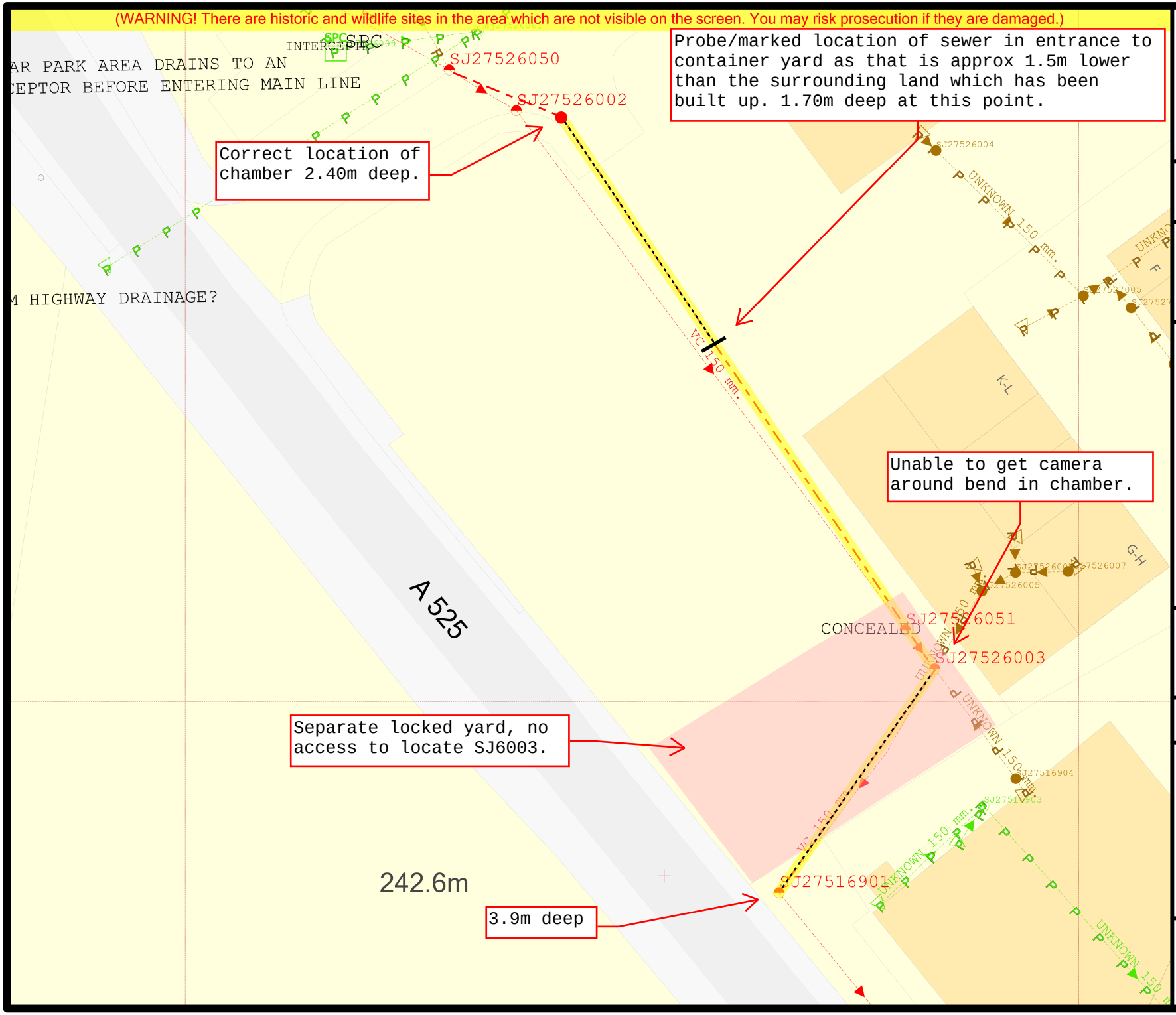


Dŵr Cymru
Welsh Water

--- Enter drawing title here ---

N
W E
S

Legend

- Sluice Valve
- Air Valve SINGLE
- Tap
- Pressure Reducing Valve
- Meter
- Bulk Meter
- Fire Hydrant
- Cap
- Non Dwr Cymru
- Existing Distribution Main
- Gravity Sewer
- Rising Main
- Outfall
- Pumping Station
- Lamphole
- Combined Sewer Overflow
- Special Purpose Chamber
- Treatment Works
- Private Sewer Transfer
- Lateral Drain
- Inspection Chamber

Sewer symbol colour indicates the sewer type
RED - COMBINED
GREEN - Surface Water
BROWN - Foul

Notes:

--- Type notes here ---
--- Remembering to manually add line breaks ---

Whilst every reasonable effort has been taken to correctly record the pipe material of DCWW assets, there is a possibility that in some cases pipe material (other than Asbestos Cement or Pitch Fibre) may be found to be asbestos cement (AC) or Pitch Fibre (PF) . It is therefore advisable that the possible presence of AC or PF pipes be anticipated and considered as part of any risk assessment prior to excavation.

Dwr Cymru Cyf gives this information as to the position of its underground apparatus by way of general guidance only on the strict understanding that it is based on the best information available and no warranty as to its correctness is relied upon in the event of excavations or other works made in the vicinity of the Company's apparatus and any onus of locating the apparatus before carrying out any excavations rests entirely on you. It must be understood that the furnishing of the information is entirely without prejudice to the provision of the New Roads and Streetworks Act 1991 and of the Company's right to be compensated for any damage to its apparatus.

Service pipes are not generally shown but their presence should be anticipated.

EXACT LOCATIONS OF ALL APPARATUS TO BE DETERMINED ON SITE.

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Map Ref:	327645, 352022
Map Scale:	1 : 562
Printed by:	DCWWL53754
Printed on:	28/01/2026













Project

Project Name:	97257168 Unit G_ Five Crosses Ind Est_ Minera
Project Description:	97257168 Unit G, Five Crosses Ind Est, Minera
Project Date:	28/01/2026
Inspection Standard:	MSCC5 Sewers & Drainage GB (SRM5 Scoring)

WINCAN

Project Information

Project Name	Project Number	Project Date
97257168 Unit G_ Five Crosses Ind Est_ Minera		28/01/2026

Project Summary

Project Name	Project Number	Project Date
97257168 Unit G_ Five Crosses Ind Est_ Minera		28/01/2026

Pipe Summary

No.	Type	PLR	Upstream Node	Downstream Node	Road	Town	Use	Mat.	Profile	Length
1	SEC	SJ27526002X	SJ27526002	SJ27526051	Five Crosses Ind Est	Minera	C	VC	Circular 150mm	72.00 m
2	SEC	SJ27526003X	SJ27526003	SJ27516901	Five Crosses Ind Est	Minera	C	VC	Circular 100mm	26.13 m
									Total:	**98.13 m**

Pipe Levels

No.	PLR	Upstream Node	Upstream C.L.	Upstream I.L.	Upstream I.D.	Downstream Node	Downstream C.L.	Downstream I.L.	Downstream I.D.
1	SJ27526002X	SJ27526002			2.400 m	SJ27526051			0.000 m
2	SJ27526003X	SJ27526003			0.000 m	SJ27516901			3.900 m

Pipe Summary by Profile

Profile		Total Length	No. Pipes
Circular 100mm		26.13 m	
Circular 100mm	=	26.13 m	1
Circular 150mm		72.00 m	
Circular 150mm	=	72.00 m	1
Total	**=**	**98.13 m**	**2**

Inspection Summary

Pipe No.	Insp. No.	Upstream Node	Downstream Node	Dir.	Operator	Insp. Date	Insp. Time	Str	Ser	Final Observation	Length
1	**1**	**SJ27526002**	**SJ27526051**	**DS**	**Richie Roberts Dcww**	**28/12/2025**	**9:58**	**1**	**4**	**SA, Due to obstruction.**	**34.28 m**

Project Summary

Project Name	Project Number	Project Date
97257168 Unit G_ Five Crosses Ind Est_ Minera		28/01/2026

Pipe No.	Insp. No.	Upstream Node	Downstream Node	Dir.	Operator	Insp. Date	Insp. Time	Str	Ser	Final Observation	Length
2	1	SJ27526003	SJ27516901	US	Richie Roberts Dcww	28/12/2025	9:58	1	1	MHF	26.13 m
										Total:	**60.41 m**

Inspection Summary by Profile

Profile		Total Length	No. Inspections
Circular 100mm		26.13 m	
Circular 100mm	=	26.13 m	1
Circular 150mm		34.28 m	
Circular 150mm	=	34.28 m	1
Total	**=**	**60.41 m**	**2**

Defect Summary

				CCTV Drainage Survey Observation Count																			
				General				Structural Condition									Service Condition						Misc	
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**	**SJ27526002**	**SJ27526051**	**34.3**	**4**	**1**													**18**				**2**	
2	1	SJ27526003	SJ27516901	26.1			2																	
			Total:	**60.4**	**4**	**1**	**2**												**18**				**2**	

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Section Inspection - 28/12/2025 - SJ27526002X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
1	1	28/12/25	9:58	97257168	No Rain Or Snow	No	SJ27526002X

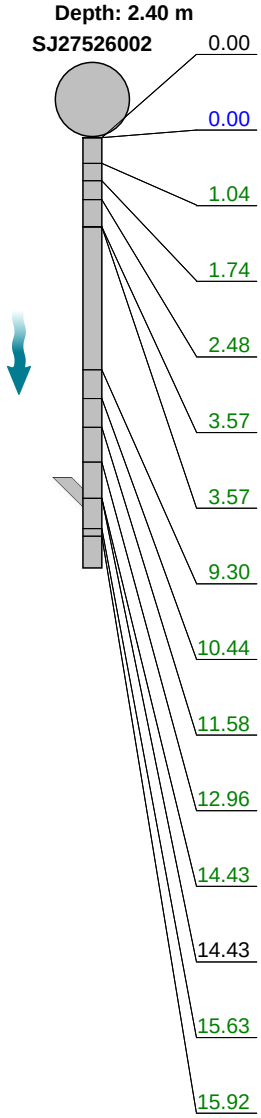
Operator	Vehicle	Camera	Preset Length	Criticality Grade	Alternative ID
Richie Roberts DCWW	CV69BVK	Solo-Pro	Not Specified	Category B	Not Specified

Town or Village:	Minera	**Inspection Direction:**	Downstream	**Upstream Node:**	SJ27526002
Road:	Five Crosses Ind Est	**Inspected Length:**	34.28 m	**Upstream Pipe Depth:**	2.400 m
Location:	Road	**Total Length:**	72.00 m	**Downstream Node:**	SJ27526051
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	

Use:	Combined	**Pipe Shape:**	Circular
Type of Pipe:		**Dia/Height:**	150 mm
Flow Control:	No flow control	**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments: DCA
Recommendations:

Scale: 1:302



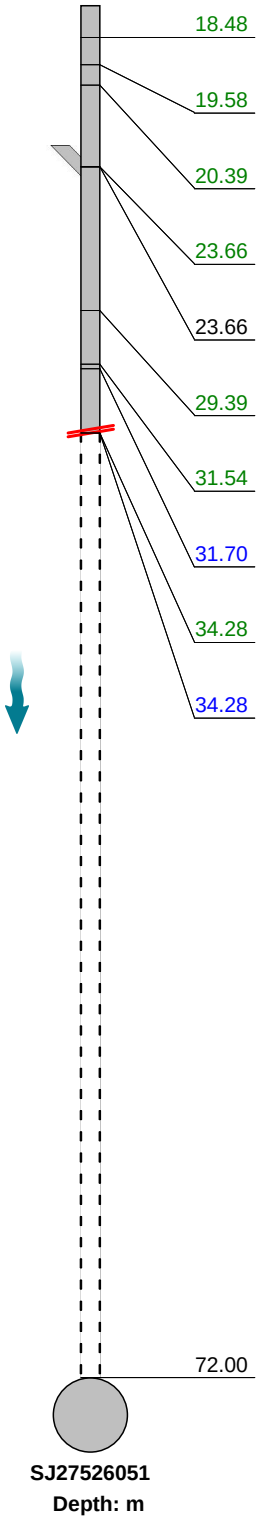
Position [m]	Code	Observation	MPEG	Photo	Grade
0.00	MH	Start node, manhole, reference: SJ27526002	00:00:00		
0.00	WL	Water level, 10% of the vertical dimension	00:00:01		
1.04	DEEJ	Attached deposits, encrustation at joint from 2 o'clock to 5 o'clock, 20% cross-sectional area loss	00:00:09	SJ27526002X_0decb4f-d0c4-	3
1.74	DEEJ	Attached deposits, encrustation at joint from 7 o'clock to 10 o'clock, 10% cross-sectional area loss	00:00:14	SJ27526002X_7504143a-9e68	3
2.48	DEEJ	Attached deposits, encrustation at joint from 1 o'clock to 5 o'clock, 30% cross-sectional area loss	00:00:19	SJ27526002X_e845c079-1831	4
3.57	DEEJ	Attached deposits, encrustation at joint from 7 o'clock to 10 o'clock, 10% cross-sectional area loss	00:00:46	SJ27526002X_2bd46079-7050	3
3.57	DEEJ	Attached deposits, encrustation at joint from 3 o'clock to 5 o'clock, 10% cross-sectional area loss	00:00:46	SJ27526002X_fbc10d06-3b08-	3
9.30	DEEJ	Attached deposits, encrustation at joint from 2 o'clock to 7 o'clock, 10% cross-sectional area loss	00:01:00	SJ27526002X_04442388-60e3	3
10.44	DEEJ	Attached deposits, encrustation at joint from 4 o'clock to 12 o'clock, 20% cross-sectional area loss	00:01:02	SJ27526002X_f6a27103-da68-	3
11.58	DEEJ	Attached deposits, encrustation at joint from 3 o'clock to 9 o'clock, 20% cross-sectional area loss	00:01:05	SJ27526002X_1b57b09b-6117	3
12.96	DEEJ	Attached deposits, encrustation at joint from 2 o'clock to 9 o'clock, 30% cross-sectional area loss	00:01:08	SJ27526002X_ad88403b-e4d2	4
14.43	DEE	Attached deposits, encrustation from 12 o'clock to 6 o'clock, 20% cross-sectional area loss	00:01:12	SJ27526002X_b8f6860e-8519-	3
14.43	JN	Junction at 2 o'clock, 100mm dia	00:01:12		
15.63	DEEJ	Attached deposits, encrustation at joint from 9 o'clock to 5 o'clock, 20% cross-sectional area loss	00:01:15	SJ27526002X_f9158607-f519-4	3
15.92	DEEJ	Attached deposits, encrustation at joint from 7 o'clock to 5 o'clock, 20% cross-sectional area loss	00:01:17	SJ27526002X_9b10fbb0-fb31-4	3

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Section Inspection - 28/12/2025 - SJ27526002X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
1	1	28/12/25	9:58	97257168	No Rain Or Snow	No	SJ27526002X

Operator	Vehicle	Camera	Preset Length	Criticality Grade	Alternative ID
Richie Roberts DCWW	CV69BVK	Solo-Pro	Not Specified	Category B	Not Specified



Scale: 1:302	Position [m]	Code	Observation	MPEG	Photo	Grade
	18.48	DEEJ	Attached deposits, encrustation at joint from 6 o'clock to 10 o'clock, 20% cross-sectional area loss	00:01:23	SJ275260 02X_1699 6a93-5675	3
	19.58	DEE	Attached deposits, encrustation from 3 o'clock to 6 o'clock, 10% cross-sectional area loss	00:01:26	SJ275260 02X_9eb1 694d-dd32	3
	20.39	DEEJ	Attached deposits, encrustation at joint from 2 o'clock to 10 o'clock, 30% cross-sectional area loss	00:01:27	SJ275260 02X_1a53 7dc4-24f0-	4
	23.66	DEE	Attached deposits, encrustation from 1 o'clock to 5 o'clock, 20% cross-sectional area loss	00:01:35	SJ275260 02X_155a 1ed5-5c3e	3
	23.66	JN	Junction at 1 o'clock, 100mm dia	00:01:35		
	29.39	DEEJ	Attached deposits, encrustation at joint from 3 o'clock to 6 o'clock, 20% cross-sectional area loss	00:01:48	SJ275260 02X_454fc 4b9-a938-	3
	31.54	DEEJ	Attached deposits, encrustation at joint from 7 o'clock to 11 o'clock, 10% cross-sectional area loss	00:01:53	SJ275260 02X_c40a 4ea2-694b	3
	31.70	WL	Water level, 40% of the vertical dimension	00:01:53		
	34.28	DEX	Settled deposits, other, 40% cross-sectional area loss: Unknown obstruction.	00:03:19	SJ275260 02X_f5f34 d0d-74ed-	4
	34.28	SA	Survey abandoned: Due to obstruction.	00:03:19		
	72.00		End of pipe			

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	19	5.0	0.7	50.0	4.0

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Section Pictures - 28/12/2025 - SJ27526002X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
1	Downstream	SJ27526002X	97257168	



SJ27526002X_0deccb4f-d0c4-42a6-b171-3c8af0f24874_20260128_115513_985.jpg, 00:00:09, 1.04 m
Attached deposits, encrustation at joint from 2 o'clock to 5 o'clock, 20% cross-sectional area loss



SJ27526002X_7504143a-9e68-4699-91a9-ed8135e9104d_20260128_115537_891.jpg, 00:00:14, 1.74 m
Attached deposits, encrustation at joint from 7 o'clock to 10 o'clock, 10% cross-sectional area loss



SJ27526002X_e845c079-1831-4b79-8513-d914a3abe8b2_20260128_115604_697.jpg, 00:00:19, 2.48 m
Attached deposits, encrustation at joint from 1 o'clock to 5 o'clock, 30% cross-sectional area loss



SJ27526002X_2bd46079-7050-4d1e-a4ce-de1356fc74d5_20260128_115649_706.jpg, 00:00:46, 3.57 m
Attached deposits, encrustation at joint from 7 o'clock to 10 o'clock, 10% cross-sectional area loss

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Section Pictures - 28/12/2025 - SJ27526002X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
1	Downstream	SJ27526002X	97257168	



SJ27526002X_fbc10d06-3b08-4f89-aff5-3adb511b3765_20260128_115721_978.jpg, 00:00:46, 3.57 m
Attached deposits, encrustation at joint from 3 o'clock to 5 o'clock, 10% cross-sectional area loss



SJ27526002X_04442388-60e3-4553-8229-d1cc8110451f_20260128_115809_976.jpg, 00:01:00, 9.30 m
Attached deposits, encrustation at joint from 2 o'clock to 7 o'clock, 10% cross-sectional area loss



SJ27526002X_f6a27103-da68-4f95-b7fc-d66ee256668b_20260128_115836_136.jpg, 00:01:02, 10.44 m
Attached deposits, encrustation at joint from 4 o'clock to 12 o'clock, 20% cross-sectional area loss



SJ27526002X_1b57b09b-6117-4183-b5c8-cdfc4a16d27c_20260128_115912_738.jpg, 00:01:05, 11.58 m
Attached deposits, encrustation at joint from 3 o'clock to 9 o'clock, 20% cross-sectional area loss

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Section Pictures - 28/12/2025 - SJ27526002X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
1	Downstream	SJ27526002X	97257168	



SJ27526002X_ad88403b-e4d2-445f-a668-482cea3c01ef_20260128_115943_994.jpg, 00:01:08, 12.96 m
Attached deposits, encrustation at joint from 2 o'clock to 9 o'clock, 30% cross-sectional area loss



SJ27526002X_b8f6860e-8519-43a3-bdbb-dd5d04fe3cce_20260128_120014_906.jpg, 00:01:12, 14.43 m
Attached deposits, encrustation from 12 o'clock to 6 o'clock, 20% cross-sectional area loss



SJ27526002X_f9158607-f519-47f2-a6d9-58a3ff8fb603_20260128_120056_274.jpg, 00:01:15, 15.63 m
Attached deposits, encrustation at joint from 9 o'clock to 5 o'clock, 20% cross-sectional area loss



SJ27526002X_9b10fbb0-fb31-4e18-8244-568f43993b67_20260128_120115_193.jpg, 00:01:17, 15.92 m
Attached deposits, encrustation at joint from 7 o'clock to 5 o'clock, 20% cross-sectional area loss

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Section Pictures - 28/12/2025 - SJ27526002X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
1	Downstream	SJ27526002X	97257168	



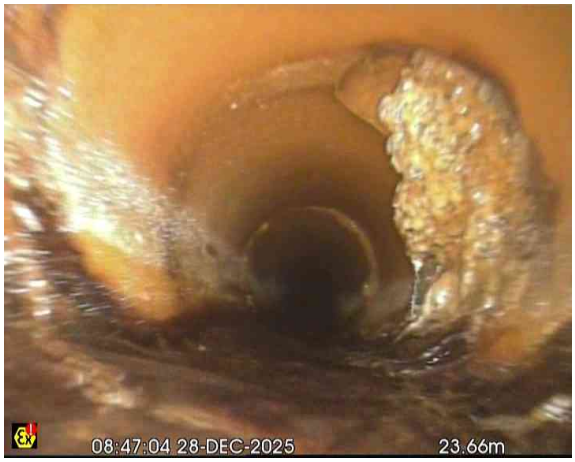
SJ27526002X_16996a93-5675-49d4-87b6-e474beaad811_20260128_120149_952.jpg, 00:01:23, 18.48 m
Attached deposits, encrustation at joint from 6 o'clock to 10 o'clock, 20% cross-sectional area loss



SJ27526002X_9eb1694d-dd32-4280-a121-7bea8217bd72_20260128_120229_609.jpg, 00:01:26, 19.58 m
Attached deposits, encrustation from 3 o'clock to 6 o'clock, 10% cross-sectional area loss



SJ27526002X_1a537dc4-24f0-476c-8322-d0ef4cc3d63a_20260128_120323_434.jpg, 00:01:27, 20.39 m
Attached deposits, encrustation at joint from 2 o'clock to 10 o'clock, 30% cross-sectional area loss



SJ27526002X_155a1ed5-5c3e-44e9-913b-19b583d77dd9_20260128_120349_426.jpg, 00:01:35, 23.66 m
Attached deposits, encrustation from 1 o'clock to 5 o'clock, 20% cross-sectional area loss

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Section Pictures - 28/12/2025 - SJ27526002X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
1	Downstream	SJ27526002X	97257168	



SJ27526002X_454fc4b9-a938-4f1f-8dea-9acd2c86f066_20260128_120451_084.jpg, 00:01:48, 29.39 m
Attached deposits, encrustation at joint from 3 o'clock to 6 o'clock, 20% cross-sectional area loss



SJ27526002X_c40a4ea2-694b-4492-85bf-c0888b25c444_20260128_120514_477.jpg, 00:01:53, 31.54 m
Attached deposits, encrustation at joint from 7 o'clock to 11 o'clock, 10% cross-sectional area loss



SJ27526002X_f5f34d0d-74ed-48ed-9fe3-1d5fae4f6558_20260128_120944_115.jpg, 00:03:19, 34.28 m
Settled deposits, other, 40% cross-sectional area loss, Unknown obstruction.

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Section Inspection - 28/12/2025 - SJ27526003X

Item No.	Insp. No.	Date	Time	Client`s Job Ref	Weather	Pre Cleaned	PLR
2	1	28/12/25	9:58	97257168	No Rain Or Snow	No	SJ27526003X

Operator	Vehicle	Camera	Preset Length	Criticality Grade	Alternative ID
Richie Roberts DCWW	CV69BVK	Solo-Pro	Not Specified	Category A	Not Specified

Town or Village:	Minera	**Inspection Direction:**	Upstream	**Upstream Node:**	SJ27526003
Road:	Five Crosses Ind Est	**Inspected Length:**	26.13 m	**Upstream Pipe Depth:**	
Location:	Verge	**Total Length:**	26.13 m	**Downstream Node:**	SJ27516901
Surface Type:		**Joint Length:**		**Downstream Pipe Depth:**	3.900 m

Use:	Combined	**Pipe Shape:**	Circular
Type of Pipe:		**Dia/Height:**	100 mm
Flow Control:	No flow control	**Material:**	Vitrified clay
Year Constructed:	Not Specified	**Lining Type:**	No Lining
Inspection Purpose:	Sample condition survey	**Lining Material:**	No Lining

Comments: DCA
Recommendations:

Scale: 1:227



Position [m]		Code	Observation	MPEG	Photo	Grade
Depth: 3.90 m						
SJ27516901						
0.00		MH	Start node, manhole, reference: SJ27516901	00:00:00		
0.00	S01	CUW	Loss of vision, camera under water, start	00:00:01		
26.13	F01	CUW	Loss of vision, camera under water, finish	00:02:42		
26.13		MHF	Finish node, manhole, reference: SJ27526003	00:02:42	SJ275260 03X_2a75 e6c1-0164	
SJ27526003						
Depth: 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

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Section Pictures - 28/12/2025 - SJ27526003X

Item No.	Inspection Direction	PLR	Client`s Job Ref	Contractor`s Job Ref
2	Upstream	SJ27526003X	97257168	



SJ27526003X_2a75e6c1-0164-4d11-9ec0-dfcbc95b9e0e_20260128_121315_210.jpg, 00:02:42, 26.13 m
Finish node, manhole, reference: SJ27526003