

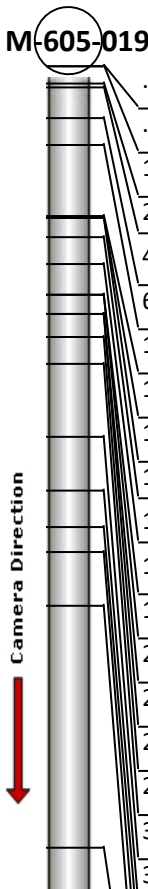
# Profile/Photo Observation Report



Date:	11/16/2021	Weather:		Coding:	PACP 7.0
Pipe Length (ft):	167.8	Owner:	City of Hobart	Pre Clean:	Light Cleaning
P.O.#:	YES502259	Surveyor:	S. Bucklin	PSR:	P-605-019-072
Customer:	City of Hobart	Clean Date:	11/16/2021	Shape:	C

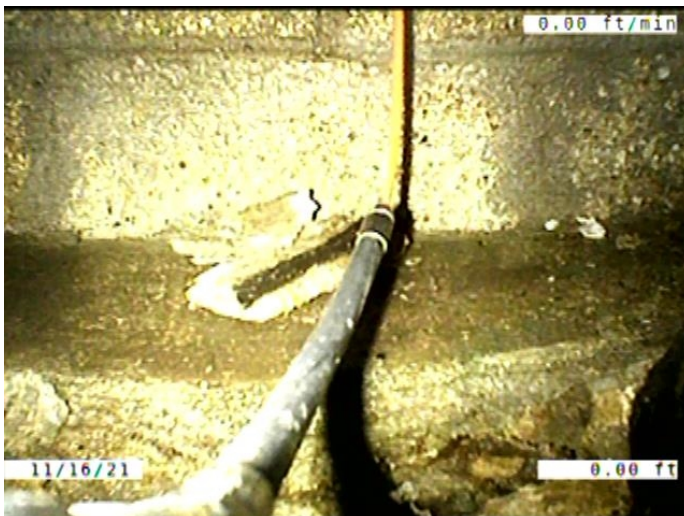
Street:	Court Street	Flow Control:	Not Controlled
City:	Hobart, IN	Year Renewed:	
Location:	Local rural streets with light traffic, t	Tape/Media #:	
Purpose:	Routine Assessment	Dia/Height:	10"
Use:	Sanitary Sewage Pipe	Material:	VCP
Drain Area:		Lining:	None
Category:	NA		
Comment:			
Location Details:		Direction of Survey:	Upstream
US MH:	M-605-072	DS MH:	M-605-019
		Total Length Surveyed (ft):	167.8

O&M Index:	2.04	O&M Quick:	332K	O&M Rating:	137.00
Structural Index:	2.93	Structural Quick:	463B	Structural Rating:	85.00
Overall Index:	2.31	Overall Quick:	463B	Overall Rating:	222.00

Position	Code	Observation	Video (sec)	Grade
				
.0	AMH	Manhole	1	NA
.0	MWL	Miscellaneous Water Level	10	NA
1.5	MGO	Miscellaneous General Observation	20	NA
2.4	CM	Crack Multiple	98	S 3
4.3	FM	Fracture Multiple	163	S 4
6.5	CM	Crack Multiple	239	S 3
12.3	CM	Crack Multiple	309	S 3
12.5	DAE	Deposits Attached Encrustation	323	M 2
12.5	DAE	Deposits Attached Encrustation	346	M 2
14.7	CM	Crack Multiple	393	S 3
17.0	DAE	Deposits Attached Encrustation	446	M 2
18.8	DAE	Deposits Attached Encrustation	494	M 2
18.8	DAE	Deposits Attached Encrustation	516	M 2
20.5	DAE(S02)	Deposits Attached Encrustation	559	M 2
20.5	DAE(S01)	Deposits Attached Encrustation	590	M 2
22.3	MWLS	Miscellaneous Water Level Sag	622	S 2
24.6	CM	Crack Multiple	663	S 3
30.6	FM	Fracture Multiple	743	S 4
35.1	FM	Fracture Multiple	841	S 4

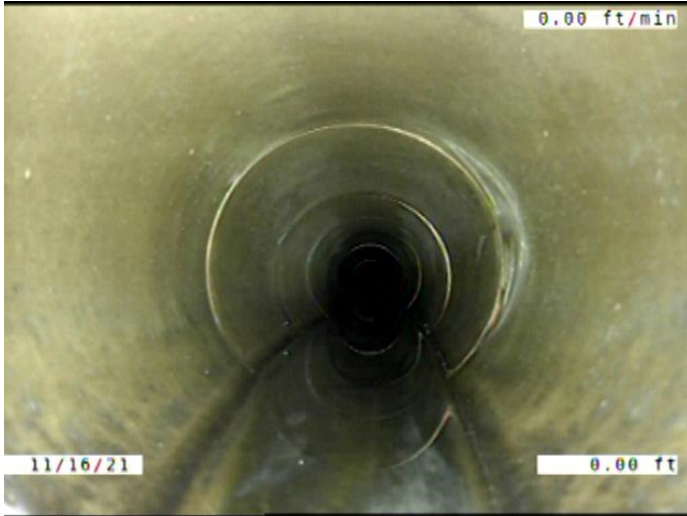
38.7	CL	Crack Longitudinal	900	S 2
40.7	CL	Crack Longitudinal	938	S 2
44.5	CM	Crack Multiple	1025	S 3
64.5	CM	Crack Multiple	1219	S 3
74.9	CM	Crack Multiple	1323	S 3
90.4	CL	Crack Longitudinal	1433	S 2
94.5	CL	Crack Longitudinal	1484	S 2
101.6	MWLS	Miscellaneous Water Level Sag	1531	S 2
102.8	TFD	Tap Factory Defective	1553	M 3
103.3	CM	Crack Multiple	1581	S 3
109.3	CM	Crack Multiple	1654	S 3
119.4	CM	Crack Multiple	1728	S 3
119.4	CM	Crack Multiple	1767	S 3
125.0	CL	Crack Longitudinal	1828	S 2
125.0	CL	Crack Longitudinal	1855	S 2
135.4	FL	Fracture Longitudinal	1945	S 3
139.3	FM	Fracture Multiple	2002	S 4
144.9	CM	Crack Multiple	2069	S 3
152.4	B	Broken	2171	S 4
153.0	IDB	Infiltration Dripper Barrel	2189	M 3
153.0	DR	Deformed Rigid	2201	S 4
154.3	TBD	Tap Break-in/Hammer Defective	2251	M 3
165.1	CM	Crack Multiple	2392	S 3
166.5	DSC	Deposits Settled Hard/Compacted	2428	M 2
167.8	DAE(F02)	Deposits Attached Encrustation	2518	M 2
167.8	DAE(F01)	Deposits Attached Encrustation	2527	M 2
167.8	AMH	Manhole	2544	NA

**M-605-072**



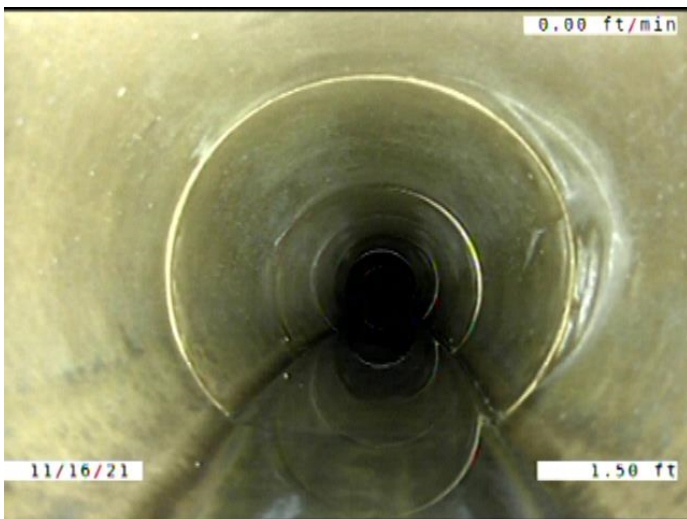
Code: **AMH**  
Description: **Manhole**

Distance (ft): **.0**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks: **M-605-019**



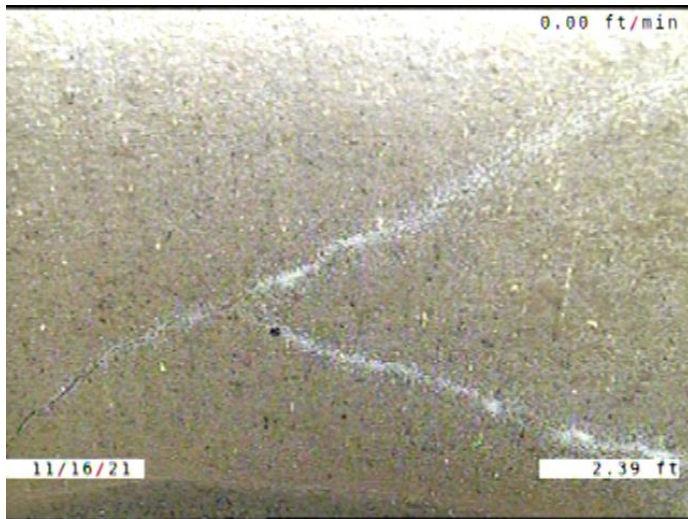
Code: **MWL**  
Description: **Miscellaneous Water Level**

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:



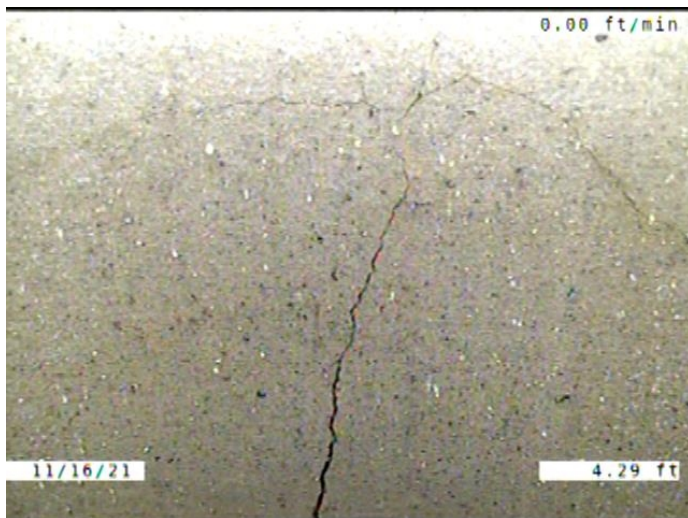
Code: **MGO**  
Description: **Miscellaneous General Observation**

Distance (ft): **1.5**  
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: **DROP INTO THE MANHOLE. HAD TO START IN THE PIPE.**



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

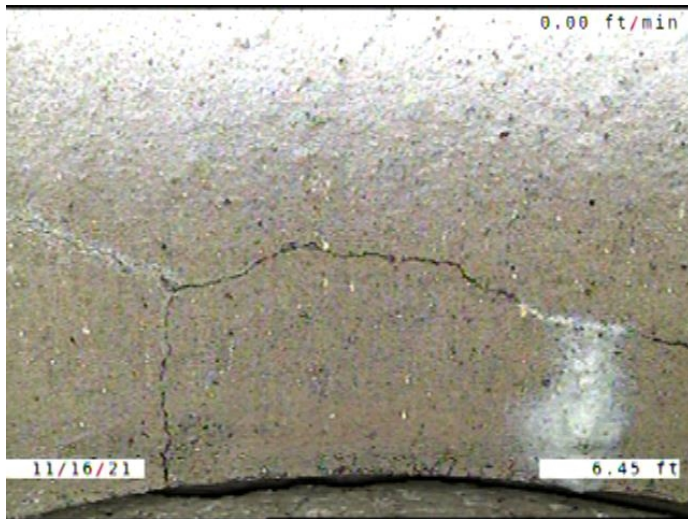
Distance (ft): **2.4**  
Structural Grade: **3**  
O&M Grade: **0**  
Clock Start/From: **10**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:



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

Distance (ft): **4.3**  
Structural Grade: **4**  
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:

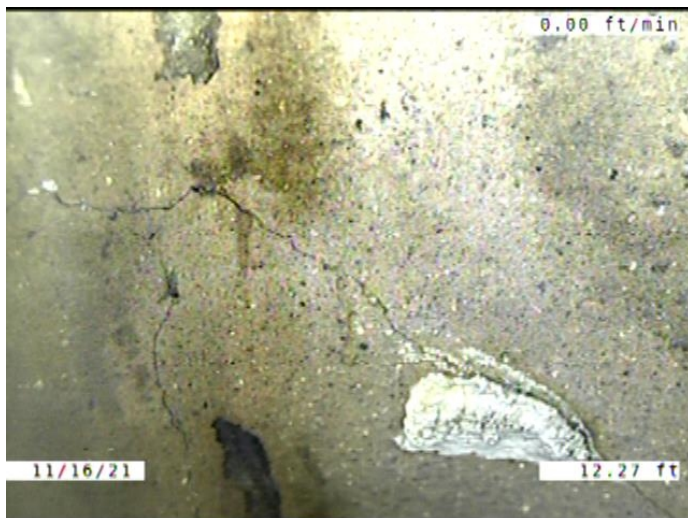




Code: **CM**  
Description: **Crack Multiple**

Distance (ft): **6.5**  
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:

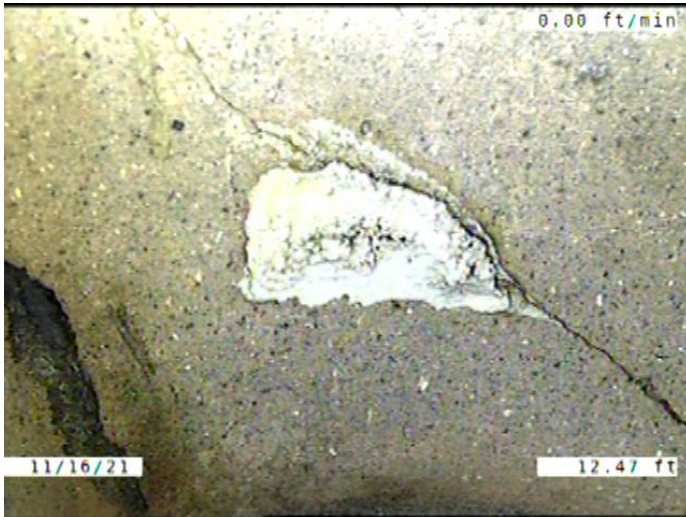
---



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

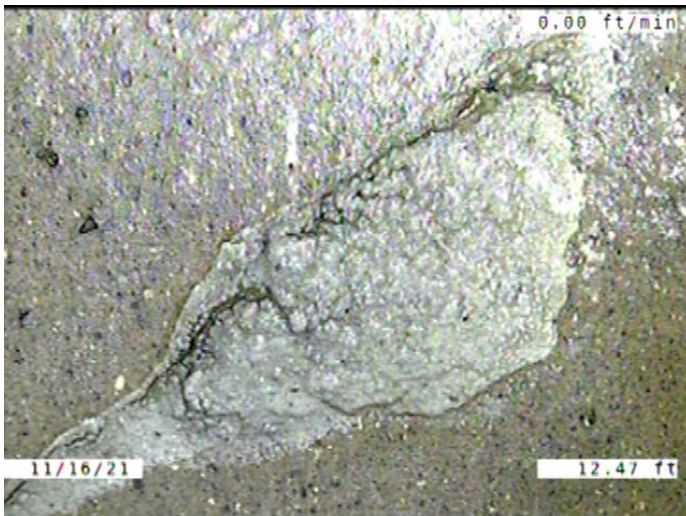
Distance (ft): **12.3**  
Structural Grade: **3**  
O&M Grade: **0**  
Clock Start/From: **2**  
Clock To: **10**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

---



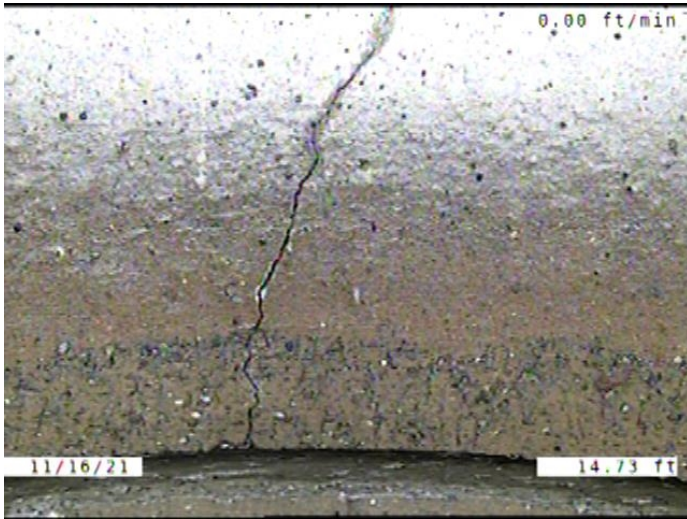
Code: **DAE**  
 Description: **Deposits Attached Encrustation**

Distance (ft): **12.5**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **8**  
 Clock To: **9**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:



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

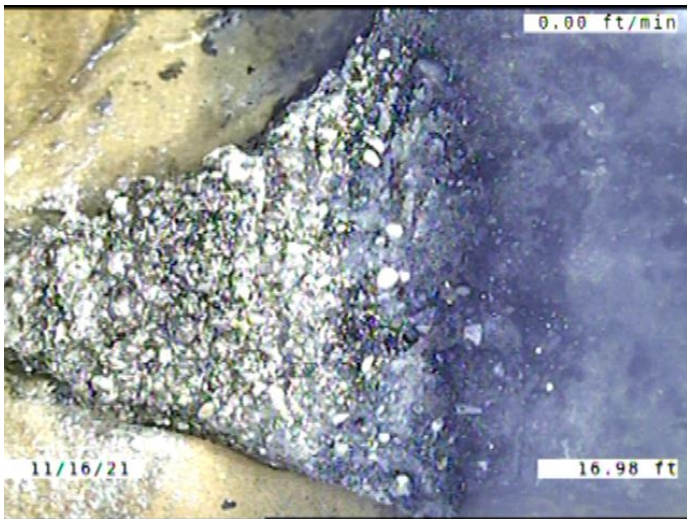
Distance (ft): **12.5**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **3**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **14.7**  
Structural Grade: **3**  
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:

---

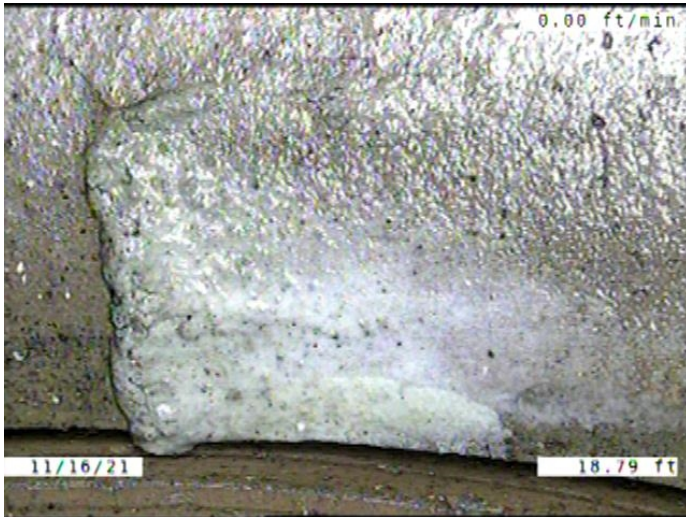


Code: **DAE**  
Description: **Deposits Attached Encrustation**

Distance (ft): **17.0**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **3**  
Clock To: **9**  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

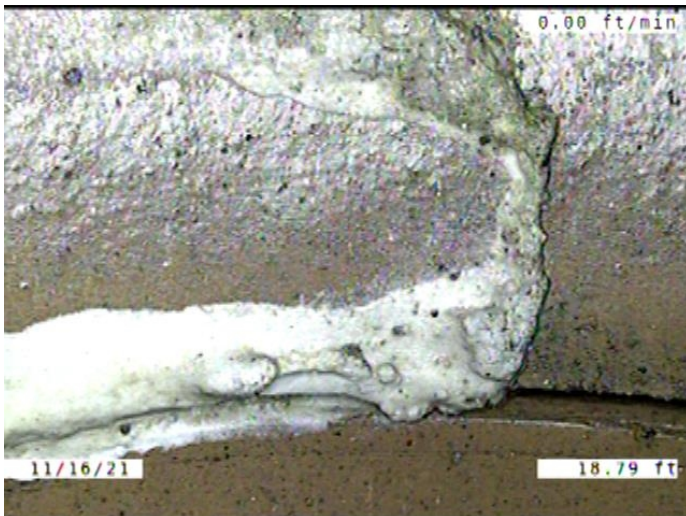
---





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

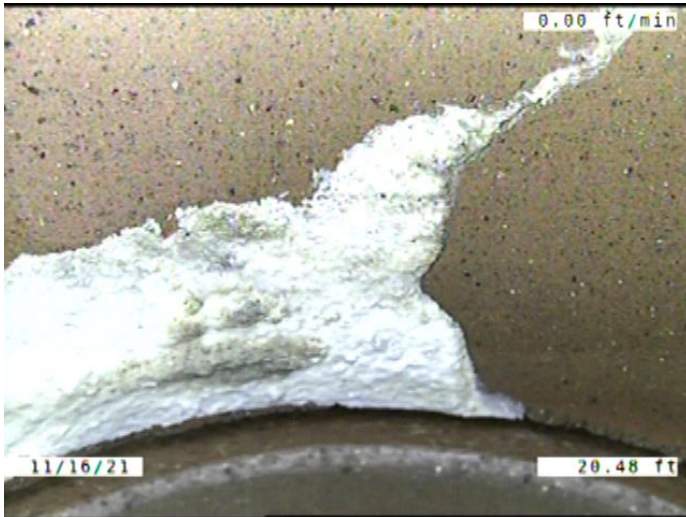
Distance (ft): **18.8**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **1**  
 Clock To: **3**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

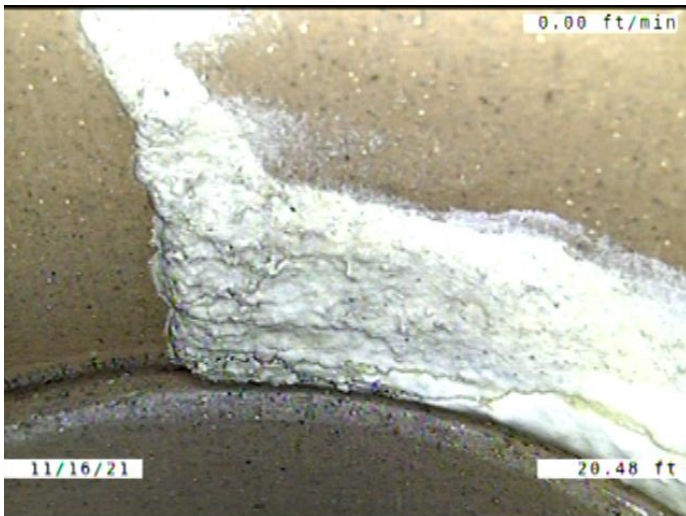
Distance (ft): **18.8**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **9**  
 Clock To: **11**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:





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

Distance (ft): **20.5**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **8**  
 Clock To: **12**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index: **S02**  
 Within 8" of Joint: **YES**  
 Remarks:



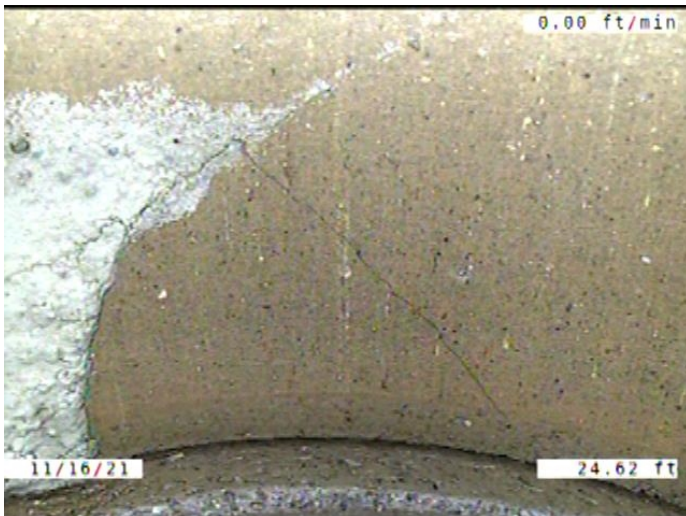
Code: **DAE**  
 Description: **Deposits Attached Encrustation**

Distance (ft): **20.5**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **1**  
 Clock To: **5**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index: **S01**  
 Within 8" of Joint: **YES**  
 Remarks:



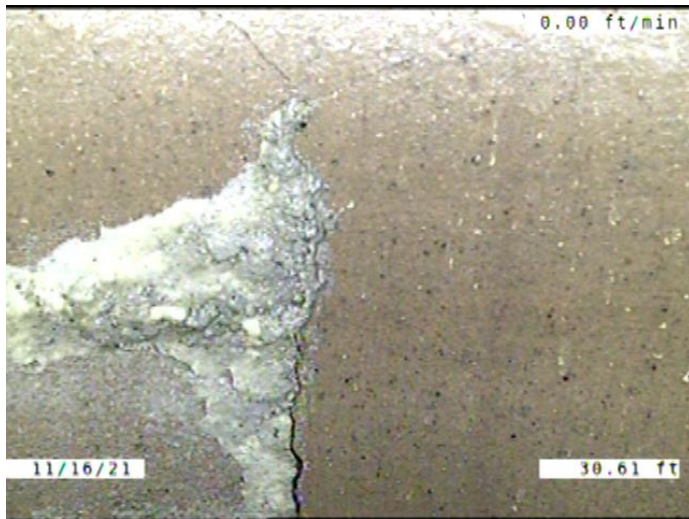
Code: **MWLS**  
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **22.3**  
 Structural Grade: **2**  
 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:



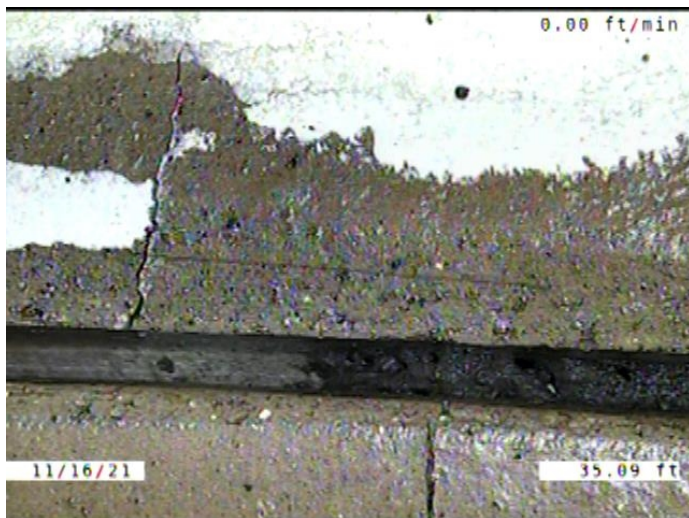
Code: **CM**  
 Description: **Crack Multiple**

Distance (ft): **24.6**  
 Structural Grade: **3**  
 O&M Grade: **0**  
 Clock Start/From: **11**  
 Clock To: **12**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

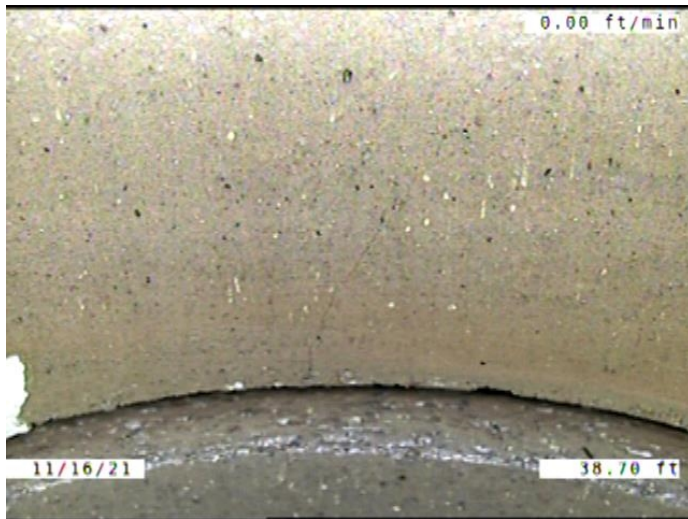
Distance (ft): **30.6**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **10**  
 Clock To: **2**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

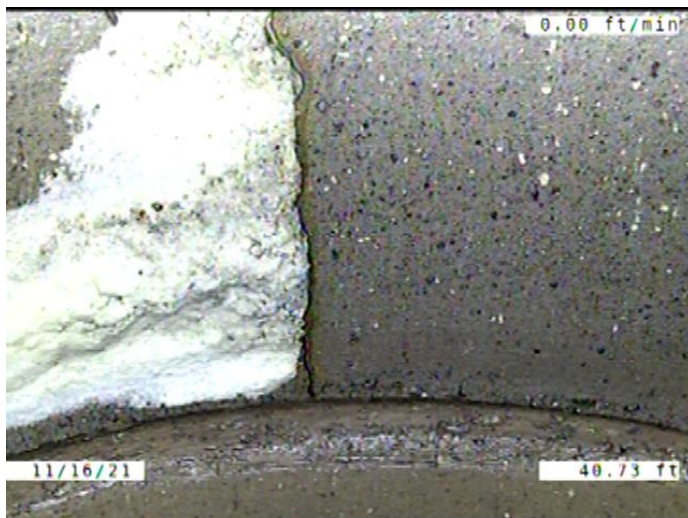
Distance (ft): **35.1**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **1**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:





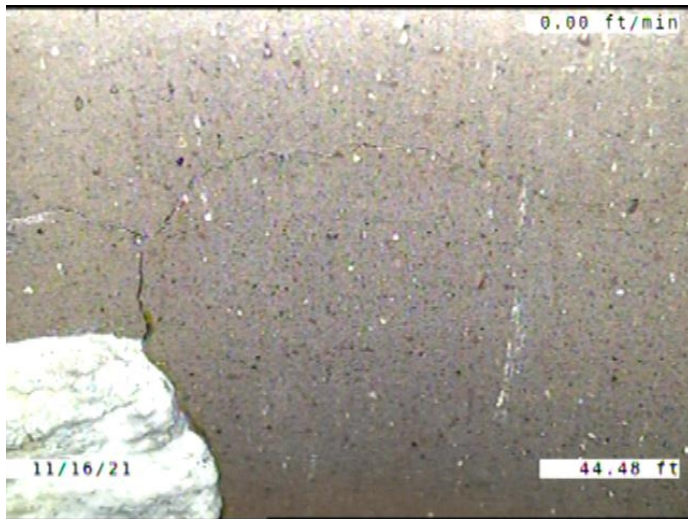
Code: **CL**  
 Description: **Crack Longitudinal**

Distance (ft): **38.7**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From: **12**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



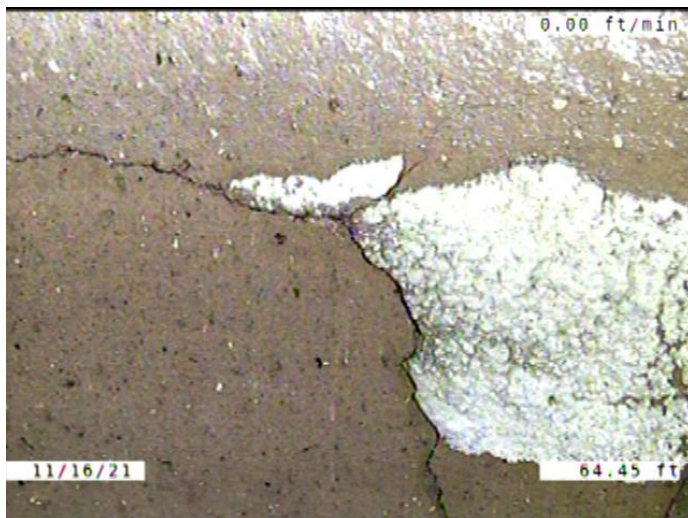
Code: **CL**  
 Description: **Crack Longitudinal**

Distance (ft): **40.7**  
 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: **NO**  
 Remarks:



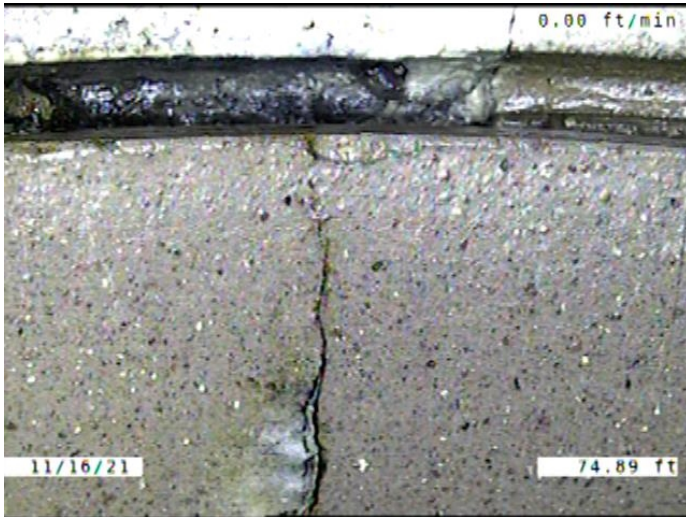
Code: **CM**  
 Description: **Crack Multiple**

Distance (ft): **44.5**  
 Structural Grade: **3**  
 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: **CM**  
 Description: **Crack Multiple**

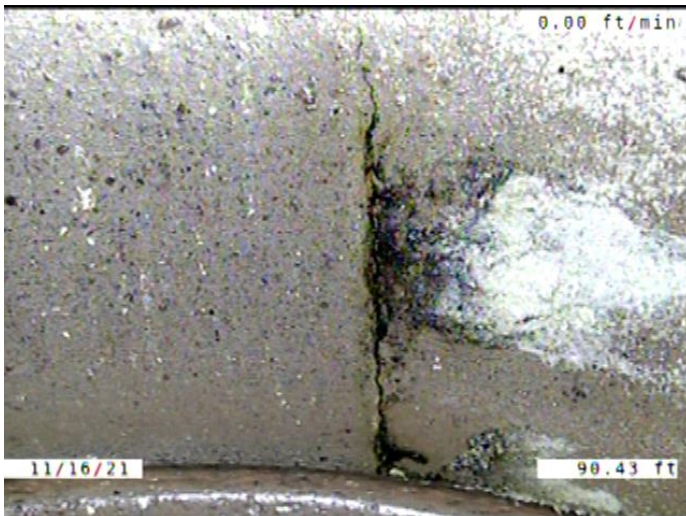
Distance (ft): **64.5**  
 Structural Grade: **3**  
 O&M Grade: **0**  
 Clock Start/From: **11**  
 Clock To: **5**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **74.9**  
Structural Grade: **3**  
O&M Grade: **0**  
Clock Start/From: **10**  
Clock To: **11**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

---

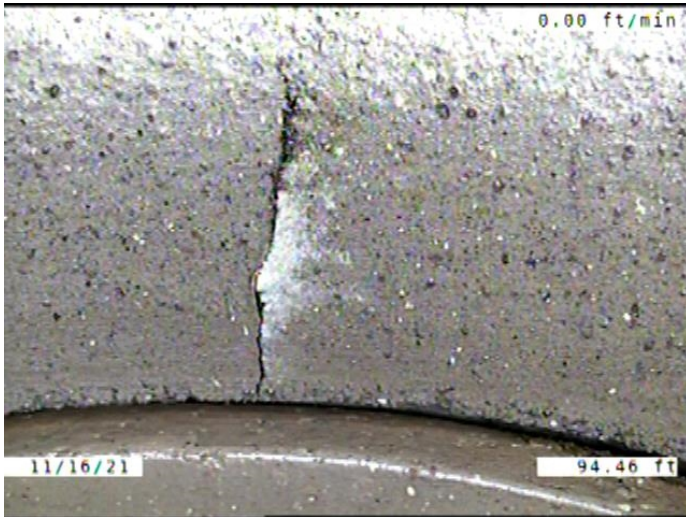


Code: **CL**  
Description: **Crack Longitudinal**

Distance (ft): **90.4**  
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:

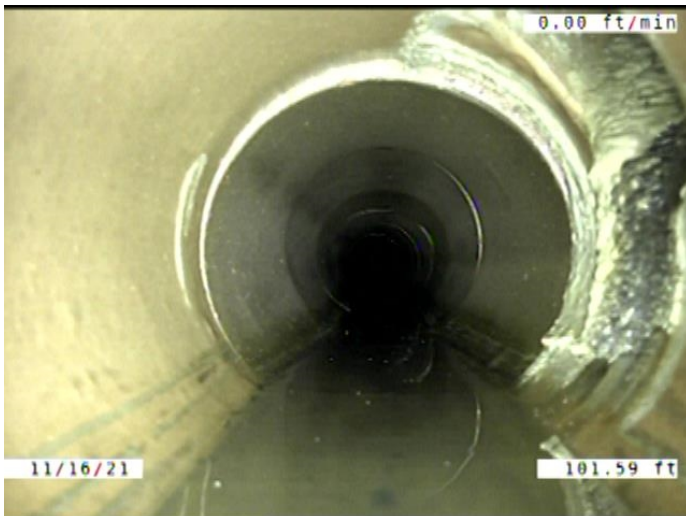
---





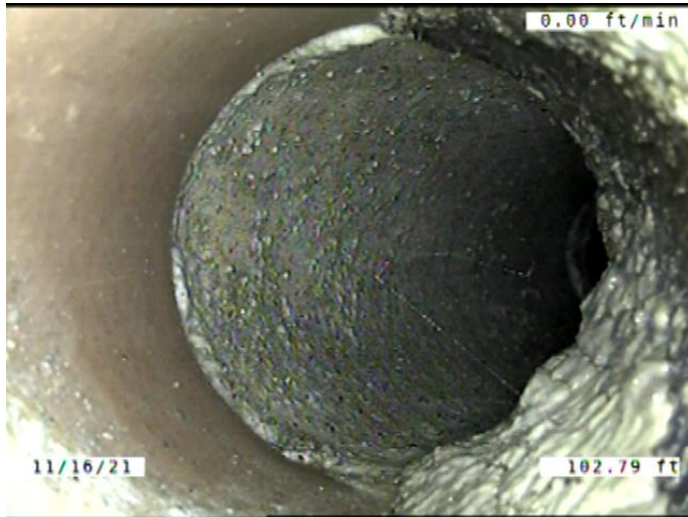
Code: **CL**  
 Description: **Crack Longitudinal**

Distance (ft): **94.5**  
 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:

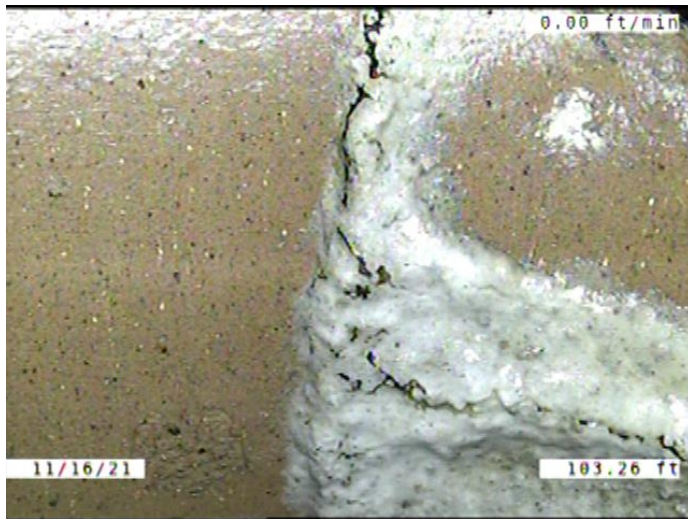


Code: **MWLS**  
 Description: **Miscellaneous Water Level Sag**

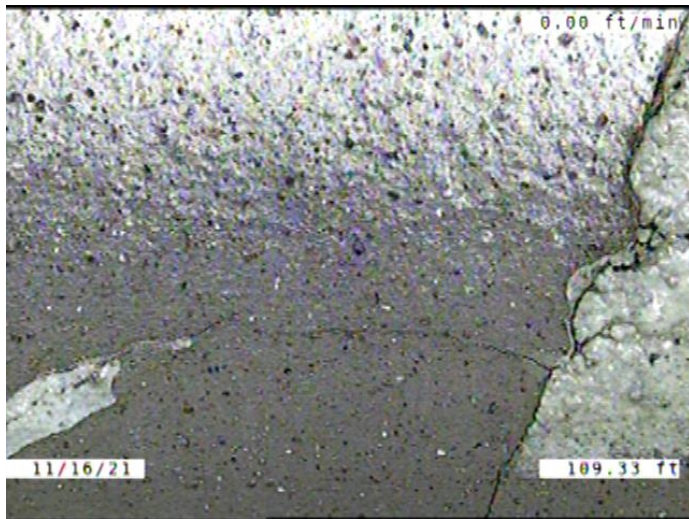
Distance (ft): **101.6**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:



Code:	<b>TFD</b>
Description:	<b>Tap Factory Defective</b>
Distance (ft):	<b>102.8</b>
Structural Grade:	<b>0</b>
O&M Grade:	<b>3</b>
Clock Start/From:	<b>1</b>
Clock To:	
1st Value:	<b>4.000</b>
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	<b>YES</b>
Remarks:	<b>ENCRUSTATION IN THE TAP AND COMING INTO THE MAIN</b>

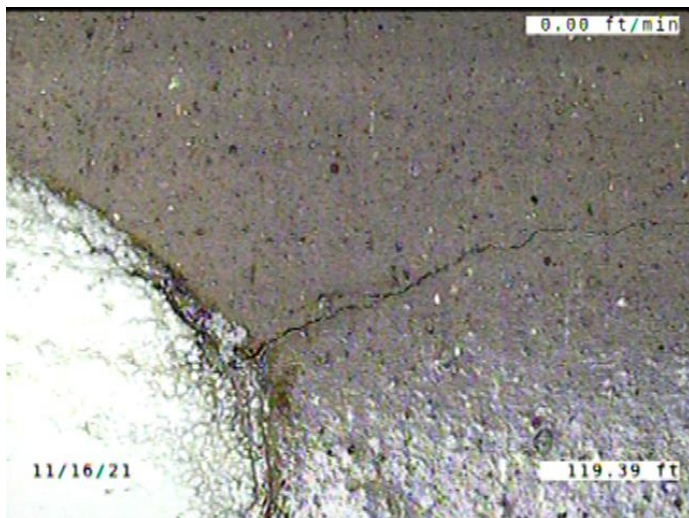


Code:	<b>CM</b>
Description:	<b>Crack Multiple</b>
Distance (ft):	<b>103.3</b>
Structural Grade:	<b>3</b>
O&M Grade:	<b>0</b>
Clock Start/From:	<b>12</b>
Clock To:	<b>3</b>
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	<b>YES</b>
Remarks:	



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

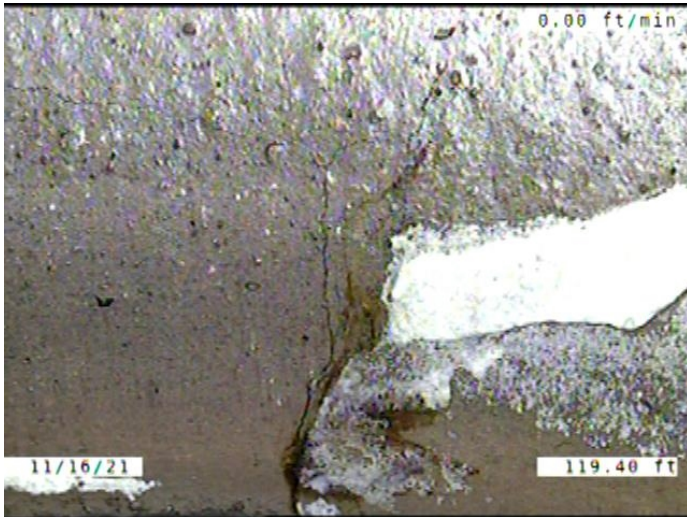
Distance (ft): **109.3**  
 Structural Grade: **3**  
 O&M Grade: **0**  
 Clock Start/From: **11**  
 Clock To: **1**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **119.4**  
 Structural Grade: **3**  
 O&M Grade: **0**  
 Clock Start/From: **10**  
 Clock To: **11**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:

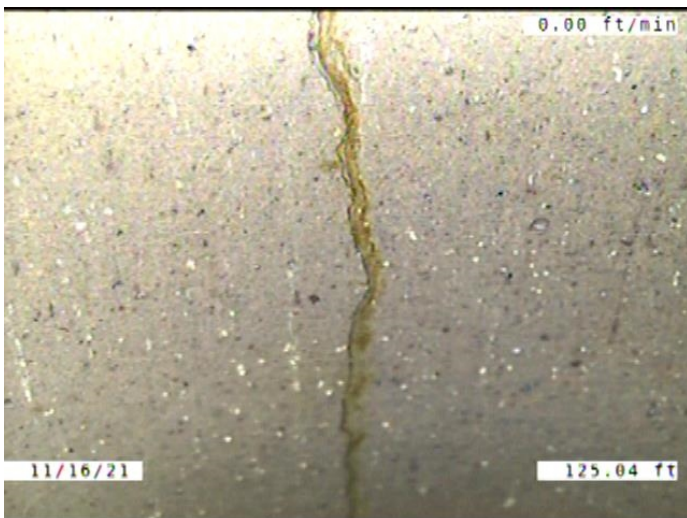




Code: **CM**  
Description: **Crack Multiple**

Distance (ft): **119.4**  
Structural Grade: **3**  
O&M Grade: **0**  
Clock Start/From: **1**  
Clock To: **3**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

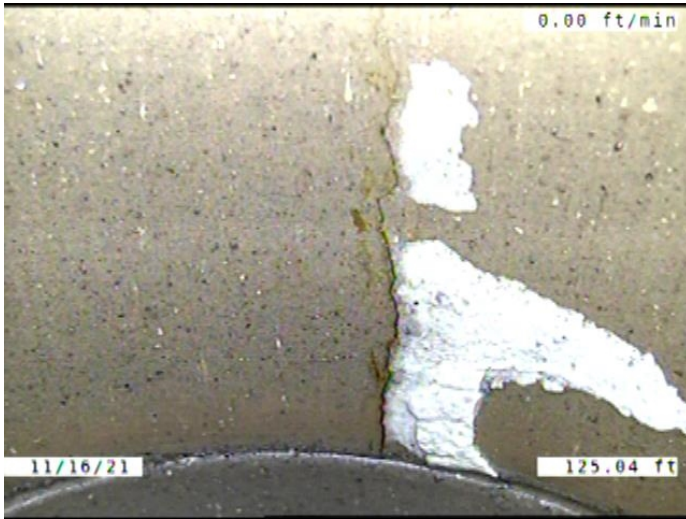
---



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

Distance (ft): **125.0**  
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:

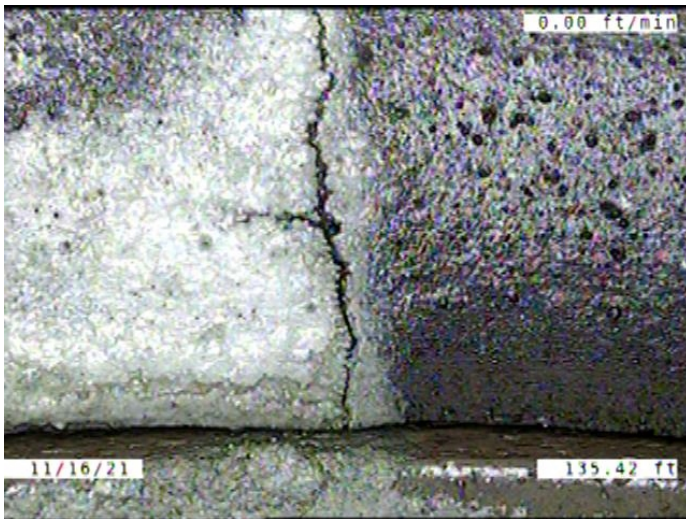
---



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

Distance (ft): **125.0**  
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:

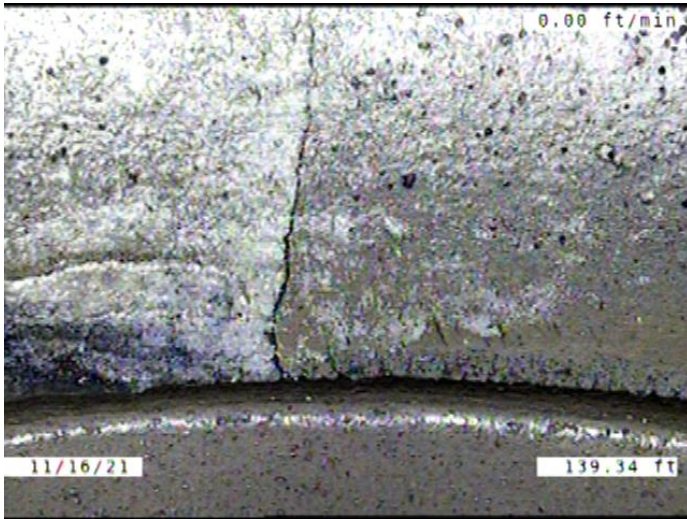
---



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

Distance (ft): **135.4**  
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: **YES**  
Remarks:

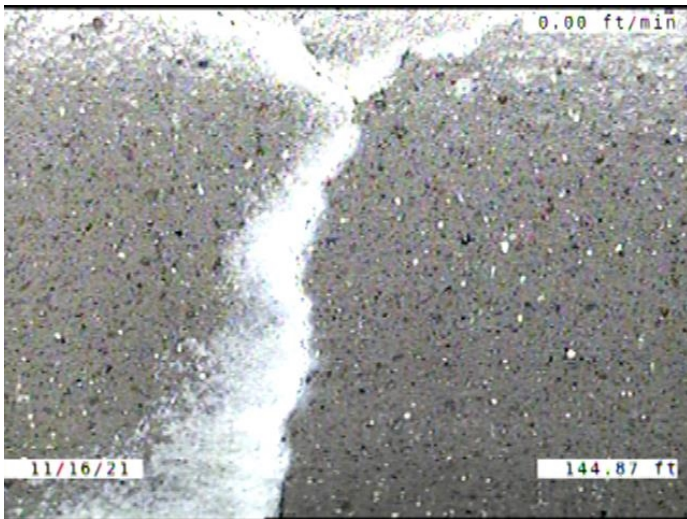
---



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

Distance (ft): **139.3**  
Structural Grade: **4**  
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:

---

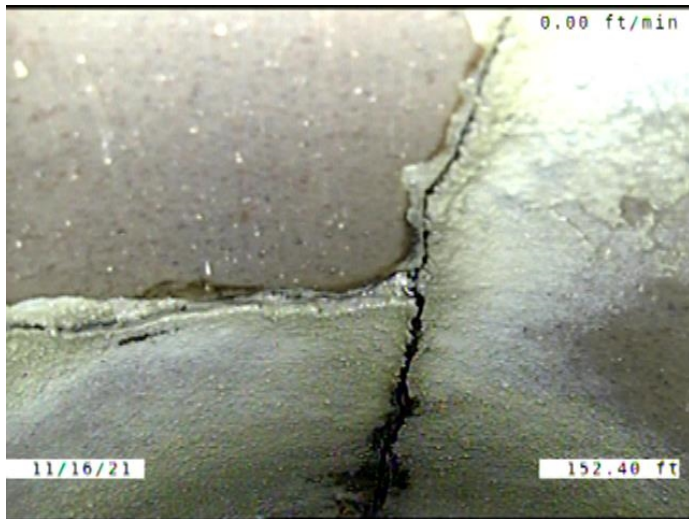


Code: **CM**  
Description: **Crack Multiple**

Distance (ft): **144.9**  
Structural Grade: **3**  
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:

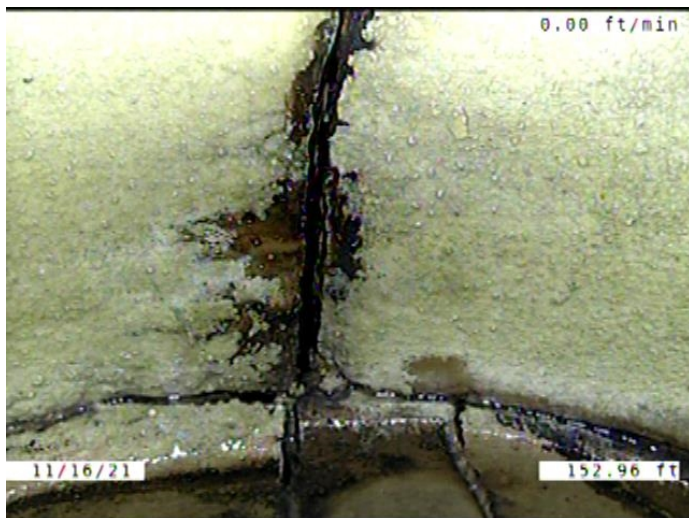
---





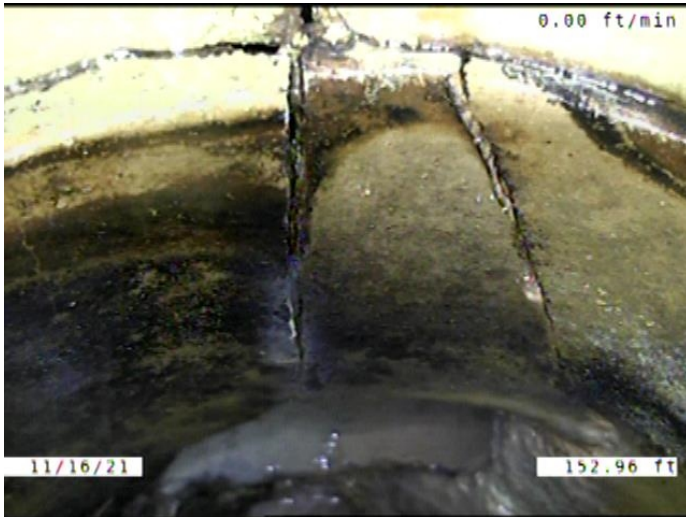
Code: **B**  
Description: **Broken**

Distance (ft): **152.4**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **12**  
Clock To: **12**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:



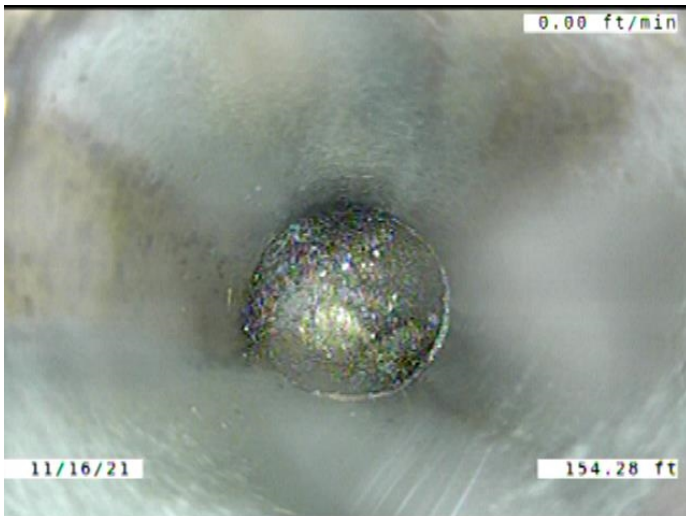
Code: **IDB**  
Description: **Infiltration Dripper Barrel**

Distance (ft): **153.0**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **12**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:



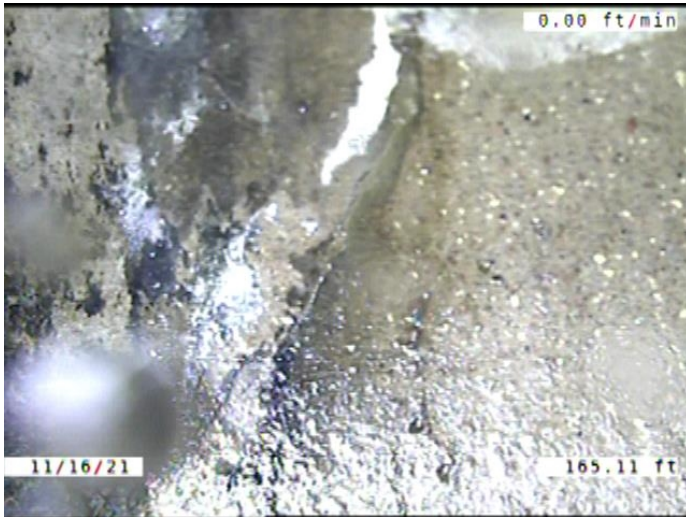
Code: **DR**  
 Description: **Deformed Rigid**

Distance (ft): **153.0**  
 Structural Grade: **4**  
 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:



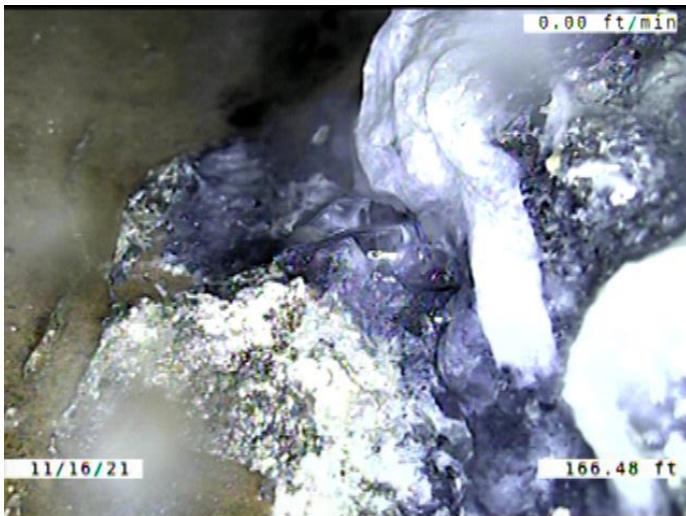
Code: **TBD**  
 Description: **Tap Break-in/Hammer Defective**

Distance (ft): **154.3**  
 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.  
 LOOKS TO BE 95% PLUGGED WITH R**



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

Distance (ft): **165.1**  
 Structural Grade: **3**  
 O&M Grade: **0**  
 Clock Start/From: **4**  
 Clock To: **5**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



Code: **DSC**  
 Description: **Deposits Settled Hard/Compacted**

Distance (ft): **166.5**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **5**  
 Clock To: **7**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:

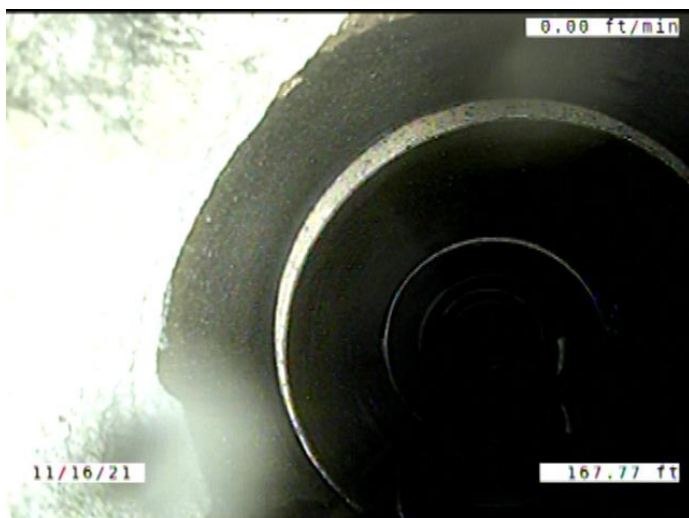




Code: **DAE**  
Description: **Deposits Attached Encrustation**

Distance (ft): **167.8**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **8**  
Clock To: **12**  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index: **F02**  
Within 8" of Joint: **YES**  
Remarks:

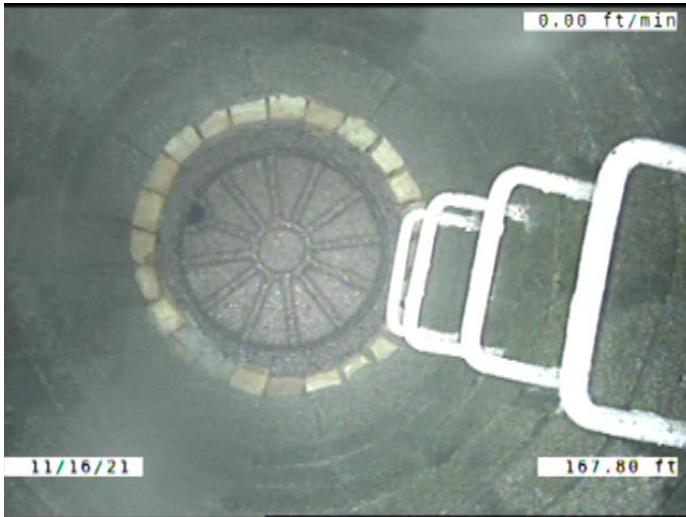
---



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

Distance (ft): **167.8**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **1**  
Clock To: **5**  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index: **F01**  
Within 8" of Joint: **YES**  
Remarks:

---



Code:	<b>AMH</b>
Description:	<b>Manhole</b>
Distance (ft):	<b>167.8</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-605-072</b>