





Project

Project Name: DFI Rivers_GobbinsRoad_Islandmagee2024_07_25

Project Date: 25/07/2024

Inspection Standard: MSCC5 Sewers & Drainage GB (SRM5 Scoring)



Department for

Infrastructure

www.infrastructure-ni.gov.uk



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DFIRivers_GobbinsRoad_Islandmagee2024_07_25		25/07/2024

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Section Item 1: 1 > Outfall (1X)	1



Tel. [Redacted]

Project Information

Project Name DFIRivers_GobbinsRoad_Islandmagee2024_07_25	Project Number	Project Date 25/07/2024
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Client

Company: DFI Rivers
Description: Rivers Agency
Contact: Stephen Lindsay
Department: Engineer
Street: 49 Tullywiggan Road
Town or City: Cookstown
County: Tyrone
Post Code: BT80 8SQ
Phone: [Redacted]
Mobile: [Redacted]
Email: [Redacted]



Site

Street: Gobbin Road
Town or City: Islandmagee
County: Antrim

Contractor

Company: Blockbusters Environmental Services
Description: CCTV Sewer Pipeline Inspection
Contact: [Redacted]
Department: Win Business Park
Street: Newry
Town or City: Down
Post Code: BT35 6PH
Phone: [Redacted]
Mobile: [Redacted]
Email: [Redacted]





Scoring Summary

Project Name DFIRivers_GobbinsRoad_Islandmagee2024_07_25	Project Number	Project Date 25/07/2024
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Structural Defects

- Grade 3: Best practice suggests consideration should be given to repairs in the medium term.
- Grade 4: Best practice suggests consideration should be given to repairs to avoid a potential collapse.
- Grade 5: Best practice suggests that this pipe is at risk of collapse at any time. Urgent consideration should be given to repairs to avoid total failure.

Section	PLR	Grade	Description
1	1X	4	Multiple defects

Service / Operational Condition

- Grade 3: Best practice suggests consideration should be given to maintenance activities in the medium term.
- Grade 4: Best practice suggests consideration should be given to maintenance activity to avoid potential blockages.
- Grade 5: Best practice suggests that this pipe is at a high risk of backing up or causing flooding.

Section	PLR	Grade	Description
1	1X	4	Multiple defects

Abandoned Surveys

Section	PLR	Description
1	1X	Survey abandoned
1	1X	Survey abandoned

Information

These scoring summaries are based on the SRM grading from the WRc.



Section Profile

Project Name	Project Number	Project Date
DFIRivers_GobbinsRoad_Islandmagee2024_07_25		25/07/2024

Total: 0 Inspections = 0.00 m Total Length and 0.00 m Inspected Length

**Section Summary**

Project Name DFIRivers_GobbinsRoad_Islandmagee2024_07_25	Project Number	Project Date 25/07/2024
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Number of sections	1
Total length of sections	90.00 m
Total length of inspected sections	13.27 m
Total length of not inspected sections	76.73 m
Number of abandoned inspections	2
Number of section inspection photos	18
Number of section inspection videos	2
Number of section inspection scans	0
Number of section inclination measurements	0

PLR: 1X	Upstream Node: 1
Inspection Direction: Downstream	Downstream Node: Outfall
Inspected Length: 7.55 m	Dia/Height: 375 mm
Total Length: 90.00 m	Material: Concrete

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: 1
2	0.00	WL	Water level, 5% of the vertical dimension
3	1.26	WL	Water level, 20% of the vertical dimension
4	2.11	CXI	Connection defective, connecting pipe is intruding at 2 o'clock, 150mm dia, intrusion: 10%
5	2.11	CL	Crack, longitudinal at 12 o'clock
6	3.06	OJM	Open joint, medium
7	5.83	CL	Crack, longitudinal at 1 o'clock
8	6.97	B	Broken pipe from 11 o'clock to 3 o'clock
9	6.97	FM	Fractures, multiple from 9 o'clock to 3 o'clock
10	7.55	SA	Survey abandoned

PLR: 1X	Upstream Node: 1
Inspection Direction: Downstream	Downstream Node: Outfall
Inspected Length: 5.72 m	Dia/Height: 375 mm
Total Length: 90.00 m	Material: Concrete

No.	m+	Code	Observation
1	0.00	MH	Start node, manhole, reference: 1
2	0.00	WL	Water level, 5% of the vertical dimension
3	1.00	DES	Settled deposits, fine, 20% cross-sectional area loss
4	1.98	DER	Settled deposits, coarse, 30% cross-sectional area loss
5	3.73	CXI	Connection defective, connecting pipe is intruding at 2 o'clock, 150mm dia, intrusion: 10%
6	3.73	CL	Crack, longitudinal at 1 o'clock



Section Summary

Project Name DFIRivers_GobbinsRoad_Islandmagee2024_07_25	Project Number	Project Date 25/07/2024
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No.	m+	Code	Observation
7	4.77	DES	Settled deposits, fine, 30% cross-sectional area loss
8	5.72	SA	Survey abandoned



Section Inspection - 25/07/2024 - 1X

Item No. 1	Insp. No. 1	Date 25/07/24	Time 10:56	Client's Job Ref 1	Weather No Rain Or Snow	Pre Cleaned Yes	PLR 1X
Operator [Redacted]		Vehicle [Redacted]		Camera Ipek	Preset Length Not Specified	Legal Status Watercourse	Alternative ID Not Specified

Town or Village:	Islandmagee	Inspection Direction:	Downstream	Upstream Node:	1
Road:	Gobbins Road	Inspected Length:	7.55 m	Upstream Pipe Depth:	0.000 m
Location:	Verge	Total Length:	90.00 m	Downstream Node:	OUTFALL
Surface Type:	Grass	Joint Length:	1.00 m	Downstream Pipe Depth:	0.000 m
Use:	Culverted watercourse	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	375 mm		
Flow Control:	No flow control	Material:	Concrete		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Investigation of operational problems	Lining Material:	No Lining		

Comments:
Recommendations:

Scale:	1:780	Position [m]	Code	Observation	MPEG	Photo	Grade
	Depth: 0.00 m	1	MH	Start node, manhole, reference: 1	00:00:00		
	0.00	0.00	WL	Water level, 5% of the vertical dimension	00:00:09	1_Outfall_CO_10.jpg	
	1.26	1.26	WL	Water level, 20% of the vertical dimension	00:00:22	1_Outfall_CO_11.jpg	
	2.11	2.11	CXI	Connection defective, connecting pipe is intruding at 2 o'clock, 150mm dia, intrusion: 10%	00:00:32	1_Outfall_CO_12.jpg	3
	2.11	2.11	CL	Crack, longitudinal at 12 o'clock	00:00:35	1_Outfall_CO_13.jpg	2 / 2
	3.06	3.06	OJM	Open joint, medium	00:00:46	1_Outfall_CO_14.jpg	1
	5.83	5.83	CL	Crack, longitudinal at 1 o'clock	00:01:15	1_Outfall_CO_15.jpg	2 / 2
	6.97	6.97	B	Broken pipe from 11 o'clock to 3 o'clock	00:01:40	1_Outfall_CO_16.jpg	4
	6.97	6.97	FM	Fractures, multiple from 9 o'clock to 3 o'clock	00:01:43	1_Outfall_CO_17.jpg	4 / 2
	7.55	7.55	SA	Survey abandoned: Unable to continue	00:02:37	1_Outfall_CO_19.jpg	
	90.00	90.00		End of pipe			
	Outfall						
	Depth: 0.00 m						

Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
5	160.0	2.0	181.0	4.0	4	3.0	0.1	5.0	3.0



Section Pictures - 25/07/2024 - 1X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
1	Downstream	1X	1	1

1_Outfall_CO_10.jpg, 00:00:09, 0.00 m
Water level, 5% of the vertical dimension

1_Outfall_CO_11.jpg, 00:00:22, 1.26 m
Water level, 20% of the vertical dimension

1_Outfall_CO_12.jpg, 00:00:32, 2.11 m
Connection defective, connecting pipe is intruding at 2 o'clock,
150mm dia, intrusion: 10%

1_Outfall_CO_13.jpg, 00:00:35, 2.11 m
Crack, longitudinal at 12 o'clock



Section Pictures - 25/07/2024 - 1X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
1	Downstream	1X	1	1

1_Outfall_CO_14.jpg, 00:00:46, 3.06 m
Open joint, medium

1_Outfall_CO_15.jpg, 00:01:15, 5.83 m
Crack, longitudinal at 1 o'clock

1_Outfall_CO_16.jpg, 00:01:40, 6.97 m
Broken pipe from 11 o'clock to 3 o'clock

1_Outfall_CO_18.jpg, 00:01:40, 6.97 m
Broken pipe from 11 o'clock to 3 o'clock



Section Pictures - 25/07/2024 - 1X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
1	Downstream	1X	1	1

1_Outfall_CO_17.jpg, 00:01:43, 6.97 m
Fractures, multiple from 9 o'clock to 3 o'clock

1_Outfall_CO_19.jpg, 00:02:37, 7.55 m
Survey abandoned, Unable to continue

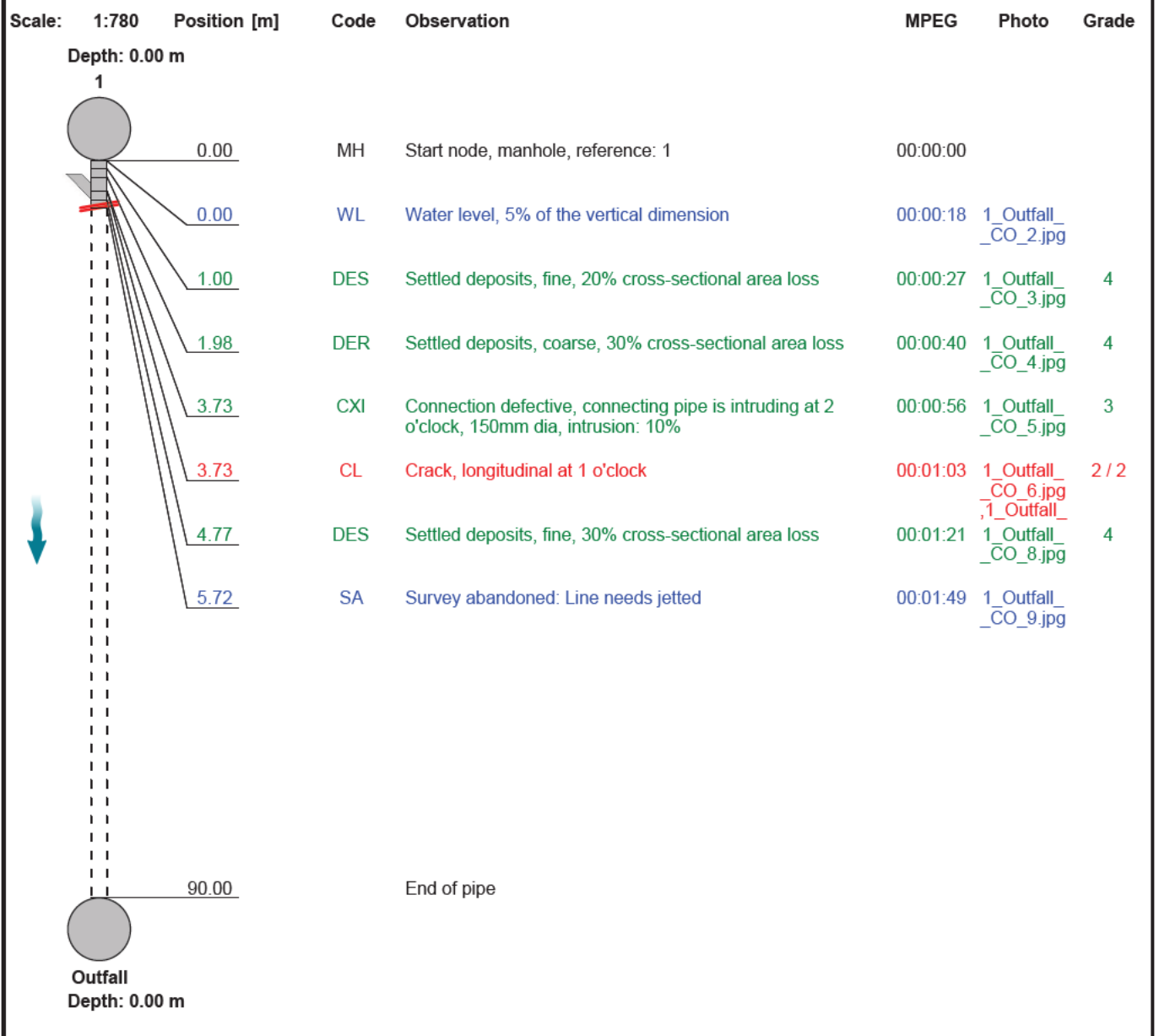


Section Inspection - 25/07/2024 - 1X

Item No. 1	Insp. No. 2	Date 25/07/24	Time 9:16	Client's Job Ref 1	Weather No Rain Or Snow	Pre Cleaned Yes	PLR 1X
Operator [Redacted]		Vehicle [Redacted]		Camera Ipek	Preset Length 1.00 m	Legal Status Watercourse	Alternative ID Not Specified

Town or Village:	Islandmagee	Inspection Direction:	Downstream	Upstream Node:	1
Road:	Gobbins Road	Inspected Length:	5.72 m	Upstream Pipe Depth:	0.000 m
Location:	Verge	Total Length:	90.00 m	Downstream Node:	OUTFALL
Surface Type:	Grass	Joint Length:	1.00 m	Downstream Pipe Depth:	0.000 m
Use:	Culverted watercourse	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	375 mm		
Flow Control:	No flow control	Material:	Concrete		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Investigation of operational problems	Lining Material:	No Lining		

Comments:
Recommendations:



Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
1	10.0	0.1	10.0	2.0	5	5.0	0.2	18.0	4.0



Section Pictures - 25/07/2024 - 1X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
1	Downstream	1X	1	1

1_Outfall_CO_2.jpg, 00:00:18, 0.00 m
Water level, 5% of the vertical dimension

1_Outfall_CO_3.jpg, 00:00:27, 1.00 m
Settled deposits, fine, 20% cross-sectional area loss

1_Outfall_CO_4.jpg, 00:00:40, 1.98 m
Settled deposits, coarse, 30% cross-sectional area loss

1_Outfall_CO_5.jpg, 00:00:56, 3.73 m
Connection defective, connecting pipe is intruding at 2 o'clock,
150mm dia, intrusion: 10%



Section Pictures - 25/07/2024 - 1X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
1	Downstream	1X	1	1

1_Outfall_CO_6.jpg, 00:01:03, 3.73 m
Crack, longitudinal at 1 o'clock

1_Outfall_CO_7.jpg, 00:01:03, 3.73 m
Crack, longitudinal at 1 o'clock

1_Outfall_CO_8.jpg, 00:01:21, 4.77 m
Settled deposits, fine, 30% cross-sectional area loss

1_Outfall_CO_9.jpg, 00:01:49, 5.72 m
Survey abandoned, Line needs jetted

Blockbusters Environmental Services
(NI) LTD B7 Block B
Win business Park
Newry
Down
BT35 6PH

Issued By: Shields, Mark

Issued Date: 09-Jul-2024

For the attention of:

&

Dear Sir/Madam

IMU3

**TC for Inspection and Maintenance of Underground
Infrastructure 2020 Armagh Lisburn Areas**

Works Order Number: 38231/IMU3/1015

Please carry out the following work:

Gobbins Road Islandmagee

CCTV survey & desilting of undesignated watercourse culvert approx 95m long - size not known but 600mm Dia or less. See map.

Please contact Kevin Scullion or Mark Shields for further details and to arrange prestart safety audit.

Commencement Date: 18-Jul-2024 **Estimate Value:** £0.00

Works Completion Period: 30 days

Note: Contractor to acknowledge receipt of works order.

Yours Faithfully

Jon Hilditch

Engineer's Representative

Blockbusters Environmental Services

**WORK ORDER
CLIENT COPY**

(NI) LTD B7 Block B
Win business Park
Newry
Down
BT35 6PH

Contact Name: [Redacted] & [Redacted]

Contact number:

**IMU3 TC for Inspection and Maintenance of Underground Infrastructure 2020
Armagh Lisburn Areas**

Works Order Number	38231/IMU3/1015	Prepared By	Shields, Mark
Cost Centre	Dfl Rivers Eastern Region Lisburn	Created Date	09-Jul-2024
Scope	Routine	Engineer(s) Representative	Jon Hilditch
Type	Not Applicable		
Title of Works Order	Gobbins Road Islandmagee		

Supplementary Location info

HEALTH AND SAFETY		WORKS ORDERS DATES	
Is NI10 notification required?	No	Works Commencement Date	18-Jul-2024
Date NI10 notification sent to HSE		Works Completion Period(days)	30
CDM Principal Designer	Hilditch Jon	Due Date for Completion	16-Aug-2024
		Certificate of Substantial Completion	
		Due Date for Final Account	
		Final Account Submitted	

COSTS	
Estimate	£0.00
How Work will be valued	Schedule of Rates

Description

CCTV survey & desilting of undesignated watercourse culvert approx 95m long - size not known but 600mmDia or less. See map.

Please contact Kevin Scullion or Mark Shields for further details and to arrange prestart safety audit.

Special Requirements

[Empty box for Special Requirements]

Blockbusters Environmental Services

(NI) LTD B7 Block B
Win business Park
Newry
Down
BT35 6PH

**WORK ORDER
CONTRACTOR COPY**

Contact Name: [Redacted] &

Contact number:

IMU3 TC for Inspection and Maintenance of Underground Infrastructure 2020 Armagh Lisburn Areas

Works Order Number	38231/IMU3/1015	Prepared By	Shields, Mark
Cost Centre	Dfl Rivers Eastern Region Lisburn	Created Date	09-Jul-2024
Scope	Routine	Engineer(s) Representative	Jon Hilditch
Type	Not Applicable		
Title of Works Order	Gobbins Road Islandmagee		

Supplementary Location info

<p>HEALTH AND SAFETY</p> <p>Is NI10 notification required? No</p> <p>Date NI10 notification sent to HSE</p> <p>CDM Principal Designer Hilditch Jon</p>	<p>WORKS ORDERS DATES</p> <p>Works Commencement Date 18-Jul-2024</p> <p>Works Completion Period(days) 30</p> <p>Due Date for Completion 16-Aug-2024</p> <p>Certificate of Substantial Completion</p> <p>Due Date for Final Account</p> <p>Final Account Submitted</p>
<p>COSTS</p> <p>Estimate £0.00</p> <p>How Work will be valued Schedule of Rates</p>	<p>DEFECTS CORRECTION PERIOD</p> <p>Defects Correction Period(wks) 52</p> <p>End of Defects Correction Period</p> <p>Works Order Completion Certificate</p>

Description

CCTV survey & desilting of undesignated watercourse culvert approx 95m long - size not known but 600mmDia or less. See map.

Please contact Kevin Scullion or Mark Shields for further details and to arrange prestart safety audit.

Special Requirements

[Empty box for Special Requirements]