

RedZone  
ROBOTICS

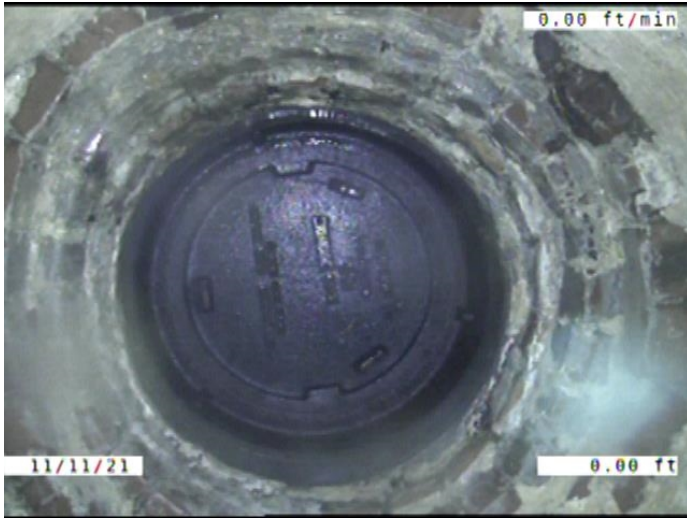
Street:	South Ash Street		Flow Control:	Not Controlled	
City:	City of Hobart		Year Renewed:		
Location:	Local rural streets with light traffic, t		Tape/Media #:		
Purpose:	Routine Assessment		Dia/Height:	12"	
Use:	Sanitary Sewage Pipe		Material:	VCP	
Drain Area:			Lining:	None	
Category:	NA				
Comment:					
Location Details:			Direction of Survey:	Downstream	
US MH:	M-605-027	DS MH:	M-605-028	Total Length Surveyed (ft):	175.9

O&M Index:	<b>1.97</b>	O&M Quick:	<b>423A</b>	O&M Rating:	<b>179.00</b>
Structural Index:	<b>3.86</b>	Structural Quick:	<b>524I</b>	Structural Rating:	<b>224.00</b>
Overall Index:	<b>2.70</b>	Overall Quick:	<b>524I</b>	Overall Rating:	<b>403.00</b>

	Position	Code	Observation	Video (sec)	Grade
 Camera Direction	.0	AMH	Manhole	98	NA
	.0	MWL	Miscellaneous Water Level	119	NA
	4.5	RFJ	Roots Fine Joint	175	M 1
	4.5	MWLS(S01)	Miscellaneous Water Level Sag	198	S 2
	4.6	B	Broken	266	S 4
	4.6	FM(S08)	Fracture Multiple	272	S 4
	4.6	DSF(S03)	Deposits Settled Fine	281	M 2
	8.8	RFJ	Roots Fine Joint	335	M 1
	12.8	RFJ	Roots Fine Joint	378	M 1
	14.9	RFJ	Roots Fine Joint	409	M 1
	16.6	DR(S04)	Deformed Rigid	443	S 4
	17.9	TFD	Tap Factory Defective	475	M 3
	19.2	RFJ	Roots Fine Joint	503	M 1
	20.0	TFC	Tap Factory Capped	540	NA
	26.7	MWLS(F01)	Miscellaneous Water Level Sag	592	S 2
	45.7	RFJ	Roots Fine Joint	681	M 1
	47.9	RFJ	Roots Fine Joint	716	M 1
	53.8	RMJ	Roots Medium Joint	774	M 3
	56.2	RFJ	Roots Fine Joint	805	M 1

58.3	RMJ	Roots Medium Joint	845	M 3
59.3	TFD	Tap Factory Defective	903	M 3
61.2	TFD	Tap Factory Defective	953	M 3
62.1	RMJ	Roots Medium Joint	1014	M 3
63.8	RMJ	Roots Medium Joint	1077	M 3
66.4	RFJ(S05)	Roots Fine Joint	1114	M 1
80.5	DAE	Deposits Attached Encrustation	1230	M 2
82.5	DAE	Deposits Attached Encrustation	1264	M 2
91.0	DAE	Deposits Attached Encrustation	1328	M 2
93.0	DAE	Deposits Attached Encrustation	1371	M 2
93.4	DAE	Deposits Attached Encrustation	1402	M 2
93.4	MWL	Miscellaneous Water Level	1421	NA
94.5	TB	Tap Break-in/Hammer	1468	NA
97.3	FM(F08)	Fracture Multiple	1528	S 4
97.3	MCU	Miscellaneous Camera Underwater	1530	M 4
97.3	DR(F04)	Deformed Rigid	1536	S 4
97.4	RMB	Roots Medium Barrel	1544	M 4
99.9	TFD	Tap Factory Defective	1702	M 3
100.7	FM(S09)	Fracture Multiple	1727	S 4
100.7	SSS	Surface Damage Surface Spalling	1728	S 2
107.5	DAE(S06)	Deposits Attached Encrustation	1821	M 2
107.5	DAE(S07)	Deposits Attached Encrustation	1859	M 2
113.1	MWL	Miscellaneous Water Level	1910	NA
117.0	RFJ(F05)	Roots Fine Joint	1943	M 1
134.7	TBD	Tap Break-in/Hammer Defective	2061	M 3
134.8	B(S10)	Broken	2082	S 4
136.5	BSV	Broken Soil Visible	2122	S 5
136.5	TFD	Tap Factory Defective	2145	M 3
138.4	BSV	Broken Soil Visible	2210	S 5
138.7	TBI	Tap Break-in Intruding	2238	M 2
139.0	TFD	Tap Factory Defective	2262	M 3
141.2	TFC	Tap Factory Capped	2313	NA
141.2	B(F10)	Broken	2329	S 4
156.5	DAE(F07)	Deposits Attached Encrustation	2404	M 2
156.5	DAE(F06)	Deposits Attached Encrustation	2412	M 2
158.2	MWL	Miscellaneous Water Level	2436	NA
171.8	FM(F09)	Fracture Multiple	2595	S 4
173.7	MWL	Miscellaneous Water Level	2609	NA
174.6	DSF(F03)	Deposits Settled Fine	2638	M 2
175.9	AMH	Manhole	2721	NA

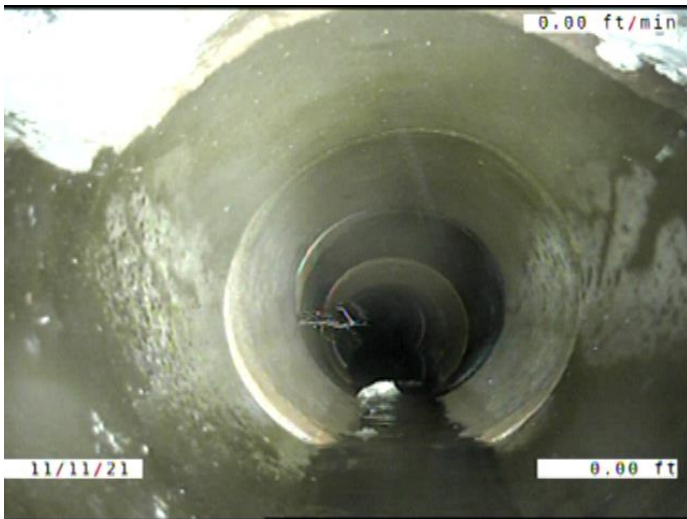
M-605-028



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-605-027**

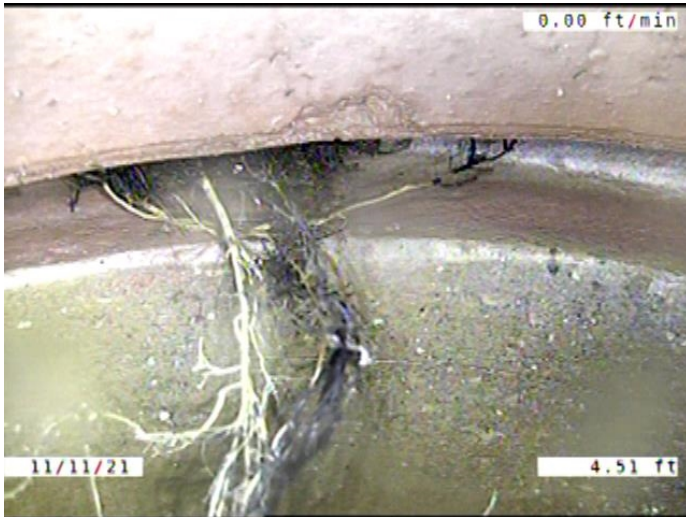
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Code: **MWL**  
Description: **Miscellaneous Water Level**

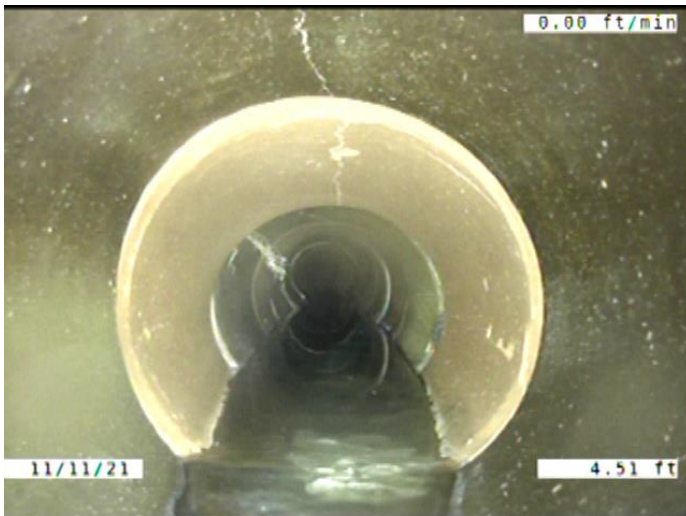
Distance (ft): **.0**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

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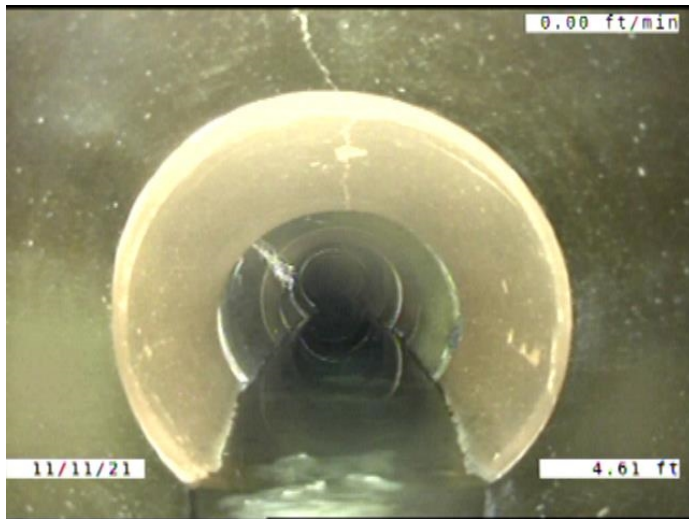
Code: **RFJ**  
 Description: **Roots Fine Joint**

Distance (ft): **4.5**  
 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:



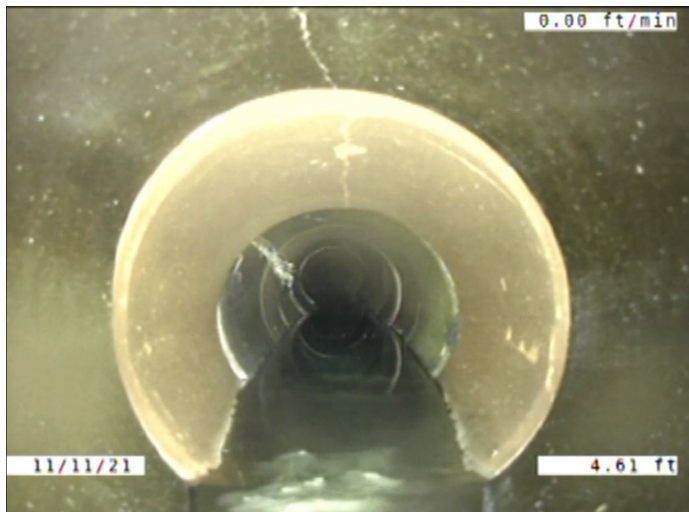
Code: **MWLS**  
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **4.5**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **10.000**  
 Continuous Index: **S01**  
 Within 8" of Joint: **NO**  
 Remarks:



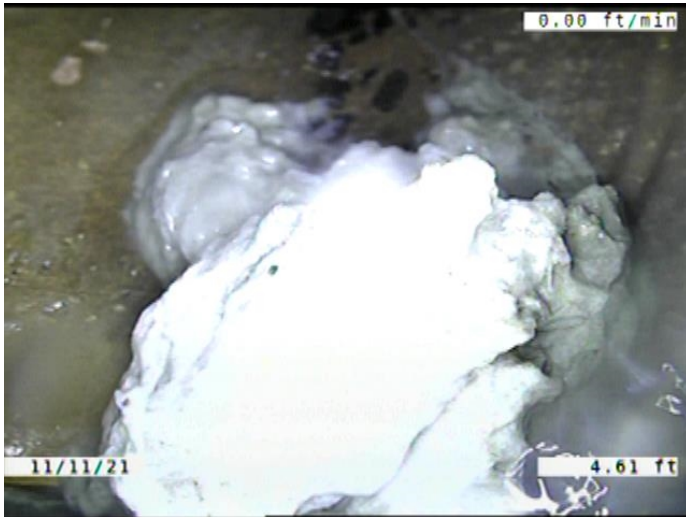
Code: **B**  
 Description: **Broken**

Distance (ft): **4.6**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **12**  
 Clock To: **12**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



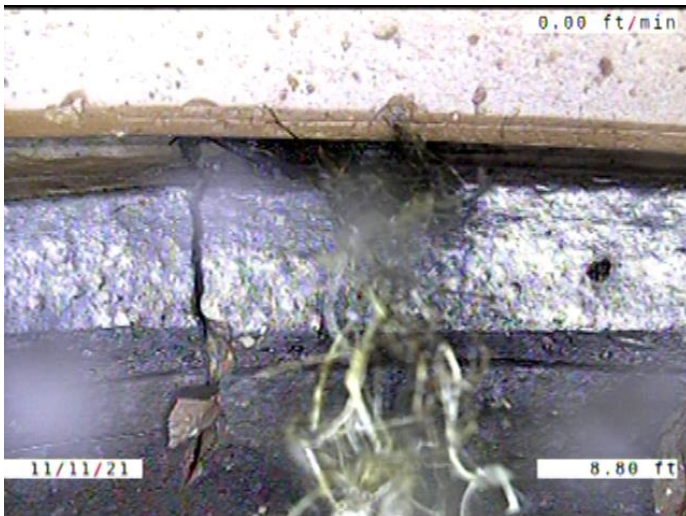
Code: **FM**  
 Description: **Fracture Multiple**

Distance (ft): **4.6**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **8**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index: **S08**  
 Within 8" of Joint: **YES**  
 Remarks:



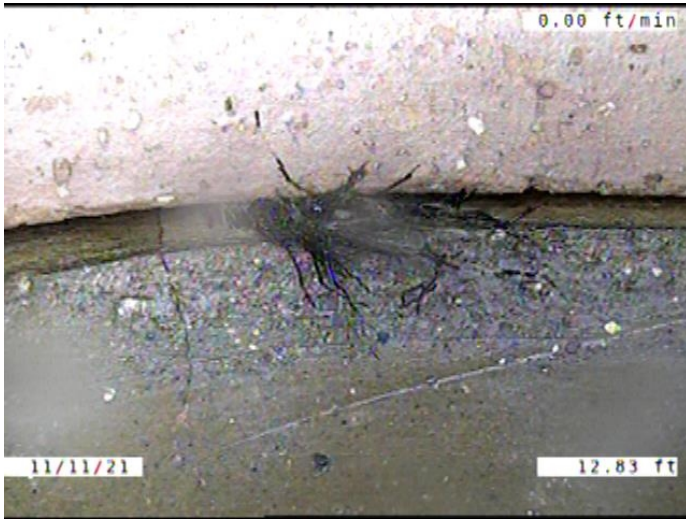
Code: **DSF**  
 Description: **Deposits Settled Fine**

Distance (ft): **4.6**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **5**  
 Clock To: **7**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index: **S03**  
 Within 8" of Joint: **YES**  
 Remarks: **ALSO RAGS**



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

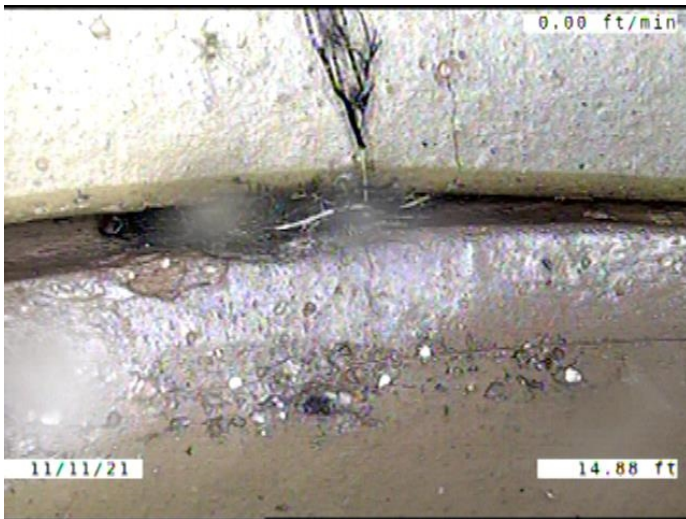
Distance (ft): **8.8**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From: **10**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **12.8**  
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:

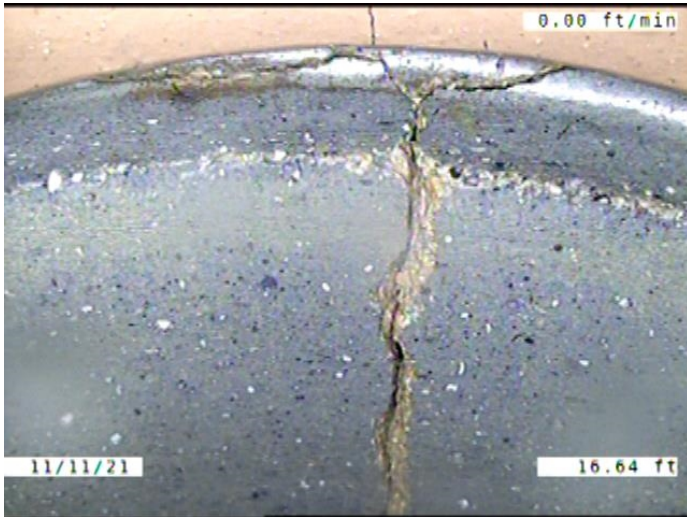
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Code: **RFJ**  
Description: **Roots Fine Joint**

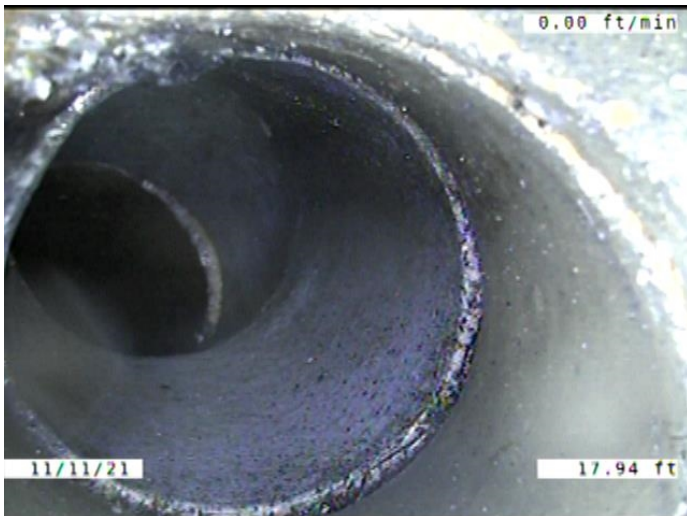
Distance (ft): **14.9**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **9**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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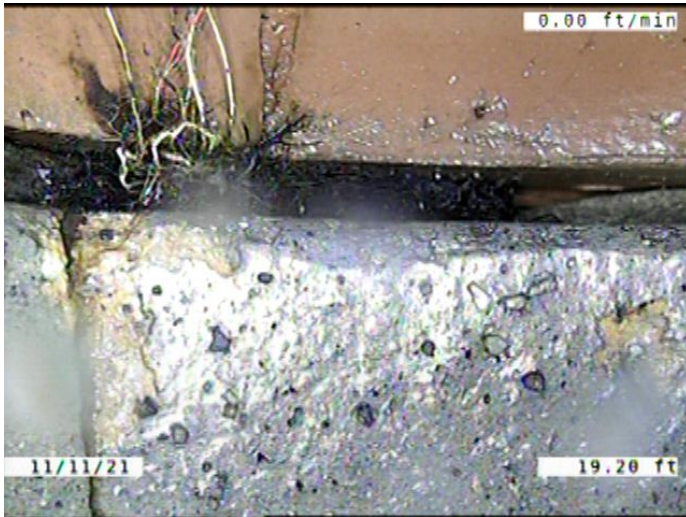
Code: **DR**  
 Description: **Deformed Rigid**

Distance (ft): **16.6**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index: **S04**  
 Within 8" of Joint: **NO**  
 Remarks:



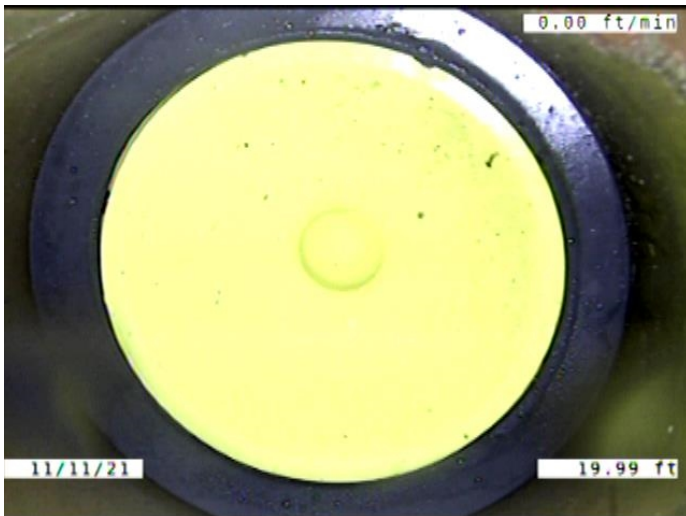
Code: **TFD**  
 Description: **Tap Factory Defective**

Distance (ft): **17.9**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **10**  
 Clock To:  
 1st Value: **4.000**  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks: **CONSTANTLY RUNNING WATER. BROKEN. ROOTS GROWING FROM T**



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

Distance (ft): **19.2**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From: **3**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



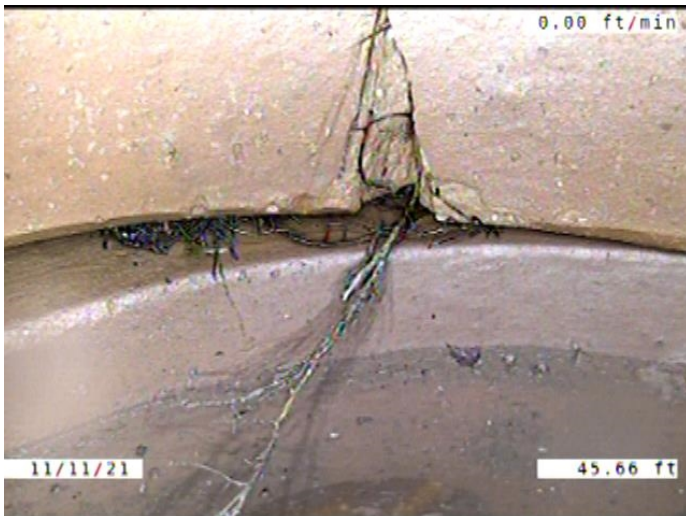
Code: **TFC**  
 Description: **Tap Factory Capped**

Distance (ft): **20.0**  
 Structural Grade: **0**  
 O&M Grade: **0**  
 Clock Start/From: **1**  
 Clock To:  
 1st Value: **4.000**  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



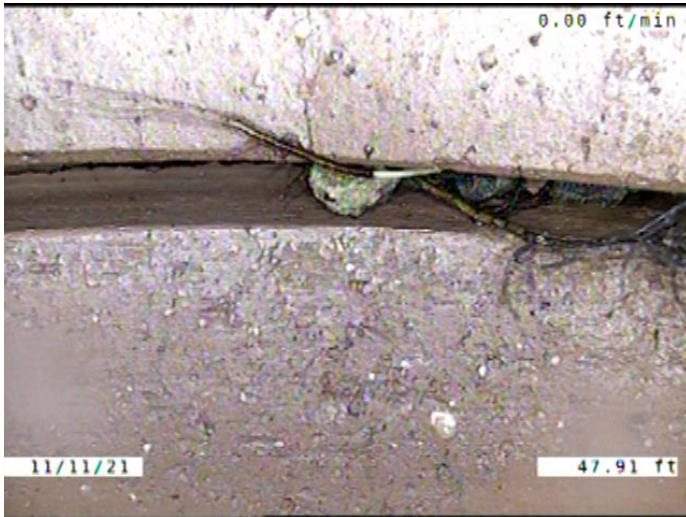
Code: **MWLS**  
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **26.7**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **10.000**  
 Continuous Index: **F01**  
 Within 8" of Joint: **NO**  
 Remarks:



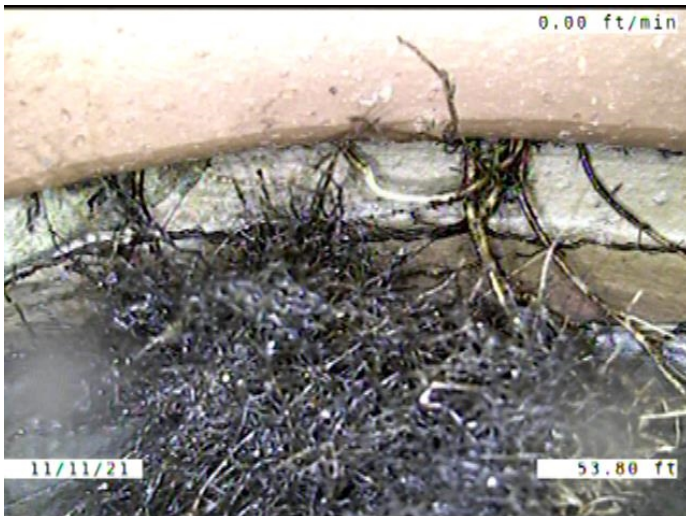
Code: **RFJ**  
 Description: **Roots Fine Joint**

Distance (ft): **45.7**  
 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:



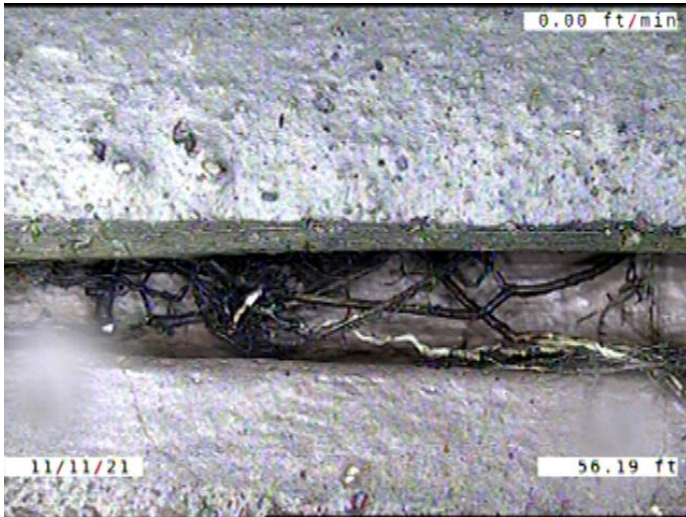
Code: **RFJ**  
 Description: **Roots Fine Joint**

Distance (ft): **47.9**  
 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: **RMJ**  
 Description: **Roots Medium Joint**

Distance (ft): **53.8**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **8**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



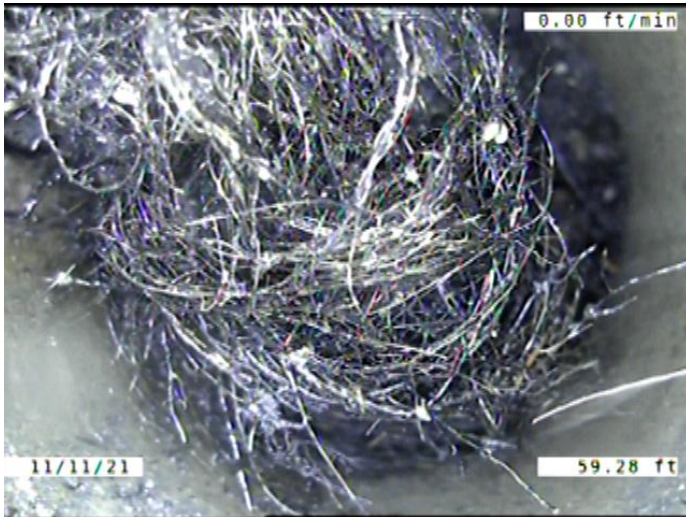
Code: **RFJ**  
 Description: **Roots Fine Joint**

Distance (ft): **56.2**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From: **9**  
 Clock To: **3**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



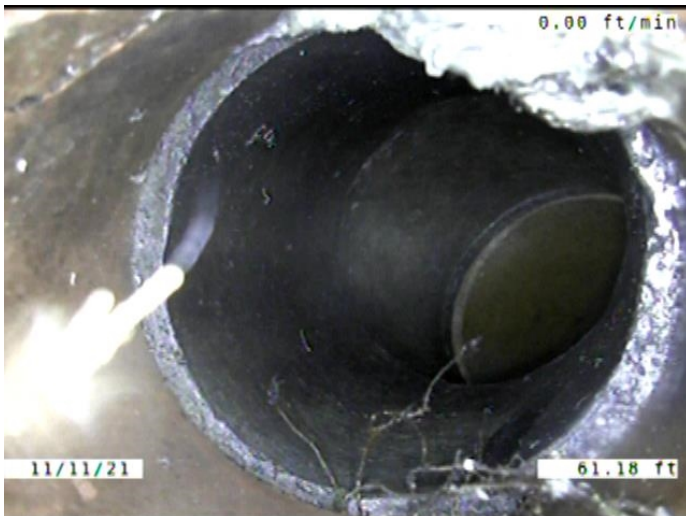
Code: **RMJ**  
 Description: **Roots Medium Joint**

Distance (ft): **58.3**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **8**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent: **15.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



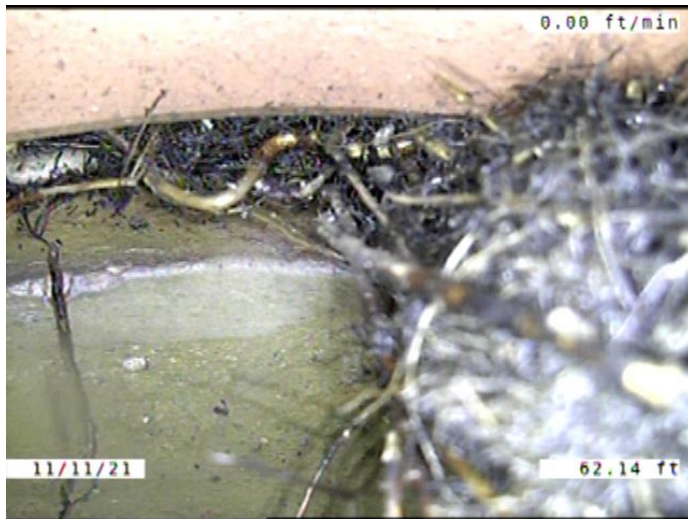
Code:	TFD
Description:	Tap Factory Defective
Distance (ft):	59.3
Structural Grade:	0
O&M Grade:	3
Clock Start/From:	10
Clock To:	
1st Value:	4.000
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	LOOKS TO BE 100% PLUGGED WITH ROOTS.

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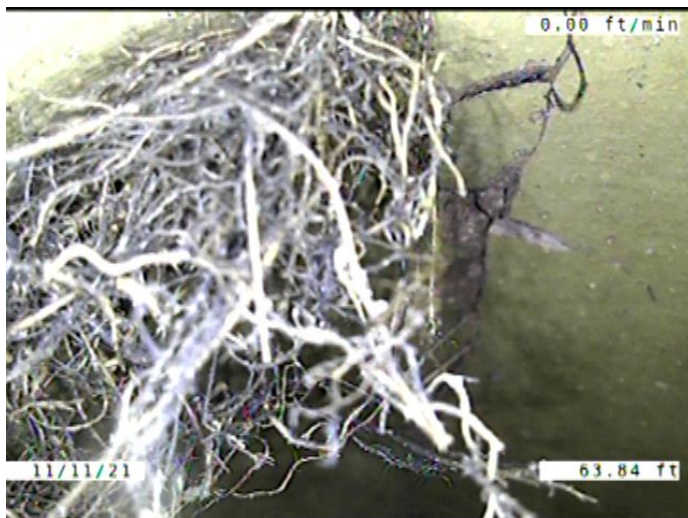
Code:	TFD
Description:	Tap Factory Defective
Distance (ft):	61.2
Structural Grade:	0
O&M Grade:	3
Clock Start/From:	2
Clock To:	
1st Value:	4.000
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	BROKEN. ROOTS GROWING OUT OF THE JOINTS

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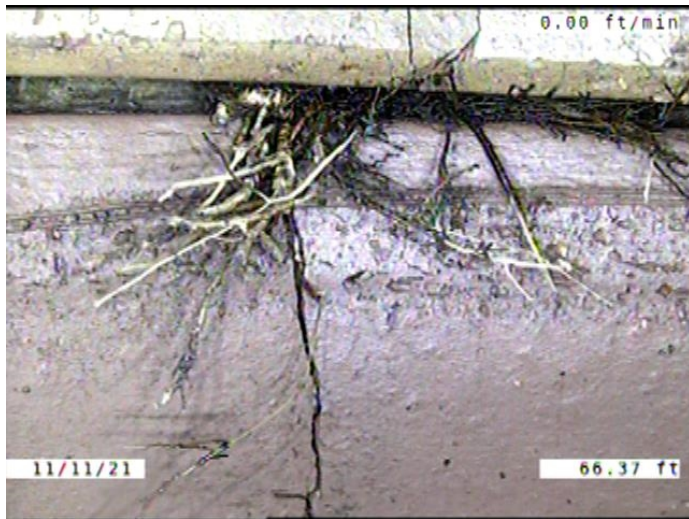
Code: **RMJ**  
 Description: **Roots Medium Joint**

Distance (ft): **62.1**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **8**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent: **15.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



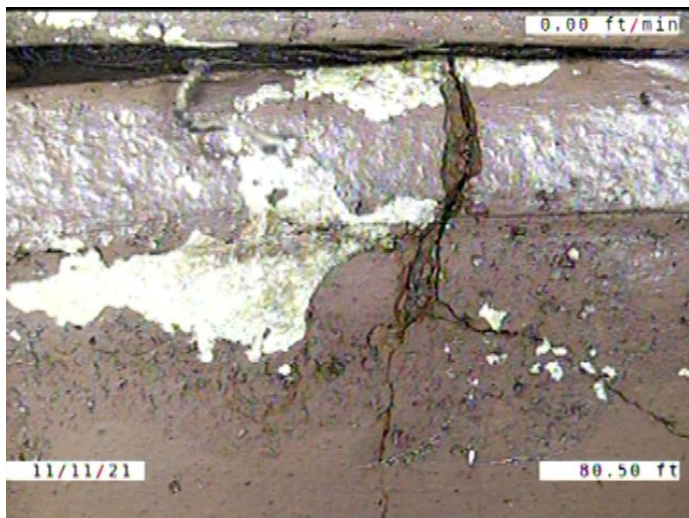
Code: **RMJ**  
 Description: **Roots Medium Joint**

Distance (ft): **63.8**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **8**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



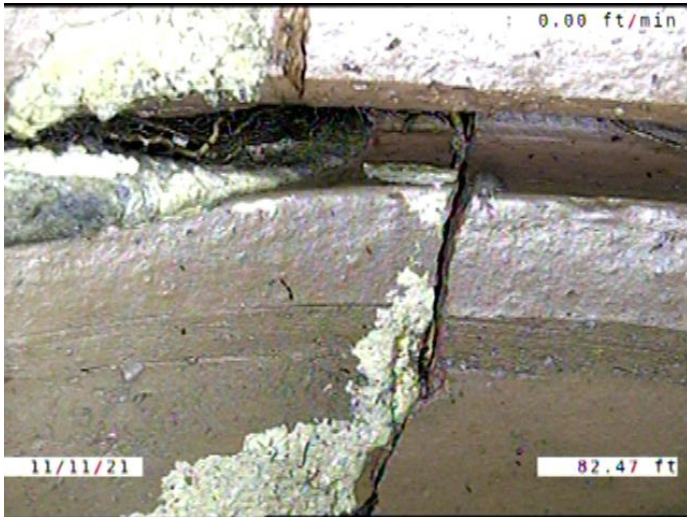
Code: **RFJ**  
 Description: **Roots Fine Joint**

Distance (ft): **66.4**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From: **8**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index: **S05**  
 Within 8" of Joint: **YES**  
 Remarks:



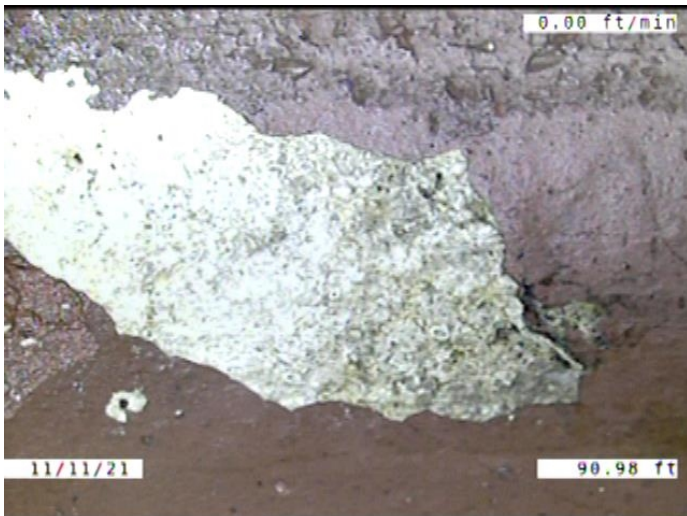
Code: **DAE**  
 Description: **Deposits Attached Encrustation**

Distance (ft): **80.5**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **8**  
 Clock To: **12**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



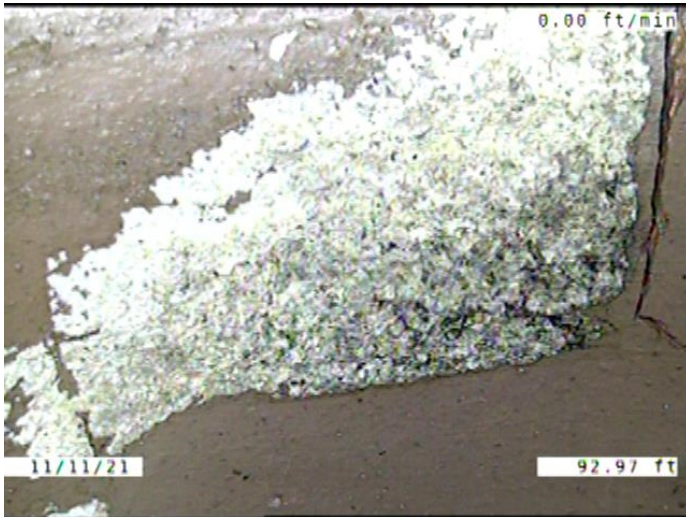
Code: **DAE**  
 Description: **Deposits Attached Encrustation**

Distance (ft): **82.5**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **8**  
 Clock To: **10**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



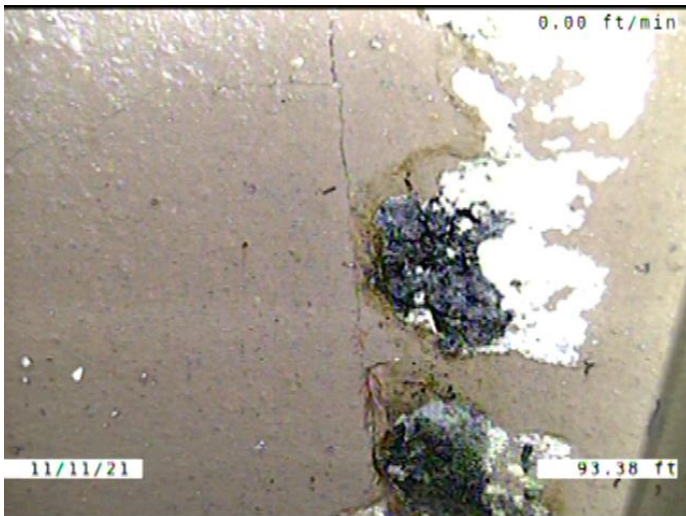
Code: **DAE**  
 Description: **Deposits Attached Encrustation**

Distance (ft): **91.0**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **8**  
 Clock To: **10**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



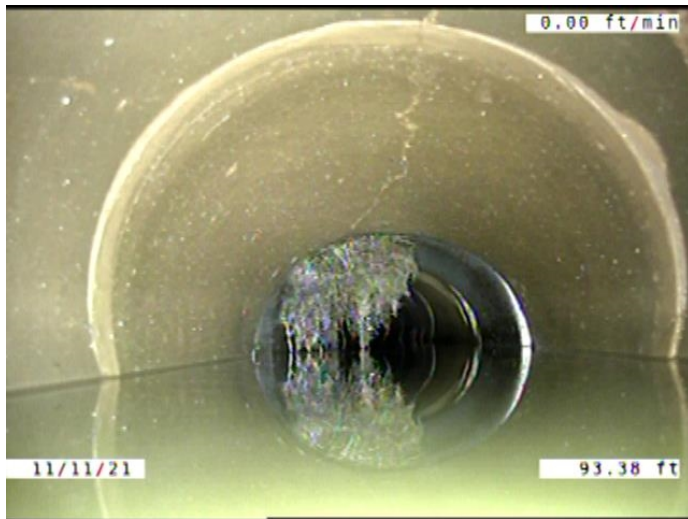
Code: **DAE**  
 Description: **Deposits Attached Encrustation**

Distance (ft): **93.0**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **9**  
 Clock To: **11**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



Code: **DAE**  
 Description: **Deposits Attached Encrustation**

Distance (ft): **93.4**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **2**  
 Clock To: **3**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **93.4**  
 Structural Grade: **0**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **40.000**  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:



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

Distance (ft): **94.5**  
 Structural Grade: **0**  
 O&M Grade: **0**  
 Clock Start/From: **1**  
 Clock To:  
 1st Value: **4.000**  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks: **ROOTS GROWING AROUND THE CONNECTION**



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

Distance (ft): **97.3**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **8**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index: **F08**  
 Within 8" of Joint: **YES**  
 Remarks:



Code: **MCU**  
 Description: **Miscellaneous Camera Underwater**

Distance (ft): **97.3**  
 Structural Grade: **0**  
 O&M Grade: **4**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks: **Out at 98.1**



Code: **DR**  
Description: **Deformed Rigid**

Distance (ft): **97.3**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index: **F04**  
Within 8" of Joint: **NO**  
Remarks:

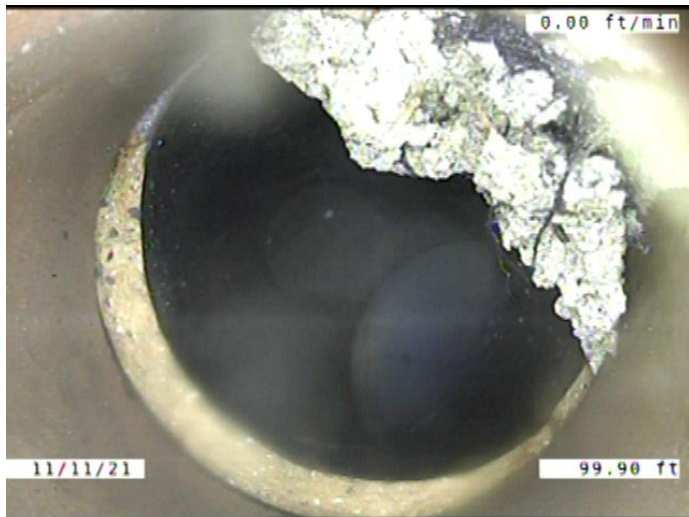
---



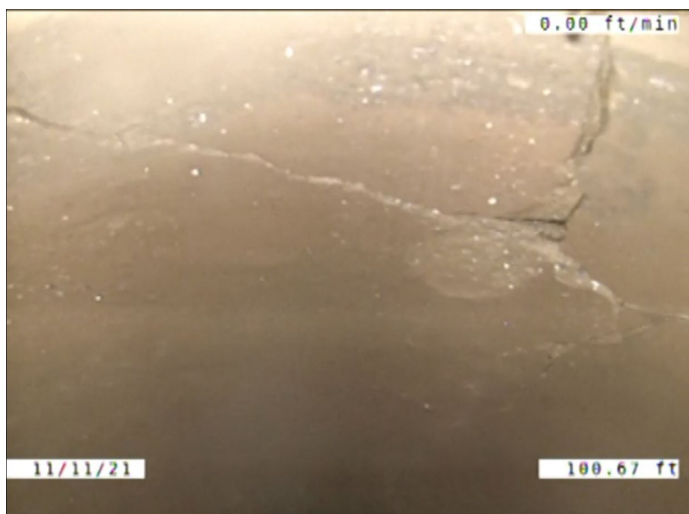
Code: **RMB**  
Description: **Roots Medium Barrel**

Distance (ft): **97.4**  
Structural Grade: **0**  
O&M Grade: **4**  
Clock Start/From: **9**  
Clock To: **1**  
1st Value:  
2nd Value:  
Value Percent: **30.000**  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

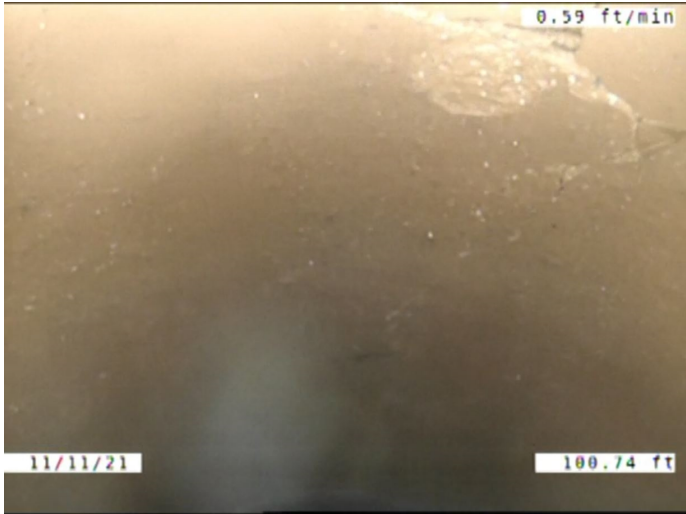
---



Code:	<b>TFD</b>
Description:	<b>Tap Factory Defective</b>
Distance (ft):	<b>99.9</b>
Structural Grade:	<b>0</b>
O&M Grade:	<b>3</b>
Clock Start/From:	<b>1</b>
Clock To:	
1st Value:	<b>4.000</b>
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	<b>YES</b>
Remarks:	<b>CAPPED. OFFSET. ROOTS GROWING OUT OF THE JOINT</b>



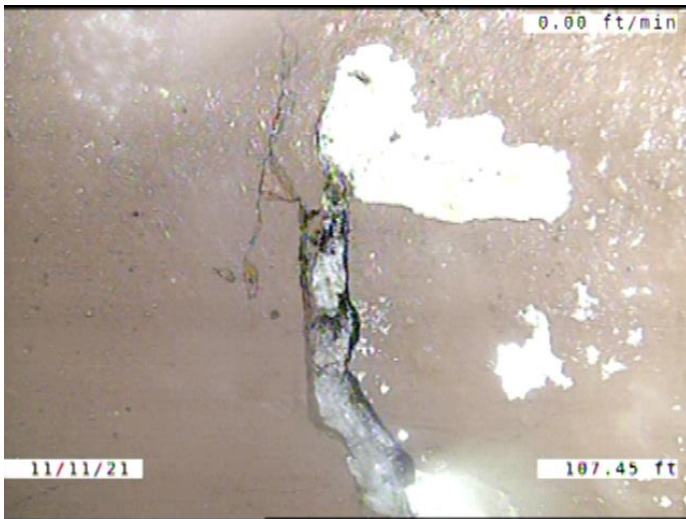
Code:	<b>FM</b>
Description:	<b>Fracture Multiple</b>
Distance (ft):	<b>100.7</b>
Structural Grade:	<b>4</b>
O&M Grade:	<b>0</b>
Clock Start/From:	<b>8</b>
Clock To:	<b>4</b>
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	<b>S09</b>
Within 8" of Joint:	<b>YES</b>
Remarks:	



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

Distance (ft): **100.7**  
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: **NO**  
Remarks:

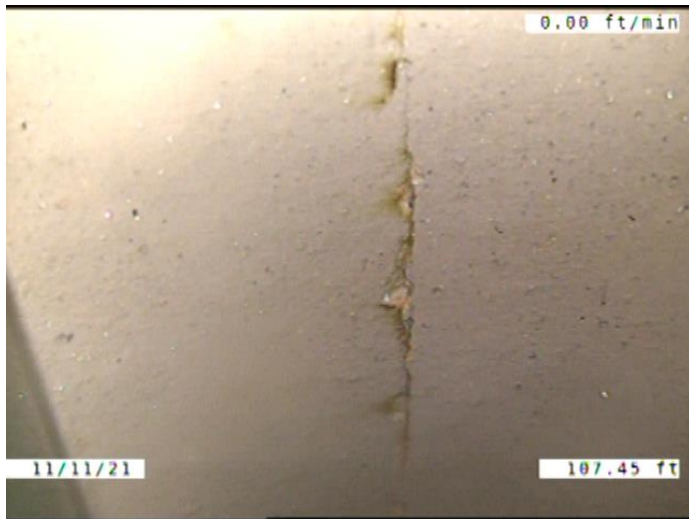
---



Code: **DAE**  
Description: **Deposits Attached Encrustation**

Distance (ft): **107.5**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **2**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index: **S06**  
Within 8" of Joint: **YES**  
Remarks:

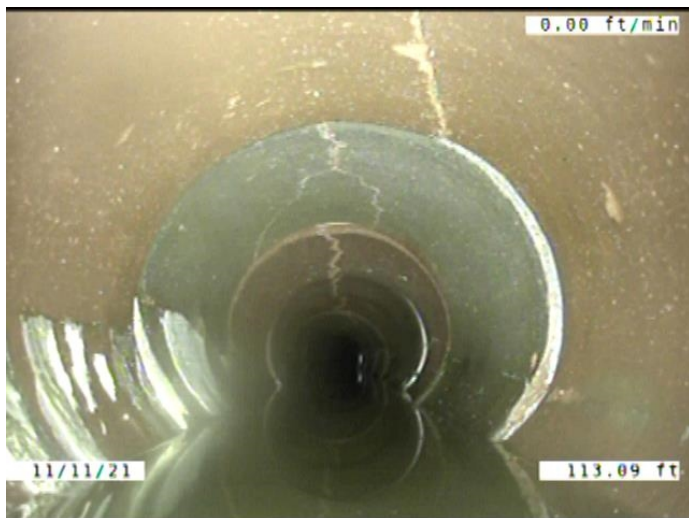
---



Code: **DAE**  
Description: **Deposits Attached Encrustation**

Distance (ft): **107.5**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **8**  
Clock To: **10**  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index: **S07**  
Within 8" of Joint: **YES**  
Remarks:

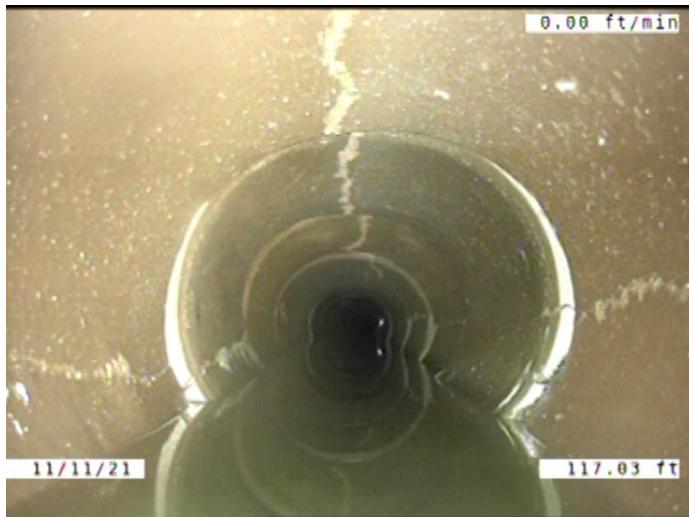
---



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

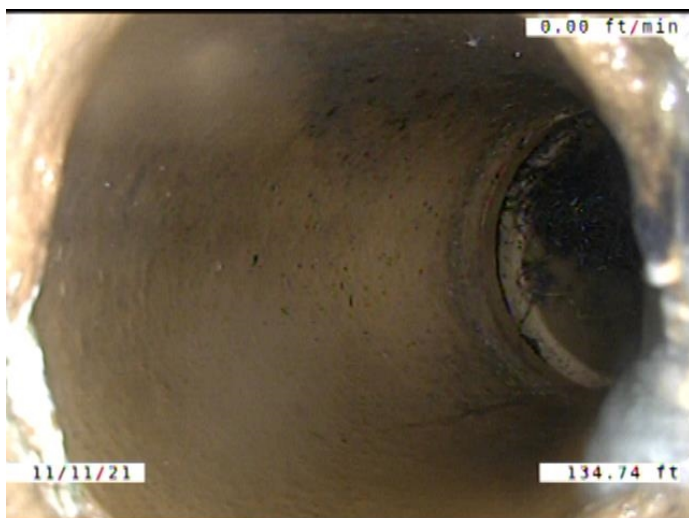
Distance (ft): **113.1**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

---



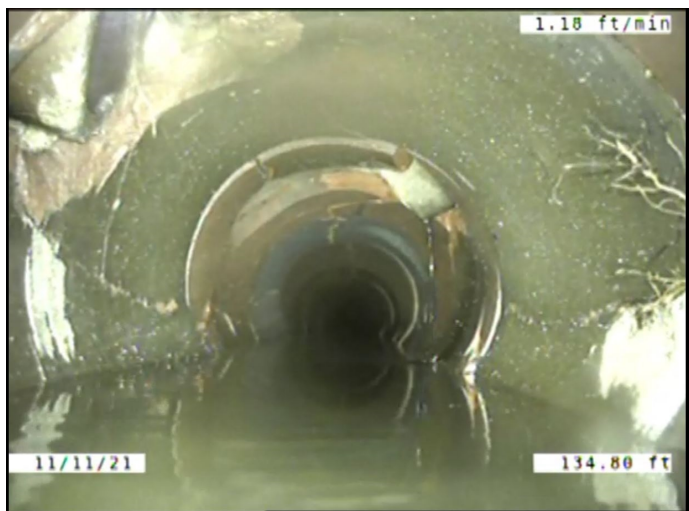
Code: **RFJ**  
 Description: **Roots Fine Joint**

Distance (ft): **117.0**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From: **8**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index: **F05**  
 Within 8" of Joint: **YES**  
 Remarks:



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

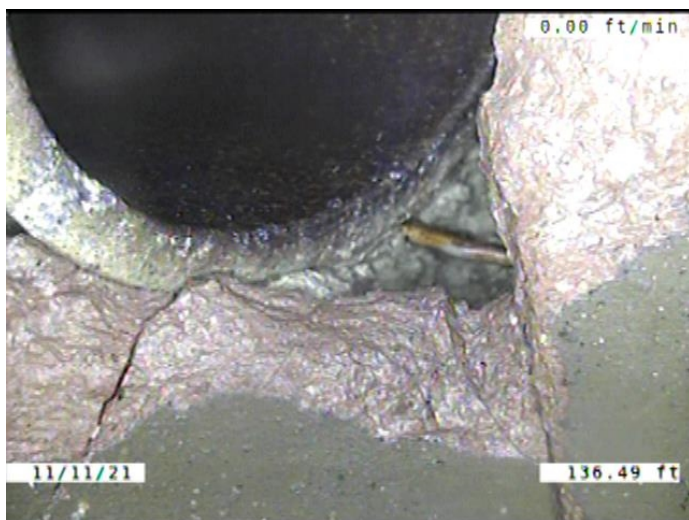
Distance (ft): **134.7**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **2**  
 Clock To:  
 1st Value: **4.000**  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks: **CONSTANTLY RUNNING WATER.  
 ROOTS GROWING FROM THE JOINT**



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

Distance (ft): **134.8**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **10**  
Clock To: **2**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **S10**  
Within 8" of Joint: **YES**  
Remarks:

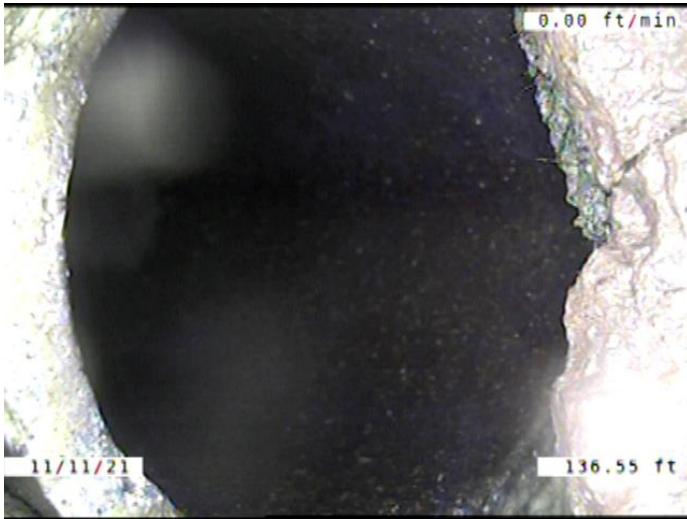
---



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

Distance (ft): **136.5**  
Structural Grade: **5**  
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:

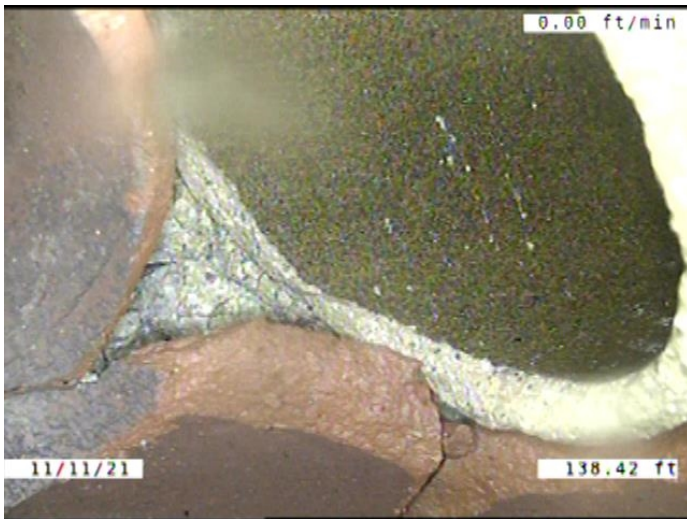
---



Code: **TFD**  
 Description: **Tap Factory Defective**

Distance (ft): **136.5**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **11**  
 Clock To:  
 1st Value: **4.000**  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks: **Defective**

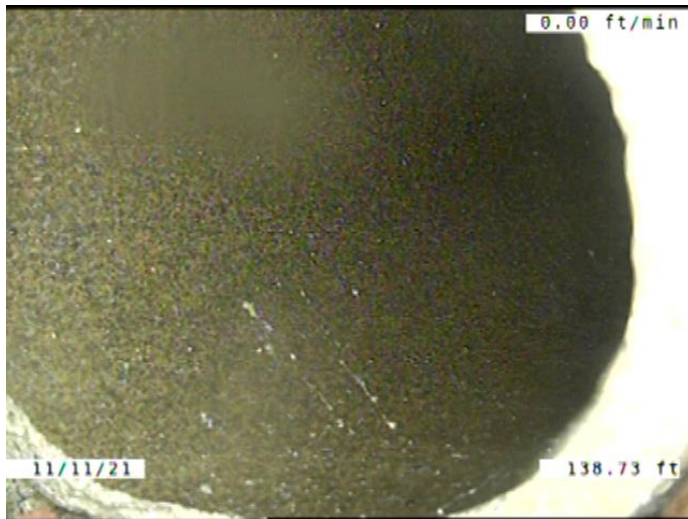
---



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

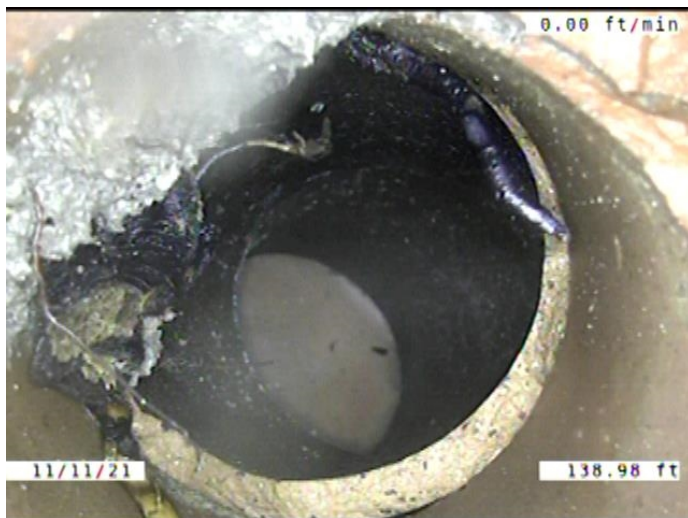
Distance (ft): **138.4**  
 Structural Grade: **5**  
 O&M Grade: **0**  
 Clock Start/From: **12**  
 Clock To: **2**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:

---



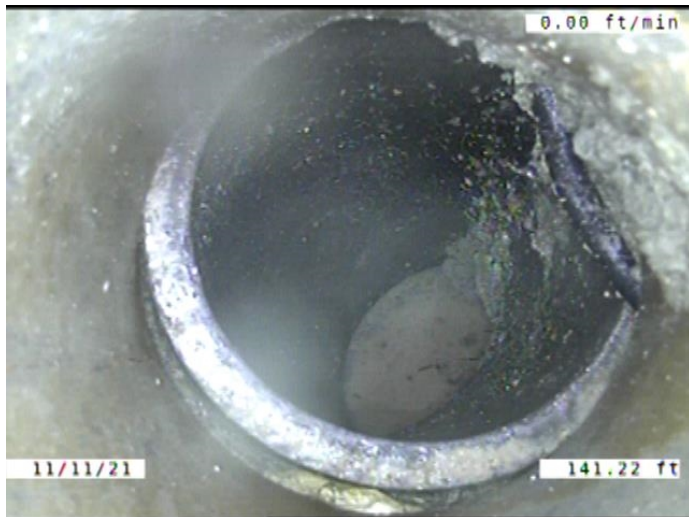
Code: **TBI**  
 Description: **Tap Break-in Intruding**

Distance (ft): **138.7**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **1**  
 Clock To:  
 1st Value: **4.000**  
 2nd Value: **2.000**  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



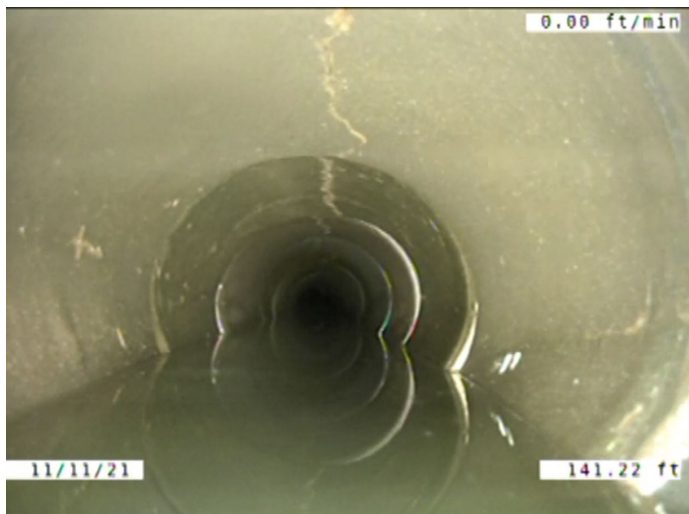
Code: **TFD**  
 Description: **Tap Factory Defective**

Distance (ft): **139.0**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **11**  
 Clock To:  
 1st Value: **4.000**  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks: **BROKEN. SOIL VISIBLE. ROOTS GROWING OUT OF THE OFFSET AND**



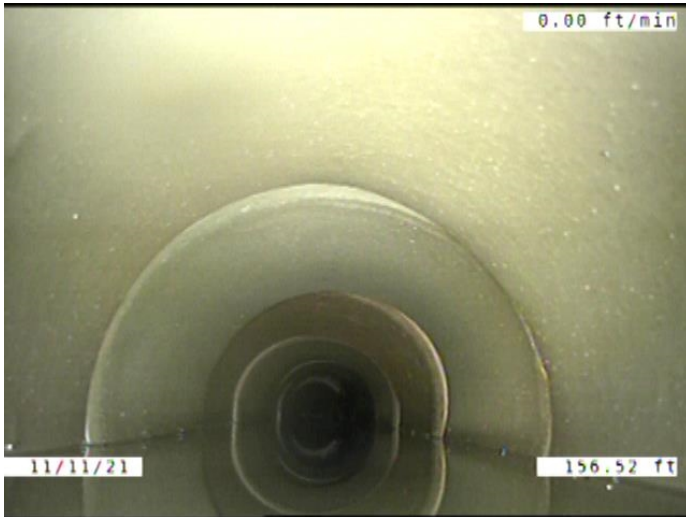
Code:	<b>TFC</b>
Description:	<b>Tap Factory Capped</b>
Distance (ft):	<b>141.2</b>
Structural Grade:	<b>0</b>
O&M Grade:	<b>0</b>
Clock Start/From:	<b>1</b>
Clock To:	
1st Value:	<b>4.000</b>
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	<b>YES</b>
Remarks:	<b>BROKEN. OFFSET. SOIL VISIBLE. ROOTS GROWING FROM THE JOINT</b>

---



Code:	<b>B</b>
Description:	<b>Broken</b>
Distance (ft):	<b>141.2</b>
Structural Grade:	<b>4</b>
O&M Grade:	<b>0</b>
Clock Start/From:	<b>10</b>
Clock To:	<b>2</b>
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	<b>F10</b>
Within 8" of Joint:	<b>YES</b>
Remarks:	

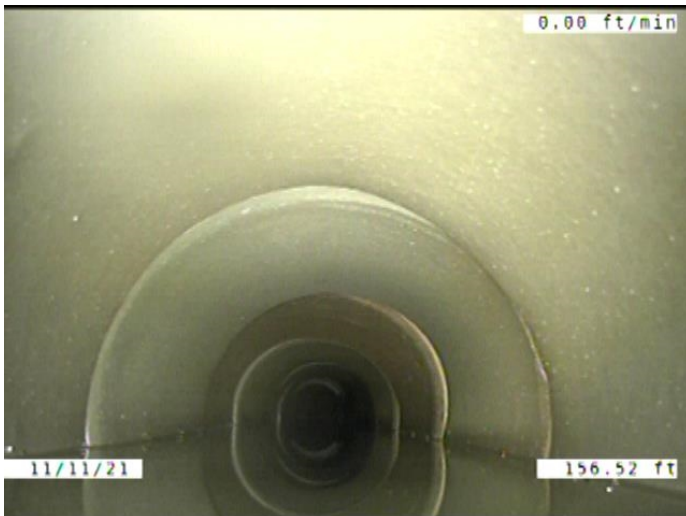
---



Code: **DAE**  
Description: **Deposits Attached Encrustation**

Distance (ft): **156.5**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **8**  
Clock To: **10**  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index: **F07**  
Within 8" of Joint: **YES**  
Remarks:

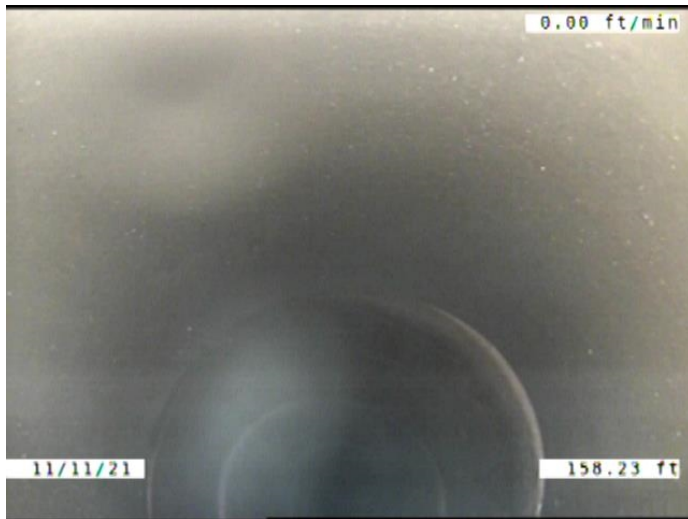
---



Code: **DAE**  
Description: **Deposits Attached Encrustation**

Distance (ft): **156.5**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **2**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index: **F06**  
Within 8" of Joint: **YES**  
Remarks:

---



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

Distance (ft): **158.2**  
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: **FM**  
Description: **Fracture Multiple**

Distance (ft): **171.8**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **8**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **F09**  
Within 8" of Joint: **YES**  
Remarks:

---



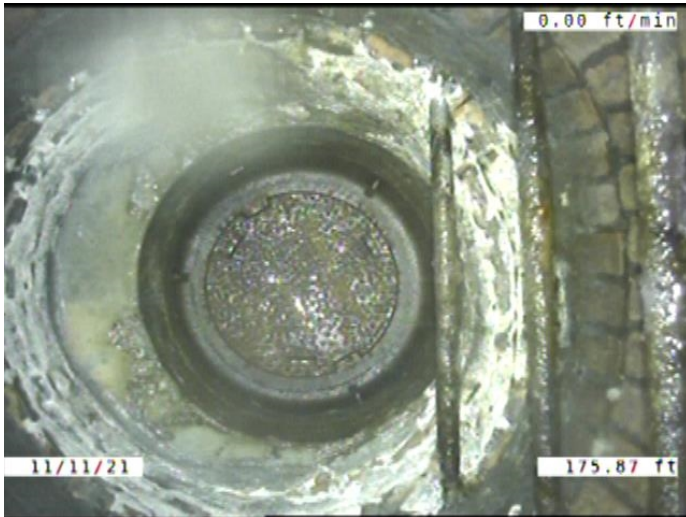
Code: **MWL**  
 Description: **Miscellaneous Water Level**

Distance (ft): **173.7**  
 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: **DSF**  
 Description: **Deposits Settled Fine**

Distance (ft): **174.6**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **5**  
 Clock To: **7**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index: **F03**  
 Within 8" of Joint: **YES**  
 Remarks: **ALSO RAGS**



Code:	<b>AMH</b>
Description:	<b>Manhole</b>
Distance (ft):	<b>175.9</b>
Structural Grade:	<b>0</b>
O&M Grade:	<b>0</b>
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	<b>NO</b>
Remarks:	<b>M-605-028</b>