:		Total Length:	**8.80 m**	DS MH:	**S12**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Surface water**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**150 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Pre-adoption survey prior to vesting as public sewer**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:80	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
S12						
	0.00	MH	Start node type, manhole, reference number : S12			
	0.00	WL	Water level, 5% of the vertical dimension	00:00:06		
	8.80	MHF	Finish node type, manhole reference number: S11	00:01:01		
S11						
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Inspection - 30/01/2018 - S29X

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
40	**1**	**30/01/18**	**14:54**	**1**			**S29X**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**40**

Town or Village:		Insp Dir:	**S11 << S29**	US MH:	**S29**
Road:	**New Union Street**	Inspected Length:	**35.50 m**	US Depth:	
Location:		Total Length:	**35.50 m**	DS MH:	**S11**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Surface water**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**150 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Pre-adoption survey prior to vesting as public sewer**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:322	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
S11						
	0.00	MH	Start node type, manhole, reference number : S11			
	0.00	WL	Water level, 5% of the vertical dimension	00:00:08		
	4.60	JN	Junction, at 2 o'clock, diameter 100mm	00:00:35		
	9.60	JN	Junction, at 3 o'clock, diameter 100mm	00:01:37		
	12.30	JN	Junction, at 3 o'clock, diameter 100mm	00:01:56		
	15.40	JN	Junction, at 9 o'clock, diameter 150mm	00:02:21		
	16.70	JN	Junction, at 10 o'clock, diameter 150mm	00:02:28		
	19.00	JN	Junction, at 3 o'clock, diameter 100mm	00:02:47		
	20.80	JN	Junction, at 2 o'clock, diameter 150mm	00:03:01		
	35.50	MHF	Finish node type, manhole reference number: S29	00:05:54		
S29						
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Inspection - 30/01/2018 - S12X

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
41	**1**	**30/01/18**	**15:04**	**1**			**S12X**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**41**

Town or Village:		Insp Dir:	**S12 >> S25**	US MH:	**S12**
Road:	**New Union Street**	Inspected Length:	**19.30 m**	US Depth:	
Location:		Total Length:	**19.30 m**	DS MH:	**S25**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Surface water**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**225 mm**
Year Constructed:		Pipe Material:	**Polyethylene**
Inspection Purpose:	**Pre-adoption survey prior to vesting as public sewer**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:175	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
S12						
	0.00	MH	Start node type, manhole, reference number : S12			
	0.00	WL	Water level, 5% of the vertical dimension	00:00:06		
	1.70	LR	Line deviates right	00:00:19		
	7.00	CN	Connection other than junction, at 2 o'clock, diameter 100mm	00:00:46		
	13.00	CN	Connection other than junction, at 2 o'clock, diameter 150mm	00:01:15		
	19.30	MHF	Finish node type, manhole reference number: S25	00:01:51		
S25						
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Inspection - 30/01/2018 - S25X

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
42	**1**	**30/01/18**	**15:08**	**1**			**S25X**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**42**

Town or Village:		Insp Dir:	**S25 >> S18**	US MH:	**S25**
Road:	**New Union Street**	Inspected Length:	**19.10 m**	US Depth:	
Location:		Total Length:	**19.10 m**	DS MH:	**S18**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Surface water**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**225 mm**
Year Constructed:		Pipe Material:	**Polyethylene**
Inspection Purpose:	**Pre-adoption survey prior to vesting as public sewer**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:173	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
S25						
	0.00	MH	Start node type, manhole, reference number : S25			
	0.00	WL	Water level, 5% of the vertical dimension	00:00:05		
	7.50	CN	Connection other than junction, at 2 o'clock, diameter 150mm	00:00:47		
	8.90	CN	Connection other than junction, at 3 o'clock, diameter 150mm	00:00:54		
	18.90	LR	Line deviates right: SLIGHT	00:01:47		
	19.10	MHF	Finish node type, manhole reference number: S18	00:01:47		
S18						
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

BlockBusters Environmental Services NI Ltd

ROSWICK NEW UNION STREET

MANCHESTER STORM

30 January 2018



WinCan Europe Ltd, 10 Woking Business park, Albertdrive, Woking, GU21 5JY
Telephone 01483762222 Facsimile 01483 762226
www.wincaneurope.com

GRADE 3,4 & 5 Summary

STRUCTURAL DEFECTS

Structural defects			
Section	PLR	Grade	Fault description
26	S17 X	4	Deformed sewer/drain, 10%

Grade 3; Best practice suggests consideration be given to repair in the medium term
Grade 4; Best practice suggests consideration be given to a repair to avoid potential collapse
Grade 5; Best practice suggests this pipe is at risk of collapse at any time; urgent consideration should be given to a repair to avoid collapse

SERVICE / OPERATIONAL DEFECTS

Service defects			
Section	PLR	Grade	Fault description
27	S16 X	3	Settled deposits, fine, 20% cross-sectional area loss
35	S22 X	3	Multiple defects at 0.0m

Grade 3; Best practice suggests consideration be given to maintenance activities in the medium term
Grade 4; Best practice suggests consideration be given to maintenance activity to avoid potential blockage
Grade 5; Best practice suggests this pipe is at immediate risk of backing up / causing flooding

Abandoned Surveys

Camera no access		
Section	PLR	Fault description
1	INTERNAL X	General remark
5	LINE A X	Water level, 5% of the vertical dimension
24	S23 X	Water level, 20% of the vertical dimension
35	S22 X	Water level, 30% of the vertical dimension

Information

These summaries are based on the SRM grading from the WRC

BlockBusters Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Newry, BT35 6PH
Tel.: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Table of contents

Project Name:	Project number:	Date:	Contact:	
ROSWICK NEW UNION ST		30/01/2018		

SRMReport : sNameSRMEReport 1

Inspection: 1

Project Information 3

Section: 1, INTERNAL --- S11 4

Section: 2, LINE A --- S1 5

Section: 3, LINE B --- S1 6

Section: 4, S1 --- S2 7

Section: 5, LINE A --- S25 8

Section: 6, LINE B --- S25 9

Section: 7, LINE C --- S25 10

Section: 8, LINE A --- S2 11

Section: 9, LINE B --- S2 12

Section: 10, LINE C --- S2 13

Section: 11, LINE A --- S17 14

Section: 12, LINE B --- S17 15

Section: 13, LINE A --- S6 16

Section: 14, LINE B --- S6 17

Section: 15, S5 --- S6 18

Section: 16, LINE A --- S5 19

Section: 17, S31 --- S5 20

Section: 18, LINE A --- S4 21

Section: 19, S3 --- S4 22

Section: 20, LINE A --- S3 23

Section: 21, LINE A --- S20 24

Section: 22, S2 --- S4 25

Section: 23, S4 --- S8 26

Section: 24, S23 --- S24 27

Section: 25, S23 --- S24 28

Section: 26, S17 --- S18 29

Section: 27, S16 --- S17 31

BlockBusters Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Newry, BT35 6PH
Tel.: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Table of contents

Project Name:	Project number:	Date:	Contact:	
ROSWICK NEW UNION ST		30/01/2018		

Section: 28, LINE A --- S17 32
Section: 29, S18 --- S19 33
Section: 30, S19 --- S20 34
Section: 31, S21 --- S22 35
Section: 32, LINE A --- S21 36
Section: 33, LINE A --- S22 37
Section: 34, S20 --- S22 38
Section: 35, S22 --- ATT TANK 39
Section: 36, LINE A --- S7 40
Section: 37, S24 --- CO1 41
Section: 38, CO1 --- EXT 42
Section: 39, S11 --- S12 43
Section: 40, S29 --- S11 44
Section: 41, S12 --- S25 45
Section: 42, S25 --- S18 46

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Service / Operational Defects (SRM 4)

Project name :	Project Number :	Contact :	Date :
ROSWICK NEW UNION STREET MA			**30/01/2018**

No.	PLR	Dir.	Use	Shape / Size	Date	Mat.	Total Length	Insp. Length	Peak HWG	Peak Score	Grade	Mean Score	Total Score
1	INTERNALX	U	S	C 150	30/01/2018	PVC	10.00	3.51	-	0	1	0	0
2	LINE AX	U	S	C 150	30/01/2018	PVC	3.07	3.07	-	0	1	0	0
3	LINE BX	U	S	C 150	30/01/2018	PVC	14.50	14.50	-	0	1	0	0
4	S1X	D	S	C 150	30/01/2018	PVC	22.18	22.18	-	0	1	0	0
5	LINE AX	U	S	C 150	30/01/2018	PVC	1.00	0.98	-	0	1	0	0
6	LINE BX	U	S	C 150	30/01/2018	PVC	8.24	8.24	3	0	1	0	0
7	LINE CX	U	S	C 150	30/01/2018	PVC	13.73	13.73	-	0	1	0	0
8	LINE AX	U	S	C 100	30/01/2018	PVC	20.68	20.68	3	0	1	0	0
9	LINE BX	U	S	C 100	30/01/2018	PVC	15.16	15.16	3	0	1	0	0
10	LINE CX	U	S	C 100	30/01/2018	PVC	5.60	5.60	3	1	2	0.18	1
11	LINE AX	U	S	C 100	30/01/2018	PVC	11.97	11.97	-	0	1	0	0
12	LINE BX	U	S	C 150	30/01/2018	PVC	2.08	2.08	-	0	1	0	0
13	LINE AX	U	S	C 150	30/01/2018	PVC	0.97	0.97	-	0	1	0	0
14	LINE BX	U	S	C 150	30/01/2018	PVC	0.87	0.87	-	0	1	0	0
15	S5X	U	S	C 150	30/01/2018	PVC	13.62	13.62	-	0	1	0	0
16	LINE AX	U	S	C 150	30/01/2018	PVC	0.54	0.54	-	0	1	0	0
17	S31X	U	S	C 150	30/01/2018	PVC	17.22	17.22	-	0	1	0	0
18	LINE AX	U	S	C 150	30/01/2018	PVC	0.21	0.21	-	0	1	0	0
19	S3X	U	S	C 150	30/01/2018	PVC	29.20	29.20	3	1	2	0.07	2
20	LINE AX	U	S	C 150	30/01/2018	PVC	7.22	7.22	3	0	1	0	0
21	LINE AX	U	S	C 150	30/01/2018	PVC	8.02	8.02	-	0	1	0	0
22	S2X	U	S	C 225	30/01/2018	PE	27.00	27.00	-	0	1	0	0
23	S4X	D	S	C 225	30/01/2018	PE	8.80	8.80	-	0	1	0	0
24	S23X	U	S	C 225	30/01/2018	PE	14.61	0.90	-	0	1	0	0
25	S23X	D	S	C 225	30/01/2018	PE	14.61	14.61	-	0	1	0	0
26	S17X	U	S	C 150	30/01/2018	PVC	14.21	14.21	-	0	1	0	0
27	S16X	U	S	C 150	30/01/2018	PVC	24.26	24.26	3	2	3	0.08	2
28	LINE AX	U	S	C 150	30/01/2018	PVC	10.87	10.87	-	0	1	0	0
29	S18X	D	S	C 300	30/01/2018	PE	11.25	11.25	-	0	1	0	0
30	S19X	D	S	C 300	30/01/2018	PE	5.73	5.73	-	0	1	0	0
31	S21X	U	S	C 150	30/01/2018	PVC	29.67	29.67	3	1	2	0.03	1
32	LINE AX	U	S	C 150	30/01/2018	PVC	9.86	9.86	-	0	1	0	0
33	LINE AX	U	S	C 100	30/01/2018	PVC	18.32	18.32	3	0	1	0	0
34	S20X	U	S	C 300	30/01/2018	PE	8.24	8.24	-	0	1	0	0
35	S22X	D	S	C 300	30/01/2018	PE	5.00	3.18	3	2	3	0.68	2
36	LINE AX	U	S	C 150	30/01/2018	PVC	8.46	8.46	-	0	1	0	0
37	S24X	U	S	C 225	30/01/2018	PVC	18.48	18.48	-	0	1	0	0
38	CO1X	D	S	C 225	30/01/2018	PVC	12.63	12.63	-	0	1	0	0
39	S11X	U	S	C 150	30/01/2018	PVC	8.80	8.80	-	0	1	0	0
40	S29X	U	S	C 150	30/01/2018	PVC	35.50	35.50	-	0	1	0	0
41	S12X	D	S	C 225	30/01/2018	PE	19.30	19.30	-	0	1	0	0
42	S25X	D	S	C 225	30/01/2018	PE	19.10	19.10	-	0	1	0	0

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Structural Defects (SRM 4)

Project name :	Project Number :	Contact :	Date :
ROSWICK NEW UNION STREET MA			**30/01/2018**

No.	PLR	Dir.	Use	Shape / Size	Date	Mat.	Total Length	Insp. Length	Peak HWG	Peak Score	Grade	Mean Score	Total Score
1	INTERNALX	U	S	C 150	30/01/2018	PVC	10.00	3.51	-	0	1	0	0
2	LINE AX	U	S	C 150	30/01/2018	PVC	3.07	3.07	-	0	1	0	0
3	LINE BX	U	S	C 150	30/01/2018	PVC	14.50	14.50	-	0	1	0	0
4	S1X	D	S	C 150	30/01/2018	PVC	22.18	22.18	-	0	1	0	0
5	LINE AX	U	S	C 150	30/01/2018	PVC	1.00	0.98	-	0	1	0	0
6	LINE BX	U	S	C 150	30/01/2018	PVC	8.24	8.24	-	0	1	0	0
7	LINE CX	U	S	C 150	30/01/2018	PVC	13.73	13.73	-	0	1	0	0
8	LINE AX	U	S	C 100	30/01/2018	PVC	20.68	20.68	-	0	1	0	0
9	LINE BX	U	S	C 100	30/01/2018	PVC	15.16	15.16	-	0	1	0	0
10	LINE CX	U	S	C 100	30/01/2018	PVC	5.60	5.60	-	0	1	0	0
11	LINE AX	U	S	C 100	30/01/2018	PVC	11.97	11.97	-	0	1	0	0
12	LINE BX	U	S	C 150	30/01/2018	PVC	2.08	2.08	-	0	1	0	0
13	LINE AX	U	S	C 150	30/01/2018	PVC	0.97	0.97	-	0	1	0	0
14	LINE BX	U	S	C 150	30/01/2018	PVC	0.87	0.87	-	0	1	0	0
15	S5X	U	S	C 150	30/01/2018	PVC	13.62	13.62	-	0	1	0	0
16	LINE AX	U	S	C 150	30/01/2018	PVC	0.54	0.54	-	0	1	0	0
17	S31X	U	S	C 150	30/01/2018	PVC	17.22	17.22	-	0	1	0	0
18	LINE AX	U	S	C 150	30/01/2018	PVC	0.21	0.21	-	0	1	0	0
19	S3X	U	S	C 150	30/01/2018	PVC	29.20	29.20	-	0	1	0	0
20	LINE AX	U	S	C 150	30/01/2018	PVC	7.22	7.22	-	0	1	0	0
21	LINE AX	U	S	C 150	30/01/2018	PVC	8.02	8.02	-	0	1	0	0
22	S2X	U	S	C 225	30/01/2018	PE	27.00	27.00	-	0	1	0	0
23	S4X	D	S	C 225	30/01/2018	PE	8.80	8.80	-	0	1	0	0
24	S23X	U	S	C 225	30/01/2018	PE	14.61	0.90	-	0	1	0	0
25	S23X	D	S	C 225	30/01/2018	PE	14.61	14.61	-	0	1	0	0
26	S17X	U	S	C 150	30/01/2018	PVC	14.21	14.21	5	80	4	5.63	80
27	S16X	U	S	C 150	30/01/2018	PVC	24.26	24.26	-	0	1	0	0
28	LINE AX	U	S	C 150	30/01/2018	PVC	10.87	10.87	-	0	1	0	0
29	S18X	D	S	C 300	30/01/2018	PE	11.25	11.25	-	0	1	0	0
30	S19X	D	S	C 300	30/01/2018	PE	5.73	5.73	-	0	1	0	0
31	S21X	U	S	C 150	30/01/2018	PVC	29.67	29.67	-	0	1	0	0
32	LINE AX	U	S	C 150	30/01/2018	PVC	9.86	9.86	-	0	1	0	0
33	LINE AX	U	S	C 100	30/01/2018	PVC	18.32	18.32	-	0	1	0	0
34	S20X	U	S	C 300	30/01/2018	PE	8.24	8.24	-	0	1	0	0
35	S22X	D	S	C 300	30/01/2018	PE	5.00	3.18	-	0	1	0	0
36	LINE AX	U	S	C 150	30/01/2018	PVC	8.46	8.46	-	0	1	0	0
37	S24X	U	S	C 225	30/01/2018	PVC	18.48	18.48	-	0	1	0	0
38	CO1X	D	S	C 225	30/01/2018	PVC	12.63	12.63	-	0	1	0	0
39	S11X	U	S	C 150	30/01/2018	PVC	8.80	8.80	-	0	1	0	0
40	S29X	U	S	C 150	30/01/2018	PVC	35.50	35.50	-	0	1	0	0
41	S12X	D	S	C 225	30/01/2018	PE	19.30	19.30	-	0	1	0	0
42	S25X	D	S	C 225	30/01/2018	PE	19.10	19.10	-	0	1	0	0

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Project-information

Project name :	Project Number :	Contact :	Date :
ROSWICK NEW UNION STREET MA			**30/01/2018**

Client:
Contact Name:
Department:
Road:
Town:
County:
Telephone:
Fax:
Mobile:
E-mail:

Site:
Contact Name:
Department:
Road:
Town:
County:
Telephone:
Fax:
Mobile:
E-mail:

Contractor	**BlockBusters Environmental Services NI Ltd**
Contact Name:	**Barry Hanley**
Department:	**Operations**
Road:	**Win Business Park**
Town:	**Newry, BT35 6PH**
County:	**Down**
Telephone:	**02830 263115**
Fax:	
Mobile:	**07860 849277**
E-mail:	**barry@blockbustersenvironmental.co.uk**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**1**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**INTERNAL**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**S11**
Inspection	**S11 (U/S) INTERNAL**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**150 mm**
Purpose :	**Pre-adoption survey prior to vesting**	Pipe material :	**Polyvinyl chloride**
Total length :	**10.00 m**	Lining :	

Comment :

1:50	Position	Code	Observation	Grade
S11				
	0.00	MH	Start node type, manhole, reference number : S11	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	1.97	LU	Line deviates up	(Serv) 0
	2.63	REM	General remark Remarks: LINE LEVELS	(Misc) 0
	3.51	SA	Survey abandoned Remarks: UNABLE TO PASS DOUBLE BENDS	(Misc) 0
INTERNAL				

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**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**2**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**LINE A**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**S1**
Inspection	**S1 (U/S) LINE A**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**150 mm**
Purpose :	**Pre-adoption survey prior to vesting**	Pipe material :	**Polyvinyl chloride**
Total length :	**3.07 m**	Lining :	

Comment :

1:50	Position	Code	Observation	Grade
S1				
	0.00	MH	Start node type, manhole, reference number : S1	(Constr) 0
	0.00	WL	Water level, 0% of the vertical dimension	(Serv) 0
	1.09	SC	Dimension changes, 100mm high	0
	3.07	REF	Finish node type, rodding eye reference number: LINE A Remarks: SEWER SEALED OFF	(Constr) 0
LINE 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**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

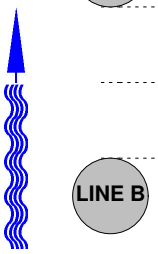
Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**3**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**LINE B**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**S1**
Inspection	**S1 (U/S) LINE B**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**150 mm**
Purpose :	**Pre-adoption survey prior to vesting**	Pipe material :	**Polyvinyl chloride**
Total length :	**14.50 m**	Lining :	

Comment :



1:120 Position	Code	Observation	Grade
0.00	MH	Start node type, manhole, reference number : S1	(Constr) 0
0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
14.50	GYF	Finish node type, gully reference number: LINE B	(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**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**4**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**S1**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**S2**
Inspection	**S1 (D/S) S2**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**150 mm**
Purpose :	**Pre-adoption survey prior to vesting**	Pipe material :	**Polyvinyl chloride**
Total length :	**22.18 m**	Lining :	

Comment :

1:180	Position	Code	Observation	Grade
S1				
	0.00	MH	Start node type, manhole, reference number : S1	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	19.66	JN	Junction, at 2 o'clock, diameter 150mm	(Constr) 0
	22.18	MHF	Finish node type, manhole reference number: S2	(Constr) 0
S2				

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**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**5**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**LINE A**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**S25**
Inspection	**S25 (U/S) LINE A**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**150 mm**
Purpose :	**Pre-adoption survey prior to vesting**	Pipe material :	**Polyvinyl chloride**
Total length :	**1.00 m**	Lining :	

Comment :

1:50	Position	Code	Observation	Grade
S25				
	0.00	MH	Start node type, manhole, reference number : S25	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	0.98	SA	Survey abandoned Remarks: UNABLE TO PASS DIAMETER CHANGE	(Misc) 0
	0.98	SC	Dimension changes, 100mm high	0
LINE 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**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**6**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**LINE B**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**S25**
Inspection	**S25 (U/S) LINE B**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**150 mm**
Purpose :	**Pre-adoption survey prior to vesting**	Pipe material :	**Polyvinyl chloride**
Total length :	**8.24 m**	Lining :	

Comment :

1:75	Position	Code	Observation	Grade
S25				
	0.00	MH	Start node type, manhole, reference number : S25	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	0.32	LU	Line deviates up	(Serv) 0
	2.96	REM	General remark Remarks: LINE LEVELS OUT	(Misc) 0
	6.15	LL	Line deviates left	(Serv) 0
	7.69	LU	Line deviates up	(Serv) 0
	8.24	REF	Finish node type, rodding eye reference number: LINE B Remarks: RWP	(Constr) 0
LINE 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**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**7**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**LINE C**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**S25**
Inspection	**S25 (U/S) LINE C**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**150 mm**
Purpose :	**Pre-adoption survey prior to vesting**	Pipe material :	**Polyvinyl chloride**
Total length :	**13.73 m**	Lining :	

Comment :

1:120	Position	Code	Observation	Grade
S25				
	0.00	MH	Start node type, manhole, reference number : S25	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	0.65	LU	Line deviates up	(Serv) 0
	2.08	REM	General remark Remarks: LINE LEVELS OUT	(Misc) 0
	13.07	LU	Line deviates up	(Serv) 0
	13.73	REF	Finish node type, rodding eye reference number: LINE C Remarks: RWP	(Constr) 0
LINE 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**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**8**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**LINE A**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**S2**
Inspection	**S2 (U/S) LINE A**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**100 mm**
Purpose :	**Pre-adoption survey prior to vesting**	Pipe material :	**Polyvinyl chloride**
Total length :	**20.68 m**	Lining :	

Comment :

1:165	Position	Code	Observation	Grade
S2				
	0.00	MH	Start node type, manhole, reference number : S2	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	0.30	LU	Line deviates up	(Serv) 0
	1.42	REM	General remark Remarks: LINE LEVELS	(Misc) 0
	12.85	JN	Junction, at 9 o'clock, diameter 100mm	(Constr) 0
	15.38	LL	Line deviates left Remarks: 15.38	(Serv) 0
	20.68	GYF	Finish node type, gully reference number: LINE A	(Constr) 0
LINE 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**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**9**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**LINE B**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**S2**
Inspection	**S2 (U/S) LINE B**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**100 mm**
Purpose :	**Pre-adoption survey prior to vesting**	Pipe material :	**Polyvinyl chloride**
Total length :	**15.16 m**	Lining :	

Comment :



1:120	Position	Code	Observation	Grade
S2				
	0.00	MH	Start node type, manhole, reference number : S2	(Constr) 0
	0.00	WL	Water level, 0% of the vertical dimension	(Serv) 0
	0.32	LL	Line deviates left	(Serv) 0
	1.75	LR	Line deviates right	(Serv) 0
	4.94	LU	Line deviates up	(Serv) 0
	5.38	REM	General remark Remarks: LINE LEVELS	(Misc) 0
	11.50	JN	Junction, at 3 o'clock, diameter 100mm	(Constr) 0
	13.29	LR	Line deviates right	(Serv) 0
	14.28	LL	Line deviates left	(Serv) 0
	14.80	LR	Line deviates right	(Serv) 0
	15.16	GYF	Finish node type, gully reference number: LINE B	(Constr) 0
LINE 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**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**10**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**LINE C**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**S2**
Inspection	**S2 (U/S) LINE C**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**100 mm**
Purpose :	**Pre-adoption survey prior to vesting**	Pipe material :	**Polyvinyl chloride**
Total length :	**5.60 m**	Lining :	

Comment :

1:50	Position	Code	Observation	Grade
S2				
	0.00	MH	Start node type, manhole, reference number : S2	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	2.74	JN	Junction, at 9 o'clock, diameter 100mm	(Constr) 0
	4.17	DES	Settled deposits, fine, 5% cross-sectional area loss	(Serv) 2
	4.83	LU	Line deviates up	(Serv) 0
	5.60	GYF	Finish node type, gully reference number: LINE C	(Constr) 0
LINE 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**	**1**	**1**	**0.18**	**1**	**2**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**11**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**LINE A**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**S17**
Inspection	**S17 (U/S) LINE A**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**100 mm**
Purpose :	**Pre-adoption survey prior to vesting**	Pipe material :	**Polyvinyl chloride**
Total length :	**11.97 m**	Lining :	

Comment :

1:105	Position	Code	Observation	Grade
S17				
	0.00	MH	Start node type, manhole, reference number : S17	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	10.21	JN	Junction, at 9 o'clock, diameter 100mm	(Constr) 0
	11.42	LU	Line deviates up	(Serv) 0
	11.97	REF	Finish node type, rodding eye reference number: LINE A	(Constr) 0
LINE 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**

BlockBusters Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**12**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**LINE B**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**S17**
Inspection	**S17 (U/S) LINE B**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**150 mm**
Purpose :	**Pre-adoption survey prior to vesting**	Pipe material :	**Polyvinyl chloride**
Total length :	**2.08 m**	Lining :	

Comment :

1:50	Position	Code	Observation	Grade
S17				
	0.00	MH	Start node type, manhole, reference number : S17	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	0.20	LR	Line deviates right	(Serv) 0
	1.20	LU	Line deviates up	(Serv) 0
	2.08	REF	Finish node type, rodding eye reference number: LINE B	(Constr) 0
LINE 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**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**13**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**LINE A**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**S6**
Inspection	**S6 (U/S) LINE A**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**150 mm**
Purpose :	**Pre-adoption survey prior to vesting**	Pipe material :	**Polyvinyl chloride**
Total length :	**0.97 m**	Lining :	

Comment :

1:50	Position	Code	Observation	Grade
S6				
	0.00	MH	Start node type, manhole, reference number : S6	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	0.32	LU	Line deviates up	(Serv) 0
	0.97	REF	Finish node type, rodding eye reference number: LINE A Remarks: DRAIN PLUGGED OFF	(Constr) 0
LINE 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**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**14**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**LINE B**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**S6**
Inspection	**S6 (U/S) LINE B**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**150 mm**
Purpose :	**Pre-adoption survey prior to vesting**	Pipe material :	**Polyvinyl chloride**
Total length :	**0.87 m**	Lining :	

Comment :

1:50	Position	Code	Observation	Grade
S6				
	0.00	MH	Start node type, manhole, reference number : S6	(Constr) 0
	0.00	WL	Water level, 0% of the vertical dimension	(Serv) 0
	0.20	LU	Line deviates up	(Serv) 0
	0.87	REF	Finish node type, rodding eye reference number: LINE B	(Constr) 0
LINE 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**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**15**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**S5**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**S6**
Inspection	**S6 (U/S) S5**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**150 mm**
Purpose :	**Pre-adoption survey prior to vesting**	Pipe material :	**Polyvinyl chloride**
Total length :	**13.62 m**	Lining :	

Comment :

1:120	Position	Code	Observation	Grade
S6				
	0.00	MH	Start node type, manhole, reference number : S6	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	13.62	MHF	Finish node type, manhole reference number: S5	(Constr) 0
S5				

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**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**16**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**LINE A**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**S5**
Inspection	**S5 (U/S) LINE A**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**150 mm**
Purpose :	**Pre-adoption survey prior to vesting**	Pipe material :	**Polyvinyl chloride**
Total length :	**0.54 m**	Lining :	

Comment :

1:50	Position	Code	Observation	Grade
S5	0.00	MH	Start node type, manhole, reference number : S5	(Constr) 0
	0.00	WL	Water level, 0% of the vertical dimension	(Serv) 0
	0.54	REF	Finish node type, rodding eye reference number:	(Constr) 0
LINE A			LINE A Remarks: DRAIN SEALED OFF	

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**

BlockBusters Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**17**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**S31**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**S5**
Inspection	**S5 (U/S) S31**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**150 mm**
Purpose :	**Pre-adoption survey prior to vesting**	Pipe material :	**Polyvinyl chloride**
Total length :	**17.22 m**	Lining :	

Comment :

1:150	Position	Code	Observation	Grade
S5				
	0.00	MH	Start node type, manhole, reference number : S5	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	0.40	WL	Water level, 10% of the vertical dimension	(Serv) 0
	2.63	WL	Water level, 5% of the vertical dimension	(Serv) 0
	17.22	MHF	Finish node type, manhole reference number: S31	(Constr) 0
S31				

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**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**18**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**LINE A**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**S4**
Inspection	**S4 (U/S) LINE A**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**150 mm**
Purpose :	**Pre-adoption survey prior to vesting**	Pipe material :	**Polyvinyl chloride**
Total length :	**0.21 m**	Lining :	

Comment :

1:50	Position	Code	Observation	Grade
S4	0.00	MH	Start node type, manhole, reference number : S4	(Constr) 0
	0.00	WL	Water level, 0% of the vertical dimension	(Serv) 0
	0.21	REF	Finish node type, rodding eye reference number:	(Constr) 0
LINE A			LINE A Remarks: DRAIN SEALED OFF	

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**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**19**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**S3**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**S4**
Inspection	**S4 (U/S) S3**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**150 mm**
Purpose :	**Pre-adoption survey prior to vesting**	Pipe material :	**Polyvinyl chloride**
Total length :	**29.20 m**	Lining :	

Comment :

1:240	Position	Code	Observation	Grade
S4				
	0.00	MH	Start node type, manhole, reference number : S4	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	6.90	DES	Settled deposits, fine, 5% cross-sectional area loss	(Serv) 2
	8.70	DES	Settled deposits, fine, 5% cross-sectional area loss	(Serv) 2
	14.17	JN	Junction, at 10 o'clock, diameter 150mm	(Constr) 0
	27.50	LR	Line deviates right Remarks: SLIGHT	(Serv) 0
	29.20	MHF	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**	**2**	**1**	**0.07**	**2**	**2**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**20**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**LINE A**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**S3**
Inspection	**S3 (U/S) LINE A**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**150 mm**
Purpose :	**Pre-adoption survey prior to vesting**	Pipe material :	**Polyvinyl chloride**
Total length :	**7.22 m**	Lining :	

Comment :

1:60	Position	Code	Observation	Grade
S3				
	0.00	MH	Start node type, manhole, reference number : S3	(Constr) 0
	0.00	WL	Water level, 0% of the vertical dimension	(Serv) 0
	6.51	LR	Line deviates right	(Serv) 0
	7.22	GYF	Finish node type, gully reference number: LINE A	(Constr) 0
	7.22	LL	Line deviates left	(Serv) 0
LINE 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**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**21**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**LINE A**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**S20**
Inspection	**S20 (U/S) LINE A**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**150 mm**
Purpose :	**Pre-adoption survey prior to vesting**	Pipe material :	**Polyvinyl chloride**
Total length :	**8.02 m**	Lining :	

Comment :

1:75	Position	Code	Observation	Grade
S20	0.00	MH	Start node type, manhole, reference number : S20	(Constr) 0
	0.00	WL	Water level, 0% of the vertical dimension	(Serv) 0
	8.02	MHF	Finish node type, manhole reference number: LINE A	(Constr) 0
LINE 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**

BlockBusters Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**22**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**S2**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**S4**
Inspection	**S4 (U/S) S2**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**225 mm**
Purpose :	**Pre-adoption survey prior to vesting**	Pipe material :	**Polyethylene**
Total length :	**27.00 m**	Lining :	

Comment :

1:225	Position	Code	Observation	Grade
S4				
	0.00	MH	Start node type, manhole, reference number : S4	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	3.73	CN	Connection other than junction, at 10 o'clock, diameter 150mm	(Constr) 0
	27.00	MHF	Finish node type, manhole reference number: S2	(Constr) 0
S2				

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**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**23**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**S4**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**S8**
Inspection	**S4 (D/S) S8**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**225 mm**
Purpose :	**Pre-adoption survey prior to vesting**	Pipe material :	**Polyethylene**
Total length :	**8.80 m**	Lining :	

Comment :

1:75	Position	Code	Observation	Grade
S4				
	0.00	MH	Start node type, manhole, reference number : S4	(Constr) 0
	0.00	WL	Water level, 0% of the vertical dimension	(Serv) 0
	8.80	JN	Junction, at 6 o'clock, diameter 225mm Remarks: BACKDROP	(Constr) 0
	8.80	MHF	Finish node type, manhole reference number: S8	(Constr) 0
S8				

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**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**24**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**S23**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**S24**
Inspection	**S24 (U/S) S23**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**225 mm**
Purpose :	**Pre-adoption survey prior to vesting**	Pipe material :	**Polyethylene**
Total length :	**14.61 m**	Lining :	

Comment :

1:50	Position	Code	Observation	Grade
S24				
	0.00	MH	Start node type, manhole, reference number : S24	(Constr) 0
	0.00	WL	Water level, 10% of the vertical dimension	(Serv) 0
	0.10	WL	Water level, 20% of the vertical dimension	(Serv) 0
	0.90	SA	Survey abandoned Remarks: UNABLE TO VIEW PIPE	(Misc) 0
S23				

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**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**25**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**S23**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**S24**
Inspection	**S23 (D/S) S24**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**225 mm**
Purpose :	**Pre-adoption survey prior to vesting**	Pipe material :	**Polyethylene**
Total length :	**14.61 m**	Lining :	

Comment :

1:120	Position	Code	Observation	Grade
S23	0.00	MH	Start node type, manhole, reference number : S23	(Constr) 0
	0.00	WL	Water level, 10% of the vertical dimension	(Serv) 0
	14.61	MHF	Finish node type, manhole reference number: S24	(Constr) 0
S24				

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**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

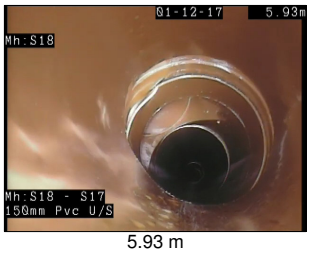
Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**26**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**S17**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**S18**
Inspection	**S18 (U/S) S17**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**150 mm**
Purpose :	**Pre-adoption survey prior to vesting**	Pipe material :	**Polyvinyl chloride**
Total length :	**14.21 m**	Lining :	

Comment :

1:120	Position	Code	Observation	Grade
S18				
	0.00	MH	Start node type, manhole, reference number : S18	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	4.83	JN	Junction, at 9 o'clock, diameter 150mm	(Constr) 0
	5.93	D	Deformed sewer/drain, 10%	(Struct) 4
	6.37	JN	Junction, at 10 o'clock, diameter 150mm	(Constr) 0
	14.21	MHF	Finish node type, manhole reference number: S17	(Constr) 0
S17				



5.93 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**	**5.63**	**80**	**4**	**0**	**0**	**0**	**0**	**1**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection pictures

Place :	Road :	Date :	Section number :	PLR Suffix :
MANCHESTER	**NEW UNION STREET**	**30/01/2018**	**26**	**X**

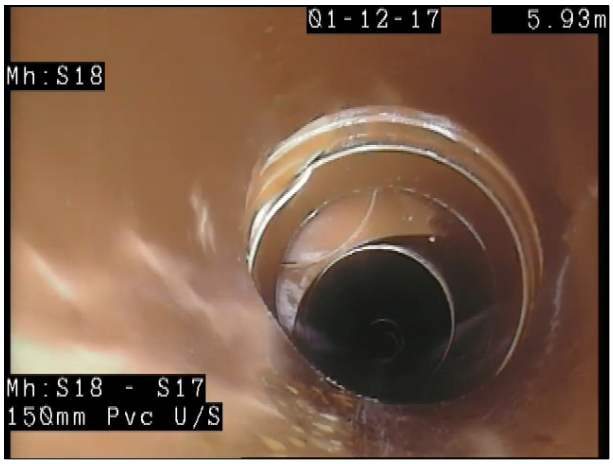


Photo: 26_1_4_30012018_115953_A.jpg
5.93m, Deformed sewer/drain, 10%

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**27**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**S16**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**S17**
Inspection	**S17 (U/S) S16**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**150 mm**
Purpose :	**Pre-adoption survey prior to vesting**	Pipe material :	**Polyvinyl chloride**
Total length :	**24.26 m**	Lining :	

Comment :

1:195	Position	Code	Observation	Grade
S17				
	0.00	MH	Start node type, manhole, reference number : S17	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	11.12	JN	Junction, at 10 o'clock, diameter 150mm	(Constr) 0
	13.30	JN	Junction, at 2 o'clock, diameter 150mm	(Constr) 0
	23.08	LL	Line deviates left	(Serv) 0
	24.00	DES	Settled deposits, fine, 20% cross-sectional area loss	(Serv) 3
	24.26	MHF	Finish node type, manhole reference number: S16	(Constr) 0
S16				

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**	**0.08**	**2**	**3**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**28**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**LINE A**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**S17**
Inspection	**S17 (U/S) LINE A**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**150 mm**
Purpose :	**Pre-adoption survey prior to vesting**	Pipe material :	**Polyvinyl chloride**
Total length :	**10.87 m**	Lining :	

Comment :

1:90	Position	Code	Observation	Grade
S17				
	0.00	MH	Start node type, manhole, reference number : S17	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	0.10	SC	Dimension changes, 100mm high	0
	1.09	WL	Water level, 20% of the vertical dimension	(Serv) 0
	1.97	CUW	Loss of vision, camera under water	(Misc) 0
	4.73	WL	Water level, 5% of the vertical dimension	(Serv) 0
	10.65	LU	Line deviates up	(Serv) 0
	10.87	REF	Finish node type, rodding eye reference number: LINE A	(Constr) 0
LINE 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**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**29**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**S18**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**S19**
Inspection	**S18 (D/S) S19**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**300 mm**
Purpose :	**Pre-adoption survey prior to vesting**	Pipe material :	**Polyethylene**
Total length :	**11.25 m**	Lining :	

Comment :

1:90	Position	Code	Observation	Grade
S18				
	0.00	MH	Start node type, manhole, reference number : S18	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	7.35	WL	Water level, 10% of the vertical dimension	(Serv) 0
	7.36	CN	Connection other than junction, at 2 o'clock, diameter 150mm	(Constr) 0
	11.25	MHF	Finish node type, manhole reference number: S19	(Constr) 0
S19				

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**

BlockBusters Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**30**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**S19**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**S20**
Inspection	**S19 (D/S) S20**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**300 mm**
Purpose :	**Pre-adoption survey prior to vesting**	Pipe material :	**Polyethylene**
Total length :	**5.73 m**	Lining :	

Comment :

1:60	Position	Code	Observation	Grade
S19				
	0.00	MH	Start node type, manhole, reference number : S19	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	5.73	MHF	Finish node type, manhole reference number: S20	(Constr) 0
S20				

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**

BlockBusters Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**31**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**S21**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**S22**
Inspection	**S22 (U/S) S21**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**150 mm**
Purpose :	**Pre-adoption survey prior to vesting**	Pipe material :	**Polyvinyl chloride**
Total length :	**29.67 m**	Lining :	

Comment :

1:240	Position	Code	Observation	Grade
S22				
	0.00	MH	Start node type, manhole, reference number : S22	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	0.00	DES	Settled deposits, fine, 5% cross-sectional area loss	(Serv) 2
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	0.10	LU	Line deviates up	(Serv) 0
	1.09	REM	General remark Remarks: LINE LEVELS	(Misc) 0
	1.20	WL	Water level, 10% of the vertical dimension	(Serv) 0
	5.38	LR	Line deviates right	(Serv) 0
	5.38	WL	Water level, 5% of the vertical dimension	(Serv) 0
	6.26	JN	Junction, at 3 o'clock, diameter 150mm	(Constr) 0
	7.14	LL	Line deviates left	(Serv) 0
	15.00	WL	Water level, 0% of the vertical dimension	(Serv) 0
	28.97	LR	Line deviates right	(Serv) 0
	29.67	MHF	Finish node type, manhole reference number: S21	(Constr) 0
S21				

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**	**1**	**0.03**	**1**	**2**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**32**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**LINE A**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**S21**
Inspection	**S21 (U/S) LINE A**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**150 mm**
Purpose :	**Pre-adoption survey prior to vesting**	Pipe material :	**Polyvinyl chloride**
Total length :	**9.86 m**	Lining :	

Comment :

1:90	Position	Code	Observation	Grade
S21				
	0.00	MH	Start node type, manhole, reference number : S21	(Constr) 0
	0.00	WL	Water level, 0% of the vertical dimension	(Serv) 0
	0.11	SC	Dimension changes, 100mm high	0
	0.11	LR	Line deviates right	(Serv) 0
	8.56	LR	Line deviates right	(Serv) 0
	8.92	LR	Line deviates right	(Serv) 0
	9.86	REF	Finish node type, rodding eye reference number: LINE A	(Constr) 0
LINE 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**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**33**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**LINE A**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**S22**
Inspection	**S22 (U/S) LINE A**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**100 mm**
Purpose :	**Pre-adoption survey prior to vesting**	Pipe material :	**Polyvinyl chloride**
Total length :	**18.32 m**	Lining :	

Comment :

1:150	Position	Code	Observation	Grade
S22				
	0.00	MH	Start node type, manhole, reference number : S22	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	0.00	LU	Line deviates up	(Serv) 0
	0.98	REM	General remark Remarks: LINE LEVELS	(Misc) 0
	18.21	LL	Line deviates left	(Serv) 0
	18.32	REF	Finish node type, rodding eye reference number: LINE A	(Constr) 0
LINE 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**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**34**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**S20**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**S22**
Inspection	**S22 (U/S) S20**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**300 mm**
Purpose :	**Pre-adoption survey prior to vesting**	Pipe material :	**Polyethylene**
Total length :	**8.24 m**	Lining :	

Comment :

1:75	Position	Code	Observation	Grade
S22	0.00	MH	Start node type, manhole, reference number : S22	(Constr) 0
	0.00	WL	Water level, 10% of the vertical dimension	(Serv) 0
	5.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	8.24	MHF	Finish node type, manhole reference number: S20	(Constr) 0
S20				

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**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**35**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**S22**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**ATT TANK**
Inspection	**S22 (D/S) ATT TANK**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**300 mm**
Purpose :	**Pre-adoption survey prior to vesting**	Pipe material :	**Polyethylene**
Total length :	**5.00 m**	Lining :	

Comment :

1:50	Position	Code	Observation	Grade
S22				
	0.00	MH	Start node type, manhole, reference number : S22	(Constr) 0
	0.00	WL	Water level, 10% of the vertical dimension	(Serv) 0
	0.00	DES	Settled deposits, fine, 10% cross-sectional area loss	(Serv) 3
	1.80	WL	Water level, 5% of the vertical dimension	(Serv) 0
	1.86	LR	Line deviates right Remarks: SLIGHT	(Serv) 0
	2.96	WL	Water level, 30% of the vertical dimension	(Serv) 0
	3.18	SA	Survey abandoned Remarks: CAMERA UNDERWATER	(Misc) 0
ATT TANK				

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**	**0.68**	**2**	**3**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**36**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**LINE A**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**S7**
Inspection	**S7 (U/S) LINE A**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**150 mm**
Purpose :	**Pre-adoption survey prior to vesting**	Pipe material :	**Polyvinyl chloride**
Total length :	**8.46 m**	Lining :	

Comment :

1:75	Position	Code	Observation	Grade
S7				
	0.00	MH	Start node type, manhole, reference number : S7	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	4.17	JN	Junction, at 9 o'clock, diameter 150mm	(Constr) 0
	4.28	LR	Line deviates right	(Serv) 0
	6.59	JN	Junction, at 9 o'clock, diameter 150mm	(Constr) 0
	8.13	LU	Line deviates up	(Serv) 0
	8.46	REF	Finish node type, rodding eye reference number: LINE A	(Constr) 0
LINE 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**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**37**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**S24**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**CO1**
Inspection	**CO1 (U/S) S24**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**225 mm**
Purpose :	**Pre-adoption survey prior to vesting**	Pipe material :	**Polyvinyl chloride**
Total length :	**18.48 m**	Lining :	

Comment :

1:150	Position	Code	Observation	Grade
CO1	0.00	MH	Start node type, manhole, reference number : CO1	(Constr) 0
	0.00	WL	Water level, 10% of the vertical dimension	(Serv) 0
	0.54	MC	Material changes, polyethylene	(Misc) 0
	18.48	MHF	Finish node type, manhole reference number: S24	(Constr) 0
S24				

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**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**38**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**CO1**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**EXT**
Inspection	**CO1 (D/S) EXT**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**225 mm**
Purpose :	**Pre-adoption survey prior to vesting**	Pipe material :	**Polyvinyl chloride**
Total length :	**12.63 m**	Lining :	

Comment :

1:105	Position	Code	Observation	Grade
CO1				
	0.00	MH	Start node type, manhole, reference number : CO1	(Constr) 0
	0.00	WL	Water level, 10% of the vertical dimension	(Serv) 0
	12.63	JN	Junction, at 6 o'clock, diameter 225mm Remarks: BACKDROP	(Constr) 0
	12.63	MHF	Finish node type, manhole reference number: EXT	(Constr) 0
EXT				

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**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**39**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**S11**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**S12**
Inspection	**S12 (U/S) S11**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**150 mm**
Purpose :	**Pre-adoption survey prior to vesting**	Pipe material :	**Polyvinyl chloride**
Total length :	**8.80 m**	Lining :	

Comment :

1:75	Position	Code	Observation	Grade
S12				
	0.00	MH	Start node type, manhole, reference number : S12	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	8.80	MHF	Finish node type, manhole reference number: S11	(Constr) 0
S11				

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**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**40**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**S29**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**S11**
Inspection	**S11 (U/S) S29**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**150 mm**
Purpose :	**Pre-adoption survey prior to vesting**	Pipe material :	**Polyvinyl chloride**
Total length :	**35.50 m**	Lining :	

Comment :

1:285	Position	Code	Observation	Grade
S11				
	0.00	MH	Start node type, manhole, reference number : S11	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	4.60	JN	Junction, at 2 o'clock, diameter 100mm	(Constr) 0
	9.60	JN	Junction, at 3 o'clock, diameter 100mm	(Constr) 0
	12.30	JN	Junction, at 3 o'clock, diameter 100mm	(Constr) 0
	15.40	JN	Junction, at 9 o'clock, diameter 150mm	(Constr) 0
	16.70	JN	Junction, at 10 o'clock, diameter 150mm	(Constr) 0
	19.00	JN	Junction, at 3 o'clock, diameter 100mm	(Constr) 0
	20.80	JN	Junction, at 2 o'clock, diameter 150mm	(Constr) 0
	35.50	MHF	Finish node type, manhole reference number: S29	(Constr) 0
S29				

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**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**41**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**S12**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**S25**
Inspection	**S12 (D/S) S25**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**225 mm**
Purpose :	**Pre-adoption survey prior to vesting**	Pipe material :	**Polyethylene**
Total length :	**19.30 m**	Lining :	

Comment :

1:165	Position	Code	Observation	Grade
S12				
	0.00	MH	Start node type, manhole, reference number : S12	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	1.70	LR	Line deviates right	(Serv) 0
	7.00	CN	Connection other than junction, at 2 o'clock, diameter 100mm	(Constr) 0
	13.00	CN	Connection other than junction, at 2 o'clock, diameter 150mm	(Constr) 0
	19.30	MHF	Finish node type, manhole reference number: S25	(Constr) 0
S25				

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**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**42**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**S25**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**S18**
Inspection	**S25 (D/S) S18**	Pipe Length		D/S Depth :	

Use:	**Surface water**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**225 mm**
Purpose :	**Pre-adoption survey prior to vesting**	Pipe material :	**Polyethylene**
Total length :	**19.10 m**	Lining :	

Comment :

1:165	Position	Code	Observation	Grade
S25				
	0.00	MH	Start node type, manhole, reference number : S25	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	7.50	CN	Connection other than junction, at 2 o'clock, diameter 150mm	(Constr) 0
	8.90	CN	Connection other than junction, at 3 o'clock, diameter 150mm	(Constr) 0
	18.90	LR	Line deviates right Remarks: SLIGHT	(Serv) 0
	19.10	MHF	Finish node type, manhole reference number: S18	(Constr) 0
S18				

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**

Report Information

This page can be edited to contain any information you feel is necessary.

A disclaimer.

Any terms and conditions

BlockBusters Environmental Services NI Ltd

ROSWICK NEW UNION STREET

MANCHESTER FOUL

30 January 2018



WinCan Europe Ltd, 10 Woking Business park, Albertdrive, Woking, GU21 5JY
Telephone 01483762222 Facsimile 01483 762226
www.wincaneurope.com

GRADE 3,4 & 5 Summary

STRUCTURAL DEFECTS

Structural defects			
Section	PLR	Grade	Fault description
17	F26 X	4	Broken pipe, from 8 to 12 o'clock

Grade 3; Best practice suggests consideration be given to repair in the medium term
Grade 4; Best practice suggests consideration be given to a repair to avoid potential collapse
Grade 5; Best practice suggests this pipe is at risk of collapse at any time; urgent consideration should be given to a repair to avoid collapse

SERVICE / OPERATIONAL DEFECTS

Service defects			
Section	PLR	Grade	Fault description
Acceptable Service Condition			

Grade 3; Best practice suggests consideration be given to maintenance activities in the medium term
Grade 4; Best practice suggests consideration be given to maintenance activity to avoid potential blockage
Grade 5; Best practice suggests this pipe is at immediate risk of backing up / causing flooding

Abandoned Surveys

Camera no access		
Section	PLR	Fault description
21	F10 X	Loss of vision, camera under water
22	F11 X	Water level, 10% of the vertical dimension
29	F14 X	Junction, at 9 o'clock, diameter 150mm

Information

These summaries are based on the SRM grading from the WRC

BlockBusters Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Newry, BT35 6PH
Tel.: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Table of contents

Project Name:	Project number:	Date:	Contact:	
ROSWICK NEW UNION ST		30/01/2018		

SRMReport : sNameSRMEReport 1

Inspection: 1

Project Information 3

Section: 1, LINE A --- F6 4

Section: 2, LINE A --- F21 5

Section: 3, LINE B --- F21 6

Section: 4, F21 --- F22 7

Section: 5, LINE A --- F22 8

Section: 6, LINE B --- F22 9

Section: 7, LINE C --- F22 10

Section: 8, LINE D --- F22 11

Section: 9, F22 --- NODE 1 12

Section: 10, LINE A --- F13 13

Section: 11, F13 --- F8 14

Section: 12, LINE A --- F8 15

Section: 13, LINE B --- F8 16

Section: 14, F8 --- NODE 1 17

Section: 15, F25 --- F26 18

Section: 16, F27 --- F25 19

Section: 17, F26 --- CO1 20

Section: 18, LINE A --- F9 22

Section: 19, LINE B --- F9 23

Section: 20, F9 --- F10 24

Section: 21, F10 --- F20 25

Section: 22, F11 --- F10 26

Section: 23, LINE A --- F10 27

Section: 24, F4 --- F7 28

Section: 25, F1 --- F4 29

Section: 26, F6 --- F7 30

Section: 27, F7 --- F9 31

BlockBusters Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Newry, BT35 6PH
Tel.: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Table of contents

Project Name:	Project number:	Date:	Contact:	
ROSWICK NEW UNION ST		30/01/2018		

Section: 28, F9 --- F10 32

Section: 29, F14 --- F20 33

Section: 30, F20 --- F26 34

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Service / Operational Defects (SRM 4)

Project name :	Project Number :	Contact :	Date :
ROSWICK NEW UNION STREET MA			**30/01/2018**

No.	PLR	Dir.	Use	Shape / Size	Date	Mat.	Total Length	Insp. Length	Peak HWG	Peak Score	Grade	Mean Score	Total Score
1	LINE AX	U	F	C 100	30/01/2018	PVC	0.10	0.10	-	0	1	0	0
2	LINE AX	U	F	C 150	30/01/2018	PVC	13.18	13.18	-	0	1	0	0
3	LINE BX	U	F	C 100	30/01/2018	PVC	11.64	11.64	-	0	1	0	0
4	F21X	D	F	C 150	30/01/2018	PVC	3.07	3.07	-	0	1	0	0
5	LINE AX	U	F	C 150	30/01/2018	PVC	10.32	10.32	-	0	1	0	0
6	LINE BX	U	F	C 100	30/01/2018	PVC	11.86	11.86	-	0	1	0	0
7	LINE CX	U	F	C 150	30/01/2018	PVC	12.08	12.08	3	0	1	0	0
8	LINE DX	U	F	C 100	30/01/2018	PVC	9.23	9.23	-	0	1	0	0
9	F22X	D	F	C 150	30/01/2018	PVC	7.80	7.80	-	0	1	0	0
10	LINE AX	U	F	C 150	30/01/2018	PVC	8.35	8.35	-	0	1	0	0
11	F13X	D	F	C 150	30/01/2018	PVC	12.96	12.96	-	0	1	0	0
12	LINE A X	U	F	C 100	30/01/2018	PVC	6.70	6.70	-	0	1	0	0
13	LINE BX	U	F	C 150	30/01/2018	PVC	9.44	9.44	3	0	1	0	0
14	F8X	D	F	C 150	30/01/2018	PVC	12.63	12.63	-	0	1	0	0
15	F25X	U	F	C 150	30/01/2018	PVC	9.55	9.55	3	1	2	0.1	1
16	F27X	U	F	C 100	30/01/2018	PVC	3.84	3.84	-	0	1	0	0
17	F26X	D	F	C 225	30/01/2018	PVC	14.94	14.94	3	0	1	0	0
18	LINE AX	U	F	C 150	30/01/2018	PVC	0.11	0.11	-	0	1	0	0
19	LINE BX	U	F	C 150	30/01/2018	PVC	0.10	0.10	-	0	1	0	0
20	F9X	D	F	C 150	30/01/2018	PVC	13.26	13.26	-	0	1	0	0
21	F10X	D	F	C 150	30/01/2018	PVC	22.00	20.13	-	0	1	0	0
22	F11X	U	F	C 150	30/01/2018	PVC	10.00	4.72	-	0	1	0	0
23	LINE AX	U	F	C 150	30/01/2018	PVC	0.98	0.98	-	0	1	0	0
24	F4X	U	F	C 150	30/01/2018	PVC	29.90	29.90	-	0	1	0	0
25	F1X	U	F	C 150	30/01/2018	PVC	11.20	11.20	-	0	1	0	0
26	F6X	U	F	C 150	30/01/2018	PVC	6.30	6.30	-	0	1	0	0
27	F7X	D	F	C 150	30/01/2018	PVC	12.00	12.00	-	0	1	0	0
28	F9X	D	F	C 150	30/01/2018	PVC	14.50	14.50	-	0	1	0	0
29	F14X	U	F	C 225	30/01/2018	PVC	40.00	31.90	-	0	1	0	0
30	F20X	D	F	C 225	30/01/2018	PVC	42.70	42.70	-	0	1	0	0

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Structural Defects (SRM 4)

Project name :	Project Number :	Contact :	Date :
ROSWICK NEW UNION STREET MA			**30/01/2018**

No.	PLR	Dir.	Use	Shape / Size	Date	Mat.	Total Length	Insp. Length	Peak HWG	Peak Score	Grade	Mean Score	Total Score
1	LINE AX	U	F	C 100	30/01/2018	PVC	0.10	0.10	-	0	1	0	0
2	LINE AX	U	F	C 150	30/01/2018	PVC	13.18	13.18	-	0	1	0	0
3	LINE BX	U	F	C 100	30/01/2018	PVC	11.64	11.64	-	0	1	0	0
4	F21X	D	F	C 150	30/01/2018	PVC	3.07	3.07	-	0	1	0	0
5	LINE AX	U	F	C 150	30/01/2018	PVC	10.32	10.32	-	0	1	0	0
6	LINE BX	U	F	C 100	30/01/2018	PVC	11.86	11.86	-	0	1	0	0
7	LINE CX	U	F	C 150	30/01/2018	PVC	12.08	12.08	-	0	1	0	0
8	LINE DX	U	F	C 100	30/01/2018	PVC	9.23	9.23	-	0	1	0	0
9	F22X	D	F	C 150	30/01/2018	PVC	7.80	7.80	-	0	1	0	0
10	LINE AX	U	F	C 150	30/01/2018	PVC	8.35	8.35	-	0	1	0	0
11	F13X	D	F	C 150	30/01/2018	PVC	12.96	12.96	-	0	1	0	0
12	LINE A X	U	F	C 100	30/01/2018	PVC	6.70	6.70	-	0	1	0	0
13	LINE BX	U	F	C 150	30/01/2018	PVC	9.44	9.44	-	0	1	0	0
14	F8X	D	F	C 150	30/01/2018	PVC	12.63	12.63	-	0	1	0	0
15	F25X	U	F	C 150	30/01/2018	PVC	9.55	9.55	-	0	1	0	0
16	F27X	U	F	C 100	30/01/2018	PVC	3.84	3.84	-	0	1	0	0
17	F26X	D	F	C 225	30/01/2018	PVC	14.94	14.94	4	80	4	5.35	80
18	LINE AX	U	F	C 150	30/01/2018	PVC	0.11	0.11	-	0	1	0	0
19	LINE BX	U	F	C 150	30/01/2018	PVC	0.10	0.10	-	0	1	0	0
20	F9X	D	F	C 150	30/01/2018	PVC	13.26	13.26	-	0	1	0	0
21	F10X	D	F	C 150	30/01/2018	PVC	22.00	20.13	-	0	1	0	0
22	F11X	U	F	C 150	30/01/2018	PVC	10.00	4.72	-	0	1	0	0
23	LINE AX	U	F	C 150	30/01/2018	PVC	0.98	0.98	-	0	1	0	0
24	F4X	U	F	C 150	30/01/2018	PVC	29.90	29.90	-	0	1	0	0
25	F1X	U	F	C 150	30/01/2018	PVC	11.20	11.20	-	0	1	0	0
26	F6X	U	F	C 150	30/01/2018	PVC	6.30	6.30	-	0	1	0	0
27	F7X	D	F	C 150	30/01/2018	PVC	12.00	12.00	-	0	1	0	0
28	F9X	D	F	C 150	30/01/2018	PVC	14.50	14.50	-	0	1	0	0
29	F14X	U	F	C 225	30/01/2018	PVC	40.00	31.90	-	0	1	0	0
30	F20X	D	F	C 225	30/01/2018	PVC	42.70	42.70	-	0	1	0	0

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Project-information

Project name :	Project Number :	Contact :	Date :
ROSWICK NEW UNION STREET MA			**30/01/2018**

Client:
Contact Name:
Department:
Road:
Town:
County:
Telephone:
Fax:
Mobile:
E-mail:

Site:
Contact Name:
Department:
Road:
Town:
County:
Telephone:
Fax:
Mobile:
E-mail:

Contractor	**BlockBusters Environmental Services NI Ltd**
Contact Name:	**Barry Hanley**
Department:	**Operations**
Road:	**Win Business Park**
Town:	**Newry, BT35 6PH**
County:	**Down**
Telephone:	**02830 263115**
Fax:	
Mobile:	**07860 849277**
E-mail:	**barry@blockbustersenvironmental.co.uk**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**1**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**LINE A**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**F6**
Inspection	**F6 (U/S) LINE A**	Pipe Length		D/S Depth :	

Use:	**Foul**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**100 mm**
Purpose :	**Sample survey to determine asset condition**	Pipe material :	**Polyvinyl chloride**
Total length :	**0.10 m**	Lining :	

Comment :

1:50	Position	Code	Observation	Grade
F6				
	0.00	MH	Start node type, manhole, reference number : F6	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	0.00	JN	Junction, at 6 o'clock, diameter 100mm Remarks: BACKDROP	(Constr) 0
	0.10	GYF	Finish node type, gully reference number: LINE A	(Constr) 0
LINE 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**

BlockBusters Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**2**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**LINE A**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**F21**
Inspection	**F21 (U/S) LINE A**	Pipe Length		D/S Depth :	

Use:	**Foul**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**150 mm**
Purpose :	**Sample survey to determine asset condition**	Pipe material :	**Polyvinyl chloride**
Total length :	**13.18 m**	Lining :	

Comment :

1:105	Position	Code	Observation	Grade
F21				
	0.00	MH	Start node type, manhole, reference number : F21	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	7.58	JN	Junction, at 9 o'clock, diameter 150mm	(Constr) 0
	8.68	JN	Junction, at 9 o'clock, diameter 150mm	(Constr) 0
	11.20	JN	Junction, at 9 o'clock, diameter 150mm	(Constr) 0
	11.42	LR	Line deviates right	(Serv) 0
	12.30	LU	Line deviates up	(Serv) 0
	13.18	REF	Finish node type, rodding eye reference number: LINE A	(Constr) 0
LINE 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**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**3**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**LINE B**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**F21**
Inspection	**F21 (U/S) LINE B**	Pipe Length		D/S Depth :	

Use:	**Foul**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**100 mm**
Purpose :	**Sample survey to determine asset condition**	Pipe material :	**Polyvinyl chloride**
Total length :	**11.64 m**	Lining :	

Comment :

1:105	Position	Code	Observation	Grade
F21				
	0.00	MH	Start node type, manhole, reference number : F21	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	9.23	LR	Line deviates right	(Serv) 0
	9.44	JN	Junction, at 9 o'clock, diameter 100mm	(Constr) 0
	11.09	LU	Line deviates up	(Serv) 0
	11.64	REF	Finish node type, rodding eye reference number: LINE B Remarks: SVP	(Constr) 0
LINE 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**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**4**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**F21**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**F22**
Inspection	**F21 (D/S) F22**	Pipe Length		D/S Depth :	

Use:	**Foul**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**150 mm**
Purpose :	**Sample survey to determine asset condition**	Pipe material :	**Polyvinyl chloride**
Total length :	**3.07 m**	Lining :	

Comment :

1:50	Position	Code	Observation	Grade
F21				
	0.00	MH	Start node type, manhole, reference number : F21	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	3.07	MHF	Finish node type, manhole reference number: F22	(Constr) 0
F22				

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**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**5**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**LINE A**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**F22**
Inspection	**F22 (U/S) LINE A**	Pipe Length		D/S Depth :	

Use:	**Foul**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**150 mm**
Purpose :	**Sample survey to determine asset condition**	Pipe material :	**Polyvinyl chloride**
Total length :	**10.32 m**	Lining :	

Comment :

1:90	Position	Code	Observation	Grade
F22				
	0.00	MH	Start node type, manhole, reference number : F22	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	9.01	JN	Junction, at 9 o'clock, diameter 150mm	(Constr) 0
	9.23	LR	Line deviates right	(Serv) 0
	9.70	LU	Line deviates up	(Serv) 0
	10.32	REF	Finish node type, rodding eye reference number: LINE A Remarks: SVP	(Constr) 0
LINE 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**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**6**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**LINE B**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**F22**
Inspection	**F22 (U/S) LINE B**	Pipe Length		D/S Depth :	

Use:	**Foul**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**100 mm**
Purpose :	**Sample survey to determine asset condition**	Pipe material :	**Polyvinyl chloride**
Total length :	**11.86 m**	Lining :	

Comment :

1:105	Position	Code	Observation	Grade
F22				
	0.00	MH	Start node type, manhole, reference number : F22	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	0.10	LR	Line deviates right	(Serv) 0
	10.10	JN	Junction, at 3 o'clock, diameter 100mm	(Constr) 0
	11.20	LU	Line deviates up	(Serv) 0
	11.86	REF	Finish node type, rodding eye reference number: LINE B Remarks: SVP	(Constr) 0
LINE 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**

BlockBusters Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**7**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**LINE C**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**F22**
Inspection	**F22 (U/S) LINE C**	Pipe Length		D/S Depth :	

Use:	**Foul**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**150 mm**
Purpose :	**Sample survey to determine asset condition**	Pipe material :	**Polyvinyl chloride**
Total length :	**12.08 m**	Lining :	

Comment :

1:105	Position	Code	Observation	Grade
F22				
	0.00	MH	Start node type, manhole, reference number : F22	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	7.25	LL	Line deviates left Remarks: SLIGHT	(Serv) 0
	8.02	JN	Junction, at 9 o'clock, diameter 150mm	(Constr) 0
	8.68	LR	Line deviates right	(Serv) 0
	9.01	JN	Junction, at 9 o'clock, diameter 150mm	(Constr) 0
	9.66	LR	Line deviates right	(Serv) 0
	10.65	JN	Junction, at 3 o'clock, diameter 150mm	(Constr) 0
	11.53	LU	Line deviates up	(Serv) 0
	12.08	REF	Finish node type, rodding eye reference number: LINE C Remarks: SVP	(Constr) 0
LINE 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**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**8**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**LINE D**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**F22**
Inspection	**F22 (U/S) LINE D**	Pipe Length		D/S Depth :	

Use:	**Foul**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**100 mm**
Purpose :	**Sample survey to determine asset condition**	Pipe material :	**Polyvinyl chloride**
Total length :	**9.23 m**	Lining :	

Comment :

1:75	Position	Code	Observation	Grade
F22				
	0.00	MH	Start node type, manhole, reference number : F22	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	7.25	LR	Line deviates right	(Serv) 0
	8.02	LR	Line deviates right	(Serv) 0
	8.46	LU	Line deviates up	(Serv) 0
	9.23	REF	Finish node type, rodding eye reference number: LINE D Remarks: SVP	(Constr) 0
LINE D				

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

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**9**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**F22**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**NODE 1**
Inspection	**F22 (D/S) NODE 1**	Pipe Length		D/S Depth :	

Use:	**Foul**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**150 mm**
Purpose :	**Sample survey to determine asset condition**	Pipe material :	**Polyvinyl chloride**
Total length :	**7.80 m**	Lining :	

Comment :

1:75	Position	Code	Observation	Grade
F22				
	0.00	MH	Start node type, manhole, reference number : F22	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	7.36	LD	Line deviates down	(Serv) 0
	7.80	OFF	Finish node type, outfall reference number: NODE 1 Remarks: MAIN	(Constr) 0
NODE 1				

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**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**10**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**LINE A**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**F13**
Inspection	**F13 (U/S) LINE A**	Pipe Length		D/S Depth :	

Use:	**Foul**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**150 mm**
Purpose :	**Sample survey to determine asset condition**	Pipe material :	**Polyvinyl chloride**
Total length :	**8.35 m**	Lining :	

Comment :

1:75	Position	Code	Observation	Grade
F13				
	0.00	MH	Start node type, manhole, reference number : F13	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	1.75	LU	Line deviates up	(Serv) 0
	8.35	REF	Finish node type, rodding eye reference number: LINE A Remarks: SVP	(Constr) 0
LINE 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**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

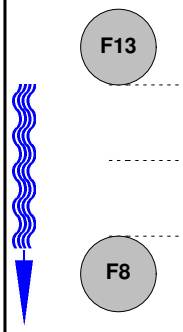
Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**11**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**F13**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**F8**
Inspection	**F13 (D/S) F8**	Pipe Length		D/S Depth :	

Use:	**Foul**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**150 mm**
Purpose :	**Sample survey to determine asset condition**	Pipe material :	**Polyvinyl chloride**
Total length :	**12.96 m**	Lining :	

Comment :



1:105 Position	Code	Observation	Grade
0.00	MH	Start node type, manhole, reference number : F13	(Constr) 0
0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
12.96	MHF	Finish node type, manhole reference number: F8	(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**

BlockBusters Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**12**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**LINE A**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**F8**
Inspection	**F8 (U/S) LINE A**	Pipe Length		D/S Depth :	

Use:	**Foul**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**100 mm**
Purpose :	**Sample survey to determine asset condition**	Pipe material :	**Polyvinyl chloride**
Total length :	**6.70 m**	Lining :	

Comment :

1:60	Position	Code	Observation	Grade
F8				
	0.00	MH	Start node type, manhole, reference number : F8	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	2.41	LR	Line deviates right	(Serv) 0
	6.26	LU	Line deviates up	(Serv) 0
	6.70	REF	Finish node type, rodding eye reference number: LINE A Remarks: SVP	(Constr) 0
LINE 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**

BlockBusters Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**13**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**LINE B**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**F8**
Inspection	**F8 (U/S) LINE B**	Pipe Length		D/S Depth :	

Use:	**Foul**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**150 mm**
Purpose :	**Sample survey to determine asset condition**	Pipe material :	**Polyvinyl chloride**
Total length :	**9.44 m**	Lining :	

Comment :

1:75	Position	Code	Observation	Grade
F8	0.00	MH	Start node type, manhole, reference number : F8	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	0.00	LL	Line deviates left	(Serv) 0
	1.42	LR	Line deviates right	(Serv) 0
	8.90	LU	Line deviates up	(Serv) 0
LINE B	9.44	REF	Finish node type, rodding eye reference number: LINE 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**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**14**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**F8**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**NODE 1**
Inspection	**F8 (D/S) NODE 1**	Pipe Length		D/S Depth :	

Use:	**Foul**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**150 mm**
Purpose :	**Sample survey to determine asset condition**	Pipe material :	**Polyvinyl chloride**
Total length :	**12.63 m**	Lining :	

Comment :

1:105	Position	Code	Observation	Grade
F8				
	0.00	MH	Start node type, manhole, reference number : F8	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	11.75	LD	Line deviates down	(Serv) 0
	12.63	OFF	Finish node type, outfall reference number: NODE 1 Remarks: MAIN	(Constr) 0
NODE 1				

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**

BlockBusters Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**15**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**F25**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**F26**
Inspection	**F26 (U/S) F25**	Pipe Length		D/S Depth :	

Use:	**Foul**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**150 mm**
Purpose :	**Sample survey to determine asset condition**	Pipe material :	**Polyvinyl chloride**
Total length :	**9.55 m**	Lining :	

Comment :

1:90	Position	Code	Observation	Grade
F26				
	0.00	MH	Start node type, manhole, reference number : F26	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	1.09	DES	Settled deposits, fine, 5% cross-sectional area loss Remarks: PAPER	(Serv) 2
	9.34	LR	Line deviates right	(Serv) 0
	9.55	MHF	Finish node type, manhole reference number: F25	(Constr) 0
F25				

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**	**1**	**0.1**	**1**	**2**

BlockBusters Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**16**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**F27**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**F25**
Inspection	**F25 (U/S) F27**	Pipe Length		D/S Depth :	

Use:	**Foul**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**100 mm**
Purpose :	**Sample survey to determine asset condition**	Pipe material :	**Polyvinyl chloride**
Total length :	**3.84 m**	Lining :	

Comment :

1:50	Position	Code	Observation	Grade
F25				
	0.00	MH	Start node type, manhole, reference number : F25	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	0.00	LR	Line deviates right	(Serv) 0
	2.63	WL	Water level, 15% of the vertical dimension	(Serv) 0
	3.84	MHF	Finish node type, manhole reference number: F27	(Constr) 0
F27				

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**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

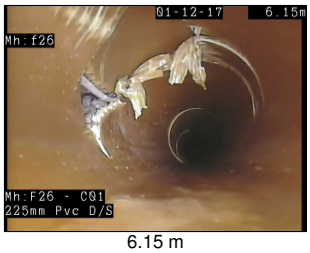
Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**17**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**F26**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**CO1**
Inspection	**F26 (D/S) CO1**	Pipe Length		D/S Depth :	

Use:	**Foul**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**225 mm**
Purpose :	**Sample survey to determine asset condition**	Pipe material :	**Polyvinyl chloride**
Total length :	**14.94 m**	Lining :	

Comment :

1:120	Position	Code	Observation	Grade
F26				
	0.00	MH	Start node type, manhole, reference number : F26	(Constr) 0
	0.00	WL	Water level, 10% of the vertical dimension	(Serv) 0
	6.15	B	Broken pipe, from 8 to 12 o'clock Remarks: EXTERNAL REPAIR	(Struct) 4
	13.84	LL	Line deviates left	(Serv) 0
	14.94	MHF	Finish node type, manhole reference number: CO1	(Constr) 0
CO1				



6.15 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**	**5.35**	**80**	**4**	**0**	**0**	**0**	**0**	**1**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection pictures

Place :	Road :	Date :	Section number :	PLR Suffix :
MANCHESTER	**NEW UNION STREET**	**30/01/2018**	**17**	**X**

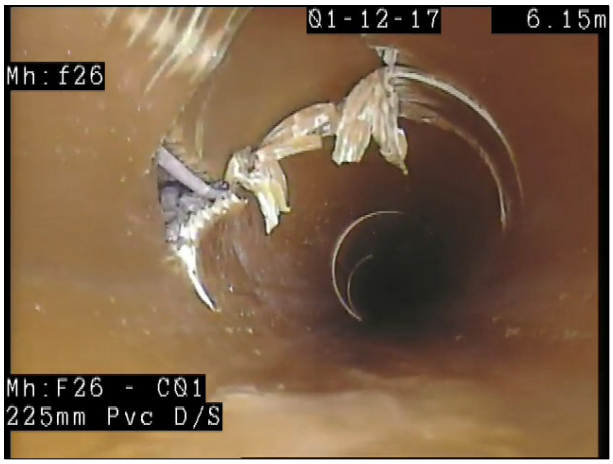


Photo: 17_1_3_30012018_114005_A.jpg
6.15m, Broken pipe, from 8 to 12 o'clock

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**18**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**LINE A**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**F9**
Inspection	**F9 (U/S) LINE A**	Pipe Length		D/S Depth :	

Use:	**Foul**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**150 mm**
Purpose :	**Sample survey to determine asset condition**	Pipe material :	**Polyvinyl chloride**
Total length :	**0.11 m**	Lining :	

Comment :

1:50	Position	Code	Observation	Grade
F9				
	0.00	MH	Start node type, manhole, reference number : F9	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	0.10	LU	Line deviates up	(Serv) 0
	0.11	REF	Finish node type, rodding eye reference number: LINE A	(Constr) 0
LINE 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**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**19**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**LINE B**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**F9**
Inspection	**F9 (U/S) LINE B**	Pipe Length		D/S Depth :	

Use:	**Foul**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**150 mm**
Purpose :	**Sample survey to determine asset condition**	Pipe material :	**Polyvinyl chloride**
Total length :	**0.10 m**	Lining :	

Comment :

1:50	Position	Code	Observation	Grade
F9				
	0.00	MH	Start node type, manhole, reference number : F9	(Constr) 0
	0.00	LU	Line deviates up	(Serv) 0
	0.00	WL	Water level, 0% of the vertical dimension	(Serv) 0
	0.10	REF	Finish node type, rodding eye reference number: LINE B	(Constr) 0
LINE 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**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**20**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**F9**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**F10**
Inspection	**F9 (D/S) F10**	Pipe Length		D/S Depth :	

Use:	**Foul**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**150 mm**
Purpose :	**Sample survey to determine asset condition**	Pipe material :	**Polyvinyl chloride**
Total length :	**13.26 m**	Lining :	

Comment :

1:105	Position	Code	Observation	Grade
F9				
	0.00	MH	Start node type, manhole, reference number : F9	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	2.00	WL	Water level, 10% of the vertical dimension	(Serv) 0
	13.26	MHF	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**

BlockBusters Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**21**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**F10**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**F20**
Inspection	**F10 (D/S) F20**	Pipe Length		D/S Depth :	

Use:	**Foul**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**150 mm**
Purpose :	**Sample survey to determine asset condition**	Pipe material :	**Polyvinyl chloride**
Total length :	**22.00 m**	Lining :	

Comment :

1:165	Position	Code	Observation	Grade
F10				
	0.00	MH	Start node type, manhole, reference number : F10	(Constr) 0
	0.00	WL	Water level, 15% of the vertical dimension	(Serv) 0
	2.40	WL	Water level, 25% of the vertical dimension	(Serv) 0
	2.40	CUW	Loss of vision, camera under water	(Misc) 0
	20.13	SA	Survey abandoned Remarks: CAMERA UNDERWATER	(Misc) 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**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**22**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**F11**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**F10**
Inspection	**F10 (U/S) F11**	Pipe Length		D/S Depth :	

Use:	**Foul**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**150 mm**
Purpose :	**Sample survey to determine asset condition**	Pipe material :	**Polyvinyl chloride**
Total length :	**10.00 m**	Lining :	

Comment :



1:50	Position	Code	Observation	Grade
F10	0.00	MH	Start node type, manhole, reference number : F10	(Constr) 0
	0.00	WL	Water level, 10% of the vertical dimension	(Serv) 0
	4.72	SA	Survey abandoned Remarks: LOSS OF VISION	(Misc) 0
F11				

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**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**23**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**LINE A**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**F10**
Inspection	**F10 (U/S) LINE A**	Pipe Length		D/S Depth :	

Use:	**Foul**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**150 mm**
Purpose :	**Sample survey to determine asset condition**	Pipe material :	**Polyvinyl chloride**
Total length :	**0.98 m**	Lining :	

Comment :

1:50	Position	Code	Observation	Grade
F10				
	0.00	MH	Start node type, manhole, reference number : F10	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	0.10	LU	Line deviates up	(Serv) 0
	0.98	REF	Finish node type, rodding eye reference number: LINE A	(Constr) 0
LINE 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**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**24**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**F4**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**F7**
Inspection	**F7 (U/S) F4**	Pipe Length		D/S Depth :	

Use:	**Foul**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**150 mm**
Purpose :	**Sample survey to determine asset condition**	Pipe material :	**Polyvinyl chloride**
Total length :	**29.90 m**	Lining :	

Comment :



1:240	Position	Code	Observation	Grade
F7				
	0.00	MH	Start node type, manhole, reference number : F7	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	16.00	JN	Junction, at 2 o'clock, diameter 100mm	(Constr) 0
	23.80	JN	Junction, at 1 o'clock, diameter 100mm	(Constr) 0
	29.90	MHF	Finish node type, manhole reference number: F4	(Constr) 0
F4				

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**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**25**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**F1**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**F4**
Inspection	**F4 (U/S) F1**	Pipe Length		D/S Depth :	

Use:	**Foul**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**150 mm**
Purpose :	**Sample survey to determine asset condition**	Pipe material :	**Polyvinyl chloride**
Total length :	**11.20 m**	Lining :	

Comment :

1:90	Position	Code	Observation	Grade
F4				
	0.00	MH	Start node type, manhole, reference number : F4	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	5.70	JN	Junction, at 3 o'clock, diameter 100mm	(Constr) 0
	11.20	MHF	Finish node type, manhole reference number: F1	(Constr) 0
F1				

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**

BlockBusters Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**26**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**F6**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**F7**
Inspection	**F7 (U/S) F6**	Pipe Length		D/S Depth :	

Use:	**Foul**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**150 mm**
Purpose :	**Sample survey to determine asset condition**	Pipe material :	**Polyvinyl chloride**
Total length :	**6.30 m**	Lining :	

Comment :

1:60	Position	Code	Observation	Grade
F7				
	0.00	MH	Start node type, manhole, reference number : F7	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	1.20	WL	Water level, 10% of the vertical dimension	(Serv) 0
	1.80	WL	Water level, 5% of the vertical dimension	(Serv) 0
	6.30	MHF	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**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**27**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**F7**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**F9**
Inspection	**F7 (D/S) F9**	Pipe Length		D/S Depth :	

Use:	**Foul**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**150 mm**
Purpose :	**Sample survey to determine asset condition**	Pipe material :	**Polyvinyl chloride**
Total length :	**12.00 m**	Lining :	

Comment :

1:105	Position	Code	Observation	Grade
F7				
	0.00	MH	Start node type, manhole, reference number : F7	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	10.90	JN	Junction, at 3 o'clock, diameter 150mm	(Constr) 0
	10.90	WL	Water level, 10% of the vertical dimension	(Serv) 0
	12.00	MHF	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**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**28**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**F9**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**F10**
Inspection	**F9 (D/S) F10**	Pipe Length		D/S Depth :	

Use:	**Foul**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**150 mm**
Purpose :	**Sample survey to determine asset condition**	Pipe material :	**Polyvinyl chloride**
Total length :	**14.50 m**	Lining :	

Comment :

1:120	Position	Code	Observation	Grade
F9				
	0.00	MH	Start node type, manhole, reference number : F9	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	3.30	WL	Water level, 10% of the vertical dimension	(Serv) 0
	7.60	WL	Water level, 5% of the vertical dimension	(Serv) 0
	10.20	WL	Water level, 10% of the vertical dimension	(Serv) 0
	11.10	WL	Water level, 15% of the vertical dimension	(Serv) 0
	13.20	WL	Water level, 20% of the vertical dimension	(Serv) 0
	14.50	MHF	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**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**29**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**F14**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**F20**
Inspection	**F20 (U/S) F14**	Pipe Length		D/S Depth :	

Use:	**Foul**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**225 mm**
Purpose :	**Sample survey to determine asset condition**	Pipe material :	**Polyvinyl chloride**
Total length :	**40.00 m**	Lining :	

Comment :

1:255	Position	Code	Observation	Grade
F20				
	0.00	MH	Start node type, manhole, reference number : F20	(Constr) 0
	0.00	WL	Water level, 0% of the vertical dimension	(Serv) 0
	1.70	SC	Dimension changes, 150mm high	0
	15.80	JN	Junction, at 10 o'clock, diameter 150mm	(Constr) 0
	31.10	JN	Junction, at 9 o'clock, diameter 150mm	(Constr) 0
	31.90	SA	Survey abandoned Remarks: UNABLE TO PASS JUNCTION	(Misc) 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**

BLOCKBUSTERS
Environmental Services

BlockBusters Environmental Services NI Ltd
Win Business Park
Street : Newry, BT35 6PH
Tel: 02830 263115
Fax:
Email: barry@blockbustersenvironmental.co.uk

Inspection report

Date :	Job number :	Weather :	Operator :	Section number :	PLR SUFFIX:
30/01/2018			**PAT**	**30**	**X**
Weather	Vehicle :	Camera :	Preset :	Cleaned :	Operator :
				yes	**PAT**

Place :	**MANCHESTER**	Location details:		U/S MH :	**F20**
Road :	**NEW UNION STREET**	Catchment:		U/S Depth :	
Location		Tape number :		D/S MH :	**F26**
Inspection	**F20 (D/S) F26**	Pipe Length		D/S Depth :	

Use:	**Foul**	Pipe shape :	**Circular**
Year laid :		Pipe size :	**225 mm**
Purpose :	**Sample survey to determine asset condition**	Pipe material :	**Polyvinyl chloride**
Total length :	**42.70 m**	Lining :	

Comment :

1:345	Position	Code	Observation	Grade
F20				
	0.00	MH	Start node type, manhole, reference number : F20	(Constr) 0
	0.00	WL	Water level, 5% of the vertical dimension	(Serv) 0
	42.70	JN	Junction, at 6 o'clock, diameter 225mm Remarks: BACKDROP	(Constr) 0
	42.70	MHF	Finish node type, manhole reference number: F26	(Constr) 0
F26				

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**

Report Information

This page can be edited to contain any information you feel is necessary.

A disclaimer.

Any terms and conditions

Table of Contents

Project Name	Project Number:	Date:
ROSWICK NEW UNION STREET MANCHESTER FOUL	**1**	**30/01/2018**

Project Information P-1
Section Profile P-2
Section Summary P-4
Project Summary P-12
Section: 1; LINE A - F6 1
Section: 2; LINE A - F21 2
Section: 3; LINE B - F21 3
Section: 4; F21 - F22 4
Section: 5; LINE A - F22 5
Section: 6; LINE B - F22 6
Section: 7; LINE C - F22 7
Section: 8; LINE D - F22 8
Section: 9; F22 - NODE 1 9
Section: 10; LINE A - F13 10
Section: 11; F13 - F8 11
Section: 12; LINE A - F8 12
Section: 13; LINE B - F8 13
Section: 14; F8 - NODE 1 14
Section: 15; F25 - F26 15
Section: 16; F27 - F25 16
Section: 17; F26 - CO1 17
Section: 18; LINE A - F9 19
Section: 19; LINE B - F9 20
Section: 20; F9 - F10 21
Section: 21; F10 - F20 22
Section: 22; F11 - F10 23
Section: 23; LINE A - F10 24
Section: 24; F4 - F7 25
Section: 25; F1 - F4 26

Table of Contents

Project Name	Project Number:	Date:
ROSWICK NEW UNION STREET MANCHESTER FOUL	**1**	**30/01/2018**

Section: 26; F6 - F7 27

Section: 27; F7 - F9 28

Section: 28; F9 - F10 29

Section: 29; F14 - F20 30

Section: 30; F20 - F26 31

Project Information

Project Name:	Client's Ref:		Project Date:
ROSWICK NEW UNION STREET MANCHESTER FOUL	**1**		**30/01/2018**

Contractor

Company:	BlockBusters Environmental Services NI Ltd
Department:	Operations
Street:	Win Business Park
Town or City:	6PH

Section Profile

Project Name:	Project Number:	Project Date:
ROSWICK NEW UNION STREET MANCHESTER FOUL	**1**	**30/01/2018**

Section No.	Upstream Node	Downstream Node	Date	Road	Pipe Material	Expected Length [m]	Inspected Length [m]
1	LINE A	F6	30/01/2018	NEW UNION STREET	Polyvinyl chloride	0.10	0.10
3	LINE B	F21	30/01/2018	NEW UNION STREET	Polyvinyl chloride	11.64	11.64
6	LINE B	F22	30/01/2018	NEW UNION STREET	Polyvinyl chloride	11.86	11.86
8	LINE D	F22	30/01/2018	NEW UNION STREET	Polyvinyl chloride	9.23	9.23
12	LINE A	F8	30/01/2018	NEW UNION STREET	Polyvinyl chloride	6.70	6.70
16	F27	F25	30/01/2018	NEW UNION STREET	Polyvinyl chloride	3.84	3.84

6 x Circular 100 = 43.37 Expected Length [m] (43.37 Inspected Length [m])

Section No.	Upstream Node	Downstream Node	Date	Road	Pipe Material	Expected Length [m]	Inspected Length [m]
2	LINE A	F21	30/01/2018	NEW UNION STREET	Polyvinyl chloride	13.18	13.18
4	F21	F22	30/01/2018	NEW UNION STREET	Polyvinyl chloride	3.07	3.07
5	LINE A	F22	30/01/2018	NEW UNION STREET	Polyvinyl chloride	10.32	10.32
7	LINE C	F22	30/01/2018	NEW UNION STREET	Polyvinyl chloride	12.08	12.08
9	F22	NODE 1	30/01/2018	NEW UNION STREET	Polyvinyl chloride	7.80	7.80
10	LINE A	F13	30/01/2018	NEW UNION STREET	Polyvinyl chloride	8.35	8.35
11	F13	F8	30/01/2018	NEW UNION STREET	Polyvinyl chloride	12.96	12.96
13	LINE B	F8	30/01/2018	NEW UNION STREET	Polyvinyl chloride	9.44	9.44
14	F8	NODE 1	30/01/2018	NEW UNION STREET	Polyvinyl chloride	12.63	12.63
15	F25	F26	30/01/2018	NEW UNION STREET	Polyvinyl chloride	9.55	9.55
18	LINE A	F9	30/01/2018	NEW UNION STREET	Polyvinyl chloride	0.11	0.11
19	LINE B	F9	30/01/2018	NEW UNION STREET	Polyvinyl chloride	0.10	0.10
20	F9	F10	30/01/2018	NEW UNION STREET	Polyvinyl chloride	13.26	13.26
21	F10	F20	30/01/2018	NEW UNION STREET	Polyvinyl chloride	22.00	**20.13**
22	F11	F10	30/01/2018	NEW UNION STREET	Polyvinyl chloride	10.00	**4.72**
23	LINE A	F10	30/01/2018	NEW UNION STREET	Polyvinyl chloride	0.98	0.98
24	F4	F7	30/01/2018	NEW UNION STREET	Polyvinyl chloride	29.90	29.90
25	F1	F4	30/01/2018	NEW UNION STREET	Polyvinyl chloride	11.20	11.20
26	F6	F7	30/01/2018	NEW UNION STREET	Polyvinyl chloride	6.30	6.30

Section Profile

Project Name:	Project Number:	Project Date:
ROSWICK NEW UNION STREET MANCHESTER FOUL	**1**	**30/01/2018**

27	F7	F9	30/01/2018	NEW UNION STREET	Polyvinyl chloride	12.00	12.00
28	F9	F10	30/01/2018	NEW UNION STREET	Polyvinyl chloride	14.50	14.50

21 x Circular 150 = 219.73 Expected Length [m] (212.58 Inspected Length [m])

Sectio No.	Upstream Node	Downstream Node	Date	Road	Pipe Material	Expected Length [m]	Inspected Length [m]
17	F26	CO1	30/01/2018	NEW UNION STREET	Polyvinyl chloride	14.94	14.94
29	F14	F20	30/01/2018	NEW UNION STREET	Polyvinyl chloride	40.00	**31.90**
30	F20	F26	30/01/2018	NEW UNION STREET	Polyvinyl chloride	42.70	42.70

3 x Circular 225 = 97.64 Expected Length [m] (89.54 Inspected Length [m])

Total: 30 = 360.74 Expected Length [m] (345.49 Inspected Length [m])

Section Summary

Project Name:	Project Number:	Project Date:
ROSWICK NEW UNION STREET MANCHESTER FOUL	**1**	**30/01/2018**

Number of sections	30
Total length of sewer network	360.74 m
Inspected length of sewer network	345.49 m
Not inspected length of sewer network	0.00 m
Total abandoned inspections	0
Number of section inspection photos	1
Number of section inspection videos	30
Number of section inspection scans	0
Number of section inclination measurements	0

Section Summary

Project Name:	Project Number:	Project Date:
ROSWICK NEW UNION STREET MANCHESTER FOUL	**1**	**30/01/2018**

PLR:	LINE AX	**Upstream Node:**	LINE A
Town or Village:		**Downstream Node:**	F6
Road:	NEW UNION STREET	**Dia/Height [mm]:**	100 mm
Expected Length [m]:	0.10 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : F6
2	0.00	WL	Water level, 5% of the vertical dimension
3	0.00	JN	Junction, at 6 o'clock, diameter 100mm
4	0.10	GYF	Finish node type, gully reference number: LINE A

PLR:	LINE AX	**Upstream Node:**	LINE A
Town or Village:		**Downstream Node:**	F21
Road:	NEW UNION STREET	**Dia/Height [mm]:**	150 mm
Expected Length [m]:	13.18 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : F21
2	0.00	WL	Water level, 5% of the vertical dimension
3	7.58	JN	Junction, at 9 o'clock, diameter 150mm
4	8.68	JN	Junction, at 9 o'clock, diameter 150mm
5	11.20	JN	Junction, at 9 o'clock, diameter 150mm
6	11.42	LR	Line deviates right
7	12.30	LU	Line deviates up
8	13.18	REF	Finish node type, rodding eye reference number: LINE A

PLR:	LINE BX	**Upstream Node:**	LINE B
Town or Village:		**Downstream Node:**	F21
Road:	NEW UNION STREET	**Dia/Height [mm]:**	100 mm
Expected Length [m]:	11.64 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : F21
2	0.00	WL	Water level, 5% of the vertical dimension
3	9.23	LR	Line deviates right
4	9.44	JN	Junction, at 9 o'clock, diameter 100mm
5	11.09	LU	Line deviates up
6	11.64	REF	Finish node type, rodding eye reference number: LINE B

PLR:	F21X	**Upstream Node:**	F21
Town or Village:		**Downstream Node:**	F22
Road:	NEW UNION STREET	**Dia/Height [mm]:**	150 mm
Expected Length [m]:	3.07 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : F21
2	0.00	WL	Water level, 5% of the vertical dimension
3	3.07	MHF	Finish node type, manhole reference number: F22

PLR:	LINE AX	**Upstream Node:**	LINE A
Town or Village:		**Downstream Node:**	F22
Road:	NEW UNION STREET	**Dia/Height [mm]:**	150 mm
Expected Length [m]:	10.32 m	**Pipe Material:**	Polyvinyl chloride

Section Summary

Project Name:	Project Number:	Project Date:
ROSWICK NEW UNION STREET MANCHESTER FOUL	**1**	**30/01/2018**

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : F22
2	0.00	WL	Water level, 5% of the vertical dimension
3	9.01	JN	Junction, at 9 o'clock, diameter 150mm
4	9.23	LR	Line deviates right
5	9.70	LU	Line deviates up
6	10.32	REF	Finish node type, rodding eye reference number: LINE A

PLR:	LINE BX	**Upstream Node:**	LINE B
Town or Village:		**Downstream Node:**	F22
Road:	NEW UNION STREET	**Dia/Height [mm]:**	100 mm
Expected Length [m]:	11.86 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : F22
2	0.00	WL	Water level, 5% of the vertical dimension
3	0.10	LR	Line deviates right
4	10.10	JN	Junction, at 3 o'clock, diameter 100mm
5	11.20	LU	Line deviates up
6	11.86	REF	Finish node type, rodding eye reference number: LINE B

PLR:	LINE CX	**Upstream Node:**	LINE C
Town or Village:		**Downstream Node:**	F22
Road:	NEW UNION STREET	**Dia/Height [mm]:**	150 mm
Expected Length [m]:	12.08 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : F22
2	0.00	WL	Water level, 5% of the vertical dimension
3	7.25	LL	Line deviates left
4	8.02	JN	Junction, at 9 o'clock, diameter 150mm
5	8.68	LR	Line deviates right
6	9.01	JN	Junction, at 9 o'clock, diameter 150mm
7	9.66	LR	Line deviates right
8	10.65	JN	Junction, at 3 o'clock, diameter 150mm
9	11.53	LU	Line deviates up
10	12.08	REF	Finish node type, rodding eye reference number: LINE C

PLR:	LINE DX	**Upstream Node:**	LINE D
Town or Village:		**Downstream Node:**	F22
Road:	NEW UNION STREET	**Dia/Height [mm]:**	100 mm
Expected Length [m]:	9.23 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : F22
2	0.00	WL	Water level, 5% of the vertical dimension
3	7.25	LR	Line deviates right
4	8.02	LR	Line deviates right
5	8.46	LU	Line deviates up
6	9.23	REF	Finish node type, rodding eye reference number: LINE D

Section Summary

Project Name:	Project Number:	Project Date:
ROSWICK NEW UNION STREET MANCHESTER FOUL	**1**	**30/01/2018**

PLR:	F22X	**Upstream Node:**	F22
Town or Village:		**Downstream Node:**	NODE 1
Road:	NEW UNION STREET	**Dia/Height [mm]:**	150 mm
Expected Length [m]:	7.80 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : F22
2	0.00	WL	Water level, 5% of the vertical dimension
3	7.36	LD	Line deviates down
4	7.80	OFF	Finish node type, outfall reference number: NODE 1

PLR:	LINE AX	**Upstream Node:**	LINE A
Town or Village:		**Downstream Node:**	F13
Road:	NEW UNION STREET	**Dia/Height [mm]:**	150 mm
Expected Length [m]:	8.35 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : F13
2	0.00	WL	Water level, 5% of the vertical dimension
3	1.75	LU	Line deviates up
4	8.35	REF	Finish node type, rodding eye reference number: LINE A

PLR:	F13X	**Upstream Node:**	F13
Town or Village:		**Downstream Node:**	F8
Road:	NEW UNION STREET	**Dia/Height [mm]:**	150 mm
Expected Length [m]:	12.96 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : F13
2	0.00	WL	Water level, 5% of the vertical dimension
3	12.96	MHF	Finish node type, manhole reference number: F8

PLR:	LINE AX	**Upstream Node:**	LINE A
Town or Village:		**Downstream Node:**	F8
Road:	NEW UNION STREET	**Dia/Height [mm]:**	100 mm
Expected Length [m]:	6.70 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : F8
2	0.00	WL	Water level, 5% of the vertical dimension
3	2.41	LR	Line deviates right
4	6.26	LU	Line deviates up
5	6.70	REF	Finish node type, rodding eye reference number: LINE A

PLR:	LINE BX	**Upstream Node:**	LINE B
Town or Village:		**Downstream Node:**	F8
Road:	NEW UNION STREET	**Dia/Height [mm]:**	150 mm
Expected Length [m]:	9.44 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : F8
2	0.00	WL	Water level, 5% of the vertical dimension
3	0.00	LL	Line deviates left
4	1.42	LR	Line deviates right

Section Summary

Project Name:	Project Number:	Project Date:
ROSWICK NEW UNION STREET MANCHESTER FOUL	**1**	**30/01/2018**

No.	m+	Code	Observation
5	8.90	LU	Line deviates up
6	9.44	REF	Finish node type, rodding eye reference number: LINE B

PLR:	F8X	**Upstream Node:**	F8
Town or Village:		**Downstream Node:**	NODE 1
Road:	NEW UNION STREET	**Dia/Height [mm]:**	150 mm
Expected Length [m]:	12.63 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : F8
2	0.00	WL	Water level, 5% of the vertical dimension
3	11.75	LD	Line deviates down
4	12.63	OFF	Finish node type, outfall reference number: NODE 1

PLR:	F25X	**Upstream Node:**	F25
Town or Village:		**Downstream Node:**	F26
Road:	NEW UNION STREET	**Dia/Height [mm]:**	150 mm
Expected Length [m]:	9.55 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : F26
2	0.00	WL	Water level, 5% of the vertical dimension
3	1.09	DES	Settled deposits, fine, 5% cross-sectional area loss
4	9.34	LR	Line deviates right
5	9.55	MHF	Finish node type, manhole reference number: F25

PLR:	F27X	**Upstream Node:**	F27
Town or Village:		**Downstream Node:**	F25
Road:	NEW UNION STREET	**Dia/Height [mm]:**	100 mm
Expected Length [m]:	3.84 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : F25
2	0.00	WL	Water level, 5% of the vertical dimension
3	0.00	LR	Line deviates right
4	2.63	WL	Water level, 15% of the vertical dimension
5	3.84	MHF	Finish node type, manhole reference number: F27

PLR:	F26X	**Upstream Node:**	F26
Town or Village:		**Downstream Node:**	CO1
Road:	NEW UNION STREET	**Dia/Height [mm]:**	225 mm
Expected Length [m]:	14.94 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : F26
2	0.00	WL	Water level, 10% of the vertical dimension
3	6.15	B	Broken pipe, from 8 to 12 o'clock
4	13.84	LL	Line deviates left
5	14.94	MHF	Finish node type, manhole reference number: CO1

Section Summary

Project Name:	Project Number:	Project Date:
ROSWICK NEW UNION STREET MANCHESTER FOUL	**1**	**30/01/2018**

PLR:	LINE AX	**Upstream Node:**	LINE A
Town or Village:		**Downstream Node:**	F9
Road:	NEW UNION STREET	**Dia/Height [mm]:**	150 mm
Expected Length [m]:	0.11 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : F9
2	0.00	WL	Water level, 5% of the vertical dimension
3	0.10	LU	Line deviates up
4	0.11	REF	Finish node type, rodding eye reference number: LINE A

PLR:	LINE BX	**Upstream Node:**	LINE B
Town or Village:		**Downstream Node:**	F9
Road:	NEW UNION STREET	**Dia/Height [mm]:**	150 mm
Expected Length [m]:	0.10 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : F9
2	0.00	LU	Line deviates up
3	0.00	WL	Water level, 0% of the vertical dimension
4	0.10	REF	Finish node type, rodding eye reference number: LINE B

PLR:	F9X	**Upstream Node:**	F9
Town or Village:		**Downstream Node:**	F10
Road:	NEW UNION STREET	**Dia/Height [mm]:**	150 mm
Expected Length [m]:	13.26 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : F9
2	0.00	WL	Water level, 5% of the vertical dimension
3	2.00	WL	Water level, 10% of the vertical dimension
4	13.26	MHF	Finish node type, manhole reference number: F10

PLR:	F10X	**Upstream Node:**	F10
Town or Village:		**Downstream Node:**	F20
Road:	NEW UNION STREET	**Dia/Height [mm]:**	150 mm
Expected Length [m]:	22.00 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : F10
2	0.00	WL	Water level, 15% of the vertical dimension
3	2.40	WL	Water level, 25% of the vertical dimension
4	2.40	CUW	Loss of vision, camera under water
5	20.13	SA	Survey abandoned

PLR:	F11X	**Upstream Node:**	F11
Town or Village:		**Downstream Node:**	F10
Road:	NEW UNION STREET	**Dia/Height [mm]:**	150 mm
Expected Length [m]:	10.00 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : F10
2	0.00	WL	Water level, 10% of the vertical dimension
3	4.72	SA	Survey abandoned

Section Summary

Project Name:	Project Number:	Project Date:
ROSWICK NEW UNION STREET MANCHESTER FOUL	**1**	**30/01/2018**

PLR:	LINE AX	**Upstream Node:**	LINE A
Town or Village:		**Downstream Node:**	F10
Road:	NEW UNION STREET	**Dia/Height [mm]:**	150 mm
Expected Length [m]:	0.98 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : F10
2	0.00	WL	Water level, 5% of the vertical dimension
3	0.10	LU	Line deviates up
4	0.98	REF	Finish node type, rodding eye reference number: LINE A

PLR:	F4X	**Upstream Node:**	F4
Town or Village:		**Downstream Node:**	F7
Road:	NEW UNION STREET	**Dia/Height [mm]:**	150 mm
Expected Length [m]:	29.90 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : F7
2	0.00	WL	Water level, 5% of the vertical dimension
3	16.00	JN	Junction, at 2 o'clock, diameter 100mm
4	23.80	JN	Junction, at 1 o'clock, diameter 100mm
5	29.90	MHF	Finish node type, manhole reference number: F4

PLR:	F1X	**Upstream Node:**	F1
Town or Village:		**Downstream Node:**	F4
Road:	NEW UNION STREET	**Dia/Height [mm]:**	150 mm
Expected Length [m]:	11.20 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : F4
2	0.00	WL	Water level, 5% of the vertical dimension
3	5.70	JN	Junction, at 3 o'clock, diameter 100mm
4	11.20	MHF	Finish node type, manhole reference number: F1

PLR:	F6X	**Upstream Node:**	F6
Town or Village:		**Downstream Node:**	F7
Road:	NEW UNION STREET	**Dia/Height [mm]:**	150 mm
Expected Length [m]:	6.30 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : F7
2	0.00	WL	Water level, 5% of the vertical dimension
3	1.20	WL	Water level, 10% of the vertical dimension
4	1.80	WL	Water level, 5% of the vertical dimension
5	6.30	MHF	Finish node type, manhole reference number: F6

PLR:	F7X	**Upstream Node:**	F7
Town or Village:		**Downstream Node:**	F9
Road:	NEW UNION STREET	**Dia/Height [mm]:**	150 mm
Expected Length [m]:	12.00 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : F7
2	0.00	WL	Water level, 5% of the vertical dimension

Section Summary

Project Name:	Project Number:	Project Date:
ROSWICK NEW UNION STREET MANCHESTER FOUL	**1**	**30/01/2018**

No.	m+	Code	Observation
3	10.90	JN	Junction, at 3 o'clock, diameter 150mm
4	10.90	WL	Water level, 10% of the vertical dimension
5	12.00	MHF	Finish node type, manhole reference number: F9

PLR:	F9X	**Upstream Node:**	F9
Town or Village:		**Downstream Node:**	F10
Road:	NEW UNION STREET	**Dia/Height [mm]:**	150 mm
Expected Length [m]:	14.50 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : F9
2	0.00	WL	Water level, 5% of the vertical dimension
3	3.30	WL	Water level, 10% of the vertical dimension
4	7.60	WL	Water level, 5% of the vertical dimension
5	10.20	WL	Water level, 10% of the vertical dimension
6	11.10	WL	Water level, 15% of the vertical dimension
7	13.20	WL	Water level, 20% of the vertical dimension
8	14.50	MHF	Finish node type, manhole reference number: F10

PLR:	F14X	**Upstream Node:**	F14
Town or Village:		**Downstream Node:**	F20
Road:	NEW UNION STREET	**Dia/Height [mm]:**	225 mm
Expected Length [m]:	40.00 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : F20
2	0.00	WL	Water level, 0% of the vertical dimension
3	1.70	SC	Dimension changes, 150mm high
4	15.80	JN	Junction, at 10 o'clock, diameter 150mm
5	31.10	JN	Junction, at 9 o'clock, diameter 150mm
6	31.90	SA	Survey abandoned

PLR:	F20X	**Upstream Node:**	F20
Town or Village:		**Downstream Node:**	F26
Road:	NEW UNION STREET	**Dia/Height [mm]:**	225 mm
Expected Length [m]:	42.70 m	**Pipe Material:**	Polyvinyl chloride

No.	m+	Code	Observation
1	0.00	MH	Start node type, manhole, reference number : F20
2	0.00	WL	Water level, 5% of the vertical dimension
3	42.70	JN	Junction, at 6 o'clock, diameter 225mm
4	42.70	MHF	Finish node type, manhole reference number: F26

Project Summary

Project Name:	Project Number:	Project Start Date:
ROSWICK NEW UNION STREET MANCHESTER FOUL	**1**	**30/01/2018 08:41:18**

Section Summary

Sect. No.	PLR	Upstream Node	Downstream Node	Road	Town	Type	Use	Mat.	Profile	Length
1	LINE AX	LINE A	F6	New Union Street		SEC	F	PVC	C 100/ mm	0.10 m
2	LINE AX	LINE A	F21	New Union Street		SEC	F	PVC	C 150/ mm	13.18 m
3	LINE BX	LINE B	F21	New Union Street		SEC	F	PVC	C 100/ mm	11.64 m
4	F21X	F21	F22	New Union Street		SEC	F	PVC	C 150/ mm	3.07 m
5	LINE AX	LINE A	F22	New Union Street		SEC	F	PVC	C 150/ mm	10.32 m
6	LINE BX	LINE B	F22	New Union Street		SEC	F	PVC	C 100/ mm	11.86 m
7	LINE CX	LINE C	F22	New Union Street		SEC	F	PVC	C 150/ mm	12.08 m
8	LINE DX	LINE D	F22	New Union Street		SEC	F	PVC	C 100/ mm	9.23 m
9	F22X	F22	NODE 1	New Union Street		SEC	F	PVC	C 150/ mm	7.80 m
10	LINE AX	LINE A	F13	New Union Street		SEC	F	PVC	C 150/ mm	8.35 m
11	F13X	F13	F8	New Union Street		SEC	F	PVC	C 150/ mm	12.96 m
12	LINE AX	LINE A	F8	New Union Street		SEC	F	PVC	C 100/ mm	6.70 m
13	LINE BX	LINE B	F8	New Union Street		SEC	F	PVC	C 150/ mm	9.44 m
14	F8X	F8	NODE 1	New Union Street		SEC	F	PVC	C 150/ mm	12.63 m
15	F25X	F25	F26	New Union Street		SEC	F	PVC	C 150/ mm	9.55 m
16	F27X	F27	F25	New Union Street		SEC	F	PVC	C 100/ mm	3.84 m
17	F26X	F26	CO1	New Union Street		SEC	F	PVC	C 225/ mm	14.94 m
18	LINE AX	LINE A	F9	New Union Street		SEC	F	PVC	C 150/ mm	0.11 m
19	LINE BX	LINE B	F9	New Union Street		SEC	F	PVC	C 150/ mm	0.10 m
20	F9X	F9	F10	New Union Street		SEC	F	PVC	C 150/ mm	13.26 m
21	F10X	F10	F20	New Union Street		SEC	F	PVC	C 150/ mm	22.00 m
22	F11X	F11	F10	New Union Street		SEC	F	PVC	C 150/ mm	10.00 m
23	LINE AX	LINE A	F10	New Union Street		SEC	F	PVC	C 150/ mm	0.98 m
24	F4X	F4	F7	New Union Street		SEC	F	PVC	C 150/ mm	29.90 m
25	F1X	F1	F4	New Union Street		SEC	F	PVC	C 150/ mm	11.20 m
26	F6X	F6	F7	New Union Street		SEC	F	PVC	C 150/ mm	6.30 m
27	F7X	F7	F9	New Union Street		SEC	F	PVC	C 150/ mm	12.00 m
28	F9X	F9	F10	New Union Street		SEC	F	PVC	C 150/ mm	14.50 m
29	F14X	F14	F20	New Union Street		SEC	F	PVC	C 225/ mm	40.00 m
30	F20X	F20	F26	New Union Street		SEC	F	PVC	C 225/ mm	42.70 m

Project Summary

Project Name:	Project Number:	Project Start Date:
ROSWICK NEW UNION STREET MANCHESTER FOUL	**1**	**30/01/2018 08:41:18**

Sect. No.	PLR	Upstream Node	Downstream Node	Road	Town	Type	Use	Mat.	Profile	Length
									Total:	**360.70 m**

Section Levels

Sect. No.	PLR	Upstream Node	Upstream C.L.	Upstream I.L.	Upstream I.D.	Downstream Node	Downstream C.L.	Downstream I.L.	Downstream I.D.
1	LINE AX	LINE A			0.000 m	F6			0.000 m
2	LINE AX	LINE A			0.000 m	F21			0.000 m
3	LINE BX	LINE B			0.000 m	F21			0.000 m
4	F21X	F21			0.000 m	F22			0.000 m
5	LINE AX	LINE A			0.000 m	F22			0.000 m
6	LINE BX	LINE B			0.000 m	F22			0.000 m
7	LINE CX	LINE C			0.000 m	F22			0.000 m
8	LINE DX	LINE D			0.000 m	F22			0.000 m
9	F22X	F22			0.000 m	NODE 1			0.000 m
10	LINE AX	LINE A			0.000 m	F13			0.000 m
11	F13X	F13			0.000 m	F8			0.000 m
12	LINE AX	LINE A			0.000 m	F8			0.000 m
13	LINE BX	LINE B			0.000 m	F8			0.000 m
14	F8X	F8			0.000 m	NODE 1			0.000 m
15	F25X	F25			0.000 m	F26			0.000 m
16	F27X	F27			0.000 m	F25			0.000 m
17	F26X	F26			0.000 m	CO1			0.000 m
18	LINE AX	LINE A			0.000 m	F9			0.000 m
19	LINE BX	LINE B			0.000 m	F9			0.000 m
20	F9X	F9			0.000 m	F10			0.000 m
21	F10X	F10			0.000 m	F20			0.000 m
22	F11X	F11			0.000 m	F10			0.000 m
23	LINE AX	LINE A			0.000 m	F10			0.000 m
24	F4X	F4			0.000 m	F7			0.000 m
25	F1X	F1			0.000 m	F4			0.000 m

Project Summary

Project Name:	Project Number:	Project Start Date:
ROSWICK NEW UNION STREET MANCHESTER FOUL	**1**	**30/01/2018 08:41:18**

Sect. No.	PLR	Upstream Node	Upstream C.L.	Upstream I.L.	Upstream I.D.	Downstream Node	Downstream C.L.	Downstream I.L.	Downstream I.D.
26	F6X	F6			0.000 m	F7			0.000 m
27	F7X	F7			0.000 m	F9			0.000 m
28	F9X	F9			0.000 m	F10			0.000 m
29	F14X	F14			0.000 m	F20			0.000 m
30	F20X	F20			0.000 m	F26			0.000 m

Section Summary by Profile

Profile		Total Length	No. Sections
C 100/ mm	=	43.4 m	6
C 150/ mm	=	219.7 m	21
C 225/ mm	=	97.6 m	3
Total	**=**	**360.7 m**	**30**

Inspection Summary

Sect. No.	Insp. No.	Upstream Node	Downstream Node	Dir.	Operator	Insp. Date	Insp. Time	Str	Ser	Final Observation	Length
1	1	LINE A	F6	US	Pat	30/01/2018	0:00	1	1	GYF	0.10 m
2	1	LINE A	F21	US	Pat	30/01/2018	0:00	1	1	REF	13.18 m
3	1	LINE B	F21	US	Pat	30/01/2018	0:00	1	1	REF, SVP	11.64 m
4	1	F21	F22	US	Pat	30/01/2018	0:00	1	1	MHF	3.07 m
5	1	LINE A	F22	US	Pat	30/01/2018	0:00	1	1	REF, SVP	10.32 m
6	1	LINE B	F22	US	Pat	30/01/2018	0:00	1	1	REF, SVP	11.86 m
7	1	LINE C	F22	US	Pat	30/01/2018	0:00	1	1	REF, SVP	12.08 m
8	1	LINE D	F22	US	Pat	30/01/2018	0:00	1	1	REF, SVP	9.23 m
9	1	F22	NODE 1	US	Pat	30/01/2018	0:00	1	1	OFF, MAIN	7.80 m
10	1	LINE A	F13	US	Pat	30/01/2018	0:00	1	1	REF, SVP	8.35 m
11	1	F13	F8	US	Pat	30/01/2018	0:00	1	1	MHF	12.96 m
12	1	LINE A	F8	US	Pat	30/01/2018	0:00	1	1	REF, SVP	6.70 m
13	1	LINE B	F8	US	Pat	30/01/2018	0:00	1	1	REF, SVP	9.44 m
14	1	F8	NODE 1	US	Pat	30/01/2018	0:00	1	1	OFF, MAIN	12.63 m

Project Summary

Project Name:	Project Number:	Project Start Date:
ROSWICK NEW UNION STREET MANCHESTER FOUL	**1**	**30/01/2018 08:41:18**

Sect. No.	Insp. No.	Upstream Node	Downstream Node	Dir.	Operator	Insp. Date	Insp. Time	Str	Ser	Final Observation	Length
15	1	F25	F26	US	Pat	30/01/2018	0:00	1	1	MHF	9.55 m
16	1	F27	F25	US	Pat	30/01/2018	0:00	1	1	MHF	3.84 m
17	1	F26	CO1	US	Pat	30/01/2018	0:00	1	1	MHF	14.94 m
18	1	LINE A	F9	US	Pat	30/01/2018	0:00	1	1	REF	0.11 m
19	1	LINE B	F9	US	Pat	30/01/2018	0:00	1	1	REF	0.10 m
20	1	F9	F10	US	Pat	30/01/2018	0:00	1	1	MHF	13.26 m
21	1	F10	F20	US	Pat	30/01/2018	0:00	1	1	SA, CAMERA UNDERWATER	20.13 m
22	1	F11	F10	US	Pat	30/01/2018	0:00	1	1	SA, LOSS OF VISION	4.72 m
23	1	LINE A	F10	US	Pat	30/01/2018	0:00	1	1	REF	0.98 m
24	1	F4	F7	US	Pat	30/01/2018	0:00	1	1	MHF	29.90 m
25	1	F1	F4	US	Pat	30/01/2018	0:00	1	1	MHF	11.20 m
26	1	F6	F7	US	Pat	30/01/2018	0:00	1	1	MHF	6.30 m
27	1	F7	F9	US	Pat	30/01/2018	0:00	1	1	MHF	12.00 m
28	1	F9	F10	US	Pat	30/01/2018	0:00	1	1	MHF	14.50 m
29	1	F14	F20	US	Pat	30/01/2018	0:00	1	1	SA, UNABLE TO PASS JUNCTION	31.90 m
30	1	F20	F26	US	Pat	30/01/2018	0:00	1	1	MHF	42.70 m
										Total:	**345.49 m**

Inspection Summary by Profile

Profile		Total Length	No. Inspections
C 100/ mm	=	43.4 m	6
C 150/ mm	=	212.6 m	21
C 225/ mm	=	89.5 m	3
Total	**=**	**345.5 m**	**30**

BlockBusters Environmental Services NI Ltd
Win Business Park, 6PH

Project Summary

Project Name:	Project Number:	Project Start Date:
ROSWICK NEW UNION STREET MANCHESTER FOUL	**1**	**30/01/2018 08:41:18**

Defect Summary

CCTV Drainage Survey Observation Count

				General				Structural Condition									Service Condition							
Sect. No.	Insp. No.	Upstream Node	Downstream Node	Insp. Length (m)	No. Grade 4/5 Obs.	Survey Abandoned	Camera Under Water	Cracks	Fractures	Broken	Deformed	Collapsed	Holes	Surface Damage	Displaced Joints	Open Joints	Roots	Infiltration	Encrustation	Silt	Grease	Obstruction	Water Level	Line Deviates
1	1	LINE A	F6	0.1																			1	
2	1	LINE A	F21	13.2																			1	2
3	1	LINE B	F21	11.6																			1	2
4	1	F21	F22	3.1																			1	
5	1	LINE A	F22	10.3																			1	2
6	1	LINE B	F22	11.9																			1	2
7	1	LINE C	F22	12.1																			1	4
8	1	LINE D	F22	9.2																			1	3
9	1	F22	NODE 1	7.8																			1	1
10	1	LINE A	F13	8.4																			1	1
11	1	F13	F8	13.0																			1	
12	1	LINE A	F8	6.7																			1	2
13	1	LINE B	F8	9.4																			1	3
14	1	F8	NODE 1	12.6																			1	1
15	1	F25	F26	9.6																1			1	1
16	1	F27	F25	3.8																			2	1
17	1	F26	CO1	14.9																			1	1
18	1	LINE A	F9	0.1																			1	1
19	1	LINE B	F9	0.1																			1	1
20	1	F9	F10	13.3																			2	
21	1	F10	F20	20.1		1	1																2	
22	1	F11	F10	4.7		1																	1	
23	1	LINE A	F10	1.0																			1	1
24	1	F4	F7	29.9																			1	

Project Summary

Project Name:	Project Number:	Project Start Date:
ROSWICK NEW UNION STREET MANCHESTER FOUL	**1**	**30/01/2018 08:41:18**

				General				Structural Condition									Service Condition							
Sect. No.	**Insp. No.**	**Upstream Node**	**Downstream Node**	**Insp. Length (m)**	**No. Grade 4/5 Obs.**	**Survey Abandoned**	**Camera Under Water**	**Cracks**	**Fractures**	**Broken**	**Deformed**	**Collapsed**	**Holes**	**Surface Damage**	**Displaced Joints**	**Open Joints**	**Roots**	**Infiltration**	**Encrustation**	**Silt**	**Grease**	**Obstruction**	**Water Level**	**Line Deviates**
25	1	F1	F4	11.2																			1	
26	1	F6	F7	6.3																			3	
27	1	F7	F9	12.0																			2	
28	1	F9	F10	14.5																			6	
29	1	F14	F20	31.9		1																	1	
30	1	F20	F26	42.7																			1	
			Total:	**345.5**		**3**	**1**													**1**			**41**	**29**

BlockBusters Environmental Services NI Ltd
Win Business Park, 6PH

Section Inspection - 30/01/2018 - LINE AX

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
1	**1**	**30/01/18**	**8:41**	**1**			**LINE AX**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**1**

Town or Village:		Insp Dir:	**F6 << LINE A**	US MH:	**LINE A**
Road:	**New Union Street**	Inspected Length:	**0.10 m**	US Depth:	
Location:		Total Length:	**0.10 m**	DS MH:	**F6**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Foul**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**100 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Sample survey to determine asset condition**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
F6						
	0.00	MH	Start node type, manhole, reference number : F6			
	0.00	WL	Water level, 5% of the vertical dimension	00:00:06		
LINE A	0.00	JN	Junction, at 6 o'clock, diameter 100mm: BACKDROP	00:00:06		
	0.10	GYF	Finish node type, gully reference number: LINE A	00:00:00		
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

BlockBusters Environmental Services NI Ltd
Win Business Park, 6PH

Section Inspection - 30/01/2018 - LINE AX

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
2	**1**	**30/01/18**	**8:54**	**1**			**LINE AX**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**2**

Town or Village:		Insp Dir:	**F21 << LINE A**	US MH:	**LINE A**
Road:	**New Union Street**	Inspected Length:	**13.18 m**	US Depth:	
Location:		Total Length:	**13.18 m**	DS MH:	**F21**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Foul**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**150 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Sample survey to determine asset condition**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:120	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
F21						
	0.00	MH	Start node type, manhole, reference number : F21			
	0.00	WL	Water level, 5% of the vertical dimension	00:00:04		
	7.58	JN	Junction, at 9 o'clock, diameter 150mm	00:01:06		
	8.68	JN	Junction, at 9 o'clock, diameter 150mm	00:01:17		
	11.20	JN	Junction, at 9 o'clock, diameter 150mm	00:01:32		
	11.42	LR	Line deviates right	00:01:36		
	12.30	LU	Line deviates up	00:01:40		
LINE A						
	13.18	REF	Finish node type, rodding eye reference number: LINE A	00:00:00		
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

BlockBusters Environmental Services NI Ltd
Win Business Park, 6PH

Section Inspection - 30/01/2018 - LINE BX

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
3	**1**	**30/01/18**	**8:58**	**1**			**LINE BX**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**3**

Town or Village:		Insp Dir:	**F21 << LINE B**	US MH:	**LINE B**
Road:	**New Union Street**	Inspected Length:	**11.64 m**	US Depth:	
Location:		Total Length:	**11.64 m**	DS MH:	**F21**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Foul**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**100 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Sample survey to determine asset condition**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:106	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
F21						
	0.00	MH	Start node type, manhole, reference number : F21			
	0.00	WL	Water level, 5% of the vertical dimension	00:00:03		
	9.23	LR	Line deviates right	00:01:07		
	9.44	JN	Junction, at 9 o'clock, diameter 100mm	00:01:09		
	11.09	LU	Line deviates up	00:01:22		
	11.64	REF	Finish node type, rodding eye reference number: LINE B: SVP	00:01:27		
LINE B						
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

BlockBusters Environmental Services NI Ltd
Win Business Park, 6PH

Section Inspection - 30/01/2018 - F21X

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
4	**1**	**30/01/18**	**9:02**	**1**			**F21X**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**4**

Town or Village:		Insp Dir:	**F21 >> F22**	US MH:	**F21**
Road:	**New Union Street**	Inspected Length:	**3.07 m**	US Depth:	
Location:		Total Length:	**3.07 m**	DS MH:	**F22**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Foul**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**150 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Sample survey to determine asset condition**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
F21						
	0.00	MH	Start node type, manhole, reference number : F21			
	0.00	WL	Water level, 5% of the vertical dimension	00:00:03		
	3.07	MHF	Finish node type, manhole reference number: F22	00:00:31		
F22						
Depth:						



Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Inspection - 30/01/2018 - LINE AX

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
5	**1**	**30/01/18**	**9:04**	**1**			**LINE AX**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**5**

Town or Village:		Insp Dir:	**F22 << LINE A**	US MH:	**LINE A**
Road:	**New Union Street**	Inspected Length:	**10.32 m**	US Depth:	
Location:		Total Length:	**10.32 m**	DS MH:	**F22**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Foul**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**150 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Sample survey to determine asset condition**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:



1:94 Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node type, manhole, reference number : F22			
0.00	WL	Water level, 5% of the vertical dimension	00:00:02		
9.01	JN	Junction, at 9 o'clock, diameter 150mm	00:01:02		
9.23	LR	Line deviates right	00:01:03		
9.70	LU	Line deviates up	00:01:08		
10.32	REF	Finish node type, rodding eye reference number: LINE A: SVP	00:01:08		

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Inspection - 30/01/2018 - LINE BX

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
6	**1**	**30/01/18**	**9:07**	**1**			**LINE BX**

Operator:	Vehicle:	Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat					**6**

Town or Village:		Insp Dir:	**F22 << LINE B**	US MH:	**LINE B**
Road:	**New Union Street**	Inspected Length:	**11.86 m**	US Depth:	
Location:		Total Length:	**11.86 m**	DS MH:	**F22**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Foul**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**100 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Sample survey to determine asset condition**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:108	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: **F22**						
	0.00	MH	Start node type, manhole, reference number : F22			
	0.00	WL	Water level, 5% of the vertical dimension	00:00:03		
	0.10	LR	Line deviates right	00:00:13		
	10.10	JN	Junction, at 3 o'clock, diameter 100mm	00:00:53		
	11.20	LU	Line deviates up	00:01:00		
	11.86	REF	Finish node type, rodding eye reference number: LINE B: SVP	00:01:04		
LINE B **Depth:**						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

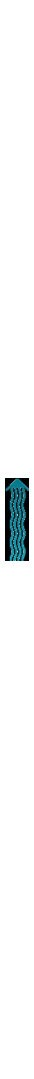
Section Inspection - 30/01/2018 - LINE CX

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
7	**1**	**30/01/18**	**9:12**	**1**			**LINE CX**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**7**

Town or Village:		Insp Dir:	**F22 << LINE C**	US MH:	**LINE C**
Road:	**New Union Street**	Inspected Length:	**12.08 m**	US Depth:	
Location:		Total Length:	**12.08 m**	DS MH:	**F22**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Foul**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**150 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Sample survey to determine asset condition**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:



1:110 Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node type, manhole, reference number : F22			
0.00	WL	Water level, 5% of the vertical dimension	00:00:02		
7.25	LL	Line deviates left: SLIGHT	00:00:55		
8.02	JN	Junction, at 9 o'clock, diameter 150mm	00:01:00		
8.68	LR	Line deviates right	00:01:06		
9.01	JN	Junction, at 9 o'clock, diameter 150mm	00:01:09		
9.66	LR	Line deviates right	00:01:13		
10.65	JN	Junction, at 3 o'clock, diameter 150mm	00:01:22		
11.53	LU	Line deviates up	00:01:26		
12.08	REF	Finish node type, rodding eye reference number: LINE C: SVP	00:00:00		

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Inspection - 30/01/2018 - LINE DX

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
8	**1**	**30/01/18**	**9:17**	**1**			**LINE DX**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**8**

Town or Village:		Insp Dir:	**F22 << LINE D**	US MH:	**LINE D**
Road:	**New Union Street**	Inspected Length:	**9.23 m**	US Depth:	
Location:		Total Length:	**9.23 m**	DS MH:	**F22**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Foul**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**100 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Sample survey to determine asset condition**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:



1:84 Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node type, manhole, reference number : F22			
0.00	WL	Water level, 5% of the vertical dimension	00:00:02		
7.25	LR	Line deviates right	00:00:45		
8.02	LR	Line deviates right	00:00:48		
8.46	LU	Line deviates up	00:00:50		
9.23	REF	Finish node type, rodding eye reference number: LINE D: SVP	00:00:00		

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

BlockBusters Environmental Services NI Ltd
Win Business Park, 6PH

Section Inspection - 30/01/2018 - F22X

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
9	**1**	**30/01/18**	**9:19**	**1**			**F22X**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**9**

Town or Village:		Insp Dir:	**F22 >> NODE 1**	US MH:	**F22**
Road:	**New Union Street**	Inspected Length:	**7.80 m**	US Depth:	
Location:		Total Length:	**7.80 m**	DS MH:	**NODE 1**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Foul**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**150 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Sample survey to determine asset condition**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:71	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
F22						
	0.00	MH	Start node type, manhole, reference number : F22			
	0.00	WL	Water level, 5% of the vertical dimension	00:00:02		
	7.36	LD	Line deviates down	00:00:45		
	7.80	OFF	Finish node type, outfall reference number: NODE 1: MAIN	00:00:00		
NODE 1						
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

BlockBusters Environmental Services NI Ltd
Win Business Park, 6PH

Section Inspection - 30/01/2018 - LINE AX

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
10	**1**	**30/01/18**	**10:16**	**1**			**LINE AX**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**10**

Town or Village:		Insp Dir:	**F13 << LINE A**	US MH:	**LINE A**
Road:	**New Union Street**	Inspected Length:	**8.35 m**	US Depth:	
Location:		Total Length:	**8.35 m**	DS MH:	**F13**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Foul**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**150 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Sample survey to determine asset condition**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:76	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: **F13**						
	0.00	MH	Start node type, manhole, reference number : F13			
	0.00	WL	Water level, 5% of the vertical dimension	00:00:02		
	1.75	LU	Line deviates up	00:00:21		
	8.35	REF	Finish node type, rodding eye reference number: LINE A: SVP	00:00:00		
LINE A **Depth:**						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

BlockBusters Environmental Services NI Ltd
Win Business Park, 6PH

Section Inspection - 30/01/2018 - F13X

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
11	**1**	**30/01/18**	**10:19**	**1**			**F13X**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**11**

Town or Village:		Insp Dir:	**F13 >> F8**	US MH:	**F13**
Road:	**New Union Street**	Inspected Length:	**12.96 m**	US Depth:	
Location:		Total Length:	**12.96 m**	DS MH:	**F8**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Foul**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**150 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Sample survey to determine asset condition**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:118	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
F13						
	0.00	MH	Start node type, manhole, reference number : F13			
	0.00	WL	Water level, 5% of the vertical dimension	00:00:02		
	12.96	MHF	Finish node type, manhole reference number: F8	00:01:12		
F8						
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

BlockBusters Environmental Services NI Ltd
Win Business Park, 6PH

Section Inspection - 30/01/2018 - LINE AX

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
12	**1**	**30/01/18**	**10:22**	**1**			**LINE AX**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**12**

Town or Village:		Insp Dir:	**F8 << LINE A**	US MH:	**LINE A**
Road:	**New Union Street**	Inspected Length:	**6.70 m**	US Depth:	
Location:		Total Length:	**6.70 m**	DS MH:	**F8**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Foul**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**100 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Sample survey to determine asset condition**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:61	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
F8						
	0.00	MH	Start node type, manhole, reference number : F8			
	0.00	WL	Water level, 5% of the vertical dimension	00:00:02		
	2.41	LR	Line deviates right	00:00:33		
	6.26	LU	Line deviates up	00:00:54		
	6.70	REF	Finish node type, rodding eye reference number: LINE A: SVP	00:00:57		
LINE A						
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

BlockBusters Environmental Services NI Ltd
Win Business Park, 6PH

Section Inspection - 30/01/2018 - LINE BX

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
13	**1**	**30/01/18**	**10:24**	**1**			**LINE BX**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**13**

Town or Village:		Insp Dir:	**F8 << LINE B**	US MH:	**LINE B**
Road:	**New Union Street**	Inspected Length:	**9.44 m**	US Depth:	
Location:		Total Length:	**9.44 m**	DS MH:	**F8**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Foul**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**150 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Sample survey to determine asset condition**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:86	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
F8						
	0.00	MH	Start node type, manhole, reference number : F8			
	0.00	WL	Water level, 5% of the vertical dimension	00:00:01		
	0.00	LL	Line deviates left	00:00:01		
	1.42	LR	Line deviates right	00:00:21		
	8.90	LU	Line deviates up	00:01:08		
	9.44	REF	Finish node type, rodding eye reference number: LINE B: SVP	00:00:00		
LINE B						
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Inspection - 30/01/2018 - F8X

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
14	**1**	**30/01/18**	**10:27**	**1**			**F8X**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**14**

Town or Village:		Insp Dir:	**F8 >> NODE 1**	US MH:	**F8**
Road:	**New Union Street**	Inspected Length:	**12.63 m**	US Depth:	
Location:		Total Length:	**12.63 m**	DS MH:	**NODE 1**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Foul**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**150 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Sample survey to determine asset condition**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:115	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
F8						
	0.00	MH	Start node type, manhole, reference number : F8			
	0.00	WL	Water level, 5% of the vertical dimension	00:00:02		
	11.75	LD	Line deviates down	00:00:54		
	12.63	OFF	Finish node type, outfall reference number: NODE 1: MAIN	00:00:00		
NODE 1						
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

BlockBusters Environmental Services NI Ltd
Win Business Park, 6PH

Section Inspection - 30/01/2018 - F25X

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
15	**1**	**30/01/18**	**11:32**	**1**			**F25X**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**15**

Town or Village:		Insp Dir:	**F26 << F25**	US MH:	**F25**
Road:	**New Union Street**	Inspected Length:	**9.55 m**	US Depth:	
Location:		Total Length:	**9.55 m**	DS MH:	**F26**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Foul**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**150 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Sample survey to determine asset condition**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:87	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
F26						
	0.00	MH	Start node type, manhole, reference number : F26			
	0.00	WL	Water level, 5% of the vertical dimension	00:00:05		
	1.09	DES	Settled deposits, fine, 5% cross-sectional area loss: PAPER	00:00:15		1
	9.34	LR	Line deviates right	00:01:46		
	9.55	MHF	Finish node type, manhole reference number: F25	00:00:00		
F25						
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	1	0.0	0.0	0.0	1.0

BlockBusters Environmental Services NI Ltd
Win Business Park, 6PH

Section Inspection - 30/01/2018 - F27X

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
16	**1**	**30/01/18**	**11:35**	**1**			**F27X**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**16**

Town or Village:		Insp Dir:	**F25 << F27**	US MH:	**F27**
Road:	**New Union Street**	Inspected Length:	**3.84 m**	US Depth:	
Location:		Total Length:	**3.84 m**	DS MH:	**F25**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Foul**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**100 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Sample survey to determine asset condition**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
F25						
	0.00	MH	Start node type, manhole, reference number : F25			
	0.00	WL	Water level, 5% of the vertical dimension	00:00:04		
	0.00	LR	Line deviates right	00:00:04		
	2.63	WL	Water level, 15% of the vertical dimension	00:00:30		
	3.84	MHF	Finish node type, manhole reference number: F27	00:00:00		
F27						
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

BlockBusters Environmental Services NI Ltd
Win Business Park, 6PH

Section Inspection - 30/01/2018 - F26X

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
17	**1**	**30/01/18**	**11:37**	**1**			**F26X**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**17**

Town or Village:		Insp Dir:	**F26 >> CO1**	US MH:	**F26**
Road:	**New Union Street**	Inspected Length:	**14.94 m**	US Depth:	
Location:		Total Length:	**14.94 m**	DS MH:	**CO1**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Foul**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**225 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Sample survey to determine asset condition**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:136	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
F26						
	0.00	MH	Start node type, manhole, reference number : F26			
	0.00	WL	Water level, 10% of the vertical dimension	00:00:08		
	6.15	B	Broken pipe, from 8 to 12 o'clock: EXTERNAL REPAIR	00:00:49	17_1_3_3 0012018_ 114005_A	
	13.84	LL	Line deviates left	00:01:49		
	14.94	MHF	Finish node type, manhole reference number: CO1	00:00:00		
CO1						
Depth:						

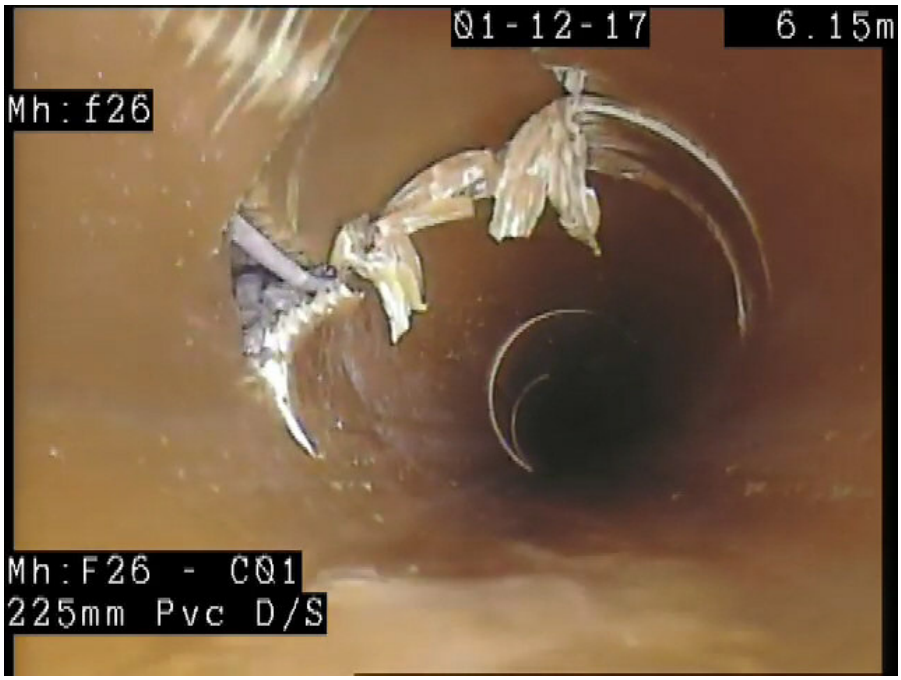
Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Pictures - 30/01/2018 - F26X

Section Number:	Inspection Direction:	PLR:	Client's Ref:	Contractor's Ref:
17	**F26 >> CO1**	**F26X**	**1**	



_04b9e9fa-0546-47c3-9884-4f156f0923be.jpg, 00:00:49, 6.15m
Broken pipe, from 8 to 12 o'clock

Section Inspection - 30/01/2018 - LINE AX

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
18	**1**	**30/01/18**	**12:56**	**1**			**LINE AX**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**18**

Town or Village:		Insp Dir:	**F9 << LINE A**	US MH:	**LINE A**
Road:	**New Union Street**	Inspected Length:	**0.11 m**	US Depth:	
Location:		Total Length:	**0.11 m**	DS MH:	**F9**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Foul**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**150 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Sample survey to determine asset condition**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
F9						
	0.00	MH	Start node type, manhole, reference number : F9			
	0.00	WL	Water level, 5% of the vertical dimension	00:00:03		
LINE A	0.10	LU	Line deviates up	00:00:03		
	0.11	REF	Finish node type, rodding eye reference number: LINE A	00:00:00		
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Inspection - 30/01/2018 - LINE BX

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
19	**1**	**30/01/18**	**12:58**	**1**			**LINE BX**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**19**

Town or Village:		Insp Dir:	**F9 << LINE B**	US MH:	**LINE B**
Road:	**New Union Street**	Inspected Length:	**0.10 m**	US Depth:	
Location:		Total Length:	**0.10 m**	DS MH:	**F9**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Foul**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**150 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Sample survey to determine asset condition**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
F9						
	0.00	MH	Start node type, manhole, reference number : F9			
	0.00	LU	Line deviates up	00:00:00		
	0.00	WL	Water level, 0% of the vertical dimension	00:00:02		
LINE B	0.10	REF	Finish node type, rodding eye reference number: LINE B	00:00:00		
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

BlockBusters Environmental Services NI Ltd
Win Business Park, 6PH

Section Inspection - 30/01/2018 - F9X

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
20	**1**	**30/01/18**	**13:00**	**1**			**F9X**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**20**

Town or Village:		Insp Dir:	**F9 >> F10**	US MH:	**F9**
Road:	**New Union Street**	Inspected Length:	**13.26 m**	US Depth:	
Location:		Total Length:	**13.26 m**	DS MH:	**F10**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Foul**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**150 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Sample survey to determine asset condition**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:120	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
F9						
	0.00	MH	Start node type, manhole, reference number : F9			
	0.00	WL	Water level, 5% of the vertical dimension	00:00:04		
	2.00	WL	Water level, 10% of the vertical dimension	00:00:35		
	13.26	MHF	Finish node type, manhole reference number: F10	00:00:00		
F10						
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Inspection - 30/01/2018 - F10X

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
21	**1**	**30/01/18**	**13:03**	**1**			**F10X**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**21**

Town or Village:		Insp Dir:	**F10 >> F20**	US MH:	**F10**
Road:	**New Union Street**	Inspected Length:	**20.13 m**	US Depth:	
Location:		Total Length:	**22.00 m**	DS MH:	**F20**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Foul**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**150 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Sample survey to determine asset condition**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:200	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
F10						
	0.00	MH	Start node type, manhole, reference number : F10			
	0.00	WL	Water level, 15% of the vertical dimension	00:00:03		
	2.40	WL	Water level, 25% of the vertical dimension	00:00:24		
	2.40	CUW	Loss of vision, camera under water	00:00:33		
	20.13	SA	Survey abandoned: CAMERA UNDERWATER	00:00:00		
	22.00		End of pipe			
F20						
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

BlockBusters Environmental Services NI Ltd
Win Business Park, 6PH

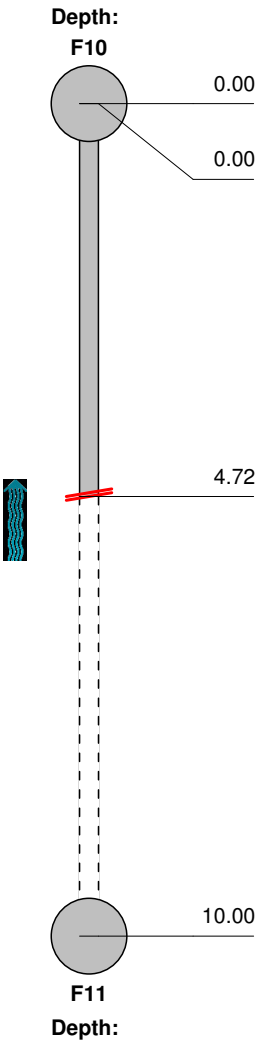
Section Inspection - 30/01/2018 - F11X

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
22	**1**	**30/01/18**	**13:06**	**1**			**F11X**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**22**

Town or Village:		Insp Dir:	**F10 << F11**	US MH:	**F11**
Road:	**New Union Street**	Inspected Length:	**4.72 m**	US Depth:	
Location:		Total Length:	**10.00 m**	DS MH:	**F10**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Foul**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**150 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Sample survey to determine asset condition**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:



1:91 Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node type, manhole, reference number : F10			
0.00	WL	Water level, 10% of the vertical dimension	00:00:07		
4.72	SA	Survey abandoned: LOSS OF VISION	00:00:00		
10.00		End of pipe			

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Inspection - 30/01/2018 - LINE AX

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
23	**1**	**30/01/18**	**13:12**	**1**			**LINE AX**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**23**

Town or Village:		Insp Dir:	**F10 << LINE A**	US MH:	**LINE A**
Road:	**New Union Street**	Inspected Length:	**0.98 m**	US Depth:	
Location:		Total Length:	**0.98 m**	DS MH:	**F10**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Foul**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**150 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Sample survey to determine asset condition**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
F10						
	0.00	MH	Start node type, manhole, reference number : F10			
	0.00	WL	Water level, 5% of the vertical dimension	00:00:04		
	0.10	LU	Line deviates up	00:00:18		
LINE A	0.98	REF	Finish node type, rodding eye reference number: LINE A	00:00:00		
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

BlockBusters Environmental Services NI Ltd
Win Business Park, 6PH

Section Inspection - 30/01/2018 - F4X

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
24	**1**	**30/01/18**	**14:20**	**1**			**F4X**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**24**

Town or Village:		Insp Dir:	**F7 << F4**	US MH:	**F4**
Road:	**New Union Street**	Inspected Length:	**29.90 m**	US Depth:	
Location:		Total Length:	**29.90 m**	DS MH:	**F7**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Foul**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**150 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Sample survey to determine asset condition**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:271	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
F7						
	0.00	MH	Start node type, manhole, reference number : F7			
	0.00	WL	Water level, 5% of the vertical dimension	00:00:06		
	16.00	JN	Junction, at 2 o'clock, diameter 100mm	00:01:50		
	23.80	JN	Junction, at 1 o'clock, diameter 100mm	00:02:39		
	29.90	MHF	Finish node type, manhole reference number: F4	00:00:00		
F4						
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

BlockBusters Environmental Services NI Ltd
Win Business Park, 6PH

Section Inspection - 30/01/2018 - F1X

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
25	**1**	**30/01/18**	**14:25**	**1**			**F1X**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**25**

Town or Village:		Insp Dir:	**F4 << F1**	US MH:	**F1**
Road:	**New Union Street**	Inspected Length:	**11.20 m**	US Depth:	
Location:		Total Length:	**11.20 m**	DS MH:	**F4**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Foul**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**150 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Sample survey to determine asset condition**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:102	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
F4						
	0.00	MH	Start node type, manhole, reference number : F4			
	0.00	WL	Water level, 5% of the vertical dimension	00:00:05		
	5.70	JN	Junction, at 3 o'clock, diameter 100mm	00:00:47		
	11.20	MHF	Finish node type, manhole reference number: F1	00:01:40		
F1						
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

BlockBusters Environmental Services NI Ltd
Win Business Park, 6PH

Section Inspection - 30/01/2018 - F6X

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
26	**1**	**30/01/18**	**14:28**	**1**			**F6X**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**26**

Town or Village:		Insp Dir:	**F7 << F6**	US MH:	**F6**
Road:	**New Union Street**	Inspected Length:	**6.30 m**	US Depth:	
Location:		Total Length:	**6.30 m**	DS MH:	**F7**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Foul**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**150 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Sample survey to determine asset condition**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:58	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
F7						
	0.00	MH	Start node type, manhole, reference number : F7			
	0.00	WL	Water level, 5% of the vertical dimension	00:00:04		
	1.20	WL	Water level, 10% of the vertical dimension	00:00:16		
	1.80	WL	Water level, 5% of the vertical dimension	00:00:20		
	6.30	MHF	Finish node type, manhole reference number: F6	00:00:55		
F6						
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

BlockBusters Environmental Services NI Ltd
Win Business Park, 6PH

Section Inspection - 30/01/2018 - F7X

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
27	**1**	**30/01/18**	**14:30**	**1**			**F7X**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**27**

Town or Village:		Insp Dir:	**F7 >> F9**	US MH:	**F7**
Road:	**New Union Street**	Inspected Length:	**12.00 m**	US Depth:	
Location:		Total Length:	**12.00 m**	DS MH:	**F9**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Foul**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**150 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Sample survey to determine asset condition**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:109	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
F7	0.00	MH	Start node type, manhole, reference number : F7			
	0.00	WL	Water level, 5% of the vertical dimension	00:00:04		
	10.90	JN	Junction, at 3 o'clock, diameter 150mm	00:01:11		
	10.90	WL	Water level, 10% of the vertical dimension	00:01:11		
F9	12.00	MHF	Finish node type, manhole reference number: F9	00:01:29		
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

BlockBusters Environmental Services NI Ltd
Win Business Park, 6PH

Section Inspection - 30/01/2018 - F9X

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
28	**1**	**30/01/18**	**14:33**	**1**			**F9X**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**28**

Town or Village:		Insp Dir:	**F9 >> F10**	US MH:	**F9**
Road:	**New Union Street**	Inspected Length:	**14.50 m**	US Depth:	
Location:		Total Length:	**14.50 m**	DS MH:	**F10**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Foul**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**150 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Sample survey to determine asset condition**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:132	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
F9						
	0.00	MH	Start node type, manhole, reference number : F9			
	0.00	WL	Water level, 5% of the vertical dimension	00:00:06		
	3.30	WL	Water level, 10% of the vertical dimension	00:00:31		
	7.60	WL	Water level, 5% of the vertical dimension	00:00:55		
	10.20	WL	Water level, 10% of the vertical dimension	00:01:14		
	11.10	WL	Water level, 15% of the vertical dimension	00:01:19		
	13.20	WL	Water level, 20% of the vertical dimension	00:01:34		
	14.50	MHF	Finish node type, manhole reference number: F10	00:01:51		
F10						
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

BlockBusters Environmental Services NI Ltd
Win Business Park, 6PH

Section Inspection - 30/01/2018 - F14X

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
29	**1**	**30/01/18**	**14:37**	**1**			**F14X**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**29**

Town or Village:		Insp Dir:	**F20 << F14**	US MH:	**F14**
Road:	**New Union Street**	Inspected Length:	**31.90 m**	US Depth:	
Location:		Total Length:	**40.00 m**	DS MH:	**F20**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Foul**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**225 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Sample survey to determine asset condition**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:362	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
F20						
	0.00	MH	Start node type, manhole, reference number : F20			
	0.00	WL	Water level, 0% of the vertical dimension	00:00:07		
	1.70	SC	Dimension changes, 150mm high	00:00:18		
	15.80	JN	Junction, at 10 o'clock, diameter 150mm	00:01:33		
	31.10	JN	Junction, at 9 o'clock, diameter 150mm	00:03:00		
	31.90	SA	Survey abandoned: UNABLE TO PASS JUNCTION	00:00:00		
	40.00		End of pipe			
F14						
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

BlockBusters Environmental Services NI Ltd
Win Business Park, 6PH

Section Inspection - 30/01/2018 - F20X

Section:	Inspection:	Date:	Time:	Client's Ref:	Weather:	Pre Cleaned:	PLR:
30	**1**	**30/01/18**	**14:44**	**1**			**F20X**
Operator:		Vehicle:		Camera:	Preset Length:	Criticality Grade:	Alternative ID:
Pat							**30**

Town or Village:		Insp Dir:	**F20 >> F26**	US MH:	**F20**
Road:	**New Union Street**	Inspected Length:	**42.70 m**	US Depth:	
Location:		Total Length:	**42.70 m**	DS MH:	**F26**
Surface Cover:		Pipe Length:	**0.00 m**	DS Depth:	

Use:	**Foul**	Pipe Shape:	**Circular**
Type of Pipe:		Height / Width:	**225 mm**
Year Constructed:		Pipe Material:	**Polyvinyl chloride**
Inspection Purpose:	**Sample survey to determine asset condition**	Lining Type:	**None**
Flow Control:		Lining Material:	**None**

Comment:
Recommendation:

1:387	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth:						
F20						
	0.00	MH	Start node type, manhole, reference number : F20			
	0.00	WL	Water level, 5% of the vertical dimension	00:00:06		
	42.70	JN	Junction, at 6 o'clock, diameter 225mm: BACKDROP	00:04:26		
F26	42.70	MHF	Finish node type, manhole reference number: F26	00:04:26		
Depth:						

Structural Defects	Constructional Features
Service and Maintenance Defects	Miscellaneous Features

Note: In line with the WRc SRM, plastic pipes are not scored against structural defects.

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	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Appendix C As Built Drawings

LEGEND

- FOUL WATER CONNECTION
- FOUL GULLY (FG)
- FOUL WATER SEWER
- FOUL WATER MANHOLE
- FOUL WATER INSPECTION CHAMBER (PPIC)
- SURFACE WATER CONNECTION
- SURFACE WATER SEWER
- SURFACE WATER MANHOLE/ CATCHPIT
- SURFACE WATER INSPECTION CHAMBER
- SURFACE WATER RODDING EYE (RE)
- SURFACE WATER ATTENUATION
- LIGHT LIQUID SEPERATOR
- GULLY (G)
- YARD GULLY (YG)
- MANHOLE WITH TRAP (WAVIN 'WINSOR' INTERCEPTOR OR SIMILAR)
- SURFACE WATER DRAINAGE CHANNEL
- CONCRETE DISHED CHANNEL
- PROPOSED COMBINED SEWER
- PROPOSED COMBINED MANHOLE
- EXISTING COMBINED SEWER
- EXISTING COMBINED MANHOLE
- LAND DRAIN

ROCHDALE CANAL

EXG MH
CL 48.34
IL44.89 TBC
SECTION 106
AGREEMENT REQUIRED

BD IL 46.55

LAND DRAIN LOCATED AT BASE OF RETAINING WALL TO DRAIN TO MANHOLE

S23
ORIFICE PLATE FLOW CONTROL
HEAD 0.85m
DIAMETER 219mm
CL 49.97
IL 46.90

S24
MANHOLE TO HAVE TRAP INSTALLED IN MANHOLE, WAVIN INTERCEPTOR OR SIMILAR

CLASS 1 BYPASS SEPERATOR WITH ALARM SPEL 208 C1/SC OR SIMILAR

C01
CL 49.22
IL 46.72

S6
CL 49.05
IL 47.53

S5
CL 49.05
IL 47.75

2 x 0.6 x 1m GRAVEL FILLED SOAKAWAY.
IL 49.50

IL 50.50

S2
CL 50.18
IL 48.51

ATTENUATION
VOLUME = 155m³
0.8m DEEP
IL 46.95

S24
CL 49.89
IL 46.84

S7
CL 49.82
IL 47.20

S21
CL 49.60
IL 48.30

F26
CL49.60
IL 46.90

BD IL 47.35

BD IL 48.10

F25
CL49.60
IL 48.35

F27
CL49.65
IL 48.90

S31
CL 49.60
IL 48.25

IL 49.70

F6
CL 50.07
IL 48.80

BD

RE IL 49.20

IL 49.70

F7
CL 50.17
IL 48.20

FFL
50.250

F24
CL 50.10
IL 49.30

S12
CL 50.03
IL 47.91

S1
CL 50.16
IL 48.81

F9
CL 50.18
IL 48.10

S8
CL 50.09
IL 47.04

BD IL48.01

S4
CL 50.17
IL 48.31

S22
CL 50.12
IL 47.41

FFL
49.650

LAND DRAIN LOCATED ON TOE OF RETAINING WALL

S32
CL 49.44
IL 49.00

F5
CL 50.10
IL 49.30

S20
CL 50.10
IL 47.46

F10
CL 50.15
IL 48.00

F20
CL50.07
IL 47.86

S19
CL 49.98
IL 47.49

F21
CL50.10
IL 49.10

F22
CL50.10
IL 49.00

F4A
CL 50.10
IL 48.50

F4
CL 50.10
IL 48.46

F3
CL 50.20
IL 48.60

S11
CL 50.15
IL 48.11

S25
CL 50.19
IL 47.77

BD IL 48.80

BD IL 48.44

F19
CL50.10
IL 49.00

IL 49.00

S27
CL 49.44
IL 48.70

FFL
49.450

F2
CL 50.20
IL 48.60

YG TO LANDING

YG TO BASE OF STEPS

300 Ø ACCESS

F8
CL 50.25
IL 49.30

F13
CL 50.25
IL 49.50

S26
CL 50.12
IL 49.37

F23
CL 50.25
IL 49.50

S3
CL 50.03
IL 48.68

S18
CL 49.96
IL 47.55

FFL
50.250

F18
CL50.10
IL 49.10

S28
CL 49.35
IL 48.59

F12
CL 50.10
IL 49.35

F16
CL50.15
IL 49.10

300 Ø ACCESS

S29
CL 49.33
IL 48.48

FFL
50.250

S17
CL 50.16
IL 48.25

F1
CL 50.10
IL 48.75

S13
CL 50.10
IL 48.32

F11
CL 50.10
IL 49.26

F15
CL50.15
IL 48.60

3.660

FFL
49.450

F17
CL 50.10
IL 49.35

300 Ø ACCESS

BD

F14
CL 50.21
IL 48.60
IL 49.165

IL 48.85

S30
CL 49.40
IL 48.50

S16
CL 49.50
IL 48.42

IL 48.60

300 Ø ACCESS

FFL
49.450

S15
CL 49.37
IL 48.60

RE IL 48.82

CHANNEL WITH OFFSET SUMP LOCATION AS SHOWN. A COMBINATION OF LEVEL INVERT AND SLOPING INVERT CHANNELS TO BE USED TO ACHIEVE SUMP LOCATION.

AS BUILT DRAWING:
THIS DRAWING IS THE FINAL CONSTRUCTION ISSUE AND DOES NOT PURPORT TO BE A SURVEY RECORD OF THE WORKS AS CONSTRUCTED.

FOUL WATER MANHOLE SCHEDULE

MANHOLE REFERENCE	COVER LEVEL	INVERT LEVEL	TYPE	CHAMBER DIA (min)	COVER GRADE (min)	EASTING	EASTING
F1	50.10	48.75	PPIC	450	B125(R)	385173.07E	398576.46N
F2	50.10	48.60	PPIC	450	B125(R)	385159.81E	398587.60N
F3	50.20	48.60	PPIC	450	B125(R)	385162.13E	398591.36N
F4	50.10	48.46	PPIC	450	B125(R)	385168.64E	398594.46N
F5	50.10	49.30	PPIC	450	B125(R)	385171.00E	398598.53N
F6	50.07	48.80	PPIC	450	D400	385185.18E	398617.04N
F7	50.17	48.20	2	1200	D400	385188.70E	398611.91N
F8	50.25	49.30	PPIC	450	B125(R)	385195.00E	398596.71N
F9	50.18	48.10	2	1200	D400	385202.11E	398607.78N
F10	50.15	48.00	2	1200	D400	385213.67E	398599.82N
F11	50.10	49.26	PPIC	450	B125(R)	385194.63E	398572.49N
F12	50.10	49.35	PPIC	450	B125(R)	385195.89E	398575.31N
F13	50.25	49.50	PPIC	450	B125(R)	385204.19E	398590.31N
F14	50.21	48.60	PPIC	450	B125(R)	385206.99E	398564.36N
F15	50.15	48.60	PPIC	450	B125(R)	385210.38E	398569.36N
F16	50.15	49.10	PPIC	450	B125(R)	385217.88E	398580.45N
F17	50.10	49.35	PPIC	450	B125(R)	385192.08E	398569.02N
F18	50.10	49.10	PPIC	450	B125	385223.58E	398588.02N
F19	50.10	49.00	PPIC	450	B125	385227.61E	398594.01N
F20	50.07	47.86	2	1200	D400	385222.79E	398598.04N
F21	50.10	49.10	PPIC	450	B125	385231.93E	398600.16N
F22	50.10	49.00	PPIC	450	B125	385235.51E	398605.13N
F23	50.25	49.50	PPIC	300	B125 (R)	385200.40E	398582.15N
F24	50.10	49.30	PPIC	450	B125 (R)	385177.51E	398603.41N
F25	49.60	48.35	PPIC	450	D400	385258.72E	398626.70N
F26	49.60	46.90	2	1200	D400	385249.44E	398634:27N
F27	49.65	48.90	PPIC	450	D400	385257.35E	398623.79N
C01	49.22	46.72	2	1350	D400	385254.741E	398648.132N

R - DENOTES COVER TO BE RECESSED TO ACCOMMODATE BLOCK PAVING

SURFACE WATER MANHOLE SCHEDULE

MANHOLE REFERENCE	COVER LEVEL	INVERT LEVEL	TYPE	CHAMBER DIA (min)	COVER GRADE (min)	EASTING	EASTING
S1	50.16	48.81	CP	1050	D400	385189.64E	398608.90N
S2	50.18	48.51	CP	1050	D400	385202.38E	398627.46N
S3	50.03	48.68	PPIC	450	D400	385209.46E	398586.49N
S4	50.17	48.31	CP	1050	D400	385225.95E	398610.33N
S5	49.05	47.75	CP	1050	D400	385276.71E	398641.05N
S6	49.05	47.53	CP	1050	D400	385263.99E	398648.15N
S7	49.82	47.20	CP	1050	D400	385240.64E	398629.03N
S8	50.09	47.04	CP	1050	D400	385230.86E	398617.38N
S11	50.15	48.11	PPIC	450	B125(R)	385178.17E	398600.78N
S12	50.03	47.91	2	1200	D400	385185.18E	398605.87N
S13	50.10	48.32	PPIC	450	B125 (R)	385197.04E	398574.17N
~~S14~~	~~50.22~~	~~49.47~~	~~PPIC~~	~~450~~	B125(R)	~~385198.38E~~	~~398594.63N~~
S15	49.37	48.60	PPIC	450	B125(R)	385215.79E	398547.96N
S16	49.50	48.42	PPIC	450	B125(R)	385201.28E	398556.96N
S17	50.16	48.25	PPIC	450	B125(R)	385211.18E	398574.78N
S18	49.96	47.55	2	1200	D400	385220.84E	398587.32N
S19	49.98	47.49	2	1200	D400	385226.29E	398596.87N
S20	50.10	47.46	2	1200	D400	385224.93E	398603.33N
S21	49.60	48.30	PPIC	450	D400	385250.78E	398628.19N
S22	50.12	47.41	2	1200	D400	385229.40E	398611.82N
S23	49.97	46.90	FLOW CONTROL	1350	D400	385227.69E	398627.48N
S24	49.89	46.84	1 WITH TRAP	1200	D400	385237.81E	398628.48N
S25	50.19	47.77	2	1200	D400	385202.40E	398596.92N
S26	50.12	49.37	PPIC	450	B125	385165.81E	398586.19N
S27	49.44	48.70	PPIC	450	B125(R)	385132.96E	398592.69N
S28	49.35	48.59	PPIC	450	B125(R)	385139.66E	398584.34N
S29	49.33	48.48	PPIC	450	B125(R)	385150.11E	398578.90N
S30	49.40	48.50	PPIC	450	B125(R)	385186.34E	398560.26N
S31	49.60	48.25	PPIC	450	D400	385268.32E	398618.10N

R - DENOTES COVER TO BE RECESSED TO ACCOMMODATE BLOCK PAVING

NOTES:

1. THIS DRAWING IS NOT TO BE SCALED.
2. THE CONTRACTOR SHALL ALLOW FOR THE PROTECTION, TEMPORARY AND PERMANENT SUPPORT AND DIVERSION WORKS AS NECESSARY, TO ALL EXISTING SERVICES TO THE SATISFACTION OF THE PUBLIC UTILITIES.
3. THE CONTRACTOR SHALL ALLOW FOR DEALING WITH SURFACE WATER RUN-OFF INTO EXCAVATION AND FROM GROUNDWATER BY MEANS OF SUMPS, PUMPING AND DE-WATERING AS APPROPRIATE, IN ORDER TO KEEP THE EXCAVATION AS REASONABLY DRY AS POSSIBLE DURING THE CONSTRUCTION OF THE WORKS.
4. ALL EXTERNAL DRAINAGE WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH 'CIVIL ENGINEERING SPECIFICATION FOR THE WATER INDUSTRY' 7th EDITION FOR ADOPTABLE DRAINAGE.
5. PIPE MATERIAL SHALL BE AS FOLLOWS:
   100Ø TO 225Ø - CLAYWARE TO BS EN 295
   300Ø AND ABOVE - CONCRETE TO BS EN 1916.

   N.B PVCu PIPES TO BE EN 1401-1:1998 MAY BE USED SUBJECT TO THE APPROVAL OF THE ENGINEER. PIPES OF LESS THAN 400MM DIAMETER TO HAVE A RESISTANCE OF 270 BAR.
6. ALL FOUL PIPES ARE TO BE 100Ø UNLESS STATED OTHERWISE OR TO SUIT ABOVE GROUND PIPEWORK. SURFACE WATER PIPE DIAMETERS ARE AS INDICATED. PIPE GRADIENTS UNLESS SHOWN ARE:
   FOUL:
   MINIMUM GRADIENT WITHOUT W.C. TO BE 1:40,
   MINIMUM GRADIENT WITH W.C. TO BE 1:80,
   SURFACE WATER:
   MINIMUM GRADIENT 1:80.
7. CLAY AND CONCRETE PIPES SHALL BE BEDDED ON CLASS S BEDDING UNLESS COVER IS LESS THAN 1.2m IN TRAFFICKED AREAS, THEN CLASS Z BEDDING.
8. UPVC PIPES SHALL BE BEDDED ON CLASS P BEDDING UNLESS COVER IS LESS THAN 1.2m IN TRAFFICKED AREAS, THEN CLASS Q BEDDING.
9. BACKFILL TO TRENCHES MAY BE SUITABLE EXCAVATED MATERIAL IN LANDSCAPED AREAS. TYPE 1 GRANULAR MATERIAL TO BE USED UNDER HARDSTANDINGS AND ROADS.
10. ALL LIGHT LIQUID SEPARATORS SHALL BE VENTILATED BY VENTILATION PIPEWORK TO MANUFACTURER'S RECOMMENDATIONS AND FITTED WITH AN ALARM TO PPG3 REQUIREMENTS.
11. VENTILATION SHALL BE PROVIDED AT THE HEAD OF FOUL DRAINAGE RUNS.
12. ACCESS FOR RODDING/ JETTING SHALL BE PROVIDED TO ALL SOIL AND RAINWATER DOWNPIPES ABOVE FINISHED FLOOR LEVEL.
13. ROAD GULLY CONNECTIONS SHALL BE 150mm DIAMETER AND WITH CLASS Z BEDDING.
14. ROAD GULLIES SHALL BE TRAPPED 450mm DIAMETER x 900mm DEEP WITH CLASS D400 FRAME AND GRATING TO BS EN 124.
15. DESIGN OF THE DRAINAGE CHANNELS IS INDICATIVE ONLY. DETAILED DESIGN SHALL BE UNDERTAKEN BY THE CONTRACTOR'S PREFERRED CHANNEL MANUFACTURER/ SUPPLIER.

AB	01.05.18	AS BUILT ISSUE	AB	JH
C14	12.07.17	ARCHITECT LAYOUT REVISED	AB	JH
C13	01.06.17	RWP ACCESS ADDED TO POST ROOMS	AB	JH
C12	03.03.17	CHANNELS/ GULLY LOCATIONS UPDATED TO LATEST LAYOUT. S24 RELOCATED, TRAP ADDED	JH	JH
C11	27.10.16	RWP LOCATIONS AMENDED	AB	JH
C10	06.06.16	MANHOLE C01 COORDINATES AMENDED	GW	JH
C9	16.05.16	LAND DRAINS TO RETAINING WALL ADDED	GW	JH
C8	21.03.16	BLOCK B POP UPS AMENDED	GW	JH
C7	09.03.16	DIAMETER AMENDED TO LAST 3 PIPES	GW	JH
C6	25.02.16	SETTING OUT PROVIDED FOR BIN STORE GULLIES	GW	JH
C5	03.02.16	F1,F14,F15 REVISED. F20 BACKDROP REMOVED. LIFT GULLIES REMOVED. CRITICAL POP UP INVERTS ADDED	GW	JH
C4	18.01.16	NOTES 22 / 23 ADDED /AMENDED TO ALLOW FOR BUILDING CONTROL COMMENTS	GW	JH
C3	12.01.16	S25, F8, F131, F23 RELOCATED, S14 DELETED, F27 ADDED. LAND DRAINS ADDED	GW	JH
C2	21.12.15	SETTING OUT COORDINATES ADDED	JH	JB
C1	11.12.15	UPDATED TO AMEON 'POP UP ' DWG REV C2. ISSUED FOR CONSTRUCTION	JH	JB
P4	22.11.15	REVISED IN ACCORDANCE WITH UPDATED LAYOUT. NOTE 19 ADDED.	JH	JB
P3	27.10.15	REVISED TO TAKE ACCOUNT OF UPDATED RWP AND FOUL CONNECTIONS AND PROPOSED SITE LEVELS	JH	JB
P2	01.10.15	DISCHARGE LOCATIONS AMENDED	GH	JH
P1	18.09.15	ISSUED FOR DISCHARGE OF PLANNING CONDITON	GH	JH
Rev	Date	Description	By	Ckd

Architect :

J M ARCHITECTS

Hydrock

Hydrock Consultants Ltd
Blythe Valley Innovation Centre
Central Boulevard
Solihull
B90 8AJ
T +44 (0)121 5069040
birmingham@hydrock.com
www.hydrock.com

Client :

MANCHESTER LIFE DEVELOPMENT COMPANY LTD

Project Title:

SILK GLASS

Silk Drawing No:

HYD-CIV-ALL-GA-0001

Drawing Title:

PROPOSED DRAINAGE LAYOUT

Drawing Status:

AS BUILT

Hydrock Job No:

C151619

Drawn	Checked	Scale @ A1	Date	Issue Date
GJH	JH	1:250	03.03.17	03.03.17

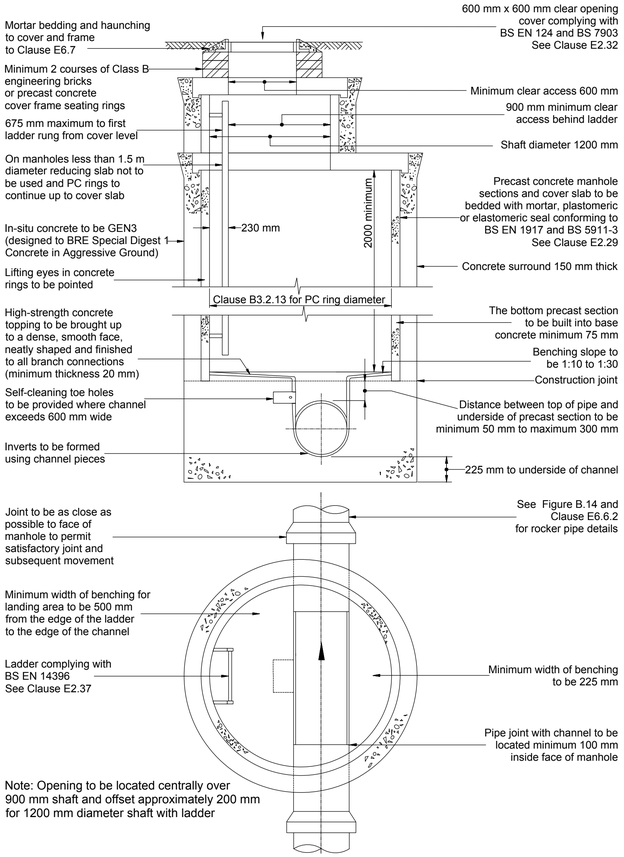
Drawing Number:

C151619-HYD-XX-XX-DR-C-0001

Revision:

AB

This drawing and design is the copyright of Hydrock Consultants Ltd and may not be reproduced or amended except by written permission.

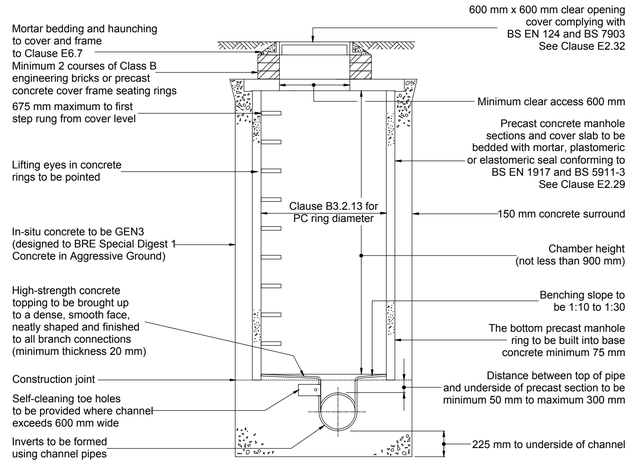


Note: Opening to be located centrally over 900 mm shaft and offset approximately 200 mm for 1200 mm diameter shaft with ladder

TYPICAL MANHOLE DETAIL - TYPE 1

Depth from cover level to soffit of pipe 3 m to 6 m

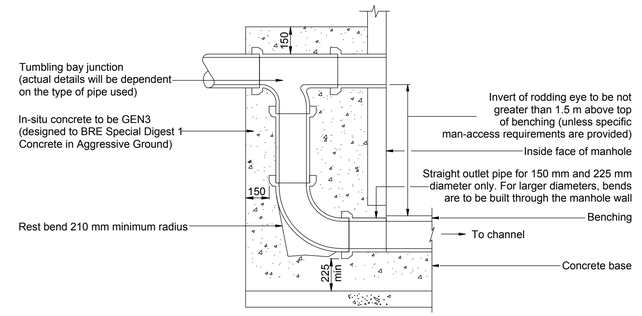
NTS



TYPICAL MANHOLE DETAIL - TYPE 2

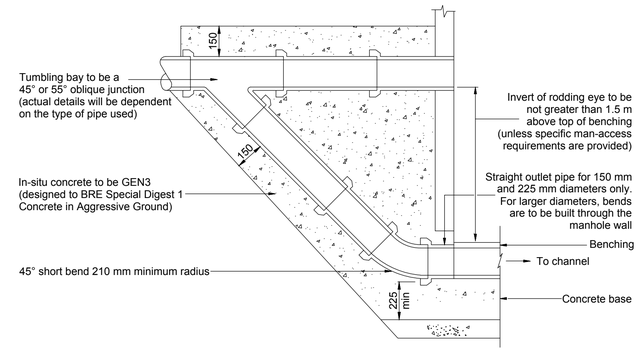
Maximum depth from cover level to soffit of pipe 3.0 m

NTS



TYPICAL VERTICAL BACKDROP DETAIL

NTS



TYPICAL RAMPED BACKDROP DETAIL

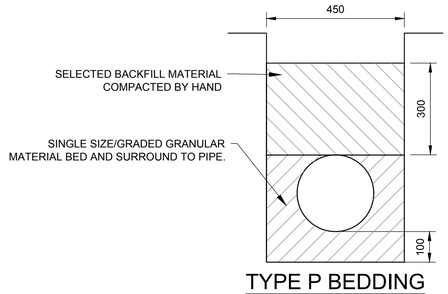
NTS

AS BUILT DRAWING:
THIS DRAWING IS THE FINAL CONSTRUCTION ISSUE AND DOES NOT PURPORT TO BE A SURVEY RECORD OF THE WORKS AS CONSTRUCTED.

TYPICAL MANHOLE DETAIL - TYPE 1

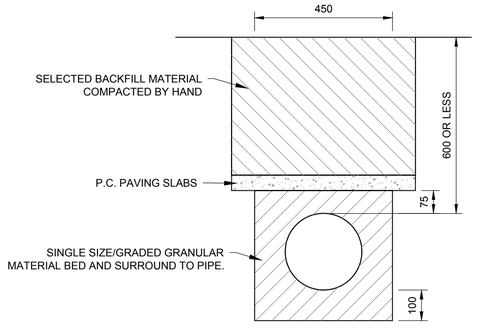
Depth from cover level to soffit of pipe 3 m to 6 m

NTS



TYPE P BEDDING

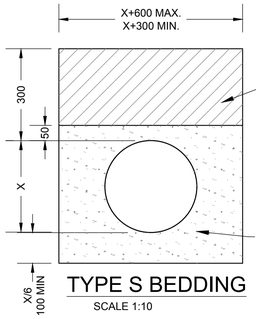
SCALE 1:10



TYPE Q BEDDING

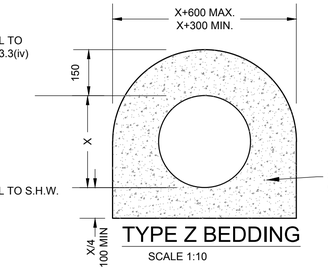
SCALE 1:10

ALL CONCRETE TO BE AC/DS 2



TYPE S BEDDING

SCALE 1:10



TYPE Z BEDDING

SCALE 1:10

ALL CONCRETE TO BE AC/DS 2

BEDDING NOTES

GRANULAR PIPE BEDDING SIZE		
NOMINAL BORE OF PIPE (mm)	ALTERNATIVE AGGREGATE SIZES	
	SINGLE SIZED	GRADED
100 - 150	10	-
225 - 300	10 OR 20	20/5
375 - 525	20	20/5
EXCEEDING	20 OR 40	20/5 OR 40/5

1. SELECTED BACKFILL MATERIAL, WHETHER SELECTED FROM LOCALLY EXCAVATED MATERIAL OR IMPORTED, SHALL CONSIST OF UNIFORM, READILY COMPACTIBLE MATERIAL, FREE FROM VEGETABLE MATTER, BUILDING RUBBISH AND FROZEN MATERIAL, OR MATERIALS SUSCEPTIBLE TO SPONTANEOUS COMBUSTION, AND EXCLUDING CLAY OF LIQUID LIMIT GREATER THAN 80 AND/OR PLASTIC LIMIT GREATER THAN 55 AND MATERIALS OF EXCESSIVELY HIGH MOISTURE CONTENT. CLAY LUMPS AND STONES SHALL BE RETAINED 75mm AND 37.5mm SIEVES RESPECTIVELY.

2. COMPRESSIBLE FILLER FOR INTERRUPTING CONCRETE PROTECTION TO PIPELINES SHALL CONSIST OF BITUMEN IMPREGNATED INSULATING BOARD TO BS 1142, PART 3 OR OTHER EQUALLY COMPRESSIBLE MATERIAL. THE THICKNESS OF COMPRESSIBLE FILLER SHALL BE AS FOLLOWS:.

COMPRESSIBLE FILLER THICKNESS	
NOMINAL BORE OF PIPE (mm)	THICKNESS OF COMPRESSIBLE FILLER (mm)
LESS THAN 450	18
450 - 1200	36
EXCEEDING 1200	54

3. THE CONTRACTOR IS TO PROTECT BURIED PIPES (PARTICULARLY SHALLOW PIPES) FROM DAMAGE CAUSED BY LOADS IMPOSED BY CONSTRUCTION PLANT.

4. BELOW ROADS AND OTHER PAVED AREAS WHERE SPECIFIED TRENCHES SHALL BE BACKFILLED WITH DOT SPECIFICATION TYPE 1 SUB-BASE MATERIAL UP TO ROAD/PAVING FORMATION LEVEL.ALL OTHER TRENCHES,UNLESS OTHERWISE SPECIFIED SHALL BE BACKFILLED TO FINISHED GROUND LEVEL OR UNDERSIDE OF TOPSOIL LAYER WITH WELL COMPACTED EXCAVATED MATERIAL.

GRANULAR BEDDINGS

1. DIMENSION Y: 1/6 BC OR 100MM UNDER BARRELS,AND 50MM MIN UNDER SOCKETS WHICHEVER IS THE GREATER (400MAX). ROCK ETC 1/4 BC AND 150MM MIN UNDER SOCKETS (400MAX)
2. DN : NOMINAL BORE OF PIPE
3. BC : EXTERNAL DIAMETER OF PIPE BARREL

CONCRETE BEDDINGS

1. THE USE OF GRANULAR BEDDINGS BELOW CONCRETE BEDDINGS (BEDDING TYPES A2,A4,A6) ARE FOR USE IN WET CONDITIONS.
2. CONCRETE CRADLES MAY EXTEND TO SIDES OF TRENCH.
3. TRANSVERSE STEEL TO BE 0.4% MIN OF CONCRETE AT X-X (FM=3.4) UNLESS OTHERWISE STATED.
4. BEDDING BENEATH AND AT SIDES OF PIPE TO BE WELL COMPACTED
5. BEDDING/BACKFILL DIRECTLY ABOVE PIPE TO BE LIGHTLY COMPACTED BY HAND.
6. DIMENSION Y: 1/6BC OR 100MM UNDER BARRELS, AND 50MM UNDER SOCKETS WHICHEVER IS GREATER (SUBJECT TO 400MM MAXIMUM).
7. DN = NOMINAL BORE OF PIPE.
8. BC = EXTERNAL DIAMETER OF PIPE BARREL.

TRENCH WIDTH

1. THE MAXIMUM TRENCH WIDTHS ARE TO BE AS SHOWN BELOW UNLESS THE APPROVAL OF THE ENGINEER IS OBTAINED.

MAXIMUM TRENCH WIDTH	
INTERNAL PIPE DIAMETER (mm)	THICKNESS OF COMPRESSIBLE FILLER (mm)
100	600
150	700
225	800
300	900
375	1050

This drawing is the copyright of Hydrock Consultants Ltd

Rev	Date	Description	By	Ckd
AB	01.05.18	AS BUILT	JH	JB
C1	11.12.15	ISSUED FOR CONSTRUCTION	JH	JB
P2	20.11.15	NOTE ADDED	JH	JB
P1	06.11.15	PRELIMINARY ISSUE	JH	JB

Architect :

J M ARCHITECTS

Hydrock

Hydrock Consultants Ltd
Blythe Valley Innovation Centre
Central Boulevard
Solihull
B90 8AJ
T +44 (0)121 5069040
birmingham@hydrock.com
www.hydrock.com

Client:

MANCHESTER LIFE DEVELOPMENT COMPANY LTD

Project Title:

SILK GLASS

Silk Drawing No:

HYD-CIV-ALL-DE-0010

Drawing Title:

STANDARD DRAINAGE DETAILS
SHEET 1

Drawing Status:

AS BUILT

Hydrock Job No:

C151619

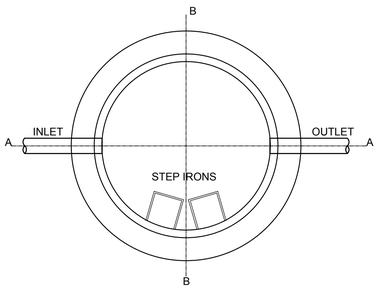
Drawn	Checked	Scale @ A1	Date	Issue Date
JH	SC	AS SHOWN	18.09.15	18.09.15

Drawing Number:

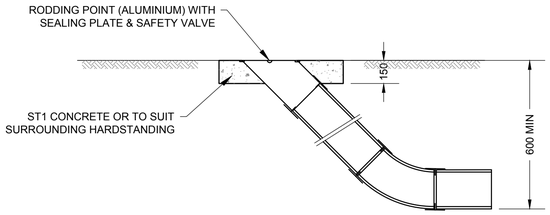
C151619-HYD-XX-XX-DR-C-010

Revision:

AB

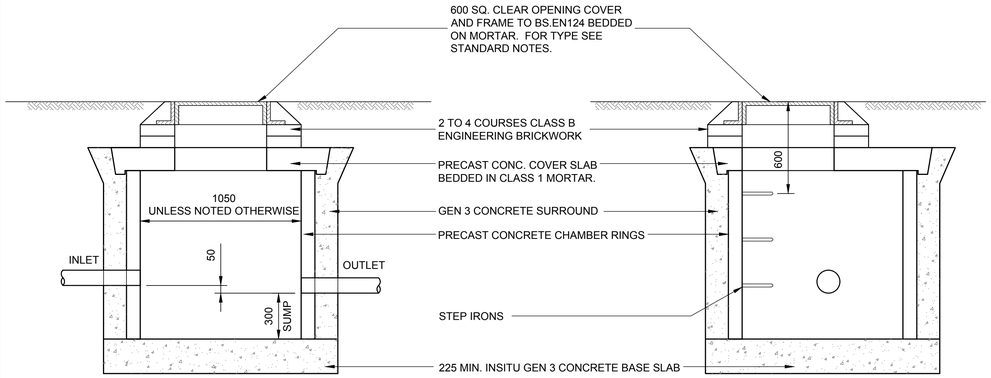


PLAN

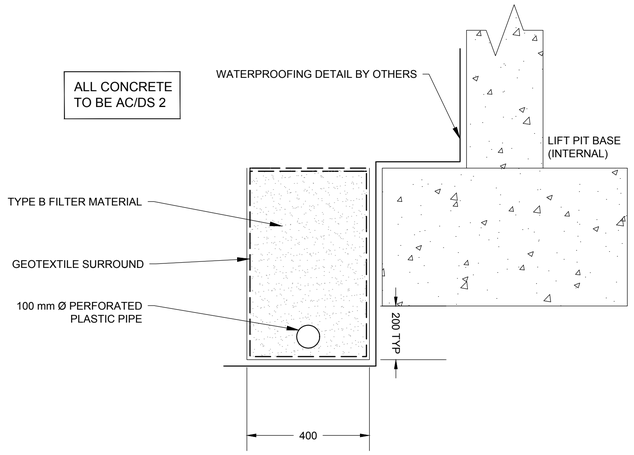


RODDING EYE DETAIL

SCALE 1:20

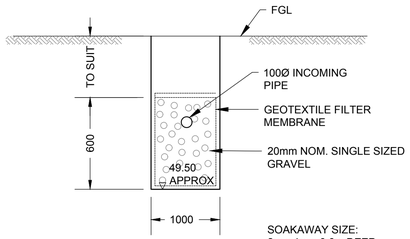


SECTION A-A



LAND DRAIN

SCALE 1:10



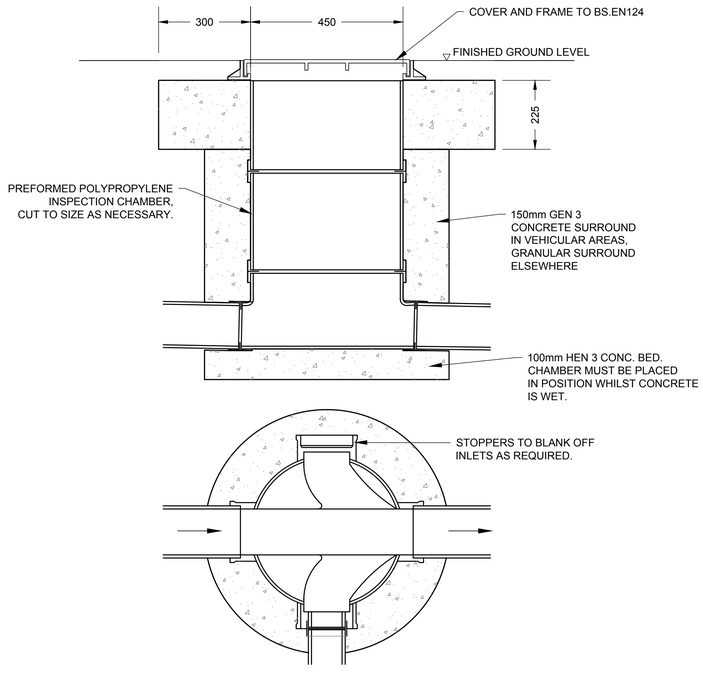
SOAKAWAY

SCALE NTS

AS BUILT DRAWING:
THIS DRAWING IS THE FINAL CONSTRUCTION ISSUE AND DOES NOT PURPORT TO BE A SURVEY RECORD OF THE WORKS AS CONSTRUCTED.

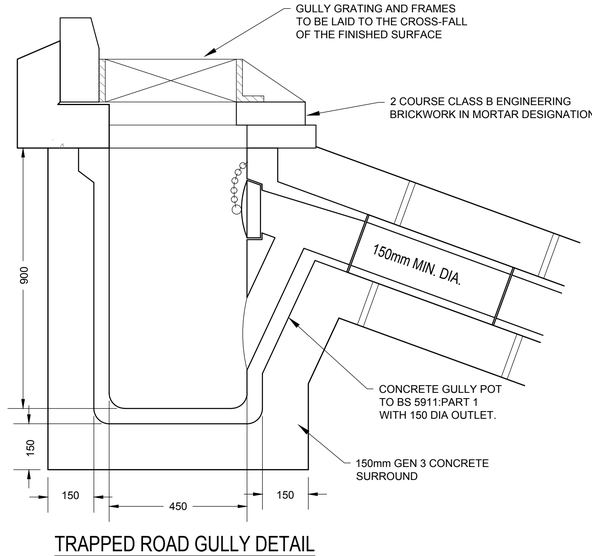
TYPICAL CATCHPIT DETAIL

SCALE 1:20



POLYPROPYLENE INSPECTION CHAMBER

SCALE 1:10

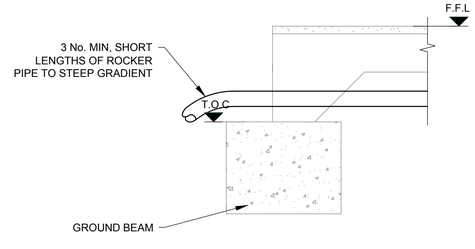


TRAPPED ROAD GULLY DETAIL

SCALE 1:10

ALL CONCRETE TO BE AC/DS 2

NB: RODDING ACCESS IS REQUIRED AT FOOT OF RWP



TYPICAL DRAINAGE PASSING OVER GROUND BEAM DETAIL

SCALE 1:20

Rev	Date	Description	By	Ckd
AB	01.05.18	AS BUILT	GW	JH
C3	20.01.17	SOAKAWAY ADDED	GW	JH
C2	12.01.16	LAND DRAIN ADDED	GW	JH
C1	11.12.15	ISSUED FOR CONSTRUCTION	JH	JB
P2	20.11.15	NOTE ADDED	JH	JB
P1	06.11.15	PRELIMINARY ISSUE	JH	JB

Architect :

J M ARCHITECTS

Hydrock
Hydrock Consultants Ltd
Blythe Valley Innovation Centre
Central Boulevard
Solihull
B90 8AJ
T +44 (0)121 5069040
birmingham@hydrock.com
www.hydrock.com

Client :

MANCHESTER LIFE DEVELOPMENT COMPANY LTD

Project Title:

SILK GLASS

Silk Drawing No:

HYD-CIV-ALL-DE-0011

Drawing Title:

STANDARD DRAINAGE DETAILS
SHEET 2

Drawing Status:

AS BUILT

Hydrock Job No:

C151619

Drawn	Checked	Scale @ A1	Date	Issue Date
JH	SC	AS SHOWN	18.09.15	18.09.15

Drawing Number:

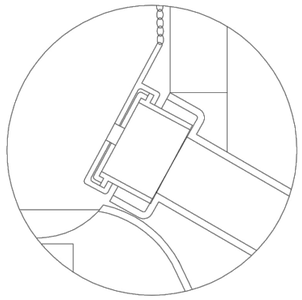
C151619-HYD-XX-XX-DR-C-011

Revision:

AB

This drawing is the copyright of Hydrock Consultants Ltd

Interceptor (Winsor)
Application Detail
GEN5



Alternative detail
Showing lever locking stopper
100 Ø - code IL1

Notes -
1. Dimensions shown may vary due to manufacturing tolerances.
2. 225 Ø units are manufactured segmentally from straight pipe.

AS BUILT DRAWING:
THIS DRAWING IS THE FINAL CONSTRUCTION ISSUE AND DOES NOT PURPORT TO BE A SURVEY RECORD OF THE WORKS AS CONSTRUCTED.

Notes:

1. All dimensions are to be checked on site before the commencement of works. Any discrepancies are to be reported to the Architect & Engineer for verification. Figured dimensions only are to be taken from this drawing.
2. This drawing is to be read in conjunction with all relevant Engineers' and Service Engineers' drawings and specifications.

This drawing is the copyright of Hydrock Consultants Ltd

Rev	Date	Description	By	Ckd
AB	01.05.18	AS BUILT	JH	JH
C1	11.12.15	ISSUED FOR CONSTRUCTION	JH	JH

Client :
MANCHESTER LIFE DEVELOPMENT COMPANY LTD

Architect :
J M ARCHITECTS

Project Title:
SILK GLASS

Drawing Title:
STANDARD DETAILS SHEET 3

Silk Drawing No:
HYD-CIV-ALL-DE-0012

Drawing Status:
AS BUILT

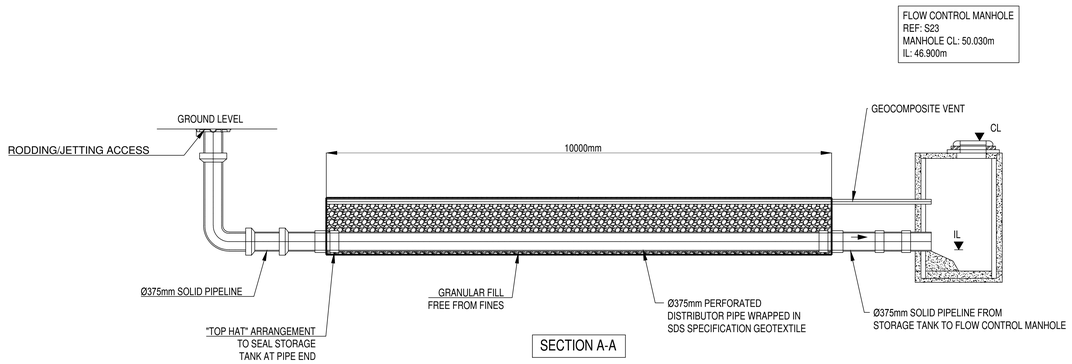
Hydrock
Hydrock Consultants Ltd
Blythe Valley Innovation Centre
Central Boulevard
Solihull
B90 8AJ
T +44 (0)121 5069040
birmingham@hydrock.com
www.hydrock.com

Hydrock Job No:
C151619

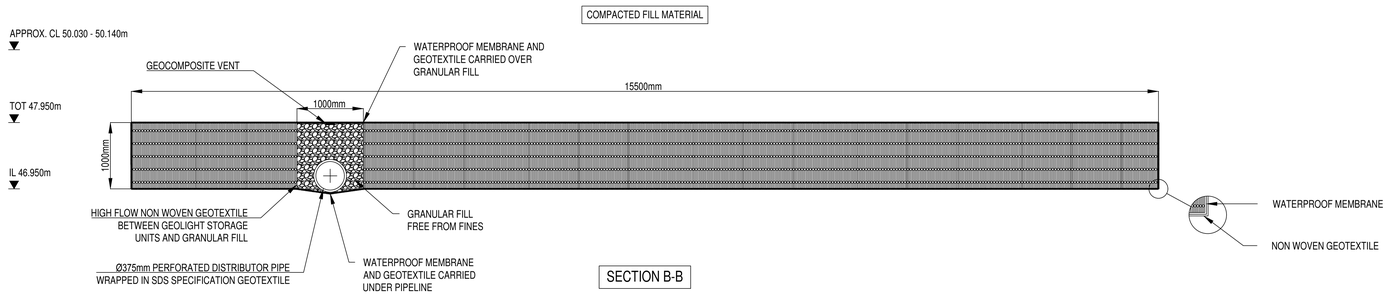
Drawn	Checked	Scale @ A3	Date	Issue Date
JH	JH	NTS	03.03.17	03.03.07

Drawing Number:
C151619-HYD-XX-XX-DR-C-0012

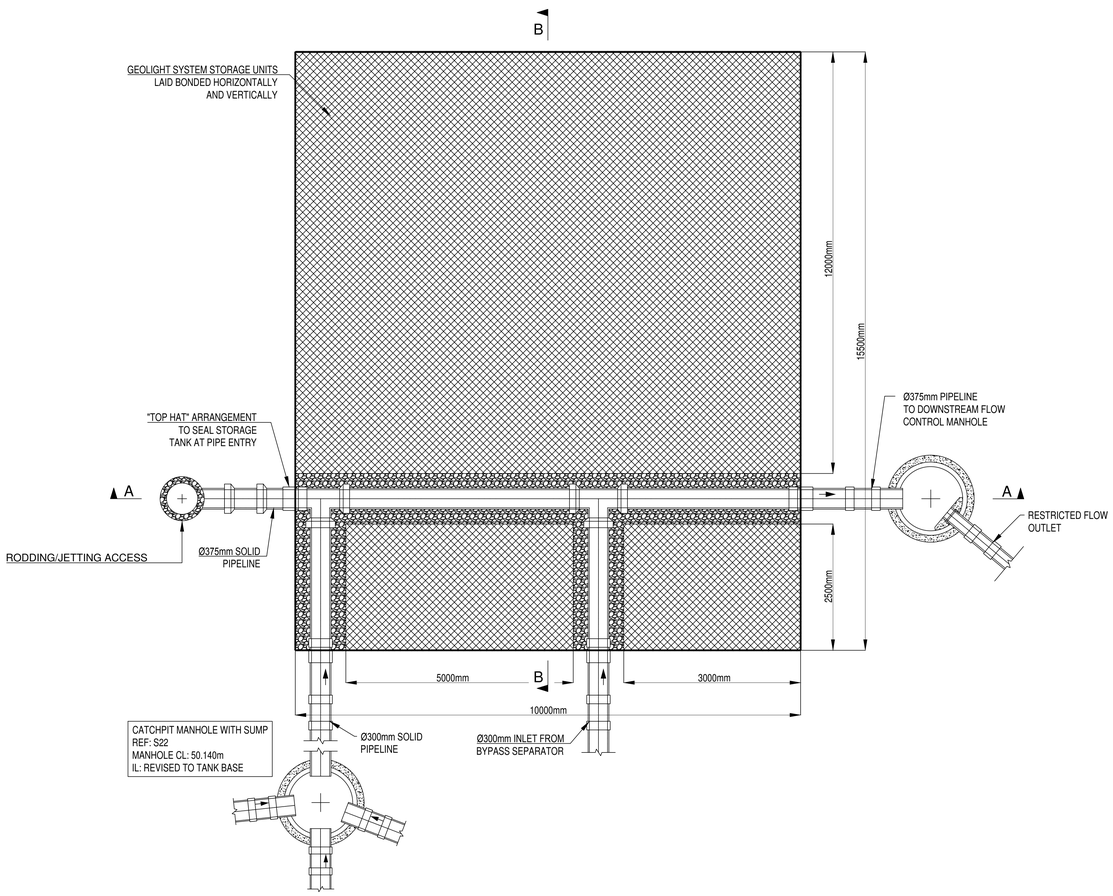
Revision:
AB



SECTION A-A



SECTION B-B



Notes :

This Drawing is to be read in conjunction with all relevant Architect's Engineer's and specialists' drawings and specifications.

Do not scale from this drawing in either paper or digital form. Use written dimensions only.

SDS to leave solid stub only, exiting tank for connection by others.

All external Manholes, Access Points, Junctions & Pipe are shown for guidance only and not part of the SDS program unless otherwise agreed.

REFERENCE DRAWINGS:

Drawing Number	Revision	Drawing Title	Date
C151618-HYD-XX-XX-DR-C-0001	C10	PROPOSED DRAINAGE LAYOUT	06.06.16

Rev	Comments	Date
-	ISSUED FOR APPROVAL	10.06.16

Sustainable Drainage Systems Ltd
Clearwater House
Castlemills
Biddisham
Somerset
BS26 2RE

Tel: 01934 751303
Fax: 01934 751304
Web: www.sdslimited.com

Project
MANCHESTER LIFE
SILK GLASS

Client
ACS CONSTRUCTION

Title
ATTENUATION DETAIL

Scale	Date	
NTS	10.06.16	
Drawn: GM	Checked By: SP	Rev: -

Drawing No: E223715_01_-

HRD Technologies Ltd

219mm Type O Hydro-Brake® Flow Control

Project Information

Our Reference: FOR INTERNAL USE ONLY
Client: 15_21_3228
Site: Manchester Life Silk Glass

Technical Specification Criteria

Primary Design Point (A)
Head = 0.850 m
Flow = 84.000 l/s

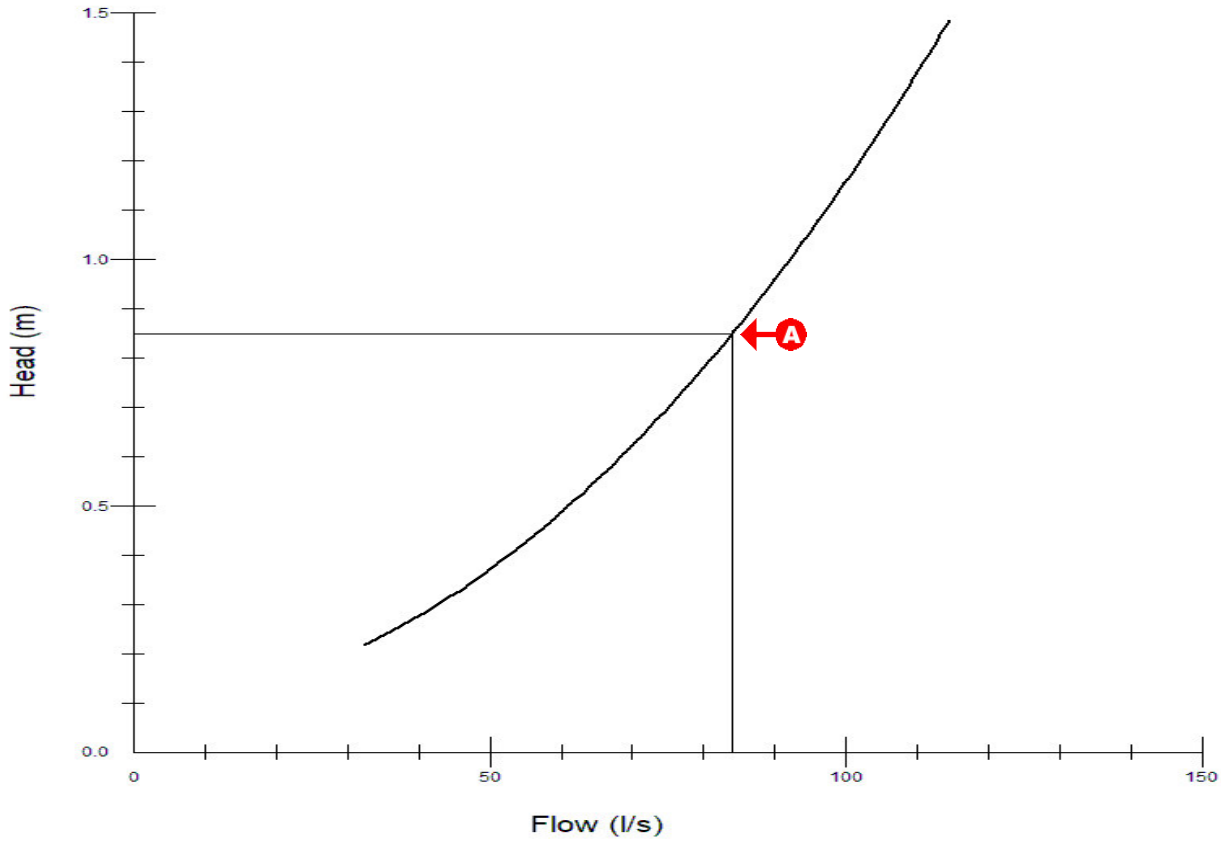
Head (m)	Flow (l/s)
0.075	n/a
0.150	n/a
0.225	n/a
0.300	n/a
0.375	n/a
0.450	n/a
0.525	n/a
0.600	n/a
0.675	n/a
0.750	n/a

Head (m)	Flow (l/s)
0.825	n/a
0.900	n/a
0.975	n/a
1.050	n/a
1.125	n/a
1.200	n/a
1.275	n/a
1.350	n/a
1.425	n/a
1.500	n/a

Design Advice

The head / flow characteristics of this 219mm Type O Hydro-Brake® Flow Control are unique, fully verifiable and proven by computational design, physical modelling and in-situ testing. The use of any other flow control will invalidate any design based on this data which may lead to adverse hydraulic effects including loss of upstream storage, under /over discharge and increased potential for flooding, any of which could cause non-compliance with the original hydraulic model.

Specific Head / Flow characteristic for 219mm Type O



© 2017 HRD Technologies Ltd

Hydro-Brake® Flow Control is the registered trademark for flow controls designed exclusively by HRD Technologies Ltd.