

RedZone  
ROBOTICS

Street:	North Michigan Avenue		Flow Control:	Not Controlled	
City:	Hobart, IN		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:		
Category:	NA				
Comment:					
Location Details:			Direction of Survey:	Downstream	
US MH:	M-704-014	DS MH:	M-704-013	Total Length Surveyed (ft):	262.2

O&M Index:	<b>2.12</b>	O&M Quick:	<b>5142</b>	O&M Rating:	<b>142.00</b>
Structural Index:	<b>3.01</b>	Structural Quick:	<b>524B</b>	Structural Rating:	<b>235.00</b>
Overall Index:	<b>2.60</b>	Overall Quick:	<b>534C</b>	Overall Rating:	<b>377.00</b>

**Thursday, December 30, 2021**

66.2	CL	Crack Longitudinal	1001	S 2
66.2	CM	Crack Multiple	1038	S 3
68.4	DAE	Deposits Attached Encrustation	1076	M 2
70.0	MWLS(F03)	Miscellaneous Water Level Sag	1101	S 2
72.7	JAL(S04)	Joint Angular Large	1135	S 4
74.7	CM	Crack Multiple	1197	S 3
80.1	TFC	Tap Factory Capped	1256	NA
80.6	B	Broken	1320	S 4
81.0	TBD	Tap Break-in/Hammer Defective	1343	M 3
81.0	JAL(F04)	Joint Angular Large	1359	S 4
82.1	TFC	Tap Factory Capped	1384	NA
97.7	FM	Fracture Multiple	1522	S 4
105.0	SSS	Surface Damage Surface Spalling	1596	S 2
105.2	TBI	Tap Break-in Intruding	1612	M 2
107.2	TF	Tap Factory	1644	NA
110.2	JAM(S05)	Joint Angular Medium	1676	S 3
122.6	JAL	Joint Angular Large	1756	S 4
122.6	CL	Crack Longitudinal	1769	S 2
126.7	TF	Tap Factory	1816	NA
129.0	TFC	Tap Factory Capped	1846	NA
141.0	LL	Line Left	1908	M 1
141.4	SZ(S06)	Surface Damage Other	1946	NA
141.4	SZ(S07)	Surface Damage Other	1955	NA
144.3	JAL	Joint Angular Large	1989	S 4
152.3	SZ(F06)	Surface Damage Other	2040	NA
156.7	TF	Tap Factory	2080	NA
156.7	SZ(F07)	Surface Damage Other	2108	NA
173.7	JAL	Joint Angular Large	2273	S 4
176.8	TFC	Tap Factory Capped	2320	NA
184.5	CM	Crack Multiple	2437	S 3
184.5	ISB	Infiltration Stain Barrel	2453	M 1
184.5	ISB	Infiltration Stain Barrel	2476	M 1
185.3	TB	Tap Break-in/Hammer	2492	NA
188.4	JAL	Joint Angular Large	2529	S 4
188.4	CL	Crack Longitudinal	2541	S 2
190.0	MWLS(S08)	Miscellaneous Water Level Sag	2572	S 2
192.0	MCU(S09)	Miscellaneous Camera Underwater	2603	M 4
194.7	CM	Crack Multiple	2660	S 3
196.0	MCU(F09)	Miscellaneous Camera Underwater	2693	M 4
202.7	DAE	Deposits Attached Encrustation	2761	M 2
204.1	TFD	Tap Factory Defective	2786	M 3
209.0	DAE	Deposits Attached Encrustation	2830	M 2

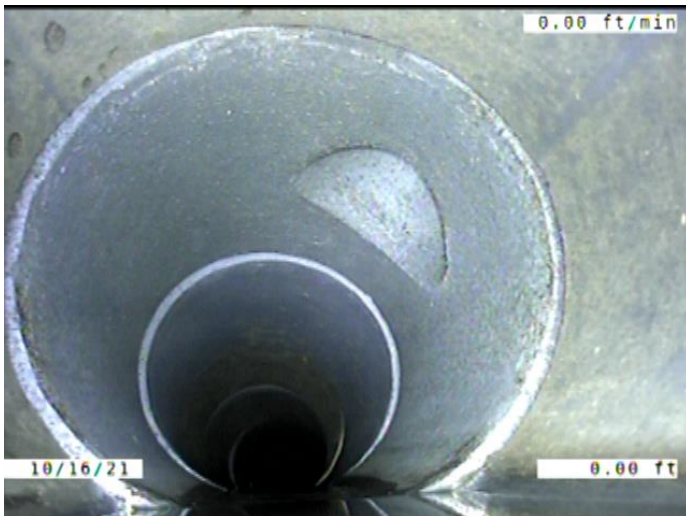
209.0	DAE	Deposits Attached Encrustation	2871	M 2
211.2	DAE	Deposits Attached Encrustation	2915	M 2
211.2	JAL	Joint Angular Large	2925	S 4
211.2	LR	Line Right	2943	M 1
212.2	TFD	Tap Factory Defective	2991	M 3
213.6	MWLS(F08)	Miscellaneous Water Level Sag	3015	S 2
215.4	DAE(S10)	Deposits Attached Encrustation	3038	M 2
218.1	SSS	Surface Damage Surface Spalling	3088	S 2
218.3	TBD	Tap Break-in/Hammer Defective	3102	M 3
219.7	IGJ	Infiltration Gusher Joint	3140	M 5
223.6	JAL	Joint Angular Large	3187	S 4
227.0	DAE(F10)	Deposits Attached Encrustation	3223	M 2
231.0	TFC	Tap Factory Capped	3257	NA
234.2	JAL	Joint Angular Large	3316	S 4
234.2	FM	Fracture Multiple	3371	S 4
235.0	DAE	Deposits Attached Encrustation	3421	M 2
235.7	TBI	Tap Break-in Intruding	3450	M 2
248.8	JAL	Joint Angular Large	3559	S 4
251.8	DAE	Deposits Attached Encrustation	3613	M 2
253.9	MWLS(S11)	Miscellaneous Water Level Sag	3657	S 5
255.1	TFD	Tap Factory Defective	3682	M 3
257.5	MCU(S12)	Miscellaneous Camera Underwater	3711	M 4
262.2	DSF(F02)	Deposits Settled Fine	3907	M 2
262.2	JAM(F05)	Joint Angular Medium	3915	S 3
262.2	MWLS(F11)	Miscellaneous Water Level Sag	3922	S 5
262.2	MCU(F12)	Miscellaneous Camera Underwater	3930	M 4
262.2	MSA	Miscellaneous Survey Abandoned	3939	NA

**M-704-013**



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

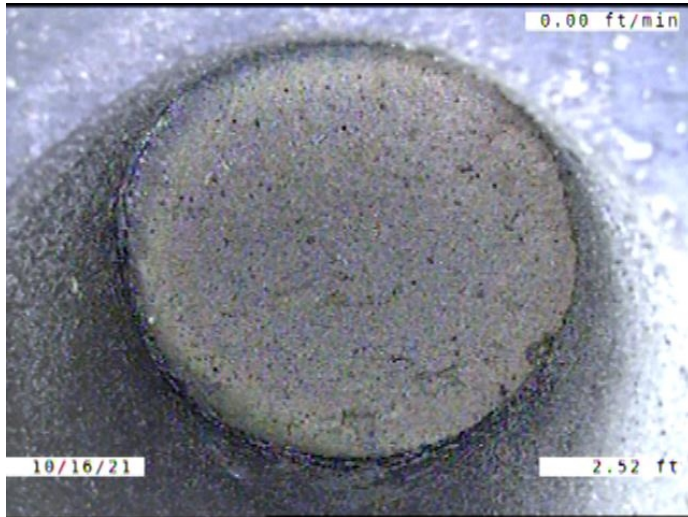
Distance (ft): **.0**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks: **M-704-014**



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

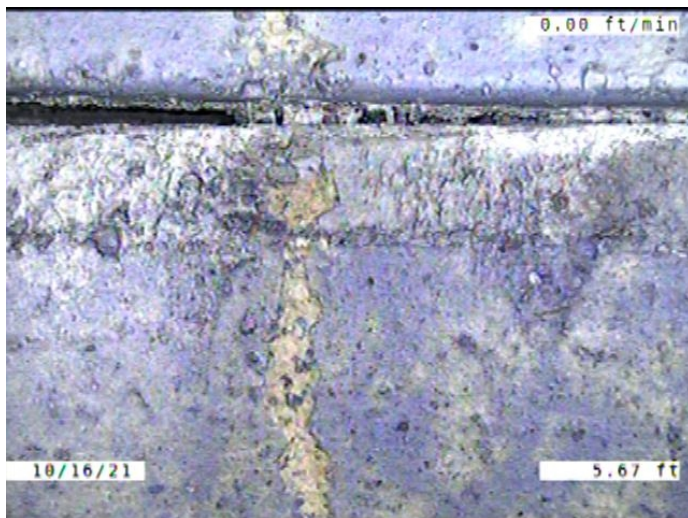
Distance (ft): **.0**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:





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

Distance (ft): **2.5**  
 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:



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

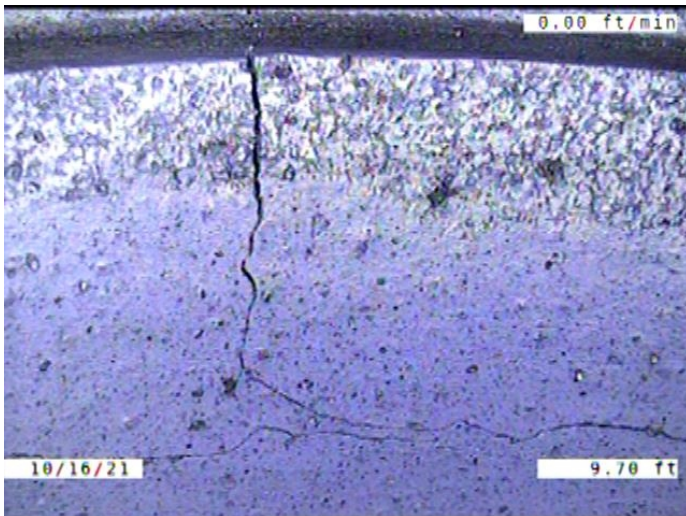
Distance (ft): **5.7**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From: **1**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **7.7**  
 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:

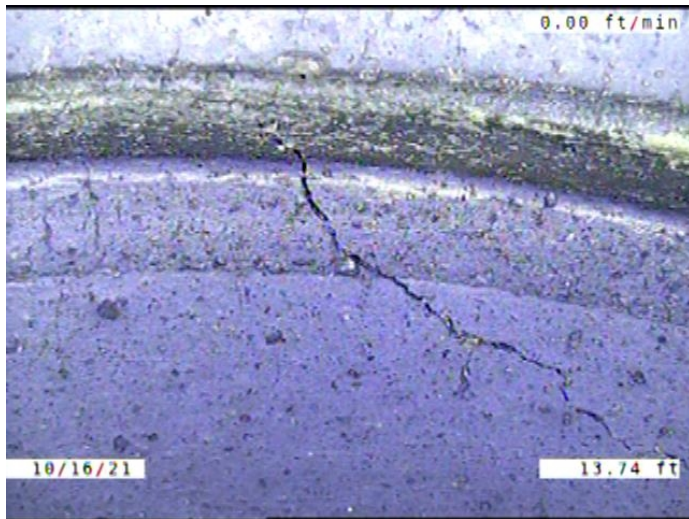
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Code: **FM**  
 Description: **Fracture Multiple**

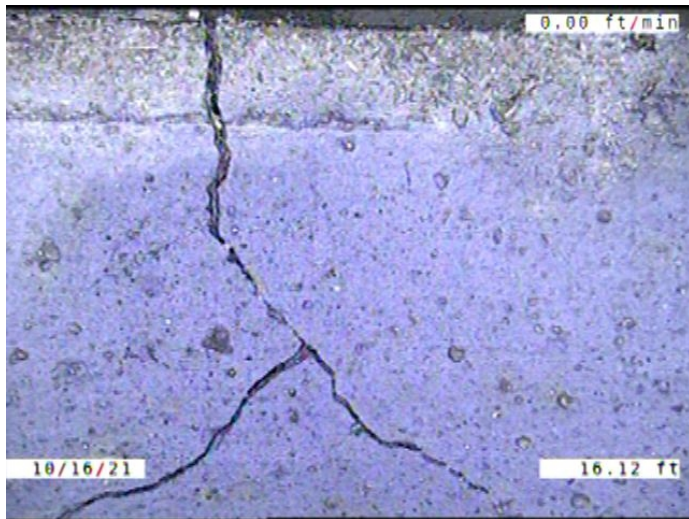
Distance (ft): **9.7**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **8**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:

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

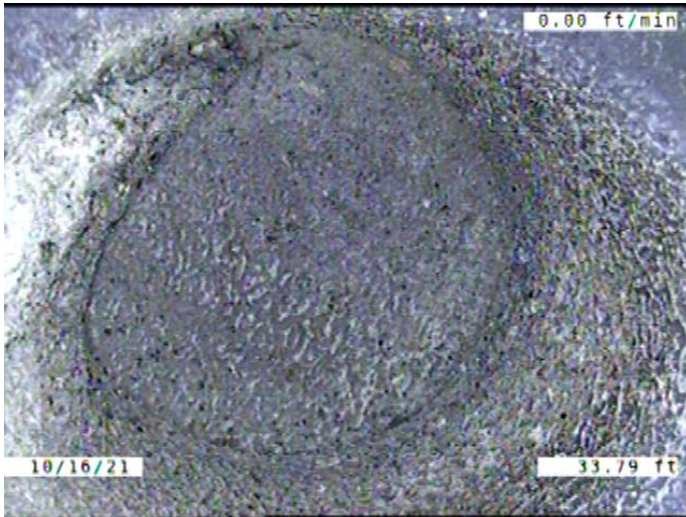
Distance (ft): **13.7**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **12**  
 Clock To: **3**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

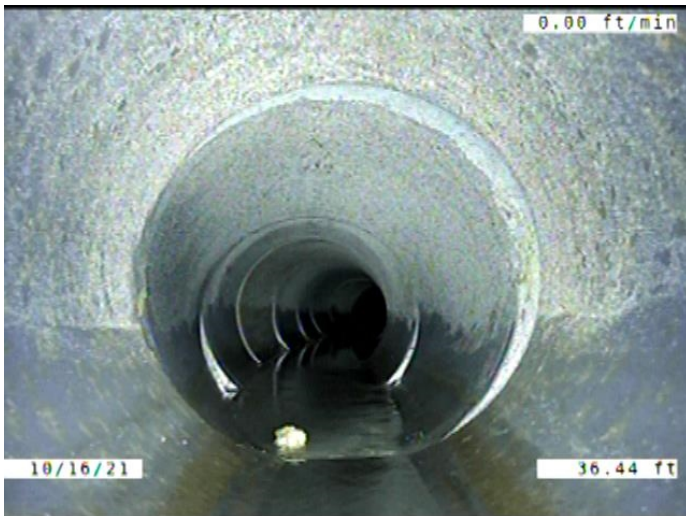
Distance (ft): **16.1**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **10**  
 Clock To: **2**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:





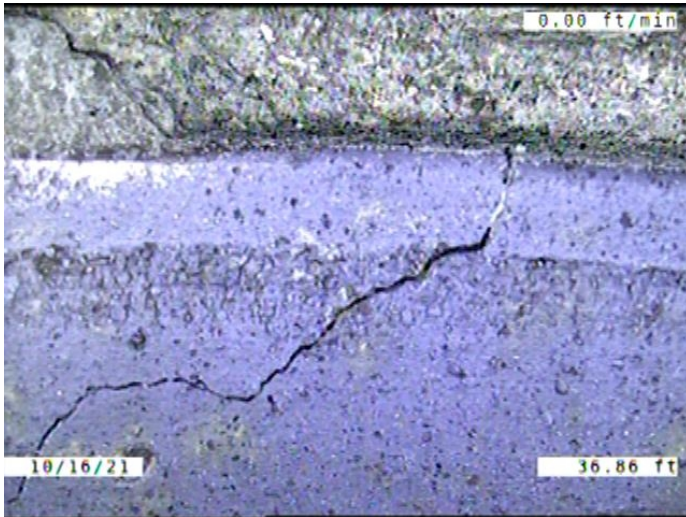
Code: **TFC**  
 Description: **Tap Factory Capped**

Distance (ft): **33.8**  
 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: **MWLS**  
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **36.4**  
 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:



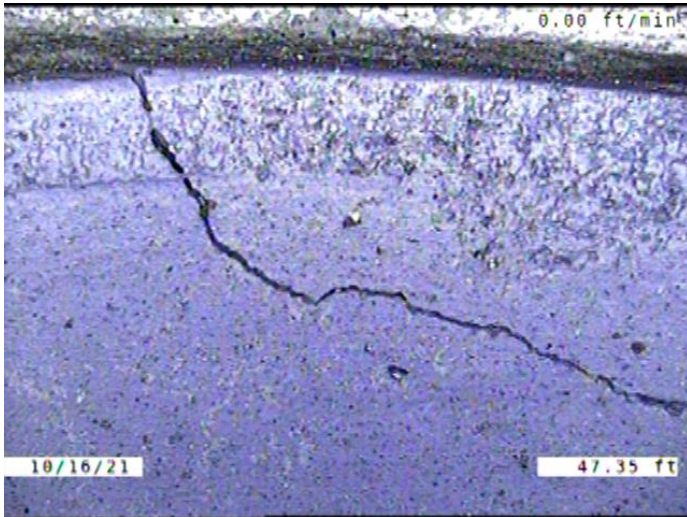
Code: **FM**  
 Description: **Fracture Multiple**

Distance (ft): **36.9**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **9**  
 Clock To: **12**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

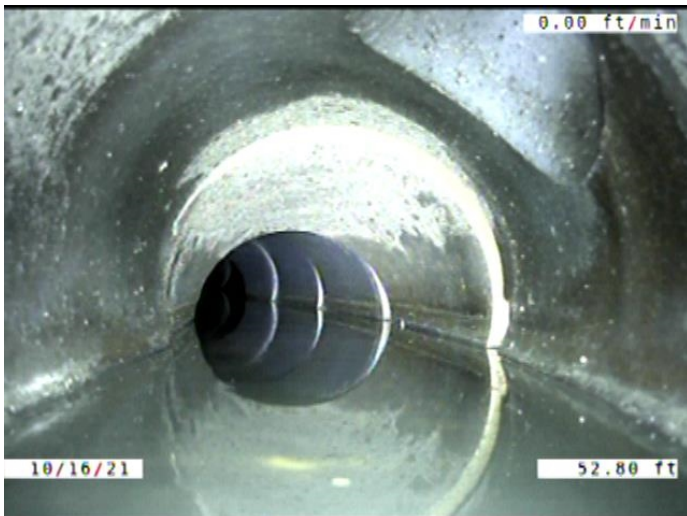
Distance (ft): **41.4**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **5**  
 Clock To: **7**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index: **S02**  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **47.4**  
 Structural Grade: **4**  
 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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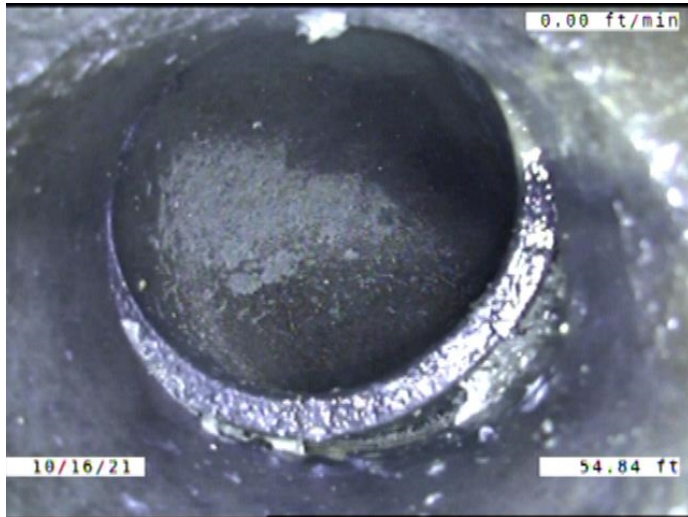


Code: **MWLS**  
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **52.8**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **25.000**  
 Continuous Index: **S03**  
 Within 8" of Joint: **NO**  
 Remarks:

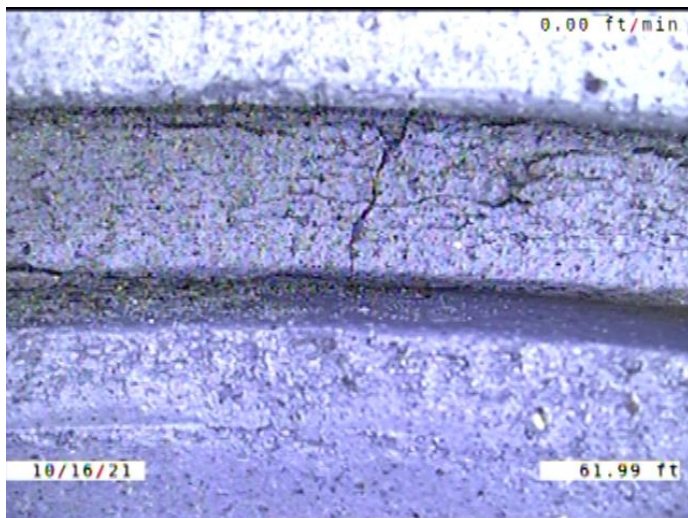
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Code: **TF**  
 Description: **Tap Factory**

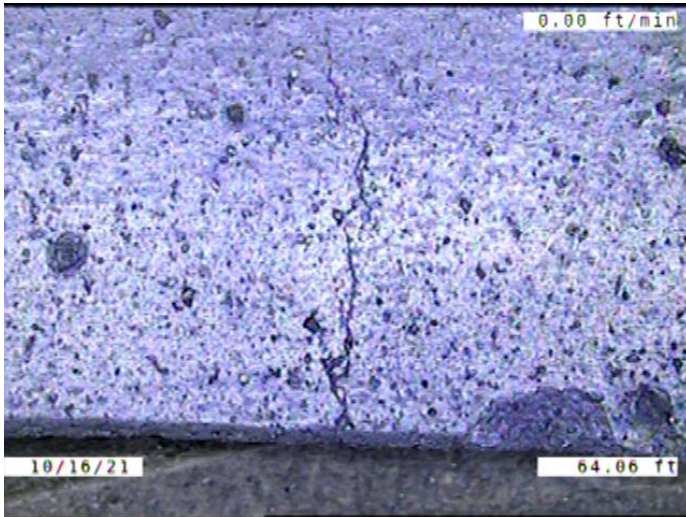
Distance (ft): **54.8**  
 Structural Grade: **0**  
 O&M Grade: **0**  
 Clock Start/From: **1**  
 Clock To:  
 1st Value: **4.000**  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



Code: **JSM**  
 Description: **Joint Separated Medium**

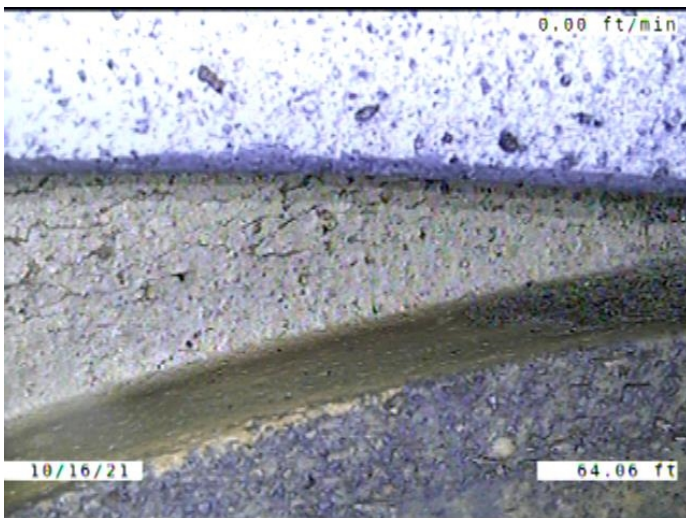
Distance (ft): **62.0**  
 Structural Grade: **3**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:





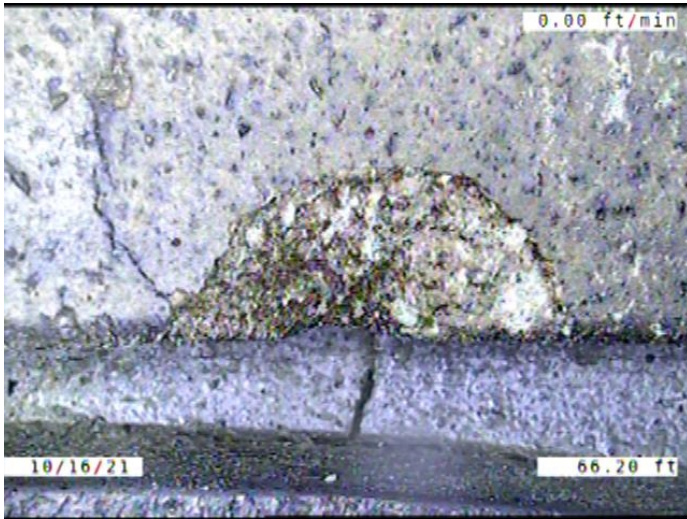
Code: **CL**  
 Description: **Crack Longitudinal**

Distance (ft): **64.1**  
 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: **YES**  
 Remarks:



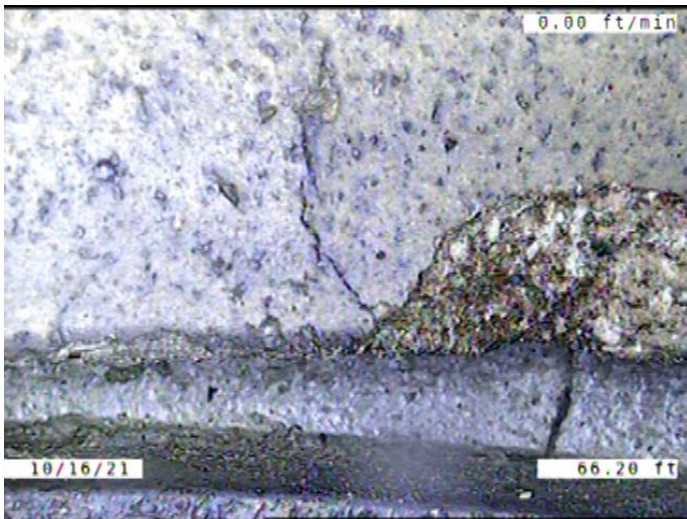
Code: **JAL**  
 Description: **Joint Angular Large**

Distance (ft): **64.1**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:



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

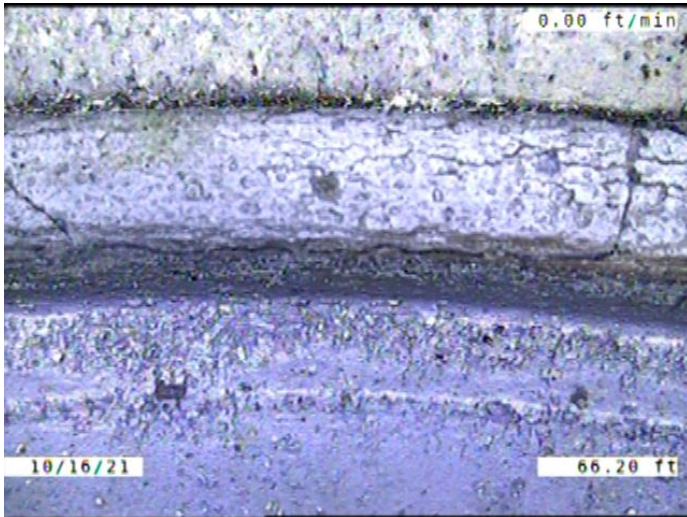
Distance (ft): **66.2**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From: **10**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **66.2**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From: **10**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:





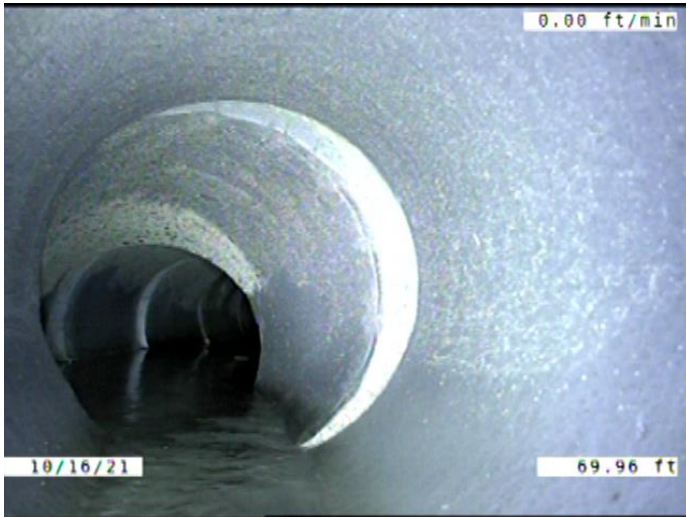
Code: **CM**  
 Description: **Crack Multiple**

Distance (ft): **66.2**  
 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:



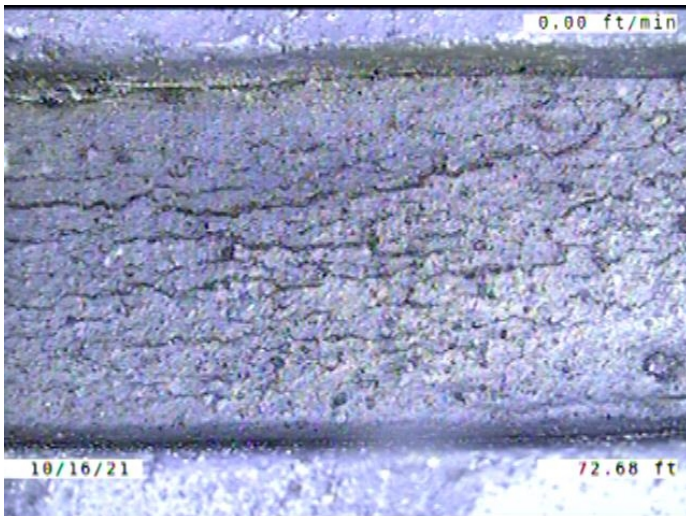
Code: **DAE**  
 Description: **Deposits Attached Encrustation**

Distance (ft): **68.4**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **3**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **70.0**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **25.000**  
 Continuous Index: **F03**  
 Within 8" of Joint: **NO**  
 Remarks:



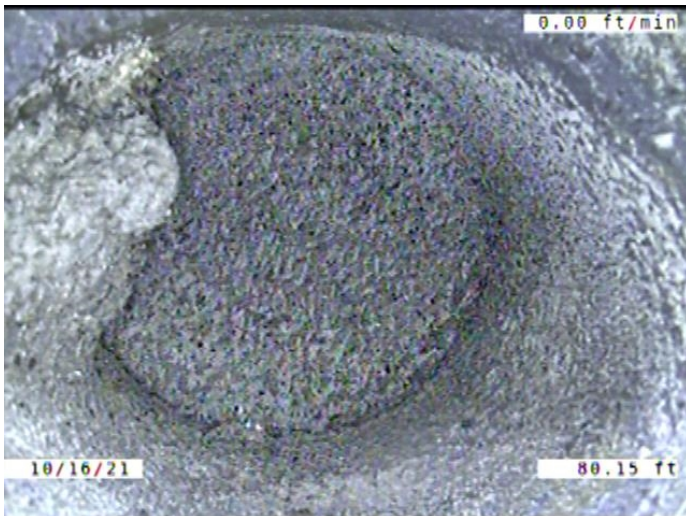
Code: **JAL**  
 Description: **Joint Angular Large**

Distance (ft): **72.7**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index: **S04**  
 Within 8" of Joint: **NO**  
 Remarks:



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

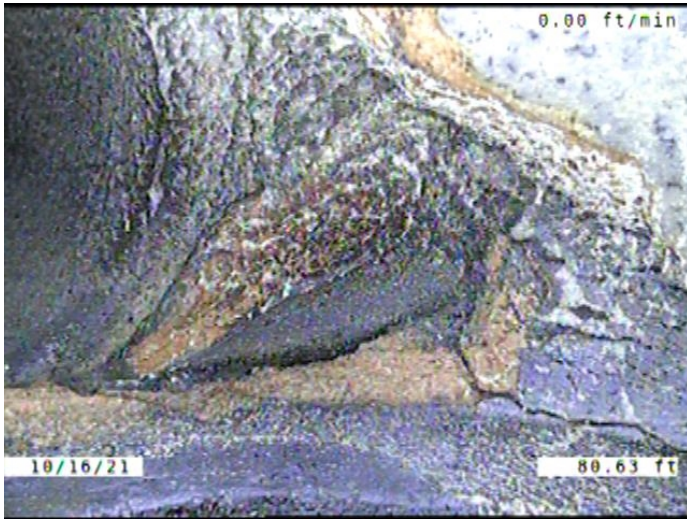
Distance (ft): **74.7**  
 Structural Grade: **3**  
 O&M Grade: **0**  
 Clock Start/From: **8**  
 Clock To: **11**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **80.1**  
 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:

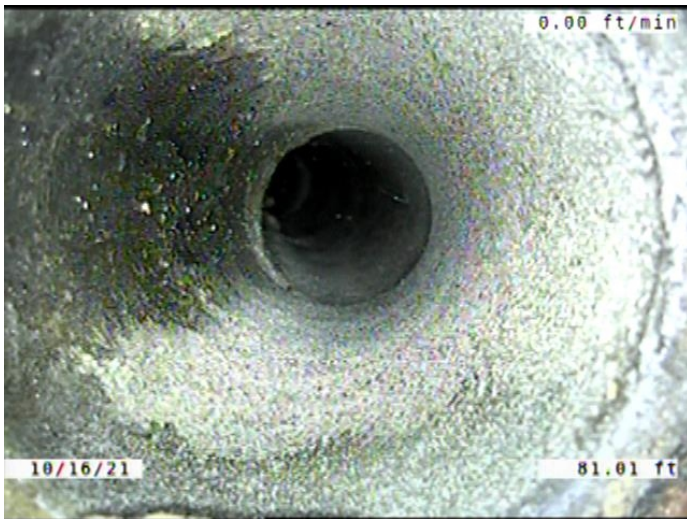




Code: **B**  
 Description: **Broken**

Distance (ft): **80.6**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **8**  
 Clock To: **2**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:

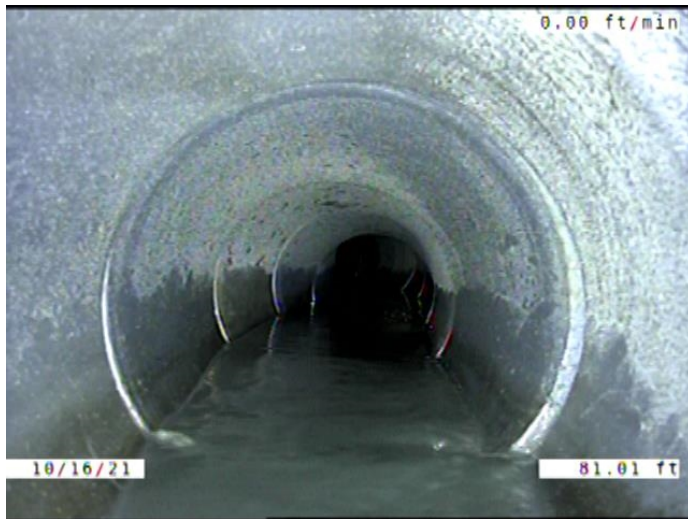
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Code: **TBD**  
 Description: **Tap Break-in/Hammer Defective**

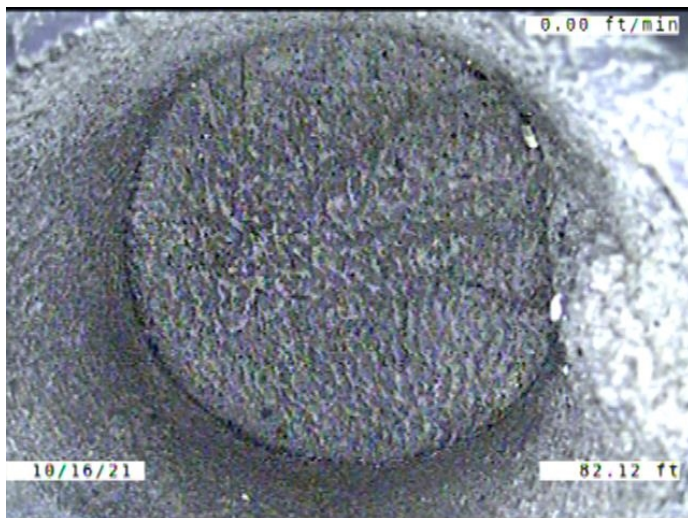
Distance (ft): **81.0**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **10**  
 Clock To:  
 1st Value: **4.000**  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks: **Defective**

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

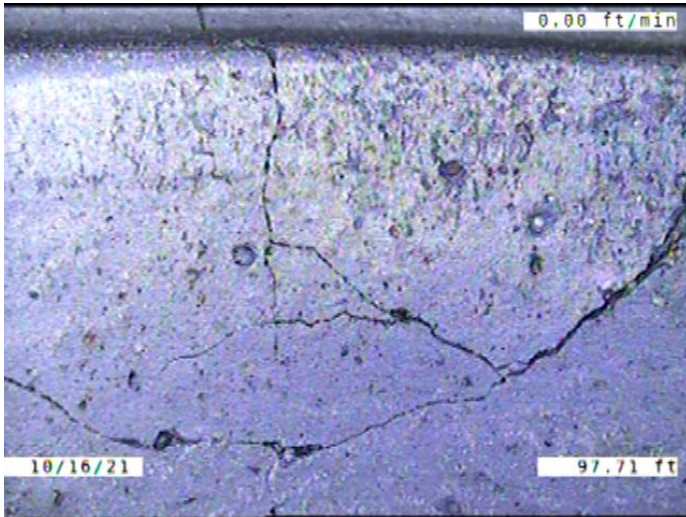
Distance (ft): **81.0**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index: **F04**  
 Within 8" of Joint: **NO**  
 Remarks:



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

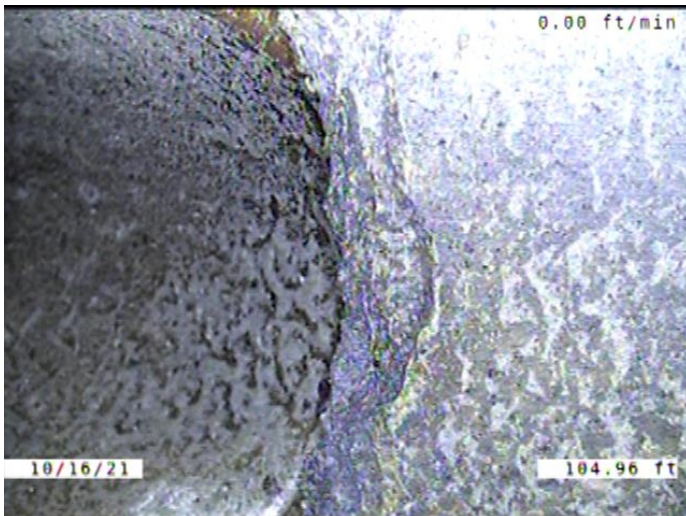
Distance (ft): **82.1**  
 Structural Grade: **0**  
 O&M Grade: **0**  
 Clock Start/From: **2**  
 Clock To:  
 1st Value: **4.000**  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:





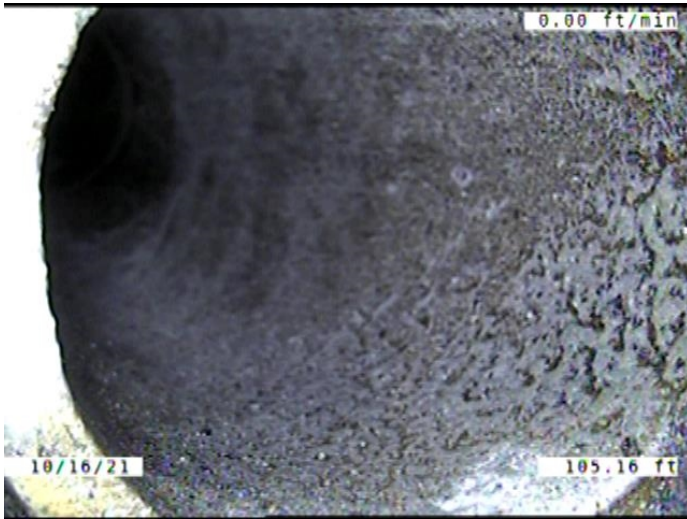
Code: **FM**  
 Description: **Fracture Multiple**

Distance (ft): **97.7**  
 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: **SSS**  
 Description: **Surface Damage Surface Spalling**

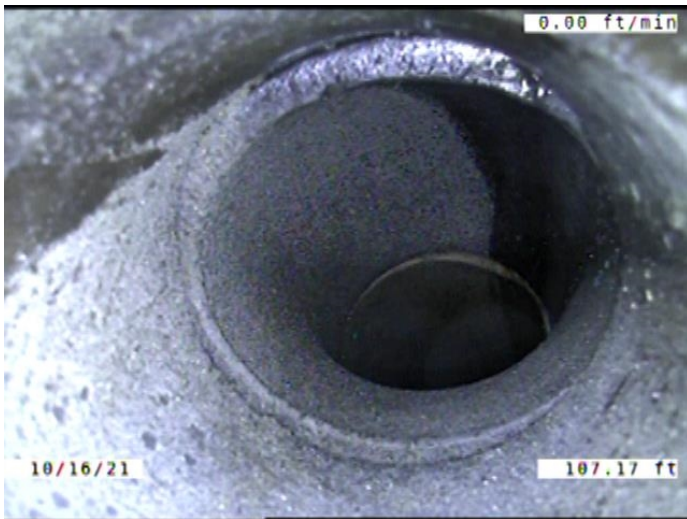
Distance (ft): **105.0**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From: **10**  
 Clock To: **12**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **105.2**  
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**

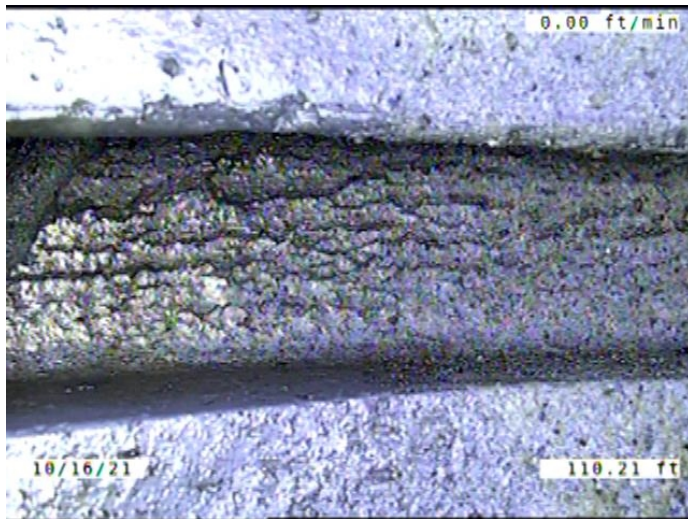
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Code: **TF**  
Description: **Tap Factory**

Distance (ft): **107.2**  
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:

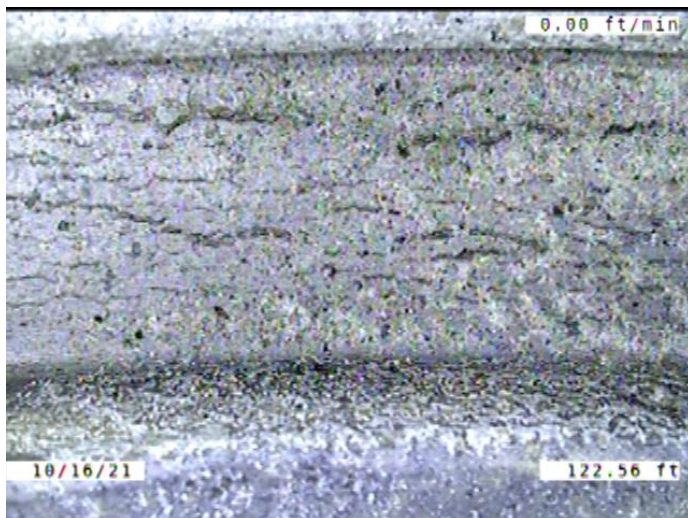
---



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

Distance (ft): **110.2**  
Structural Grade: **3**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **S05**  
Within 8" of Joint: **NO**  
Remarks:

---

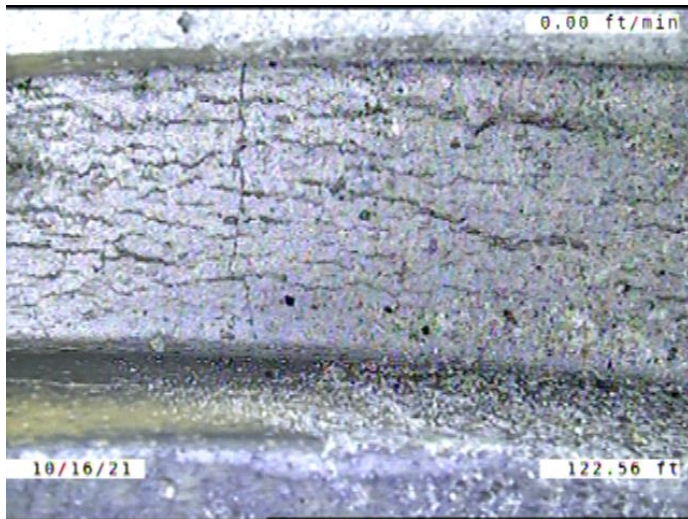


Code: **JAL**  
Description: **Joint Angular Large**

Distance (ft): **122.6**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

---

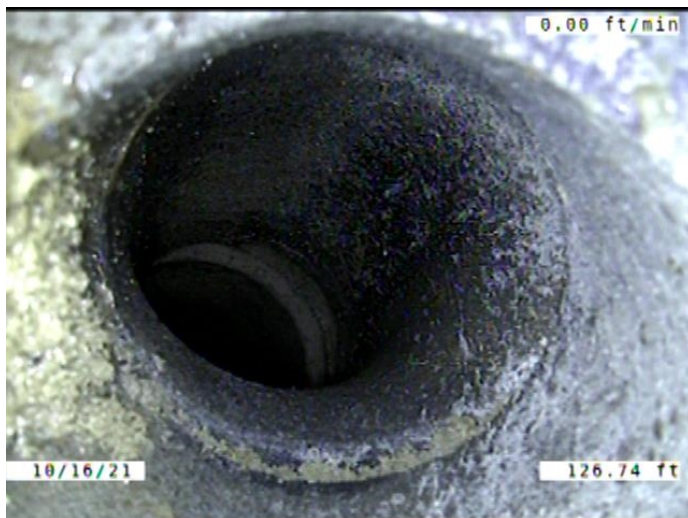




Code: **CL**  
 Description: **Crack Longitudinal**

Distance (ft): **122.6**  
 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:

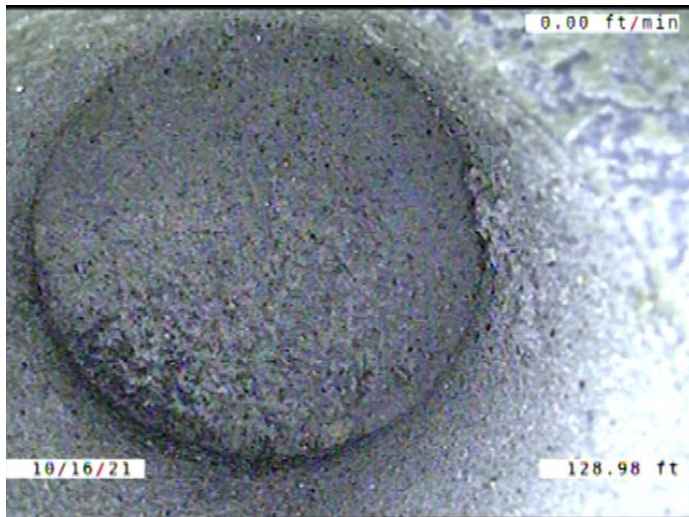
---



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

Distance (ft): **126.7**  
 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:

---



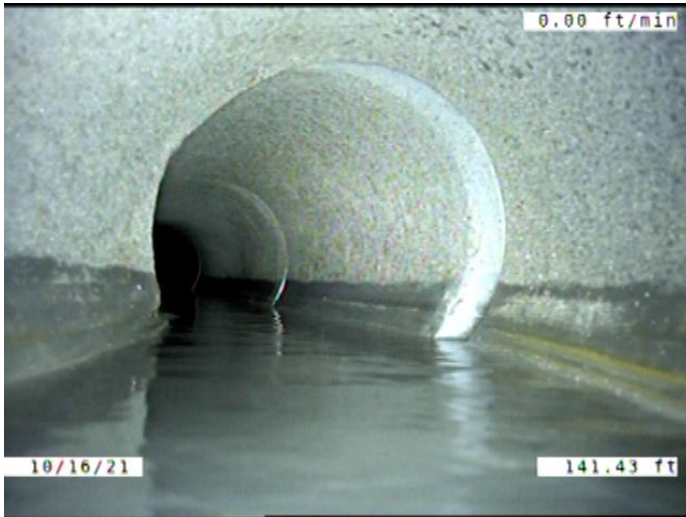
Code: **TFC**  
 Description: **Tap Factory Capped**

Distance (ft): **129.0**  
 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: **LL**  
 Description: **Line Left**

Distance (ft): **141.0**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **10.000**  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:



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

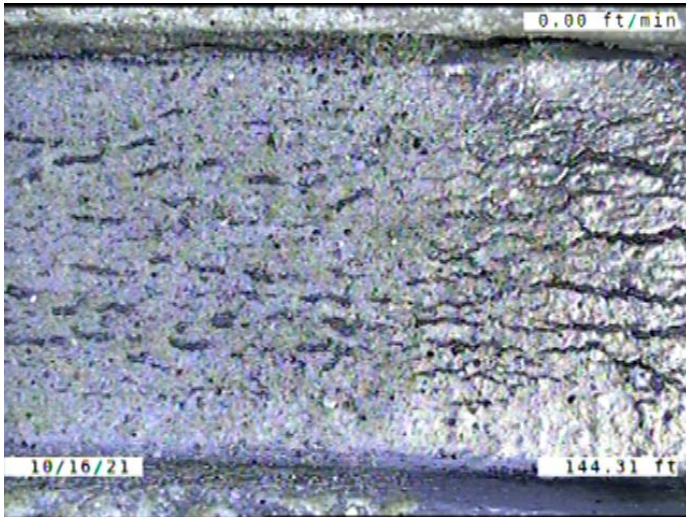
Distance (ft): **141.4**  
 Structural Grade: **0**  
 O&M Grade: **0**  
 Clock Start/From: **4**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index: **S06**  
 Within 8" of Joint: **YES**  
 Remarks: **GROOVE IN THE WALL OF THE PIPE.**



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

Distance (ft): **141.4**  
 Structural Grade: **0**  
 O&M Grade: **0**  
 Clock Start/From: **8**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index: **S07**  
 Within 8" of Joint: **YES**  
 Remarks: **GROOVE IN THE WALL OF THE PIPE.**





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

Distance (ft): **144.3**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

---

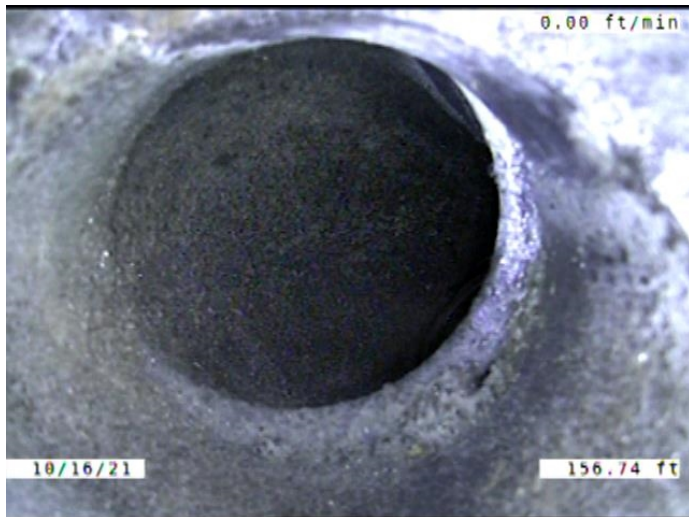


Code: **SZ**  
Description: **Surface Damage Other**

Distance (ft): **152.3**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From: **4**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **F06**  
Within 8" of Joint: **YES**  
Remarks: **GROOVE IN THE WALL OF THE PIPE.**

---





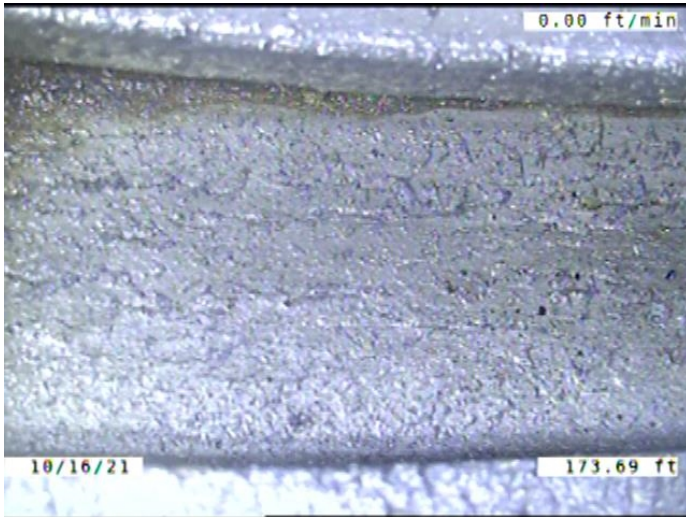
Code: **TF**  
 Description: **Tap Factory**

Distance (ft): **156.7**  
 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:



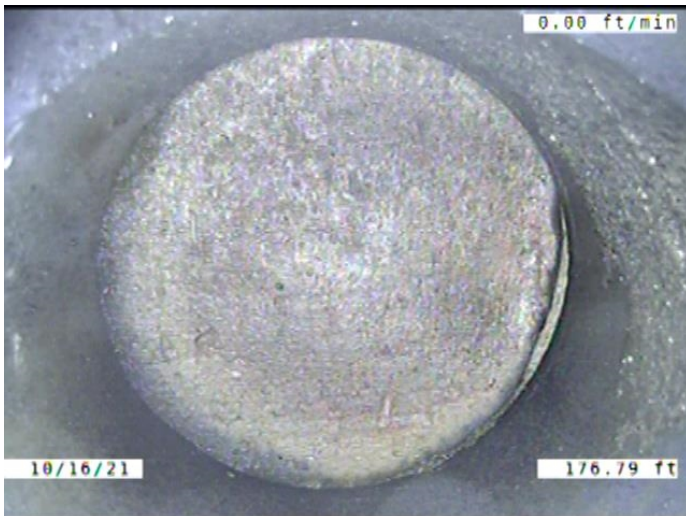
Code: **SZ**  
 Description: **Surface Damage Other**

Distance (ft): **156.7**  
 Structural Grade: **0**  
 O&M Grade: **0**  
 Clock Start/From: **8**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index: **F07**  
 Within 8" of Joint: **YES**  
 Remarks: **GROOVE IN THE WALL OF THE PIPE.**



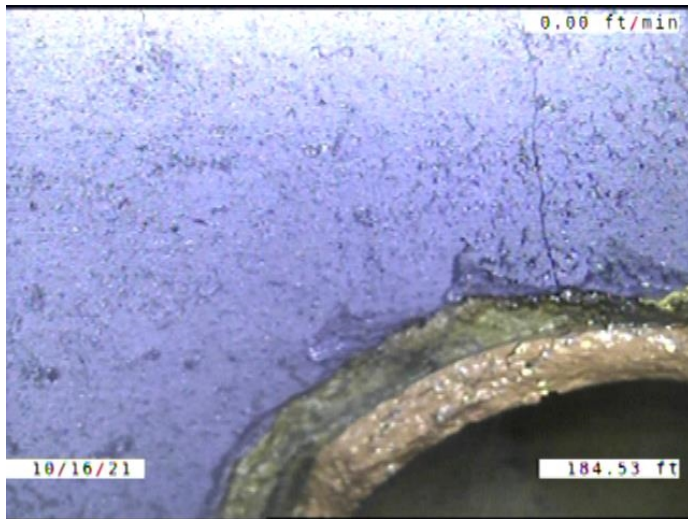
Code: **JAL**  
 Description: **Joint Angular Large**

Distance (ft): **173.7**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:



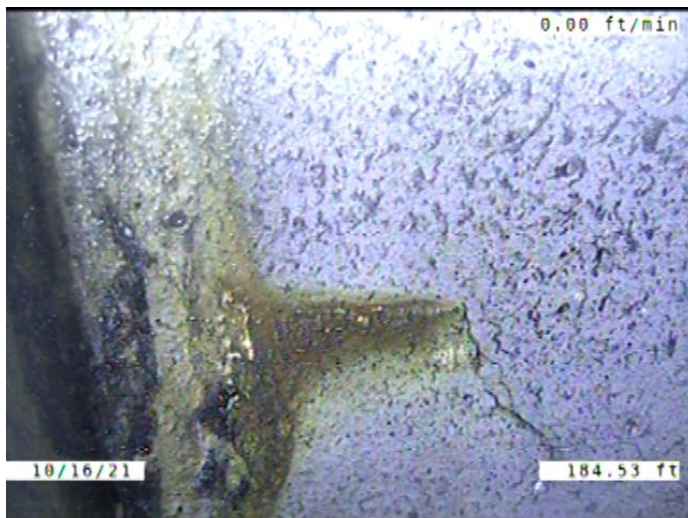
Code: **TFC**  
 Description: **Tap Factory Capped**

Distance (ft): **176.8**  
 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: **CM**  
 Description: **Crack Multiple**

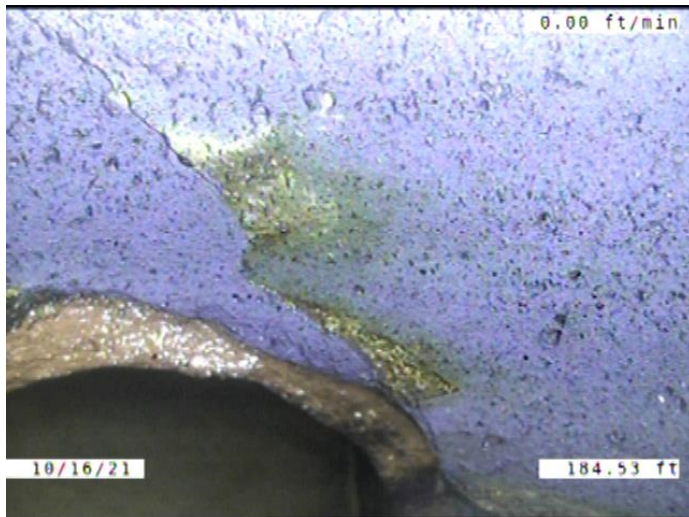
Distance (ft): **184.5**  
 Structural Grade: **3**  
 O&M Grade: **0**  
 Clock Start/From: **9**  
 Clock To: **3**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **184.5**  
 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: **NO**  
 Remarks:

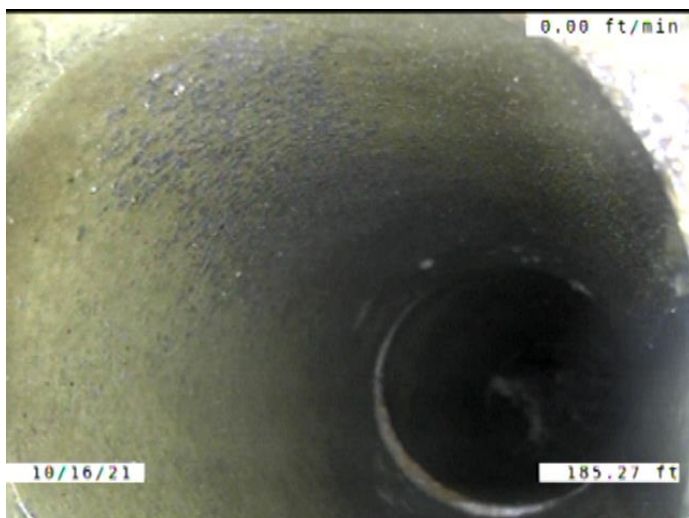




Code: **ISB**  
 Description: **Infiltration Stain Barrel**

Distance (ft): **184.5**  
 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: **NO**  
 Remarks:

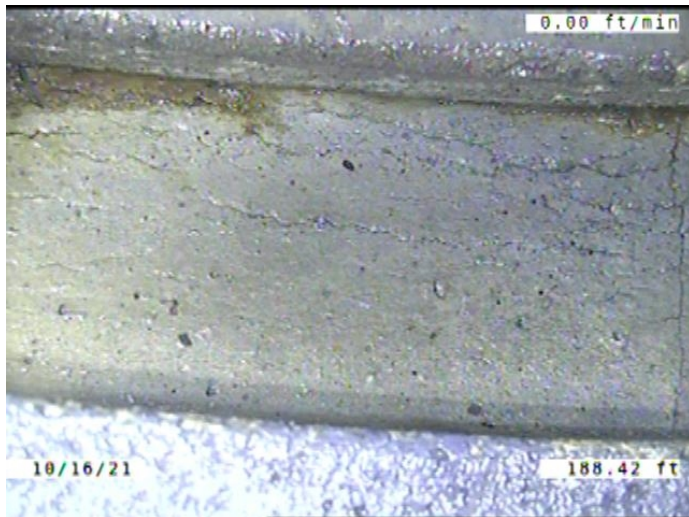
---



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

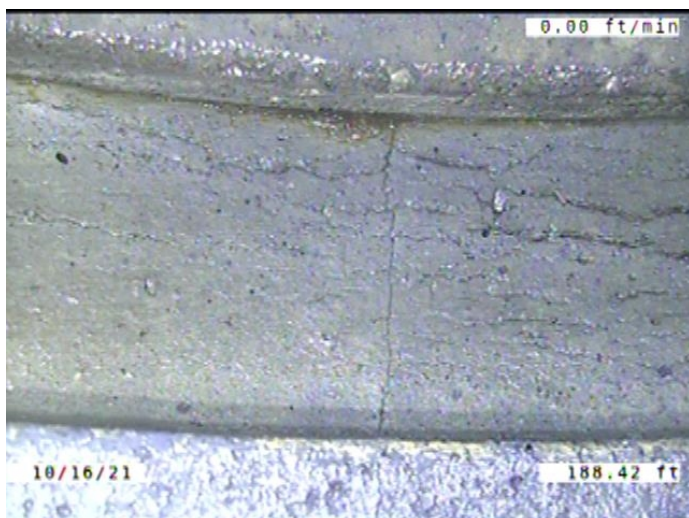
Distance (ft): **185.3**  
 Structural Grade: **0**  
 O&M Grade: **0**  
 Clock Start/From: **2**  
 Clock To:  
 1st Value: **4.000**  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:

---



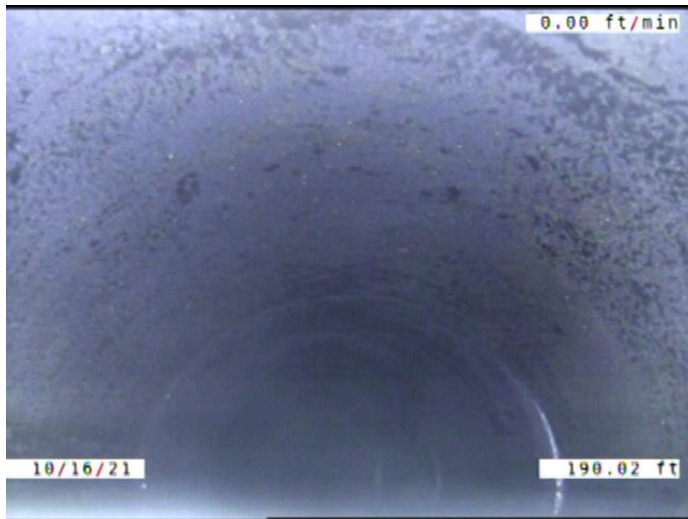
Code: **JAL**  
 Description: **Joint Angular Large**

Distance (ft): **188.4**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:



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

Distance (ft): **188.4**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From: **10**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **190.0**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **20.000**  
Continuous Index: **S08**  
Within 8" of Joint: **NO**  
Remarks:

---



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

Distance (ft): **192.0**  
Structural Grade: **0**  
O&M Grade: **4**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **S09**  
Within 8" of Joint: **NO**  
Remarks:

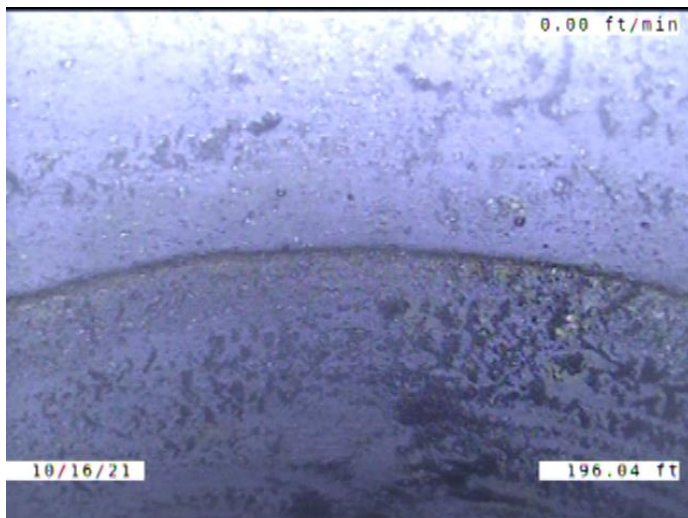
---





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

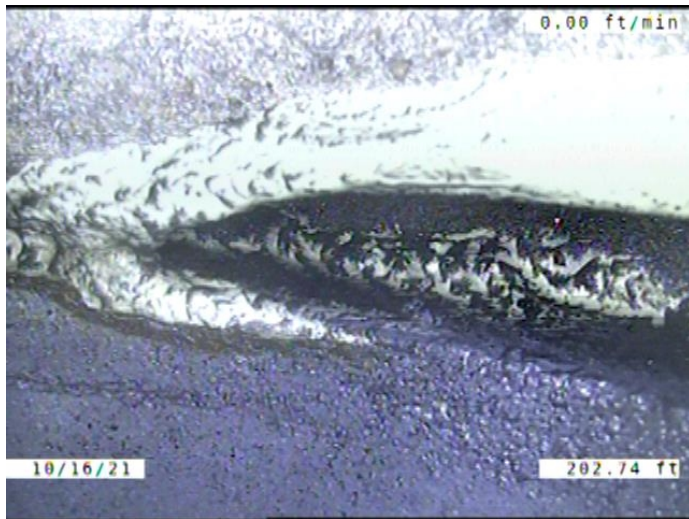
Distance (ft): **194.7**  
 Structural Grade: **3**  
 O&M Grade: **0**  
 Clock Start/From: **12**  
 Clock To: **1**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

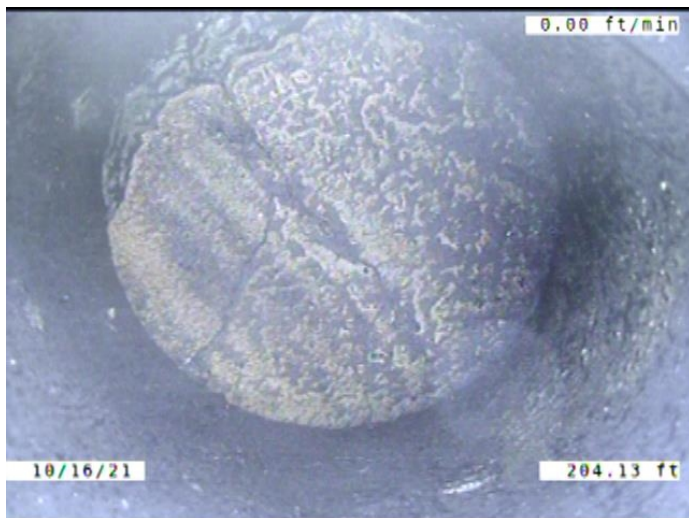
Distance (ft): **196.0**  
 Structural Grade: **0**  
 O&M Grade: **4**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index: **F09**  
 Within 8" of Joint: **NO**  
 Remarks:





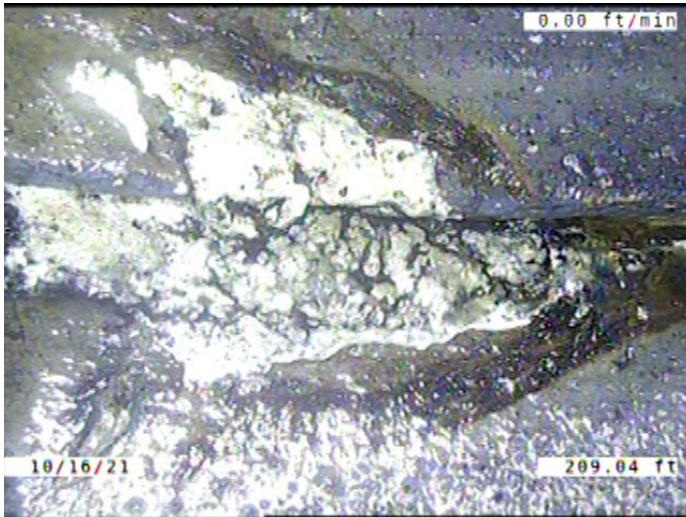
Code: **DAE**  
 Description: **Deposits Attached Encrustation**

Distance (ft): **202.7**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **1**  
 Clock To: **3**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



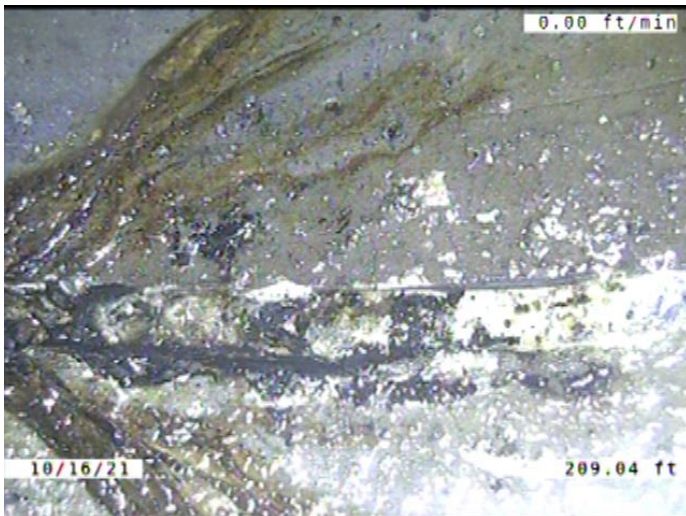
Code: **TFD**  
 Description: **Tap Factory Defective**

Distance (ft): **204.1**  
 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: **CAP BROKEN**



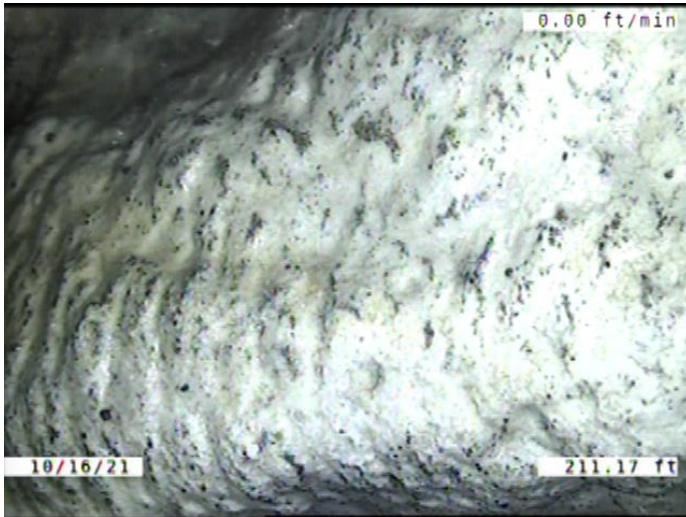
Code: **DAE**  
 Description: **Deposits Attached Encrustation**

Distance (ft): **209.0**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **3**  
 Clock To: **5**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



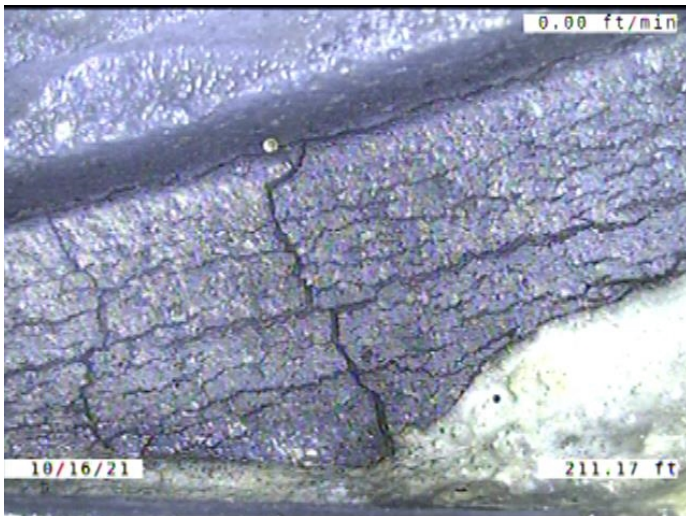
Code: **DAE**  
 Description: **Deposits Attached Encrustation**

Distance (ft): **209.0**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **7**  
 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): **211.2**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **7**  
 Clock To: **10**  
 1st Value:  
 2nd Value:  
 Value Percent: **10.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

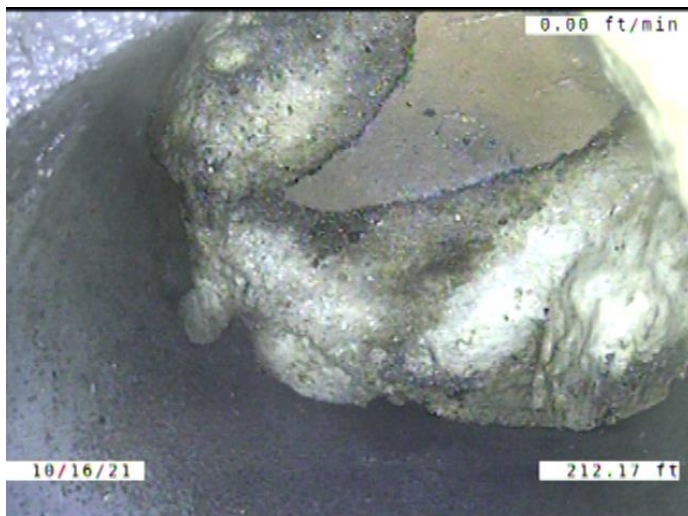
Distance (ft): **211.2**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:





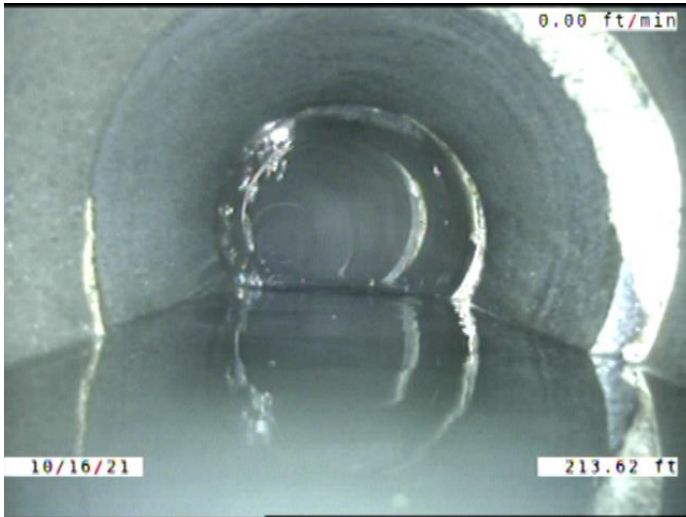
Code: **LR**  
 Description: **Line Right**

Distance (ft): **211.2**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **10.000**  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:



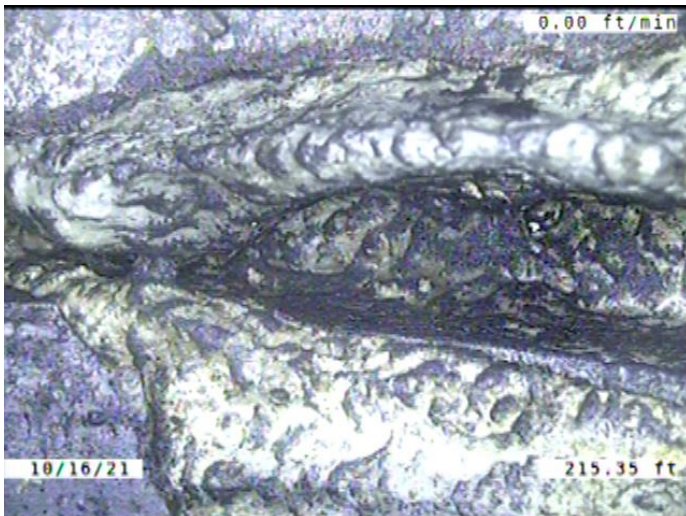
Code: **TFD**  
 Description: **Tap Factory Defective**

Distance (ft): **212.2**  
 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: **LEAKING AROUND THE CAP.  
 ENCRUSTATION AROUND THE CAP**



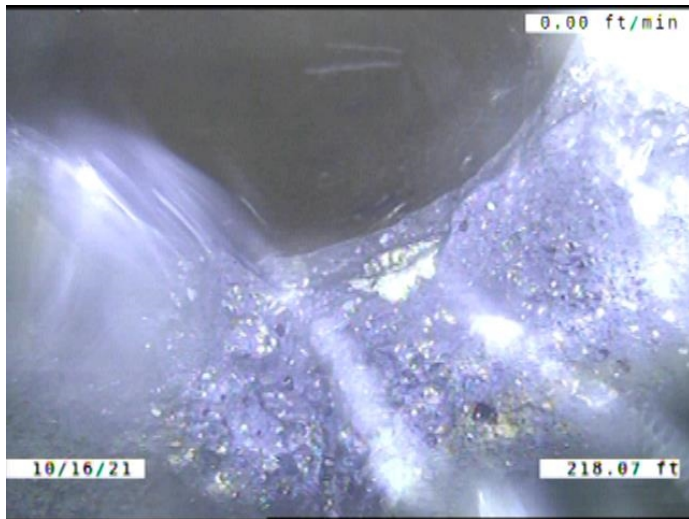
Code: **MWLS**  
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **213.6**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **20.000**  
 Continuous Index: **F08**  
 Within 8" of Joint: **NO**  
 Remarks:



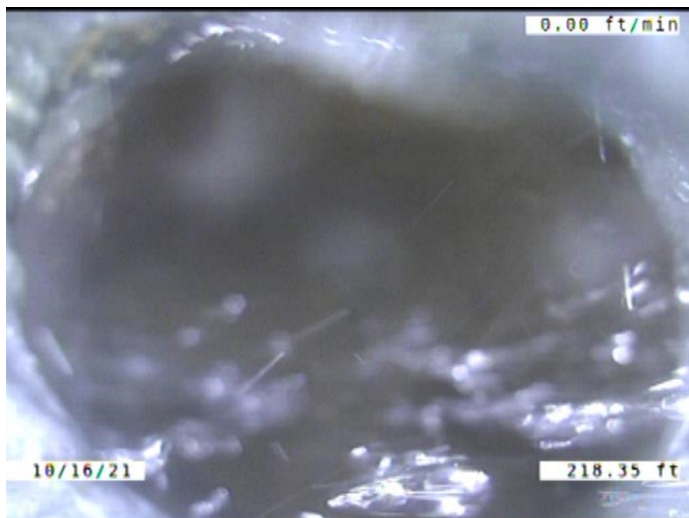
Code: **DAE**  
 Description: **Deposits Attached Encrustation**

Distance (ft): **215.4**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **8**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index: **S10**  
 Within 8" of Joint: **YES**  
 Remarks:



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

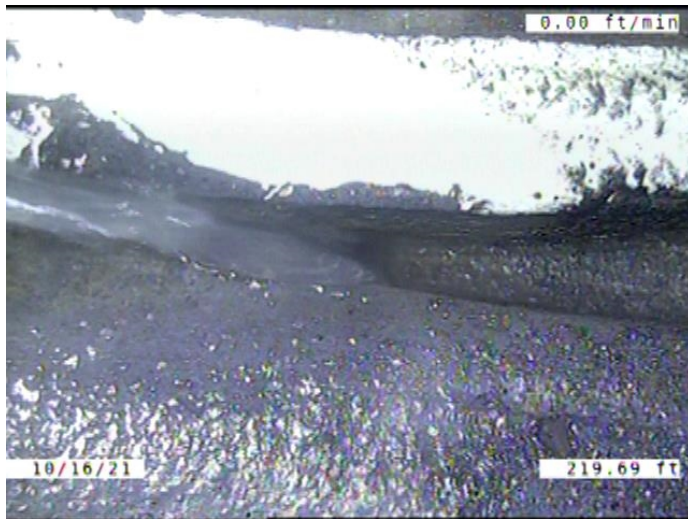
Distance (ft): **218.1**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From: **11**  
 Clock To: **1**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **218.3**  
 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: **Defective**

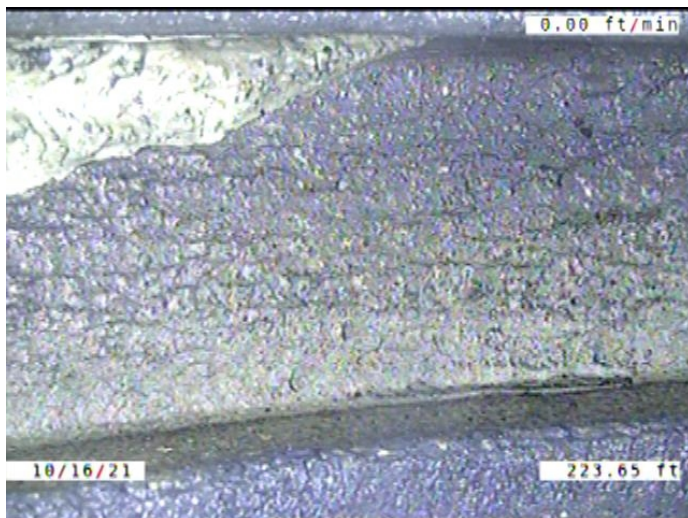




Code: **IGJ**  
 Description: **Infiltration Gusher Joint**

Distance (ft): **219.7**  
 Structural Grade: **0**  
 O&M Grade: **5**  
 Clock Start/From: **8**  
 Clock To: **10**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:

---



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

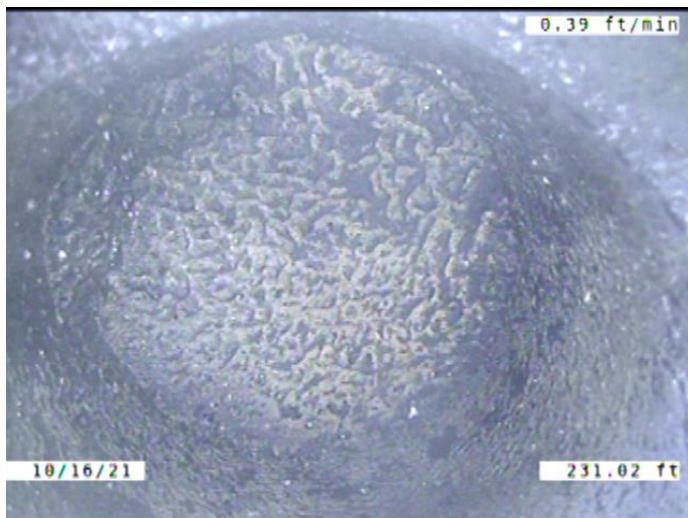
Distance (ft): **223.6**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:

---



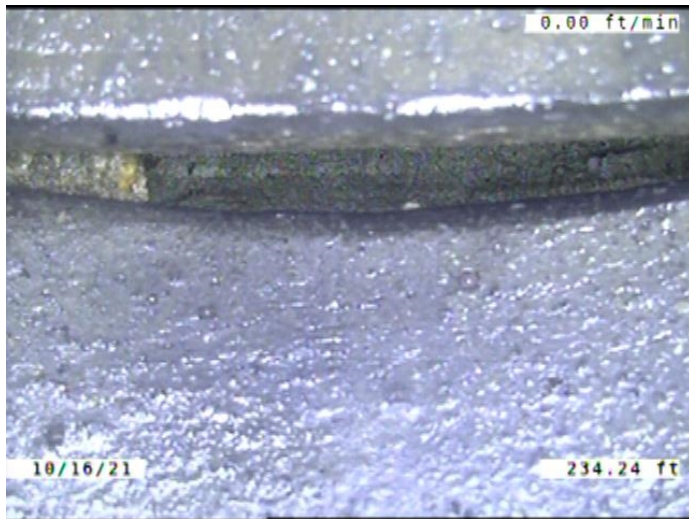
Code: **DAE**  
 Description: **Deposits Attached Encrustation**

Distance (ft): **227.0**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **8**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index: **F10**  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **231.0**  
 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: **JAL**  
 Description: **Joint Angular Large**

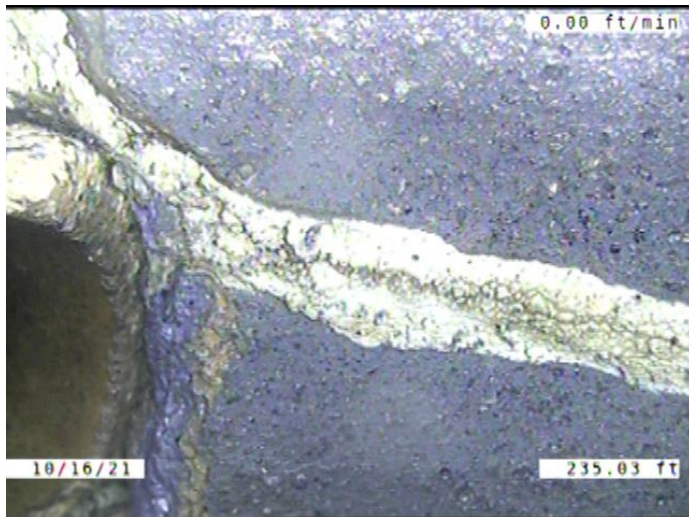
Distance (ft): **234.2**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks: **SOIL VISIBLE**



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

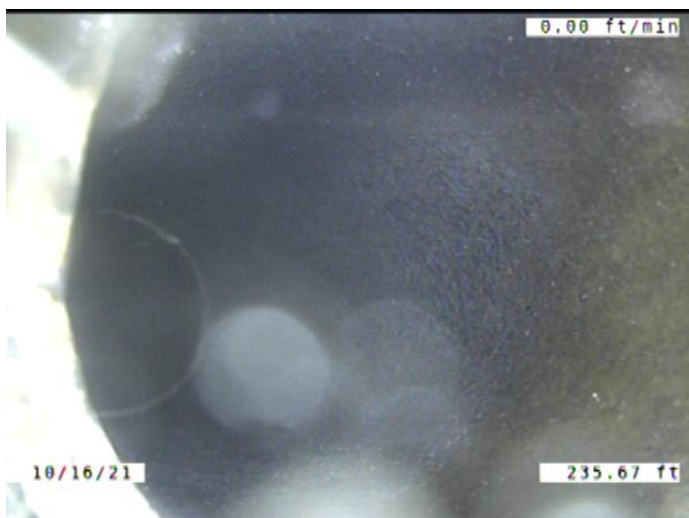
Distance (ft): **234.2**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **8**  
 Clock To: **3**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:





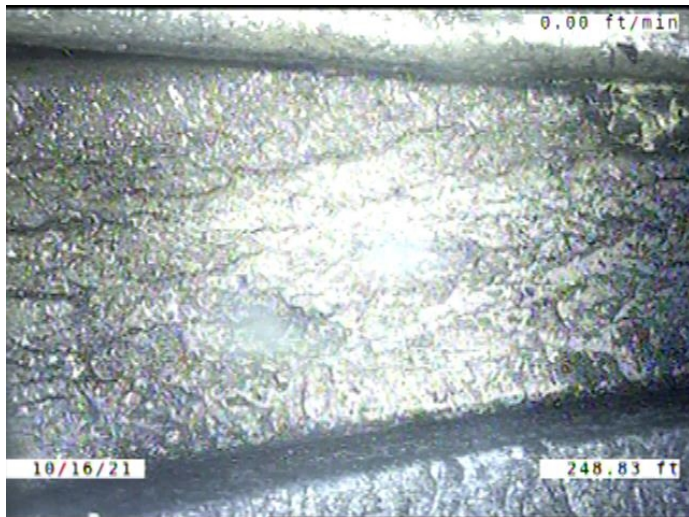
Code: **DAE**  
 Description: **Deposits Attached Encrustation**

Distance (ft): **235.0**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **9**  
 Clock To: **2**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:



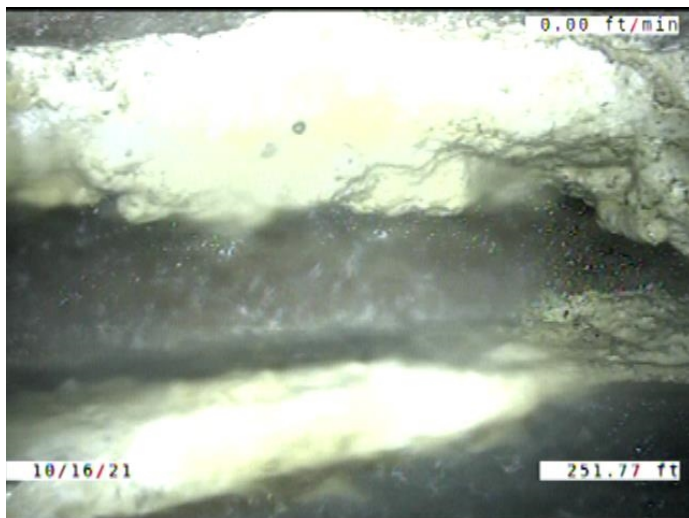
Code: **TBI**  
 Description: **Tap Break-in Intruding**

Distance (ft): **235.7**  
 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**



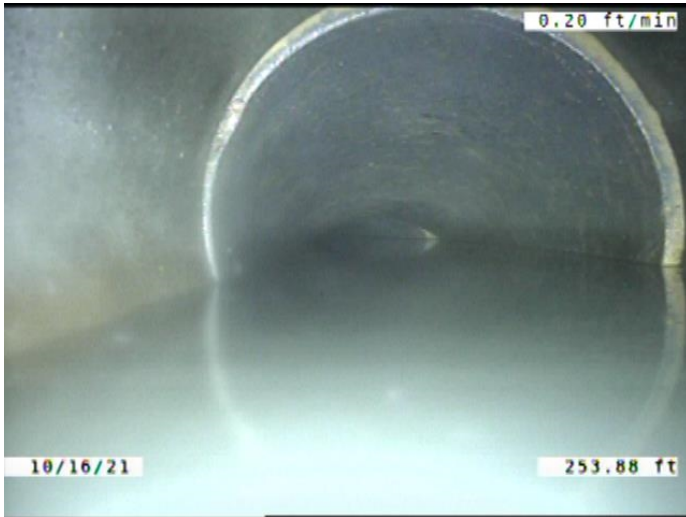
Code: **JAL**  
 Description: **Joint Angular Large**

Distance (ft): **248.8**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:



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

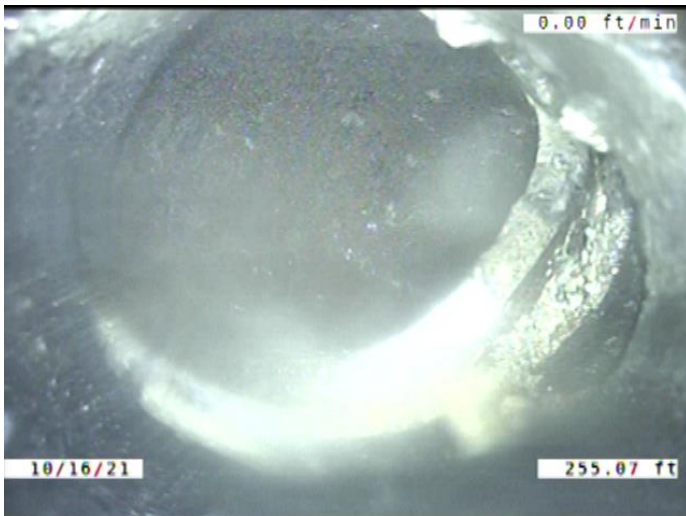
Distance (ft): **251.8**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **8**  
 Clock To: **3**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **253.9**  
 Structural Grade: **5**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **80.000**  
 Continuous Index: **S11**  
 Within 8" of Joint: **NO**  
 Remarks:

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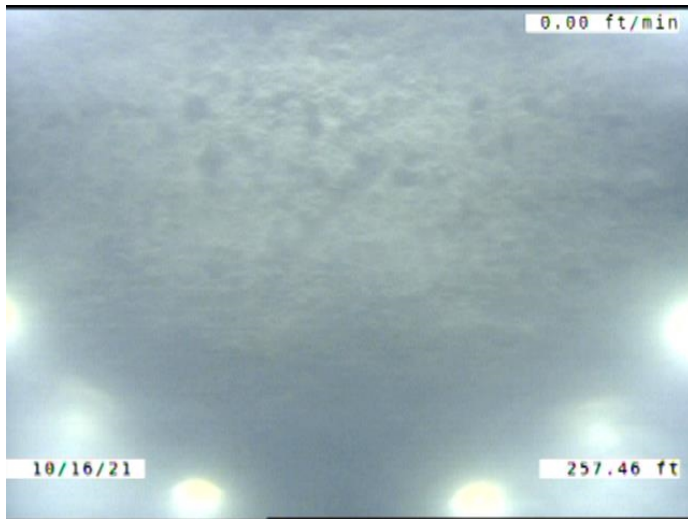


Code: **TFD**  
 Description: **Tap Factory Defective**

Distance (ft): **255.1**  
 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: **Defective**

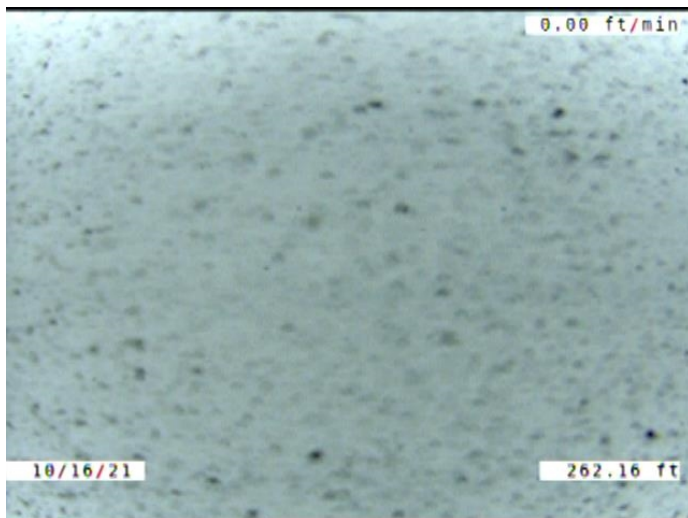
---





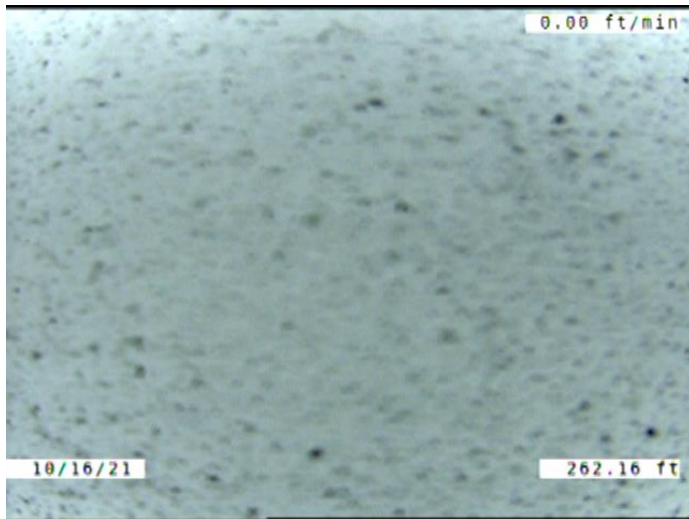
Code:	<b>MCU</b>
Description:	<b>Miscellaneous Camera Underwater</b>
Distance (ft):	<b>257.5</b>
Structural Grade:	<b>0</b>
O&M Grade:	<b>4</b>
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	<b>S12</b>
Within 8" of Joint:	<b>NO</b>
Remarks:	

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Code:	<b>DSF</b>
Description:	<b>Deposits Settled Fine</b>
Distance (ft):	<b>262.2</b>
Structural Grade:	<b>0</b>
O&M Grade:	<b>2</b>
Clock Start/From:	<b>5</b>
Clock To:	<b>7</b>
1st Value:	
2nd Value:	
Value Percent:	<b>5.000</b>
Continuous Index:	<b>F02</b>
Within 8" of Joint:	<b>YES</b>
Remarks:	

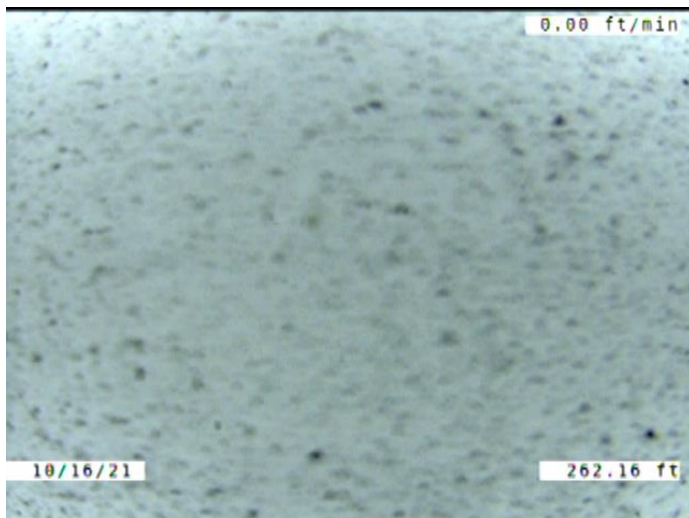
---



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

Distance (ft): **262.2**  
Structural Grade: **3**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **F05**  
Within 8" of Joint: **NO**  
Remarks:

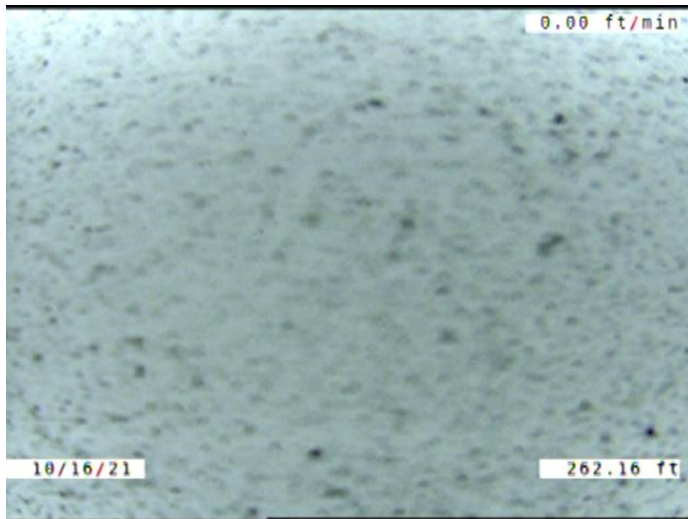
---



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

Distance (ft): **262.2**  
Structural Grade: **5**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **80.000**  
Continuous Index: **F11**  
Within 8" of Joint: **NO**  
Remarks:

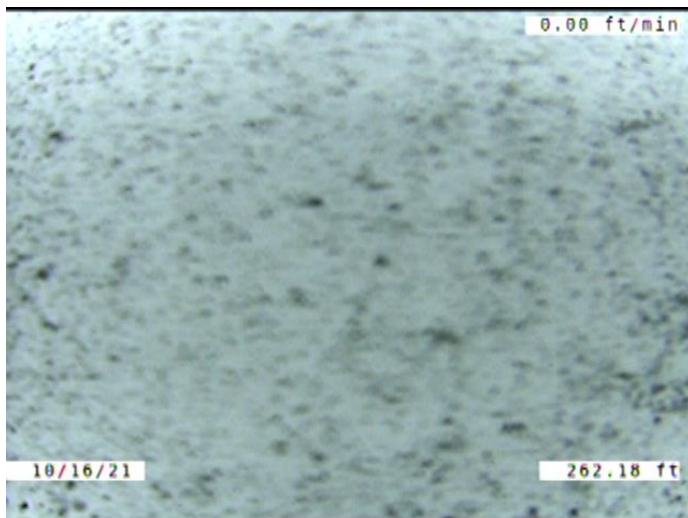
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Code: **MCU**  
Description: **Miscellaneous Camera Underwater**

Distance (ft): **262.2**  
Structural Grade: **0**  
O&M Grade: **4**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **F12**  
Within 8" of Joint: **NO**  
Remarks:

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Code: **MSA**  
Description: **Miscellaneous Survey Abandoned**

Distance (ft): **262.2**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks: **CAMERA CANT SEE ANYMORE.  
WATER NOT CLEAR ENOUGH TO CO**