



Project

Project Name: BPC - Heelands Community Centre
Project Description: Drainage Investigation
Project Number: 542720
Project Status: Complete
Project Date: 25/01/2021
Inspection Standard: MSCC4 Sewers & Drainage GB (SRM4 Scoring)

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BPC - Heelands Community Centre	542720	25/01/2021

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Project Information

Project Name
BPC - Heelands Community Centre

Project Number
542720

Project Date
25/01/2021

Client

Company: Bradwell Parish Council
Street: 21 Glovers Lane
Town or City: Helands
County: Milton Keynes
Post Code: MK13 7LW

Site

Company: Gotch Saunders & Surridge LLP
Description: Heelands Community Centre
Department: The Stables
Street: 14 The Drive
Town or City: Kettering
County: Northamptonshire
Post Code: NN15 7EX
Phone: 01536 526 900
Email: admin@gssllp.co.uk

Contractor

Company: Drainline Ltd
Department: Staion House South
Street: Mercer Road
Town or City: Warnham
County: West Sussex
Post Code: RH12 3SR
Phone: 01403 261549
Email: info@drainline.co.uk

Drainline Ltd

Mercer Road, Warnham
Tel. 01403 261549
info@drainline.co.uk

**Project Information**

Project Name	Project Number	Project Date
BPC - Heelands Community Centre	542720	25/01/2021

Project Notes

Surveyed Lines as requested by client.

No structural defects were noted in the pipes surveyed.

One section from FW0 to FW3 has some debris in and would recommend this is cleaned to prevent future blockages.

No other defects noted during the survey.

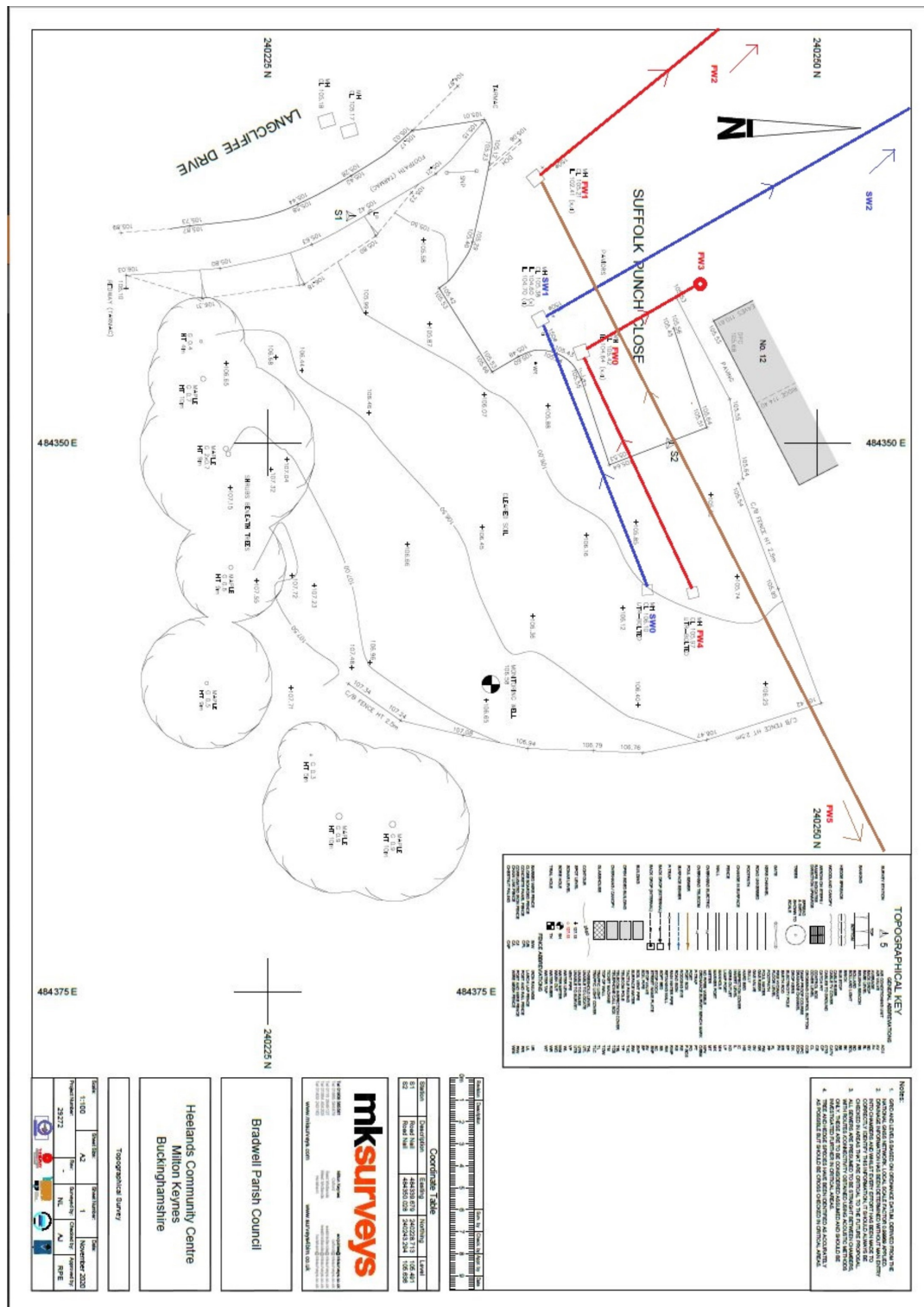
Project Information

Project Name
 BPC - Heelands Community Centre

Project Number
 542720

Project Date
 25/01/2021

Project Drawing, Page 'HEELANDS COMMUNITY CENTRE - MILTON KEYNES'



Scoring Summary

Project Name	Project Number	Project Date
BPC - Heelands Community Centre	542720	25/01/2021

Structural Defects

Section	PLR	Grade	Description
All inspected pipes are in an acceptable structural condition (< grade 3).			

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
4	FW0X	3	Settled deposits, fine, 10% cross-sectional area loss, finish

Information

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

Project Summary

Project Name BPC - Heelands Community Centre	Project Number 542720	Project Date 25/01/2021
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Defect Summary

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	FW1	FW2	9.9																			1	
2	1	SW1	SW2	44.6																			1	
3	1	SW0	SW1	13.5																			1	
4	1	FW0	FW3	6.9																2			1	
5	1	FW4	FW0	11.9																			2	
6	1	FW5	FW1	16.1																			1	
Total:				102.9																2			7	

Item No. 1	Insp. No. 1	Date 25/01/21	Time 10:08	Client`s Job Ref Not Specified	Weather Melting Snow Or Ice	Pre Cleaned No	PLR FW1X
Operator DLGB		Vehicle PF69 YUV		Camera Crawler	Preset Length 0.20 m	Legal Status Public Sewer	Alternative ID Not Specified

Town or Village:	Heelands	Inspection Direction:	Downstream	Upstream Node:	FW1
Road:	Suffolk Punch Close	Inspected Length:	9.88 m	Upstream Pipe Depth:	2.800 m
Location:	Road	Total Length:	9.88 m	Downstream Node:	FW2
Surface Type:		Joint Length:	1.00 m	Downstream Pipe Depth:	0.000 m
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	No Lining		

WEB PROJECT
CLICK TO OPEN THIS SECTION

Scale:	1:86	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: 2.80 m FW1		0.00	MH	Start node type, manhole, reference number: FW1	00:00:00		
		0.00	WL	Water level, 5% of the vertical dimension	00:00:20		
		9.88	MHF	Finish node type, manhole, reference number: FW2	00:01:36		
FW2 Depth: 0.00 m							

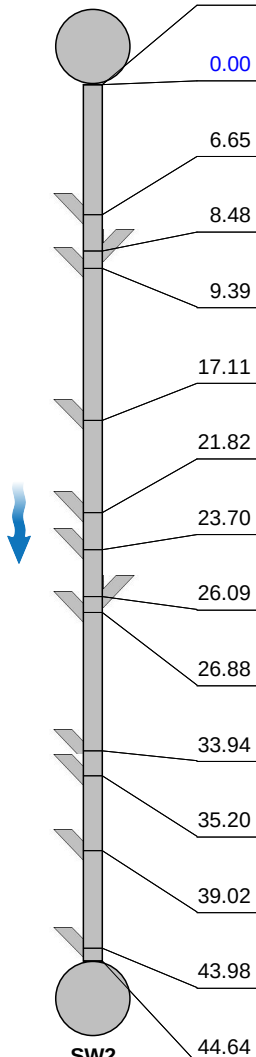
Construction Features					Miscellaneous Features				
Structural Defects					Service & Operational Observations				
STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Inspection - 25/01/2021 - SW1X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
2	1	25/01/21	10:43	Not Specified	Melting Snow Or Ice	No	SW1X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
DLGB		PF69 YUV		Crawler	0.20 m	Public Sewer	Not Specified

Town or Village:	Heelands	Inspection Direction:	Downstream	Upstream Node:	SW1
Road:	Suffolk Punch Close	Inspected Length:	44.64 m	Upstream Pipe Depth:	0.750 m
Location:	Road	Total Length:	44.64 m	Downstream Node:	SW2
Surface Type:		Joint Length:	1.00 m	Downstream Pipe Depth:	0.000 m
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Pipe Material:	Polyvinyl chloride		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	No Lining		

Comments:		WEB PROJECT
Recommendations:	None	CLICK TO OPEN THIS SECTION

Scale:	1:385	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: 0.75 m SW1 							
	0.00	IC	Start node type, inspection chamber, reference number: SW1	00:00:00			
	0.00	WL	Water level, 5% of the vertical dimension	00:00:08			
	6.65	JN	Junction at 2 o'clock, diameter: 100mm: UNKNOWN	00:00:50			
	8.48	JN	Junction at 10 o'clock, diameter: 100mm: UNKNOWN	00:01:05			
	9.39	JN	Junction at 2 o'clock, diameter: 100mm: UNKNOWN	00:01:13			
	17.11	JN	Junction at 2 o'clock, diameter: 100mm: UNKNOWN	00:02:18			
	21.82	JN	Junction at 2 o'clock, diameter: 100mm: UNKNOWN	00:02:50			
	23.70	JN	Junction at 2 o'clock, diameter: 100mm: UNKNOWN	00:03:02			
	26.09	JN	Junction at 9 o'clock, diameter: 100mm: UNKNOWN	00:03:18			
	26.88	JN	Junction at 2 o'clock, diameter: 100mm: UNKNOWN	00:03:24			
	33.94	JN	Junction at 2 o'clock, diameter: 100mm: UNKNOWN	00:04:05			
	35.20	JN	Junction at 2 o'clock, diameter: 100mm: UNKNOWN	00:04:16			
	39.02	JN	Junction at 2 o'clock, diameter: 100mm: UNKNOWN	00:04:39			
	43.98	JN	Junction at 2 o'clock, diameter: 100mm: UNKNOWN	00:05:08			
	44.64	CPF	Finish node type, catchpit, reference number: SW2	00:05:14			
	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
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Section Inspection - 25/01/2021 - SW0X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
3	1	25/01/21	11:04	Not Specified	Melting Snow Or Ice	No	SW0X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
DLGB		PF69 YUV		Push Rod	0.20 m	Public Sewer	Not Specified

Town or Village:	Heelands	Inspection Direction:	Upstream	Upstream Node:	SW0
Road:	Suffolk Punch Close	Inspected Length:	13.50 m	Upstream Pipe Depth:	0.860 m
Location:	Road	Total Length:	13.50 m	Downstream Node:	SW1
Surface Type:		Joint Length:	1.00 m	Downstream Pipe Depth:	0.720 m
Use:	Surface water	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Pipe Material:	Polyvinyl chloride		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	No Lining		

Comments:

Recommendations: None



Scale:	1:117	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: 0.72 m SW1							
	0.00	IC	Start node type, inspection chamber, reference number: SW1	00:00:00			
	0.00	WL	Water level, 5% of the vertical dimension	00:00:04			
	1.05	SC	Size changes, new size(s), 100mm high	00:00:18			
	13.50	ICF	Finish node type, inspection chamber, reference number: SW0	00:01:12			
SW0 Depth: 0.86 m							

Construction Features

Structural Defects

Miscellaneous Features

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

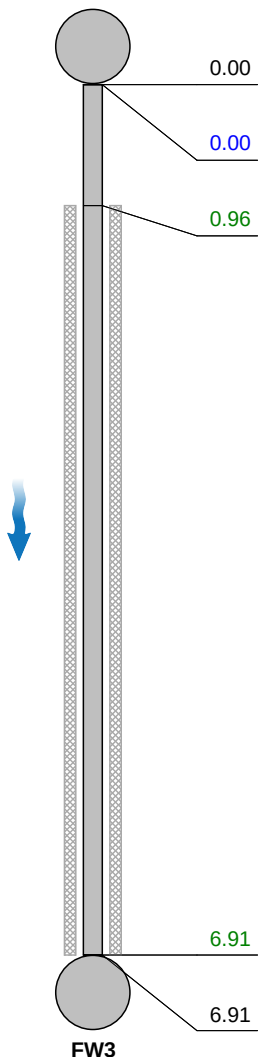
Section Inspection - 25/01/2021 - FW0X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
4	1	25/01/21	11:16	Not Specified	Melting Snow Or Ice	No	FW0X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
DLGB		PF69 YUV		Push Rod	0.20 m	Public Sewer	Not Specified

Town or Village:	Heelands	Inspection Direction:	Downstream	Upstream Node:	FW0
Road:	Suffolk Punch Close	Inspected Length:	6.91 m	Upstream Pipe Depth:	0.790 m
Location:	Road	Total Length:	6.91 m	Downstream Node:	FW3
Surface Type:		Joint Length:	1.00 m	Downstream Pipe Depth:	0.000 m
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Flow Control:	No flow control	Pipe Material:	Polyvinyl chloride		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Sample survey to determine asset condition		Lining Material:	No Lining	

Comments:
Recommendations: None



Scale:	1:60	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: 0.79 m FW0  0.00 0.00 0.96 6.91 6.91 FW3 Depth: 0.00 m							
		0.00	IC	Start node type, inspection chamber, reference number: FW0	00:00:00		
		0.00	WL	Water level, 5% of the vertical dimension	00:00:06		
		0.96	S02	DES	Settled deposits, fine, 10% cross-sectional area loss, start	00:00:18	FW0X_20 21-01-25 111652_2.j
		6.91	F02	DES	Settled deposits, fine, 10% cross-sectional area loss, finish	00:00:43	3
		6.91	ICF	Finish node type, inspection chamber, reference number: FW3	00:00:45		

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
0	0.0	0.0	0.0	1.0	1	2.0	13.8	12.0	5.0

Section Pictures - 25/01/2021 - FW0X

Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
4	Downstream	FW0X		542720



FW0X_2021-01-25 111652_2.jpg, 00:00:18, 0.96 m
Settled deposits, fine, 10% cross-sectional area loss, start

Section Inspection - 25/01/2021 - FW4X

Item No.	Insp. No.	Date	Time	Client's Job Ref	Weather	Pre Cleaned	PLR
5	1	25/01/21	11:45	Not Specified	Melting Snow Or Ice	No	FW4X
Operator		Vehicle		Camera	Preset Length	Legal Status	Alternative ID
DLGB		PF69 YUV		Push Rod	0.20 m	Public Sewer	Not Specified

Town or Village:	Heelands	Inspection Direction:	Upstream	Upstream Node:	FW4
Road:	Suffolk Punch Close	Inspected Length:	11.94 m	Upstream Pipe Depth:	0.860 m
Location:	Road	Total Length:	11.94 m	Downstream Node:	FW0
Surface Type:		Joint Length:	1.00 m	Downstream Pipe Depth:	0.790 m
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	100 mm		
Flow Control:	No flow control	Pipe Material:	Polyvinyl chloride		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	No Lining		

Comments:		WEB PROJECT
Recommendations:	None	CLICK TO OPEN THIS SECTION

Scale:	1:103	Position [m]	Code	Observation	MPEG	Photo	Grade
Depth: 0.79 m FW0							
	0.00	IC	Start node type, inspection chamber, reference number:	FW0	00:00:00		
	0.00	WL	Water level, 5% of the vertical dimension		00:00:06		
	0.00	WL	Water level, 5% of the vertical dimension		00:00:11		
	11.94	ICF	Finish node type, inspection chamber, reference number:	FW4	00:01:03		
FW4 Depth: 0.86 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
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Item No. 6	Insp. No. 1	Date 25/01/21	Time 12:20	Client`s Job Ref Not Specified	Weather Melting Snow Or Ice	Pre Cleaned No	PLR FW5X
Operator DLGB		Vehicle PF69 YUV		Camera Push Rod	Preset Length 0.20 m	Legal Status Public Sewer	Alternative ID Not Specified

Town or Village:	Heelands	Inspection Direction:	Upstream	Upstream Node:	FW5
Road:	Suffolk Punch Close	Inspected Length:	16.07 m	Upstream Pipe Depth:	0.000 m
Location:	Road	Total Length:	16.07 m	Downstream Node:	FW1
Surface Type:		Joint Length:	1.00 m	Downstream Pipe Depth:	2.800 m
Use:	Foul	Pipe Shape:	Circular		
Type of Pipe:	Gravity drain/sewer	Dia/Height:	150 mm		
Flow Control:	No flow control	Pipe Material:	Vitrified clay pipe (i.e. all clayware)		
Year Constructed:	Not Specified	Lining Type:	No Lining		
Inspection Purpose:	Sample survey to determine asset condition	Lining Material:	No Lining		

WEB PROJECT
CLICK TO OPEN THIS SECTION

Scale:	1:139	Position [m]	Code	Observation	MPEG	Photo	Grade
		0.00	MH	Start node type, manhole, reference number: FW1	00:00:00		
		0.00	WL	Water level, 5% of the vertical dimension	00:00:06		
		16.07	REM	General remark: BEYOND SCOPE OF WORKS	00:02:07		
		16.07	OCF	Finish node type, other special chamber, reference number: FW5: BEYOND SCOPE OF WORKS	00:02:13		

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
0	0.0	0.0	0.0	1.0	0	0.0	0.0	0.0	1.0

Node Report					
Node ID FW1	Alternative ID Not Specified	Date 25/01/2021	Node Type Manhole	Year Constructed 2020	Use Foul
Operator GB	Vehicle Not Specified	Client's Job Ref Not Specified	Contractor's Job Ref 542720	Node Depth 2.800 m	Criticality Unknown

General Node Information			
Road:		Land Ownership:	Public
Town or Village:		Node Ownership:	Public
Division or District:		National Grid Reference (X):	0.000 m
Drainage Area:		National Grid Reference (Y):	0.000 m
Location:	Road	Elevation / Cover Level (Z):	105.210 m

General Node Inspection Information			
Weather:	Melting snow or ice	Vertical Ref.:	Cover (highest corner of frame or highest point on a circular frame)
Temperature:	Below freezing	Circular Ref.:	6 o'clock
Sheet Number:		Inspection Method:	Inspection from manhole or inspection chamber
Status:	Public	Surcharge Level:	mm
Toxic Atmosphere?	No	Evidence of Vermin?	N
Flow Control:	No flow control	Inspection Purpose:	Sample survey to determine asset condition
Cover Shape:	Rectangular	Cover Duty:	Heavy
Cover Hinge?	No	Cover Lock?	No
Side Entry?	No	Regular Courses?	No
Material:	Concrete	Construction Style:	Pre-Cast Concrete
Comments:			
Recommendations:			



Observations				
No.	Depth	Code	Observation	Remarks
1	0.00 m	GP	General photograph taken at this point at 12 o'clock, location photograph	
2	0.00 m	GP	General photograph taken at this point at 7 o'clock, internal condition photograph	

Inlets & Outlets								
No.	Clock Position	Depth	Type	Shape	Dia/Height	Width	Pipe ID	Remarks
1	11	2.800 m	Inlet	Circular	150 mm		FW5X	
2	7	2.800 m	Outlet	Circular	150 mm		FW1X	

Cover			
Shape:	Rectangular	Dia/Length:	600 mm
Material:	Cast Iron	Width:	600 mm
Lowest Point:		Height:	50 mm
Requires Attention?		Cover Duty:	Heavy
Remarks:			

Node Report

Node ID FW1	Alternative ID Not Specified	Date 25/01/2021	Node Type Manhole	Year Constructed 2020	Use Foul
Operator GB	Vehicle Not Specified	Client`s Job Ref Not Specified	Contractor`s Job Ref 542720	Node Depth 2.800 m	Criticality Unknown

Chamber

Shape:	Circular	Dia/Length:	1200 mm
Material:	Concrete	Width:	
Lowest Point:		Height:	2800 mm
Requires Attention?		Segment Height:	1000 mm
Remarks:			

Benching

Material:	Concrete	Benching Type:	Half Benching
Lowest Point:		Height:	150 mm
Requires Attention?		Remarks:	

Channel

Material:	Concrete	Lowest Point:	
Requires Attention?		Remarks:	

Steps & Ladders

Steps Material:	Galvanised Iron	Steps Type:	Single Width - Wide Enough For One Foot Only
Clock:	2	Requires Attention?	
Remarks:			

Node Pictures - 25/01/2021 - FW1

Node No.	Node ID	Alternative ID	Client's Job Ref	Contractor's Job Ref
1	FW1			542720



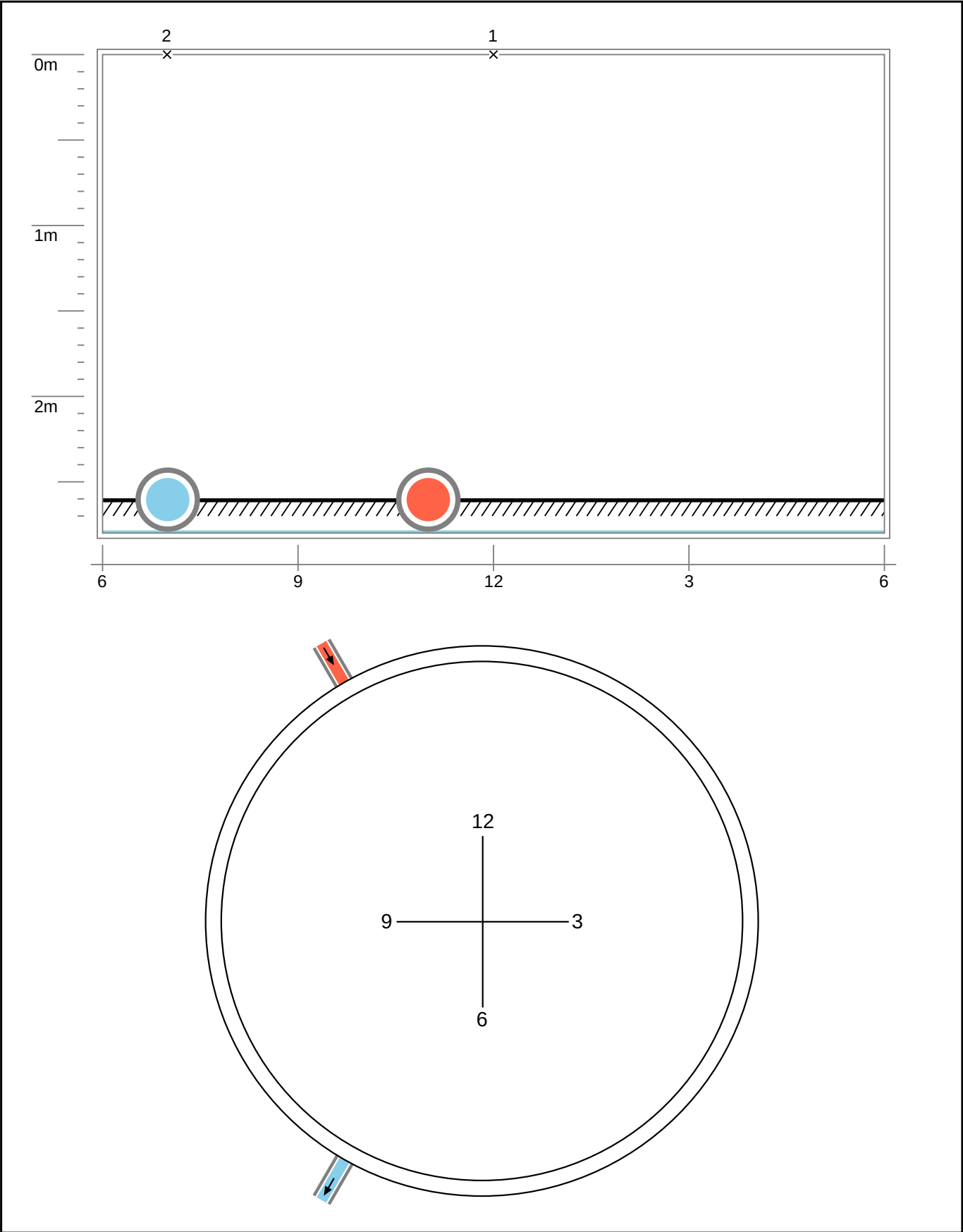
FW1_70fd67c6-a32a-4653-a293-4727795cd42c_20210125_160043.jpg, 0.00 m
 General photograph taken at this point at 12 o'clock, location photograph



FW1_54342b58-cce7-49af-b937-ccb06922d291_20210125_160054.jpg, 0.00 m
 General photograph taken at this point at 7 o'clock, internal condition photograph

Node Drawings - 25/01/2021 - FW1

Node No.	Node ID	Alternative ID	Client's Job Ref	Contractor's Job Ref
1	FW1			542720



Node Report					
Node ID SW1	Alternative ID Not Specified	Date 25/01/2021	Node Type Inspection chamber	Year Constructed 2020	Use Surface Water
Operator GB	Vehicle Not Specified	Client's Job Ref Not Specified	Contractor's Job Ref 542720	Node Depth 0.750 m	Criticality Unknown

General Node Information			
Road:		Land Ownership:	Public
Town or Village:		Node Ownership:	Public
Division or District:		National Grid Reference (X):	0.000 m
Drainage Area:		National Grid Reference (Y):	0.000 m
Location:	Road	Elevation / Cover Level (Z):	105.380 m

General Node Inspection Information			
Weather:	Melting snow or ice	Vertical Ref.:	Invert lowest outgoing pipe in the manhole/inspection chamber
Temperature:	Below freezing	Circular Ref.:	6 o'clock
Sheet Number:		Inspection Method:	Inspection from manhole or inspection chamber
Status:	Public	Surcharge Level:	mm
Toxic Atmosphere?	No	Evidence of Vermin?	N
Flow Control:	No flow control	Inspection Purpose:	Sample survey to determine asset condition
Cover Shape:	Rectangular	Cover Duty:	Medium
Cover Hinge?	No	Cover Lock?	No
Side Entry?	No	Regular Courses?	No
Material:	Polvinyl Chloride	Construction Style:	Plastic
Comments:			
Recommendations:			



Observations				
No.	Depth	Code	Observation	Remarks
1	0.00 m	GP	General photograph taken at this point at 12 o'clock, location photograph	
2	0.00 m	GP	General photograph taken at this point at 12 o'clock, internal condition photograph	

Inlets & Outlets								
No.	Clock Position	Depth	Type	Shape	Dia/Height	Width	Pipe ID	Remarks
1	12	0.720 m	Inlet	Circular	150 mm		SW0X	
2	9	0.750 m	Outlet	Circular	150 mm		SW1X	

Cover			
Shape:	Rectangular	Dia/Length:	600 mm
Material:	Cast Iron	Width:	600 mm
Lowest Point:		Height:	25 mm
Requires Attention?		Cover Duty:	Medium
Remarks:			

Node Report					
Node ID SW1	Alternative ID Not Specified	Date 25/01/2021	Node Type Inspection chamber	Year Constructed 2020	Use Surface Water
Operator GB	Vehicle Not Specified	Client`s Job Ref Not Specified	Contractor`s Job Ref 542720	Node Depth 0.750 m	Criticality Unknown

Chamber			
Shape:	Circular	Dia/Length:	500 mm
Material:	Polvinyl Chloride	Width:	
Lowest Point:		Height:	750 mm
Requires Attention?		Segment Height:	
Remarks:			

Node Pictures - 25/01/2021 - SW1

Node No.	Node ID	Alternative ID	Client's Job Ref	Contractor's Job Ref
2	SW1			542720



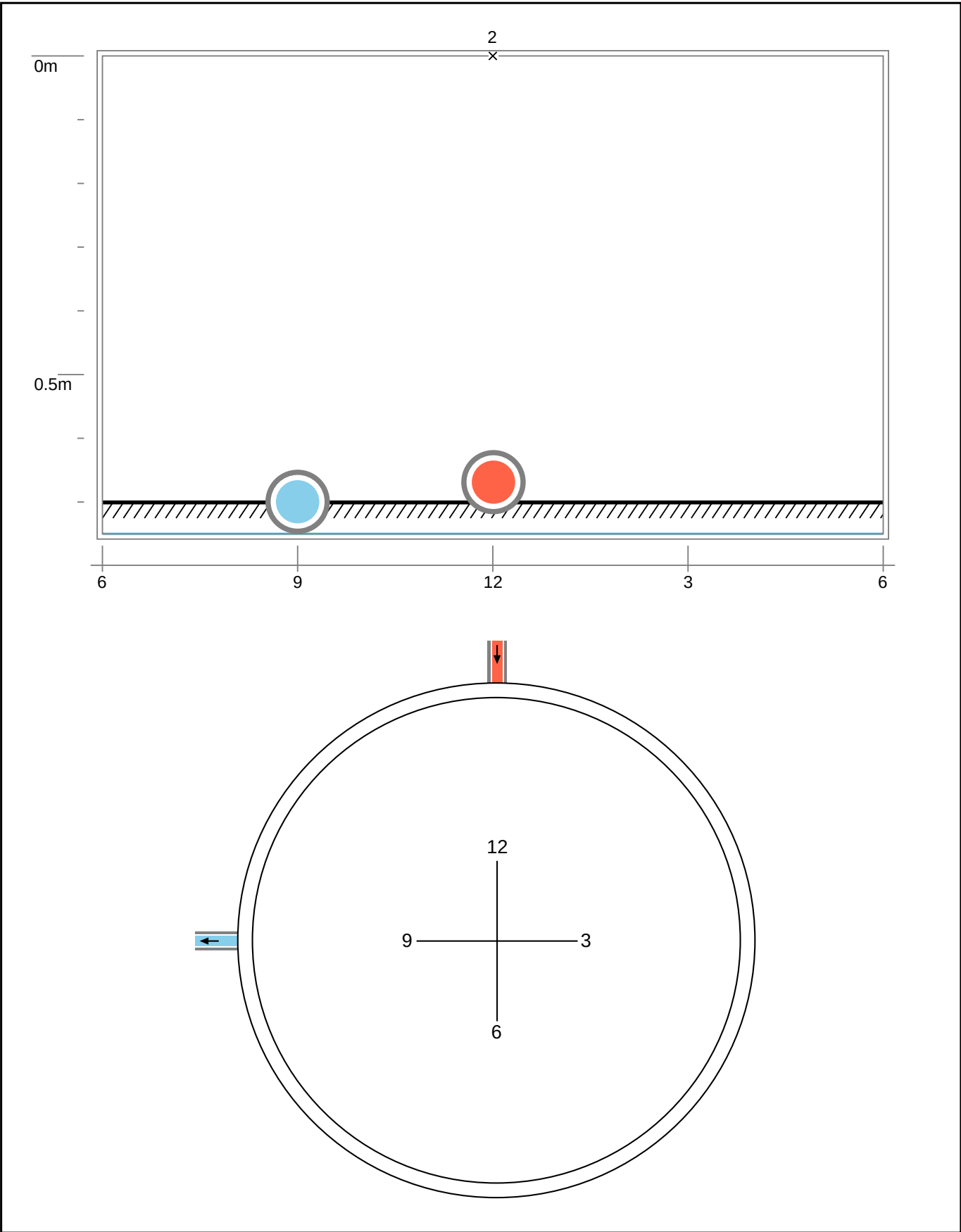
SW1_123ee131-651d-49eb-8f72-47f933e26836_20210125_165724.jpg, 0.00 m
General photograph taken at this point at 12 o'clock, location photograph



SW1_4f938bc9-7e76-4936-b9f7-40c87d6883d5_20210125_165743.jpg, 0.00 m
General photograph taken at this point at 12 o'clock, internal condition photograph

Node Drawings - 25/01/2021 - SW1

Node No.	Node ID	Alternative ID	Client's Job Ref	Contractor's Job Ref
2	SW1			542720



Node Report					
Node ID SW0	Alternative ID Not Specified	Date 25/01/2021	Node Type Inspection chamber	Year Constructed 2020	Use Surface Water
Operator GB	Vehicle Not Specified	Client's Job Ref Not Specified	Contractor's Job Ref 542720	Node Depth 0.860 m	Criticality Unknown

General Node Information			
Road:		Land Ownership:	Public
Town or Village:		Node Ownership:	Public
Division or District:		National Grid Reference (X):	0.000 m
Drainage Area:		National Grid Reference (Y):	0.000 m
Location:	Verge	Elevation / Cover Level (Z):	106.100 m

General Node Inspection Information			
Weather:	Melting snow or ice	Vertical Ref.:	Cover (highest corner of frame or highest point on a circular frame)
Temperature:	Below freezing	Circular Ref.:	6 o'clock
Sheet Number:		Inspection Method:	Inspection from manhole or inspection chamber
Status:	Public	Surcharge Level:	mm
Toxic Atmosphere?	No	Evidence of Vermin?	N
Flow Control:	No flow control	Inspection Purpose:	Sample survey to determine asset condition
Cover Shape:	Rectangular	Cover Duty:	Medium
Cover Hinge?	No	Cover Lock?	No
Side Entry?	No	Regular Courses?	No
Material:	Polvinyl Chloride	Construction Style:	Plastic
Comments:			
Recommendations:			



Observations				
No.	Depth	Code	Observation	Remarks
1	0.00 m	GP	General photograph taken at this point at 12 o'clock, location photograph	
2	0.00 m	GP	General photograph taken at this point at 12 o'clock, internal condition photograph	

Inlets & Outlets								
No.	Clock Position	Depth	Type	Shape	Dia/Height	Width	Pipe ID	Remarks
1	6	0.860 m	Outlet	Circular	100 mm		SW0X	

Cover			
Shape:	Rectangular	Dia/Length:	500 mm
Material:	Cast Iron	Width:	500 mm
Lowest Point:		Height:	25 mm
Requires Attention?		Cover Duty:	Medium
Remarks:			

Node Report					
Node ID SW0	Alternative ID Not Specified	Date 25/01/2021	Node Type Inspection chamber	Year Constructed 2020	Use Surface Water
Operator GB	Vehicle Not Specified	Client`s Job Ref Not Specified	Contractor`s Job Ref 542720	Node Depth 0.860 m	Criticality Unknown

Chamber			
Shape:	Circular	Dia/Length:	450 mm
Material:	Polvinyl Chloride	Width:	
Lowest Point:		Height:	860 mm
Requires Attention?		Segment Height:	
Remarks:			

Node Pictures - 25/01/2021 - SW0

Node No.	Node ID	Alternative ID	Client's Job Ref	Contractor's Job Ref
3	SW0			542720



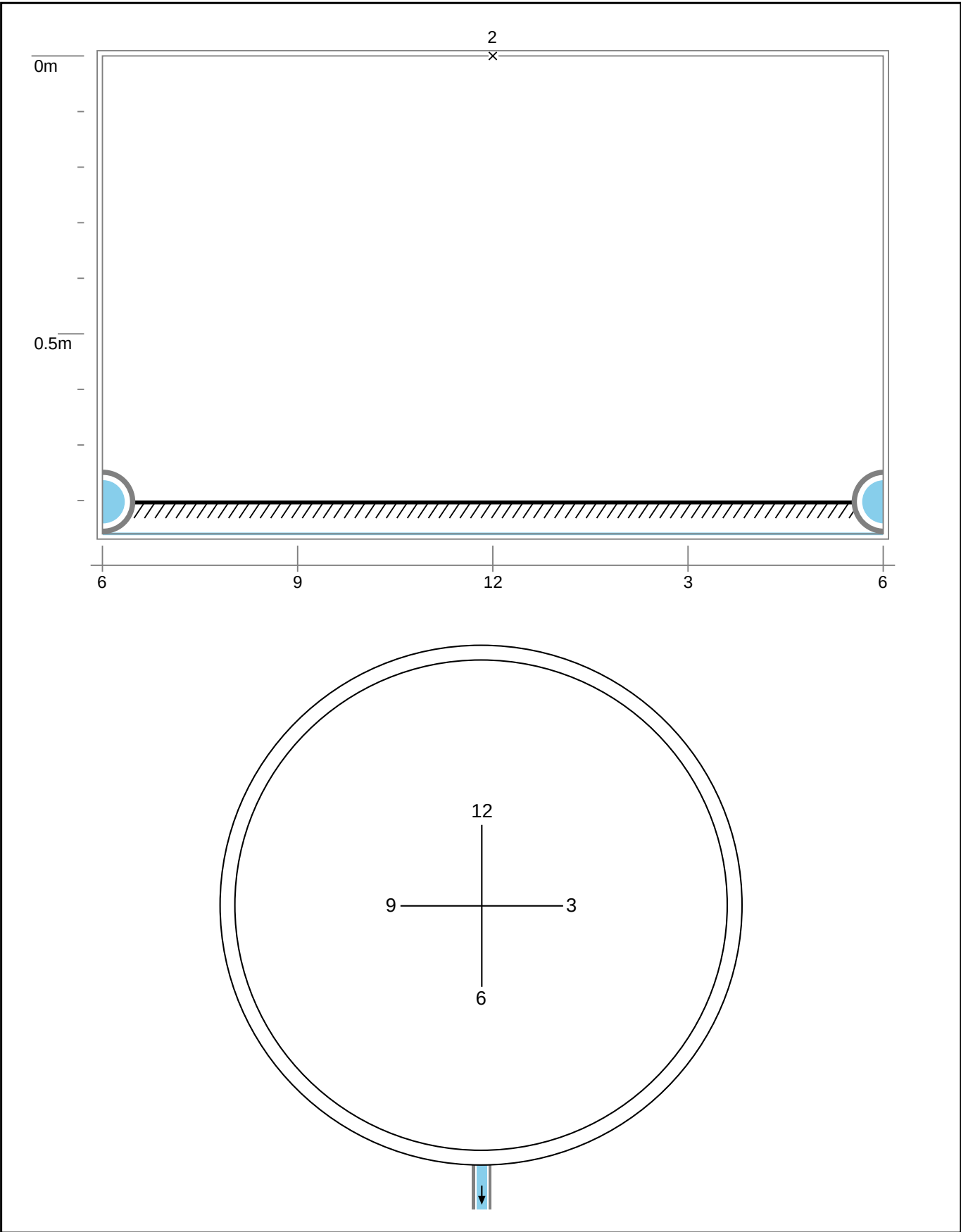
SW0_410aa736-d0a6-411e-b587-08897c809d7c_20210125_164756.jpg, 0.00 m
General photograph taken at this point at 12 o'clock, location photograph



SW0_9cbc04a1-17e6-43a3-a033-5205674992c6_20210125_164809.jpg, 0.00 m
General photograph taken at this point at 12 o'clock, internal condition photograph

Node Drawings - 25/01/2021 - SW0

Node No.	Node ID	Alternative ID	Client's Job Ref	Contractor's Job Ref
3	SW0			542720



Node Report					
Node ID FW0	Alternative ID Not Specified	Date 25/01/2021	Node Type Inspection chamber	Year Constructed 2020	Use Foul
Operator GB	Vehicle PF69	Client's Job Ref Not Specified	Contractor's Job Ref 542720	Node Depth 0.790 m	Criticality Unknown

General Node Information			
Road:		Land Ownership:	Public
Town or Village:		Node Ownership:	Public
Division or District:		National Grid Reference (X):	
Drainage Area:		National Grid Reference (Y):	
Location:	Road	Elevation / Cover Level (Z):	

General Node Inspection Information			
Weather:	Melting snow or ice	Vertical Ref.:	Cover (highest corner of frame or highest point on a circular frame)
Temperature:	Below freezing	Circular Ref.:	6 o'clock
Sheet Number:		Inspection Method:	Inspection from manhole or inspection chamber
Status:	Public	Surcharge Level:	mm
Toxic Atmosphere?	No	Evidence of Vermin?	N
Flow Control:	No flow control	Inspection Purpose:	Sample survey to determine asset condition
Cover Shape:	Rectangular	Cover Duty:	Medium
Cover Hinge?	No	Cover Lock?	No
Side Entry?	No	Regular Courses?	Yes
Material:	Polvinyl Chloride	Construction Style:	Plastic
Comments:			
Recommendations:			



Observations				
No.	Depth	Code	Observation	Remarks
1	0.00 m	GP	General photograph taken at this point at 12 o'clock, location photograph	
2	0.00 m	GP	General photograph taken at this point at 12 o'clock, internal condition photograph	

Inlets & Outlets								
No.	Clock Position	Depth	Type	Shape	Dia/Height	Width	Pipe ID	Remarks
1	7	0.790 m	Outlet	Circular	100 mm		FW0X	
2	1	0.790 m	Inlet	Circular	100 mm		FW4X	

Cover			
Shape:	Rectangular	Dia/Length:	600 mm
Material:	Cast Iron	Width:	600 mm
Lowest Point:		Height:	50 mm
Requires Attention?		Cover Duty:	Medium
Remarks:			

Node Report					
Node ID FW0	Alternative ID Not Specified	Date 25/01/2021	Node Type Inspection chamber	Year Constructed 2020	Use Foul
Operator GB	Vehicle PF69	Client`s Job Ref Not Specified	Contractor`s Job Ref 542720	Node Depth 0.790 m	Criticality Unknown

Chamber			
Shape:	Circular	Dia/Length:	500 mm
Material:	Polvinyl Chloride	Width:	
Lowest Point:		Height:	790 mm
Requires Attention?		Segment Height:	
Remarks:			

Node Pictures - 25/01/2021 - FW0

Node No.	Node ID	Alternative ID	Client's Job Ref	Contractor's Job Ref
4	FW0			542720



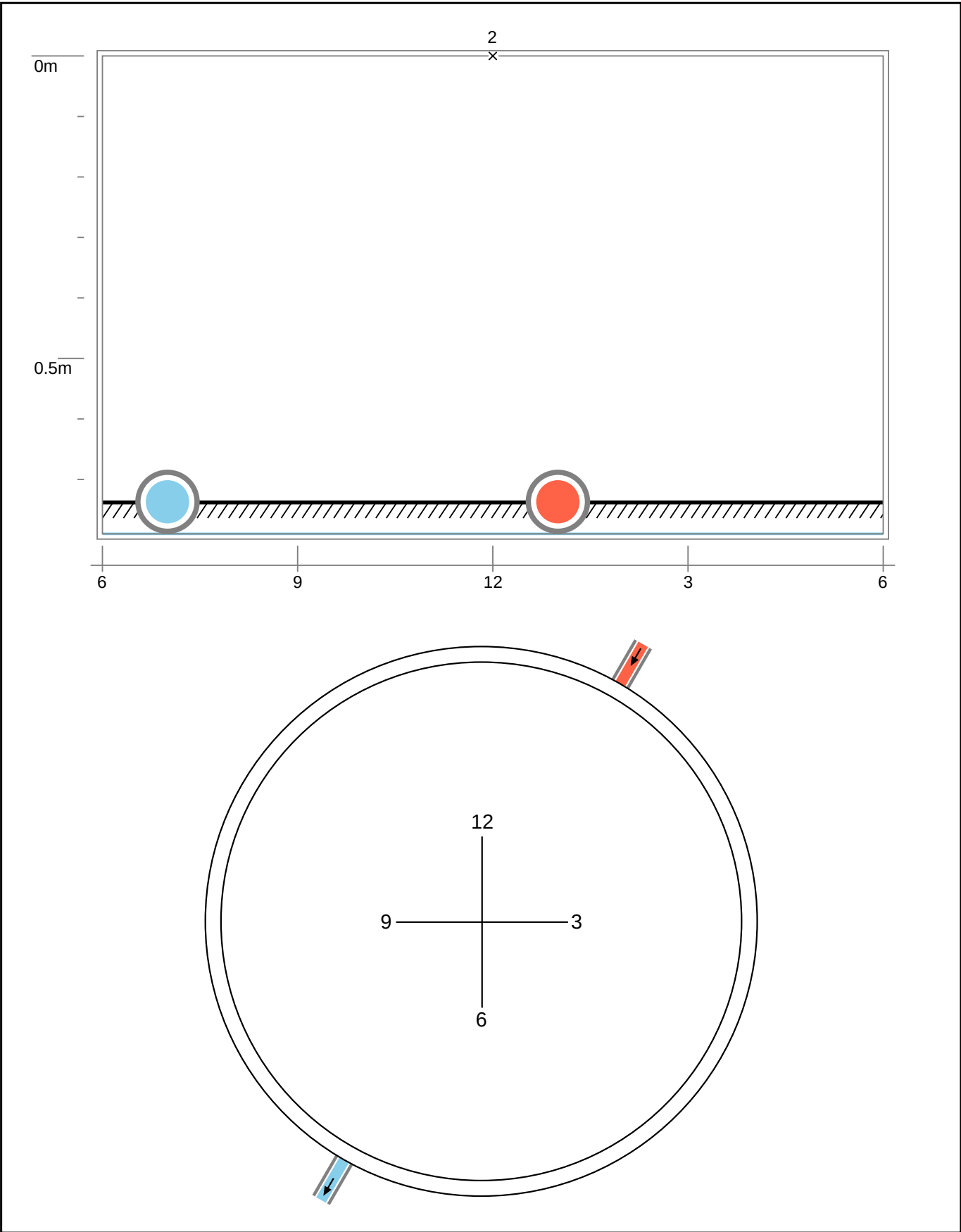
FW0_10975bbc-9b59-4ccc-b3f3-1bc6ccdae2b_20210125_154059.jpg, 0.00 m
General photograph taken at this point at 12 o'clock, location photograph



FW0_297b88ea-c95f-4ade-adf3-e6fe0aa89a06_20210125_154111.jpg, 0.00 m
General photograph taken at this point at 12 o'clock, internal condition photograph

Node Drawings - 25/01/2021 - FW0

Node No.	Node ID	Alternative ID	Client's Job Ref	Contractor's Job Ref
4	FW0			542720



Node Report					
Node ID FW4	Alternative ID Not Specified	Date 25/01/2021	Node Type Inspection chamber	Year Constructed 2020	Use Foul
Operator GB	Vehicle Not Specified	Client's Job Ref Not Specified	Contractor's Job Ref 542720	Node Depth 0.860 m	Criticality Unknown

General Node Information								
Road:		Land Ownership:	Public					
Town or Village:		Node Ownership:	Public					
Division or District:		National Grid Reference (X):						
Drainage Area:		National Grid Reference (Y):						
Location:	Road	Elevation / Cover Level (Z):						
General Node Inspection Information								
Weather:	Melting snow or ice	Vertical Ref.:	Cover (highest corner of frame or highest point on a circular frame)					
Temperature:	Below freezing	Circular Ref.:	6 o'clock					
Sheet Number:		Inspection Method:	Inspection from manhole or inspection chamber					
Status:	Public	Surcharge Level:	mm					
Toxic Atmosphere?	No	Evidence of Vermin?	N					
Flow Control:	No flow control	Inspection Purpose:	Sample survey to determine asset condition					
Cover Shape:	Rectangular	Cover Duty:	Medium					
Cover Hinge?	No	Cover Lock?	No					
Side Entry?	No	Regular Courses?	No					
Material:	Polvinyl Chloride	Construction Style:	Plastic					
Comments:								
Recommendations:								
Observations								
No.	Depth	Code	Observation	Remarks				
1	0.00 m	GP	General photograph taken at this point at 12 o'clock, location photograph					
2	0.00 m	GP	General photograph taken at this point at 12 o'clock, internal condition photograph					
Inlets & Outlets								
No.	Clock Position	Depth	Type	Shape	Dia/Height	Width	Pipe ID	Remarks
1	6	0.860 m	Outlet	Circular	100 mm		FW4X	
Cover								
Shape:	Rectangular			Dia/Length:	600 mm			
Material:	Cast Iron			Width:	600 mm			
Lowest Point:				Height:	25 mm			
Requires Attention?				Cover Duty:				
Remarks:								

Node Report					
Node ID FW4	Alternative ID Not Specified	Date 25/01/2021	Node Type Inspection chamber	Year Constructed 2020	Use Foul
Operator GB	Vehicle Not Specified	Client`s Job Ref Not Specified	Contractor`s Job Ref 542720	Node Depth 0.860 m	Criticality Unknown

Chamber			
Shape:	Circular	Dia/Length:	450 mm
Material:	Polvinyl Chloride	Width:	
Lowest Point:		Height:	860 mm
Requires Attention?		Segment Height:	
Remarks:			

Node Pictures - 25/01/2021 - FW4

Node No.	Node ID	Alternative ID	Client's Job Ref	Contractor's Job Ref
6	FW4			542720



FW4_8368e71d-b135-402c-aa22-d1078a06986b_20210125_161126.jpg, 0.00 m
 General photograph taken at this point at 12 o'clock, location photograph



FW4_03b60ff7-6ac0-46c5-8a64-c17bea6da07f_20210125_161137.jpg, 0.00 m
 General photograph taken at this point at 12 o'clock, internal condition photograph

Node Drawings - 25/01/2021 - FW4

Node No.	Node ID	Alternative ID	Client's Job Ref	Contractor's Job Ref
6	FW4			542720

