

# Profile/Photo Observation Report



Date:	<b>10/30/2021</b>	Weather:		Coding:	<b>PACP 7.0</b>
Pipe Length (ft):	<b>170.1</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-504-046-045</b>
Customer:	<b>City of Hobart</b>	Clean Date:	<b>10/26/2021</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>Downstream</b>
US MH:	<b>M-504-045</b>	DS MH:	<b>M-504-046</b>
		Total Length Surveyed (ft):	<b>170.1</b>

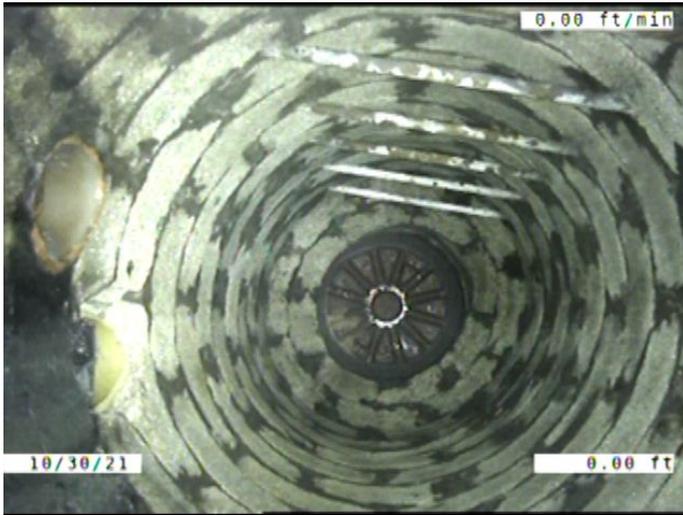
O&M Index:	<b>2.31</b>	O&M Quick:	<b>423A</b>	O&M Rating:	<b>74.00</b>
Structural Index:	<b>2.80</b>	Structural Quick:	<b>4532</b>	Structural Rating:	<b>42.00</b>
Overall Index:	<b>2.47</b>	Overall Quick:	<b>473A</b>	Overall Rating:	<b>116.00</b>

Position	Code	Observation	Video (sec)	Grade
<b>M-504-045</b>				
.0	AMH	Manhole	1	NA
.0	MWL	Miscellaneous Water Level	80	NA
6.1	CM	Crack Multiple	152	S 3
12.3	SSS	Surface Damage Surface Spalling	197	S 2
14.1	FM	Fracture Multiple	255	S 4
14.1	SSS	Surface Damage Surface Spalling	262	S 2
15.4	TBI	Tap Break-in Intruding	293	M 2
19.1	CM	Crack Multiple	379	S 3
20.2	TFD	Tap Factory Defective	412	M 3
35.3	SSS	Surface Damage Surface Spalling	507	S 2
37.7	TFD	Tap Factory Defective	549	M 3
45.5	MWLS(S01)	Miscellaneous Water Level Sag	594	S 2
49.8	B(S02)	Broken	681	S 4
51.1	TBI	Tap Break-in Intruding	708	M 2
52.8	B(F02)	Broken	778	S 4
61.5	MWLS(F01)	Miscellaneous Water Level Sag	850	S 2
65.0	OBN	Obstruction Construction Debris	894	M 2
66.9	SSS	Surface Damage Surface Spalling	960	S 2
67.4	TBD	Tap Break-in/Hammer Defective	979	M 3



75.5	TFD	Tap Factory Defective	1033	M 3
77.3	TFC	Tap Factory Capped	1068	NA
78.9	SSS	Surface Damage Surface Spalling	1121	S 2
79.3	TBI	Tap Break-in Intruding	1142	M 2
105.9	OBN	Obstruction Construction Debris	1297	M 2
116.6	RFJ	Roots Fine Joint	1372	M 1
119.1	RFJ	Roots Fine Joint	1407	M 1
121.8	RMJ	Roots Medium Joint	1450	M 3
122.9	TFC	Tap Factory Capped	1484	NA
123.8	RMJ	Roots Medium Joint	1527	M 3
124.9	TFD	Tap Factory Defective	1554	M 3
125.9	RFJ	Roots Fine Joint	1589	M 1
128.4	RMJ	Roots Medium Joint	1631	M 3
128.8	RMC	Roots Medium Connection	1663	M 3
128.8	FM	Fracture Multiple	1707	S 4
129.1	TBI	Tap Break-in Intruding	1724	M 2
131.1	IRJ	Infiltration Runner Joint	1794	M 4
131.1	IRB	Infiltration Runner Barrel	1828	M 4
131.1	B(S03)	Broken	1906	S 4
132.3	TBD	Tap Break-in/Hammer Defective	1943	M 3
133.6	RFB	Roots Fine Barrel	1974	M 2
134.4	B(F03)	Broken	1999	S 4
135.2	DSF(S04)	Deposits Settled Fine	2012	M 2
138.5	RFJ	Roots Fine Joint	2039	M 1
163.0	TFD	Tap Factory Defective	2182	M 3
164.9	TFC	Tap Factory Capped	2216	NA
166.1	B	Broken	2273	S 4
166.1	ISB	Infiltration Stain Barrel	2292	M 1
168.9	DSF(F04)	Deposits Settled Fine	2321	M 2
170.1	AMH	Manhole	2390	NA

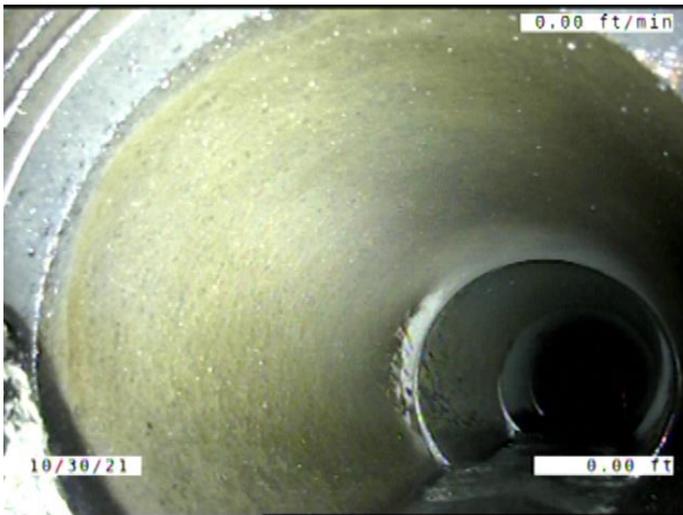
M-504-046



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**

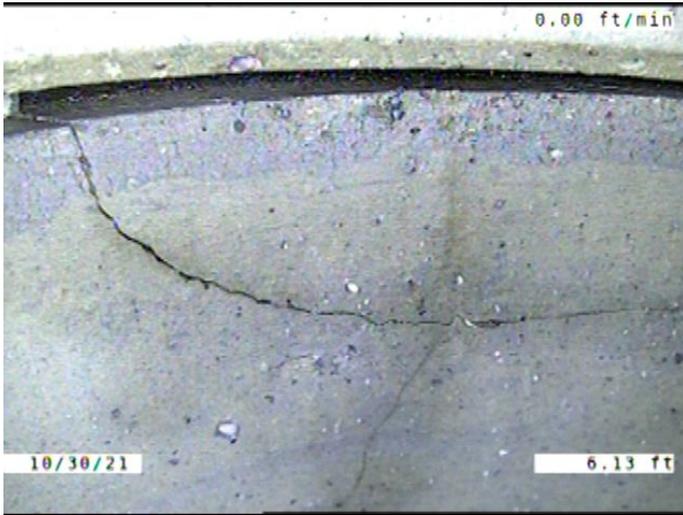
Remarks: **M-504-045**



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

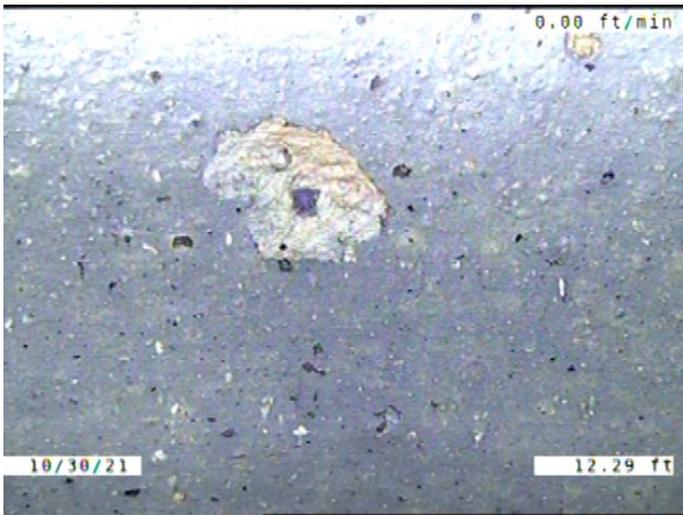
Distance (ft): **.0**  
 Structural Grade: **0**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **NO**

Remarks:



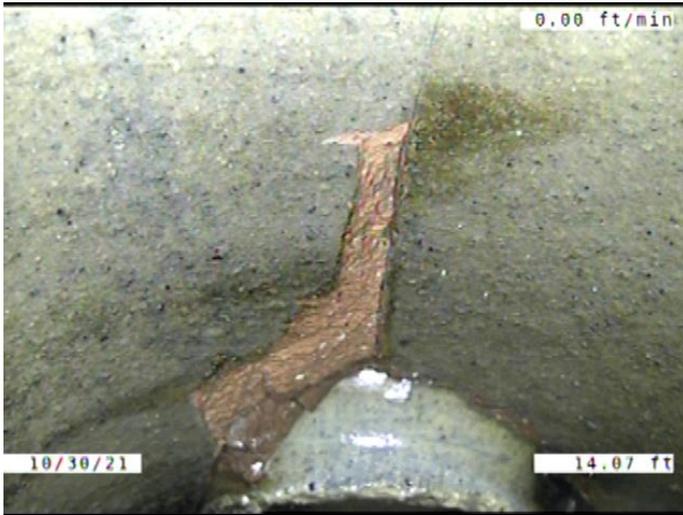
Code: **CM**  
Description: **Crack Multiple**

Distance (ft): **6.1**  
Structural Grade: **3**  
O&M Grade: **0**  
Clock Start/From: **9**  
Clock To: **1**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:



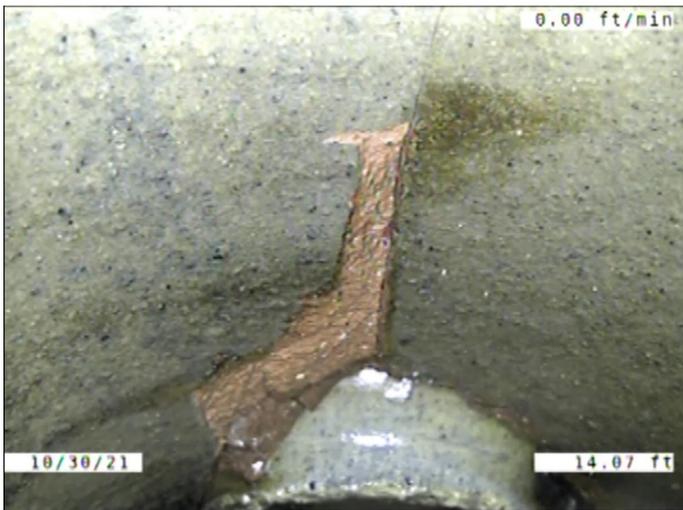
Code: **SSS**  
Description: **Surface Damage Surface Spalling**

Distance (ft): **12.3**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From: **9**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:



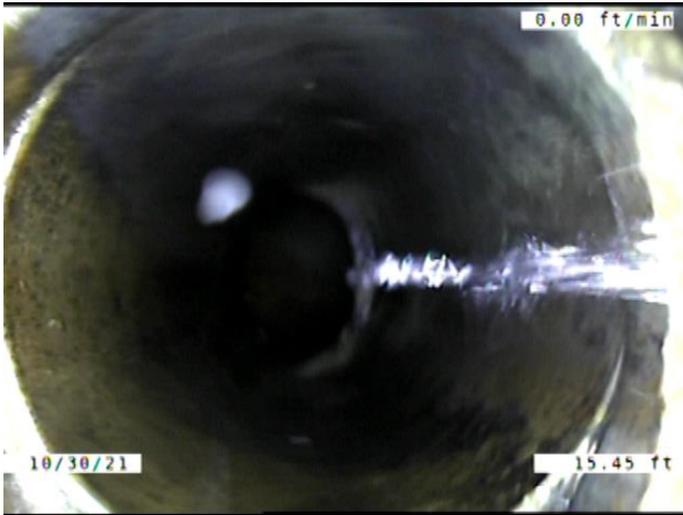
Code: **FM**  
 Description: **Fracture Multiple**

Distance (ft): **14.1**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **10**  
 Clock To: **2**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

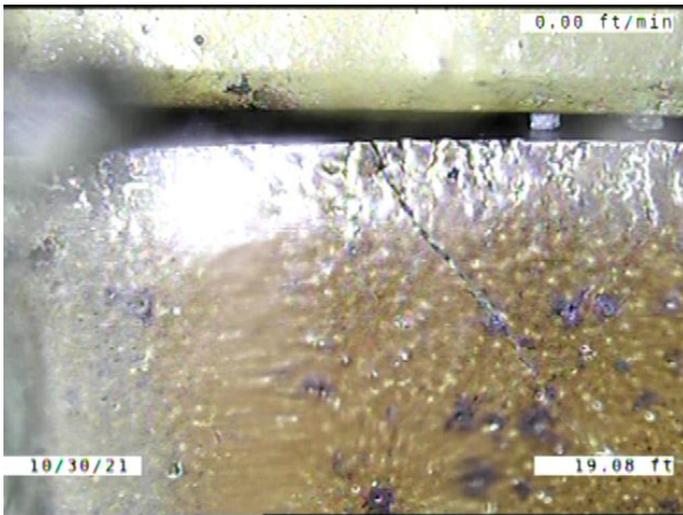
Distance (ft): **14.1**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From: **12**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:



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

Distance (ft): **15.4**  
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.  
OFFSET JOINT**

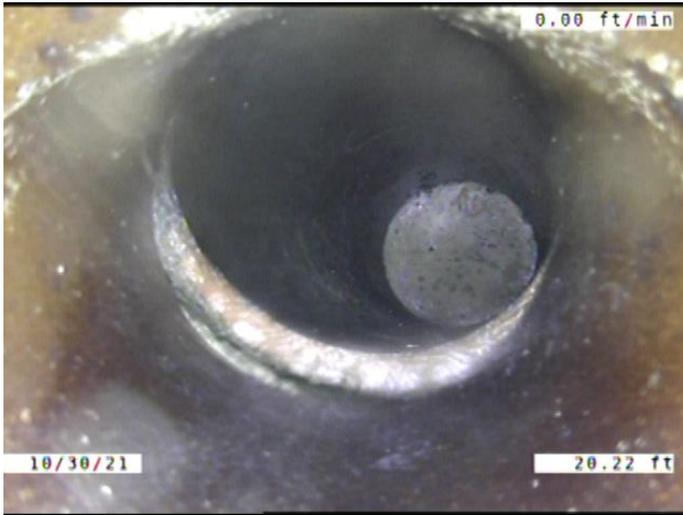
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Code: **CM**  
Description: **Crack Multiple**

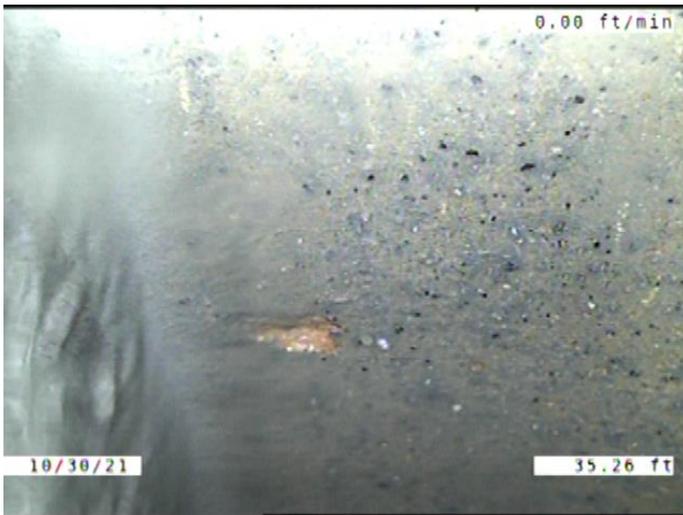
Distance (ft): **19.1**  
Structural Grade: **3**  
O&M Grade: **0**  
Clock Start/From: **9**  
Clock To: **11**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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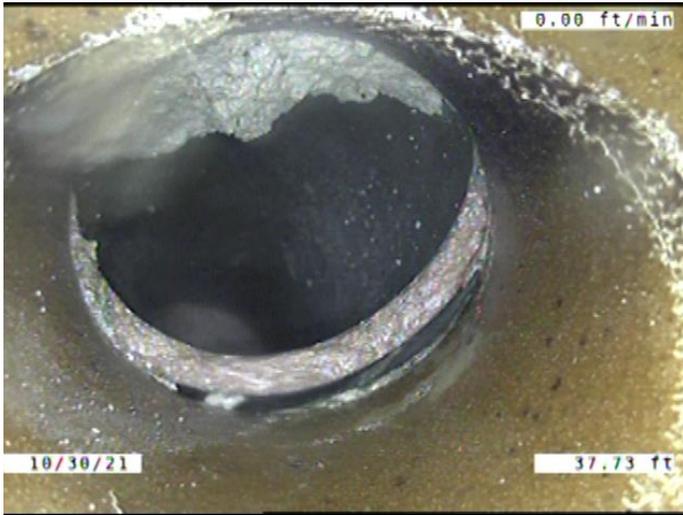
Code: **TFD**  
Description: **Tap Factory Defective**

Distance (ft): **20.2**  
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: **CAPPED. OFFSET JIONT**



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

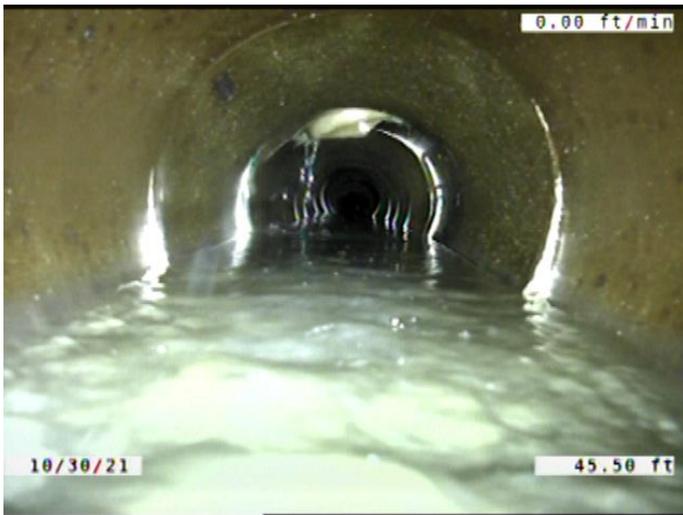
Distance (ft): **35.3**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From: **7**  
Clock To: **8**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:



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

Distance (ft): **37.7**  
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: **OFFSET JOINT**

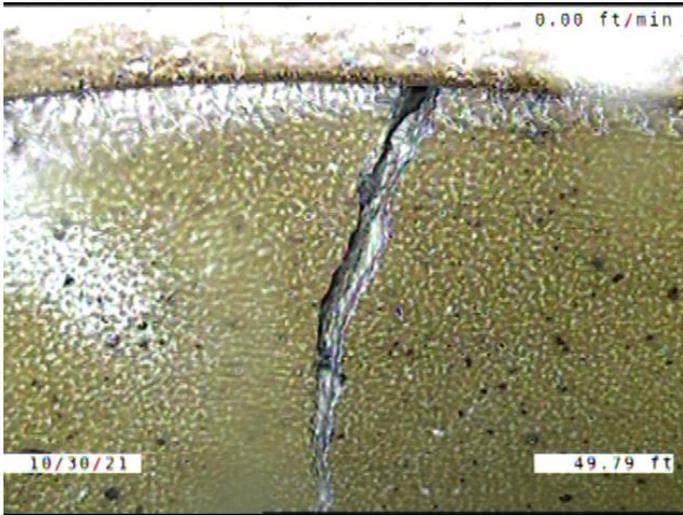
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Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

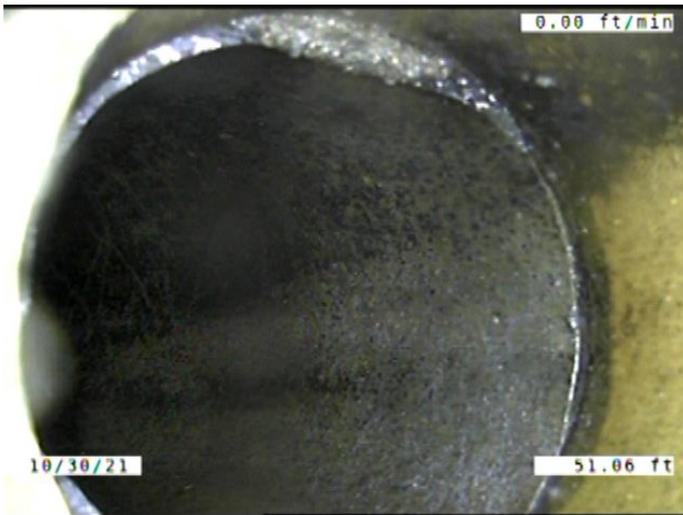
Distance (ft): **45.5**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **15.000**  
Continuous Index: **S01**  
Within 8" of Joint: **NO**  
Remarks:

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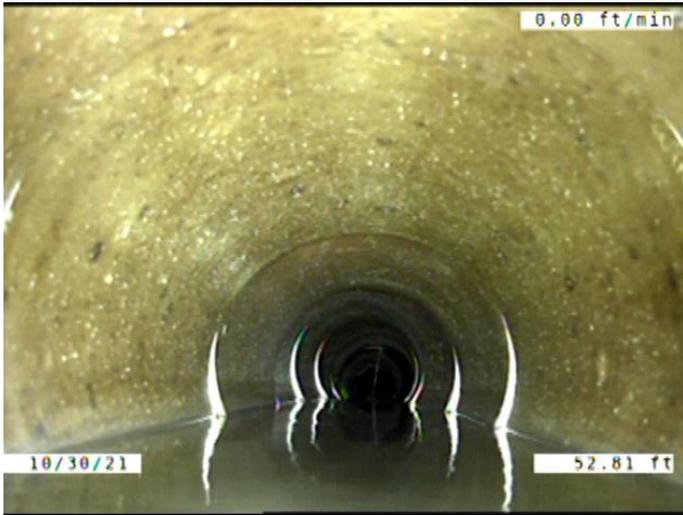
Code: **B**  
Description: **Broken**

Distance (ft): **49.8**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **8**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **S02**  
Within 8" of Joint: **YES**  
Remarks:



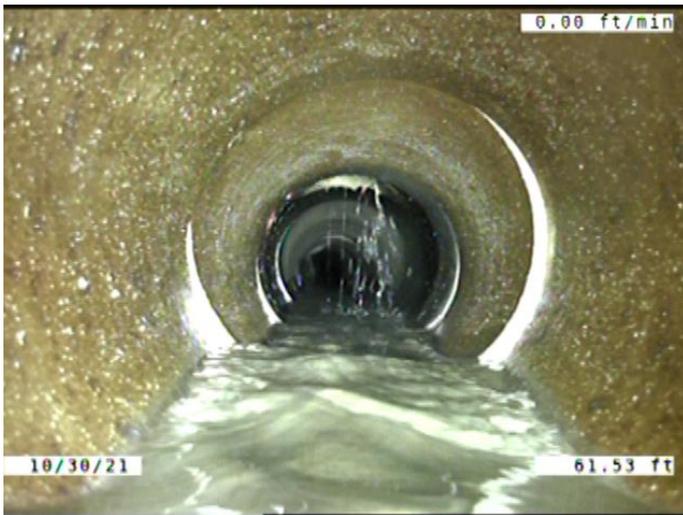
Code: **TBI**  
Description: **Tap Break-in Intruding**

Distance (ft): **51.1**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **11**  
Clock To:  
1st Value: **4.000**  
2nd Value: **2.000**  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks: **CONSTANTLY RUNNING WATER**



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

Distance (ft): **52.8**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **8**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **F02**  
Within 8" of Joint: **YES**  
Remarks:



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

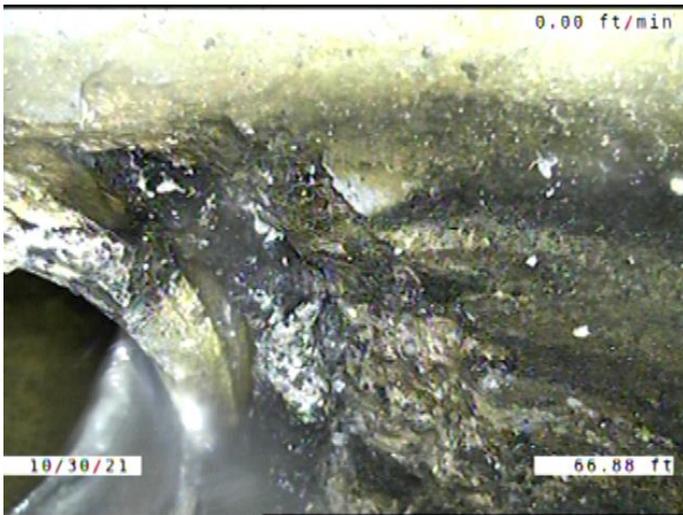
Distance (ft): **61.5**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **15.000**  
Continuous Index: **F01**  
Within 8" of Joint: **NO**  
Remarks:



Code: **OBN**  
Description: **Obstruction Construction Debris**

Distance (ft): **65.0**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **6**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks: **METAL ROD**

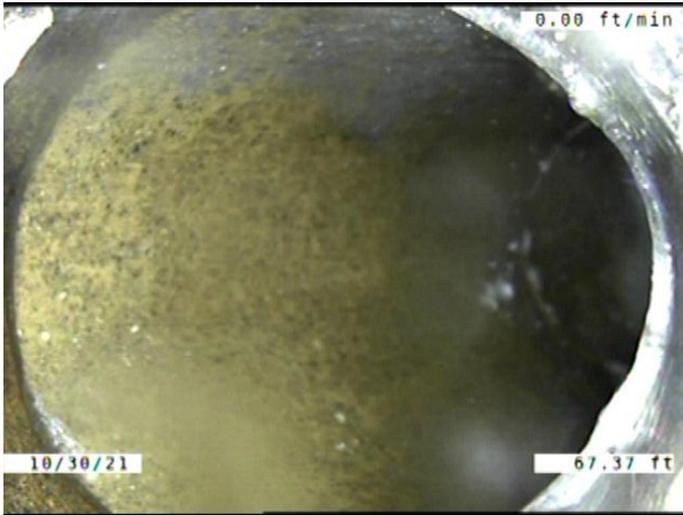
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Code: **SSS**  
Description: **Surface Damage Surface Spalling**

Distance (ft): **66.9**  
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: **NO**  
Remarks:

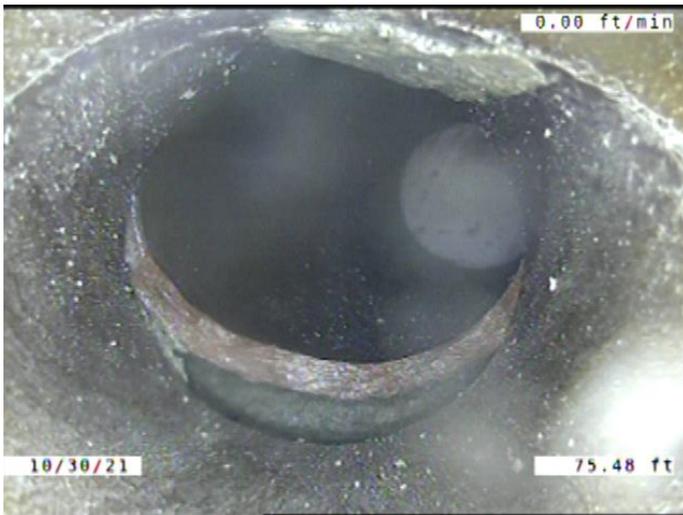
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Code: **TBD**  
Description: **Tap Break-in/Hammer Defective**

Distance (ft): **67.4**  
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**

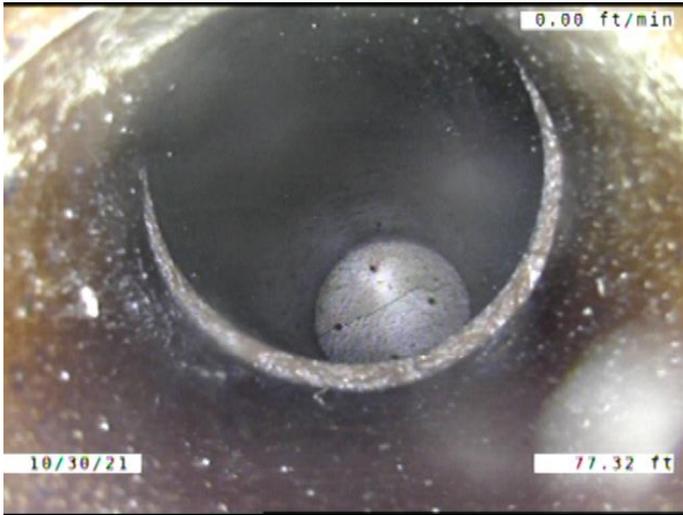
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Code: **TFD**  
Description: **Tap Factory Defective**

Distance (ft): **75.5**  
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: **CAPPED. LARGE OFFSET. SOIL VISIBLE.**

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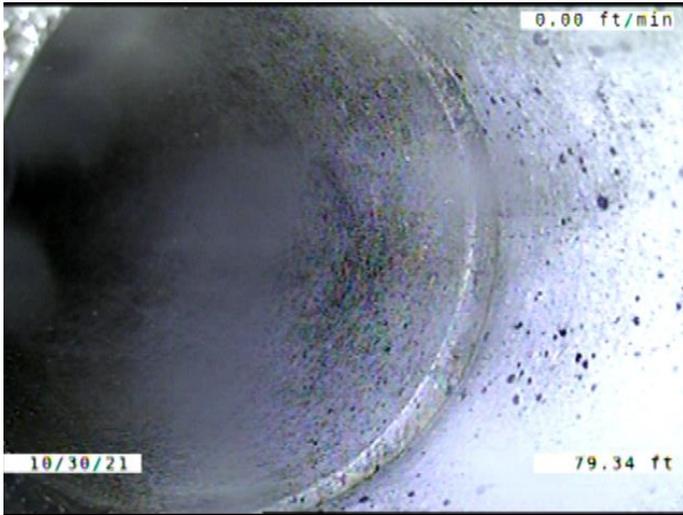
Code: **TFC**  
 Description: **Tap Factory Capped**

Distance (ft): **77.3**  
 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: **CAP CRACKED**



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

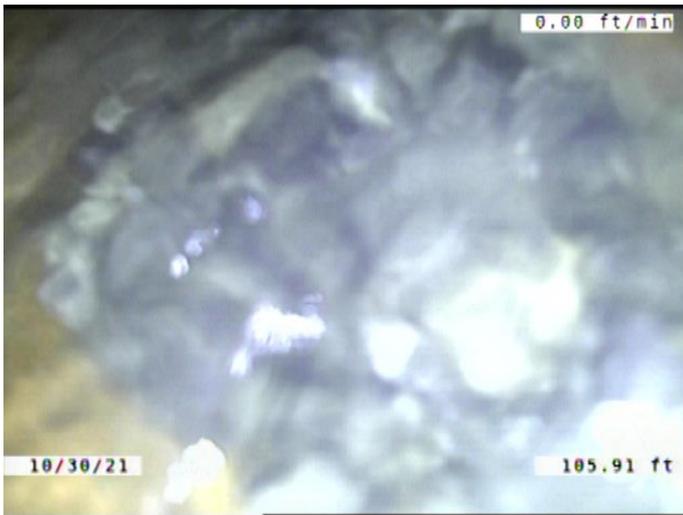
Distance (ft): **78.9**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From: **10**  
 Clock To: **12**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:



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

Distance (ft): **79.3**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **11**  
Clock To:  
1st Value: **4.000**  
2nd Value: **1.000**  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

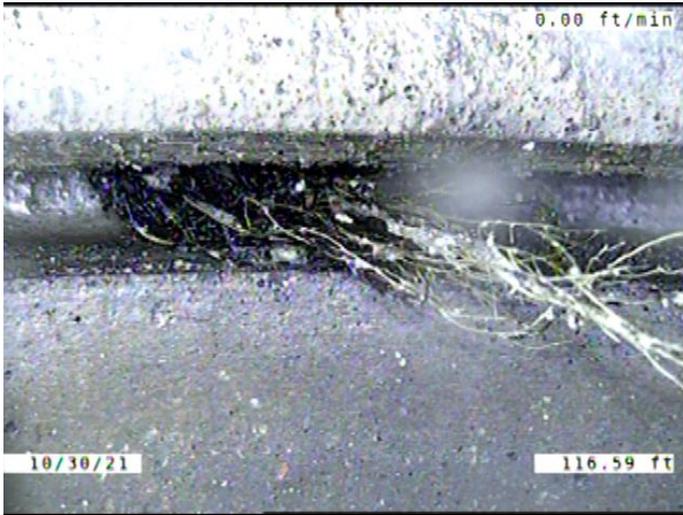
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Code: **OBN**  
Description: **Obstruction Construction Debris**

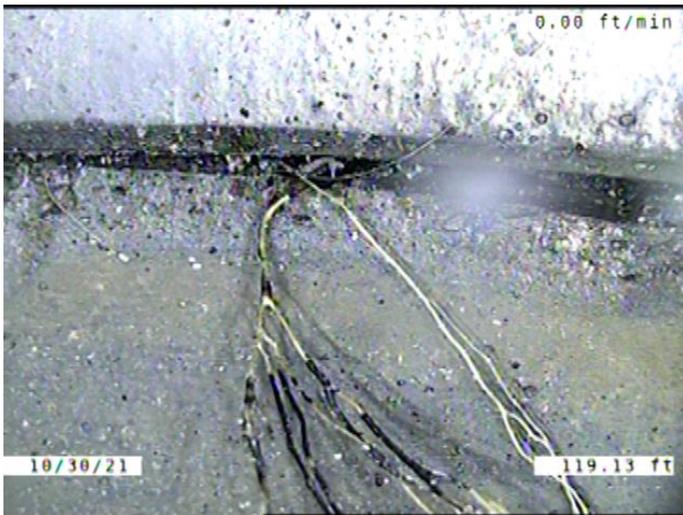
Distance (ft): **105.9**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **5**  
Clock To: **7**  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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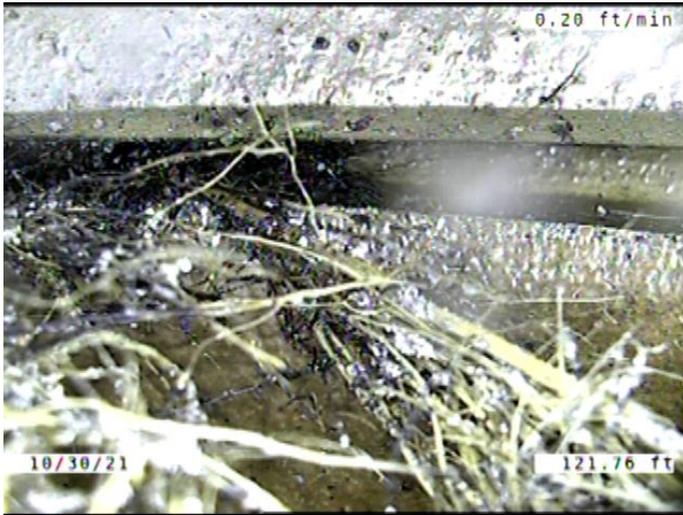
Code: **RFJ**  
Description: **Roots Fine Joint**

Distance (ft): **116.6**  
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:



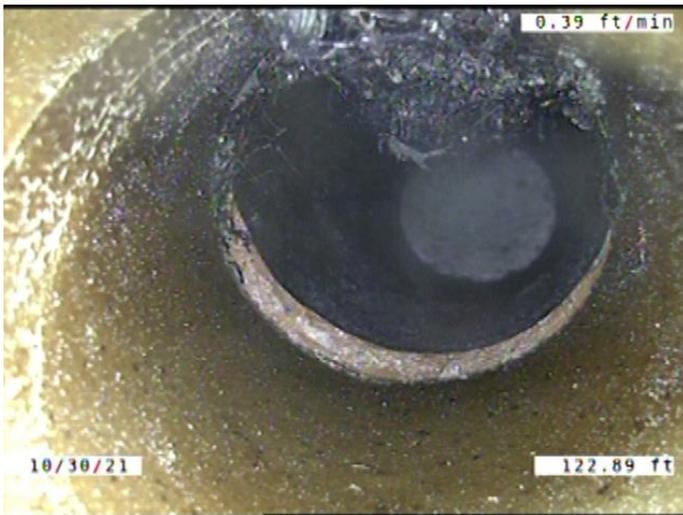
Code: **RFJ**  
Description: **Roots Fine Joint**

Distance (ft): **119.1**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **2**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:



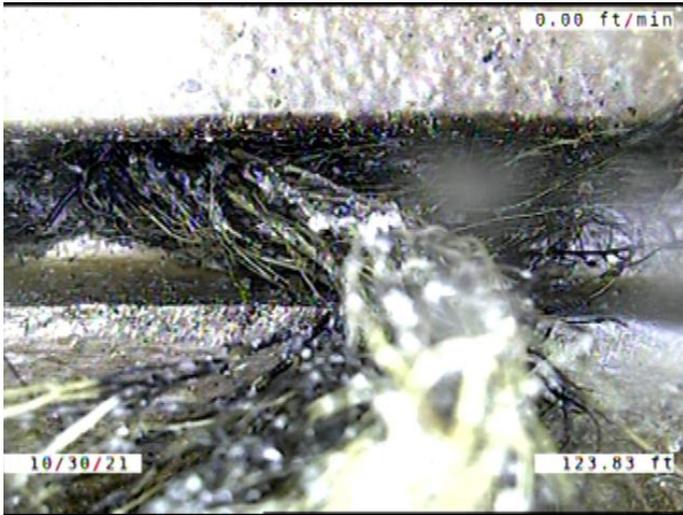
Code: **RMJ**  
Description: **Roots Medium Joint**

Distance (ft): **121.8**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **12**  
Clock To: **2**  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:



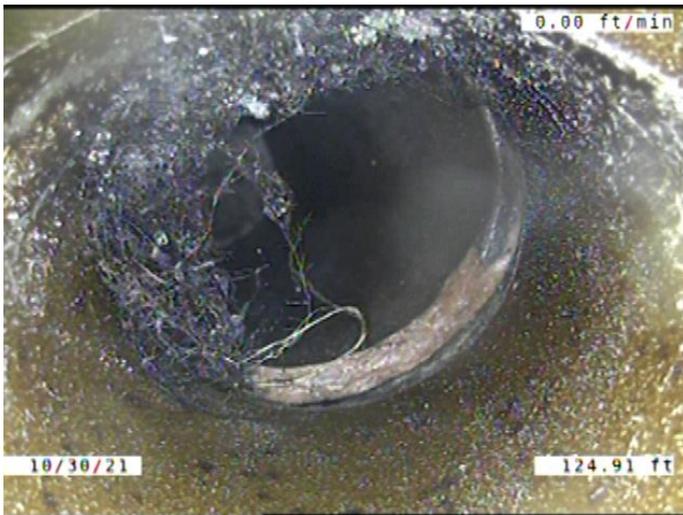
Code: **TFC**  
Description: **Tap Factory Capped**

Distance (ft): **122.9**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From: **12**  
Clock To:  
1st Value: **4.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks: **ROOTS GROWING DOWN THE TAP**



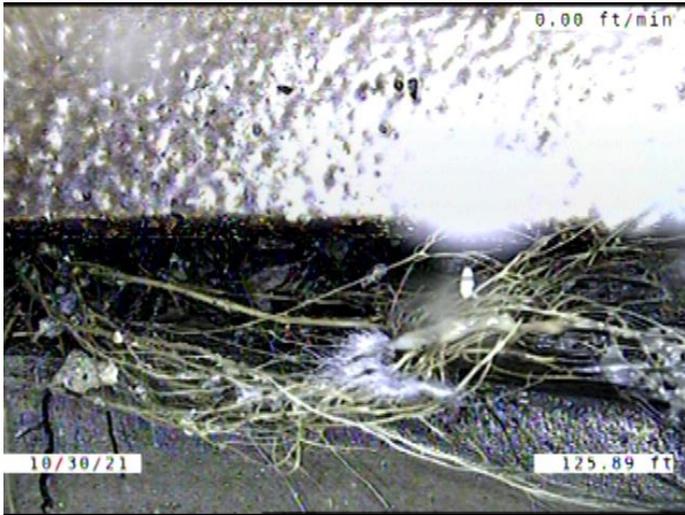
Code: **RMJ**  
 Description: **Roots Medium Joint**

Distance (ft): **123.8**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **8**  
 Clock To: **11**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



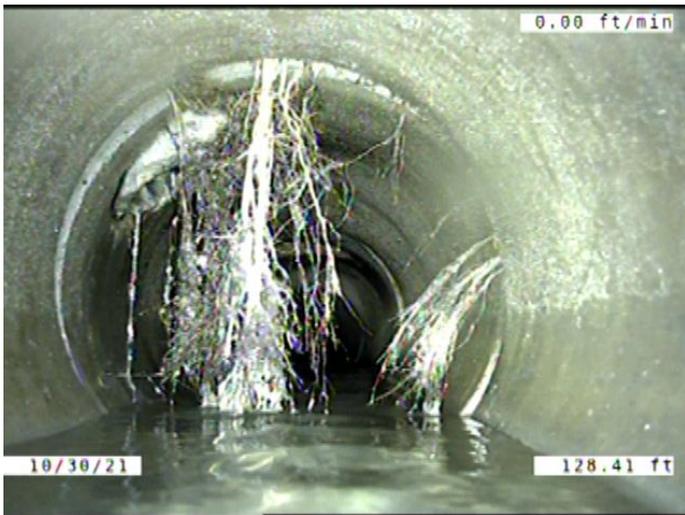
Code: **TFD**  
 Description: **Tap Factory Defective**

Distance (ft): **124.9**  
 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: **ROOTS GROWING DOWN THE TAP. OFFSET JOINT. SOIL VISIBLE**



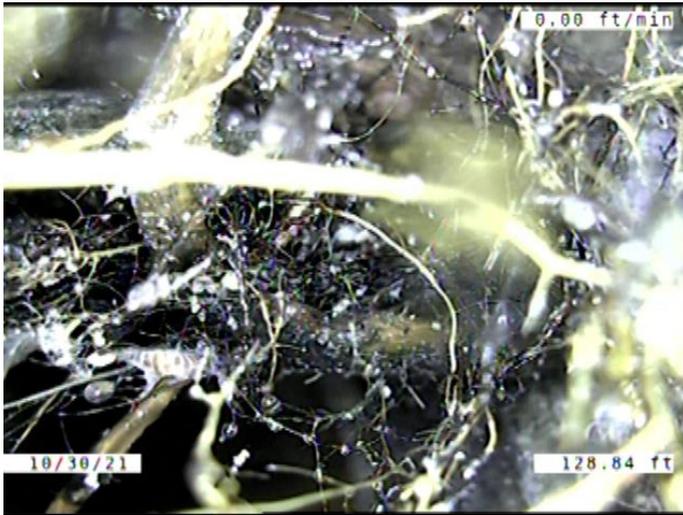
Code: **RFJ**  
Description: **Roots Fine Joint**

Distance (ft): **125.9**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **2**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:



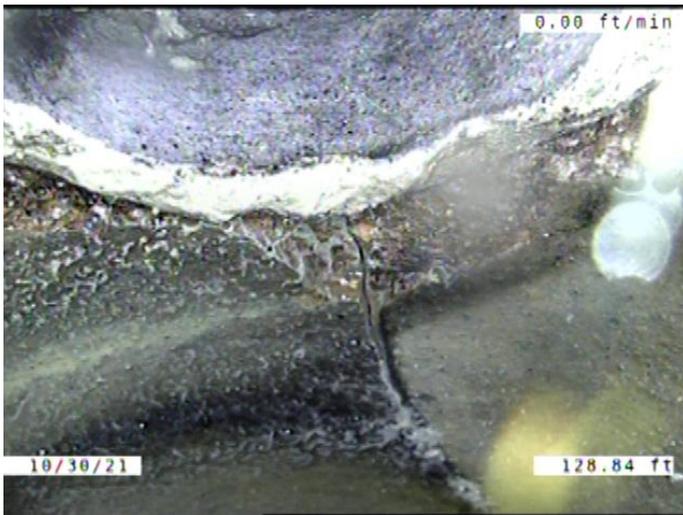
Code: **RMJ**  
Description: **Roots Medium Joint**

Distance (ft): **128.4**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **10**  
Clock To: **3**  
1st Value:  
2nd Value:  
Value Percent: **25.000**  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:



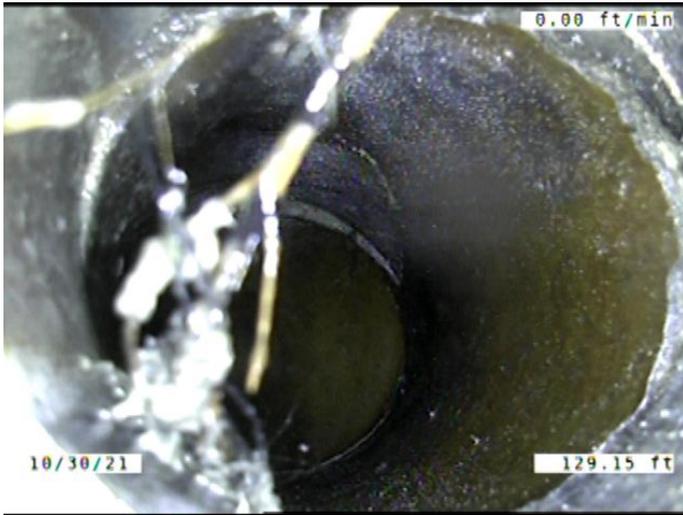
Code: **RMC**  
 Description: **Roots Medium Connection**

Distance (ft): **128.8**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **10**  
 Clock To: **12**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:



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

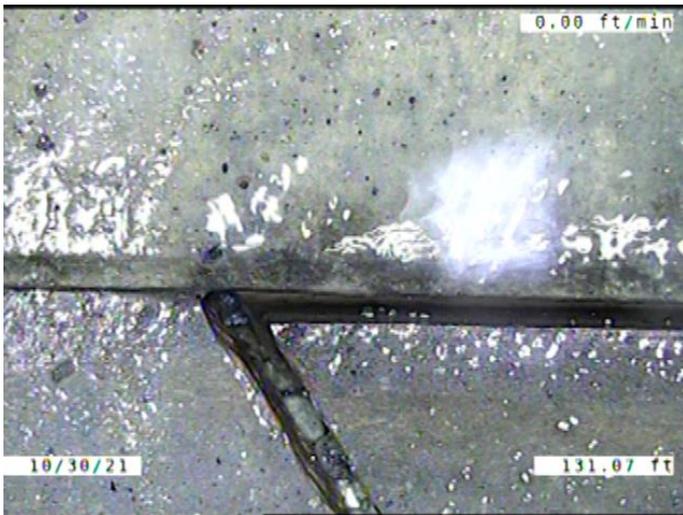
Distance (ft): **128.8**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **10**  
 Clock To: **5**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **129.1**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **11**  
 Clock To:  
 1st Value: **4.000**  
 2nd Value: **1.000**

Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks: **CONSTANTLY RUNNING WATER.  
 ROOTS GROWING AROUND THE TAP**



Code: **IRJ**  
 Description: **Infiltration Runner Joint**

Distance (ft): **131.1**  
 Structural Grade: **0**  
 O&M Grade: **4**  
 Clock Start/From: **1**  
 Clock To: **4**

1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks: **ALSO RUNNING OUT OF THE  
 BARRELL**



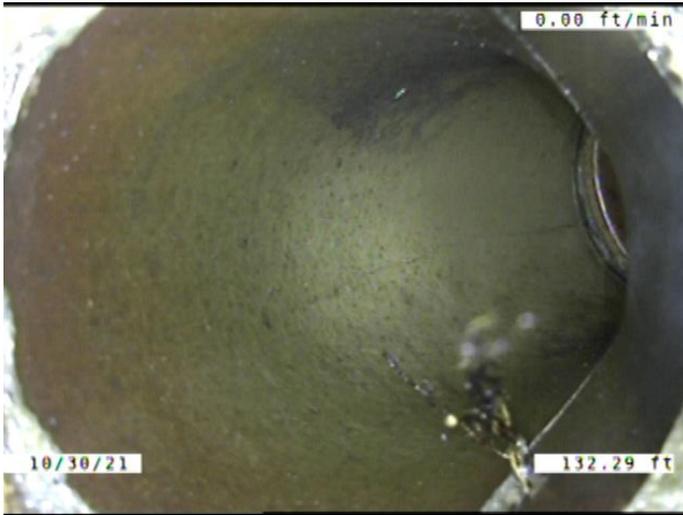
Code: **IRB**  
 Description: **Infiltration Runner Barrel**

Distance (ft): **131.1**  
 Structural Grade: **0**  
 O&M Grade: **4**  
 Clock Start/From: **10**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:



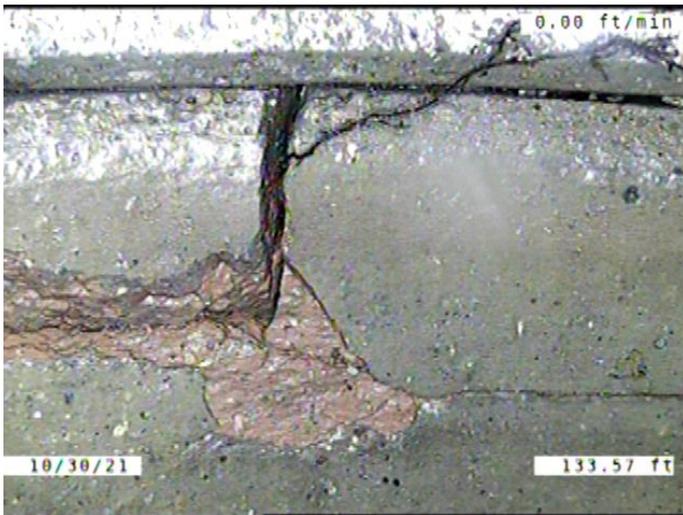
Code: **B**  
 Description: **Broken**

Distance (ft): **131.1**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **12**  
 Clock To: **12**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index: **S03**  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **132.3**  
 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. BROKEN. ROOTS GROWING IN IT**



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

Distance (ft): **133.6**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **11**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:



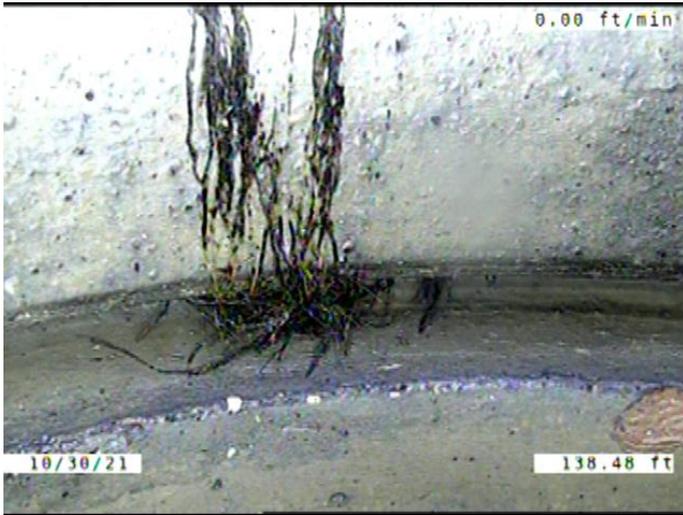
Code: **B**  
 Description: **Broken**

Distance (ft): **134.4**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **12**  
 Clock To: **12**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index: **F03**  
 Within 8" of Joint: **YES**  
 Remarks:



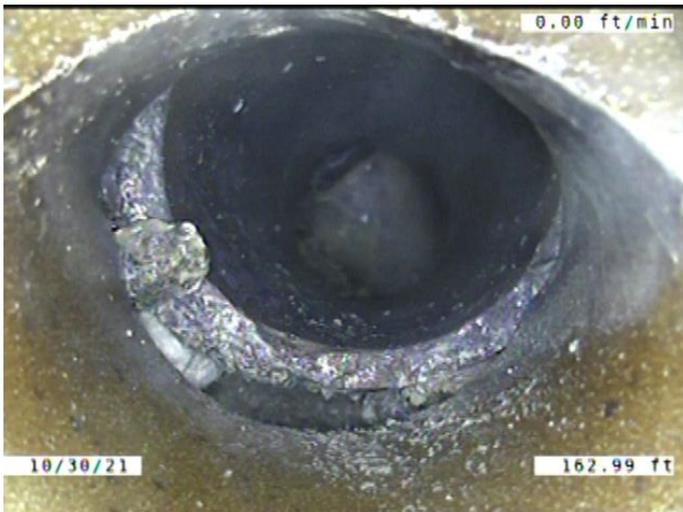
Code: **DSF**  
 Description: **Deposits Settled Fine**

Distance (ft): **135.2**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **5**  
 Clock To: **7**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index: **S04**  
 Within 8" of Joint: **YES**  
 Remarks:



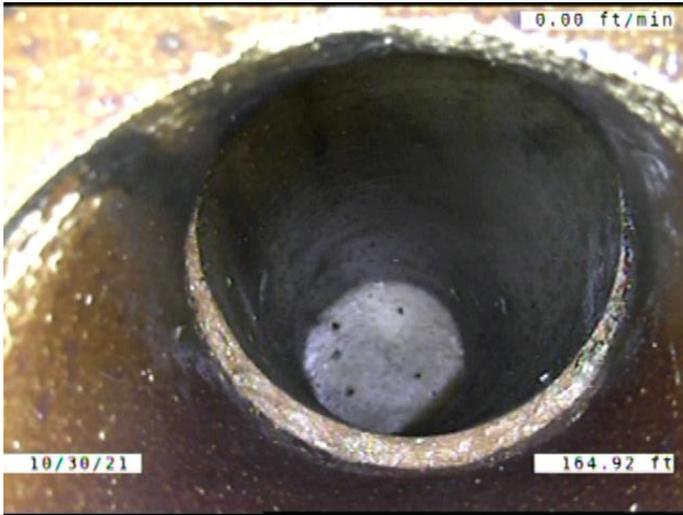
Code: **RFJ**  
Description: **Roots Fine Joint**

Distance (ft): **138.5**  
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**

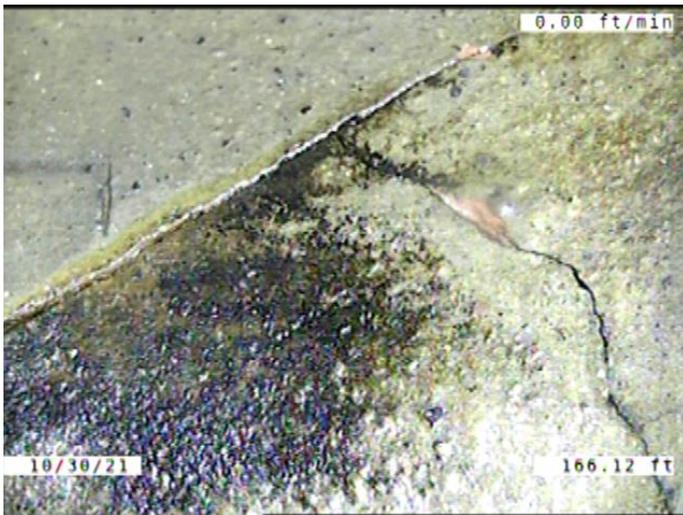
Distance (ft): **163.0**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **1**  
Clock To:  
1st Value: **4.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks: **LARGE OFFSET. SOIL VISIBLE. LOOKS TO BE CAPPED**



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

Distance (ft): **164.9**  
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:

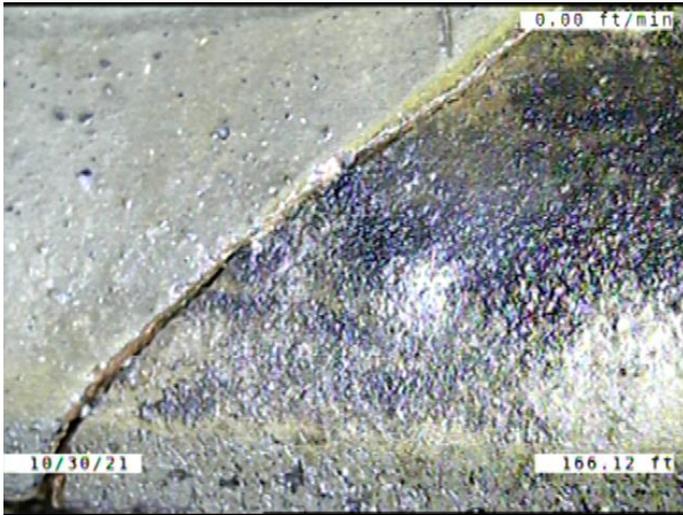
---



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

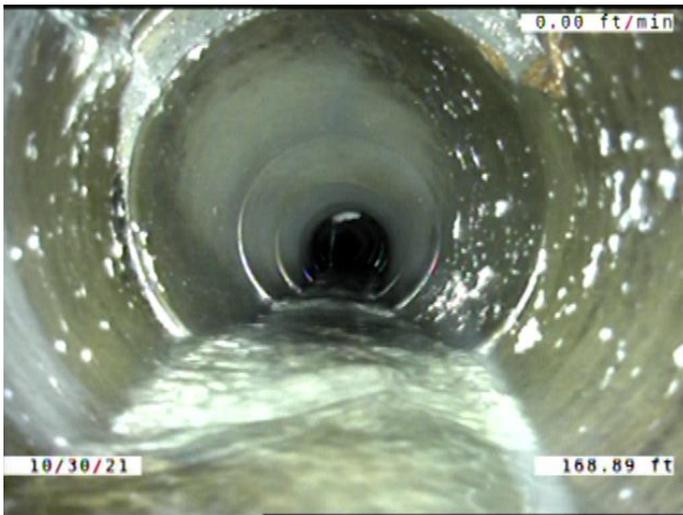
Distance (ft): **166.1**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **5**  
Clock To: **10**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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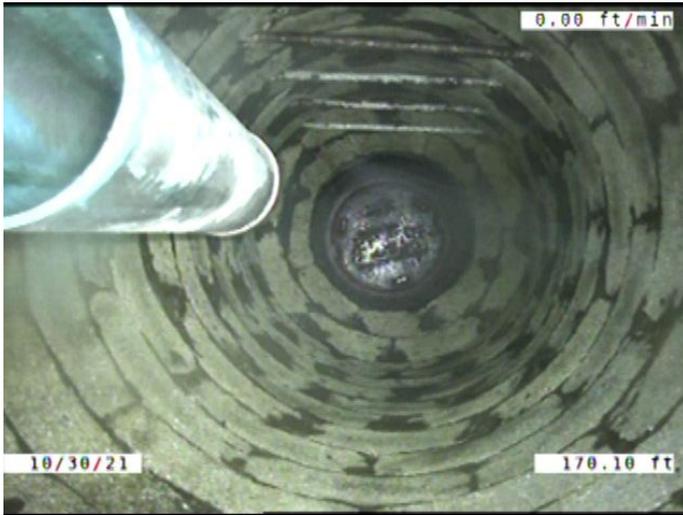
Code: **ISB**  
Description: **Infiltration Stain Barrel**

Distance (ft): **166.1**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **8**  
Clock To: **9**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:



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

Distance (ft): **168.9**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **5**  
Clock To: **7**  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index: **F04**  
Within 8" of Joint: **YES**  
Remarks:



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

Distance (ft): **170.1**  
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-504-046**