

# Profile/Photo Observation Report




Date:	<b>11/01/2021</b>	Weather:		Coding:	<b>PACP 7.0</b>
Pipe Length (ft):	<b>155.8</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-504-031-030</b>
Customer:	<b>City of Hobart</b>	Clean Date:	<b>10/28/2021</b>	Shape:	<b>C</b>

Street:	<b>North Colorado Street</b>	Flow Control:	<b>Not Controlled</b>
City:	<b>Hobart, IN</b>	Year Renewed:	
Location:	<b>Alley</b>	Tape/Media #:	
Purpose:	<b>Routine Assessment</b>	Dia/Height:	<b>12"</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>Upstream</b>
US MH:	<b>M-504-030</b>	DS MH:	<b>M-504-031</b>
		Total Length Surveyed (ft):	<b>155.8</b>

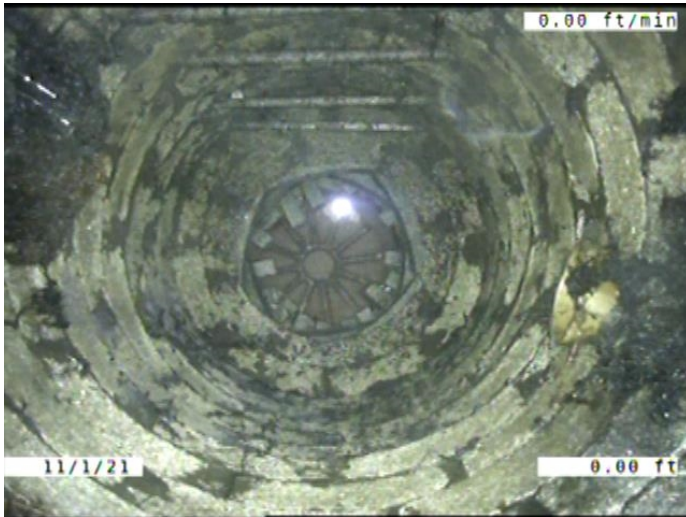
O&M Index:	<b>2.22</b>	O&M Quick:	<b>423A</b>	O&M Rating:	<b>60.00</b>
Structural Index:	<b>2.42</b>	Structural Quick:	<b>4133</b>	Structural Rating:	<b>29.00</b>
Overall Index:	<b>2.28</b>	Overall Quick:	<b>433B</b>	Overall Rating:	<b>89.00</b>

	Position	Code	Observation	Video (sec)	Grade
	.0	AMH	Manhole	1	NA
	.0	MWL	Miscellaneous Water Level	68	NA
	2.9	RMJ	Roots Medium Joint	117	M 3
	4.6	DSF	Deposits Settled Fine	167	M 2
	5.7	RMJ	Roots Medium Joint	199	M 3
	8.4	RFJ	Roots Fine Joint	257	M 1
	9.4	TFC	Tap Factory Capped	285	NA
	11.6	TFC	Tap Factory Capped	319	NA
	13.0	RFJ	Roots Fine Joint	356	M 1
	20.8	RMJ	Roots Medium Joint	441	M 3
	23.2	RMJ	Roots Medium Joint	499	M 3
	31.9	CL	Crack Longitudinal	581	S 2
	32.6	SSS	Surface Damage Surface Spalling	612	S 2
	33.0	TBD	Tap Break-in/Hammer Defective	634	M 3
	38.8	RMJ	Roots Medium Joint	695	M 3
	39.1	JAM	Joint Angular Medium	732	S 3
	41.4	RBJ	Roots Ball Joint	777	M 4
	44.3	RFJ	Roots Fine Joint	837	M 1
	45.3	TFC	Tap Factory Capped	866	NA



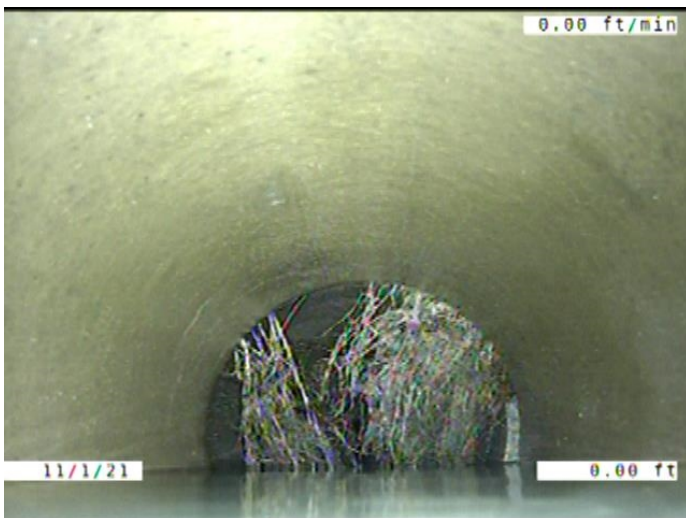
49.4	RFJ	Roots Fine Joint	932	M 1
51.7	RMJ	Roots Medium Joint	997	M 3
54.8	RMJ	Roots Medium Joint	1091	M 3
54.8	SZ	Surface Damage Other	1118	NA
57.0	RBJ	Roots Ball Joint	1170	M 4
59.8	RMJ	Roots Medium Joint	1233	M 3
61.7	MWL	Miscellaneous Water Level	1275	NA
69.3	MWL	Miscellaneous Water Level	1365	NA
70.6	JAM	Joint Angular Medium	1412	S 3
75.9	FM	Fracture Multiple	1478	S 4
76.7	TBI	Tap Break-in Intruding	1499	M 2
82.1	TFD	Tap Factory Defective	1548	M 3
83.8	SSS	Surface Damage Surface Spalling	1582	S 2
84.7	TFC	Tap Factory Capped	1612	NA
91.7	RFJ	Roots Fine Joint	1690	M 1
112.3	CM	Crack Multiple	1831	S 3
115.4	RFJ	Roots Fine Joint	1876	M 1
124.2	TFD	Tap Factory Defective	1949	M 3
126.7	TFD	Tap Factory Defective	1992	M 3
129.6	SSS	Surface Damage Surface Spalling	2087	S 2
130.3	TBI	Tap Break-in Intruding	2112	M 2
133.7	SSS	Surface Damage Surface Spalling	2176	S 2
133.7	CL	Crack Longitudinal	2194	S 2
136.2	RFJ	Roots Fine Joint	2237	M 1
138.6	RFJ	Roots Fine Joint	2276	M 1
141.3	RFJ	Roots Fine Joint	2317	M 1
151.6	RFJ	Roots Fine Joint	2421	M 1
153.4	SSS	Surface Damage Surface Spalling	2464	S 2
154.4	SSS	Surface Damage Surface Spalling	2493	S 2
155.8	AMH	Manhole	2591	NA

M-504-030



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-504-031**



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: **15.000**  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:



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

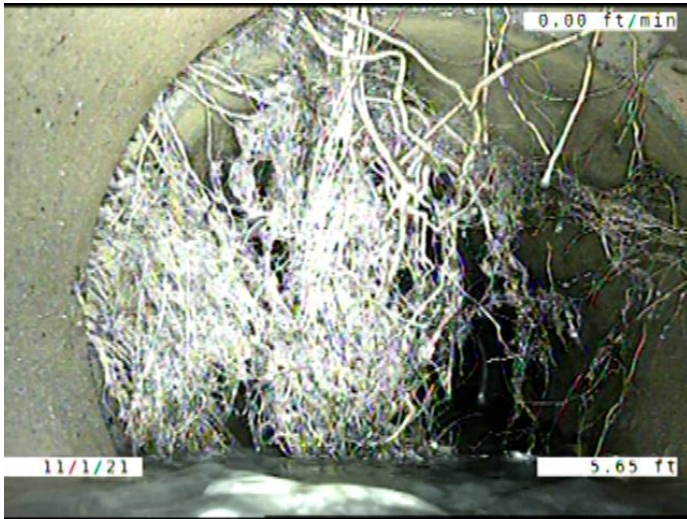
Distance (ft): **2.9**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **9**  
 Clock To: **3**  
 1st Value:  
 2nd Value:  
 Value Percent: **50.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

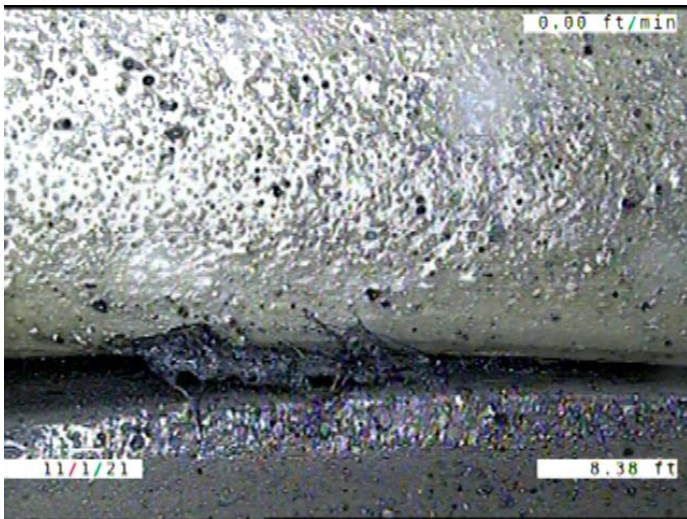
Distance (ft): **4.6**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **4**  
 Clock To: **8**  
 1st Value:  
 2nd Value:  
 Value Percent: **10.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:





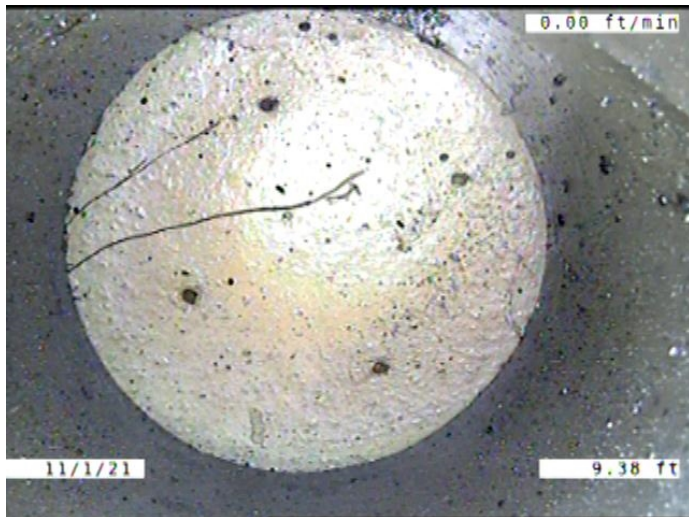
Code: **RMJ**  
 Description: **Roots Medium Joint**

Distance (ft): **5.7**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **7**  
 Clock To: **3**  
 1st Value:  
 2nd Value:  
 Value Percent: **50.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

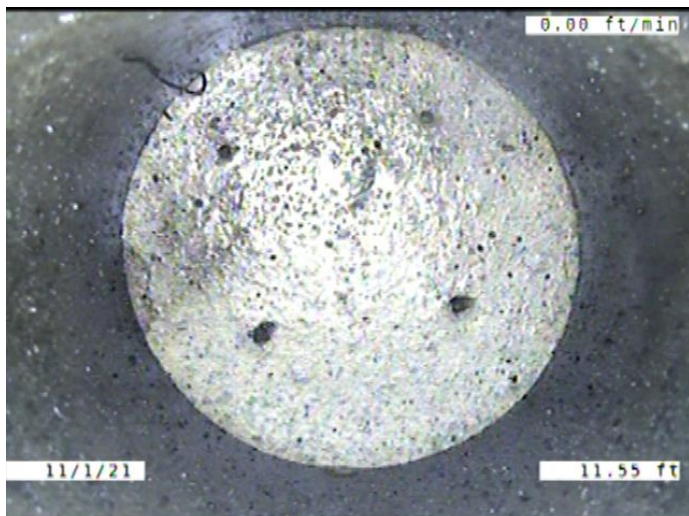
Distance (ft): **8.4**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From: **9**  
 Clock To: **1**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **9.4**  
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 CAP**

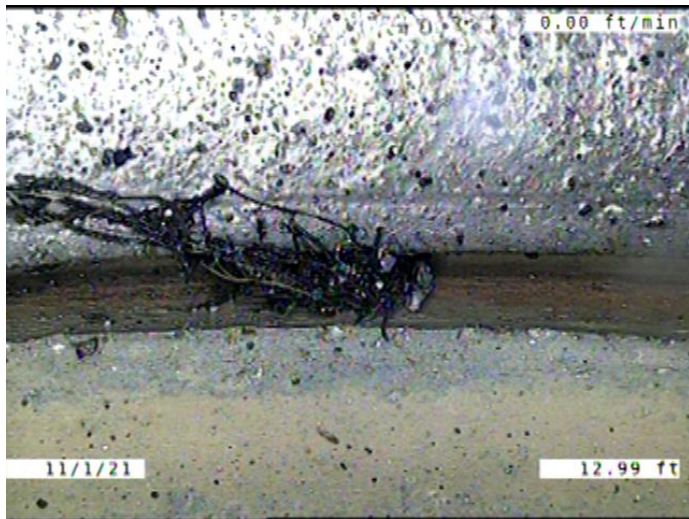
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Code: **TFC**  
Description: **Tap Factory Capped**

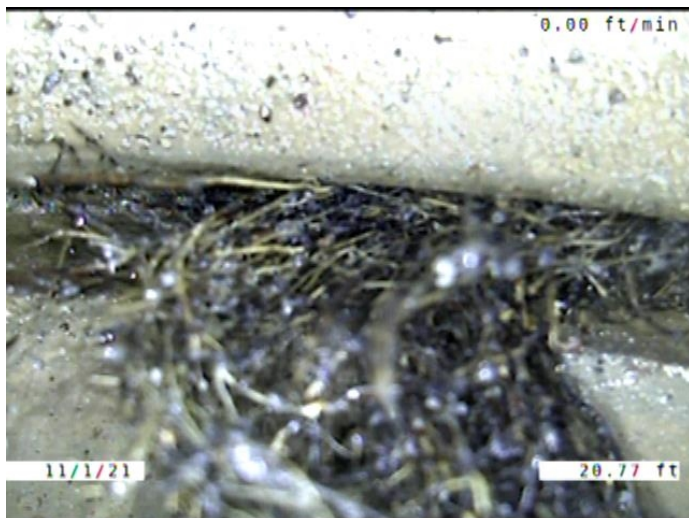
Distance (ft): **11.6**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From: **11**  
Clock To:  
1st Value: **4.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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

Distance (ft): **13.0**  
 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: **RMJ**  
 Description: **Roots Medium Joint**

Distance (ft): **20.8**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **12**  
 Clock To: **3**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:





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

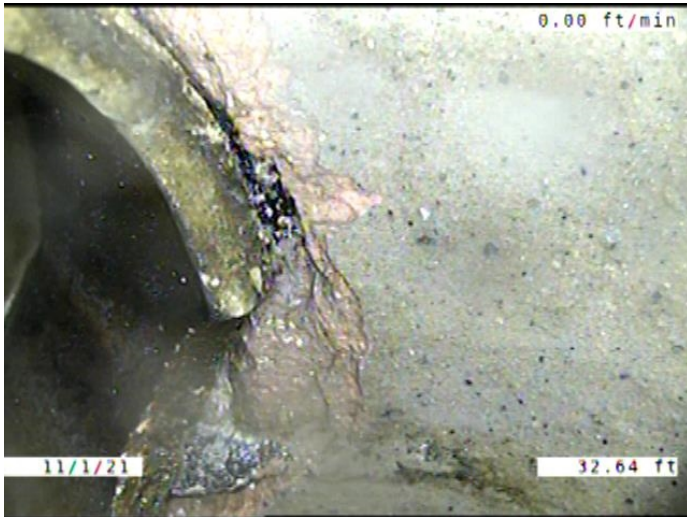
Distance (ft): **23.2**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **9**  
 Clock To: **11**  
 1st Value:  
 2nd Value:  
 Value Percent: **15.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **31.9**  
 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:

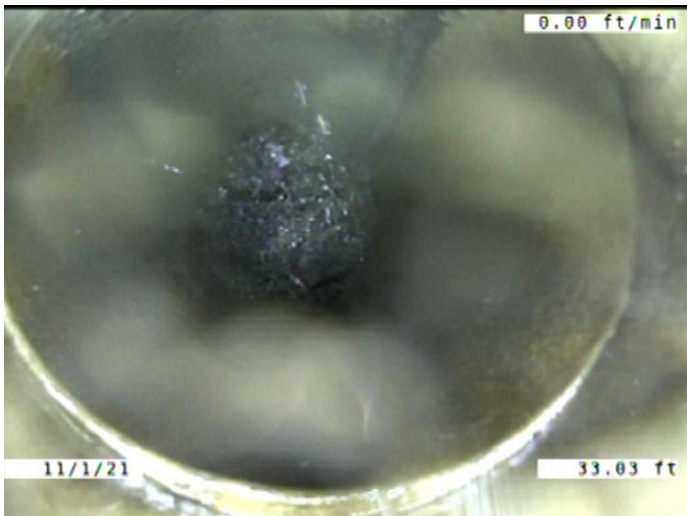




Code: **SSS**  
Description: **Surface Damage Surface Spalling**

Distance (ft): **32.6**  
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: **TBD**  
Description: **Tap Break-in/Hammer Defective**

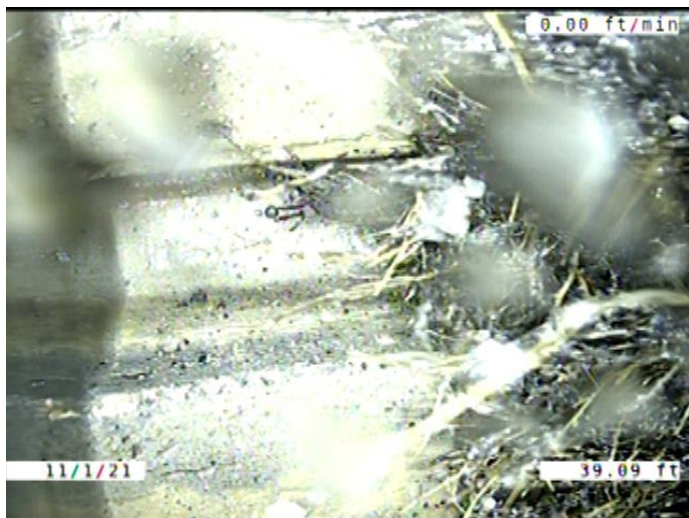
Distance (ft): **33.0**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **12**  
Clock To:  
1st Value: **4.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks: **CONSTANTLY RUNNING WATER.  
LOOKS TO BE 100% PLUGGED WITH**

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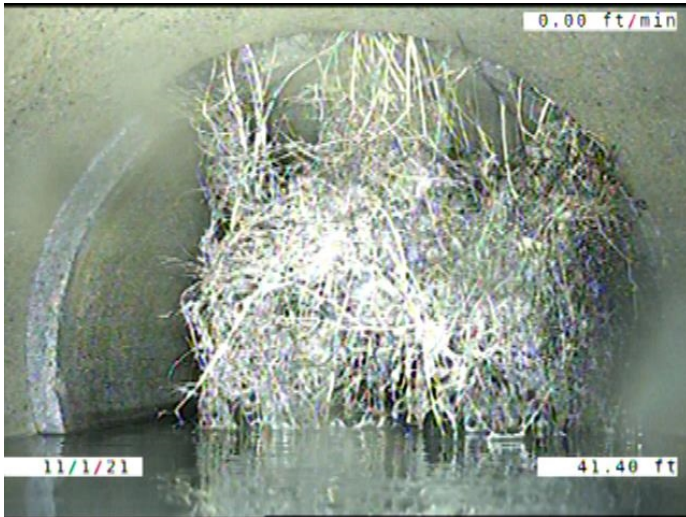
Code: **RMJ**  
 Description: **Roots Medium Joint**

Distance (ft): **38.8**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **9**  
 Clock To: **11**  
 1st Value:  
 2nd Value:  
 Value Percent: **25.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

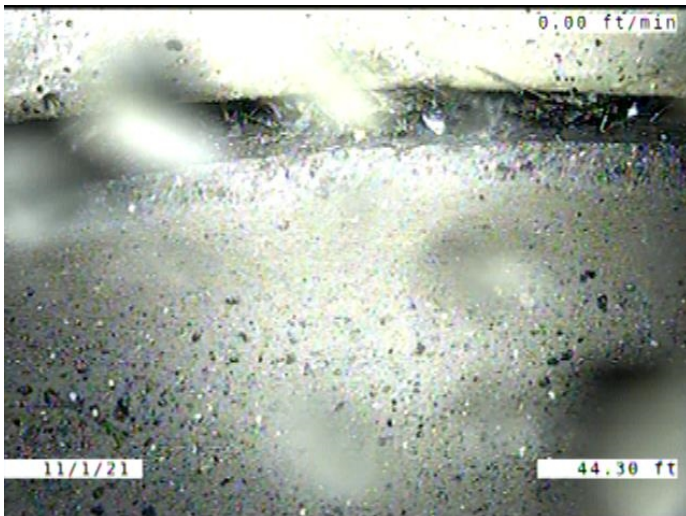
Distance (ft): **39.1**  
 Structural Grade: **3**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:



Code: **RBJ**  
Description: **Roots Ball Joint**

Distance (ft): **41.4**  
Structural Grade: **0**  
O&M Grade: **4**  
Clock Start/From: **11**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent: **60.000**  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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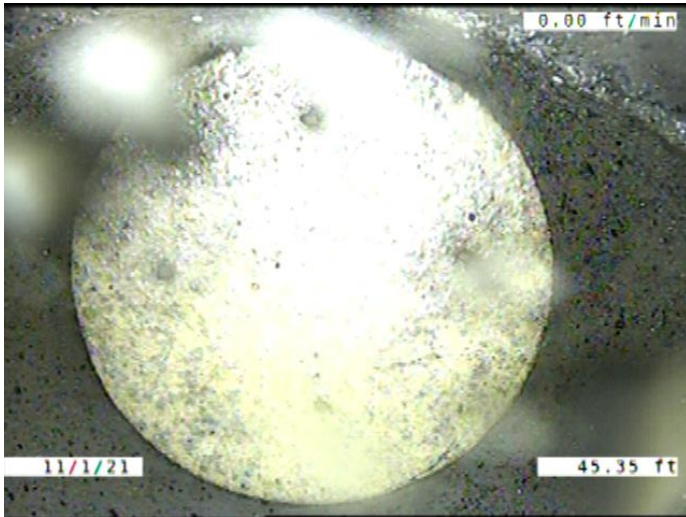


Code: **RFJ**  
Description: **Roots Fine Joint**

Distance (ft): **44.3**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **8**  
Clock To: **11**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

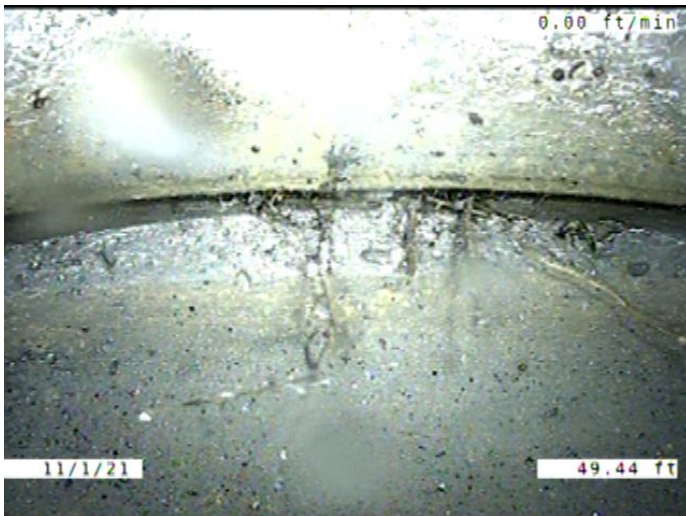
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Code: **TFC**  
 Description: **Tap Factory Capped**

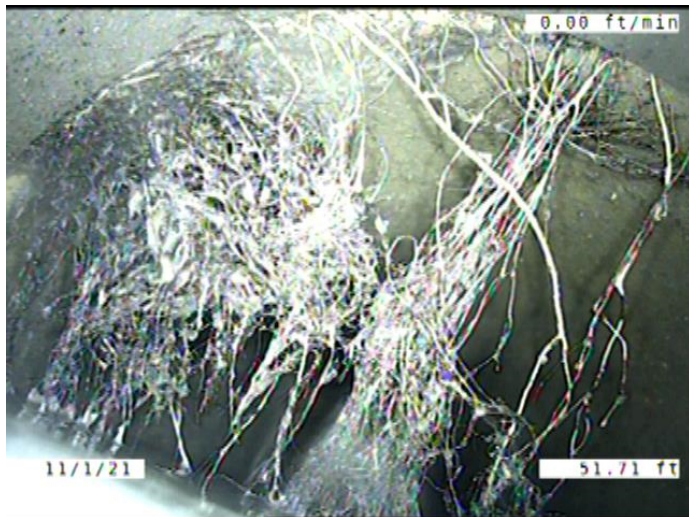
Distance (ft): **45.3**  
 Structural Grade: **0**  
 O&M Grade: **0**  
 Clock Start/From: **11**  
 Clock To:  
 1st Value: **4.000**  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

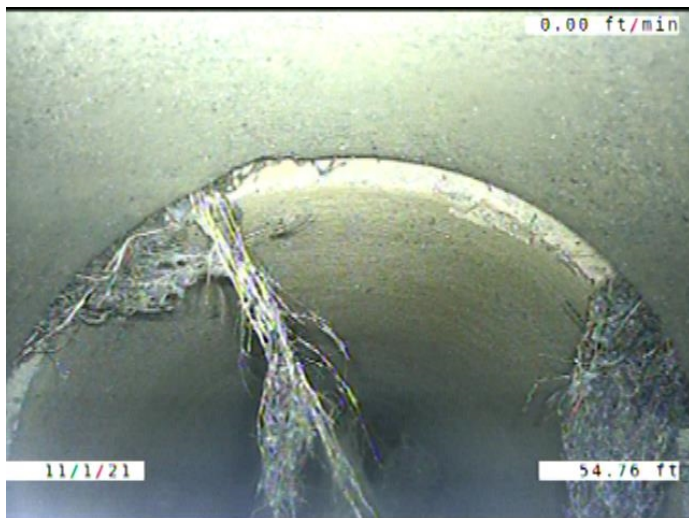
Distance (ft): **49.4**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From: **11**  
 Clock To: **12**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:





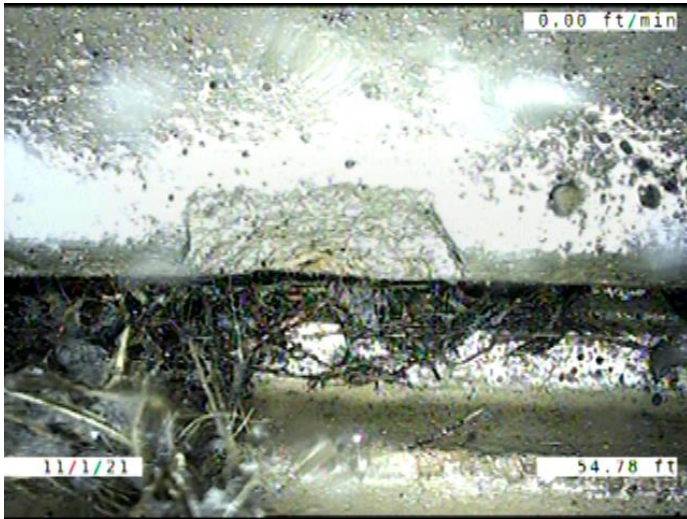
Code: **RMJ**  
 Description: **Roots Medium Joint**

Distance (ft): **51.7**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **10**  
 Clock To: **2**  
 1st Value:  
 2nd Value:  
 Value Percent: **20.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:

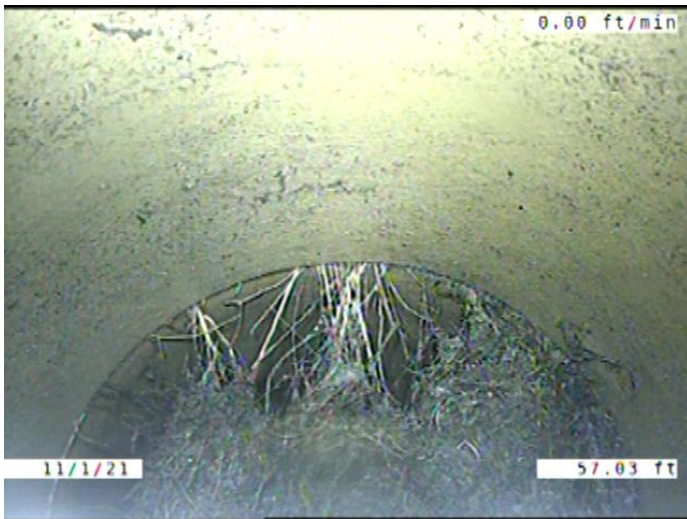


Code: **RMJ**  
 Description: **Roots Medium Joint**

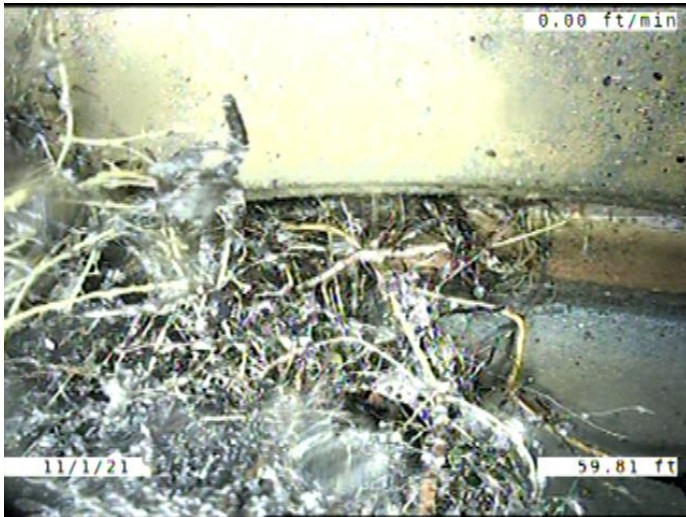
Distance (ft): **54.8**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **9**  
 Clock To: **3**  
 1st Value:  
 2nd Value:  
 Value Percent: **15.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



Code:	<b>SZ</b>
Description:	<b>Surface Damage Other</b>
Distance (ft):	<b>54.8</b>
Structural Grade:	<b>0</b>
O&M Grade:	<b>0</b>
Clock Start/From:	<b>11</b>
Clock To:	<b>12</b>
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	<b>YES</b>
Remarks:	<b>A PIECE CHIPPED AWAY FROM THE JOINT</b>

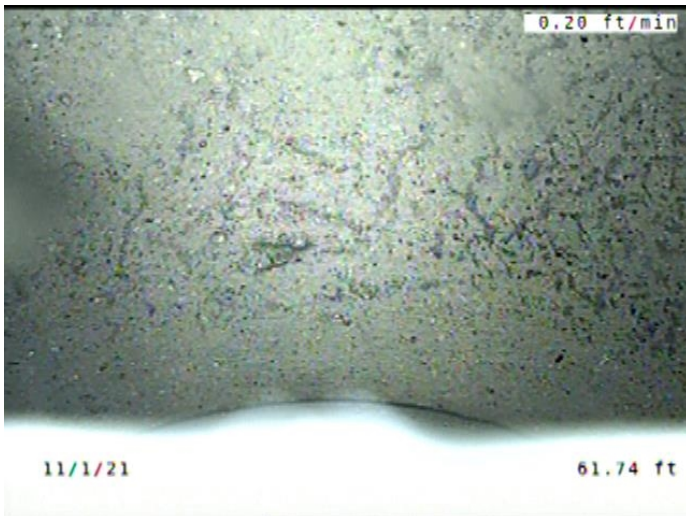


Code:	<b>RBJ</b>
Description:	<b>Roots Ball Joint</b>
Distance (ft):	<b>57.0</b>
Structural Grade:	<b>0</b>
O&M Grade:	<b>4</b>
Clock Start/From:	<b>9</b>
Clock To:	<b>3</b>
1st Value:	
2nd Value:	
Value Percent:	<b>80.000</b>
Continuous Index:	
Within 8" of Joint:	<b>YES</b>
Remarks:	



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

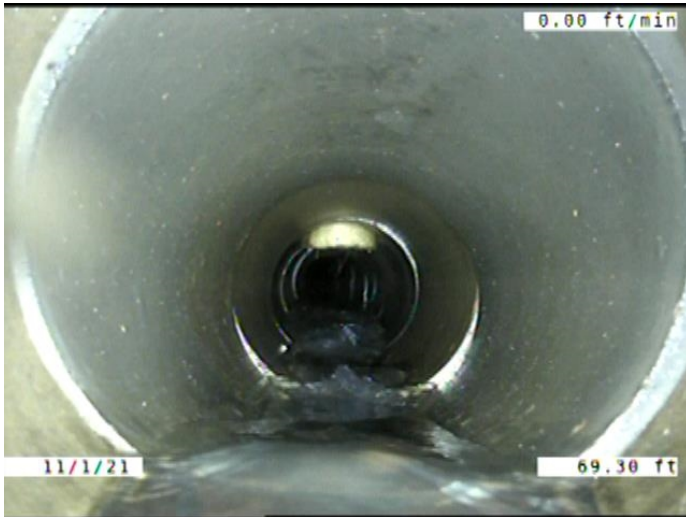
Distance (ft): **59.8**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **9**  
 Clock To: **11**  
 1st Value:  
 2nd Value:  
 Value Percent: **25.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **61.7**  
 Structural Grade: **0**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **25.000**  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:

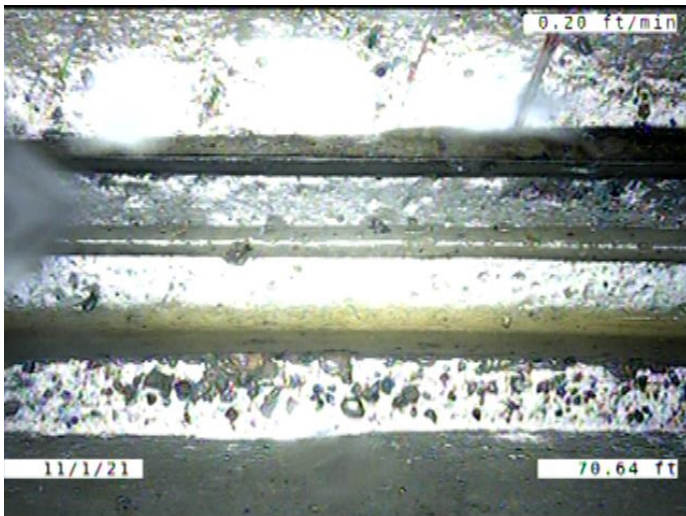




Code: **MWL**  
Description: **Miscellaneous Water Level**

Distance (ft): **69.3**  
Structural Grade: **0**  
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:

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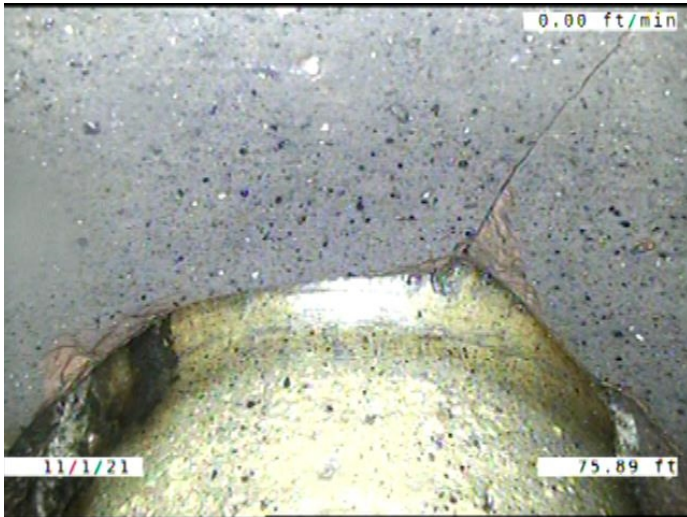


Code: **JAM**  
Description: **Joint Angular Medium**

Distance (ft): **70.6**  
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:

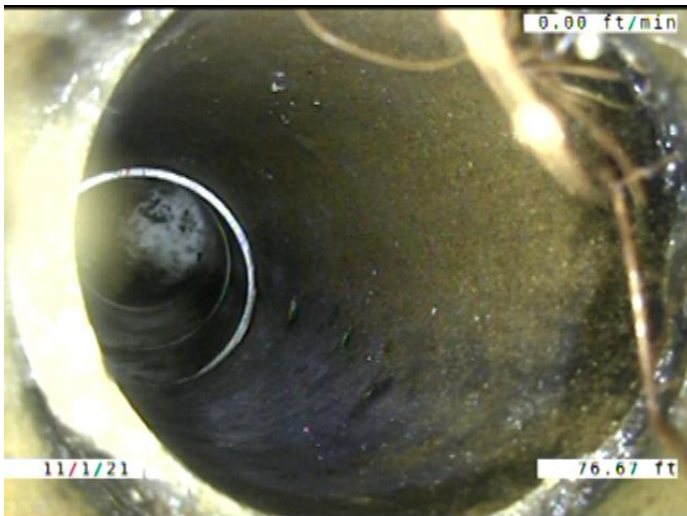
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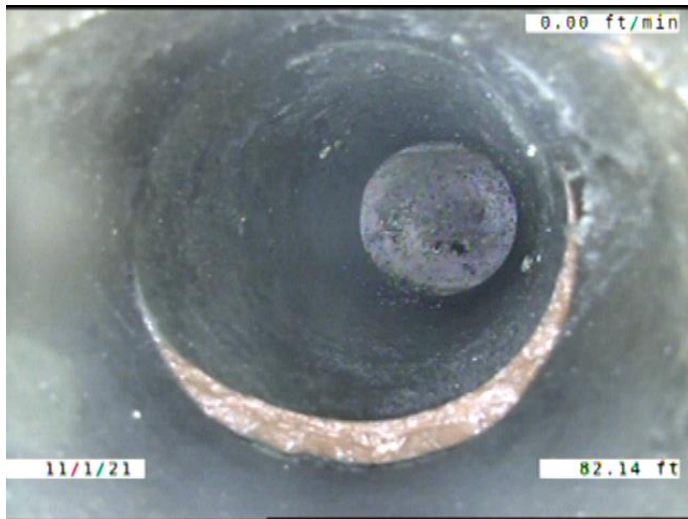
Code: **FM**  
 Description: **Fracture Multiple**

Distance (ft): **75.9**  
 Structural Grade: **4**  
 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:



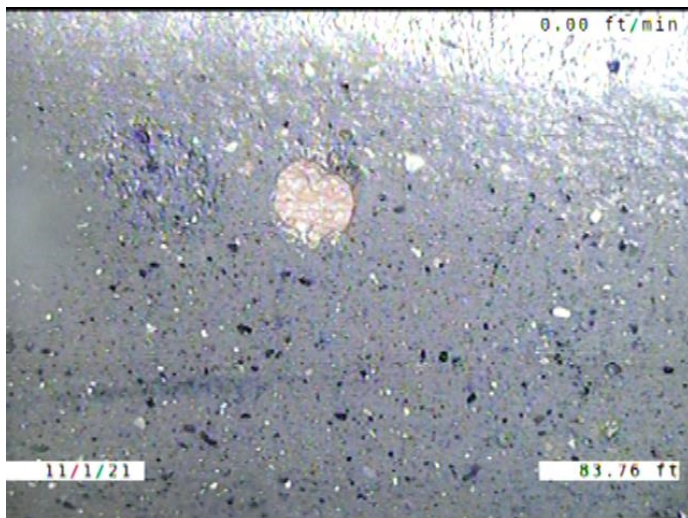
Code: **TBI**  
 Description: **Tap Break-in Intruding**

Distance (ft): **76.7**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **12**  
 Clock To:  
 1st Value: **4.000**  
 2nd Value: **1.000**  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks: **ROOTS GROWING FROM THE JOINT. CONSTANTLY DRIPPING WATER**



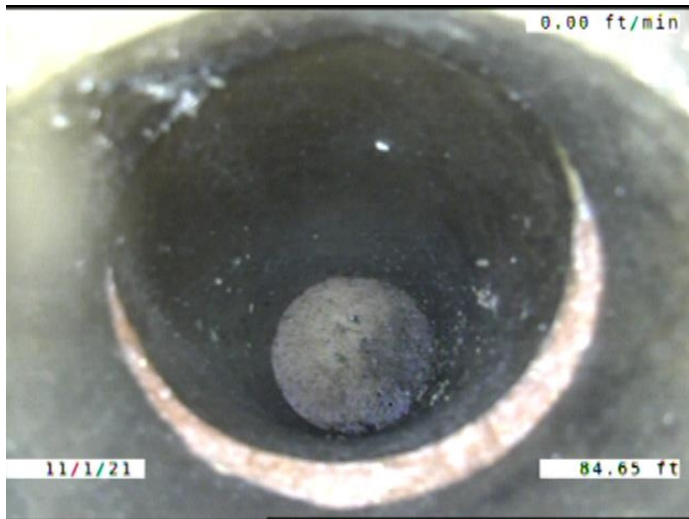
Code: **TFD**  
Description: **Tap Factory Defective**

Distance (ft): **82.1**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **1**  
Clock To:  
1st Value: **4.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks: **CAPPED. OFFSET. SOIL VISIBLE.**



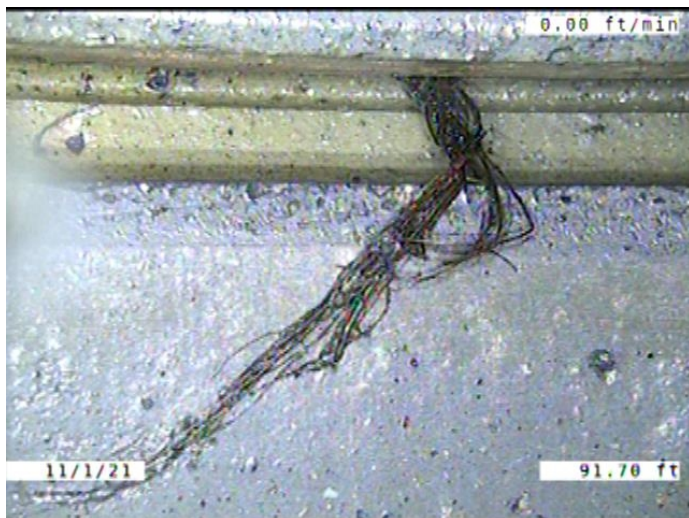
Code: **SSS**  
Description: **Surface Damage Surface Spalling**

Distance (ft): **83.8**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From: **2**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:



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

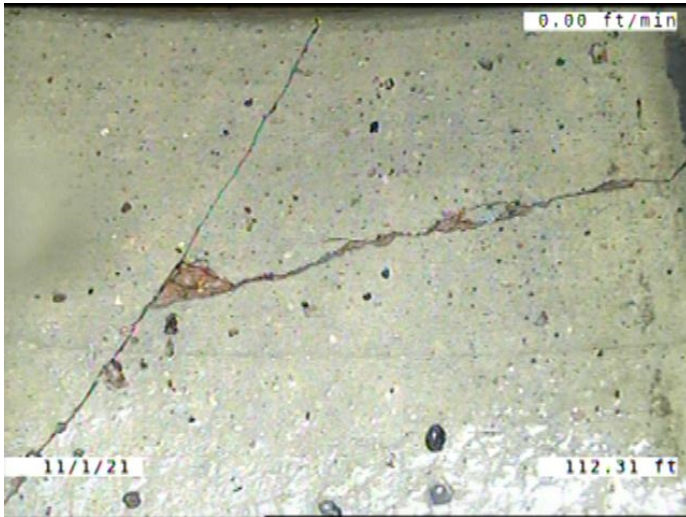
Distance (ft): **84.7**  
 Structural Grade: **0**  
 O&M Grade: **0**  
 Clock Start/From: **11**  
 Clock To:  
 1st Value: **4.000**  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

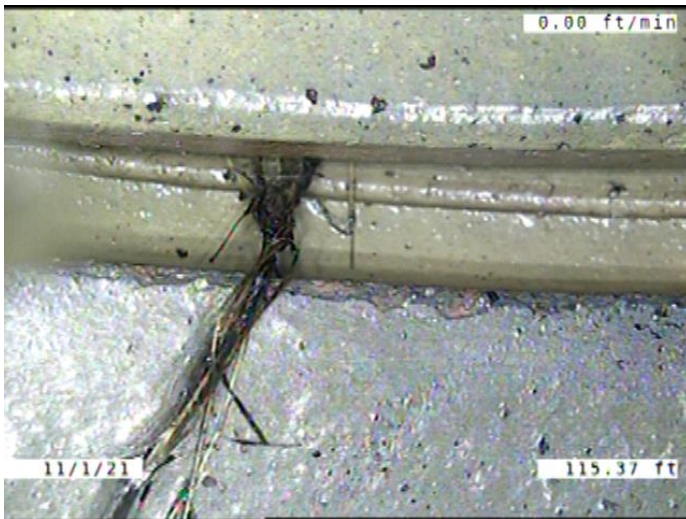
Distance (ft): **91.7**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From: **10**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:





Code: **CM**  
 Description: **Crack Multiple**

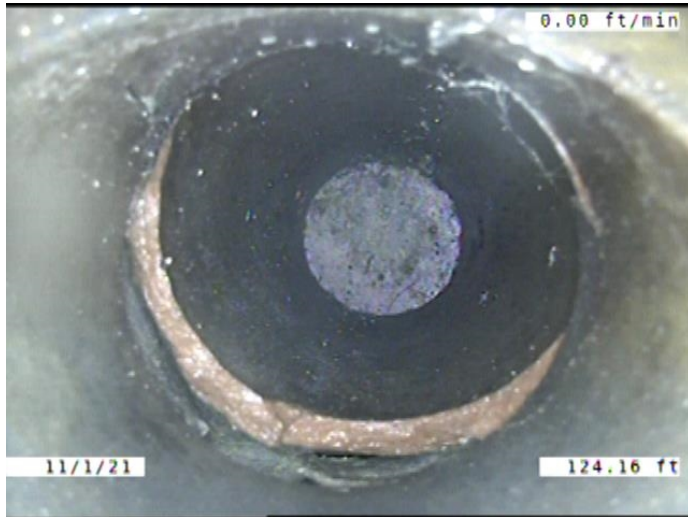
Distance (ft): **112.3**  
 Structural Grade: **3**  
 O&M Grade: **0**  
 Clock Start/From: **7**  
 Clock To: **10**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **115.4**  
 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:

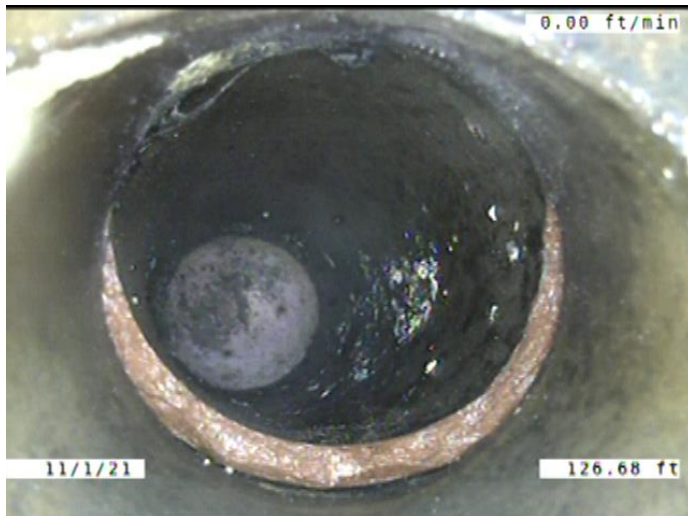




Code: **TFD**  
 Description: **Tap Factory Defective**

Distance (ft): **124.2**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **1**  
 Clock To:  
 1st Value: **4.000**  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks: **CAPPED. LARGE OFFSET. SOIL VISIBLE.**

---



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

Distance (ft): **126.7**  
 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: **CAPPED. OFFSET. SOIL VISIBLE.**

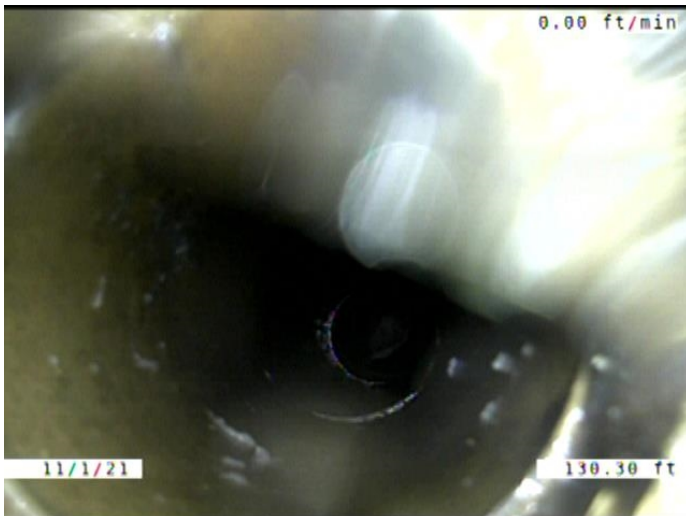
---



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

Distance (ft): **129.6**  
Structural Grade: **2**  
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:

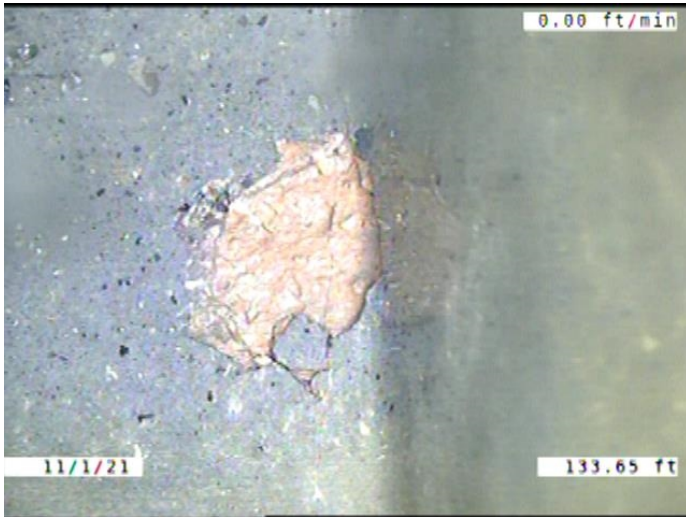
---



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

Distance (ft): **130.3**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **12**  
Clock To:  
1st Value: **4.000**  
2nd Value: **1.000**  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks: **CONSTANTLY RUNNING WATER.**

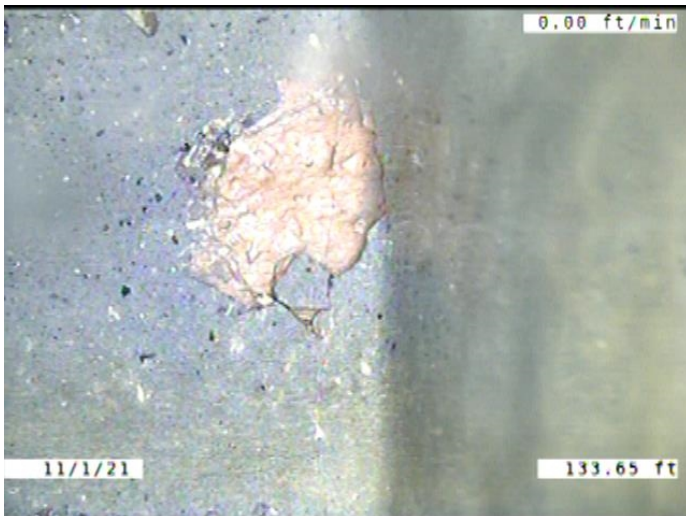
---



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

Distance (ft): **133.7**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From: **8**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

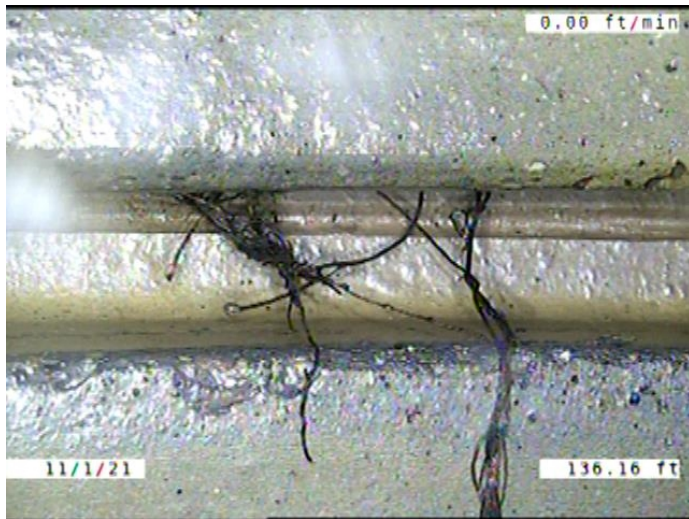
---



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

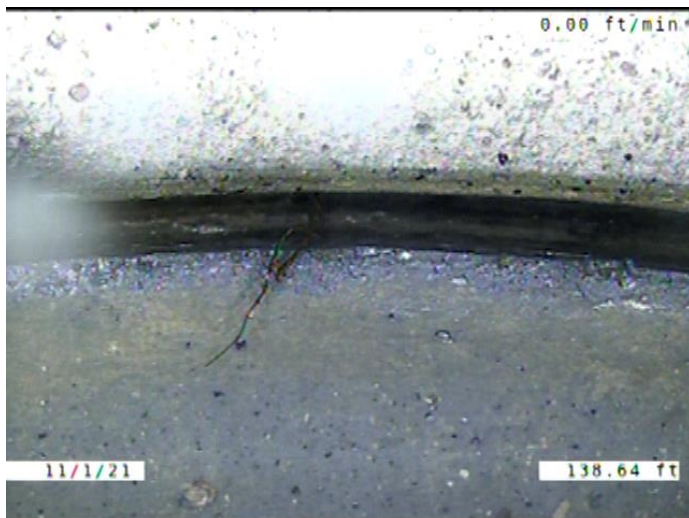
Distance (ft): **133.7**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From: **8**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

---



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

Distance (ft): **136.2**  
 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): **138.6**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From: **11**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:

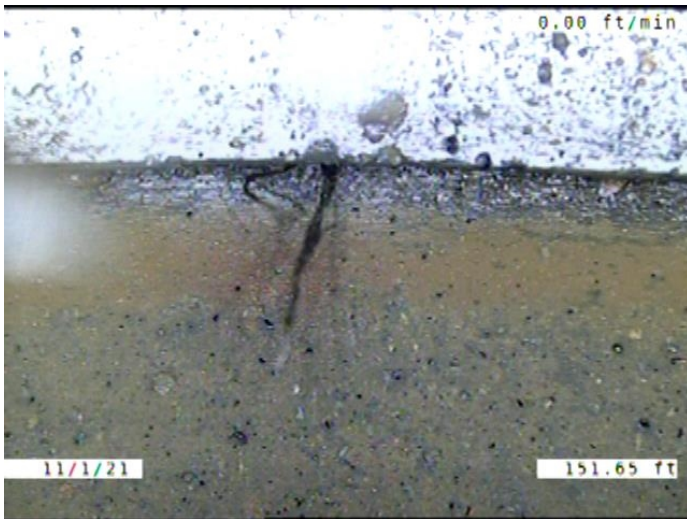




Code: **RFJ**  
Description: **Roots Fine Joint**

Distance (ft): **141.3**  
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:

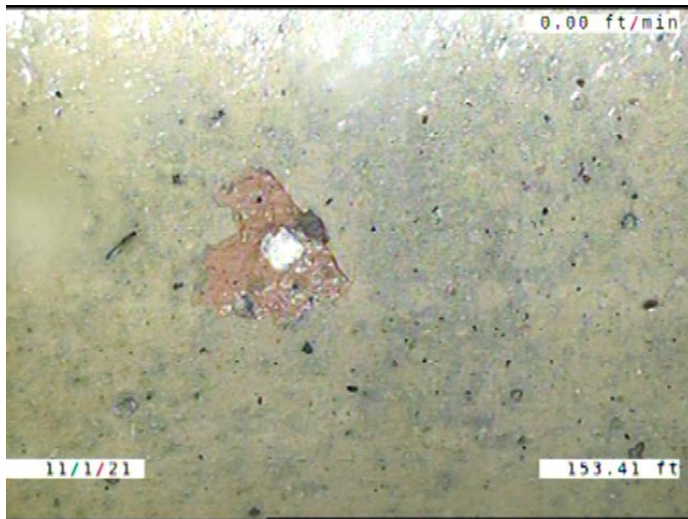
---



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

Distance (ft): **151.6**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **12**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

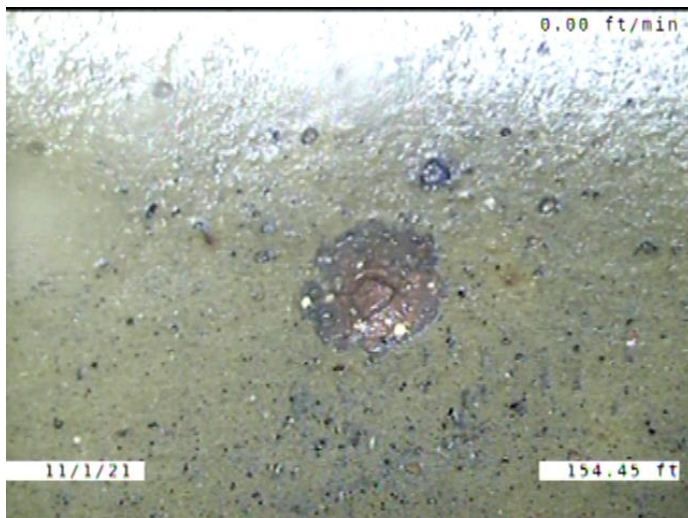
---



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

Distance (ft): **153.4**  
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:

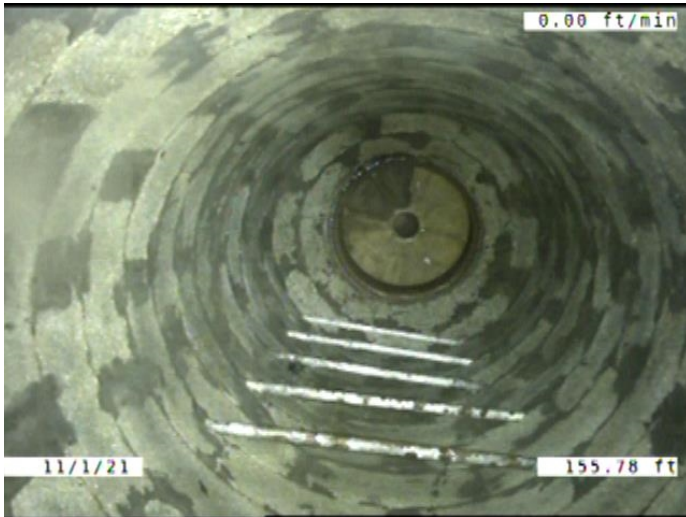
---



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

Distance (ft): **154.4**  
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:	<b>AMH</b>
Description:	<b>Manhole</b>
Distance (ft):	<b>155.8</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-504-030</b>