SECTION 2.2 Site Investigation Reports

2.2.6 Drainage Report









Enterprise Park, Corby Tel. 01536 206179 colin@theoakleygroup.com

Project

Project Name: Wingates Bolton Unit 3

Project Description: WinCan Import in Miraculix Standard

Project Status: On Site

Project Date: 01/05/2024

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



Wingates Bolton Unit 3 Ver: 2023.14.2.0



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Wingates Bolton Unit 3	•	01/05/2024

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Project Information

Project Name	Project Number	Project Date
Wingates Bolton Unit 3		01/05/2024

Client

Company: Winvic Construction Ltd
Description: Civils & Engineering
Street: 19 Tenter Road
Town or City: Northampton
County: Northamptonshire

Post Code: NN3 6PZ
Phone: 01604 678960
Email: mail@winvic.co.uk

Site

Company: Winvic Construction Ltd
Description: Civils & Infrastructure
Contact: Sharukh Sameja
Department: Site Manager
Street: Great Bank Road

Town or City: Bolton
County: Lancashire
Post Code: BL5 3XU
Phone: 07444 615676

Email: sharukhsameja@winvic.co.uk

Contractor

Company: Oakley Industrial Services LTD

Description: CCTV Drainage Surveys

Contact: Colin Clarke
Department: Drainage

Street: Enterprise Park

 Town or City:
 Corby

 County:
 Northants

 Post Code:
 NN17 5JE

 Phone:
 01536 206179

 Mobile:
 07399 218871

Email: colin@theoakleygroup.com







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Scoring Summary

Project Name	Project Number	Project Date
Wingates Bolton Unit 3		01/05/2024

Structural Defects

Section PLR Grade Description

All inspected pipes are in an acceptable structural condition (< grade 3).

Service / Operational Condition

Section PLR Grade Description

All inspected pipes are in an acceptable service condition (< grade 3).

Abandoned Surveys

Section PLR Description

All inspections complete, none are abandoned.

Information

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



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Section Profile

Project Name	Project Number	Project Date
Wingates Bolton Unit 3		01/05/2024

Circula	ar, 75 mm						
Item No.	Upstream Node	Downstream Node	Date	Road	Material	Total Length	Inspected Length
13	PSRWP1	S1	01/05/2024	Unit 3	Polypropylene	1.96 m	1.96 m
14	SSRWP1	S1	01/05/2024	Unit 3	Polypropylene	1.41 m	1.41 m
19	PSRWP3	S3	01/05/2024	Unit 3	Polypropylene	2.15 m	2.15 m
20	SSRWP3	S3	01/05/2024	Unit 3	Polypropylene	1.28 m	1.28 m

Total: 4 Inspections x Circular 75 mm, 0 mm = 6.80 m Total Length and 6.80 m Inspected Length

Circular, 100 mm

Item No.	Upstream Node	Downstream Node	Date	Road	Material	Total Length	Inspected Length
1	SVP1a	F1A	02/05/2024	Unit 3	Polyvinyl chloride	24.27 m	24.27 m
3	SVP1b	Main	01/05/2024	Unit 3	Polyvinyl chloride	5.85 m	5.85 m
4	F1a	F1	01/05/2024	Unit 3	Polyvinyl chloride	4.64 m	4.64 m
7	SVP2	F2	01/05/2024	Unit 3	Polyvinyl chloride	29.69 m	29.69 m
9	F2	F3	10/06/2024	Unit 3	Polyvinyl chloride	33.96 m	33.96 m

Total: 5 Inspections x Circular 100 mm, 0 mm = 98.41 m Total Length and 98.41 m Inspected Length

Circular, 150 mm

Item No.	Upstream Node	Downstream Node	Date	Road	Material	Total Length	Inspected Length
5	F1	F3	09/05/2024	Unit 3	Polyvinyl chloride	17.82 m	17.82 m
10	F3	EX OF	01/05/2024	Unit 3	Polyvinyl chloride	18.75 m	18.75 m
12	SU1	S1	14/06/2024	Unit 3	Polyethylene	5.67 m	0.64 m
16	PSRWP2	S2	01/05/2024	Unit 3	Polypropylene	2.08 m	2.08 m
17	SSRWP2	S2	01/05/2024	Unit 3	Polypropylene	1.85 m	1.85 m
22	S4	RWHT	01/05/2024	Unit 3	Polyethylene	5.69 m	5.69 m
23	RWHT	S4a	14/06/2024	Unit 3	Polyethylene	7.67 m	7.66 m
27	PPIC	S6	01/05/2024	Unit 3	Polyethylene	7.04 m	7.04 m
29	SU7a	S7	09/05/2024	Unit 3	Polyethylene	21.28 m	21.28 m
31	SU7b	S7	01/05/2024	Unit 3	Polyethylene	10.07 m	10.07 m
38	SU11	S11	08/05/2024	Unit 3	Polyethylene	9.18 m	9.18 m
39	S11	ATT1	08/05/2024	Unit 3	Polyethylene	31.98 m	31.98 m
42	S12	EXS12a	02/05/2024	Unit 3	Polypropylene	8.05 m	7.83 m

Total: 13 Inspections x Circular 150 mm, 0 mm = 147.13 m Total Length and 141.87 m Inspected Length

Circular, 225 mm

Item No.	Upstream Node	Downstream Node	Date	Road	Material	Total Length	Inspected Length
40	ATT1	S10	02/05/2024	Unit 3	Polyethylene	18.02 m	18.02 m
41	S10	S12	02/05/2024	Unit 3	Polyethylene	54.76 m	54.39 m

Total: 2 Inspections x Circular 225 mm, 0 mm = 72.78 m Total Length and 72.41 m Inspected Length

Circular, 300 mm

Item No.	. Upstream Node	Downstream Node	Date	Road	Material	Total Length	Inspected Length
15	S1	S2	01/05/2024	Unit 3	Polyethylene	21.41 m	21.41 m
32	S7	INT1	01/05/2024	Unit 3	Polyethylene	2.05 m	2.05 m
33	INT1	S8	08/05/2024	Unit 3	Polyethylene	1.58 m	1.58 m

Total: 3 Inspections x Circular 300 mm, 0 mm = 25.04 m Total Length and 25.04 m Inspected Length



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Section Profile

Project Name	Project Number	Project Date
Wingates Bolton Unit 3		01/05/2024

Circul	Circular, 450 mm								
Item No.	Upstream Node	Downstream Node	Date	Road	Material	Total Length	Inspected Length		
18	S2	S3	01/05/2024	Unit 3	Polyethylene	25.39 m	25.39 m		

Total: 1 Inspection x Circular 450 mm, 0 mm = 25.39 m Total Length and 25.39 m Inspected Length

Circular, 525 mm

Item No.	Upstream Node	Downstream Node	Date	Road	Material	Total Length	Inspected Length
21	S3	S4	01/05/2024	Unit 3	Polyethylene	6.48 m	6.48 m
24	S4	S4A	01/05/2024	Unit 3	Polyethylene	12.74 m	12.74 m
25	S4A	S5	01/05/2024	Unit 3	Polyethylene	17.80 m	17.80 m
26	S5	S6	01/05/2024	Unit 3	Polyethylene	32.07 m	32.07 m
28	S6	S8	01/05/2024	Unit 3	Polyethylene	3.24 m	3.24 m

Total: 5 Inspections x Circular 525 mm, 0 mm = 72.33 m Total Length and 72.33 m Inspected Length

Circular, 600 mm

ŀ	tem No.	Upstream Node	Downstream Node	Date	Road	Material	Total Length	Inspected Length
	35	S8	ATT1	01/05/2024	Unit 3	Polyethylene	2.52 m	2.52 m

Total: 1 Inspection x Circular 600 mm, 0 mm = 2.52 m Total Length and 2.52 m Inspected Length

Total: 34 Inspections = 450.40 m Total Length and 444.77 m Inspected Length



Section Summary

	•	
Project Name	Project Number	Project Date
Wingates Bolton Unit 3		01/05/2024

				1		
Nu	ımber o	of section	ons			34
To	tal leng	450.40 m				
То	tal leng	th of in	spected sections			444.77 m
То	tal leng	th of no	ot inspected sections			0.00 m
Νι	ımber o	f aband	doned inspections			0
Nι	ımber o	f section	on inspection photos			6
Νι	ımber o	f section	on inspection videos			34
Nι	ımber o	f section	on inspection scans			0
Nι	ımber o	f section	on inclination measurements			0
PLR:			SVP1aX	Upstream Node:	SVP1a	
	Di			· ·		
•	tion Direct		Upstream	Downstream Node:	F1A	
-	ted Length	า:	24.27 m	Dia/Height:	100 mm	
Total L	ength:		24.27 m	Material:	Polyvinyl	chloride
No.	m+	Code	Observation			
1	0.00	MH	Start node, manhole, reference: F1A			
2	0.00	WL	Water level, 0% of the vertical dimension			
3	0.12	REM	General remark			
4	3.54	JN	Junction at 10 o'clock, 100mm dia			
5	4.57	JN	Junction at 10 o'clock, 100mm dia			
6	7.36	JN	Junction at 10 o'clock, 100mm dia			
7	13.28	JN	Junction at 10 o'clock, 100mm dia			
8	24.27	BRF	Finish node, major connection without ma	nhole, reference: SVP1a		
				I	0) (5.1	
PLR:			SVP1bX	Upstream Node:	SVP1b	
_	tion Direct		Downstream	Downstream Node:	Main	
-	ted Length	า:	5.85 m	Dia/Height:	100 mm	
Total L	ength:		5.85 m	Material:	Polyvinyl	chloride
No.	m+	Code	Observation			
1	0.00	BR	Start node, major connection without man	hole, reference: SVP1b		
2	0.00	WL	Water level, 0% of the vertical dimension			
3	5.85	BRF	Finish node, major connection without ma	nhole, reference: Main		
PLR:			F1aX	Upstream Node:	F1a	
	tion Direct	tion·	Upstream	Downstream Node:	F1	
-	ted Length		4.64 m	Dia/Height:	100 mm	
-	ength:		4.64 m	Material:	Polyvinyl	chloride
i Olai L	-ciigui.		ווו דע.ד	material.	Olyviilyi	GIIGIAG



Section Summary

Project Date 01/05/2024 **Project Name**Wingates Bolton Unit 3 Project Number

			gates botton onit s		01/03/2024
No.	m+	Code	Observation		
1	0.00	МН	Start node, manhole, reference: F1		
2	0.00	WL	Water level, 0% of the vertical dimension		
3	4.64	MHF	Finish node, manhole, reference: F1a		
PLR:			F1X	Upstream Node:	F1
Inspec	ction Direct	tion:	Downstream	Downstream Node:	F3
Insped	cted Lengtl	ո։	17.82 m	Dia/Height:	150 mm
Total I	Length:		17.82 m	Material:	Polyvinyl chloride
No.	m+	Code	Observation		
1	0.00	MH	Start node, manhole, reference: F1		
2	0.00	WL	Water level, 0% of the vertical dimension		
3	17.82	MHF	Finish node, manhole, reference: F3		
PLR:			SVP2X	Upstream Node:	SVP2
Insped	ction Direct	tion:	Upstream	Downstream Node:	F2
Insped	cted Lengtl	า:	29.69 m	Dia/Height:	100 mm
Total I	Length:		29.69 m	Material:	Polyvinyl chloride
No.	m+	Code	Observation		
1	0.00	МН	Start node, manhole, reference: F2		
2	0.00	WL	Water level, 0% of the vertical dimension		
3	29.69	GYF	Finish node, gully, reference: SVP2		
PLR:			F2X	Upstream Node:	F2
-	ction Direct		Downstream	Downstream Node:	F3
-	cted Lengtl	า:	33.96 m	Dia/Height:	100 mm
Total	Length:		33.96 m	Material:	Polyvinyl chloride
No.	m+	Code	Observation		
1	0.00	МН	Start node, manhole, reference: F2		
2	0.00	WL	Water level, 0% of the vertical dimension		
3	33.96	MHF	Finish node, manhole, reference: F3		
PLR:			F3X	Upstream Node:	F3
	ction Direct	tion:	Downstream	Downstream Node:	EX OF
_	cted Lengtl		18.75 m	Dia/Height:	150 mm
•	Length:		18.75 m	Material:	Polyvinyl chloride
No.	m+	Code	Observation		
1	0.00	MH	Start node, manhole, reference: F3		
2	0.00	WL	Water level, 0% of the vertical dimension		
3	8.37	D	Deformed sewer or drain, 5%		
4	18.75	MHF	Finish node, manhole, reference: EX OF		
PLR:			SU1X	Upstream Node:	SU1
Insped	Inspection Direction:		Upstream	Downstream Node:	S1
-	cted Lengtl	ո:	0.64 m	Dia/Height:	150 mm
Total	Length:		5.67 m	Material:	Polyethylene
No.	m+	Code	Observation		
1	0.00	MH	Start node, manhole, reference: S1		



Section Summary

Project Date 01/05/2024 Project Number **Project Name** Wingates Bolton Unit 3

		VVIII	gates Bolton Unit 3		01/05/2024					
No.	m+	Code	Observation							
2	0.00	WL	Water level, 0% of the vertical dimension							
3	0.64	BRF	Finish node, major connection without ma	Finish node, major connection without manhole, reference: SU1						
PLR:			PSRWP1X	Upstream Node:	PSRWP1					
Inspec	tion Direc	tion:	Upstream	Downstream Node:	S1					
-	ted Lengtl		1.96 m	Dia/Height:	75 mm					
_	ength:		1.96 m	Material:	Polypropylene					
No.	m+	Code	Observation							
1	0.00	MH	Start node, manhole, reference: S1							
2	0.00	WL	Water level, 0% of the vertical dimension							
3	1.96	BRF	Finish node, major connection without ma	nhole, reference: PSRWP1						
PLR:			SSRWP1X	Upstream Node:	SSRWP1					
	tion Direc	tion:	Upstream	Downstream Node:	S1					
•	ted Lengtl		1.41 m	Dia/Height:	75 mm					
_	ength:		1.41 m	Material:	Polypropylene					
No.	m+	Code	Observation	material.	г отургоругана					
1	0.00	MH	Start node, manhole, reference: S1							
2	0.00	WL	Water level, 5% of the vertical dimension							
3	1.41	BRF	Finish node, major connection without ma	nhole, reference: SSRWP1						
PLR:			S1 X	Unatroom Nada	S1					
	tian Dinas			Upstream Node:						
_	tion Direc		Upstream	Downstream Node:	S2					
-	ted Lengtl	า:	21.41 m	Dia/Height:	300 mm					
I otal L	ength:		21.41 m	Material:	Polyethylene					
No.	m+	Code	Observation							
1	0.00	MH	Start node, manhole, reference: S2							
2	0.00	WL	Water level, 0% of the vertical dimension							
3	21.41	MHF	Finish node, manhole, reference: S1							
PLR:			PSRWP2X	Upstream Node:	PSRWP2					
Inspec	tion Direc	tion:	Upstream	Downstream Node:	S2					
Inspec	ted Lengtl	ո։	2.08 m	Dia/Height:	150 mm					
Total L	ength:		2.08 m	Material:	Polypropylene					
No.	m+	Code	Observation							
1	0.00	МН	Start node, manhole, reference: S2							
2	0.00	WL	Water level, 10% of the vertical dimension	1						
3	0.58	SC	Pipe size changes, new size(s), 100mm h							
4	1.86	SC	Pipe size changes, new size(s), 75mm hig	,						
5	2.08	BRF	Finish node, major connection without ma	nhole, reference: PSRWP2						
PLR:			SSRWP2X	Upstream Node:	SSRWP2					
Inspection Direction:			Upstream	Downstream Node:	S2					
Inspec	ted Lengtl	ղ:	1.85 m	Dia/Height:	150 mm					
Total L	ength:		1.85 m	Material:	Polypropylene					
No.	m+	Code	Observation							
1	0.00	MH	Start node, manhole, reference: S2							
	<u> </u>		1							



Section Summary

Project Date 01/05/2024 Project Number **Project Name** Wingates Bolton Unit 3

<u> </u>			gates Boiton Unit 3		01/05/2024
No.	m+	Code	Observation		
2	0.00	WL	Water level, 5% of the vertical dimension		
3	0.39	SC	Pipe size changes, new size(s), 100mm h	igh	
4	1.56	SC	Pipe size changes, new size(s), 75mm high	gh	
5	1.85	BRF	Finish node, major connection without ma	anhole, reference: SSRWP2	
PLR:			S2 X	Upstream Node:	S2
Insped	ction Direct	tion:	Upstream	Downstream Node:	S3
Insped	cted Lengtl	ո։	25.39 m	Dia/Height:	450 mm
Total I	Length:		25.39 m	Material:	Polyethylene
No.	m+	Code	Observation		
1	0.00	МН	Start node, manhole, reference: S3		
2	0.00	WL	Water level, 0% of the vertical dimension		
3	25.39	MHF	Finish node, manhole, reference: S2		
PLR:			PSRWP3X	Upstream Node:	PSRWP3
Inspec	ction Direct	tion:	Upstream	Downstream Node:	S3
Inspec	cted Lengtl	ո։	2.15 m	Dia/Height:	75 mm
_	Length:		2.15 m	Material:	Polypropylene
No.	m+	Code	Observation		
1	0.00	МН	Start node, manhole, reference: S3		
2	0.00	WL	Water level, 10% of the vertical dimension	n	
3	2.15	BRF	Finish node, major connection without ma	anhole, reference: PSRWP3	
PLR:			SSRWP3X	Upstream Node:	SSRWP3
Insped	ction Direct	tion:	Upstream	Downstream Node:	S3
Insped	cted Lengtl	า:	1.28 m	Dia/Height:	75 mm
Total I	Length:		1.28 m	Material:	Polypropylene
No.	m+	Code	Observation		
1	0.00	МН	Start node, manhole, reference: S3		
2	0.00	WL	Water level, 0% of the vertical dimension		
3	1.28	BRF	Finish node, major connection without ma	anhole, reference: SSRWP3	
PLR:			\$3 X	Upstream Node:	S3
Inspec	ction Direct	tion:	Upstream	Downstream Node:	S4
Inspec	cted Lengtl	ո։	6.48 m	Dia/Height:	525 mm
_	Length:		6.48 m	Material:	Polyethylene
No.	m+	Code	Observation		
1	0.00	СР	Start node, catchpit, reference: S4		
2	0.00	WL	Water level, 0% of the vertical dimension		
3	6.48	MHF	Finish node, manhole, reference: S3		
PLR:			S4Y	Upstream Node:	S4
	ction Direct	tion:	Downstream	Downstream Node:	RWHT
•	cted Lengtl		5.69 m	Dia/Height:	150 mm
_	Length:		5.69 m	Material:	Polyethylene
No.	m+	Code	Observation		
1	0.00	СР	Start node, catchpit, reference: S4		
	1				



Section Summary

Project Date 01/05/2024 Project Number **Project Name** Wingates Bolton Unit 3

L			gates Bolton Onit 5	 	01/03/2024				
No.	m+	Code	Observation						
2	0.00	WL	Water level, 0% of the vertical dimension						
3	4.50	MCPP	Pipe material changes to polypropylene at	Pipe material changes to polypropylene at this point					
4	4.96	MCPVC	Pipe material changes to polyvinyl chloride	e at this point					
5	5.69	OCF	Finish node, other special chamber, refere	ence: RWHT					
PLR:			RWHTX	Upstream Node:	RWHT				
Inspec	tion Direct	tion:	Upstream	Downstream Node:	S4a				
Inspec	ted Lengtl	ո։	7.66 m	Dia/Height:	150 mm				
_	_ength:		7.67 m	Material:	Polyethylene				
No.	m+	Code	Observation						
1	0.00	МН	Start node, manhole, reference: S4a						
2	0.00	WL	Water level, 0% of the vertical dimension						
3	7.02	MCPVC	Pipe material changes to polyvinyl chloride	e at this point					
4	7.66	OCF	Finish node, other special chamber, refere	ence: RWHT					
PLR:			S4X	Upstream Node:	S4				
	tion Direct	ion.	Upstream	Downstream Node:	S4A				
•	ted Lengtl		12.74 m	Dia/Height:	525 mm				
_	_ength:		12.74 m	Material:	Polyethylene				
No.		Code	Observation	material.	1 diyettiylerie				
1	m+ 0.00	MH	Start node, manhole, reference: S4A						
2	0.00	WL	Water level, 0% of the vertical dimension						
		CPF	,						
3	12.74	CPF	Finish node, catchpit, reference: S4						
PLR:			S4A X	Upstream Node:	S4A				
Inspec	tion Direct	tion:	Downstream	Downstream Node:	S5				
Inspec	ted Lengtl	ո։	17.80 m	Dia/Height:	525 mm				
Total L	_ength:		17.80 m	Material:	Polyethylene				
No.	m+	Code	Observation						
1	0.00	МН	Start node, manhole, reference: S4A						
2	0.00	WL	Water level, 0% of the vertical dimension						
3	17.80	MHF	Finish node, manhole, reference: S5						
PLR:			\$5 X	Upstream Node:	S5				
	tion Direct	ion.	Downstream	Downstream Node:	S6				
	ted Lengtl		32.07 m	Dia/Height:	525 mm				
_	_ength:		32.07 m	Material:	Polyethylene				
No.	m+	Code	Observation	· · · · · · · · · · · · · · · · · · ·	,				
1	0.00	MH	Start node, manhole, reference: S5						
2	0.00	WL	Water level, 0% of the vertical dimension						
3	32.07	CPF	Finish node, catchpit, reference: S6						
PLR:			PPICX	Upstream Node:	PPIC				
	tion Direct	ion.	Upstream	Downstream Node:	S6				
-	ted Lengtl		7.04 m	Dia/Height:	150 mm				
_	.tea Lengti _ength:		7.04 m	Material:					
Total L	-engin:		7.04 III	ivialei idi.	Polyethylene				



Section Summary

Project Name	Project Number	Project Date
Wingates Bolton Unit 3		01/05/2024

		VVing	gates Bolton Unit 3		01/05/2024			
No.	m+	Code	Observation					
1	0.00	СР	Start node, catchpit, reference: S6	Start node, catchpit, reference: S6				
2	0.00	WL	Water level, 0% of the vertical dimension					
3	7.04	ICF	Finish node, inspection chamber, reference	ce: PPIC				
PLR:			S6X	Upstream Node:	S6			
•	ction Direc		Upstream 3.24 m	Downstream Node:	S8 525 mm			
	ted Lengt Length:	1.	3.24 m	Dia/Height: Material:	Polyethylene			
No.	m+	Code	Observation	material.	1 diyettiyiene			
1	0.00	MH	Start node, manhole, reference: S8					
2	0.00	WL	Water level, 0% of the vertical dimension					
3	3.24	CPF	Finish node, catchpit, reference: S6					
PLR:			SU7aX	Upstream Node:	SU7a			
	tion Direc		Upstream	Downstream Node:	\$7 			
_	ted Lengt	า:	21.28 m	Dia/Height:	150 mm			
	Length:		21.28 m	Material:	Polyethylene			
No.	m+	Code	Observation					
1	0.00	MH	Start node, manhole, reference: S7					
2	0.00	WL	Water level, 0% of the vertical dimension					
3	9.24	RPL	Point repair, localised lining at 12 o'clock					
4	21.28	GYF	Finish node, gully, reference: SU7a					
PLR:			SU7bX	Upstream Node:	SU7b			
Insped	tion Direc	tion:	Downstream	Downstream Node:	S7			
_	ted Lengt	ո։	10.07 m	Dia/Height:	150 mm			
Total I	Length:		10.07 m	Material:	Polyethylene			
No.	m+	Code	Observation					
1	0.00	GY	Start node, gully, reference: SU7b					
2	0.00	WL	Water level, 0% of the vertical dimension					
3	3.03	SC	Pipe size changes, new size(s), 225mm h	igh				
4	10.07	MHF	Finish node, manhole, reference: S7					
PLR:			S7 X	Upstream Node:	S7			
Insped	ction Direc	tion:	Downstream	Downstream Node:	INT1			
Insped	ted Lengt	ո։	2.05 m	Dia/Height:	300 mm			
Total I	Length:		2.05 m	Material:	Polyethylene			
No.	m+	Code	Observation					
1	0.00	МН	Start node, manhole, reference: S7					
2	0.00	WL	Water level, 0% of the vertical dimension					
3	1.68	MCPVC	Pipe material changes to polyvinyl chlorid	e at this point				
4	2.05	OSF	Finish node, oil separator, reference: INT	1				
PLR:			INT1X	Upstream Node:	INT1			
	tion Direc	tion:	Upstream	Downstream Node:	S8			
	ted Lengt		1.58 m	Dia/Height:	300 mm			
_	Length:		1.58 m	Material:	Polyethylene			



Section Summary

Project Date 01/05/2024 Project Number **Project Name** Wingates Bolton Unit 3

		ννιτις	gates Boiton Unit 3		01/05/2024						
No.	m+	Code	Observation								
1	0.00	МН	Start node, manhole, reference: S8								
2	0.00	WL	Water level, 0% of the vertical dimension								
3	0.28	RPL	Point repair, localised lining at 12 o'clock								
4	1.04	MCPVC	Pipe material changes to polyvinyl chloride	e at this point							
5	1.58	OSF	Finish node, oil separator, reference: INT	 1							
PLR:			\$8 X	Upstream Node:	S8						
	tion Direc		Downstream	Downstream Node: Dia/Height:	ATT1 600 mm						
Inspected Length: Total Length:			2.52 m 2.52 m	Polyethylene							
No.	m+	Code	Observation	Material:	1 diyettiyicite						
1	0.00	MH	Start node, manhole, reference: S8								
2	0.00	WL	Water level, 10% of the vertical dimension	า							
3	2.52	OCF	Finish node, other special chamber, refere								
Ë	2.02		This is those, out of openial originator, relete								
PLR:			SU11X	Upstream Node:	SU11						
•	tion Direc		Upstream	Downstream Node:	S11						
_	ted Lengtl	า:	9.18 m	Dia/Height:	150 mm						
Total L	ength:		9.18 m	m Material: Polyethylene							
No.	m+	Code	Observation								
1	0.00	МН	Start node, manhole, reference: S11	rt node, manhole, reference: S11							
2	0.00	WL	Water level, 0% of the vertical dimension								
3	7.22	D	Deformed sewer or drain, 5%								
4	7.91	RPL	Point repair, localised lining at 12 o'clock								
5	9.18	BRF	Finish node, major connection without ma	nhole, reference: SU11							
PLR:			S11X	Upstream Node:	S11						
	tion Direc	tion:	Downstream	Downstream Node:	ATT1						
-	ted Lengtl		31.98 m	Dia/Height:	150 mm						
Total L	ength:		31.98 m	Material:	Polyethylene						
No.	m+	Code	Observation								
1	0.00	МН	Start node, manhole, reference: S11								
2	0.00	WL	Water level, 0% of the vertical dimension								
3	9.23	RPL	Point repair, localised lining at 12 o'clock								
4	21.99	RPL	Point repair, localised lining at 12 o'clock								
5	31.98	OCF	Finish node, other special chamber, refere	ence: ATT1							
D. D.			ATTA V	I , N	ATT						
PLR:	tion Direc	tion:	ATT1 X Upstream	Upstream Node: Downstream Node:	ATT1 S10						
•	ted Lengtl		18.02 m	Dia/Height:	225 mm						
_	_ength:	•	18.02 m	Material:	Polyethylene						
No.	m+	Code	Observation		, ,						
1	0.00	MH	Start node, manhole, reference: S10								
2	0.00	WL	Water level, 0% of the vertical dimension								
3	18.02	OCF	Finish node, other special chamber, refere	ence: ATT1							
F											



Section Summary

Project Name	Project Number	Project Date
Wingates Bolton Unit 3		01/05/2024

				•	,		
PLR:			S10 X	Upstream Node:	S10		
Inspec	tion Direc	tion:	Downstream	Downstream Node:	S12		
Inspec	ted Lengt	h:	54.39 m	Dia/Height:	225 mm		
Total L	ength:		54.76 m	Material:	Polyethylene		
No. m+ Code			Observation				
1	0.00	МН	Start node, manhole, reference: S10				
2	0.00	WL	Water level, 0% of the vertical dimension				
3	54.39	MHF	Finish node, manhole, reference: S12				
	•						
PLR:			S12X	Upstream Node:	S12		
Inspec	tion Direc	tion:	Upstream	Downstream Node:	EXS12a		
Inspec	ted Lengt	h:	7.83 m	Dia/Height:	150 mm		
Total L	ength:		8.05 m	Material:	Polypropylene		
No.	m+	Code	Observation				
1	0.00	МН	Start node, manhole, reference: EXS12a				
2	0.00	WL	Water level, 0% of the vertical dimension				
3	3.33	MCPE	Pipe material changes to polyethylene at t	this point			
4	7.83	MHF	Finish node, manhole, reference: S12				
	1						



Section Inspection - 02/05/2024 - SVP1aX

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
1	14	02/05/24	10:32	Bolton	No Rain Or Snow	Yes	SVP1AX
Ope	rator	Veh	icle	Camera	Preset Length	Legal Status	Alternative ID
JR		Not Sp	ecified	Not Specified	Not Specified	Not Specified	1

Town or Village:	Bolton	Inspection Direction:	Upstream	Upstream Node:	SVP1A
Road:	Unit 3	Inspected Length:	24.27 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	24.27 m	Downstream Node:	F1A
Surface Type:		Joint Length:		Downstream Pipe Depth	:
Use:	Foul		Pipe Shape:	Circular	
Type of Pipe:	Gravity drain/sewer		Dia/Height:	100 mm	
Flow Control:	No flow control		Material:	Polyvinyl chloride	
Year Constructed:	Not Specified		Lining Type:	No Lining	
Inspection Purpose:	Post completion condit	ion survey	Lining Material:	No Lining	
Comments:			•		

Pagammandations:

Recon	nmendation	is:						
Scale:		Position [m]	Code	Observation		MPEG	Photo	Grade
	Depth: m F1A							
	FIA							
		0.00	МН	Start node, manhole,	reference: F1A	00:00:02		
		0.00		Start Hode, marriole,	ordronoc. 1 171	00.00.02		
		0.00	WL	Water level, 0% of the	vertical dimension	00:00:02		
		0.12	REM	General remark: Back	drop	00:00:11		
		3.54	JN	Junction at 10 o'clock	100mm dia	00:00:41		
		\ \	•			00.001		
		4.57	JN	Junction at 10 o'clock	100mm dia	00:01:20		
		7.00			400 "	00.04.50		
A		7.36	JN	Junction at 10 o'clock	100mm dia	00:01:52		
1								
		13.28	JN	Junction at 10 o'clock	100mm dia	00:02:38		
		24.27	BRF	Finish node, major co	nnection without manhole, reference:	00:03:28		
		_		SVP1a				
	SVD4a							
	SVP1a Depth: m							
		Construction	Features		Miscellaneou	s Features		
		Structural			Service & Operatio		ons	

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 0.0 0.0 0.0 0.0 0.0 0

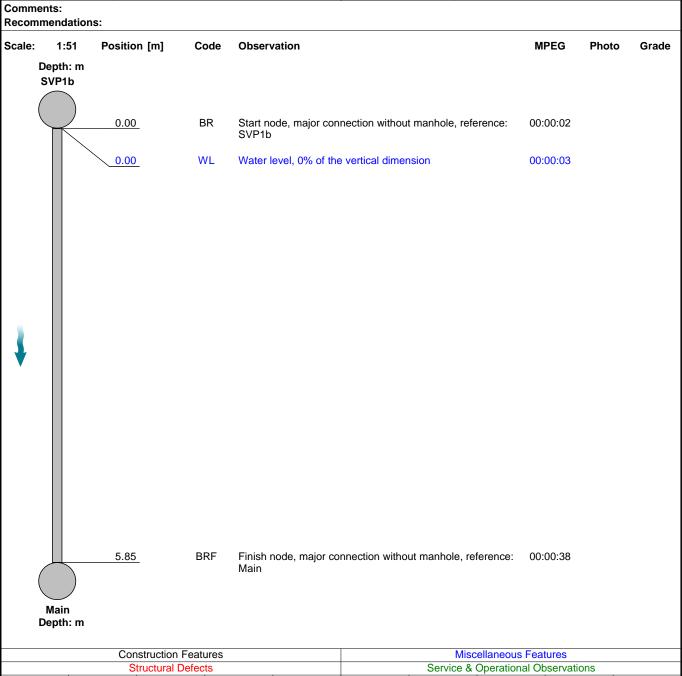


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Section Inspection - 01/05/2024 - SVP1bX

				•			
Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
3	1	01/05/24	9:16	Bolton	No Rain Or Snow	Yes	SVP1BX
Ope	rator	Veh	icle	Camera	Preset Length	Legal Status	Alternative ID
JR		Not Sp	ecified	Not Specified	Not Specified	Not Specified	1

SVP1B Town or Village: Inspection Direction: Downstream **Bolton Upstream Node:** Road: Unit 3 Inspected Length: 5.85 m Upstream Pipe Depth: Property or buildings Location: 5.85 m **Total Length: Downstream Node:** MAIN Surface Type: Joint Length: **Downstream Pipe Depth:** Pipe Shape: Use: Foul Circular Type of Pipe: Gravity drain/sewer Dia/Height: 100 mm Flow Control: No flow control Material: Polyvinyl chloride Year Constructed: Not Specified **Lining Type:** No Lining Inspection Purpose: **Lining Material:** Post completion condition survey No Lining



STR Peak STR Mean STR Total STR Grade SER No. Def SER Peak SER Mean SER Total **SER Grade** STR No. Def 0.0 0.0 0.0 0.0 0 0.0 0.0 0.0 0.0 Wingates Bolton Unit 3 2



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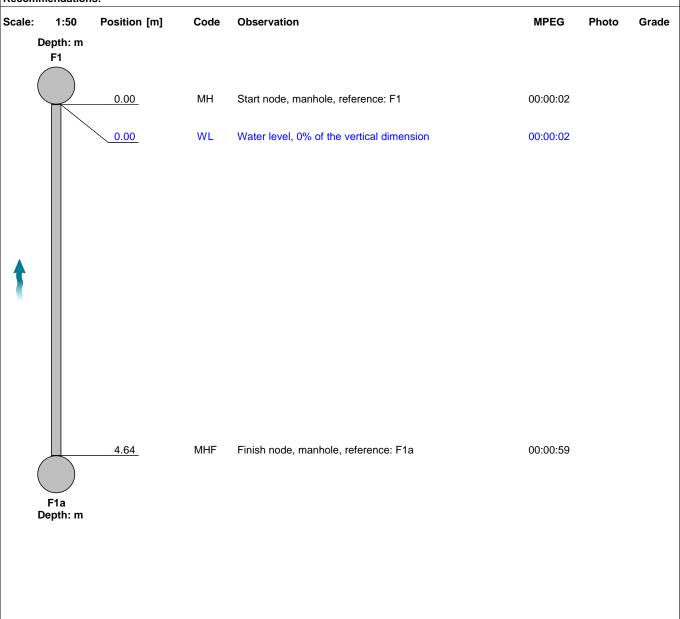
Section Inspection - 01/05/2024 - F1aX

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
4	2	01/05/24	9:58	Bolton	No Rain Or Snow	Yes	F1AX
Ope	Operator		icle	Camera	Preset Length	Legal Status	Alternative ID
JR		Not Sp	ecified	Not Specified	Not Specified	Not Specified	1

Bolton	Inspection Direction:	Upstream	Upstream Node:	F1A
Unit 3	Inspected Length:	4.64 m	Upstream Pipe Depth:	
Property or buildings	Total Length:	4.64 m	Downstream Node:	F1
	Joint Length:		Downstream Pipe Depth	:
Foul		Pipe Shape:	Circular	
Gravity drain/sewer		Dia/Height:	100 mm	
No flow control		Material:	Polyvinyl chloride	
Not Specified		Lining Type:	No Lining	
Post completion condit	ion survey	Lining Material:	No Lining	
	Unit 3 Property or buildings Foul Gravity drain/sewer No flow control Not Specified	Unit 3 Property or buildings Foul Gravity drain/sewer No flow control Not Specified	Unit 3 Property or buildings Total Length: Joint Length: Foul Gravity drain/sewer No flow control Not Specified Inspected Length: 4.64 m 4.64 m Pipe Shape: Dia/Height: Material: Lining Type:	Unit 3 Property or buildings Total Length: Joint Length: Foul Gravity drain/sewer No flow control Not Specified Inspected Length: 4.64 m Downstream Pipe Depth: Downstream Pipe Depth Downstream Pi

Comments:

Recommendations:



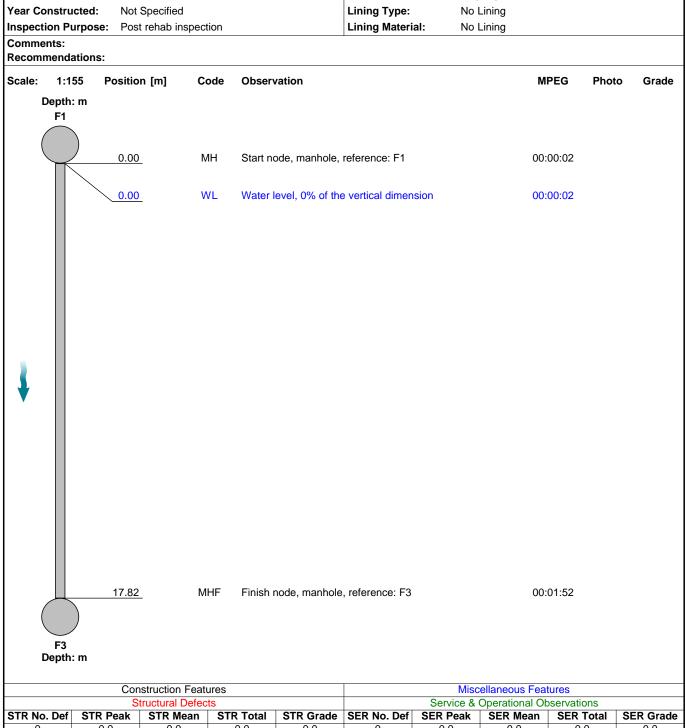
	Con	struction Feat	ures		Miscellaneous Features				
	S	tructural Defec	ts		Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0 0.0 0.0 0.0 0.0					0.0	0.0	0.0	0.0



Section Inspection - 09/05/2024 - F1X

				-			
Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
5	2	09/05/24	10:28	Wingates Bolton	No Rain Or Snow	Yes	F1X
Ope	rator	Veh	icle	Camera	Preset Length	Legal Status	Alternative ID
S	SC .	Not Sp	ecified	Not Specified	Not Specified	Not Specified	1

Town or Village:	Bolton	Inspection Direction:	Downstream	Upstream Node:	F1
Road:	Unit 3	Inspected Length:	17.82 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	17.82 m	Downstream Node:	F3
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Foul		Pipe Shape:	Circular	
Type of Pipe:	Gravity drain/sewer		Dia/Height:	150 mm	
Flow Control:	No flow control		Material:	Polyvinyl chloride	
Year Constructed:	Not Specified		Lining Type:	No Lining	
Inspection Purpose:	Post rehab inspection		Lining Material:	No Lining	



	Con	struction Feat	ures		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	
0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0	

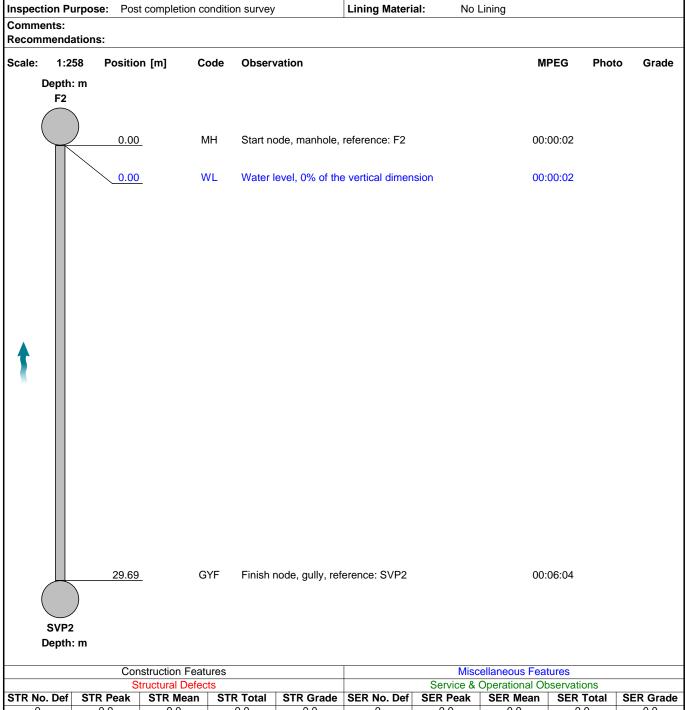


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Section Inspection - 01/05/2024 - SVP2X

				=			
Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
7	3	01/05/24	10:10	Bolton	No Rain Or Snow	Yes	SVP2X
Ope	Operator Vehicle		Camera	Preset Length	Legal Status	Alternative ID	
J	IR .	Not Sp	ecified	Not Specified	Not Specified	Not Specified	1

Town or Village: Upstream Node: Inspection Direction: Upstream SVP2 **Bolton** Road: Unit 3 Inspected Length: 29.69 m Upstream Pipe Depth: Location: Property or buildings **Total Length:** 29.69 m F2 **Downstream Node:** Surface Type: Joint Length: **Downstream Pipe Depth:** Pipe Shape: Use: Foul Circular Type of Pipe: Gravity drain/sewer Dia/Height: 100 mm Flow Control: No flow control Material: Polyvinyl chloride Year Constructed: Not Specified **Lining Type:** No Lining Inspection Purpose: **Lining Material:** Post completion condition survey No Lining Comments:



0.0 0.0 0.0 0.0 0 0.0 0.0 0.0 0.0

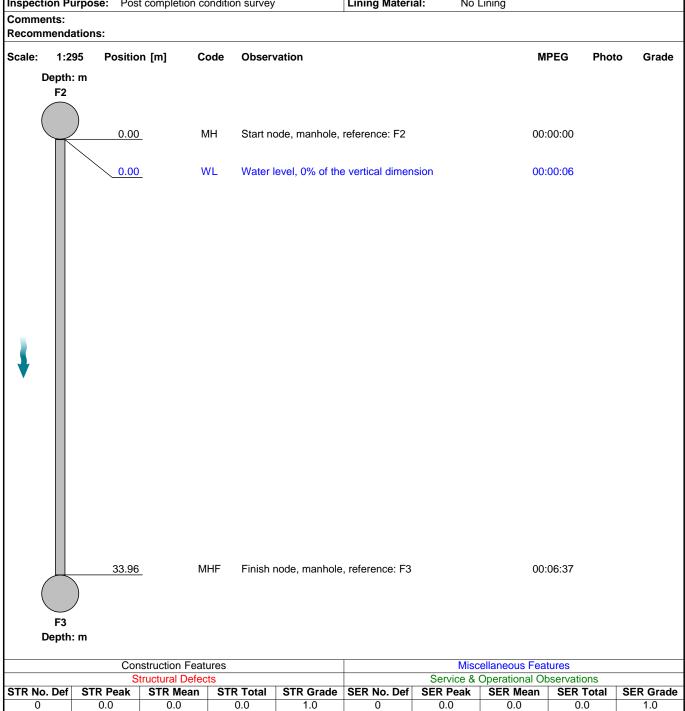


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Section Inspection - 10/06/2024 - F2X

				•			
Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
9	1	10/06/24	13:50	Unit 3	No Rain Or Snow	Yes	F2X
Ope	rator	or Vehicle		Vehicle Camera		Legal Status	Alternative ID
JR Merc		erc	Crawler	Not Specified	Private Sewer	Not Specified	

Town or Village:	Bolton	Inspection Direction:	Downstream	Upstream Node:	F2
Road:	Unit 3	Inspected Length:	33.96 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	33.96 m	Downstream Node:	F3
Surface Type:		Joint Length:		Downstream Pipe Depth	n:
Use:	Foul		Pipe Shape:	Circular	
Type of Pipe:	Gravity drain/sewer		Dia/Height:	100 mm	
Flow Control:	No flow control		Material:	Polyvinyl chloride	
Year Constructed:	Not Specified		Lining Type:	No Lining	
Inspection Purpose:	Post completion condit	tion survey	Lining Material:	No Lining	
Comments:			1		
Dagammandations.					



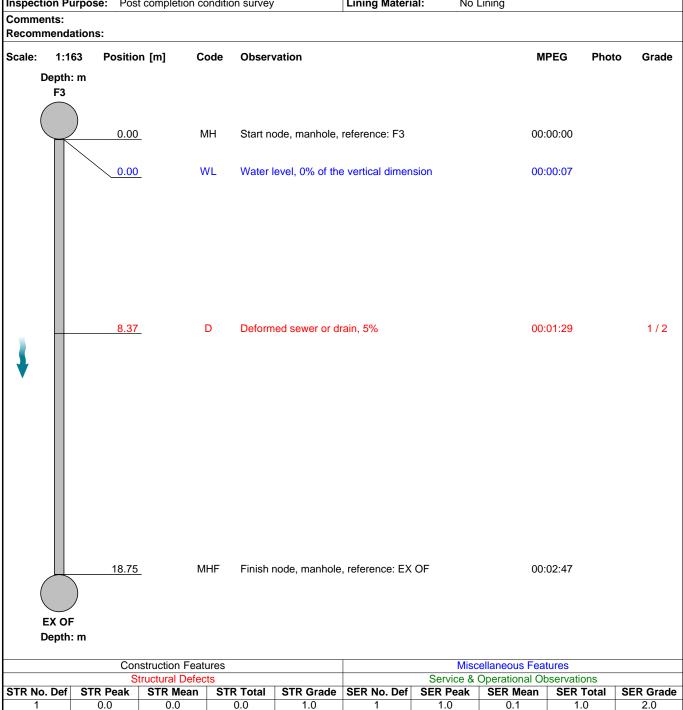


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Section Inspection - 01/05/2024 - F3X

				-			
Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
10	1	01/05/24	12:16	Unit 3	No Rain Or Snow	Yes	F3X
Ope	Operator Vehicle		Camera	Preset Length	Legal Status	Alternative ID	
J	JR Merc		Crawler	Not Specified	Private Sewer	Not Specified	

Town or Village: Inspection Direction: Downstream F3 **Bolton Upstream Node:** Road: Unit 3 Inspected Length: 18.75 m Upstream Pipe Depth: Location: Property or buildings **Total Length:** 18.75 m EX OF **Downstream Node:** Surface Type: Joint Length: **Downstream Pipe Depth:** Pipe Shape: Use: Foul Circular Type of Pipe: Gravity drain/sewer Dia/Height: 150 mm Flow Control: No flow control Material: Polyvinyl chloride Year Constructed: Not Specified **Lining Type:** No Lining Inspection Purpose: **Lining Material:** Post completion condition survey No Lining Comments:





Section Inspection - 14/06/2024 - SU1X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
12	13	14/06/24	15:51	Bolton	No Rain Or Snow	Yes	SU1X
Ope	Operator Vehicle		Camera	Preset Length	Legal Status	Alternative ID	
J	IR	Not Sp	ecified	Not Specified	Not Specified	Not Specified	1

Town or Village:	Bolton	Inspection Direction:	Upstream	Upstream Node:	SU1
Road:	Unit 3	Inspected Length:	0.64 m	Upstream Pipe Depth:	
Location:	Property or buildings Total Length: 5		5.67 m	Downstream Node:	S1
Surface Type:		Joint Length:		Downstream Pipe Depth	:
Use:	Surface water		Pipe Shape:	Circular	
Type of Pipe:	Gravity drain/sewer		Dia/Height:	150 mm	
Flow Control:	No flow control		Material:	Polyethylene	
Year Constructed:	Not Specified		Lining Type:	No Lining	
Inspection Purpose:	Post completion condition survey		Lining Material:	No Lining	
Comments:	Fost completion condit	lion Survey	Lining waterial:	NO LITHING	

Flow Control:	NO HOW CONTRO	וע		wateriai:	Polyethylene			
Year Constructed				Lining Type:	No Lining			
Inspection Purpos	se: Post completion	on conditio	n survey	Lining Material:	No Lining			
Comments: Recommendation	s:							
Scale: 1:50	Position [m]	Code	Observation			MPEG	Photo	Grade
Depth: m								
	0.00	МН	Start node, manhole,	reference: S1		00:00:00		
	0.00	WL	Water level, 0% of the	e vertical dimension		00:00:07		
	0.64	BRF	Finish node, major co SU1: Capped Off Not	nnection without manh In Use	ole, reference:	00:00:11	SU1X_fe6 1c4cf-4d9 4-4bfc-812	
1								
SU1								
Depth: m								
	Construction	Features			Miscellaneous	Features		

	Cor	struction Feat	ures		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	
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0	



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Section Pictures - 14/06/2024 - SU1X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
12	Upstream	SU1X	Bolton	Unit 3



SU1X_fe61c4cf-4d94-4bfc-8120-d5a6b231868b_20240614_1 70410_886.jpg, 00:00:11, 0.64 m Finish node, major connection without manhole, reference: SU1, Capped Off Not In Use



Section Inspection - 01/05/2024 - PSRWP1X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
13	7	01/05/24	14:30	Bolton	No Rain Or Snow	Yes	PSRWP1X
Ope	rator	Veh	icle	Camera	Preset Length	Legal Status	Alternative ID
S	SC .	Not Sp	ecified	Not Specified	Not Specified	Not Specified	1

Town or Village:	Bolton	Inspection Direction:	Upstream	Upstream Node:	PSRWP1
Road:	Unit 3	Inspected Length:	1.96 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	1.96 m	Downstream Node:	S1
Surface Type:		Joint Length:		Downstream Pipe Depth	:
Use:	Surface water		Pipe Shape:	Circular	
Type of Pipe:	Gravity drain/sewer		Dia/Height:	75 mm	
Flow Control:	No flow control		Material:	Polypropylene	
Year Constructed:	Not Specified		Lining Type:	No Lining	
Inspection Purpose:	Post completion condit	ion survey	Lining Material:	No Lining	
Comments:			•		

Recommendations:

Sca	ıle:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
		Depth: m						
		S1						
			0.00	МН	Start node, manhole, reference: S1	00:00:02		
١.			0.00	WL	Water level, 0% of the vertical dimension	00:00:02		
			1.96	BRF	Finish node, major connection without manhole, reference: PSRWP1	00:00:17		
		PSRWP1						
		Depth: m						

		Con	struction Feat	ures			Misc	ellaneous Feat	tures	
		S	tructural Defec	ts		Service & Operational Observations				
STR	No. Def	STR Peak	STR Mean	STR Total	STR Grade	e SER No. Def SER Peak SER Mean SER Total SER G				
	0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0



Section Inspection - 01/05/2024 - SSRWP1X

Item No.	No. Insp. No. Date Time		Client`s Job Ref	Weather	Pre Cleaned	PLR	
14	8	01/05/24	14:48	Bolton	No Rain Or Snow	Yes	SSRWP1X
Ope	rator	Veh	icle	Camera	Preset Length	Legal Status	Alternative ID
8	SC .	Not Sp	ecified	Not Specified	Not Specified	Not Specified	1

Property or buildings	Inspected Length: Total Length: Joint Length:	1.41 m 1.41 m	Upstream Pipe Depth: Downstream Node: Downstream Pipe Depth:	S1
. , ,	_	1.41 m		_
	Joint Length:		Downstream Pipe Depth:	
Surface water		Pipe Shape:	Circular	
Gravity drain/sewer		Dia/Height:	75 mm	
lo flow control		Material:	Polypropylene	
lot Specified		Lining Type:	No Lining	
ost completion condition	on survey	Lining Material:	No Lining	
10	ravity drain/sewer o flow control ot Specified	ravity drain/sewer o flow control	ravity drain/sewer of flow control ot Specified Dia/Height: Material: Lining Type:	ravity drain/sewer b flow control c Specified Dia/Height: 75 mm Material: Polypropylene Lining Type: No Lining

Recommendations:

Scale	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
	Depth: m S1						
		0.00	МН	Start node, manhole, reference: S1	00:00:02		
A		0.00	WL	Water level, 5% of the vertical dimension	00:00:03		
		1.41_	BRF	Finish node, major connection without manhole, reference: SSRWP1	00:00:14		
	SSRWP1 Depth: m						

	Con	struction Feat	ures			Misc	ellaneous Feat	tures	
Structural Defects Service & Operational Observations									
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	e SER No. Def SER Peak SER Mean SER Total S				
0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0

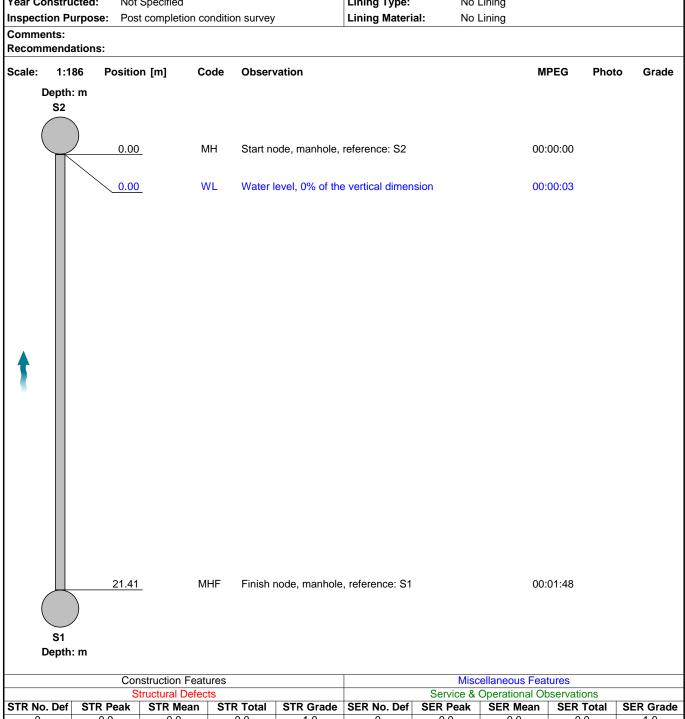


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Section Inspection - 01/05/2024 - S1 X

				-			
Item No. Insp. No.		Date Time		Client`s Job Ref	Weather	Pre Cleaned	PLR
15	1	01/05/24	14:51	Unit 3	No Rain Or Snow	Yes	S1 X
Operator		Veh	icle	Camera	Preset Length	Legal Status	Alternative ID
JR		Me	erc	Crawler	Not Specified	Private Sewer	Not Specified

Town or Village: Inspection Direction: Upstream S1 **Bolton Upstream Node:** Road: Unit 3 Inspected Length: 21.41 m Upstream Pipe Depth: Location: Property or buildings **Total Length:** 21.41 m **Downstream Node:** S2 Surface Type: Joint Length: **Downstream Pipe Depth:** Pipe Shape: Use: Foul Circular Type of Pipe: Gravity drain/sewer Dia/Height: 300 mm Flow Control: No flow control Material: Polyethylene Year Constructed: Not Specified **Lining Type:** No Lining Inspection Purpose: **Lining Material:** Post completion condition survey No Lining Comments:



0.0 0.0 0.0 1.0 0 0.0 0.0 0.0 1.0



Section Inspection - 01/05/2024 - PSRWP2X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
16 6		01/05/24	14:19	Bolton	No Rain Or Snow	Yes	PSRWP2X
Ope	rator	Veh	icle	Camera	Preset Length	Legal Status	Alternative ID
SC		Not Sp	ecified	Not Specified	Not Specified	Not Specified	1

Bolton	Inspection Direction:	Upstream	Upstream Node:	PSRWP2
Road: Unit 3		2.08 m	Upstream Pipe Depth:	
Location: Property or buildings T		2.08 m	Downstream Node:	S2
Surface Type:			Downstream Pipe Depth	n:
Surface water		Pipe Shape:	Circular	
Gravity drain/sewer		Dia/Height:	150 mm	
No flow control		Material:	Polypropylene	
Not Specified		Lining Type:	No Lining	
nspection Purpose: Post completion condition survey		Lining Material:	No Lining	
	Unit 3 Property or buildings Surface water Gravity drain/sewer No flow control Not Specified	Unit 3 Property or buildings Surface water Gravity drain/sewer No flow control Not Specified	Unit 3 Property or buildings Total Length: Joint Length: Surface water Gravity drain/sewer No flow control Not Specified Inspected Length: 2.08 m 2.08 m Pipe Shape: Dia/Height: Material: Lining Type:	Unit 3 Property or buildings Total Length: Joint Length: Surface water Gravity drain/sewer No flow control Not Specified Inspected Length: 2.08 m Downstream Node: Downstream Pipe Depth Circular Dia/Height: 150 mm Material: Polypropylene No Lining Type: No Lining

Recommendations:

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
	Depth: m						
	S2						
		0.00	МН	Start node, manhole, reference: S2	00:00:02		
		0.00	WL	Water level, 10% of the vertical dimension	00:00:02		
		0.58	sc	Pipe size changes, new size(s), 100mm high	00:00:12		
		1.86	SC	Pipe size changes, new size(s), 75mm high	00:00:24		
		2.08	BRF	Finish node, major connection without manhole, reference: PSRWP2	00:00:27		
	PSRWP2 Depth: m						

	Con	struction Feat	ures			Misc	ellaneous Feat	tures	
	S	tructural Defec	ts		Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	e SER No. Def SER Peak SER Mean SER Total SER C				
0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0



Section Inspection - 01/05/2024 - SSRWP2X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
17 9		01/05/24	14:53	Bolton	No Rain Or Snow	Yes	SSRWP2X
Operator		Veh	icle	Camera	Preset Length	Legal Status	Alternative ID
SC		Not Sp	ecified	Not Specified	Not Specified	Not Specified	1

Unit 3			Upstream Node:	SSRWP2
JIIILO	Inspected Length:	1.85 m	Upstream Pipe Depth:	
Property or buildings	Total Length:	1.85 m	Downstream Node:	S2
	Joint Length:		Downstream Pipe Depth:	
Surface water		Pipe Shape:	Circular	
Gravity drain/sewer		Dia/Height:	150 mm	
No flow control		Material:	Polypropylene	
Not Specified		Lining Type:	No Lining	
Post completion condition	on survey	Lining Material:	No Lining	
2	Surface water Gravity drain/sewer No flow control Not Specified	Joint Length: Surface water Gravity drain/sewer No flow control	Joint Length: Surface water Gravity drain/sewer No flow control Not Specified Pipe Shape: Dia/Height: Material: Lining Type:	Joint Length: Burface water Gravity drain/sewer No flow control Not Specified Downstream Pipe Depth: Circular 150 mm Material: Polypropylene No Lining No Lining

Recommendations:

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
	Depth: m						
	S2						
		0.00	МН	Start node, manhole, reference: S2	00:00:02		
		0.00	WL	Water level, 5% of the vertical dimension	00:00:02		
T		0.39	SC	Pipe size changes, new size(s), 100mm high	00:00:05		
		1.56	SC	Pipe size changes, new size(s), 75mm high	00:00:11		
		1.85	BRF	Finish node, major connection without manhole, reference: SSRWP2	00:00:13		
	SSRWP2 Depth: m						

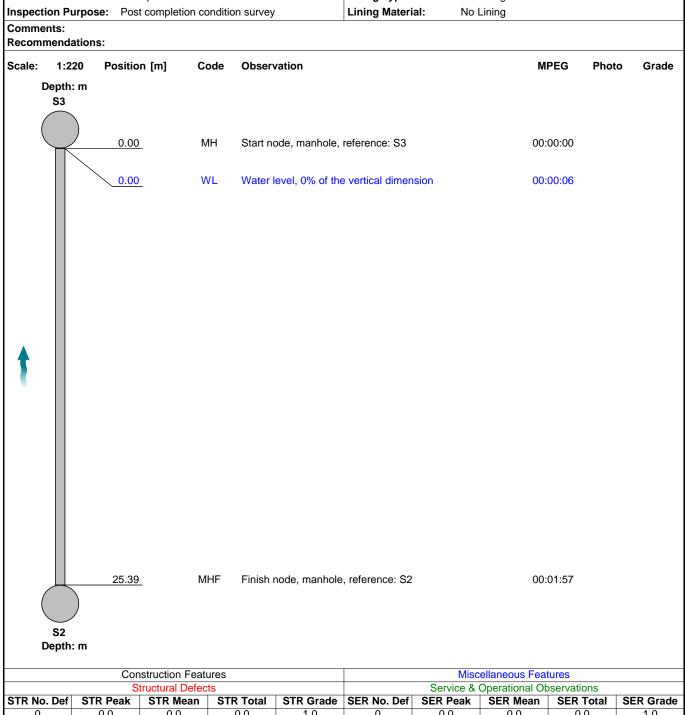
Construction Features						Miscellaneous Features					
	Structural Defects						Service & Operational Observations				
STR	STR No. Def STR Peak STR Mean STR Total STR Grad						SER Peak	SER Mean	SER Total	SER Grade	
0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0								0.0			



Section Inspection - 01/05/2024 - S2 X

				_			
Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
18	1	01/05/24	14:47	Unit 3	No Rain Or Snow	Yes	S2 X
Ope	rator	Veh	icle	Camera	Preset Length	Legal Status	Alternative ID
JR		Me	erc	Crawler	Not Specified	Private Sewer	Not Specified

Town or Village:	Bolton	Inspection Direction:	Upstream	Upstream Node:	S2
Road:	Unit 3	Inspected Length:	25.39 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	25.39 m	Downstream Node:	S3
Surface Type:		Joint Length:		Downstream Pipe Depth	n:
Use:	Foul		Pipe Shape:	Circular	
Type of Pipe:	Gravity drain/sewer		Dia/Height:	450 mm	
Flow Control:	No flow control		Material:	Polyethylene	
Year Constructed:	Not Specified		Lining Type:	No Lining	
Inspection Purpose:	Post completion condit	ion survey	Lining Material:	No Lining	
Comments:			1		



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		St	tructural Defec	ts			Service & (Operational Ob	servations	
STR No. Def STR Peak STR Mean STR Total STR Grade SER No. Def SER Peak SER Mean SER Total SE							SER Grade			
	0 0.0 0.0 0.0 1.0 0 0.0 0.0 0.0								1.0	



Section Inspection - 01/05/2024 - PSRWP3X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
19	4	01/05/24	14:15	Bolton	No Rain Or Snow	Yes	PSRWP3X
Ope	rator	Veh	icle	Camera	Preset Length	Legal Status	Alternative ID
SC		Not Sp	ecified	Not Specified	Not Specified	Not Specified	1

Town or Village:	Bolton	Inspection Direction:	Upstream	Upstream Node:	PSRWP3
Road:	Unit 3	Inspected Length:	2.15 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	2.15 m	Downstream Node:	S3
Surface Type:		Joint Length:		Downstream Pipe Depth	:
Use:	Surface water		Pipe Shape:	Circular	
Type of Pipe:	Gravity drain/sewer		Dia/Height:	75 mm	
Flow Control:	No flow control		Material:	Polypropylene	
Year Constructed:	Not Specified		Lining Type:	No Lining	
Inspection Purpose:	Post completion condit	tion survey	Lining Material:	No Lining	
Comments:			•		

Recommendations:

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
	Depth: m S3						
		0.00	МН	Start node, manhole, reference: S3	00:00:02		
		0.00	WL	Water level, 10% of the vertical dimension	00:00:02		
1							
	PSRWP3 Depth: m	2.15	BRF	Finish node, major connection without manhole, reference: PSRWP3	00:00:16		

- 1										
ı		Con	struction Feat	ures		Miscellaneous Features				
ſ		St	tructural Defec	ts			Service & (Operational Ob	servations	
ĺ	STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
Ī	0	0.0	0.0	0.0 0.0 0.0 0.0 0.0 0.0 0.0						



Section Inspection - 01/05/2024 - SSRWP3X

				-			
Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
20	5	01/05/24	14:18	Bolton	No Rain Or Snow	Yes	SSRWP3X
Ope	rator	Veh	icle	Camera	Preset Length	Legal Status	Alternative ID
8	SC .	Not Sp	ecified	Not Specified	Not Specified	Not Specified	1

Town or Village:	Bolton	Inspection Direction:	Upstream	Upstream Node:	SSRWP3
Road:	Unit 3	Inspected Length:	1.28 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	1.28 m	Downstream Node:	S3
Surface Type:		Joint Length:		Downstream Pipe Dept	h:
Use:	Surface water		Pipe Shape:	Circular	
Type of Pipe:	Gravity drain/sewer		Dia/Height:	75 mm	
Flow Control:	No flow control		Material:	Polypropylene	
Year Constructed:	Not Specified		Lining Type:	No Lining	
Inspection Purpose:	Post completion condit	ion survey	Lining Material:	No Lining	
Inspection Purpose:	Post completion condit	ion survey	Lining Material:	No Lining	

Recommendations:

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
	Depth: m S3						
	33						
		0.00	МН	Start node, manhole, reference: S3	00:00:02		
•		0.00	WL	Water level, 0% of the vertical dimension	00:00:03		
*		1.28	BRF	Finish node, major connection without manhole, reference: SSRWP3	00:00:22		
	SSRWP3 Depth: m						

	Con	struction Feat	ures		Miscellaneous Features					
	S	tructural Defec	ts		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	
0	0.0	0.0	0.0	0.0	0.0 0 0.0 0.0 0.0					

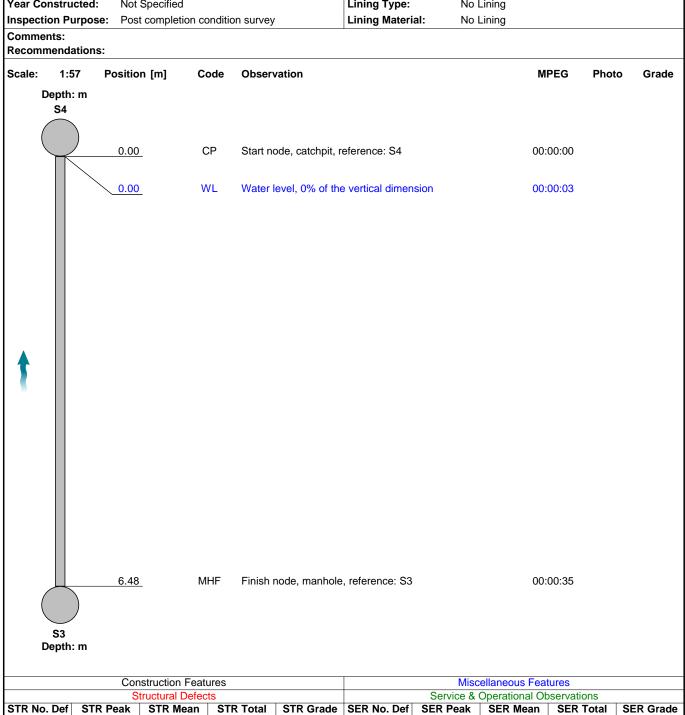


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Section Inspection - 01/05/2024 - S3 X

				-				
Item No.	em No. Insp. No. Date Time		Time	Client's Job Ref Weather		Pre Cleaned	PLR	
21	1	01/05/24	15:00	Unit 3	No Rain Or Snow	Yes	S3 X	
Ope	rator	Veh	icle	Camera	Preset Length	Legal Status	Alternative ID	
JR		Me	erc	Crawler	Not Specified	Private Sewer	Not Specified	

Town or Village: Bolton Inspection Direction: Upstream **Upstream Node:** S3 Road: Unit 3 **Upstream Pipe Depth:** Inspected Length: 6.48 m Location: Property or buildings **Total Length:** 6.48 m **Downstream Node:** S4 Surface Type: Joint Length: **Downstream Pipe Depth:** Pipe Shape: Use: Foul Circular Type of Pipe: Gravity drain/sewer Dia/Height: 525 mm Flow Control: Material: No flow control Polyethylene Year Constructed: Not Specified Lining Type: No Lining Post completion condition survey **Lining Material:** No Lining



	Cor	struction Feat	ures		Miscellaneous Features						
	S	tructural Defec	ts		Service & Operational Observations						
STR No. De	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 0.0						



Section Inspection - 01/05/2024 - S4Y

				-			
Item No.	tem No. Insp. No. Date Time		Client's Job Ref	Weather	Pre Cleaned	PLR	
22	3	01/05/24	14:08	Bolton	No Rain Or Snow	Yes	S4Y
Ope	rator	Veh	icle	Camera	Preset Length	Legal Status	Alternative ID
SC		Not Sp	ecified	Not Specified	Not Specified	Not Specified	1

Town or Village:	Bolton	Inspection Direction:	Downstream	Upstream Node:	S4	
Road:	Unit 3	Inspected Length:	5.69 m	Upstream Pipe Depth:		
Location:	Property or buildings	Total Length:	5.69 m	Downstream Node:	RWHT	
Surface Type:		Joint Length:		Downstream Pipe Deptl	າ:	
Use:	Surface water		Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer		Dia/Height:	150 mm		
Flow Control:	No flow control		Material:	Polyethylene		
Year Constructed:	Not Specified		Lining Type:	No Lining		
Inspection Purpose:	Post completion condit	ion survey	Lining Material:	No Lining		
Comments:			•			

Recommendations:

cale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
	oth: m						
		0.00	СР	Start node, catchpit, reference: S4	00:00:03		
		0.00	WL	Water level, 0% of the vertical dimension	00:00:03		
•							
		4.50	MCPP	Pipe material changes to polypropylene at this point	00:00:49		
		4.96	MCPVC	Pipe material changes to polyvinyl chloride at this point	00:00:55		
		5.69	OCF	Finish node, other special chamber, reference: RWHT: Tank	00:01:05		
RV	VHT oth: m						

	Con	struction Feat	ures		Miscellaneous Features					
	S	tructural Defec	ts		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	
0	0.0	0.0	0.0	0.0	0 0.0 0.0 0.0					

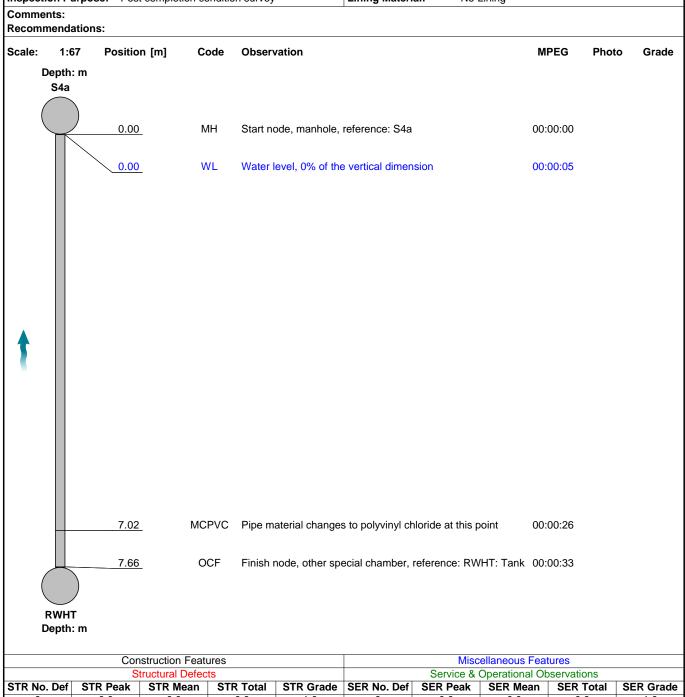


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Section Inspection - 14/06/2024 - RWHTX

				-			
Item No.	em No. Insp. No. Date Time		Client`s Job Ref Weather		Pre Cleaned	PLR	
23	10	14/06/24	15:51	Bolton	No Rain Or Snow	Yes	RWHTX
Ope	rator	Veh	icle	Camera	Preset Length	Legal Status	Alternative ID
J	JR		ecified	Not Specified	Not Specified	Not Specified	1

Town or Village:	Bolton	Inspection Direction:	Upstream	Upstream Node:	RWHT
Road:	Unit 3	Inspected Length:	7.66 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	7.67 m	Downstream Node:	S4A
Surface Type:		Joint Length:		Downstream Pipe Dept	h:
Use:	Surface water		Pipe Shape:	Circular	
Type of Pipe:	Gravity drain/sewer		Dia/Height:	150 mm	
Flow Control:	No flow control		Material:	Polyethylene	
Year Constructed:	Not Specified		Lining Type:	No Lining	
Inspection Purpose: Post completion condition survey			Lining Material:	No Lining	
Comments:			-		



	Cor	struction Feat	ures		Miscellaneous Features						
	S	tructural Defec	ts		Service & Operational Observations						
STR No. De	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 0.0						

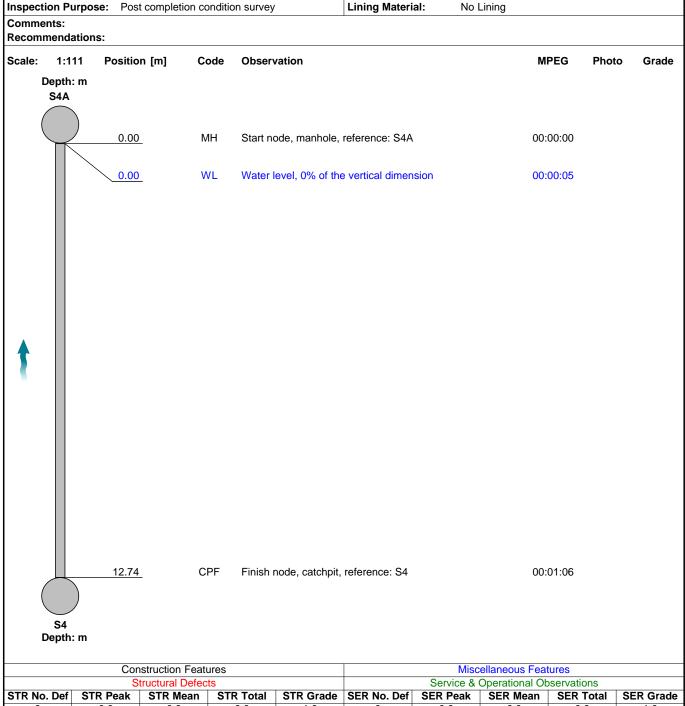


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Section Inspection - 01/05/2024 - S4X

				•			
Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
24	1	01/05/24	17:04	Unit 3	No Rain Or Snow	Yes	S4X
Ope	rator	Veh	icle	Camera	Preset Length	Legal Status	Alternative ID
J	R	Me	erc	Crawler	Not Specified	Private Sewer	Not Specified

Town or Village:	Bolton	Inspection Direction:	Upstream	Upstream Node:	S4
Road:	Unit 3	Inspected Length:	12.74 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	12.74 m	Downstream Node:	S4A
Surface Type:	Joint Length:		Downstream Pipe Deptl	n:	
Use:	Surface water		Pipe Shape:	Circular	
Type of Pipe:	Gravity drain/sewer		Dia/Height:	525 mm	
Flow Control:	No flow control		Material:	Polyethylene	
Year Constructed:	Not Specified		Lining Type:	No Lining	
Inspection Purpose:	Post completion condition survey		Lining Material:	No Lining	
Comments:			1		



0 0.0 0.0 0.0 1.0 0 0.0 0.0 1.0 Unit 3

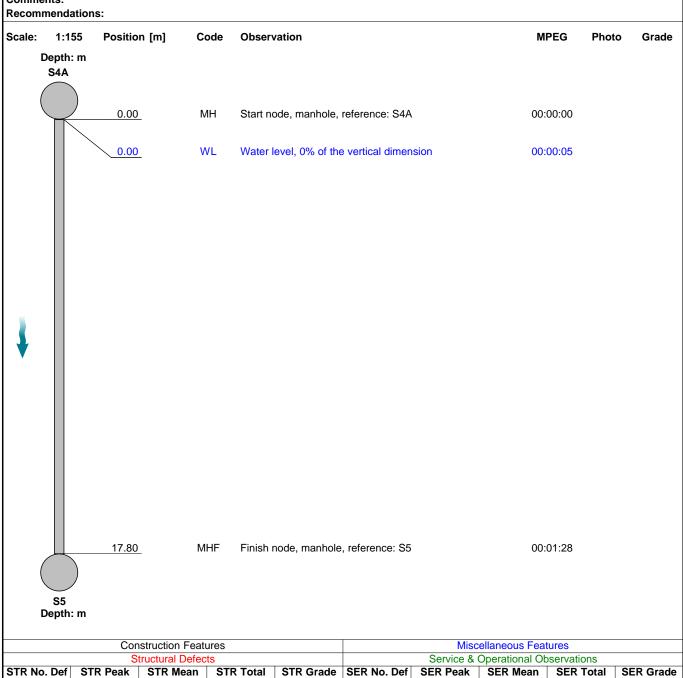


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Section Inspection - 01/05/2024 - S4A X

				-			
Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
25	1	01/05/24	17:12	Unit 3	No Rain Or Snow	Yes	S4A X
Ope	Operator		icle	Camera	Preset Length	Legal Status	Alternative ID
JR		Merc		Crawler	Not Specified	Private Sewer	Not Specified

Town or Village:	Bolton	Inspection Direction:	Downstream	Upstream Node:	S4A	
Road:	Unit 3	Inspected Length:	17.80 m	Upstream Pipe Depth:		
Location:	Property or buildings	Total Length:	17.80 m	Downstream Node:	S5	
Surface Type: Joint Length:				Downstream Pipe Depth:		
Use:	Surface water		Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer		Dia/Height:	525 mm		
Flow Control:	No flow control		Material:	Polyethylene		
Year Constructed:	Not Specified		Lining Type:	No Lining		
Inspection Purpose:	Post completion condition survey		Lining Material:	No Lining		
Comments:						



Wingates Bolton Unit 3 22

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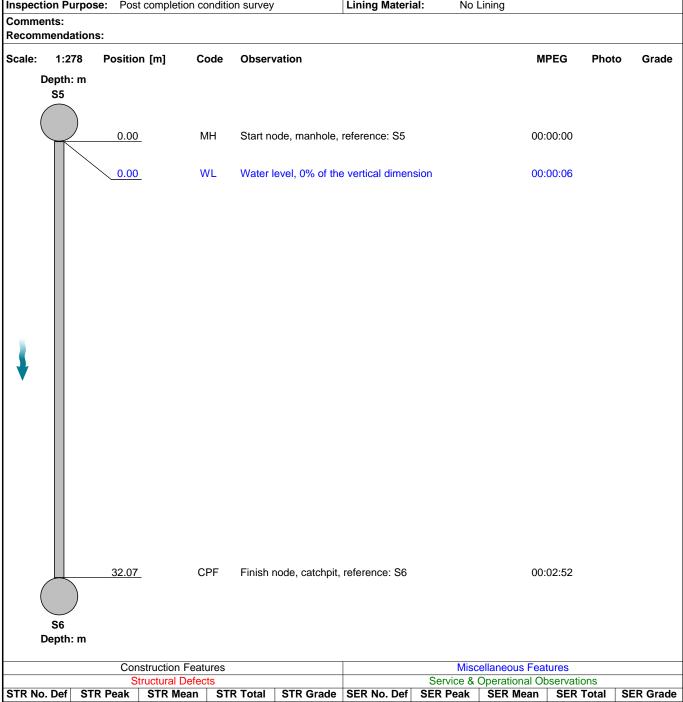


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Section Inspection - 01/05/2024 - S5 X

				-			
Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
26	1	01/05/24	17:28	Unit 3	No Rain Or Snow	Yes	S5 X
Ope	rator	Veh	icle	Camera	Preset Length	Legal Status	Alternative ID
J	R	Me	erc	Crawler	Not Specified	Private Sewer	Not Specified

Town or Village:	Bolton	Inspection Direction:	Downstream	Upstream Node:	S5
Road:	Unit 3	Inspected Length:	32.07 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	32.07 m	Downstream Node:	S6
Surface Type: Joint Length:				Downstream Pipe Dept	n:
Use:	Surface water		Pipe Shape:	Circular	
Type of Pipe:	Gravity drain/sewer		Dia/Height:	525 mm	
Flow Control:	No flow control		Material:	Polyethylene	
Year Constructed:	Not Specified		Lining Type:	No Lining	
Inspection Purpose:	Post completion condition survey		Lining Material:	No Lining	
Comments:			1		



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Section Inspection - 01/05/2024 - PPICX

				=			
Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
27	12	01/05/24	15:45	Bolton	No Rain Or Snow	Yes	PPICX
Ope	rator	Veh	icle	Camera	Preset Length	Legal Status	Alternative ID
l J	JR .	Not Sp	ecified	Not Specified	Not Specified	Not Specified	1

Town or Village:	Bolton	Inspection Direction:	Upstream	Upstream Node:	PPIC	
Road:	Unit 3	Inspected Length:	7.04 m	Upstream Pipe Depth:		
Location:	Property or buildings	Total Length:	7.04 m	Downstream Node:	S6	
Surface Type: Joint Length:				Downstream Pipe Depth:		
Use:	Surface water		Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer		Dia/Height:	150 mm		
Flow Control:	No flow control		Material:	Polyethylene		
Year Constructed:	Not Specified		Lining Type:	No Lining		
Inspection Purpose:	Post completion condition survey		Lining Material:	No Lining		
Comments:			•			



	Con	struction Feat	ures			Misc	ellaneous Feat	tures		
	S	tructural Defec	ts		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	
0	0.0	0.0	0.0	0.0	0	0 0.0 0.0 0.0 0.0				



Section Inspection - 01/05/2024 - S6X

				-			
Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
28	1	01/05/24	16:07	Unit 3	Not Specified	Not Specified	S6X
Ope	rator	Veh	icle	Camera	Preset Length	Legal Status	Alternative ID
Not Sp	pecified	Not Sp	ecified	Not Specified	Not Specified	Private Sewer	Not Specified

Bolton	Inspection Direction:	Upstream	Upstream Node:	S6
Unit 3	Inspected Length:	3.24 m	Upstream Pipe Depth:	
Property or buildings	Total Length:	3.24 m	Downstream Node:	S8
Surface Type: Joint Lengtl			Downstream Pipe Depth:	
Surface water		Pipe Shape:	Circular	
Gravity drain/sewer		Dia/Height:	525 mm	
		Material:	Polyethylene	
Not Specified		Lining Type:	No Lining	
		Lining Material:	No Lining	
	Unit 3 Property or buildings Surface water Gravity drain/sewer	Unit 3 Property or buildings Total Length: Joint Length: Gravity drain/sewer	Unit 3 Property or buildings Total Length: Joint Length: Surface water Gravity drain/sewer Not Specified Inspected Length: 3.24 m 3.24 m Pipe Shape: Dia/Height: Material: Lining Type:	Unit 3 Property or buildings Total Length: Joint Length: Surface water Gravity drain/sewer Not Specified Inspected Length: Joint Length: J

Recommendations:

Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
	Depth: m						
	S8						
		0.00	МН	Start node, manhole, reference: S8	00:00:00		
		0.00	WL	Water level, 0% of the vertical dimension	00:00:03		
*	S6 Depth: m	3.24	CPF	Finish node, catchpit, reference: S6	00:00:29		

	Cor	struction Feat	ures			Misc	ellaneous Feat	tures	
	S	tructural Defec	ts		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
0	0 0.0 0.0 0.0 1.0 0 0.0 0.0 0.0								1.0



Section Inspection - 09/05/2024 - SU7aX

				=			
Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
29	3	09/05/24	10:50	Wingates Bolton	No Rain Or Snow	Yes	SU7AX
Ope	rator	Veh	icle	Camera	Preset Length	Legal Status	Alternative ID
8	SC .	Not Sp	ecified	Not Specified	Not Specified	Not Specified	1

Town or Village:	Bolton	Inspection Direction:	Upstream	Upstream Node:	SU7A
Road:	Unit 3	Inspected Length:	21.28 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	21.28 m	Downstream Node:	S7
Surface Type:		Joint Length:		Downstream Pipe Depth:	
Use:	Surface water		Pipe Shape:	Circular	
Type of Pipe:	Gravity drain/sewer		Dia/Height:	150 mm	
Flow Control:	No flow control		Material:	Polyethylene	
Year Constructed:	Not Specified		Lining Type:	No Lining	
Inspection Purpose:	Post rehab inspection		Lining Material:	No Lining	

Scale:	1:185	Position [m]	Code	Observation		MPEG	Phot	o Gra
	Depth: m S7							
,		0.00	MH	Start node, manhole,	reference: S7	00:00:02		
		0.00	WL	Water level, 0% of the	e vertical dimension	00:00:03		
↑		9.24	RPL	Point repair, localised	lining at 12 o'clock	00:01:00	S7 - SU7a_ 4m_109	9-2
	SU7a Depth: m	21.28	GYF	Finish node, gully, refe	erence: SU7a	00:02:14		
		Construction				eous Features ational Observa		
		Structural	Defeate		C	 Caral Observance	At a second	

	Con	istruction Feati	ures		Miscellaneous Features				
	St	tructural Defec	ts			Service & (Operational Ob	servations	
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	de SER No. Def SER Peak SER Mean SER Total SER				
0	0.0	0.0	0.0	0.0	0 0.0 0.0 0.0 0.0				



Section Pictures - 09/05/2024 - SU7aX

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
29	Upstream	SU7AX	Wingates Bolton	Unit 3



S7 - SU7a_9-24m_105235.jpg, 00:01:00, 9.24 m Point repair, localised lining at 12 o'clock



Section Inspection - 01/05/2024 - SU7bX

				-			
Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
31	11	01/05/24	15:37	Bolton	No Rain Or Snow	Yes	SU7BX
Ope	rator	Veh	icle	Camera	Preset Length	Legal Status	Alternative ID
J	JR .	Not Sp	ecified	Not Specified	Not Specified	Not Specified	1

Town or Village:	Bolton	Inspection Direction:	Downstream	Upstream Node:	SU7B
Road:	Unit 3	Inspected Length:	10.07 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	10.07 m	Downstream Node:	S7
Surface Type:		Joint Length:		Downstream Pipe Depth	n:
Use:	Surface water		Pipe Shape:	Circular	
Type of Pipe:	Gravity drain/sewer		Dia/Height:	150 mm	
Flow Control:	No flow control		Material:	Polyethylene	
Year Constructed:	Not Specified		Lining Type:	No Lining	
Inspection Purpose:	Post completion condit	ion survey	Lining Material:	No Lining	
Comments:					

Scale:	1:88	Position [m]	Code	Observation		MPEG	Photo	Grade
	Depth: m							
,	SU7b							
(0.00	GY	Start node, gully, refer	rence: SU7b	00:00:02		
		0.00	WL	Water level, 0% of the	vertical dimension	00:00:03		
		3.03	sc	Pipe size changes, ne	w size(s), 225mm high	00:00:25		
↓								
(S7 Depth: m	10.07	MHF	Finish node, manhole	reference: S7	00:00:57		
		Construction	Features			Miscellaneous Features		
		Structural				e & Operational Observation	one	

	Cor	struction Feat	ures		Miscellaneous Features				
	S	tructural Defec	ts			Service &	Operational Ob	servations	
STR No. Def STR Peak STR Mean STR Total STR Grade SER No. Def SER Peak SER Mean SER Total SE							SER Grade		
0	0.0 0.0 0.0 0.0 0 0.0 0.0						0.0		



Section Inspection - 01/05/2024 - S7 X

				=			
Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
32	1	01/05/24	15:21	Unit 3	No Rain Or Snow	Yes	S7 X
Ope	rator	Veh	icle	Camera	Preset Length	Legal Status	Alternative ID
J	IR	Me	erc	Crawler	Not Specified	Private Sewer	Not Specified

Town or Village:	Bolton	Inspection Direction:	Downstream	Upstream Node:	S7
Road:	Unit 3	Inspected Length:	2.05 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	2.05 m	Downstream Node:	INT1
Surface Type:		Joint Length:		Downstream Pipe Depth	:
Use:	Surface water		Pipe Shape:	Circular	
Type of Pipe:	Gravity drain/sewer		Dia/Height:	300 mm	
Flow Control:	No flow control		Material:	Polyethylene	
Year Constructed:	Not Specified		Lining Type:	No Lining	
Inspection Purpose:	Post completion condit	tion survey	Lining Material:	No Lining	
Comments:					

Recommendations:

Scale	: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
	Depth: m						
	S7						
		0.00	MH	Start node, manhole, reference: S7	00:00:00		
		0.00	WL	Water level, 0% of the vertical dimension	00:00:06		
1							
'							
		1.68	MCPVC	Pipe material changes to polyvinyl chloride at this point	00:00:22		
		2.05	OSF	Finish node, oil separator, reference: INT1	00:00:32		
	INT1						
	Depth: m						

	Cor	struction Feat	ıroc			Mico	ollanoous Foo	turoc		
	COI	istruction real	ures		Miscellaneous Features					
	S	tructural Defec	ts		Service & Operational Observations					
STR No. De	f STR Peak	STR Mean	STR Total	STR Grade	de SER No. Def SER Peak SER Mean SER Total SER					
0	0.0	0.0	0.0	1.0	0 0.0 0.0 0.0					



Section Inspection - 08/05/2024 - INT1X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
33 1		08/05/24	11:05	Wingates Bolton	No Rain Or Snow	Yes	INT1X
Ope	Operator		icle	Camera	Preset Length	Legal Status	Alternative ID
SC		Not Specified		Not Specified	Not Specified	Not Specified	1

erty or buildings	Inspected Length: Total Length: Joint Length:	1.58 m 1.58 m	Upstream Pipe Depth: Downstream Node: Downstream Pipe Depth: Circular	S8
, ,	J	1	Downstream Pipe Depth:	
	Joint Length:	Pipe Shape:		
ace water		Pipe Shape:	Circular	
		P	on outur	
ity drain/sewer		Dia/Height:	300 mm	
ow control		Material:	Polyethylene	
Specified		Lining Type:	No Lining	
rehab inspection		Lining Material:	No Lining	
	ow control Specified	ow control Specified	ow control Specified Material: Lining Type:	by control Material: Polyethylene Lining Type: No Lining

Recommendations:

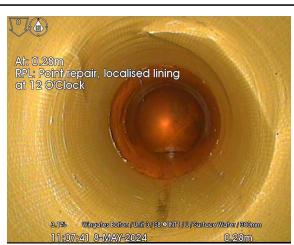
Scale:	1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
	Depth: m S8						
		0.00	МН	Start node, manhole, reference: S8	00:00:02		
		0.00	WL	Water level, 0% of the vertical dimension	00:00:03		
T		0.28	RPL	Point repair, localised lining at 12 o'clock	00:00:08	S8 - INT1_0-28	
		1.04	MCPVC	Pipe material changes to polyvinyl chloride at this point	00:00:16	m_110741	
		1.58	OSF	Finish node, oil separator, reference: INT1	00:00:20		
	INT1 Depth: m						

	Con	struction Feat	ures		Miscellaneous Features					
	S	tructural Defec	ts		Service & Operational Observations					
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	ade SER No. Def SER Peak SER Mean SER Total SE					
0	0.0	0.0	0.0	0.0	0 0.0 0.0 0.0 0.0					



Section Pictures - 08/05/2024 - INT1X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
33	Upstream	INT1X	Wingates Bolton	Unit 3



S8 - INT1_0-28m_110741.jpg, 00:00:08, 0.28 m Point repair, localised lining at 12 o'clock



Section Inspection - 01/05/2024 - S8 X

Item No.	Insp. No.	Date	Time	Client`s Job Ref Weather		Pre Cleaned	PLR
35	1	01/05/24	16:19	Unit 3	Not Specified	Not Specified	S8 X
Ope	rator	Veh	icle	Camera	Preset Length	Legal Status	Alternative ID
Not Specified		Not Sp	ecified	Not Specified	Not Specified	Private Sewer	Not Specified

Town or Village:	Bolton	Inspection Direction:	Downstream	Upstream Node:	S8
Road:	Unit 3	Inspected Length:	2.52 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	2.52 m	Downstream Node:	ATT1
Surface Type:		Joint Length:		Downstream Pipe Depth	n:
Use:	Surface water		Pipe Shape:	Circular	
Type of Pipe:	Gravity drain/sewer		Dia/Height:	600 mm	
Flow Control:			Material:	Polyethylene	
Year Constructed:	Not Specified		Lining Type:	No Lining	
Inspection Purpose:			Lining Material:	No Lining	
Commontos			-		

Comments:

Recommendations:

Sc	ale: 1:50	Position [m]	Code	Observation	MPEG	Photo	Grade
	Depth: m						
		0.00	МН	Start node, manhole, reference: S8	00:00:00		
		0.00	WL	Water level, 10% of the vertical dimension	00:00:05		
	ATT1 Depth: m	2.52	OCF	Finish node, other special chamber, reference: ATT1: Tank	00:00:46		

	Cor	struction Feat	ıroc			Mico	ollanoous Foo	turoc		
	COI	istruction real	ures		Miscellaneous Features					
	S	tructural Defec	ts		Service & Operational Observations					
STR No. De	f STR Peak	STR Mean	STR Total	STR Grade	de SER No. Def SER Peak SER Mean SER Total SER					
0	0.0	0.0	0.0	1.0	0 0.0 0.0 0.0					



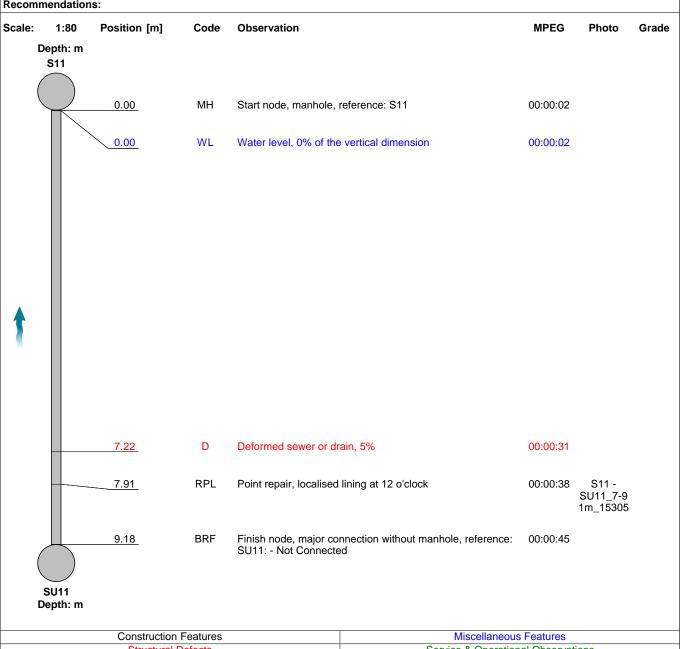
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Section Inspection - 08/05/2024 - SU11X

				=			
Item No.	Item No. Insp. No. Date		Time	Client's Job Ref	Weather	Pre Cleaned	PLR
38	2	08/05/24	15:29	Wingate Bolton	No Rain Or Snow	Yes	SU11X
Ope	Operator		icle	Camera	Preset Length	Legal Status	Alternative ID
SC		Not Sp	ecified	Not Specified	Not Specified	Not Specified	1

Town or Village:	Bolton	Inspection Direction:	Upstream	Upstream Node:	SU11	
Road:	Unit 3	Inspected Length:	9.18 m	Upstream Pipe Depth:		
Location:	Property or buildings	Total Length:	9.18 m	Downstream Node:	S11	
Surface Type: Joint Length:				Downstream Pipe Depth:		
Use:	Surface water		Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer		Dia/Height:	150 mm		
Flow Control:	No flow control		Material:	Polyethylene		
Year Constructed:	Not Specified		Lining Type:	No Lining		
Inspection Purpose:	Post rehab inspection		Lining Material:	No Lining		
Comments:						

Recommendations:



	S	tructural Defec	ts		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
0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0



Section Pictures - 08/05/2024 - SU11X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref	
38	Upstream	SU11X	Wingate Bolton	Unit 3	



S11 - SU11_7-91m_153053.jpg, 00:00:38, 7.91 m Point repair, localised lining at 12 o'clock



Section Inspection - 08/05/2024 - S11X

				-			
Item No.	Item No. Insp. No. Date Time		Client's Job Ref Weather		Pre Cleaned	PLR	
39	1	08/05/24	14:04	Wingate Bolton	No Rain Or Snow	Yes	S11X
Ope	rator	Veh	icle	Camera	Preset Length	Legal Status	Alternative ID
SC		Not Specified		Not Specified	Not Specified	Not Specified	1

Town or Village:	Bolton	Inspection Direction:	Downstream	Upstream Node:	S11
Road:	Unit 3	Inspected Length:	31.98 m	Upstream Pipe Depth:	
Location:	Property or buildings	Total Length:	31.98 m	Downstream Node:	ATT1
Surface Type: Joint Length:				Downstream Pipe Depth:	
Use:	Surface water		Pipe Shape:	Circular	
Type of Pipe:	Gravity drain/sewer		Dia/Height:	150 mm	
Flow Control:	No flow control		Material:	Polyethylene	
Year Constructed:	Not Specified		Lining Type:	No Lining	
Inspection Purpose:	Post rehab inspection		Lining Material:	No Lining	

cale: 1:	277 Position [m]	Code	Observation	MPEG	Photo	Grade
Depth S11	n: m	oodo		20	1 11010	Grade
	0.00	МН	Start node, manhole, reference: S11	00:00:02		
	0.00	WL	Water level, 0% of the vertical dimension	00:00:03		
	9.23	RPL	Point repair, localised lining at 12 o'clock	00:00:39	S10 - ATT1_9-2 3m_14061	
+	21.99	RPL	Point repair, localised lining at 12 o'clock	00:01:24	S10 - ATT1_21- 99m_1407	
ATT		OCF	Finish node, other special chamber, reference: ATT1: Tank	00:01:57		
	Constructio	_	Miscellaneous			

		Con	istruction Feati	ures		Miscellaneous Features				
ı		S	tructural Defec	ts		Service & Operational Observations				
ı	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 - 08/05/2024 - S11X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
39	Downstream	S11X	Wingate Bolton	Unit 3



S10 - ATT1_9-23m_140614.jpg, 00:00:39, 9.23 m Point repair, localised lining at 12 o'clock



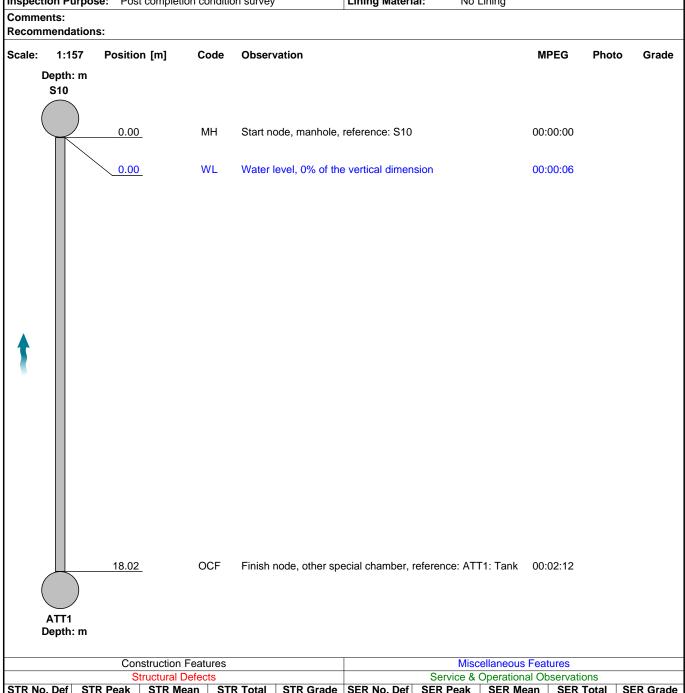
S10 - ATT1_21-99m_140706.jpg, 00:01:24, 21.99 m Point repair, localised lining at 12 o'clock



Section Inspection - 02/05/2024 - ATT1 X

				-			
Item No.	Item No. Insp. No. Date Time		Client`s Job Ref	Client`s Job Ref Weather		PLR	
40	1	02/05/24	9:33	Unit 3	No Rain Or Snow	Yes	ATT1 X
Ope	Operator		icle	Camera	Preset Length	Legal Status	Alternative ID
JR		Merc		Crawler	Not Specified	Private Sewer	Not Specified

Town or Village:	Bolton	Inspection Direction:	Upstream	Upstream Node:	ATT1	
Road:	Unit 3	Inspected Length:	18.02 m	Upstream Pipe Depth:		
Location:	Property or buildings	Total Length:	18.02 m	Downstream Node:	S10	
Surface Type: Joint Length: Downstream Pipe Dep				Downstream Pipe Depth	n:	
Use:	Surface water		Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer		Dia/Height:	225 mm		
Flow Control:	No flow control		Material:	Polyethylene		
Year Constructed:	Not Specified		Lining Type:	No Lining		
Inspection Purpose:	Post completion condition survey		Lining Material:	No Lining		
Comments:						



	Cor	struction Feat	ures		Miscellaneous Features				
	S	tructural Defec	ts		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
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

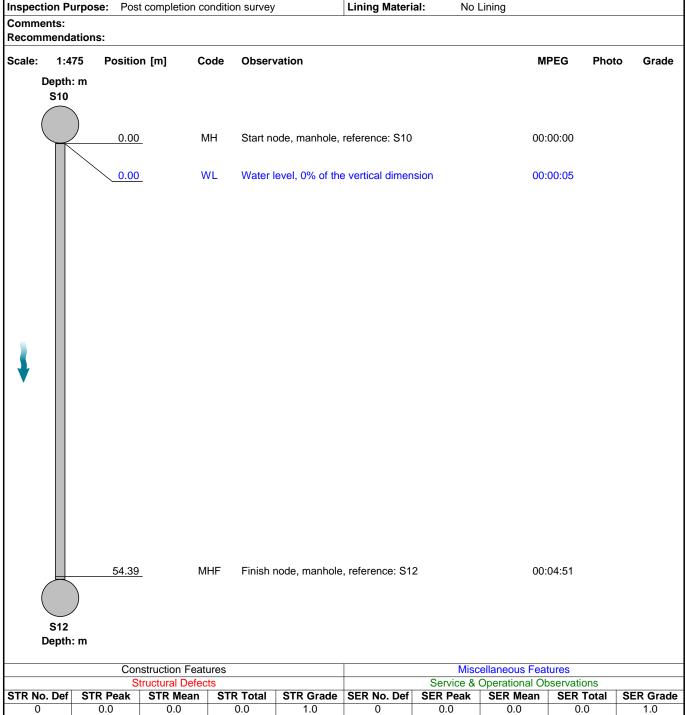


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Section Inspection - 02/05/2024 - S10 X

				-			
Item No.	Item No. Insp. No. Date Time		Client`s Job Ref	Client`s Job Ref Weather		PLR	
41	1	02/05/24	10:17	Unit 3	No Rain Or Snow	Yes	S10 X
Ope	Operator		icle	Camera	Preset Length	Legal Status	Alternative ID
JR		Merc		Crawler	Not Specified	Private Sewer	Not Specified

Bolton	Inspection Direction:	Downstream	Upstream Node:	S10	
Unit 3	Inspected Length:	54.39 m	Upstream Pipe Depth:		
Property or buildings	Total Length:	54.76 m	Downstream Node:	S12	
Surface Type: Joint Length:			Downstream Pipe Depth:		
Surface water		Pipe Shape:	Circular		
Gravity drain/sewer		Dia/Height:	225 mm		
No flow control		Material:	Polyethylene		
Not Specified		Lining Type:	No Lining		
Post completion condit	ion survey	Lining Material:	No Lining		
	Unit 3 Property or buildings Surface water Gravity drain/sewer No flow control Not Specified	Unit 3 Property or buildings Property or buildings Surface water Gravity drain/sewer No flow control	Unit 3 Property or buildings Total Length: Joint Length: 54.39 m 54.76 m Joint Length: Surface water Gravity drain/sewer No flow control Not Specified Inspected Length: 54.39 m Fig. 194.76 m Material: Lining Type:	Unit 3 Property or buildings Total Length: Joint Length: Surface water Gravity drain/sewer No flow control Not Specified Inspected Length: 54.39 m Upstream Pipe Depth: Downstream Node: Downstream Pipe Depth Downstream Pipe Depth: Downstream Pipe Depth	



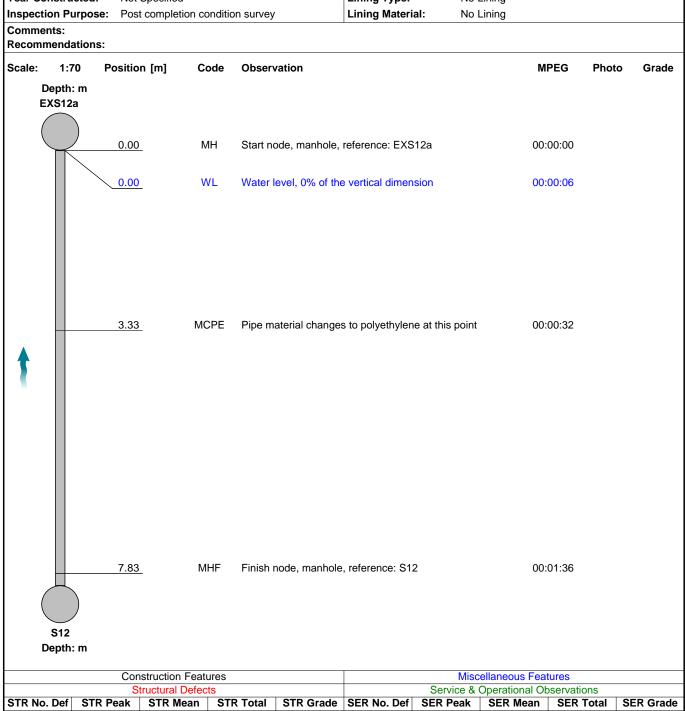


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Section Inspection - 02/05/2024 - S12X

				=			
Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
42	1	02/05/24	11:06	Unit 3	No Rain Or Snow	Yes	S12X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
J	R	Me	erc	Crawler	Not Specified	Private Sewer	Not Specified

Town or Village: Inspection Direction: Upstream S12 **Bolton Upstream Node:** Road: Unit 3 Inspected Length: 7.83 m Upstream Pipe Depth: Location: Property or buildings **Total Length:** 8.05 m **Downstream Node:** EXS12A Surface Type: Joint Length: **Downstream Pipe Depth:** Surface water Pipe Shape: Use: Circular Type of Pipe: Gravity drain/sewer Dia/Height: 150 mm Flow Control: No flow control Material: Polypropylene Year Constructed: Not Specified **Lining Type:** No Lining Inspection Purpose: **Lining Material:** Post completion condition survey No Lining Comments:



0.0 0.0 0.0 1.0 0 0.0 0.0 0.0 1.0

