


# Profile/Photo Observation Report



Date:	12/05/2024	Weather:		Coding:	PACP 7.0
Pipe Length (ft):	251.0	Owner:	City of Hobart	Pre Clean:	Heavy Cleaning
P.O.#:	YES502259	Surveyor:	S. Bucklin	PSR:	P-507-075-076
Customer:	City of Hobart	Clean Date:	09/05/2024	Shape:	C

Street:	West 10th Street	Flow Control:	Not Controlled
City:	Hobart, IN	Year Renewed:	
Location:	Easement/Right of Way	Tape/Media #:	
Purpose:	Sewer System Evaluation Survey (SS)	Dia/Height:	10"
Use:	Sanitary Sewage Pipe	Material:	VCP
Drain Area:		Lining:	None
Category:	NA		
Comment:			
Location Details:		Direction of Survey:	Downstream
US MH:	M-507-075	DS MH:	M-507-076
		Total Length Surveyed (ft):	328.2

O&M Index:	1.14	O&M Quick:	3225	O&M Rating:	72.00
Structural Index:	2.26	Structural Quick:	5244	Structural Rating:	149.00
Overall Index:	1.71	Overall Quick:	5244	Overall Rating:	221.00

Position	Code	Observation	Video (sec)	Grade
				
.0	AMH	Manhole	0	NA
.0	MWL	Miscellaneous Water Level	11	NA
1.5	MGO	Miscellaneous General Observation	19	NA
2.3	SZ	Surface Damage Other	84	NA
16.8	MWLS(S01)	Miscellaneous Water Level Sag	155	S 2
48.0	RFJ(S02)	Roots Fine Joint	316	M 1
55.1	SSS	Surface Damage Surface Spalling	434	S 2
55.2	RFB	Roots Fine Barrel	457	M 2
55.2	TBI	Tap Break-in Intruding	474	M 2
71.7	SSS	Surface Damage Surface Spalling	601	S 2
110.0	SSS	Surface Damage Surface Spalling	771	S 2
110.0	TS	Tap Saddle	785	NA
113.5	MWLS(F01)	Miscellaneous Water Level Sag	812	S 2
126.2	MWLS(S03)	Miscellaneous Water Level Sag	902	S 2
135.2	MWLS(F03)	Miscellaneous Water Level Sag	946	S 2
138.6	BVV	Broken Void Visible	1104	S 5
139.1	JOLD	Joint Offset Large Defective	1187	S 4
139.1	MWLS(S04)	Miscellaneous Water Level Sag	1196	S 2
143.9	MWLS(F04)	Miscellaneous Water Level Sag	1249	S 2

147.0	MWLS(S05)	Miscellaneous Water Level Sag	1277	S 2
151.5	JOMD	Joint Offset Medium Defective	1314	S 3
153.7	MWLS(F05)	Miscellaneous Water Level Sag	1346	S 2
154.3	JAM	Joint Angular Medium	1384	S 3
156.6	MWLS(S06)	Miscellaneous Water Level Sag	1409	S 2
163.4	JOM	Joint Offset Medium	1458	S 3
163.4	RPRD(S07)	Point Repair Replacement Defective	1498	S 4
173.0	RPRD(F07)	Point Repair Replacement Defective	1590	S 4
173.0	RFJ(F02)	Roots Fine Joint	1602	M 1
173.0	MWLS(F06)	Miscellaneous Water Level Sag	1611	S 2
183.1	MWLS(S08)	Miscellaneous Water Level Sag	1684	S 2
184.7	RFJ(S09)	Roots Fine Joint	1735	M 1
228.3	MWLS(F08)	Miscellaneous Water Level Sag	1994	S 2
234.3	MWLS(S10)	Miscellaneous Water Level Sag	2027	S 2
250.0	MWLS(F10)	Miscellaneous Water Level Sag	2090	S 2
262.4	SSS	Surface Damage Surface Spalling	2186	S 2
262.4	RFB	Roots Fine Barrel	2197	M 2
262.7	TBD	Tap Break-in/Hammer Defective	2231	M 3
262.7	MWLS(S11)	Miscellaneous Water Level Sag	2245	S 2
268.6	SSS	Surface Damage Surface Spalling	2296	S 2
268.6	TBI	Tap Break-in Intruding	2316	M 2
288.7	SSS	Surface Damage Surface Spalling	2439	S 2
288.7	RFC	Roots Fine Connection	2447	M 1
288.7	TBD	Tap Break-in/Hammer Defective	2464	M 3
300.4	RTJ	Roots Tap Joint	2558	M 2
322.0	BSV	Broken Soil Visible	2732	S 5
322.0	RFJ	Roots Fine Joint	2749	M 1
322.0	FM	Fracture Multiple	2761	S 4
328.0	RFJ(F09)	Roots Fine Joint	2848	M 1
328.0	MWLS(F11)	Miscellaneous Water Level Sag	2856	S 2
328.2	AMH	Manhole	2934	NA

M-507-076



Code: **AMH**  
Description: **Manhole**

Distance (ft): **.0**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks: **M-507-075**

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Code: **MWL**  
Description: **Miscellaneous Water Level**

Distance (ft): **.0**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

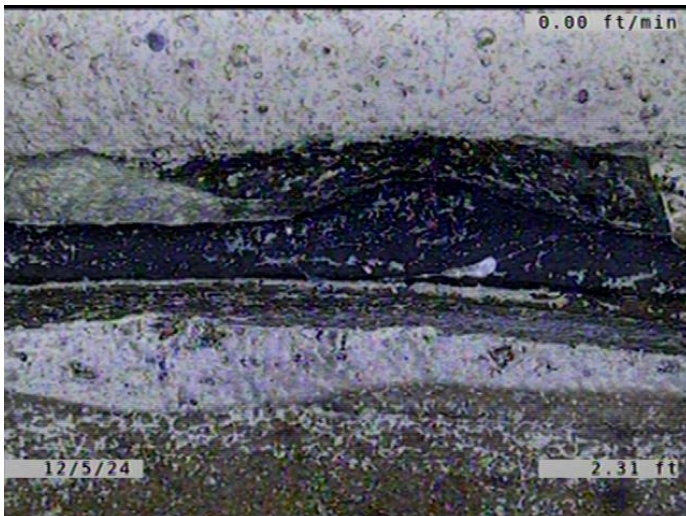
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Code: **MGO**  
 Description: **Miscellaneous General Observation**

Distance (ft): **1.5**  
 Structural Grade: **0**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks: **MANHOLE CHANNEL IS MISSING. HAD TO START IN THE PIPE.**

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Code: **SZ**  
 Description: **Surface Damage Other**

Distance (ft): **2.3**  
 Structural Grade: **0**  
 O&M Grade: **0**  
 Clock Start/From: **11**  
 Clock To: **12**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks: **A PIECE CHIPPED AWAY FROM THE JOINT.**

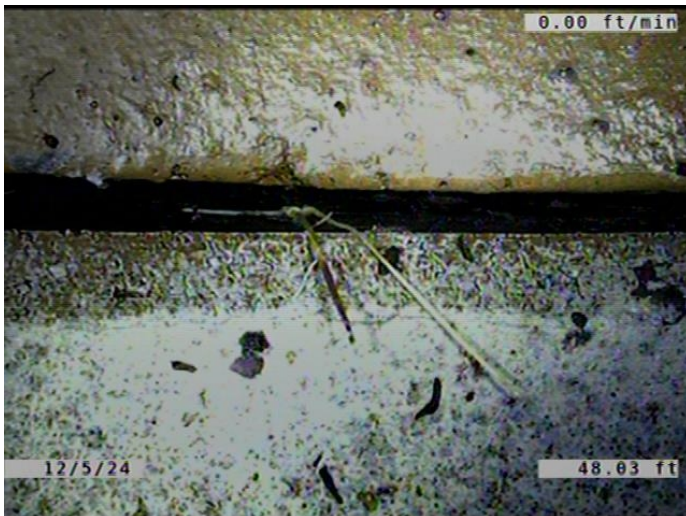
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Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

Distance (ft): **16.8**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **20.000**  
Continuous Index: **S01**  
Within 8" of Joint: **NO**  
Remarks:

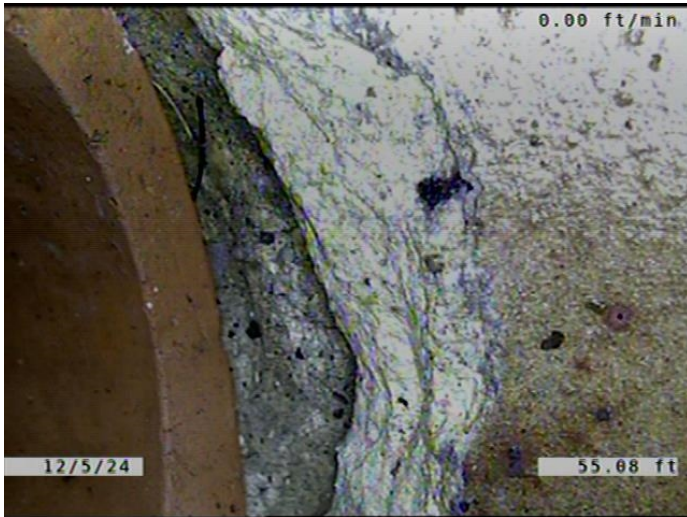
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Code: **RFJ**  
Description: **Roots Fine Joint**

Distance (ft): **48.0**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **9**  
Clock To: **3**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **S02**  
Within 8" of Joint: **YES**  
Remarks:

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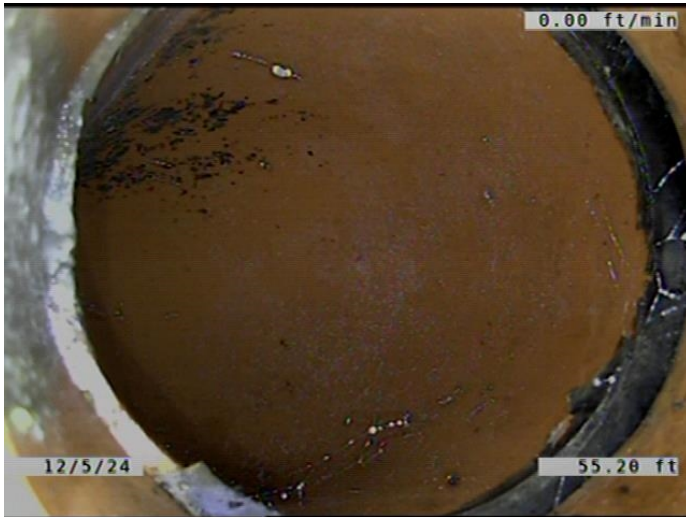
Code: **SSS**  
 Description: **Surface Damage Surface Spalling**

Distance (ft): **55.1**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From: **10**  
 Clock To: **12**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



Code: **RFB**  
 Description: **Roots Fine Barrel**

Distance (ft): **55.2**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **10**  
 Clock To: **12**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:



Code: **TBI**  
Description: **Tap Break-in Intruding**

Distance (ft): **55.2**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **11**  
Clock To:  
1st Value: **6.000**  
2nd Value: **1.000**  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks: **SERVICE CONNECTION TO MAIN DOESNT LOOK SEATED TO THE SERVI**

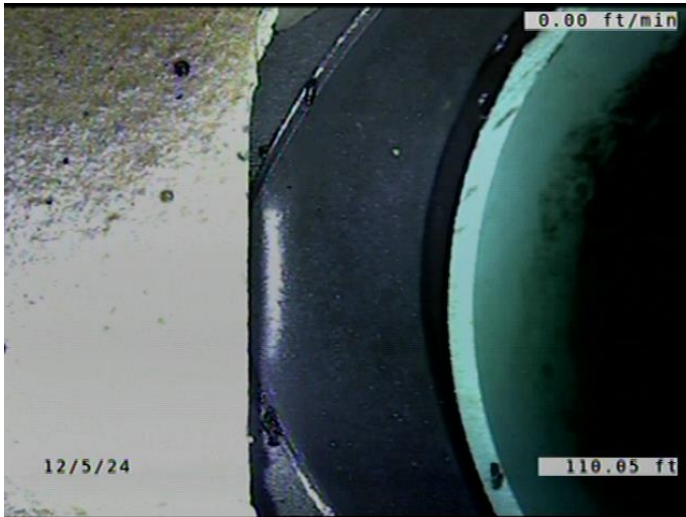
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Code: **SSS**  
Description: **Surface Damage Surface Spalling**

Distance (ft): **71.7**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From: **11**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

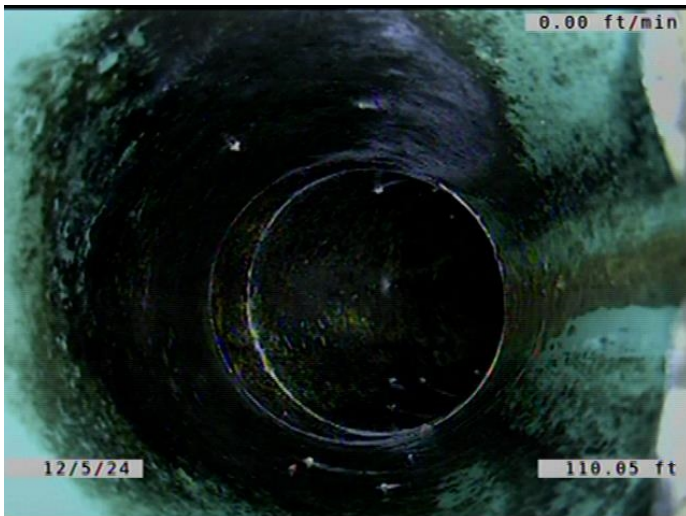
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Code: **SSS**  
Description: **Surface Damage Surface Spalling**

Distance (ft): **110.0**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From: **1**  
Clock To: **3**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

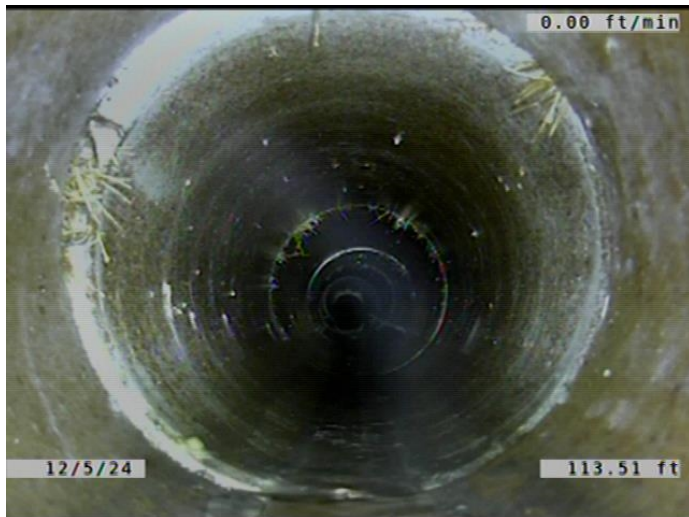
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Code: **TS**  
Description: **Tap Saddle**

Distance (ft): **110.0**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From: **2**  
Clock To:  
1st Value: **6.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks: **SERVICE IS PVC.**

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Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

Distance (ft): **113.5**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **20.000**  
Continuous Index: **F01**  
Within 8" of Joint: **NO**  
Remarks:

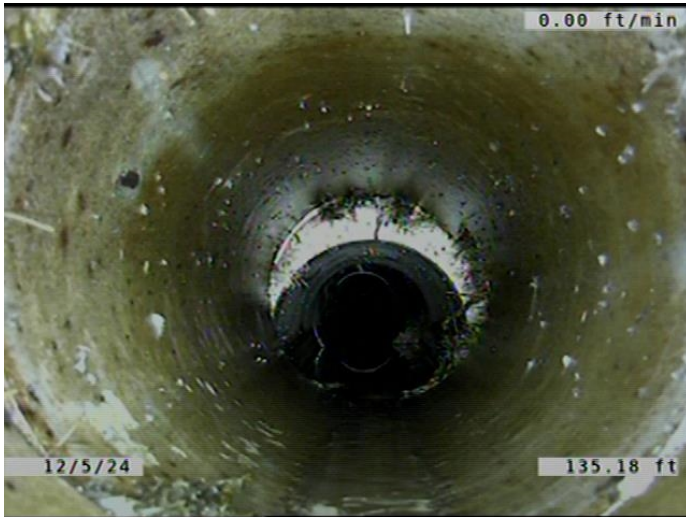
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Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

Distance (ft): **126.2**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **10.000**  
Continuous Index: **S03**  
Within 8" of Joint: **NO**  
Remarks:

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Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

Distance (ft): **135.2**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **10.000**  
Continuous Index: **F03**  
Within 8" of Joint: **NO**  
Remarks:

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Code: **BVV**  
Description: **Broken Void Visible**

Distance (ft): **138.6**  
Structural Grade: **5**  
O&M Grade: **0**  
Clock Start/From: **2**  
Clock To: **8**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks: **PIPE MISSING FROM 5-8 AND PIPE  
PUSHED BACK FROM 2-5.**

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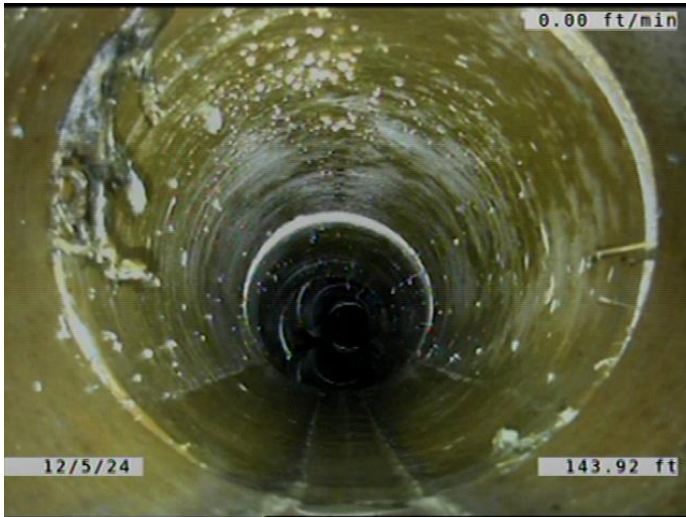
Code: **JOLD**  
 Description: **Joint Offset Large Defective**

Distance (ft): **139.1**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks: **Soil visible**



Code: **MWLS**  
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **139.1**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **20.000**  
 Continuous Index: **S04**  
 Within 8" of Joint: **NO**  
 Remarks:



Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

Distance (ft): **143.9**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **20.000**  
Continuous Index: **F04**  
Within 8" of Joint: **NO**  
Remarks:

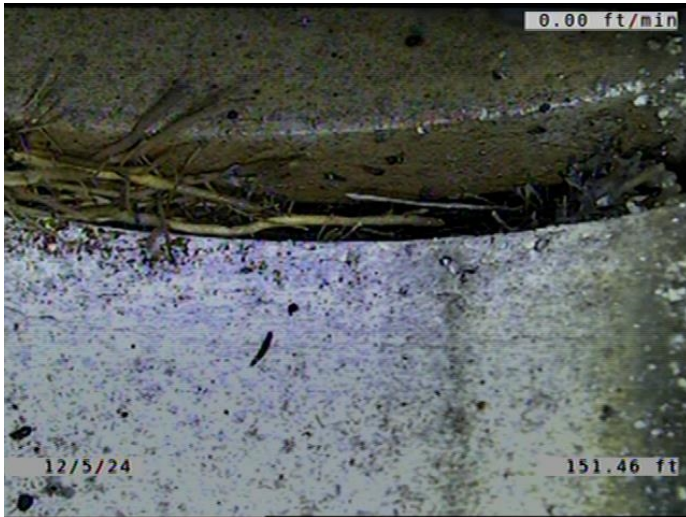
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Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

Distance (ft): **147.0**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **15.000**  
Continuous Index: **S05**  
Within 8" of Joint: **NO**  
Remarks:

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Code: **JOMD**  
Description: **Joint Offset Medium Defective**

Distance (ft): **151.5**  
Structural Grade: **3**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

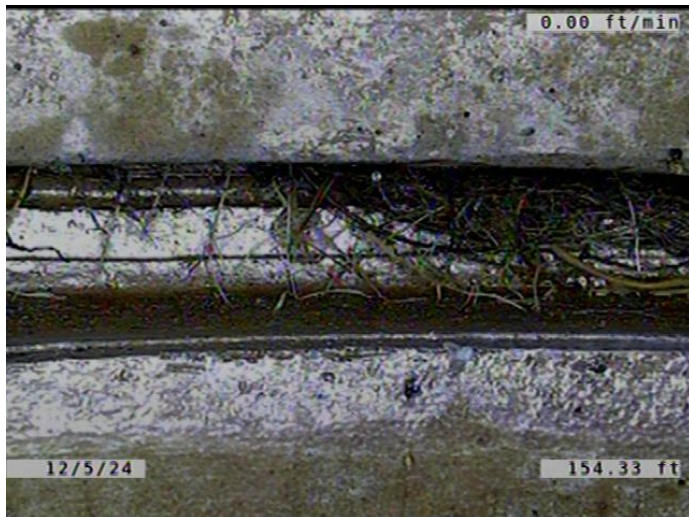
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Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

Distance (ft): **153.7**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **15.000**  
Continuous Index: **F05**  
Within 8" of Joint: **NO**  
Remarks:

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Code: **JAM**  
Description: **Joint Angular Medium**

Distance (ft): **154.3**  
Structural Grade: **3**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

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Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

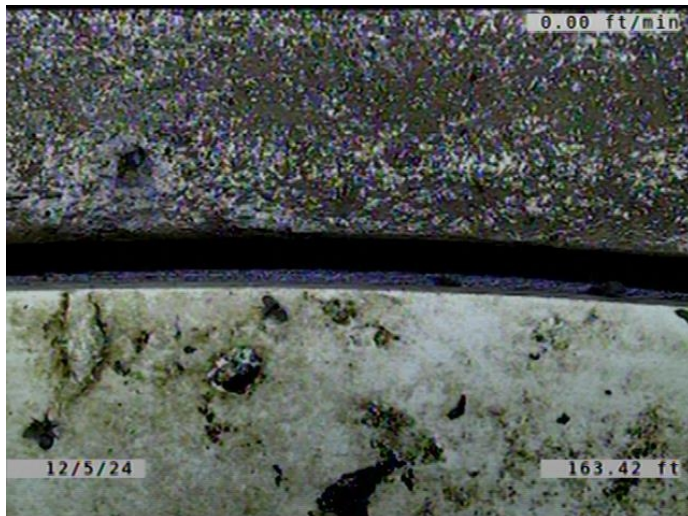
Distance (ft): **156.6**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **20.000**  
Continuous Index: **S06**  
Within 8" of Joint: **NO**  
Remarks:

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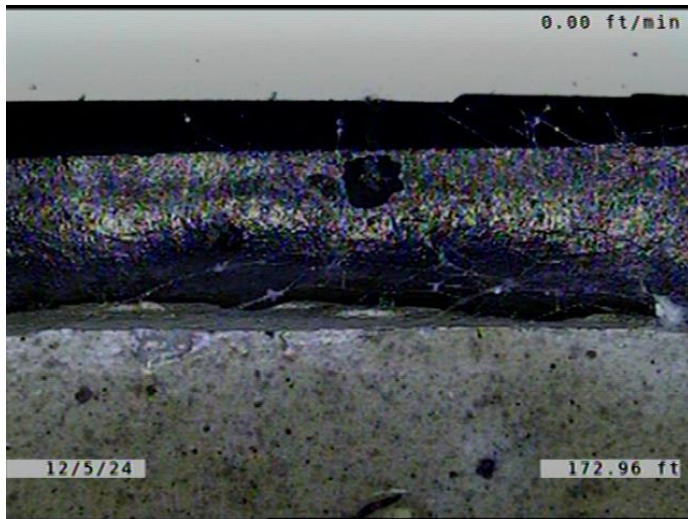
Code: **JOM**  
Description: **Joint Offset Medium**

Distance (ft): **163.4**  
Structural Grade: **3**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:



Code: **RPRD**  
Description: **Point Repair Replacement Defective**

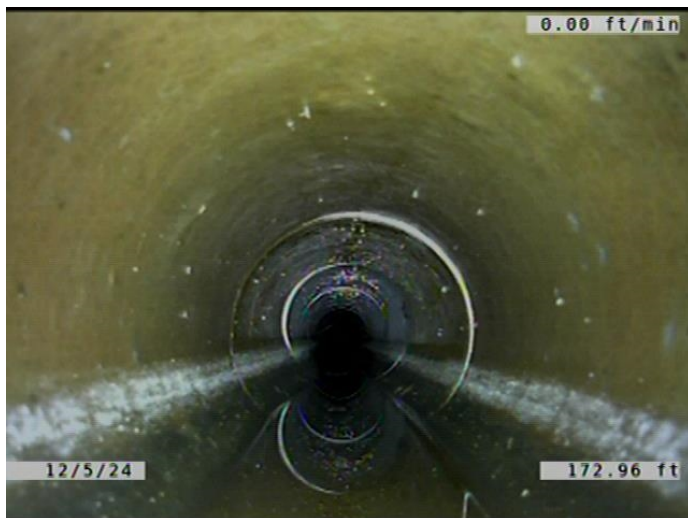
Distance (ft): **163.4**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **S07**  
Within 8" of Joint: **YES**  
Remarks: **REPLACED WITH PVC.**



Code: **RPRD**  
Description: **Point Repair Replacement Defective**

Distance (ft): **173.0**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **F07**  
Within 8" of Joint: **YES**  
Remarks: **REPLACED WITH PVC.**

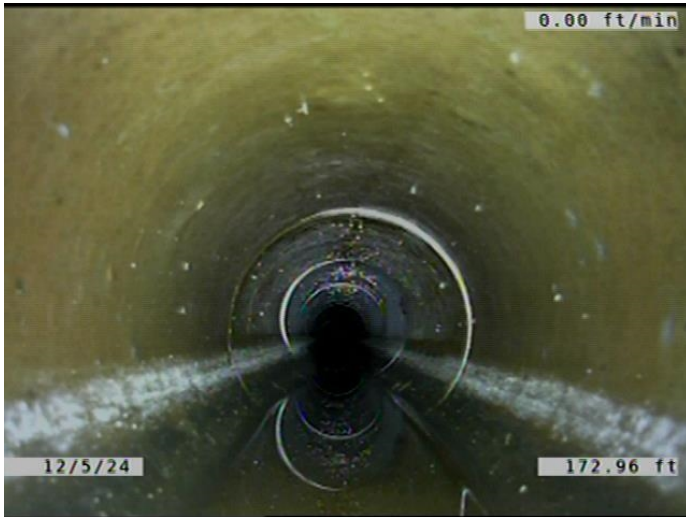
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Code: **RFJ**  
Description: **Roots Fine Joint**

Distance (ft): **173.0**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **9**  
Clock To: **3**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **F02**  
Within 8" of Joint: **YES**  
Remarks:

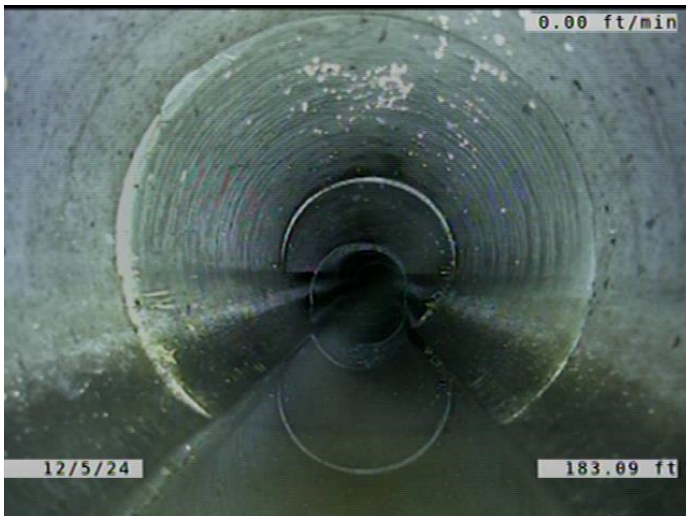
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Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

Distance (ft): **173.0**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **20.000**  
Continuous Index: **F06**  
Within 8" of Joint: **NO**  
Remarks:

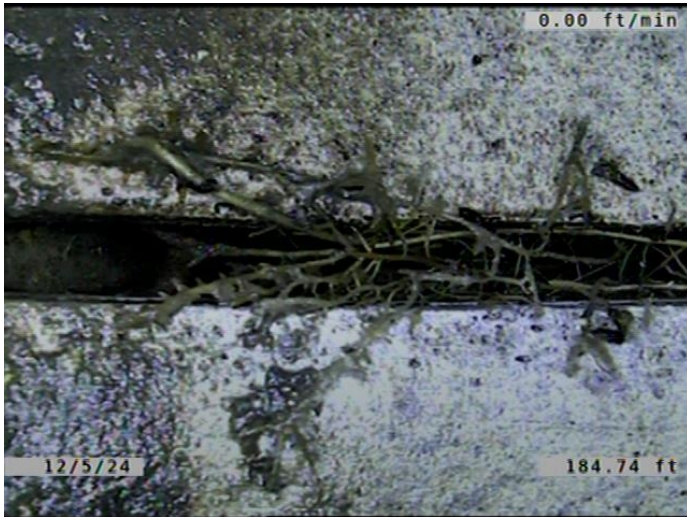
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Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

Distance (ft): **183.1**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **20.000**  
Continuous Index: **S08**  
Within 8" of Joint: **NO**  
Remarks:

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Code: **RFJ**  
Description: **Roots Fine Joint**

Distance (ft): **184.7**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **8**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **S09**  
Within 8" of Joint: **YES**  
Remarks:

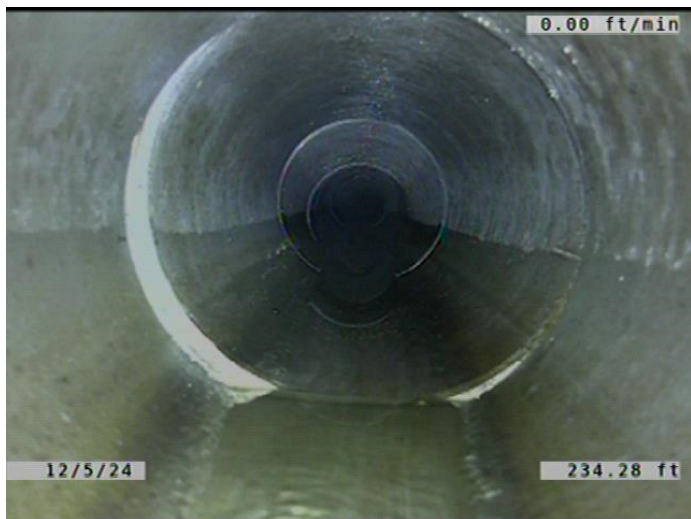
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Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

Distance (ft): **228.3**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **20.000**  
Continuous Index: **F08**  
Within 8" of Joint: **NO**  
Remarks:

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Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

Distance (ft): **234.3**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **10.000**  
Continuous Index: **S10**  
Within 8" of Joint: **NO**  
Remarks:

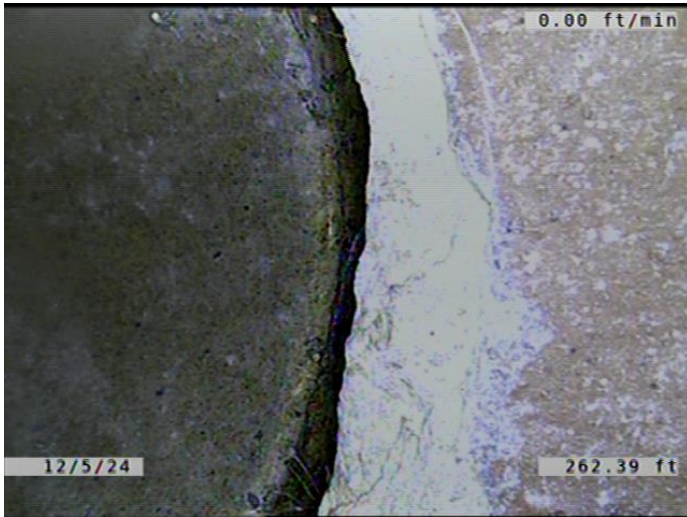
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Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

Distance (ft): **250.0**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **10.000**  
Continuous Index: **F10**  
Within 8" of Joint: **NO**  
Remarks:

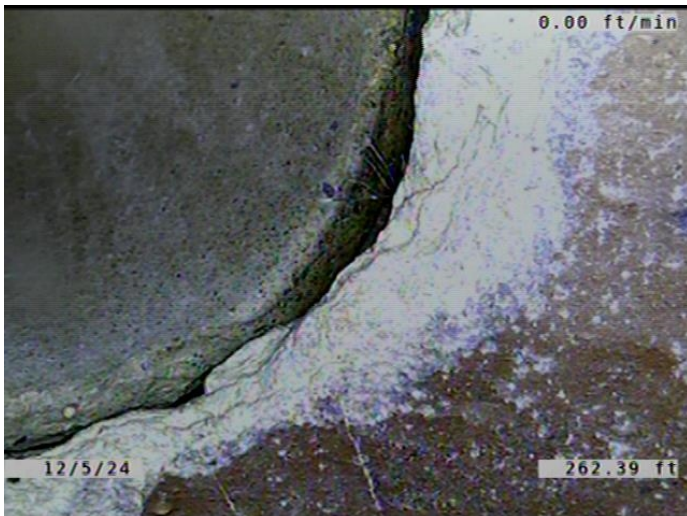
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Code: **SSS**  
Description: **Surface Damage Surface Spalling**

Distance (ft): **262.4**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From: **11**  
Clock To: **1**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

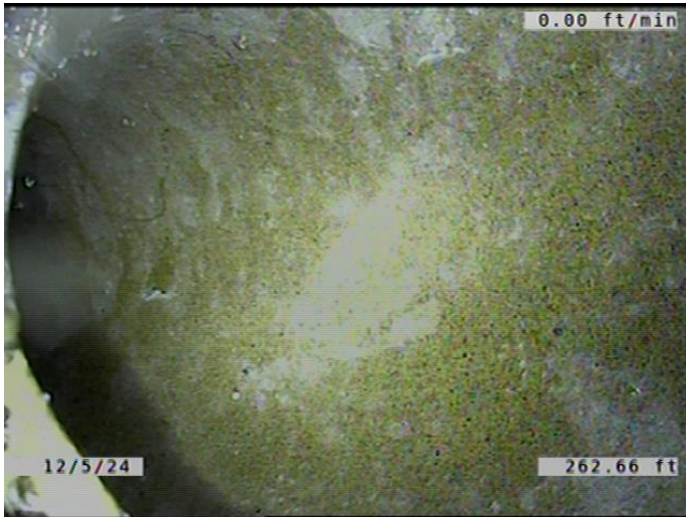
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Code: **RFB**  
Description: **Roots Fine Barrel**

Distance (ft): **262.4**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **11**  
Clock To: **1**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

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Code: **TBD**  
 Description: **Tap Break-in/Hammer Defective**

Distance (ft): **262.7**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **11**  
 Clock To:  
 1st Value: **6.000**  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks: **Defective**

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Code: **MWLS**  
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **262.7**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **15.000**  
 Continuous Index: **S11**  
 Within 8" of Joint: **NO**  
 Remarks:

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Code: **SSS**  
Description: **Surface Damage Surface Spalling**

Distance (ft): **268.6**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From: **12**  
Clock To: **2**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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Code: **TBI**  
Description: **Tap Break-in Intruding**

Distance (ft): **268.6**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **1**  
Clock To:  
1st Value: **6.000**  
2nd Value: **1.000**  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks: **CONSTANTLY RUNNING WATER.**

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Code: **SSS**  
Description: **Surface Damage Surface Spalling**

Distance (ft): **288.7**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From: **10**  
Clock To: **1**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

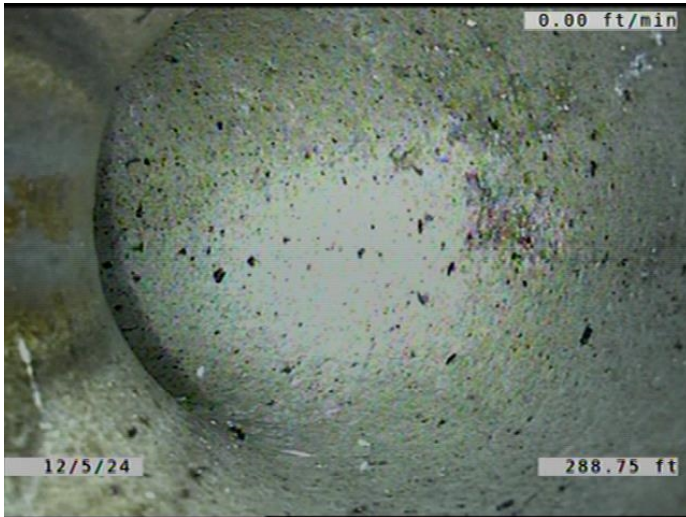
---



Code: **RFC**  
Description: **Roots Fine Connection**

Distance (ft): **288.7**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **10**  
Clock To: **1**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

---



Code: **TBD**  
Description: **Tap Break-in/Hammer Defective**

Distance (ft): **288.7**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **11**  
Clock To:  
1st Value: **6.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks: **CONSTANTLY RUNNING WATER.**

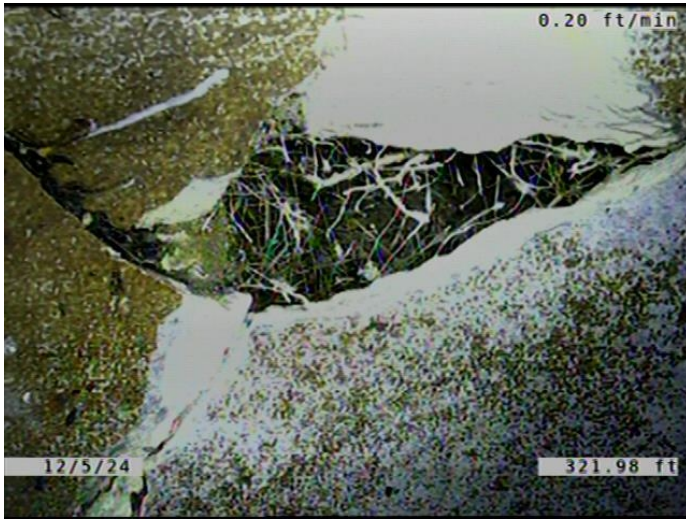
---



Code: **RTJ**  
Description: **Roots Tap Joint**

Distance (ft): **300.4**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **11**  
Clock To: **1**  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

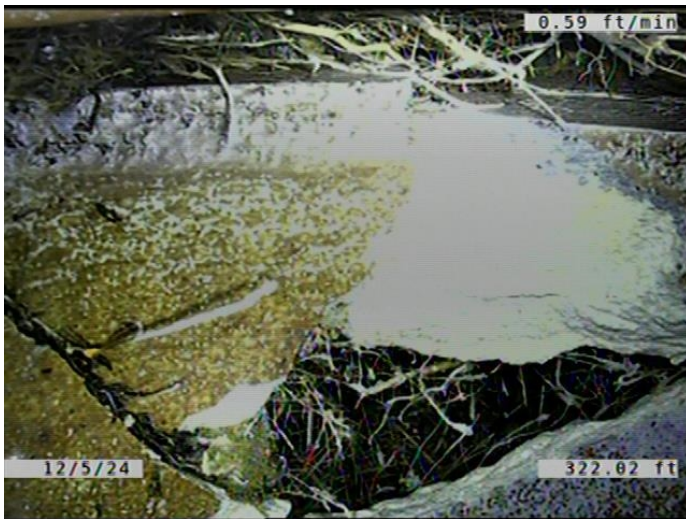
---



Code: **BSV**  
Description: **Broken Soil Visible**

Distance (ft): **322.0**  
Structural Grade: **5**  
O&M Grade: **0**  
Clock Start/From: **10**  
Clock To: **11**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

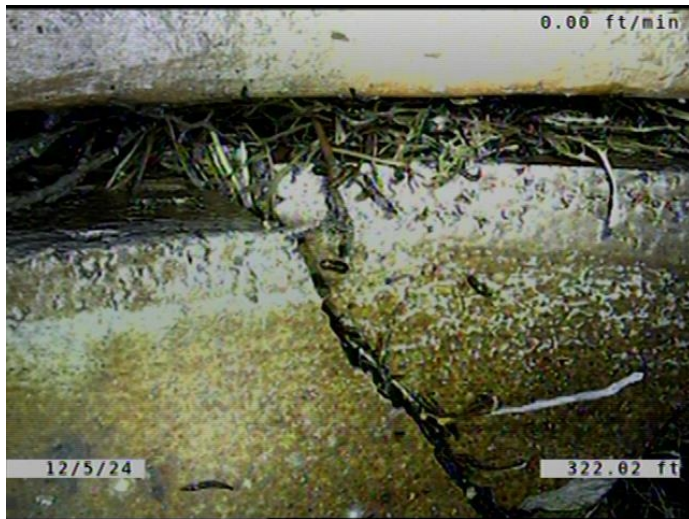
---



Code: **RFJ**  
Description: **Roots Fine Joint**

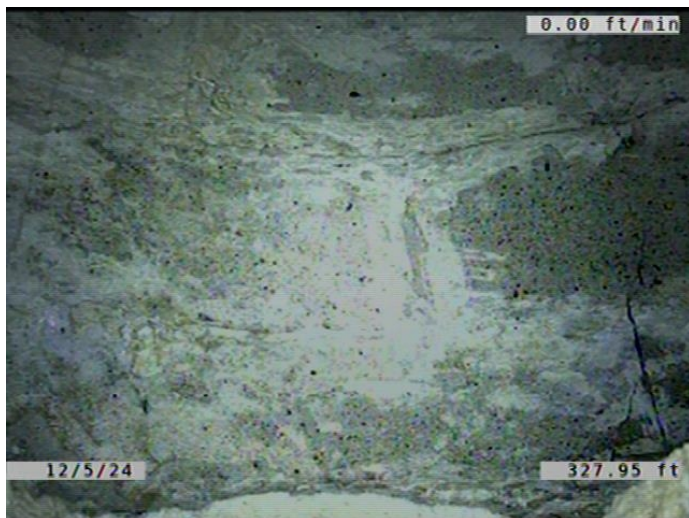
Distance (ft): **322.0**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **9**  
Clock To: **11**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

---



Code: **FM**  
 Description: **Fracture Multiple**

Distance (ft): **322.0**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **8**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



Code: **RFJ**  
 Description: **Roots Fine Joint**

Distance (ft): **328.0**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From: **8**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index: **F09**  
 Within 8" of Joint: **YES**  
 Remarks:



Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

Distance (ft): **328.0**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **15.000**  
Continuous Index: **F11**  
Within 8" of Joint: **NO**  
Remarks:

---



Code: **AMH**  
Description: **Manhole**

Distance (ft): **328.2**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks: **M-507-076**