

## Profile/Photo Observation Report

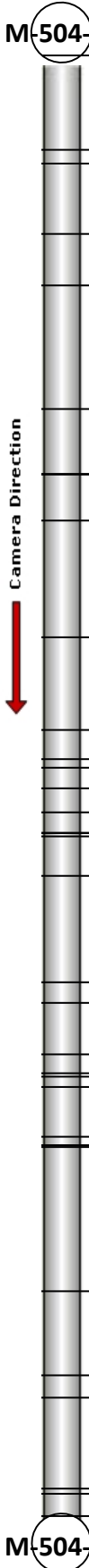


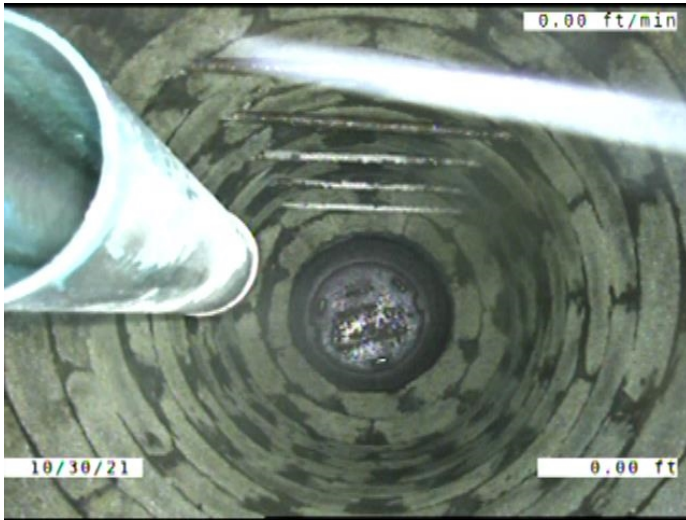
Date:	<b>10/30/2021</b>	Weather:		Coding:	<b>PACP 7.0</b>
Pipe Length (ft):	<b>177.7</b>	Owner:	<b>City of Hobart</b>	Pre Clean:	<b>Heavy Cleaning</b>
P.O.#:	<b>YES502259</b>	Surveyor:	<b>S. Bucklin</b>	PSR:	<b>P-504-045-033</b>
Customer:	<b>City of Hobart</b>	Clean Date:	<b>10/26/2021</b>	Shape:	<b>C</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-504-033</b>	DS MH:	<b>M-504-045</b>
		Total Length Surveyed (ft):	<b>177.7</b>

O&M Index:	<b>1.97</b>	O&M Quick:	<b>362B</b>	O&M Rating:	<b>57.00</b>
Structural Index:	<b>3.30</b>	Structural Quick:	<b>5242</b>	Structural Rating:	<b>33.00</b>
Overall Index:	<b>2.31</b>	Overall Quick:	<b>5242</b>	Overall Rating:	<b>90.00</b>

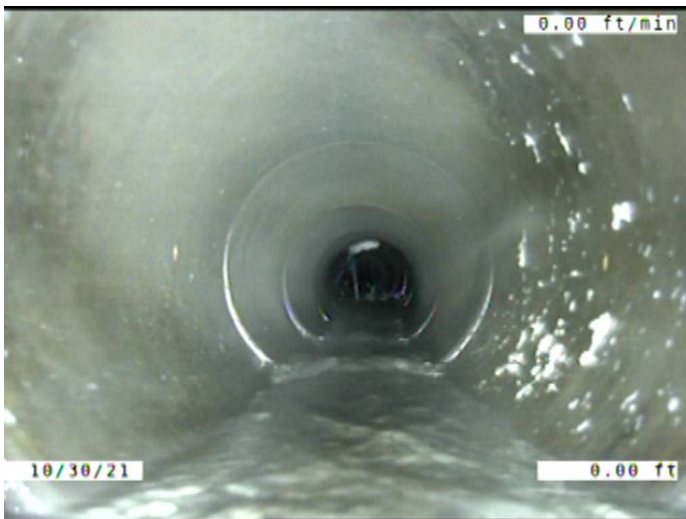
	Position	Code	Observation	Video (sec)	Grade
					
	.0	AMH	Manhole	1	NA
	.0	MWL	Miscellaneous Water Level	55	NA
	11.5	FM	Fracture Multiple	145	S 4
	13.2	TBI	Tap Break-in Intruding	187	M 2
	21.7	DAE	Deposits Attached Encrustation	267	M 2
	27.9	TFC	Tap Factory Capped	318	NA
	43.0	TFC	Tap Factory Capped	404	NA
	51.0	SMW	Surface Damage Missing Wall	516	S 5
	51.0	BVV	Broken Void Visible	536	S 5
	51.0	TBD	Tap Break-in/Hammer Defective	555	M 3
	56.5	MWL	Miscellaneous Water Level	629	NA
	70.8	TFD	Tap Factory Defective	762	M 3
	82.1	SSS	Surface Damage Surface Spalling	831	S 2
	85.6	TFD	Tap Factory Defective	888	M 3
	86.6	RFJ	Roots Fine Joint	918	M 1
	89.1	RFJ	Roots Fine Joint	965	M 1
	92.1	RFJ	Roots Fine Joint	1028	M 1
	94.5	B	Broken	1106	S 4
	94.6	RFC	Roots Fine Connection	1119	M 1
	95.1	TBI	Tap Break-in Intruding	1138	M 2
	99.8	RFJ	Roots Fine Joint	1193	M 1
	112.7	RFJ	Roots Fine Joint	1260	M 1
	115.3	RFJ	Roots Fine Joint	1303	M 1
	121.5	TFD	Tap Factory Defective	1352	M 3
	123.9	SSS	Surface Damage Surface Spalling	1412	S 2
	124.3	TBI	Tap Break-in Intruding	1448	M 2
	125.5	OBN(S01)	Obstruction Construction Debris	1491	M 2
	131.5	TFD	Tap Factory Defective	1548	M 3
	132.6	FL	Fracture Longitudinal	1581	S 3
	132.6	SSS	Surface Damage Surface Spalling	1597	S 2
	132.9	TBD	Tap Break-in/Hammer Defective	1626	M 3
	150.4	CM	Crack Multiple	1744	S 3
	160.6	OBJ	Obstruction Wedged In The Joint	1838	M 2
	163.3	IWJ	Infiltration Weeper Joint	1908	M 2
	174.4	OBN(F01)	Obstruction Construction Debris	1991	M 2
	175.0	CM	Crack Multiple	2048	S 3
	177.7	AMH	Manhole	2094	NA
M-504-045					



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-504-033**

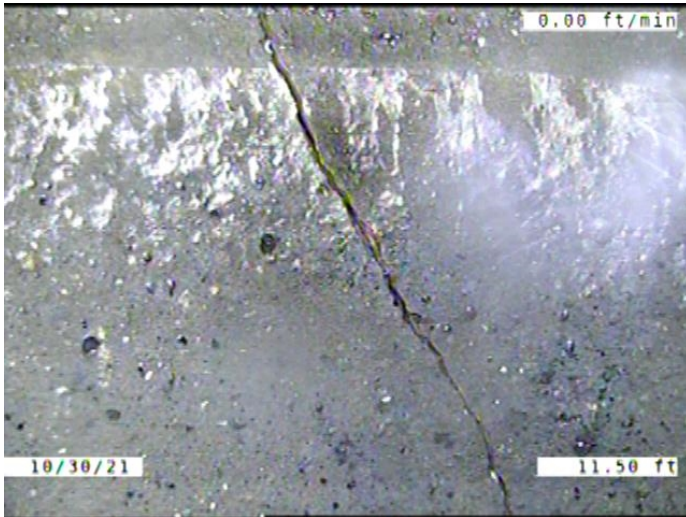
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Code: **MWL**  
 Description: **Miscellaneous Water Level**

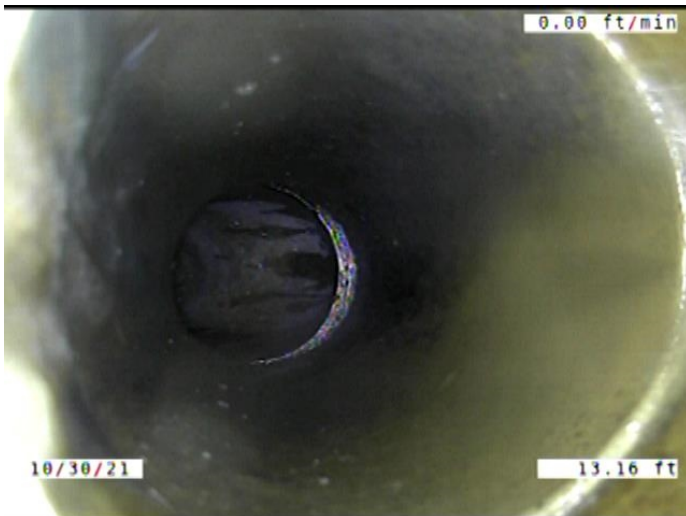
Distance (ft): **.0**  
 Structural Grade: **0**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:

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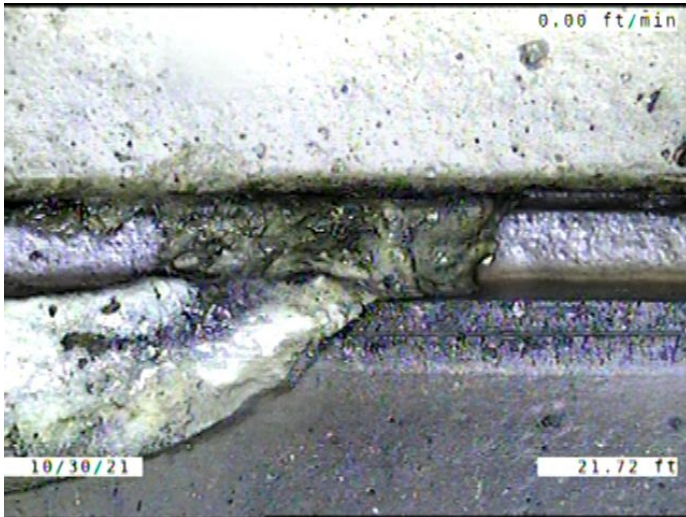
Code: **FM**  
 Description: **Fracture Multiple**

Distance (ft): **11.5**  
 Structural Grade: **4**  
 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:



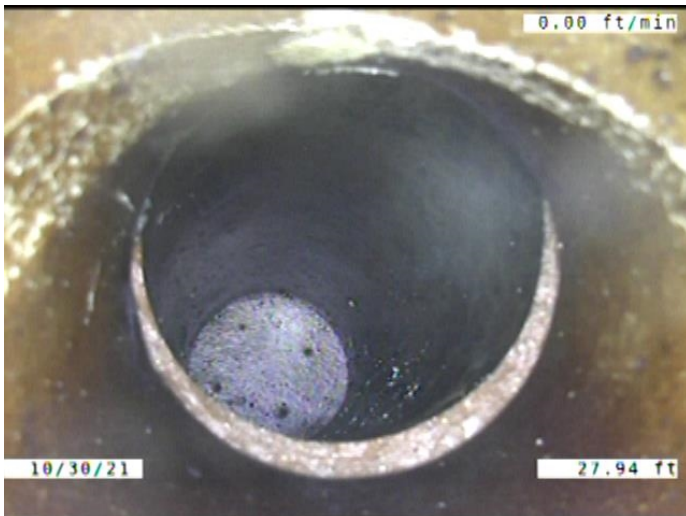
Code: **TBI**  
 Description: **Tap Break-in Intruding**

Distance (ft): **13.2**  
 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**



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

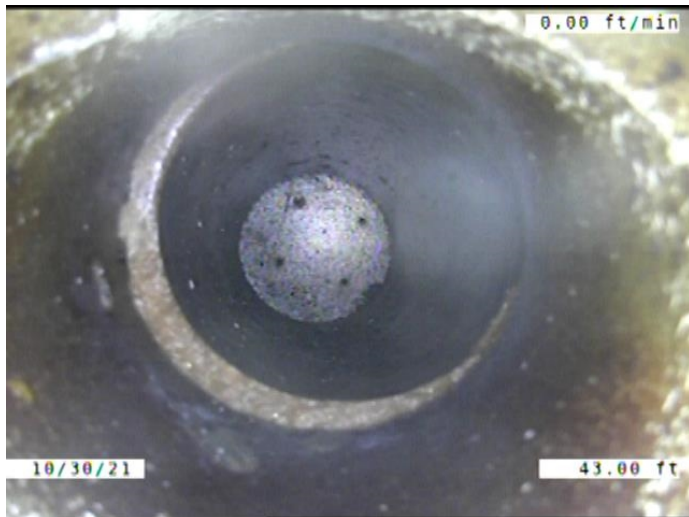
Distance (ft): **21.7**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **8**  
 Clock To: **11**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

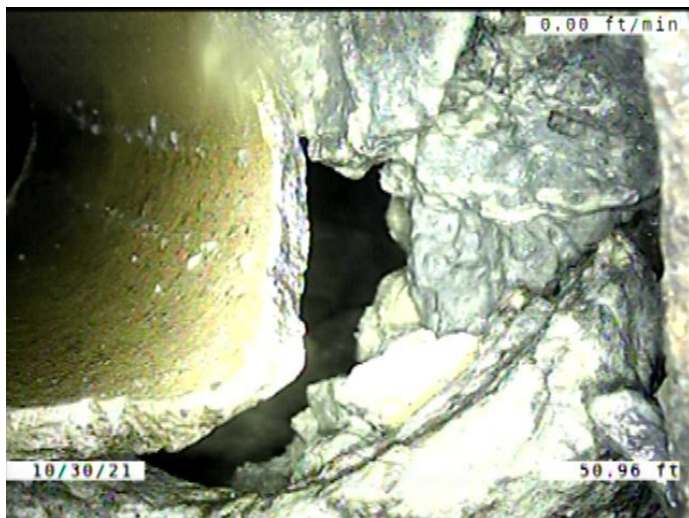
Distance (ft): **27.9**  
 Structural Grade: **0**  
 O&M Grade: **0**  
 Clock Start/From: **11**  
 Clock To:  
 1st Value: **4.000**  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:





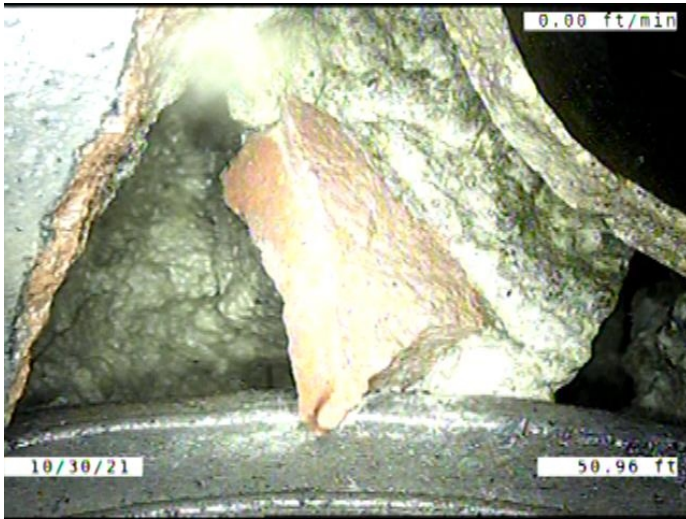
Code: **TFC**  
 Description: **Tap Factory Capped**

Distance (ft): **43.0**  
 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:



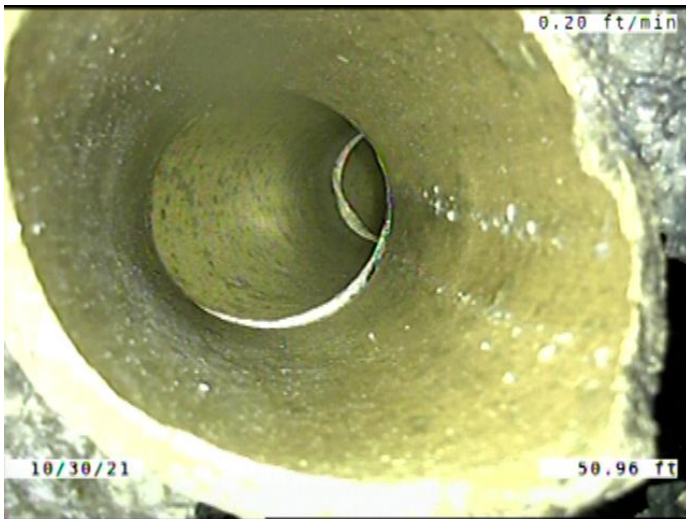
Code: **SMW**  
 Description: **Surface Damage Missing Wall**

Distance (ft): **51.0**  
 Structural Grade: **5**  
 O&M Grade: **0**  
 Clock Start/From: **11**  
 Clock To: **2**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **51.0**  
 Structural Grade: **5**  
 O&M Grade: **0**  
 Clock Start/From: **11**  
 Clock To: **2**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks: **SOIL VISIBLE TOO.**



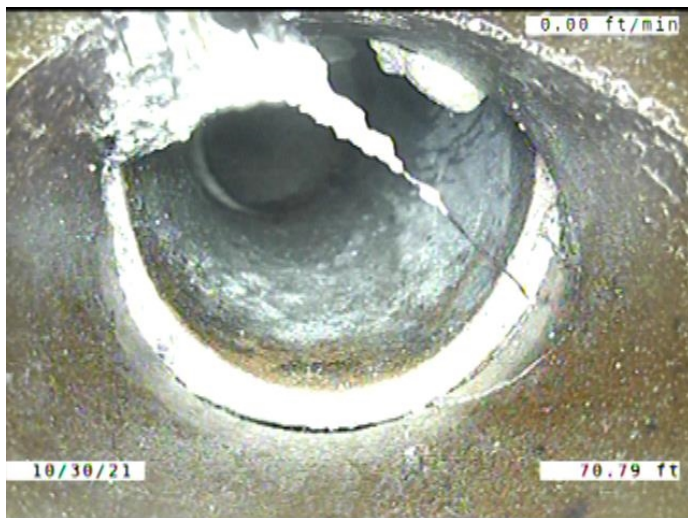
Code: **TBD**  
 Description: **Tap Break-in/Hammer Defective**

Distance (ft): **51.0**  
 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: **Defective**



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

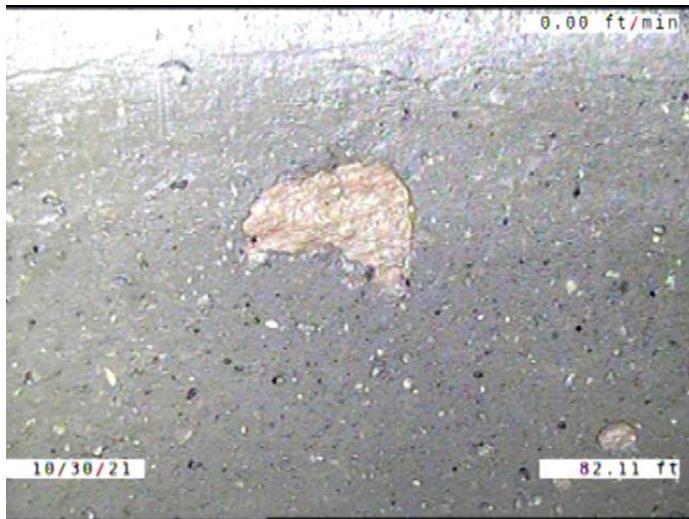
Distance (ft): **56.5**  
 Structural Grade: **0**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **15.000**  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:



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

Distance (ft): **70.8**  
 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. ROOTS GROWING IN IT. CONSTANTLY DRIPPING WATER**

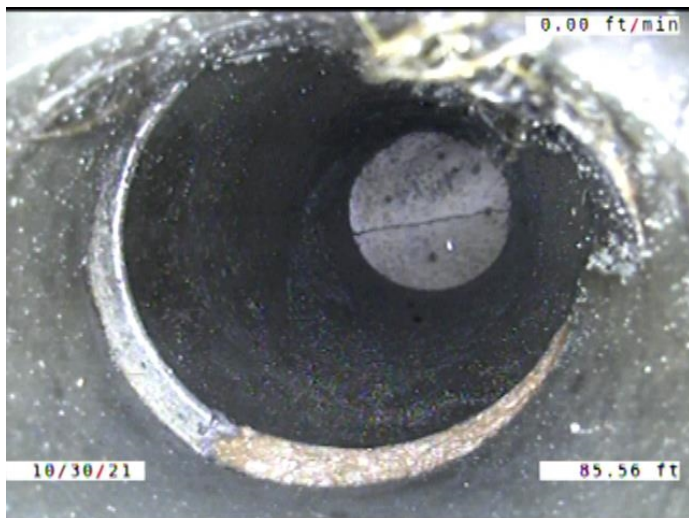




Code: **SSS**  
Description: **Surface Damage Surface Spalling**

Distance (ft): **82.1**  
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:

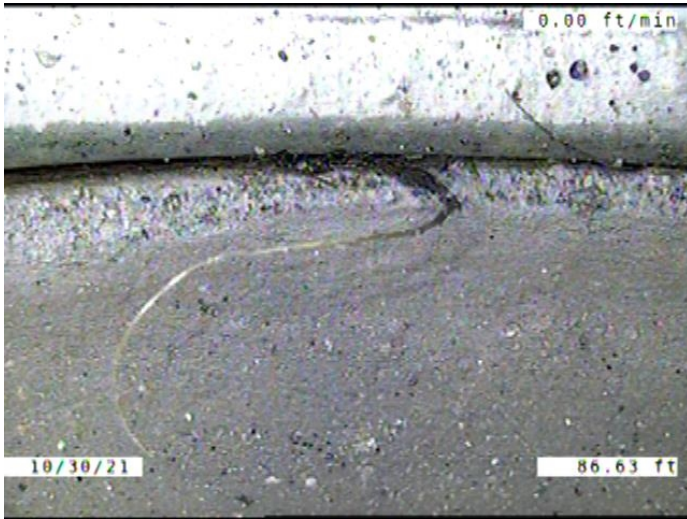
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Code: **TFD**  
Description: **Tap Factory Defective**

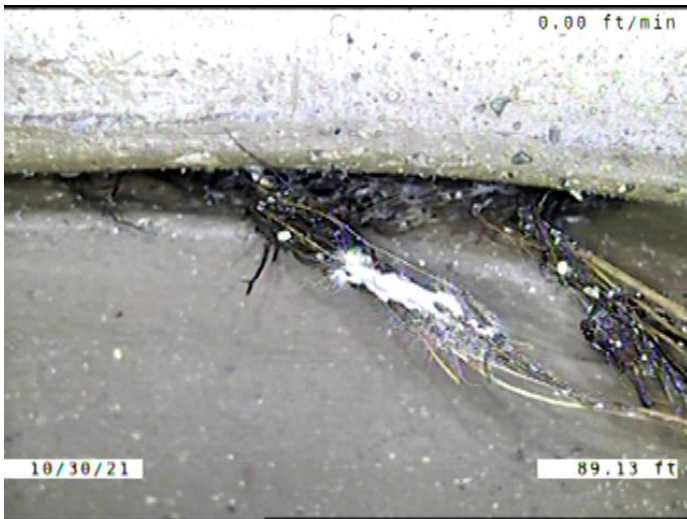
Distance (ft): **85.6**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **12**  
Clock To:  
1st Value: **4.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks: **CAP BROKEN. ROOTS GROWING IN IT. TAP BROKEN**

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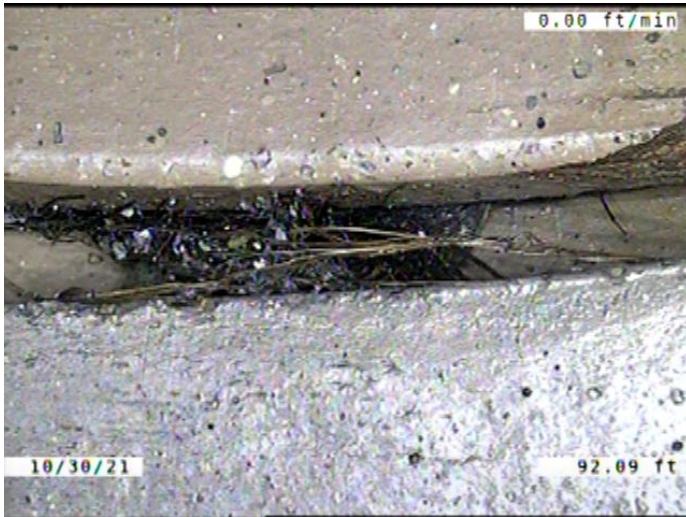
Code: **RFJ**  
 Description: **Roots Fine Joint**

Distance (ft): **86.6**  
 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:



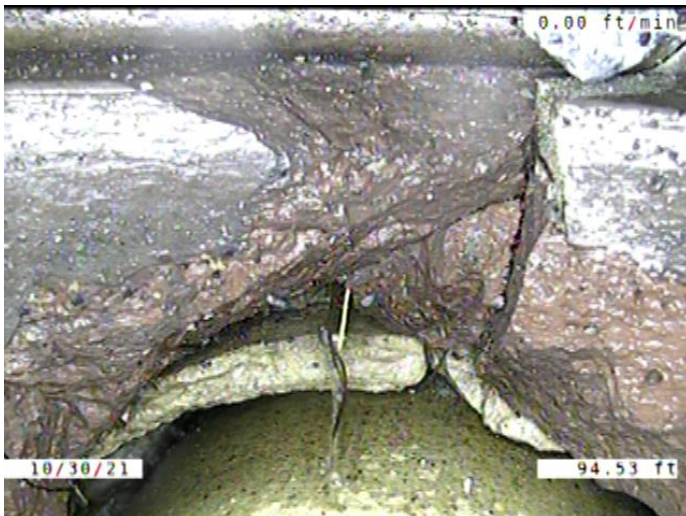
Code: **RFJ**  
 Description: **Roots Fine Joint**

Distance (ft): **89.1**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From: **1**  
 Clock To: **2**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

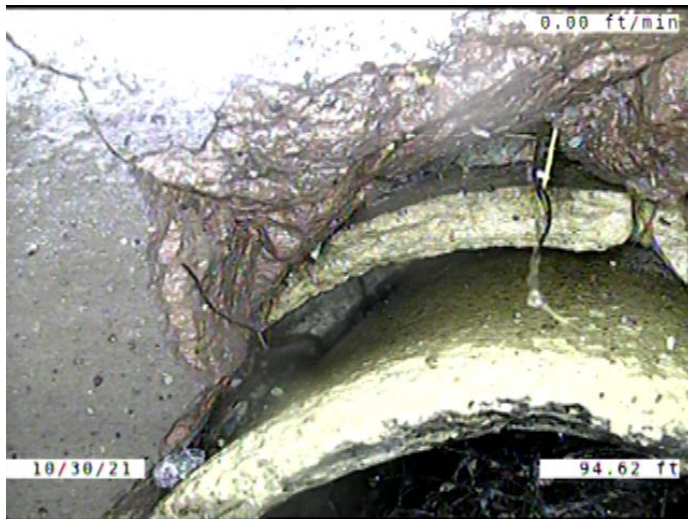
Distance (ft): **92.1**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From: **9**  
 Clock To: **3**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

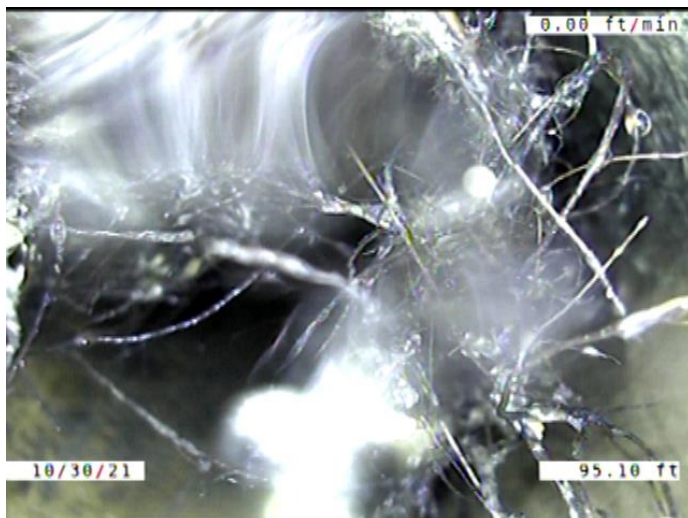
Distance (ft): **94.5**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **10**  
 Clock To: **1**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:





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

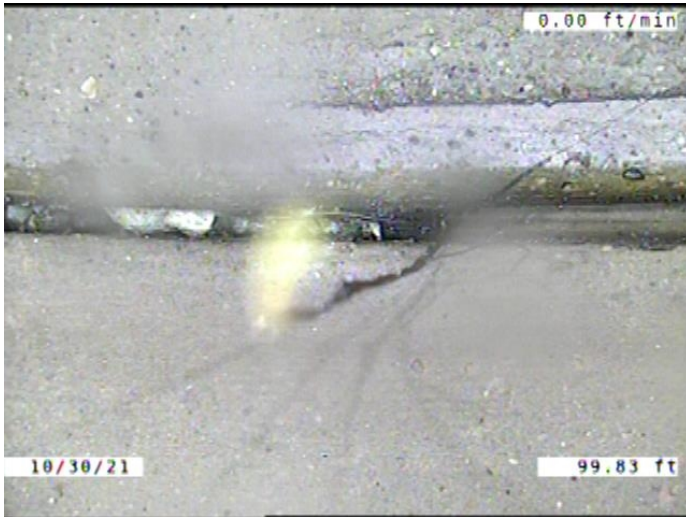
Distance (ft): **94.6**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From: **10**  
 Clock To: **1**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:



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

Distance (ft): **95.1**  
 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. ROOTS GROWING IN IT**

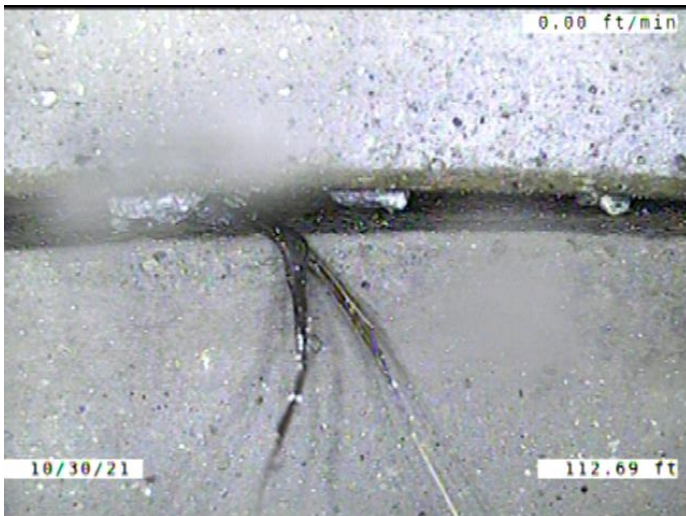




Code: **RFJ**  
 Description: **Roots Fine Joint**

Distance (ft): **99.8**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From: **10**  
 Clock To: **12**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:

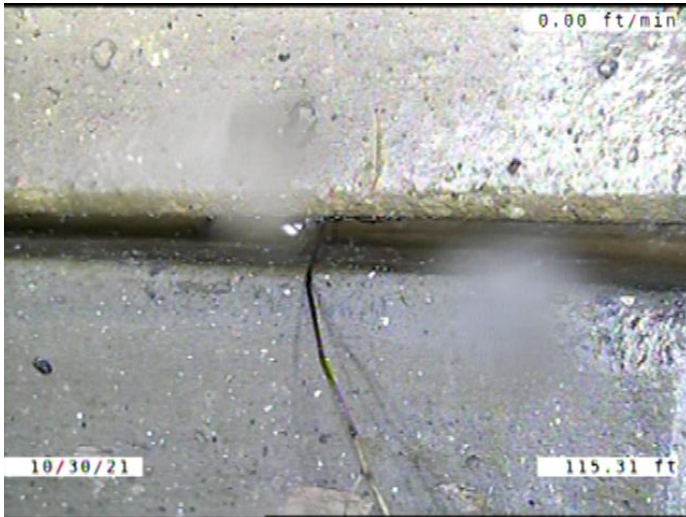
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Code: **RFJ**  
 Description: **Roots Fine Joint**

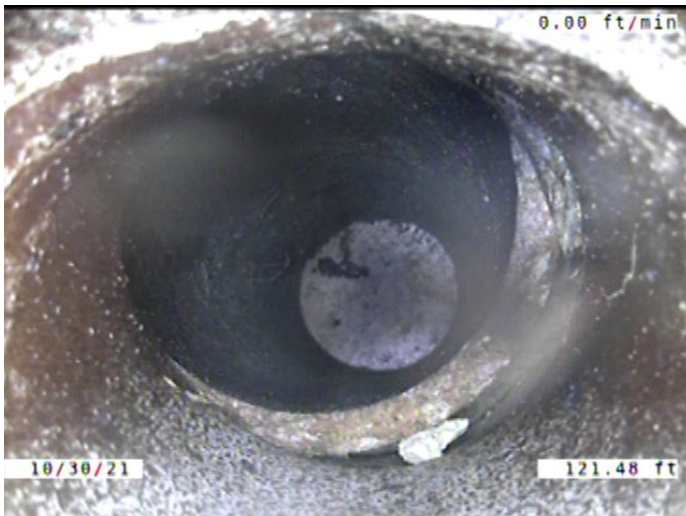
Distance (ft): **112.7**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From: **11**  
 Clock To: **12**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:

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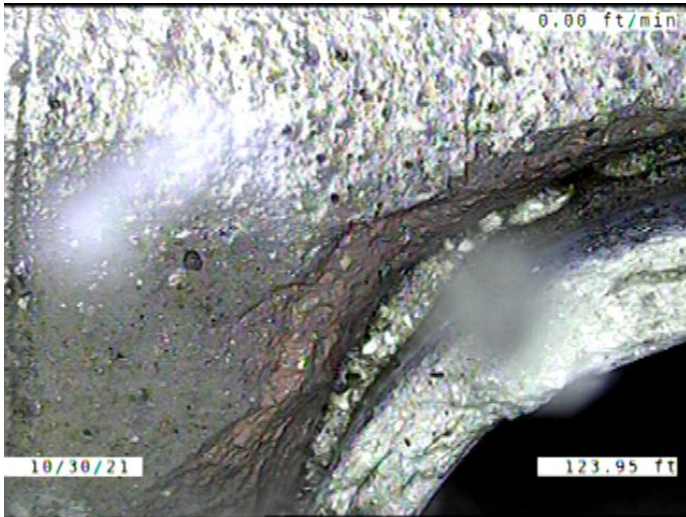
Code: **RFJ**  
 Description: **Roots Fine Joint**

Distance (ft): **115.3**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From: **1**  
 Clock To: **3**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

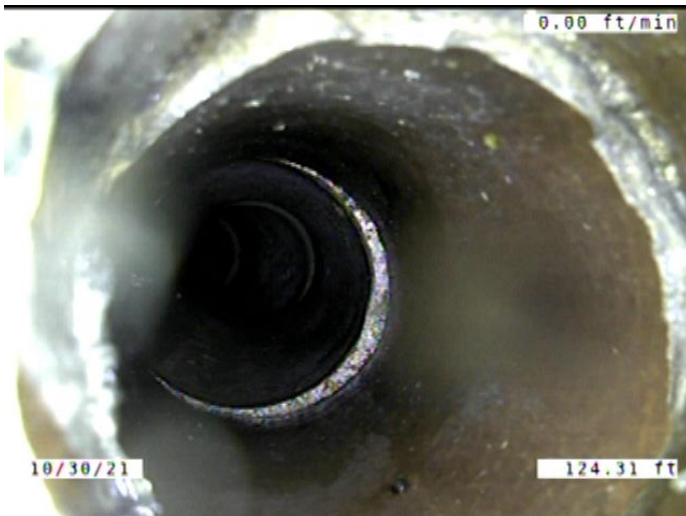
Distance (ft): **121.5**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **11**  
 Clock To:  
 1st Value: **4.000**  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks: **CAPPED. LARGE OFFSET. SOIL  
 VISIBLE. ROOTS GROWING IN IT.**



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

Distance (ft): **123.9**  
 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: **YES**  
 Remarks:

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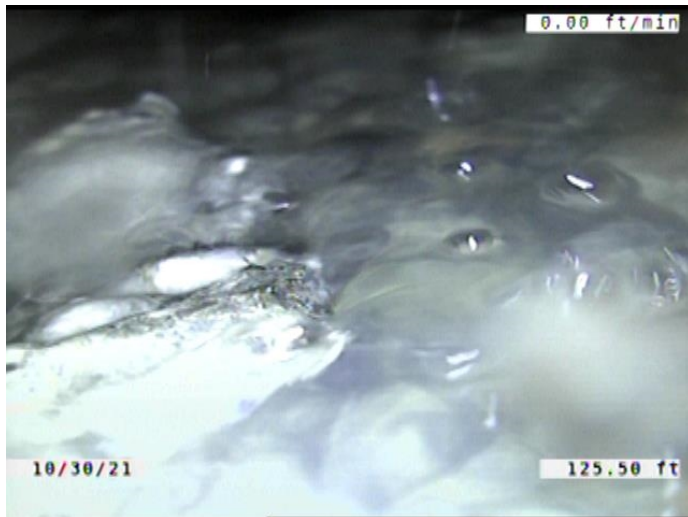


Code: **TBI**  
 Description: **Tap Break-in Intruding**

Distance (ft): **124.3**  
 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: **CONSTANTLY RUNNING WATER**

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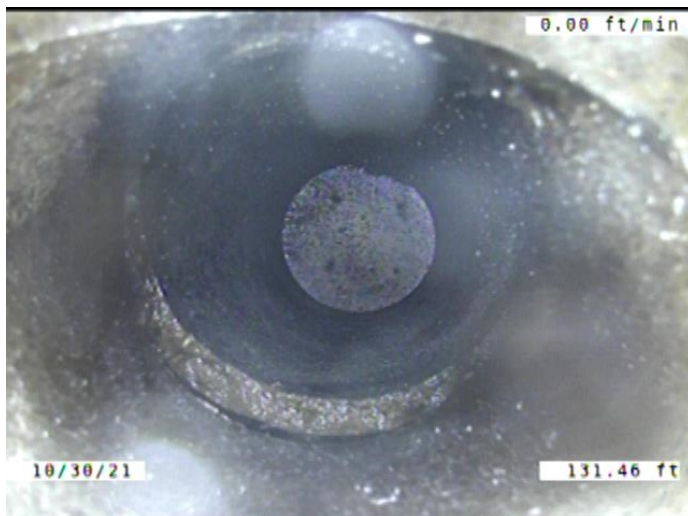




Code: **OBN**  
 Description: **Obstruction Construction Debris**

Distance (ft): **125.5**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **5**  
 Clock To: **7**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index: **S01**  
 Within 8" of Joint: **YES**  
 Remarks:

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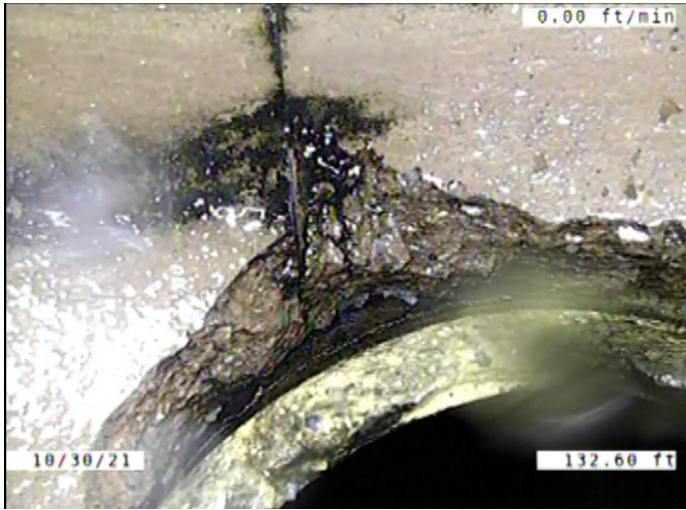


Code: **TFD**  
 Description: **Tap Factory Defective**

Distance (ft): **131.5**  
 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**

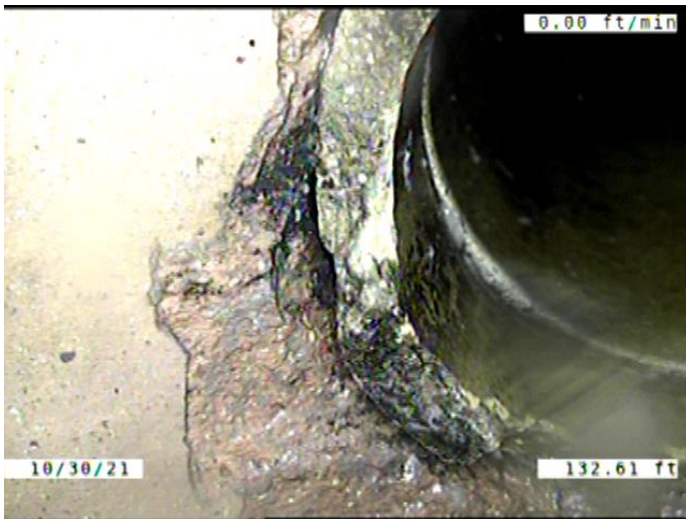
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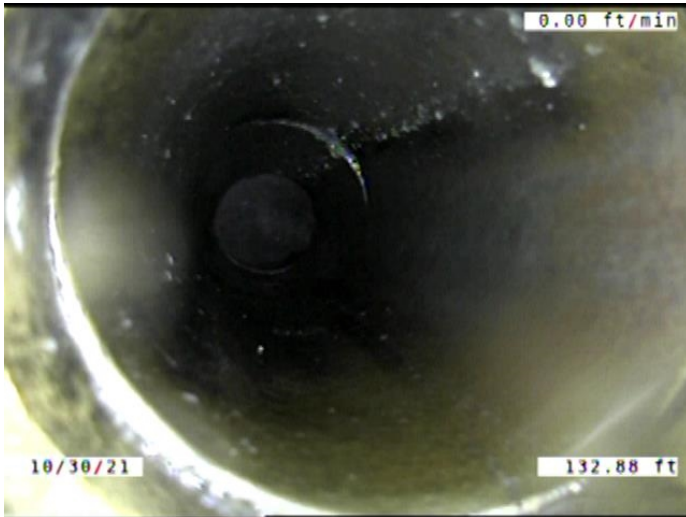
Code: **FL**  
 Description: **Fracture Longitudinal**

Distance (ft): **132.6**  
 Structural Grade: **3**  
 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): **132.6**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From: **12**  
 Clock To: **2**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



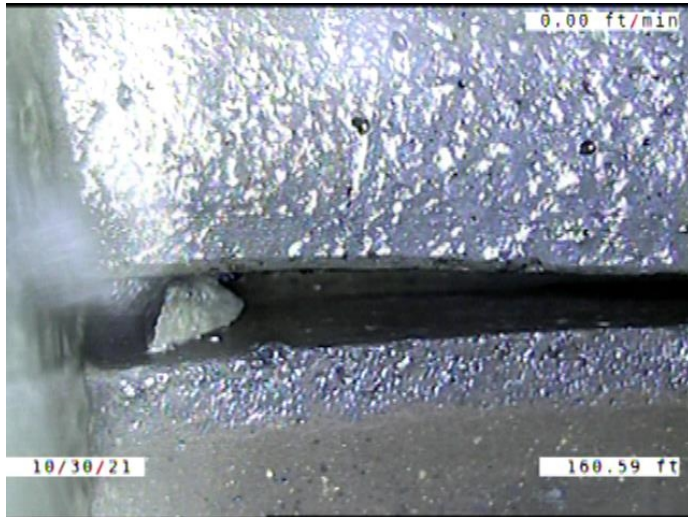
Code: **TBD**  
 Description: **Tap Break-in/Hammer Defective**

Distance (ft): **132.9**  
 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: **CONSTANTLY RUNNING WATER**

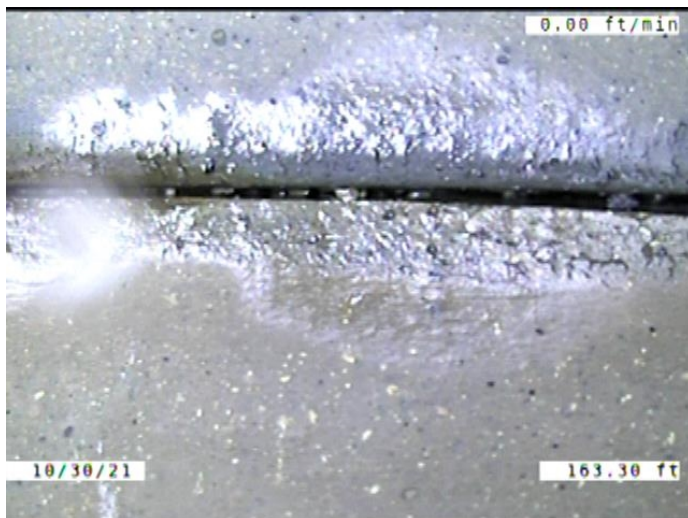


Code: **CM**  
 Description: **Crack Multiple**

Distance (ft): **150.4**  
 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:

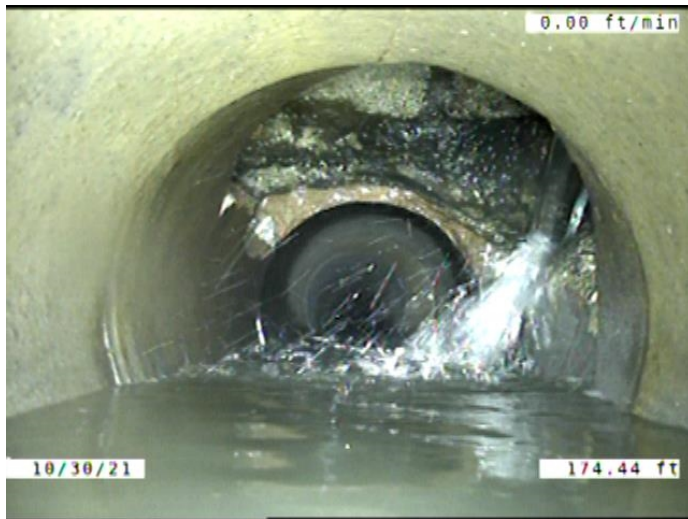


Code:	<b>OBJ</b>
Description:	<b>Obstruction Wedged In The Joint</b>
Distance (ft):	<b>160.6</b>
Structural Grade:	<b>0</b>
O&M Grade:	<b>2</b>
Clock Start/From:	<b>9</b>
Clock To:	<b>10</b>
1st Value:	
2nd Value:	
Value Percent:	<b>5.000</b>
Continuous Index:	
Within 8" of Joint:	<b>YES</b>
Remarks:	



Code:	<b>IWJ</b>
Description:	<b>Infiltration Weeper Joint</b>
Distance (ft):	<b>163.3</b>
Structural Grade:	<b>0</b>
O&M Grade:	<b>2</b>
Clock Start/From:	<b>9</b>
Clock To:	<b>11</b>
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	<b>YES</b>
Remarks:	

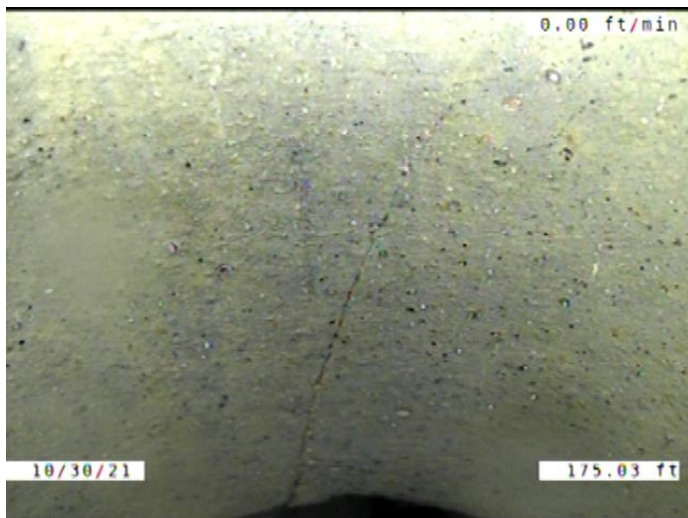




Code: **OBN**  
 Description: **Obstruction Construction Debris**

Distance (ft): **174.4**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **5**  
 Clock To: **7**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index: **F01**  
 Within 8" of Joint: **YES**  
 Remarks:

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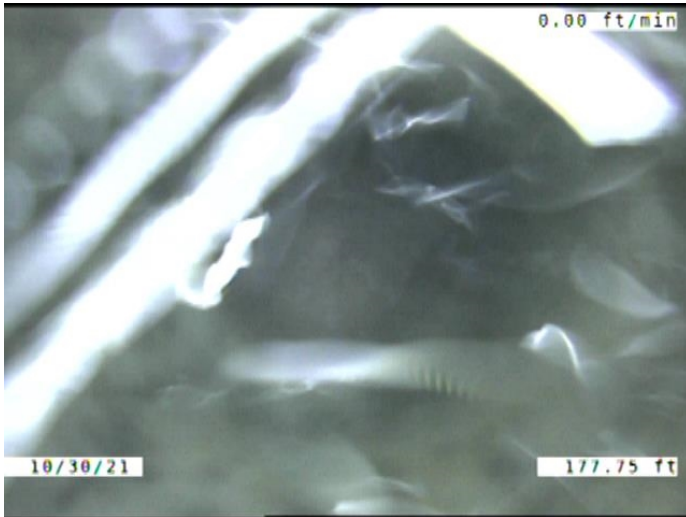


Code: **CM**  
 Description: **Crack Multiple**

Distance (ft): **175.0**  
 Structural Grade: **3**  
 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:

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Code:	<b>AMH</b>
Description:	<b>Manhole</b>
Distance (ft):	<b>177.7</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-504-045</b>