

# Profile/Photo Observation Report



Date:	<b>03/09/2022</b>	Weather:		Coding:	<b>PACP 7.0</b>
Pipe Length (ft):	<b>177.0</b>	Owner:	<b>City of Hobart</b>	Pre Clean:	<b>Heavy Cleaning</b>
P.O.#:	<b>YES502259</b>	Surveyor:	<b>S. Bucklin</b>	PSR:	<b>P-706-033-032</b>
Customer:	<b>City of Hobart, IN (Red</b>	Clean Date:	<b>03/04/2022</b>	Shape:	<b>C</b>

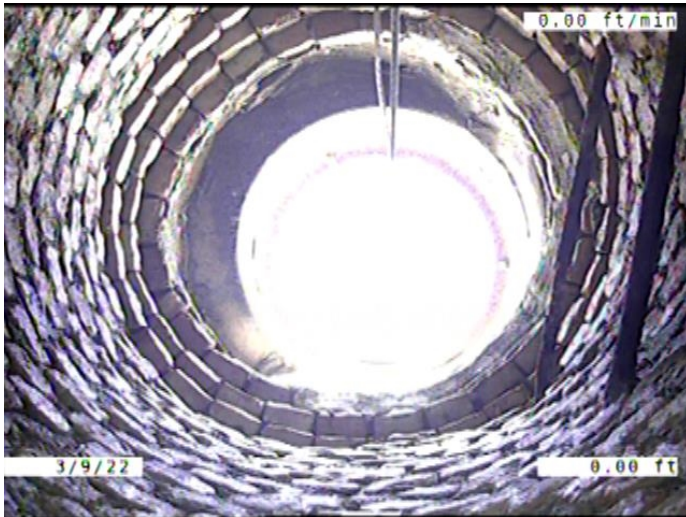
Street:	<b>South Lake Street</b>	Flow Control:	<b>Not Controlled</b>
City:	<b>Hobart, IN</b>	Year Renewed:	
Location:	<b>Local rural streets with light traffic, t</b>	Tape/Media #:	
Purpose:	<b>Routine Assessment</b>	Dia/Height:	<b>10"</b>
Use:	<b>Sanitary Sewage Pipe</b>	Material:	<b>VCP</b>
Drain Area:		Lining:	<b>None</b>
Category:	<b>NA</b>		
Comment:			
Location Details:		Direction of Survey:	<b>Downstream</b>
US MH:	<b>M-706-032</b>	DS MH:	<b>M-706-033</b>
		Total Length Surveyed (ft):	<b>175.4</b>

O&M Index:	<b>1.64</b>	O&M Quick:	<b>3321</b>	O&M Rating:	<b>18.00</b>
Structural Index:	<b>3.82</b>	Structural Quick:	<b>544A</b>	Structural Rating:	<b>84.00</b>
Overall Index:	<b>3.09</b>	Overall Quick:	<b>544A</b>	Overall Rating:	<b>102.00</b>

	Position	Code	Observation	Video (sec)	Grade
	.0	AMH	Manhole	1	NA
	.0	MWL	Miscellaneous Water Level	85	NA
	.2	CL	Crack Longitudinal	146	S 2
	8.7	TF	Tap Factory	205	NA
	9.8	FM	Fracture Multiple	260	S 4
	14.2	B	Broken	332	S 4
	14.2	RFJ	Roots Fine Joint	349	M 1
	16.2	B	Broken	411	S 4
	25.4	TF	Tap Factory	477	NA
	29.6	TF	Tap Factory	521	NA
	34.6	IDJ	Infiltration Dripper Joint	568	M 3
	34.6	B	Broken	603	S 4
	41.0	FM	Fracture Multiple	689	S 4
	45.1	JAM	Joint Angular Medium	724	S 3
	47.0	JAL	Joint Angular Large	752	S 4
	47.0	BSV	Broken Soil Visible	785	S 5
	55.3	MWLS	Miscellaneous Water Level Sag	843	S 2
	57.3	SZ	Surface Damage Other	865	NA
	75.0	TF	Tap Factory	960	NA

77.9	FM	Fracture Multiple	1019	S 4
77.9	JAM	Joint Angular Medium	1030	S 3
81.0	TFD	Tap Factory Defective	1078	M 3
83.1	TF	Tap Factory	1127	NA
120.6	IDJ	Infiltration Dripper Joint	1317	M 3
120.6	BSV	Broken Soil Visible	1375	S 5
120.6	SMW	Surface Damage Missing Wall	1400	S 5
121.2	TBI	Tap Break-in Intruding	1449	M 2
121.2	MWL	Miscellaneous Water Level	1467	NA
125.5	TF	Tap Factory	1519	NA
134.7	B	Broken	1619	S 4
135.9	SSS	Surface Damage Surface Spalling	1662	S 2
135.9	TB	Tap Break-in/Hammer	1678	NA
141.7	MWL	Miscellaneous Water Level	1726	NA
142.8	MMC	Miscellaneous Material Change	1780	NA
144.4	TF	Tap Factory	1837	NA
147.2	MMC	Miscellaneous Material Change	1902	NA
148.9	MWL	Miscellaneous Water Level	1935	NA
150.8	B	Broken	1985	S 4
150.8	RFJ	Roots Fine Joint	2001	M 1
153.0	BSV	Broken Soil Visible	2052	S 5
153.0	RFJ	Roots Fine Joint	2073	M 1
155.0	B	Broken	2129	S 4
155.0	RFJ	Roots Fine Joint	2147	M 1
161.1	B	Broken	2227	S 4
161.1	RFJ	Roots Fine Joint	2249	M 1
163.3	RFJ(S01)	Roots Fine Joint	2291	M 1
163.3	B	Broken	2319	S 4
167.3	B	Broken	2402	S 4
173.3	RFJ(F01)	Roots Fine Joint	2478	M 1
175.4	AMH	Manhole	2566	NA

**M-706-033**



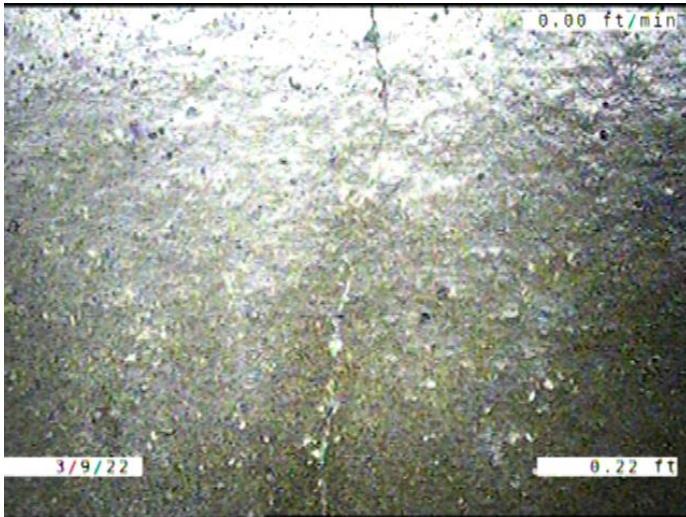
Code: **AMH**  
Description: **Manhole**

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-706-032**



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:



Code: **CL**  
Description: **Crack Longitudinal**

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

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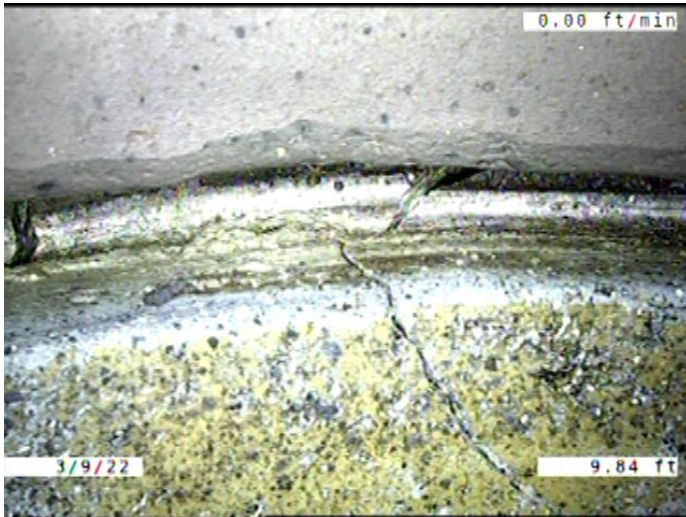


Code: **TF**  
Description: **Tap Factory**

Distance (ft): **8.7**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From: **10**  
Clock To:  
1st Value: **6.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks: **SERVICE TO MAIN CONNECTION  
BROKEN AND SOIL VISIBLE. CONSTA**

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

Distance (ft): **9.8**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **8**  
 Clock To: **12**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



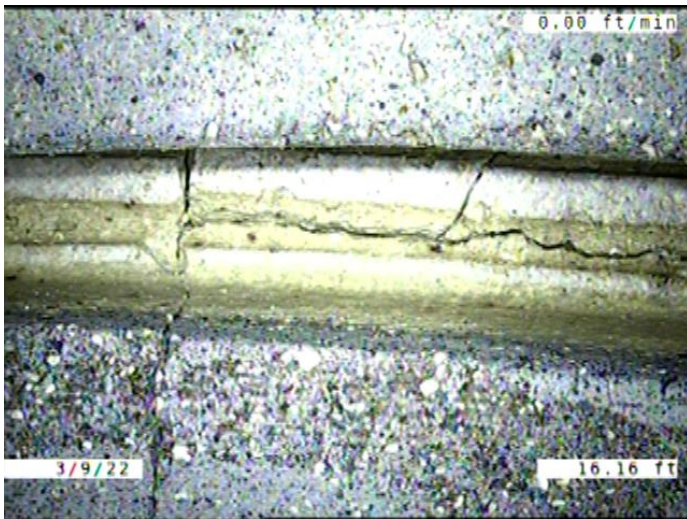
Code: **B**  
 Description: **Broken**

Distance (ft): **14.2**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **9**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



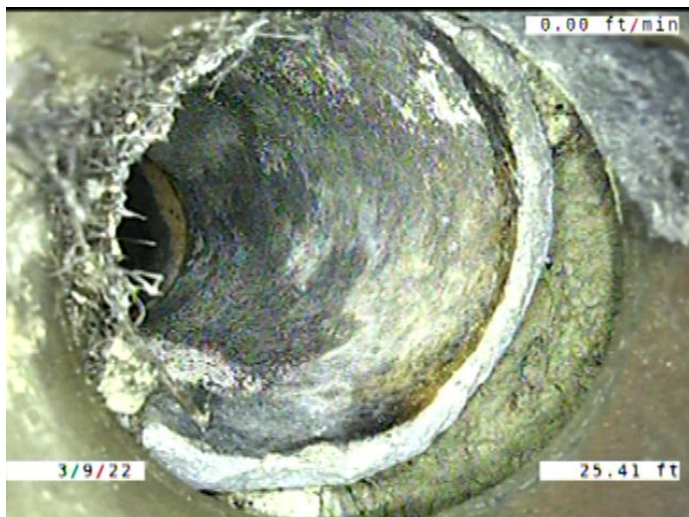
Code: **RFJ**  
 Description: **Roots Fine Joint**

Distance (ft): **14.2**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From: **11**  
 Clock To: **1**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



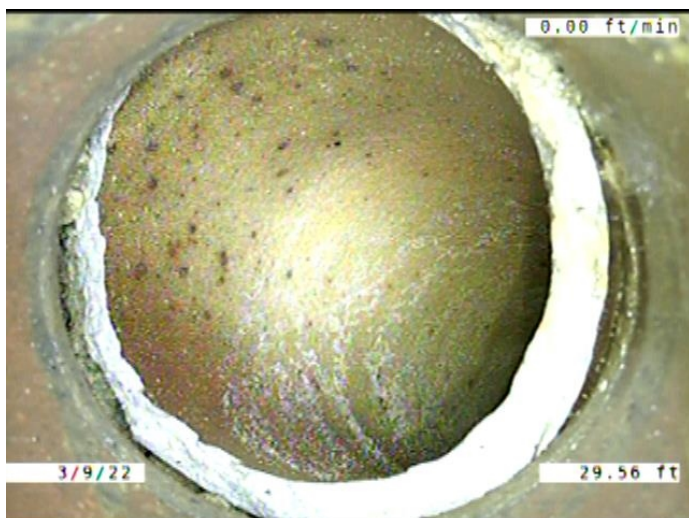
Code: **B**  
 Description: **Broken**

Distance (ft): **16.2**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **9**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



Code: **TF**  
Description: **Tap Factory**

Distance (ft): **25.4**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From: **10**  
Clock To:  
1st Value: **6.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks: **SERVICE TO MAIN CONNECTION  
BROKEN, OFFSET, AND SOIL VISIBLE.**



Code: **TF**  
Description: **Tap Factory**

Distance (ft): **29.6**  
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 TO MAIN CONNECTION  
BROKEN AND SOIL VISIBLE.**

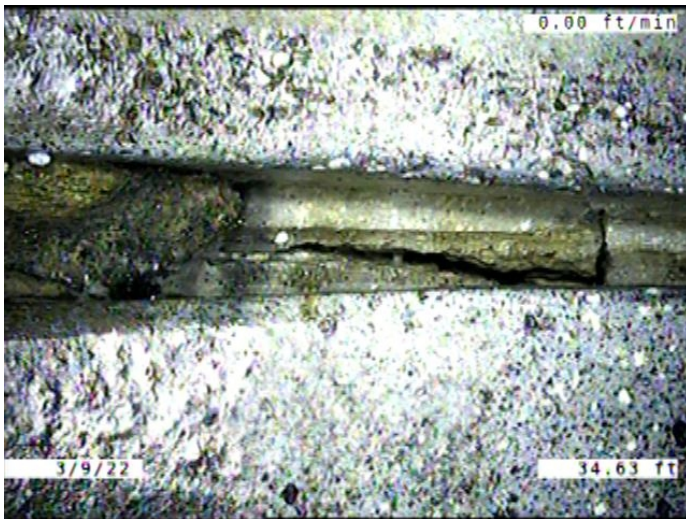




Code: **IDJ**  
Description: **Infiltration Dripper Joint**

Distance (ft): **34.6**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **3**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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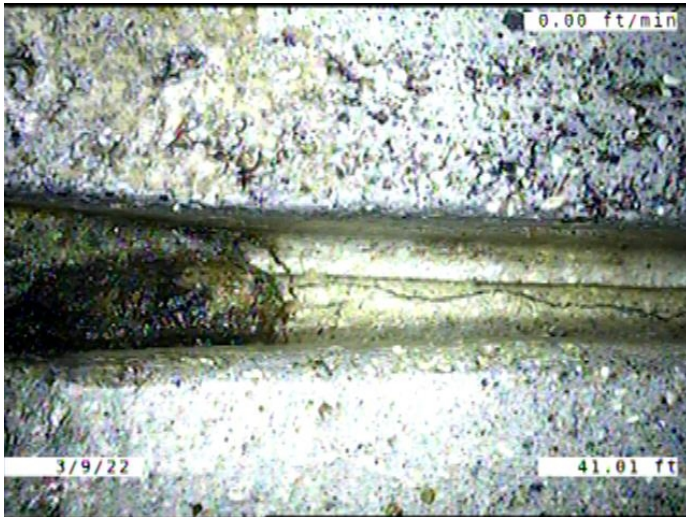


Code: **B**  
Description: **Broken**

Distance (ft): **34.6**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **9**  
Clock To: **3**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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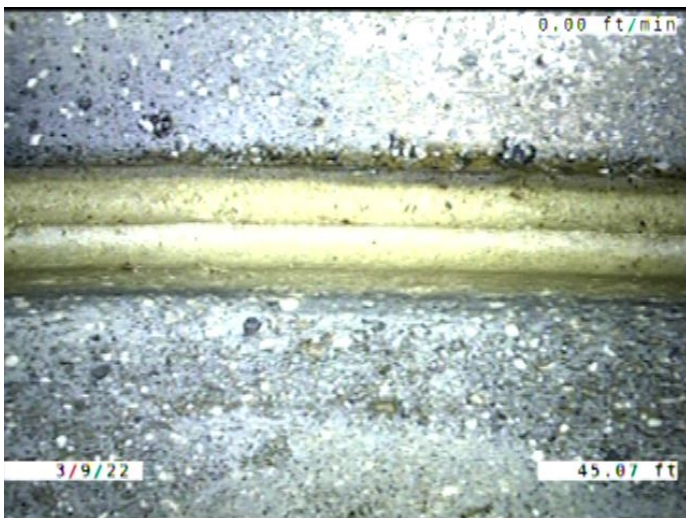




Code: **FM**  
Description: **Fracture Multiple**

Distance (ft): **41.0**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **11**  
Clock To: **3**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

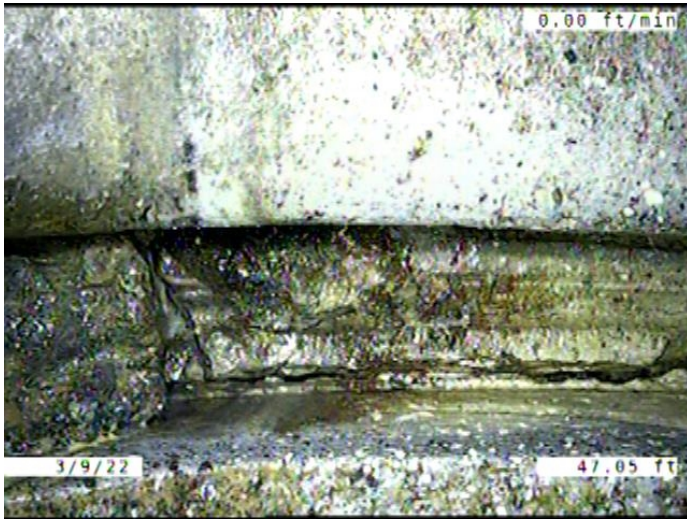
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Code: **JAM**  
Description: **Joint Angular Medium**

Distance (ft): **45.1**  
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:

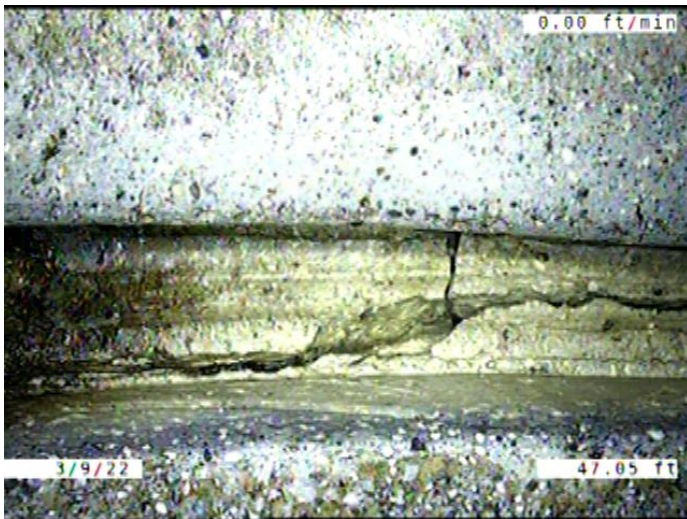
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Code: **JAL**  
Description: **Joint Angular Large**

Distance (ft): **47.0**  
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:

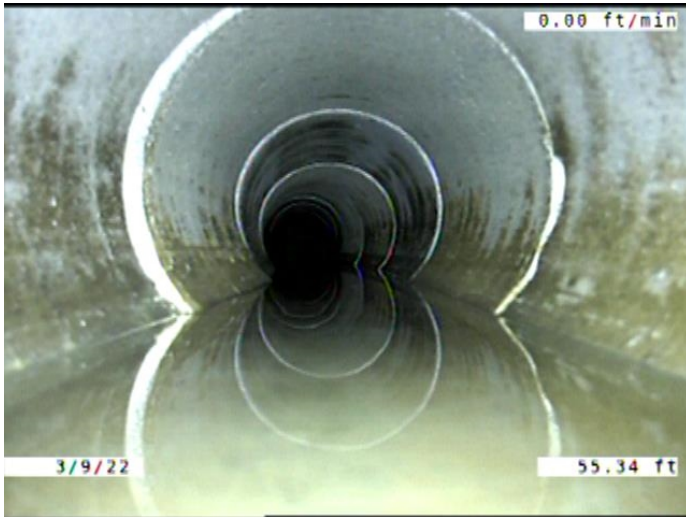
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Code: **BSV**  
Description: **Broken Soil Visible**

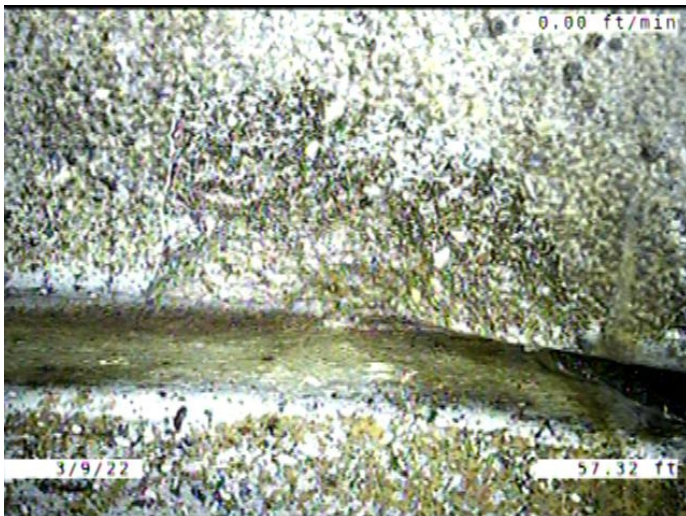
Distance (ft): **47.0**  
Structural Grade: **5**  
O&M Grade: **0**  
Clock Start/From: **8**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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

Distance (ft): **55.3**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **10.000**  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:



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

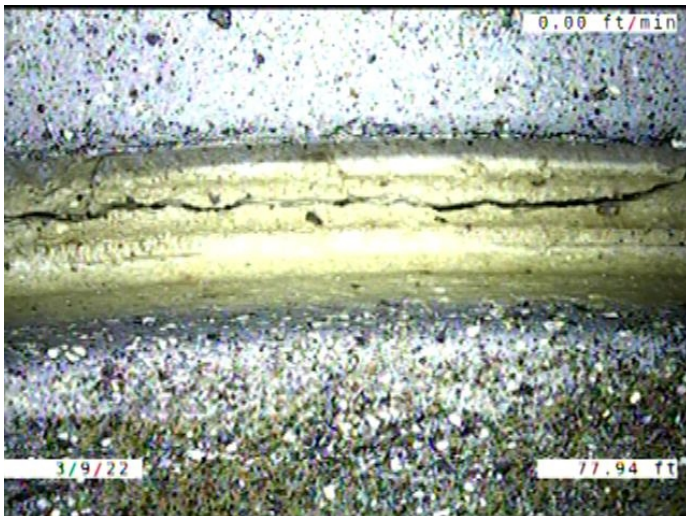
Distance (ft): **57.3**  
 Structural Grade: **0**  
 O&M Grade: **0**  
 Clock Start/From: **3**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks: **A PIECE CHIPPED AWAY FROM THE JOINT.**





Code: **TF**  
 Description: **Tap Factory**

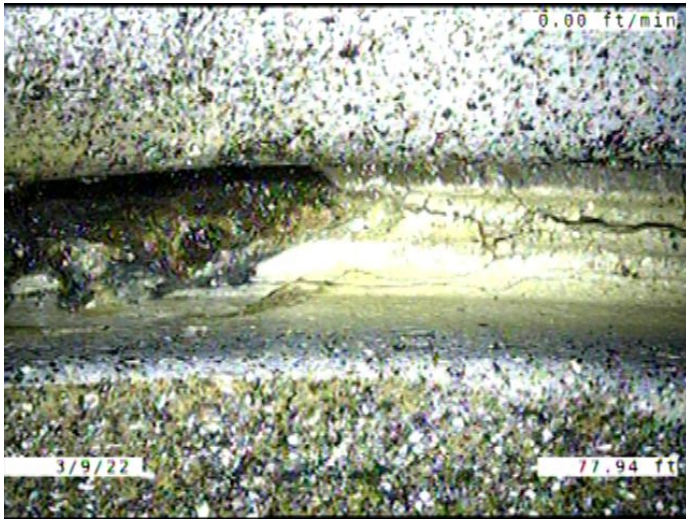
Distance (ft): **75.0**  
 Structural Grade: **0**  
 O&M Grade: **0**  
 Clock Start/From: **2**  
 Clock To:  
 1st Value: **6.000**  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks: **SERVICE TO MAIN CONNECTION  
 BROKEN AND SOIL VISIBLE.**



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

Distance (ft): **77.9**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **8**  
 Clock To: **11**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:





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

Distance (ft): **77.9**  
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: **TFD**  
Description: **Tap Factory Defective**

Distance (ft): **81.0**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **2**  
Clock To:  
1st Value: **6.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks: **TAP BROKEN. SERVICE TO MAIN CONNECTION BROKEN AND SOIL VIS**

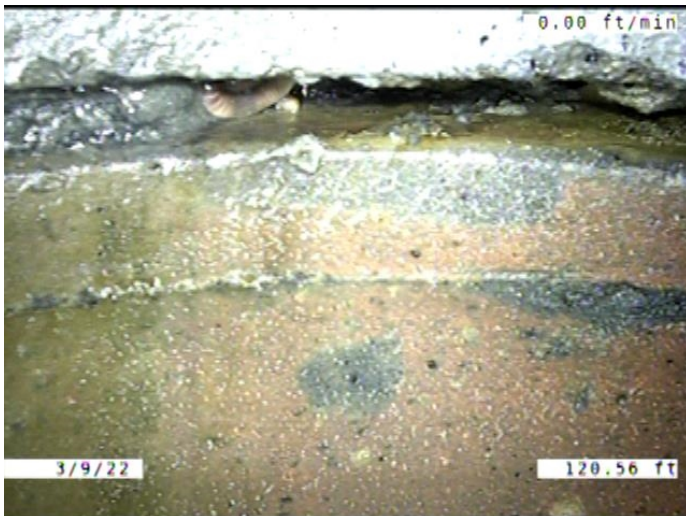


Code: **TF**  
Description: **Tap Factory**

Distance (ft): **83.1**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From: **10**  
Clock To:  
1st Value: **6.000**

2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint:

**YES**  
**SERVICE TO MAIN CONNECTION  
BROKEN, LARGE OFFSET, AND SOIL V**



Code: **IDJ**  
Description: **Infiltration Dripper Joint**

Distance (ft): **120.6**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **9**

Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:

**YES**

Remarks:



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

Distance (ft): **120.6**  
Structural Grade: **5**  
O&M Grade: **0**  
Clock Start/From: **10**  
Clock To: **5**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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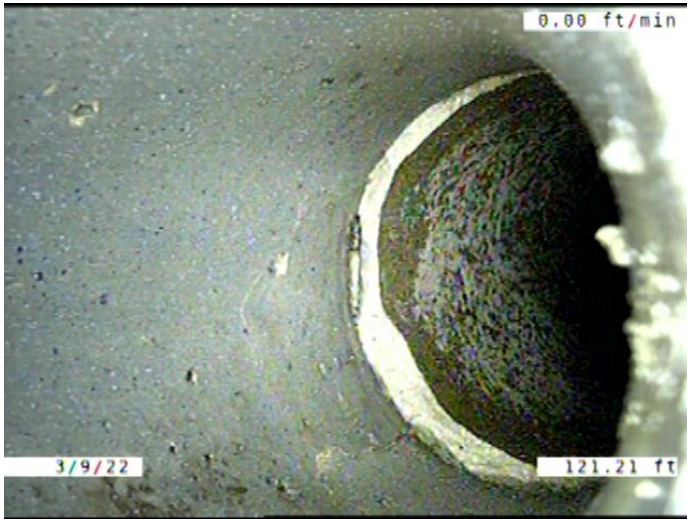


Code: **SMW**  
Description: **Surface Damage Missing Wall**

Distance (ft): **120.6**  
Structural Grade: **5**  
O&M Grade: **0**  
Clock Start/From: **2**  
Clock To: **3**  
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**

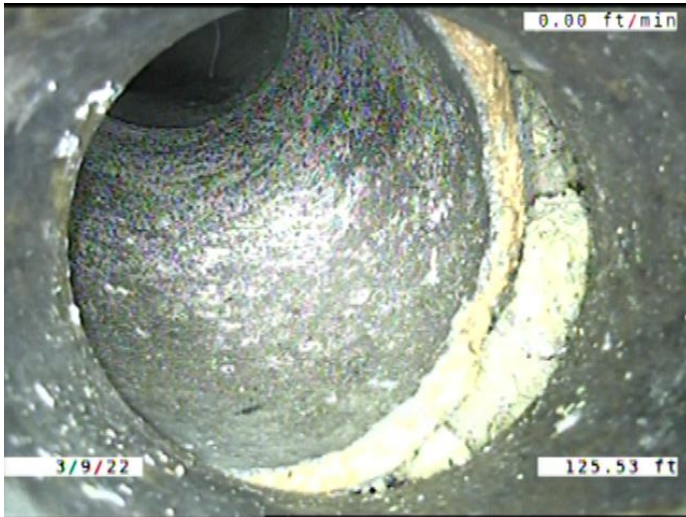
Distance (ft): **121.2**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **2**  
 Clock To:  
 1st Value: **6.000**  
 2nd Value: **1.000**  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **121.2**  
 Structural Grade: **0**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **15.000**  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:





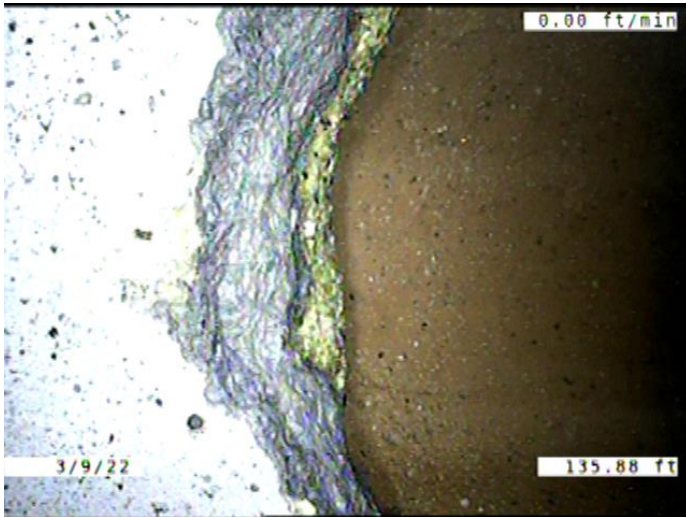
Code: **TF**  
Description: **Tap Factory**

Distance (ft): **125.5**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From: **11**  
Clock To:  
1st Value: **6.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks: **SERVICE TO MAIN CONNECTION  
BROKEN, OFFSET, AND SOIL VISIBLE.**



Code: **B**  
Description: **Broken**

Distance (ft): **134.7**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **10**  
Clock To: **3**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:



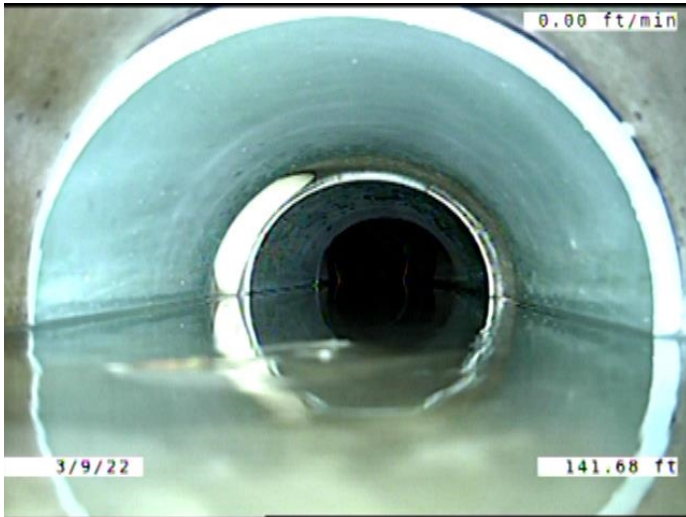
Code: **SSS**  
 Description: **Surface Damage Surface Spalling**

Distance (ft): **135.9**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From: **12**  
 Clock To: **3**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



Code: **TB**  
 Description: **Tap Break-in/Hammer**

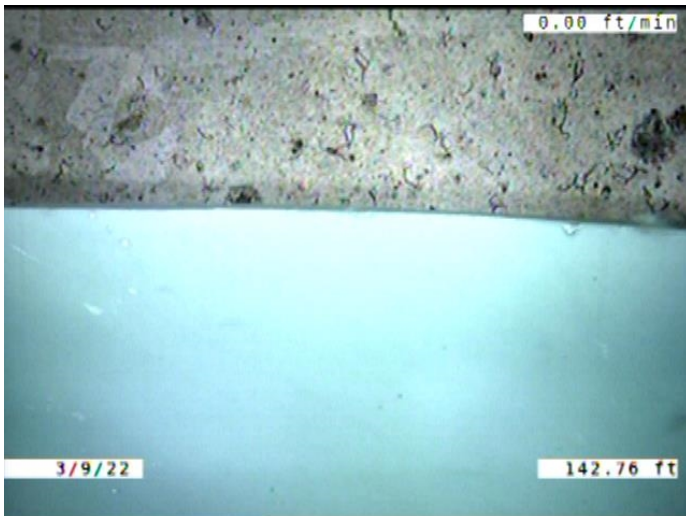
Distance (ft): **135.9**  
 Structural Grade: **0**  
 O&M Grade: **0**  
 Clock Start/From: **1**  
 Clock To:  
 1st Value: **6.000**  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **141.7**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **35.000**  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

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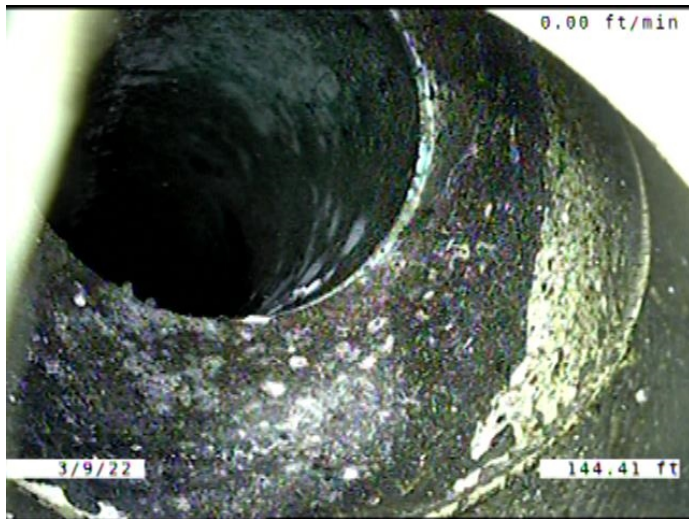


Code: **MMC**  
Description: **Miscellaneous Material Change**

Distance (ft): **142.8**  
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: **VCP TO PVC**

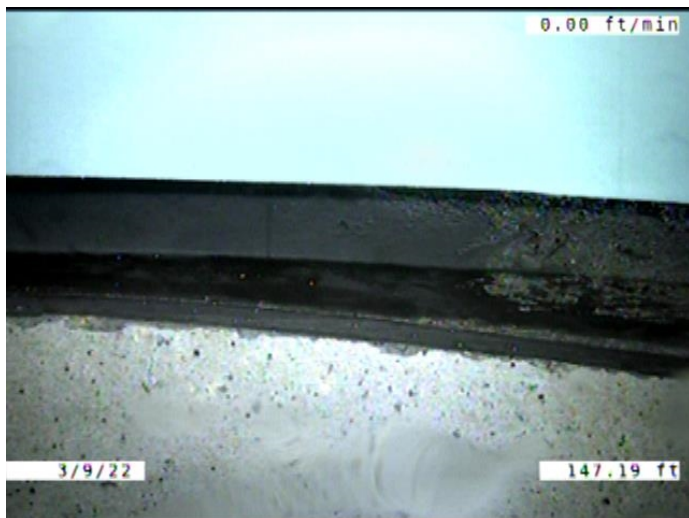
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Code: **TF**  
Description: **Tap Factory**

Distance (ft): **144.4**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From: **10**  
Clock To:  
1st Value: **6.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:



Code: **MMC**  
Description: **Miscellaneous Material Change**

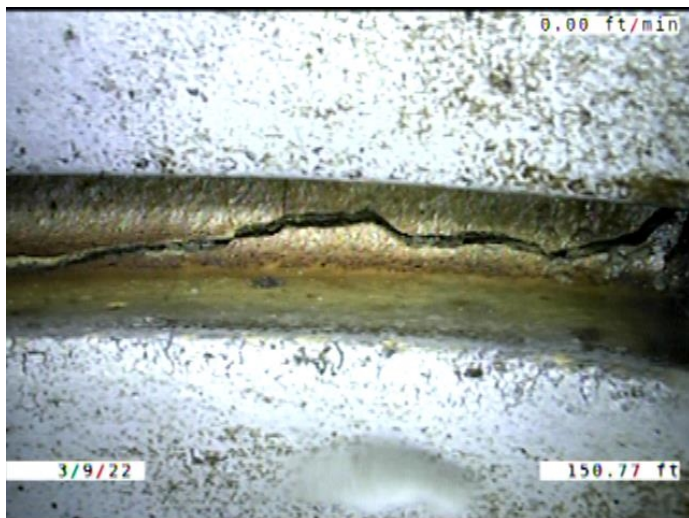
Distance (ft): **147.2**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks: **PVC TO VCP**





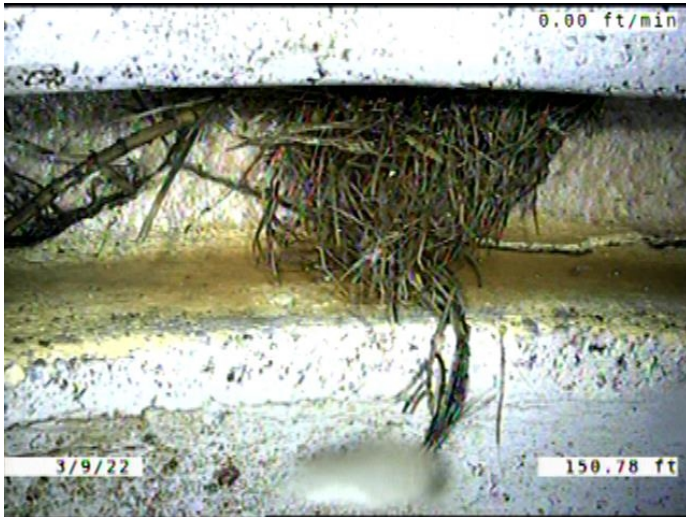
Code: **MWL**  
 Description: **Miscellaneous Water Level**

Distance (ft): **148.9**  
 Structural Grade: **0**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **15.000**  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:



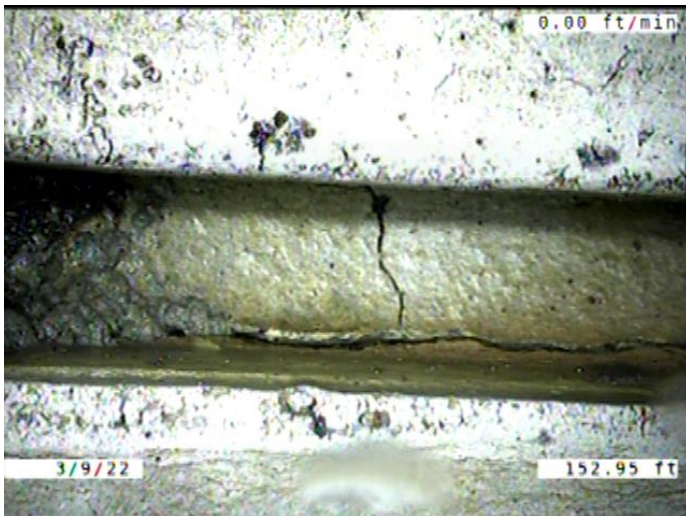
Code: **B**  
 Description: **Broken**

Distance (ft): **150.8**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **9**  
 Clock To: **3**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **150.8**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From: **9**  
 Clock To: **10**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



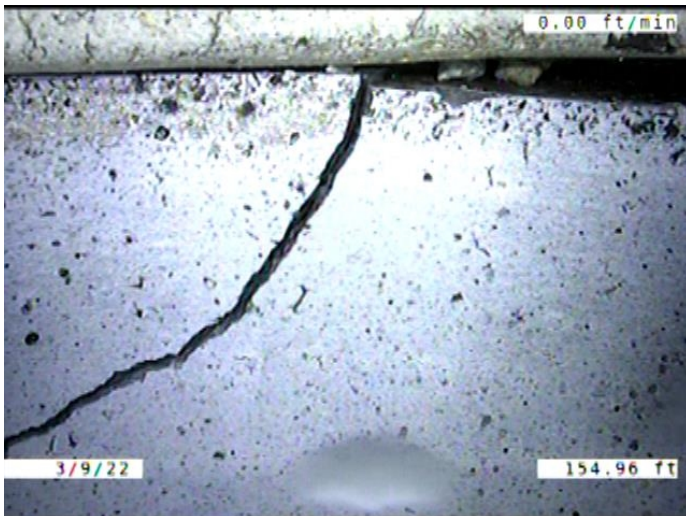
Code: **BSV**  
 Description: **Broken Soil Visible**

Distance (ft): **153.0**  
 Structural Grade: **5**  
 O&M Grade: **0**  
 Clock Start/From: **9**  
 Clock To: **3**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

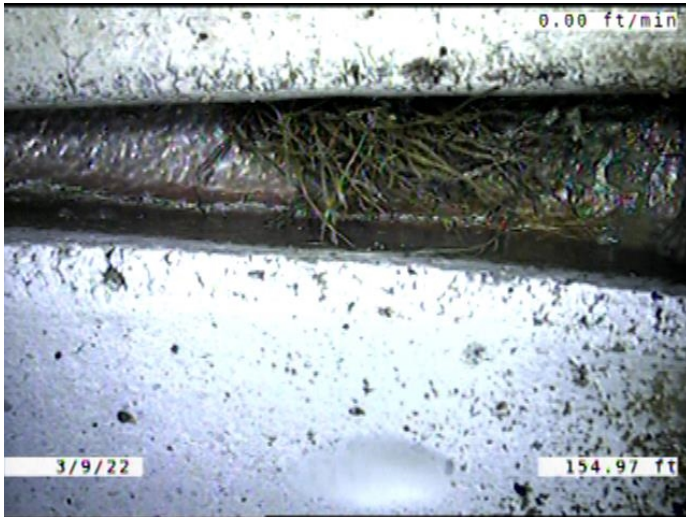
Distance (ft): **153.0**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From: **2**  
 Clock To: **3**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



Code: **B**  
 Description: **Broken**

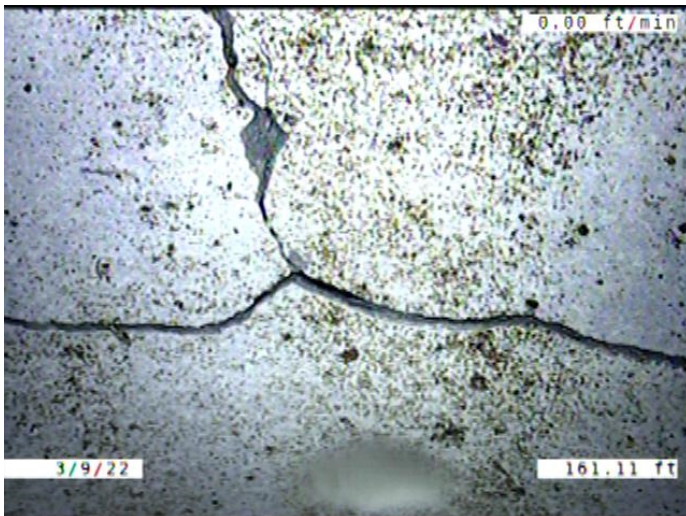
Distance (ft): **155.0**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **9**  
 Clock To: **3**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:





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

Distance (ft): **155.0**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From: **2**  
 Clock To: **3**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



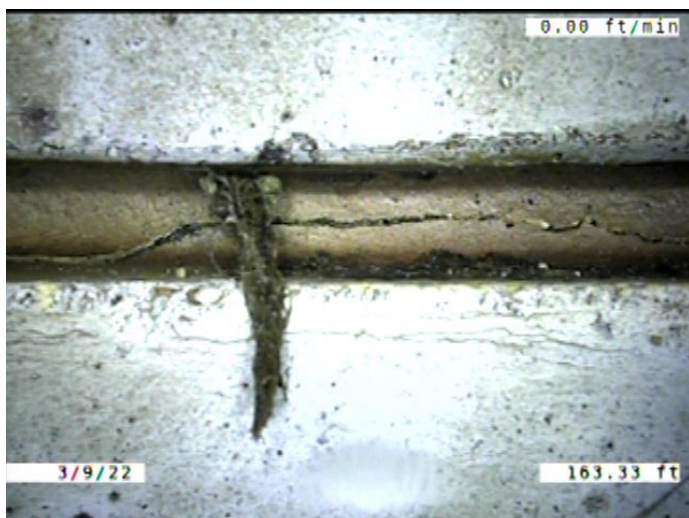
Code: **B**  
 Description: **Broken**

Distance (ft): **161.1**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **9**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



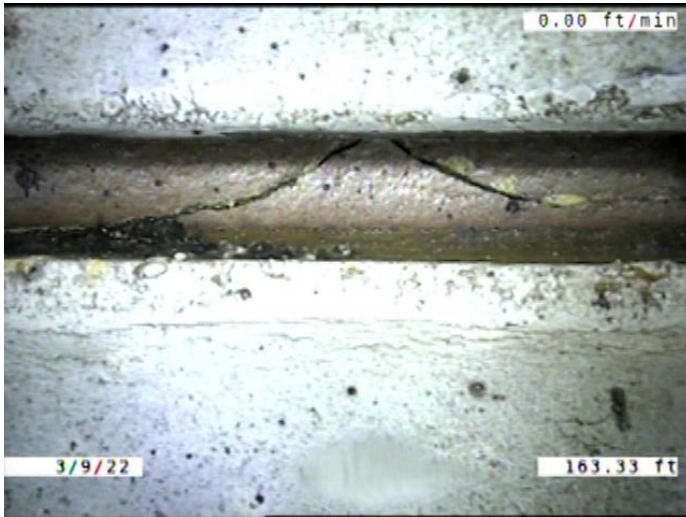
Code: **RFJ**  
 Description: **Roots Fine Joint**

Distance (ft): **161.1**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From: **10**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



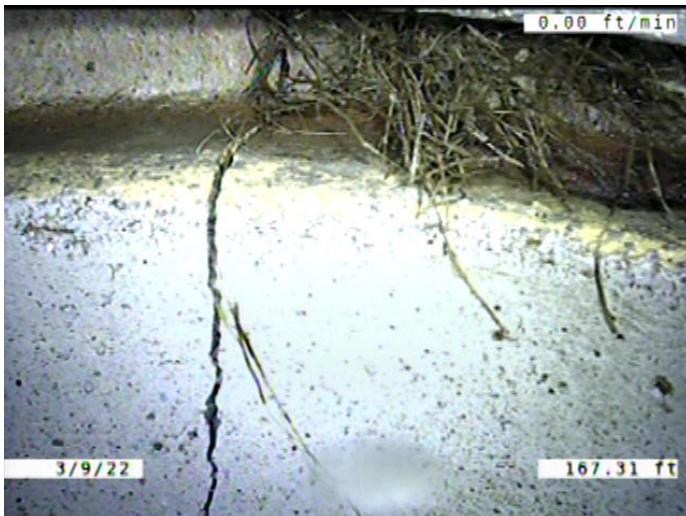
Code: **RFJ**  
 Description: **Roots Fine Joint**

Distance (ft): **163.3**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From: **9**  
 Clock To: **3**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index: **S01**  
 Within 8" of Joint: **YES**  
 Remarks:



Code: **B**  
 Description: **Broken**

Distance (ft): **163.3**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **9**  
 Clock To: **2**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



Code: **B**  
 Description: **Broken**

Distance (ft): **167.3**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **8**  
 Clock To: **2**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:





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

Distance (ft): **173.3**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From: **9**  
 Clock To: **3**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index: **F01**  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **175.4**  
 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-706-033**