

# Profile/Photo Observation Report



Date:	09/13/2021	Weather:		Coding:	PACP 7.0
Pipe Length (ft):	311.0	Owner:	City of Hobart	Pre Clean:	Light Cleaning
P.O.#:	YES502259	Surveyor:	S. Bucklin	PSR:	P-504-059-058
Customer:	City of Hobart	Clean Date:	09/07/2021	Shape:	C

Street:	North Wilson Street	Flow Control:	Not Controlled
City:	Hobart, IN	Year Renewed:	
Location:		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:	Downstream
US MH:	M-504-058	DS MH:	M-504-059
		Total Length Surveyed (ft):	311.0

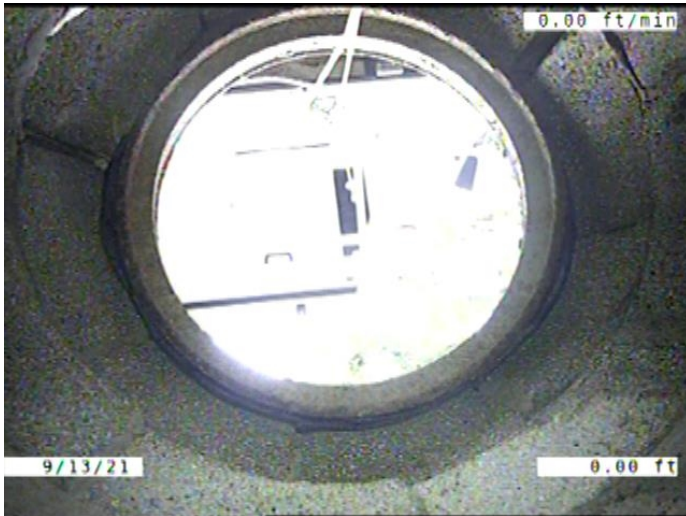
O&M Index:	2.05	O&M Quick:	4234	O&M Rating:	242.00
Structural Index:	2.90	Structural Quick:	524A	Structural Rating:	145.00
Overall Index:	2.30	Overall Quick:	524B	Overall Rating:	387.00

Position	Code	Observation	Video (sec)	Grade
M-504-058				
.0	AMH	Manhole	3	NA
.0	MWL	Miscellaneous Water Level	133	NA
.0	DSF(S01)	Deposits Settled Fine	141	M 2
3.0	JAM	Joint Angular Medium	317	S 3
4.7	TBI	Tap Break-in Intruding	424	M 2
18.8	FL	Fracture Longitudinal	579	S 3
18.8	FM	Fracture Multiple	619	S 4
21.8	B	Broken	762	S 4
21.8	HSV	Hole Soil Visible	801	S 5
21.9	HSV	Hole Soil Visible	713	S 5
21.9	IRB	Infiltration Runner Barrel	725	M 4
24.2	TBD	Tap Break-in/Hammer Defective	964	M 3
27.2	TBI	Tap Break-in Intruding	1050	M 2
28.0	FS	Fracture Spiral	1094	S 3
28.0	B	Broken	1132	S 4
34.3	FS	Fracture Spiral	1258	S 3
34.4	CL	Crack Longitudinal	1302	S 2
48.5	MWLS(S02)	Miscellaneous Water Level Sag	1405	S 2
54.9	CS	Crack Spiral	1480	S 2

54.9	CL	Crack Longitudinal	1508	S 2
56.6	MWLS(F02)	Miscellaneous Water Level Sag	1554	S 2
68.9	ISB	Infiltration Stain Barrel	1773	M 1
69.8	TBI	Tap Break-in Intruding	1804	M 2
76.5	CL	Crack Longitudinal	1896	S 2
76.5	ISB	Infiltration Stain Barrel	1901	M 1
76.5	CL	Crack Longitudinal	1925	S 2
81.2	DAE	Deposits Attached Encrustation	2028	M 2
82.0	TBI	Tap Break-in Intruding	2117	M 2
102.6	MWLS(S03)	Miscellaneous Water Level Sag	2295	S 2
113.2	B	Broken	2410	S 4
114.0	TBI	Tap Break-in Intruding	2471	M 2
122.3	FM	Fracture Multiple	2578	S 4
122.3	DAE	Deposits Attached Encrustation	2621	M 2
125.6	CM	Crack Multiple	2697	S 3
125.6	DAE	Deposits Attached Encrustation	2715	M 2
125.6	CM	Crack Multiple	2772	S 3
131.7	FM	Fracture Multiple	2915	S 4
132.2	MWLS(F03)	Miscellaneous Water Level Sag	3061	S 2
132.6	TBI	Tap Break-in Intruding	2989	M 2
141.8	DAE	Deposits Attached Encrustation	3153	M 2
145.1	DAE	Deposits Attached Encrustation	3223	M 2
145.1	CS	Crack Spiral	3252	S 2
147.1	CM	Crack Multiple	3336	S 3
147.8	DAE	Deposits Attached Encrustation	3371	M 2
147.8	CM	Crack Multiple	3438	S 3
150.9	MWLS(S04)	Miscellaneous Water Level Sag	3513	S 2
150.9	DAE(S05)	Deposits Attached Encrustation	3549	M 2
163.5	IWC	Infiltration Weeper Connection	3694	M 2
164.5	TFD	Tap Factory Defective	3753	M 3
181.8	IWC	Infiltration Weeper Connection	3999	M 2
182.2	TBD	Tap Break-in/Hammer Defective	4097	M 3
182.4	MWLS(F04)	Miscellaneous Water Level Sag	4116	S 2
184.0	IWJ	Infiltration Weeper Joint	4169	M 2
190.0	MWLS	Miscellaneous Water Level Sag	4287	S 2
196.6	FM(S06)	Fracture Multiple	4416	S 4
203.9	FM(F06)	Fracture Multiple	4585	S 4
211.8	FM(S07)	Fracture Multiple	4712	S 4
213.1	TBD	Tap Break-in/Hammer Defective	4740	M 3
213.1	IRC	Infiltration Runner Connection	4774	M 4
215.9	DAR	Deposits Attached Ragging	4818	M 2
219.4	FM(F07)	Fracture Multiple	4855	S 4

229.7	FM	Fracture Multiple	4961	S 4
233.1	FM	Fracture Multiple	5033	S 4
234.4	TBI	Tap Break-in Intruding	5079	M 2
247.9	CM	Crack Multiple	5176	S 3
260.2	CL	Crack Longitudinal	5267	S 2
263.5	FM	Fracture Multiple	5388	S 4
265.3	TBI	Tap Break-in Intruding	5435	M 2
266.7	CM	Crack Multiple	5507	S 3
269.8	FM	Fracture Multiple	5558	S 4
272.7	CL	Crack Longitudinal	5592	S 2
281.8	FS	Fracture Spiral	5652	S 3
285.0	B	Broken	5720	S 4
290.6	TBI	Tap Break-in Intruding	5821	M 2
296.4	DAE(F05)	Deposits Attached Encrustation	5860	M 2
311.0	DSF(F01)	Deposits Settled Fine	5923	M 2
311.0	AMH	Manhole	5989	NA

**M-504-059**



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-504-058**



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: **10.000**  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:



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

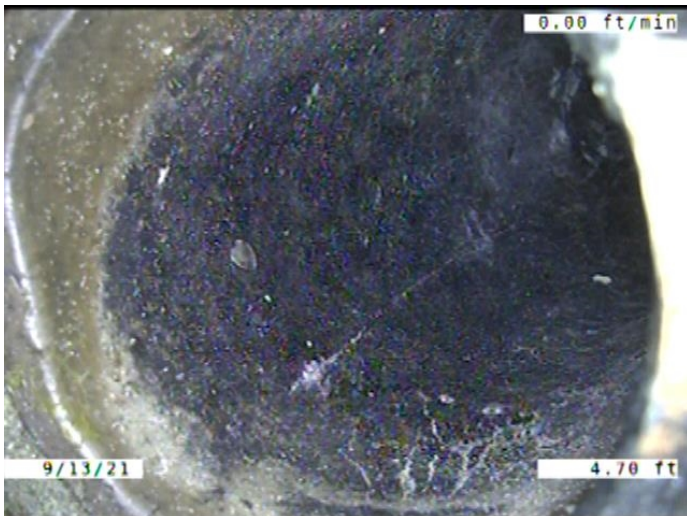
Distance (ft): **.0**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **5**  
 Clock To: **7**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index: **S01**  
 Within 8" of Joint: **YES**  
 Remarks:





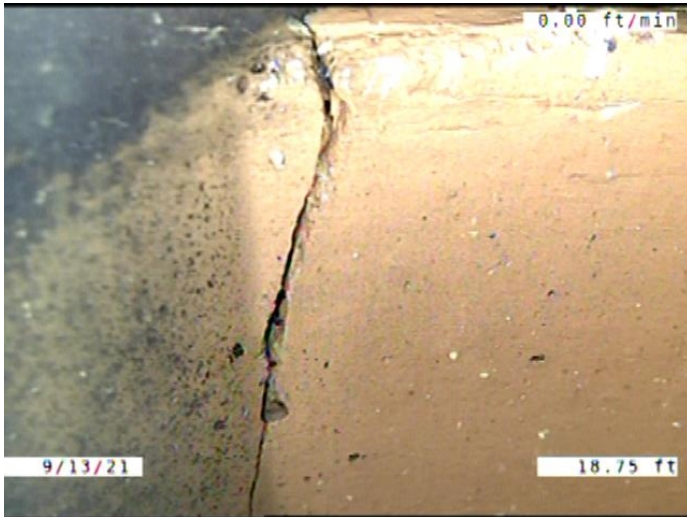
Code: **JAM**  
 Description: **Joint Angular Medium**

Distance (ft): **3.0**  
 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:



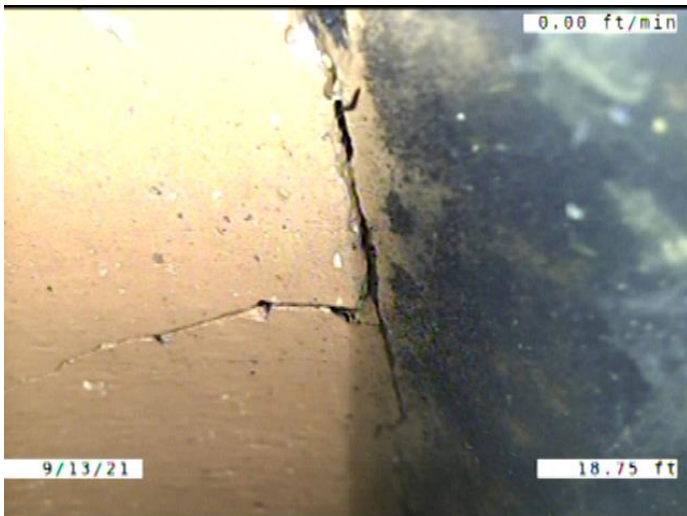
Code: **TBI**  
 Description: **Tap Break-in Intruding**

Distance (ft): **4.7**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **1**  
 Clock To:  
 1st Value: **4.000**  
 2nd Value: **1.000**  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



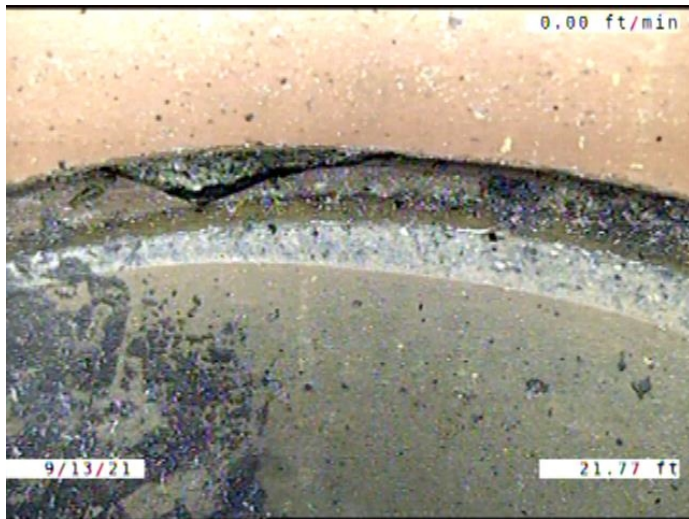
Code: **FL**  
 Description: **Fracture Longitudinal**

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



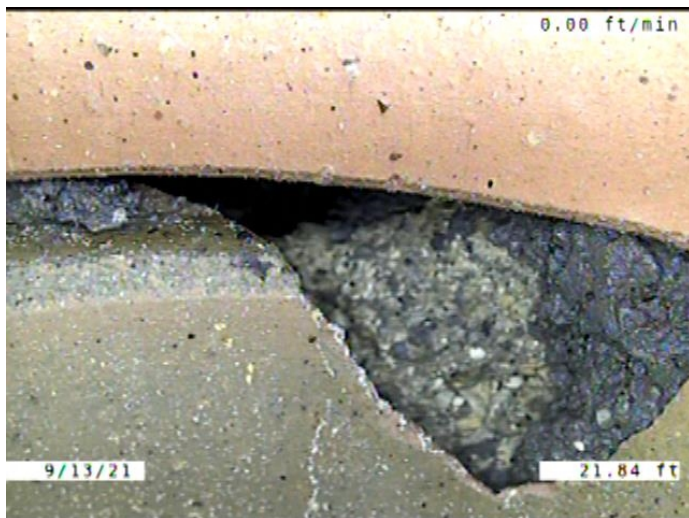
Code: **FM**  
 Description: **Fracture Multiple**

Distance (ft): **18.8**  
 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: **B**  
 Description: **Broken**

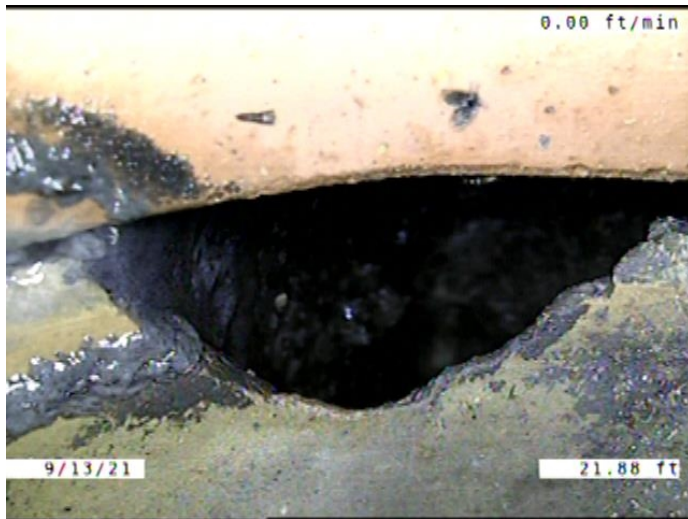
Distance (ft): **21.8**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **12**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



Code: **HSV**  
 Description: **Hole Soil Visible**

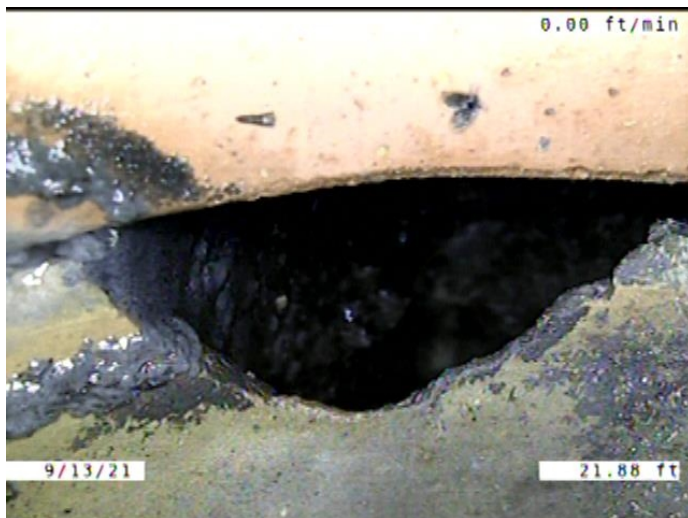
Distance (ft): **21.8**  
 Structural Grade: **5**  
 O&M Grade: **0**  
 Clock Start/From: **2**  
 Clock To: **3**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:





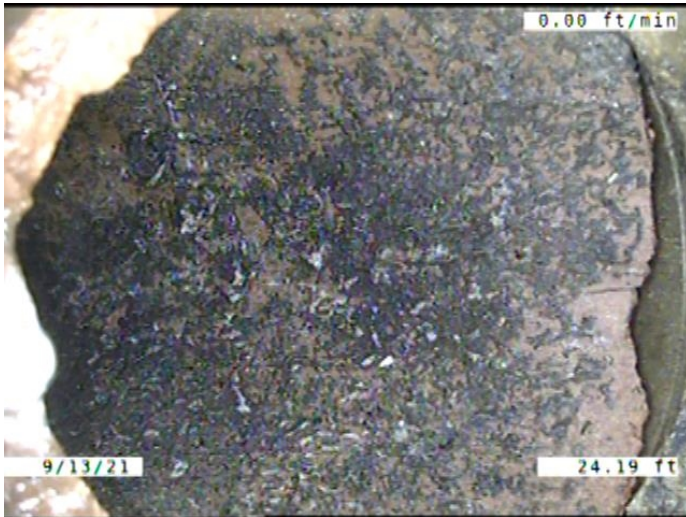
Code: **HSV**  
 Description: **Hole Soil Visible**

Distance (ft): **21.9**  
 Structural Grade: **5**  
 O&M Grade: **0**  
 Clock Start/From: **8**  
 Clock To: **9**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

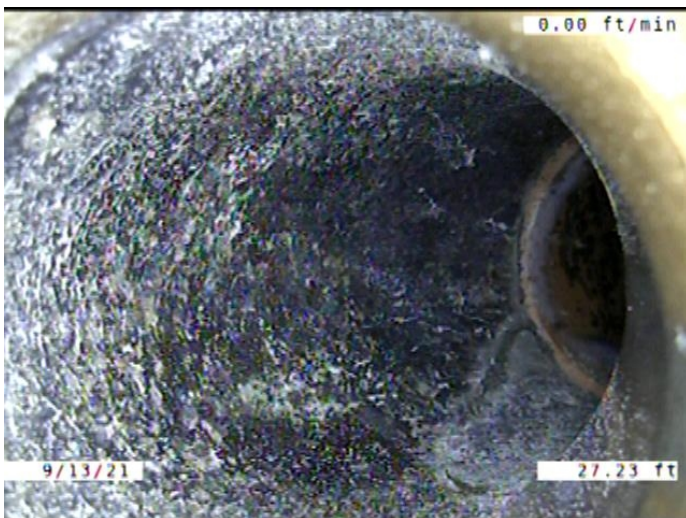
Distance (ft): **21.9**  
 Structural Grade: **0**  
 O&M Grade: **4**  
 Clock Start/From: **8**  
 Clock To: **9**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **24.2**  
 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: **NO**  
 Remarks: **Defective**

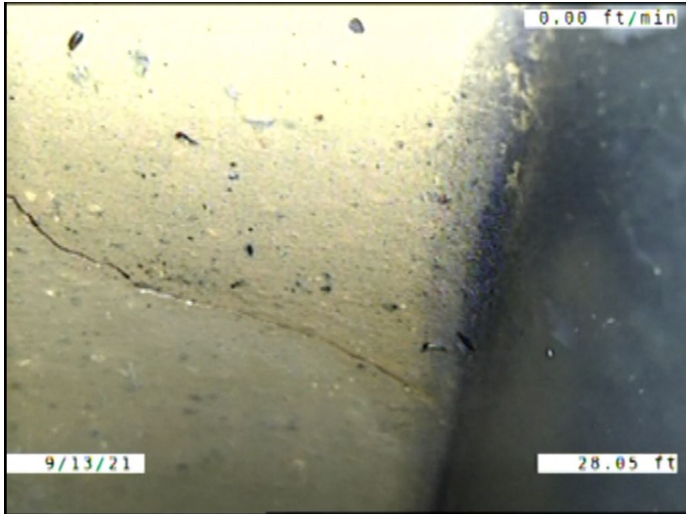
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Code: **TBI**  
 Description: **Tap Break-in Intruding**

Distance (ft): **27.2**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **1**  
 Clock To:  
 1st Value: **4.000**  
 2nd Value: **1.000**  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:

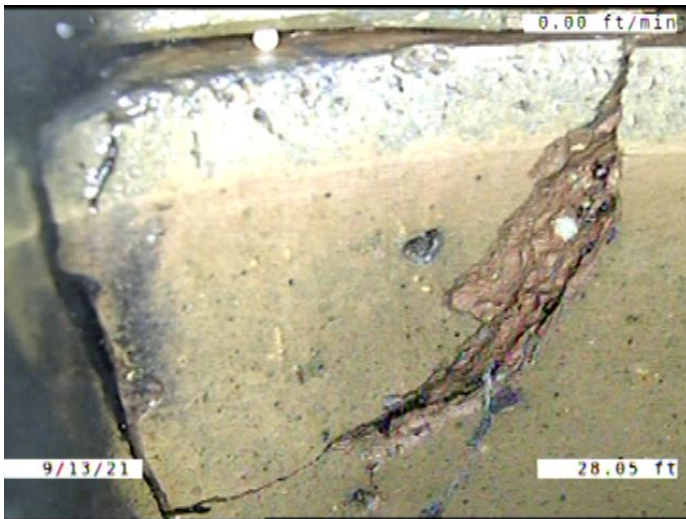
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Code: **FS**  
Description: **Fracture Spiral**

Distance (ft): **28.0**  
Structural Grade: **3**  
O&M Grade: **0**  
Clock Start/From: **2**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

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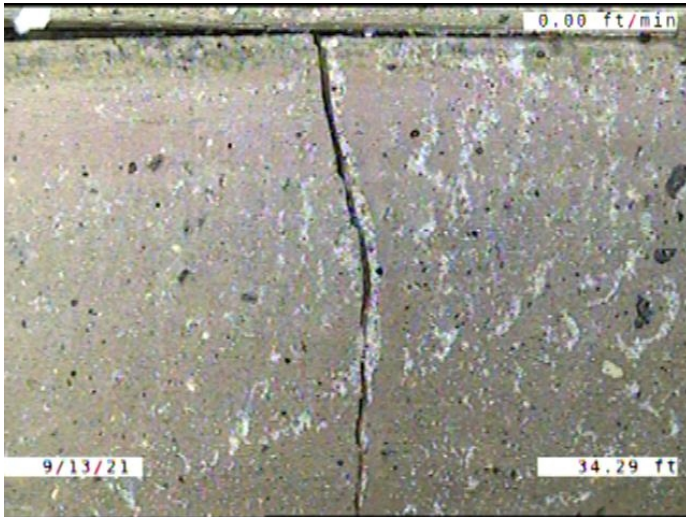


Code: **B**  
Description: **Broken**

Distance (ft): **28.0**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **7**  
Clock To: **9**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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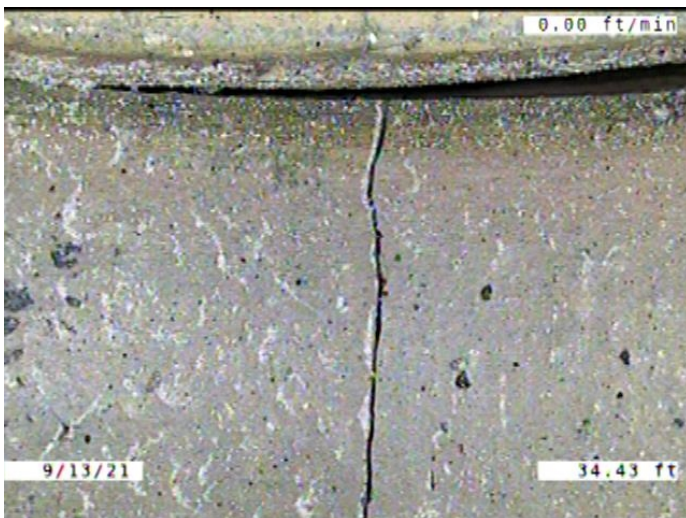




Code: **FS**  
Description: **Fracture Spiral**

Distance (ft): **34.3**  
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:

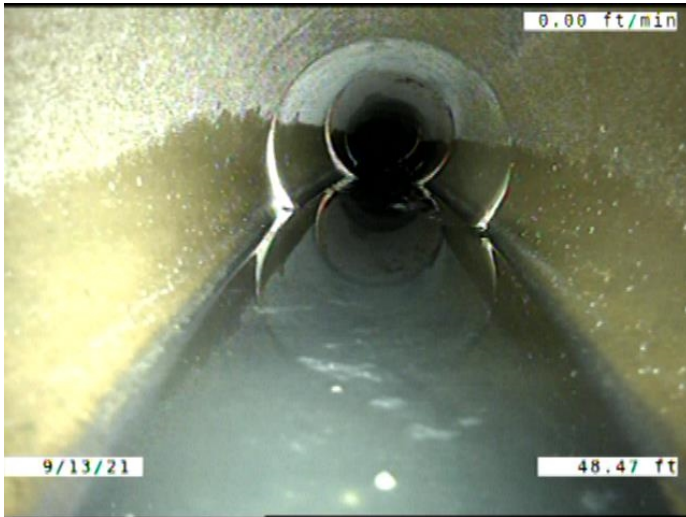
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Code: **CL**  
Description: **Crack Longitudinal**

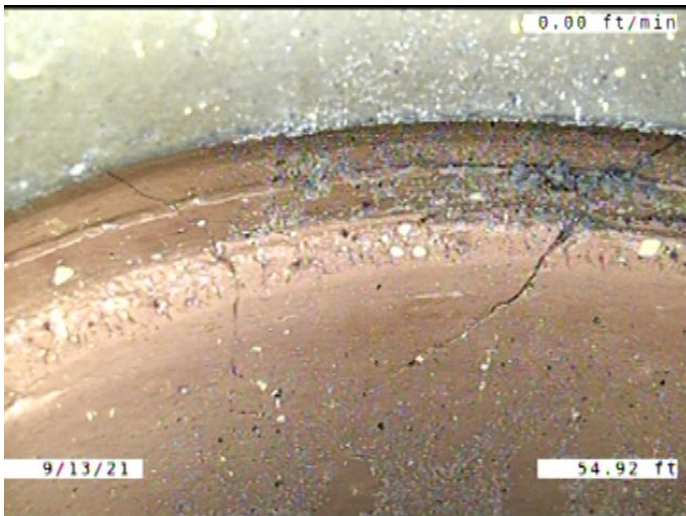
Distance (ft): **34.4**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From: **1**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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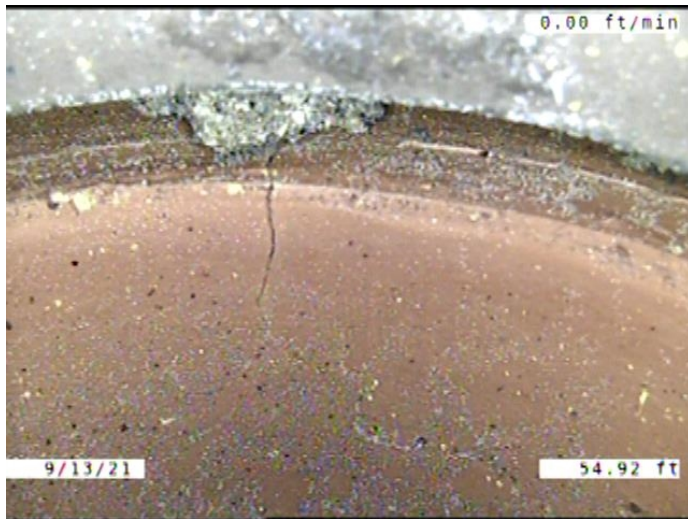
Code: **MWLS**  
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **48.5**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index: **S02**  
 Within 8" of Joint: **NO**  
 Remarks:



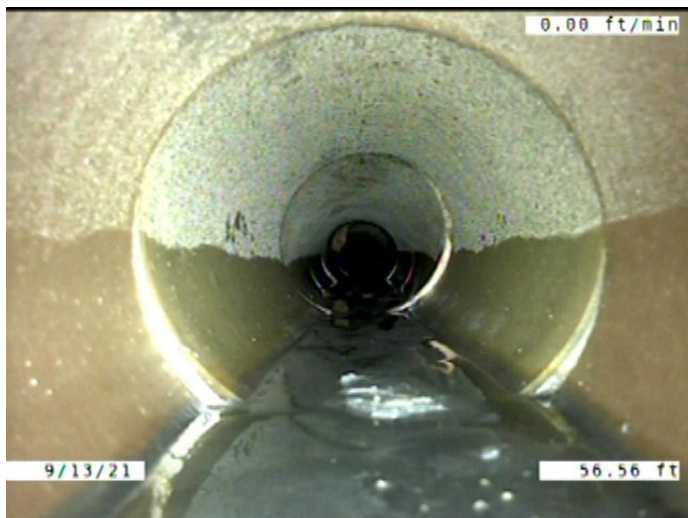
Code: **CS**  
 Description: **Crack Spiral**

Distance (ft): **54.9**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From: **9**  
 Clock To: **10**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

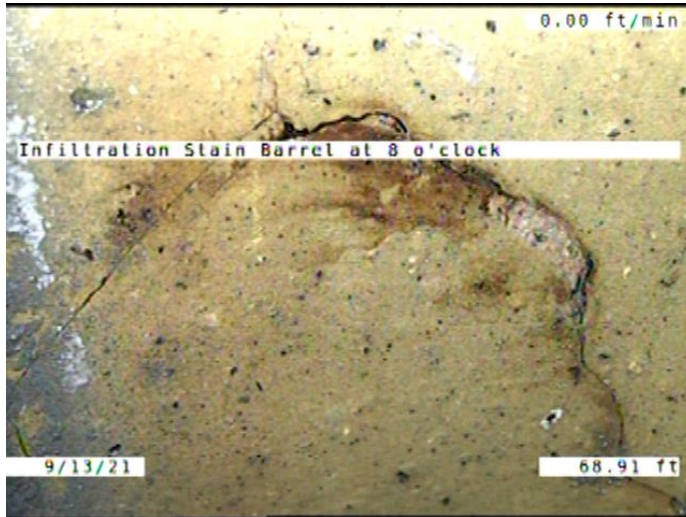
Distance (ft): **54.9**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From: **1**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

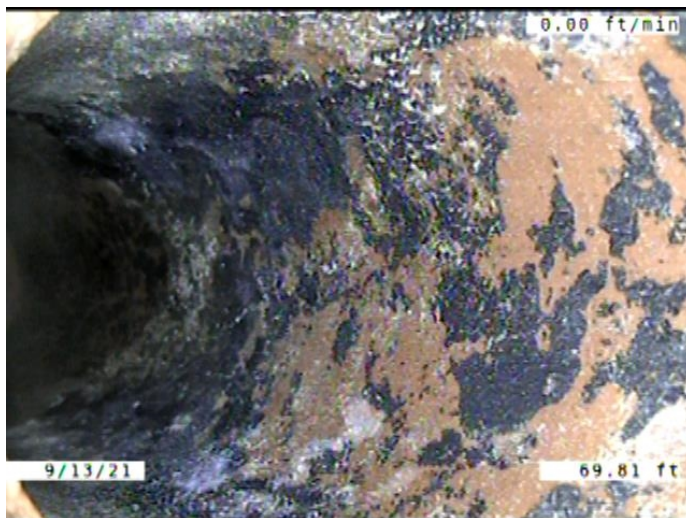
Distance (ft): **56.6**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index: **F02**  
 Within 8" of Joint: **NO**  
 Remarks:





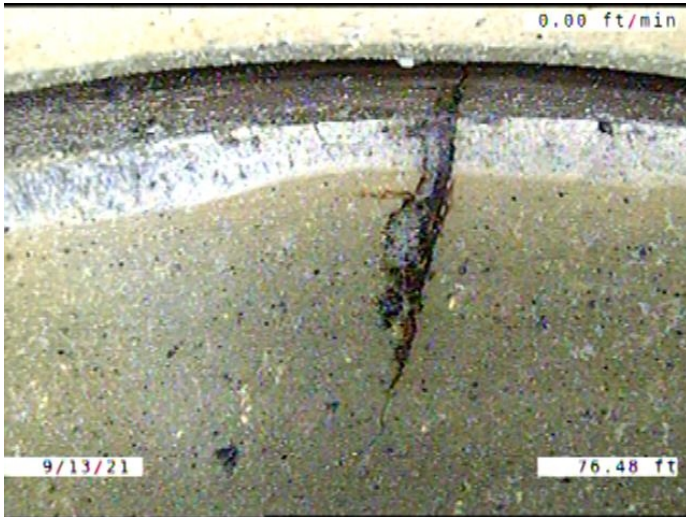
Code: **ISB**  
 Description: **Infiltration Stain Barrel**

Distance (ft): **68.9**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From: **8**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:



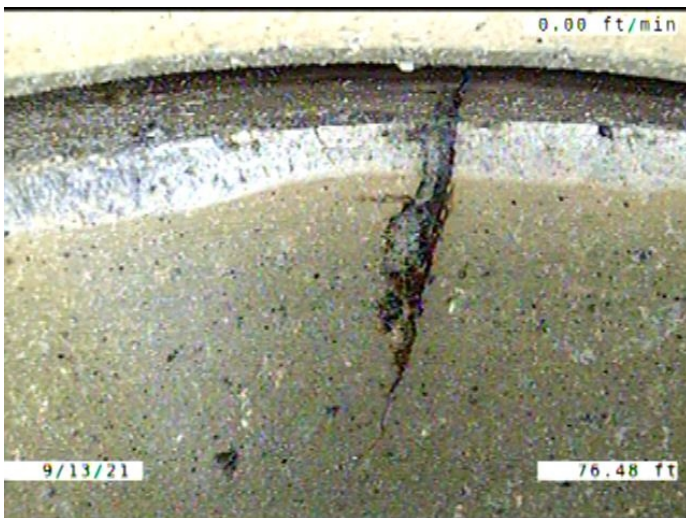
Code: **TBI**  
 Description: **Tap Break-in Intruding**

Distance (ft): **69.8**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **10**  
 Clock To:  
 1st Value: **4.000**  
 2nd Value: **2.000**  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:



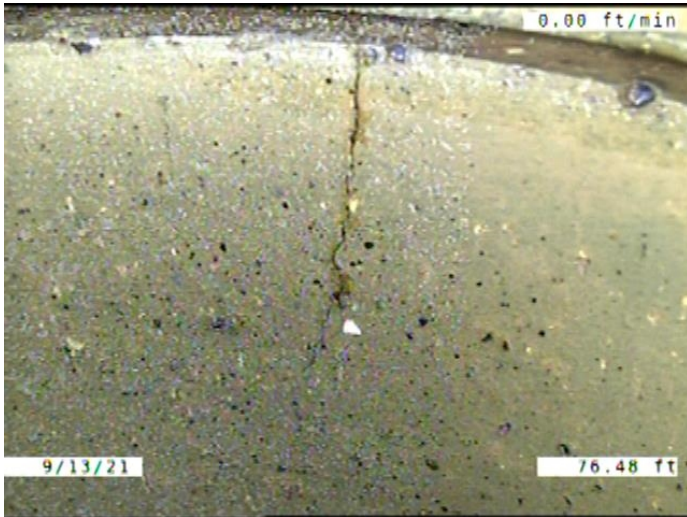
Code: **CL**  
 Description: **Crack Longitudinal**

Distance (ft): **76.5**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From: **11**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



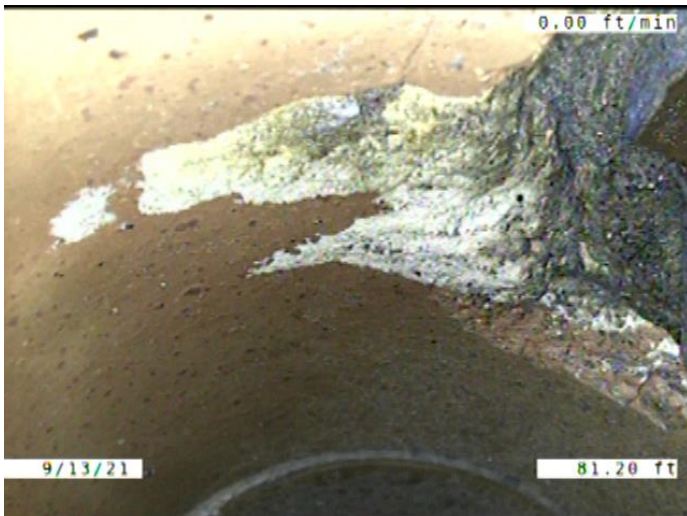
Code: **ISB**  
 Description: **Infiltration Stain Barrel**

Distance (ft): **76.5**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From: **11**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

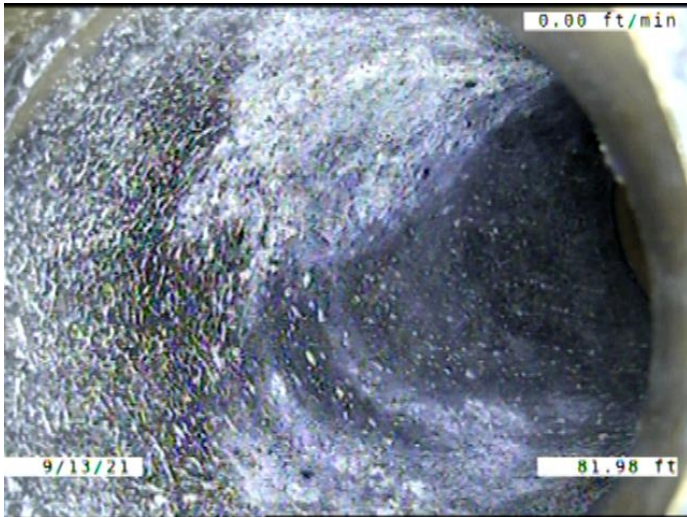
Distance (ft): **76.5**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From: **2**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

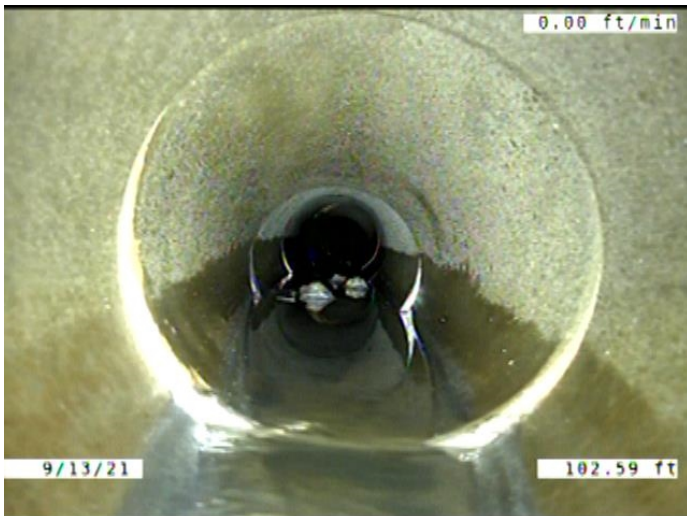
Distance (ft): **81.2**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **10**  
 Clock To: **2**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:





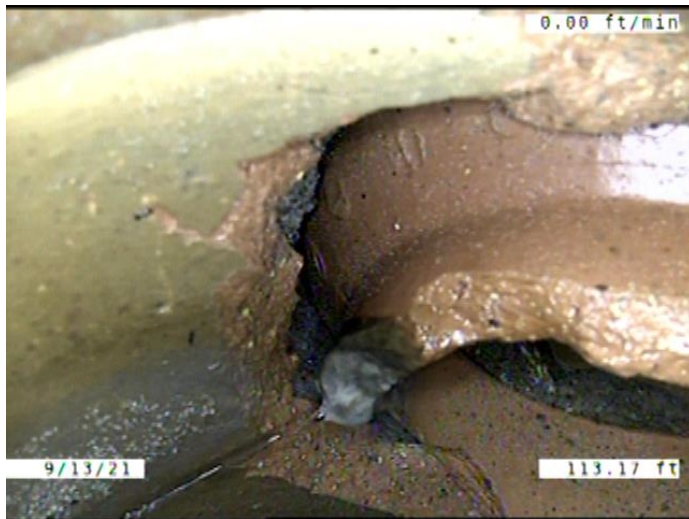
Code: **TBI**  
 Description: **Tap Break-in Intruding**

Distance (ft): **82.0**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **1**  
 Clock To:  
 1st Value: **4.000**  
 2nd Value: **1.000**  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:



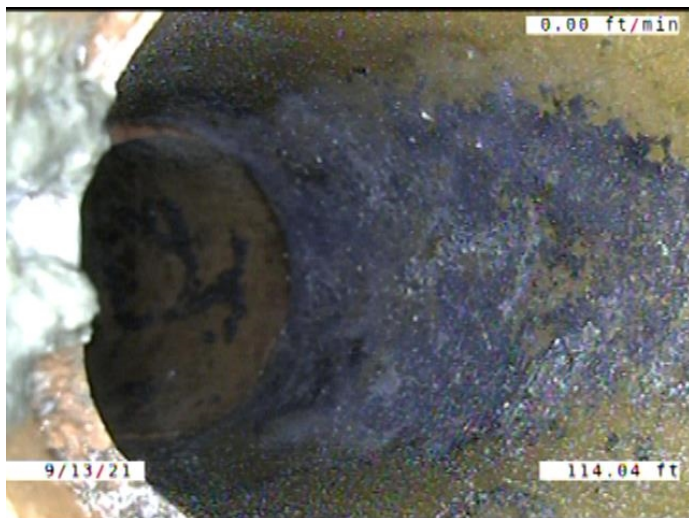
Code: **MWLS**  
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **102.6**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index: **S03**  
 Within 8" of Joint: **NO**  
 Remarks:



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

Distance (ft): **113.2**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **10**  
 Clock To: **1**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



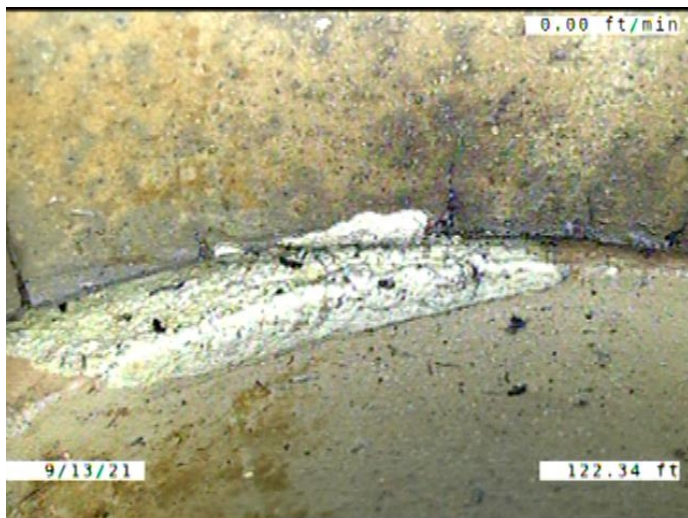
Code: **TBI**  
 Description: **Tap Break-in Intruding**

Distance (ft): **114.0**  
 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:



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

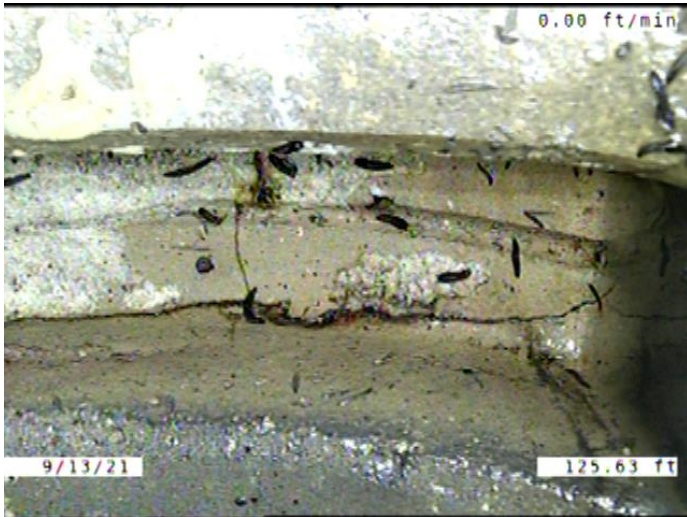
Distance (ft): **122.3**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **9**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

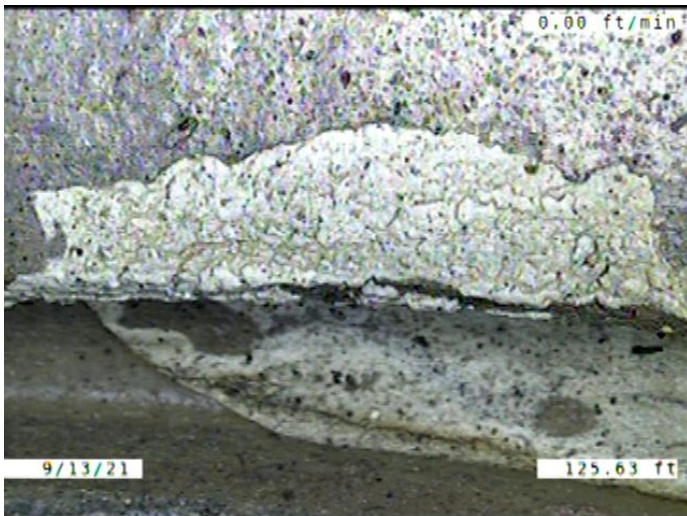
Distance (ft): **122.3**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **10**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:





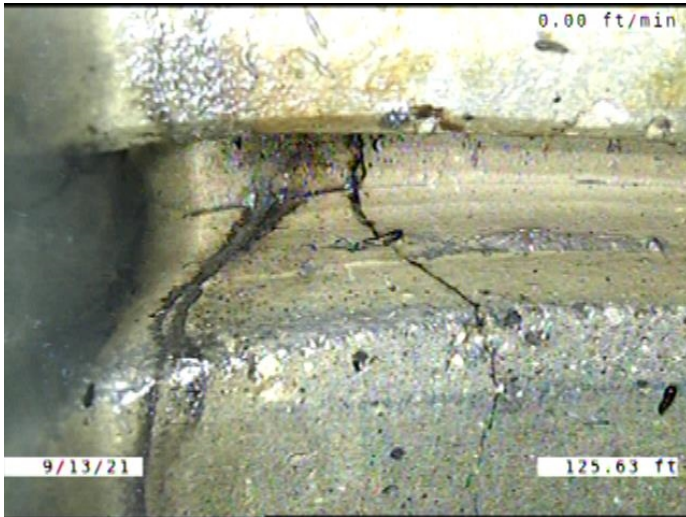
Code: **CM**  
 Description: **Crack Multiple**

Distance (ft): **125.6**  
 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:



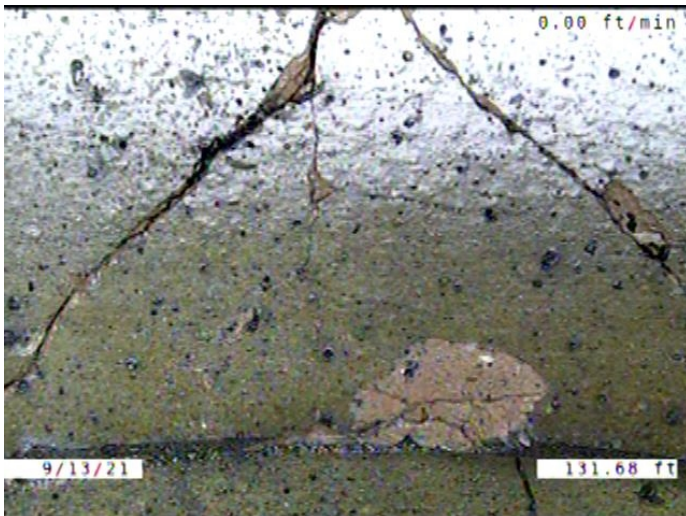
Code: **DAE**  
 Description: **Deposits Attached Encrustation**

Distance (ft): **125.6**  
 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:



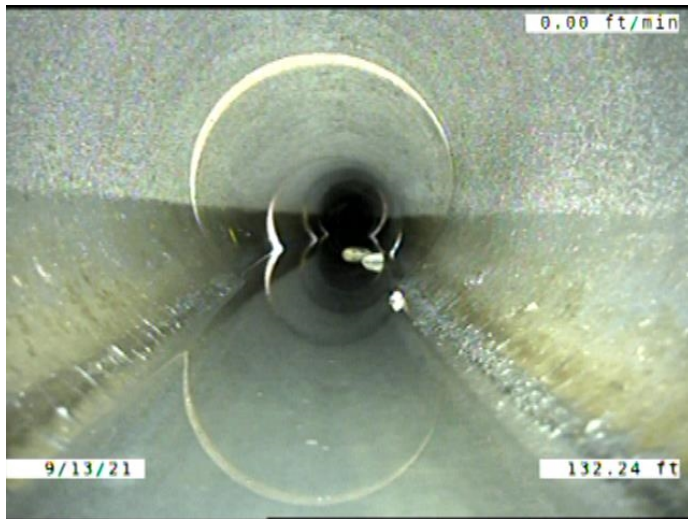
Code: **CM**  
 Description: **Crack Multiple**

Distance (ft): **125.6**  
 Structural Grade: **3**  
 O&M Grade: **0**  
 Clock Start/From: **8**  
 Clock To: **9**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

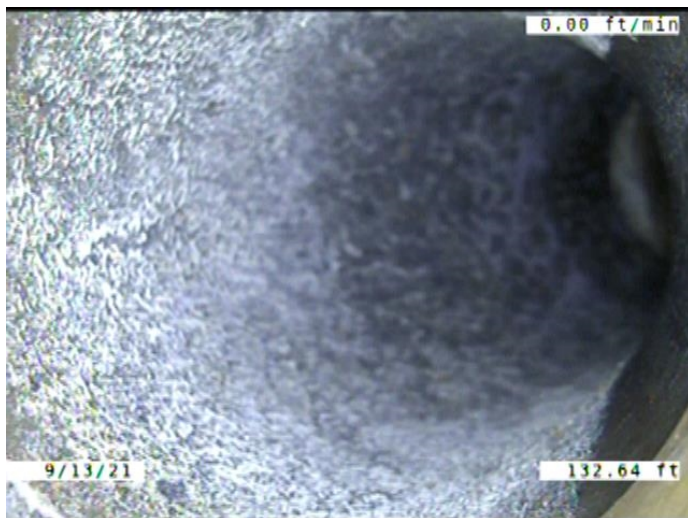
Distance (ft): **131.7**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **11**  
 Clock To: **2**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **132.2**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index: **F03**  
 Within 8" of Joint: **NO**  
 Remarks:

---

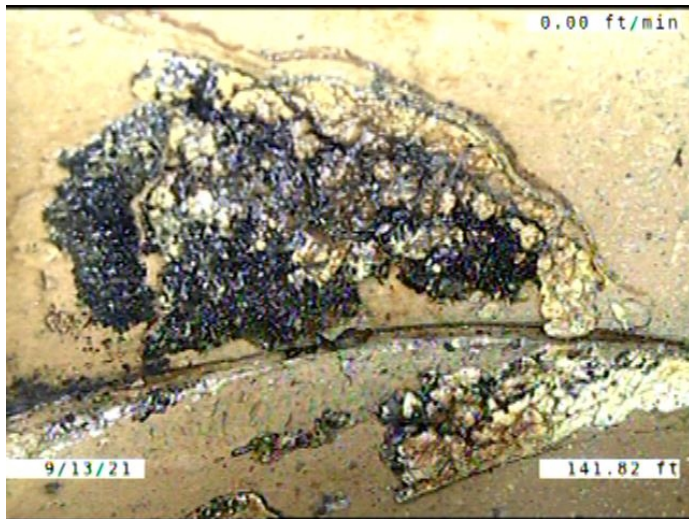


Code: **TBI**  
 Description: **Tap Break-in Intruding**

Distance (ft): **132.6**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **1**  
 Clock To:  
 1st Value: **4.000**  
 2nd Value: **1.000**  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:

---





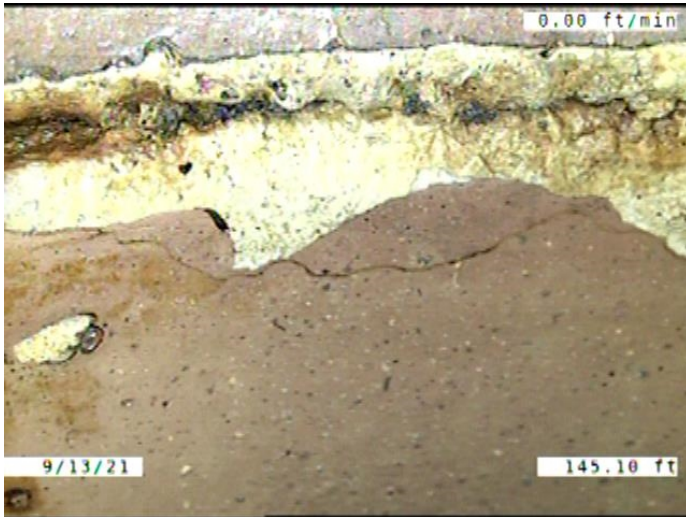
Code: **DAE**  
 Description: **Deposits Attached Encrustation**

Distance (ft): **141.8**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **8**  
 Clock To: **10**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



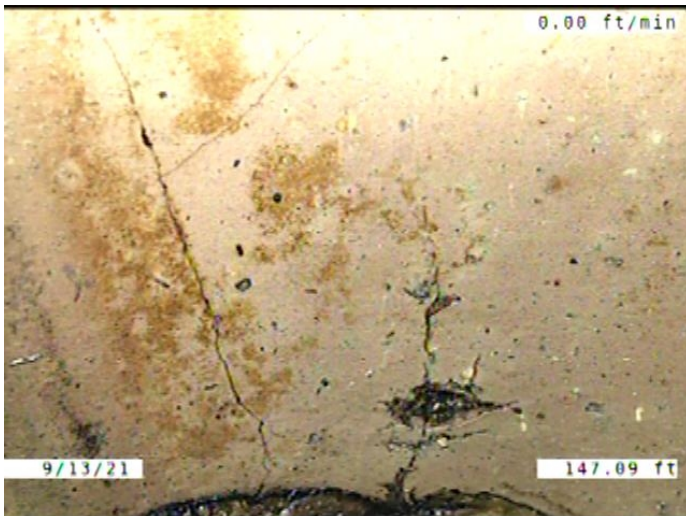
Code: **DAE**  
 Description: **Deposits Attached Encrustation**

Distance (ft): **145.1**  
 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:



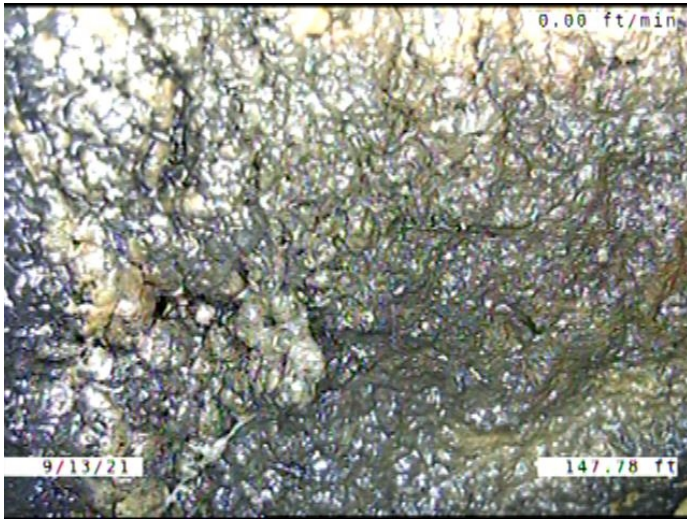
Code: **CS**  
 Description: **Crack Spiral**

Distance (ft): **145.1**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From: **7**  
 Clock To: **12**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

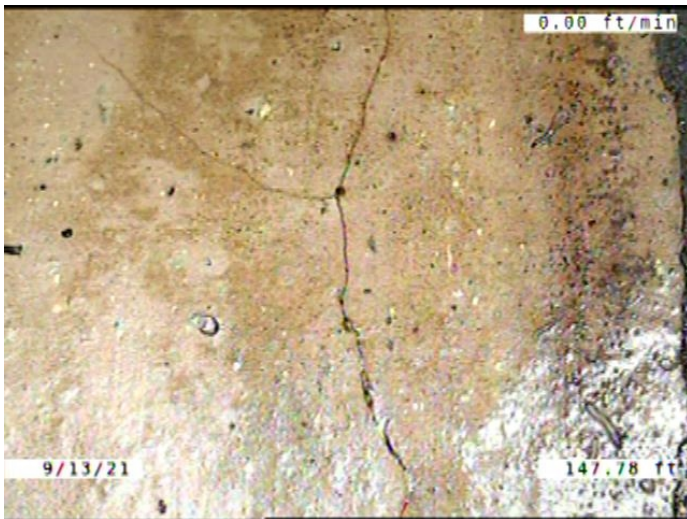
Distance (ft): **147.1**  
 Structural Grade: **3**  
 O&M Grade: **0**  
 Clock Start/From: **7**  
 Clock To: **10**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **147.8**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **8**  
 Clock To: **2**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:

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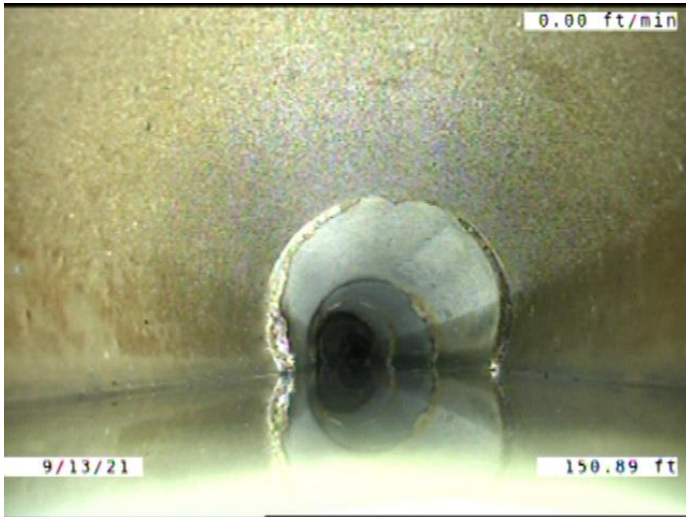


Code: **CM**  
 Description: **Crack Multiple**

Distance (ft): **147.8**  
 Structural Grade: **3**  
 O&M Grade: **0**  
 Clock Start/From: **3**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:

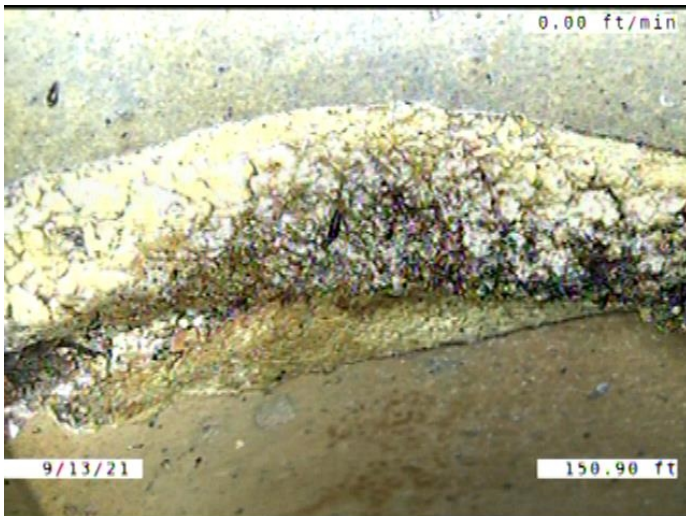
---





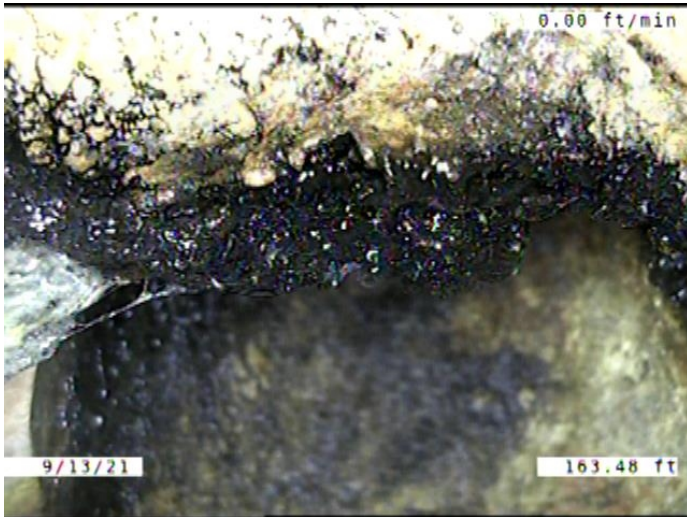
Code: **MWLS**  
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **150.9**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **15.000**  
 Continuous Index: **S04**  
 Within 8" of Joint: **NO**  
 Remarks:



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

Distance (ft): **150.9**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **7**  
 Clock To: **5**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index: **S05**  
 Within 8" of Joint: **YES**  
 Remarks:



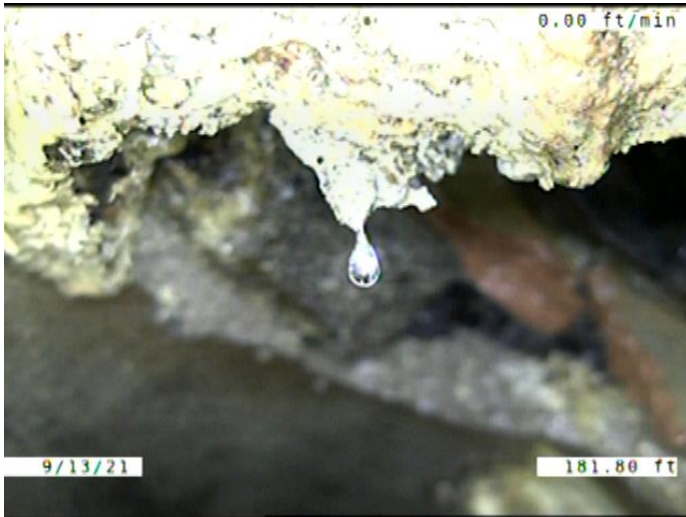
Code: **IWC**  
 Description: **Infiltration Weeper Connection**

Distance (ft): **163.5**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 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**

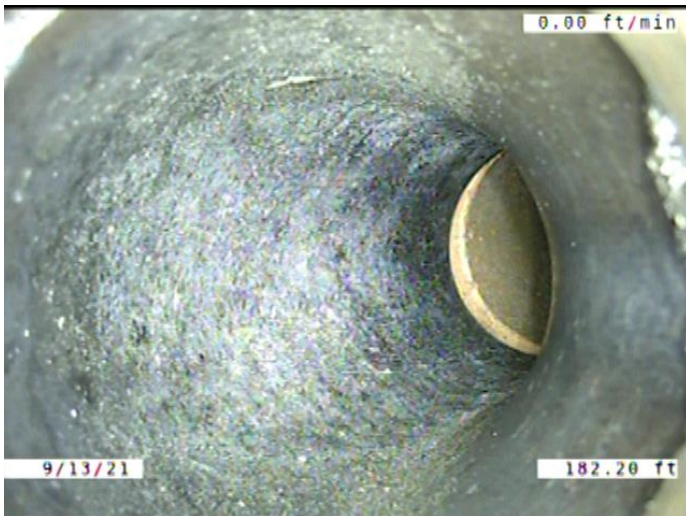
Distance (ft): **164.5**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **11**  
 Clock To:  
 1st Value: **4.000**  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks: **ENCRUSTATION IN THE TAP**



Code: **IWC**  
Description: **Infiltration Weeper Connection**

Distance (ft): **181.8**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **12**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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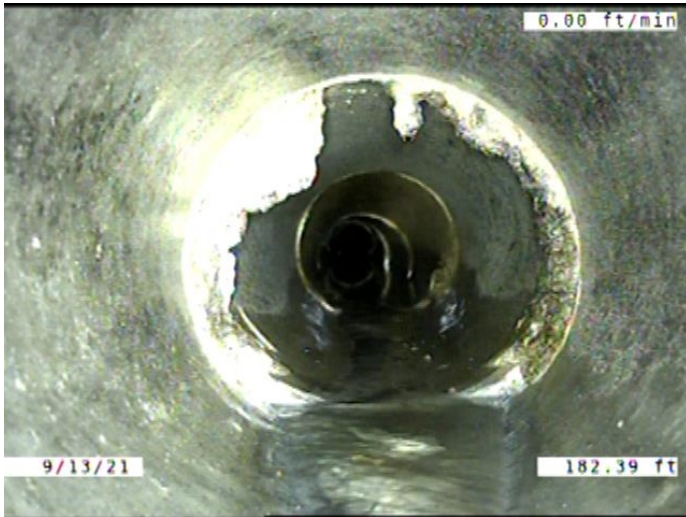


Code: **TBD**  
Description: **Tap Break-in/Hammer Defective**

Distance (ft): **182.2**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **1**  
Clock To:  
1st Value: **4.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks: **Defective**

---

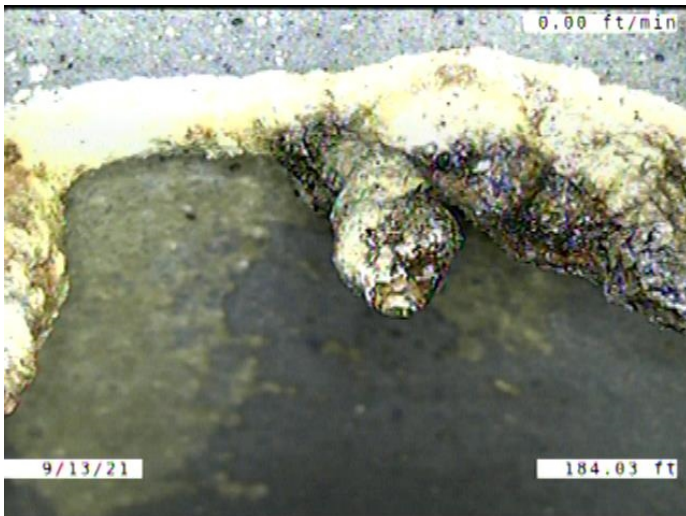




Code: **MWLS**  
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **182.4**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **15.000**  
 Continuous Index: **F04**  
 Within 8" of Joint: **NO**  
 Remarks:

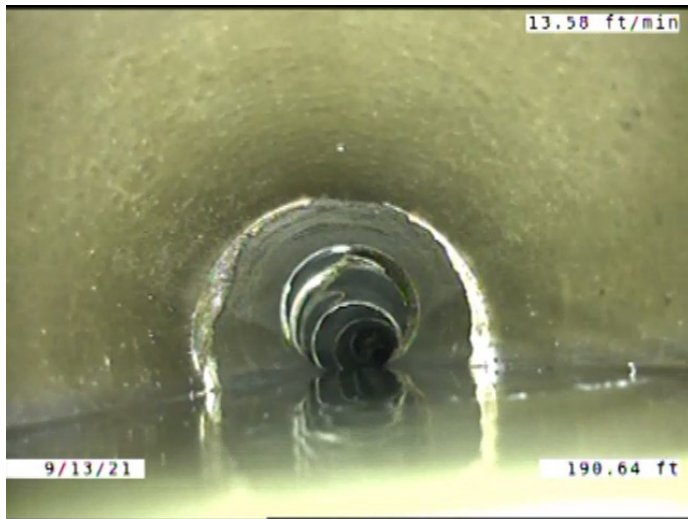
---



Code: **IWJ**  
 Description: **Infiltration Weeper Joint**

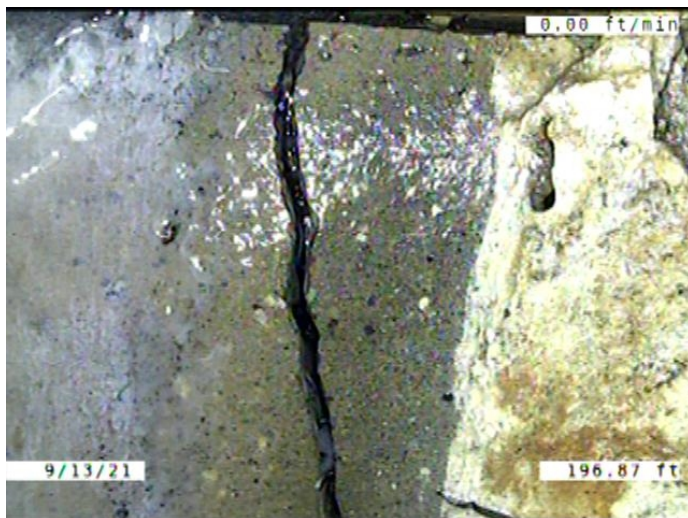
Distance (ft): **184.0**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **12**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:

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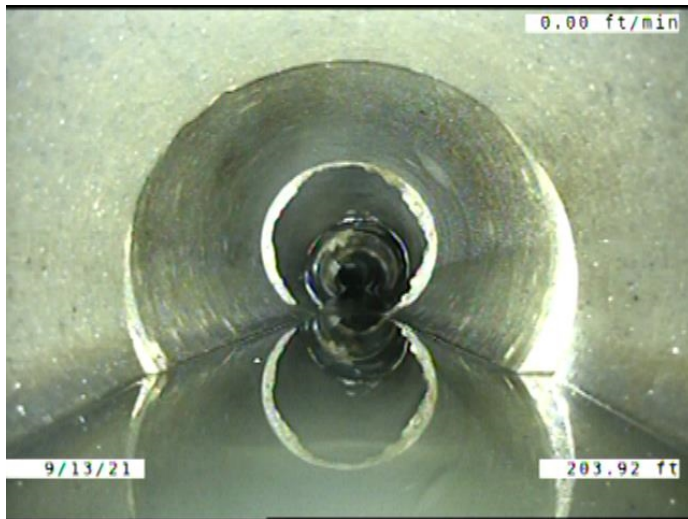
Code: **MWLS**  
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **190.0**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **10.000**  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:



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

Distance (ft): **196.6**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **7**  
 Clock To: **1**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index: **S06**  
 Within 8" of Joint: **NO**  
 Remarks:



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

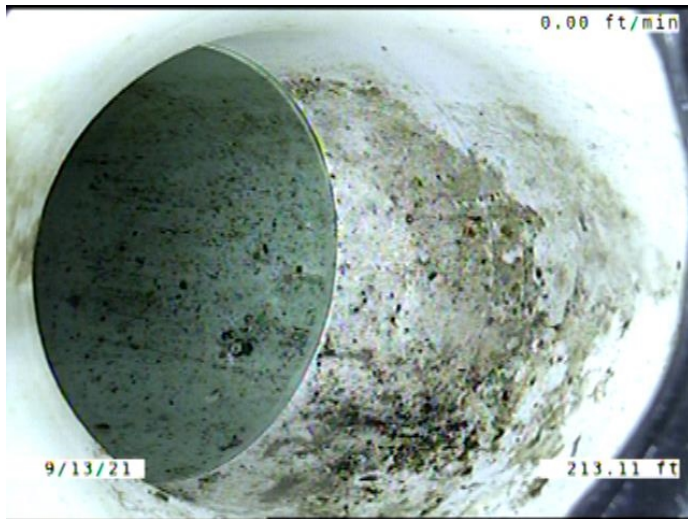
Distance (ft): **203.9**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **7**  
 Clock To: **1**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index: **F06**  
 Within 8" of Joint: **YES**  
 Remarks:



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

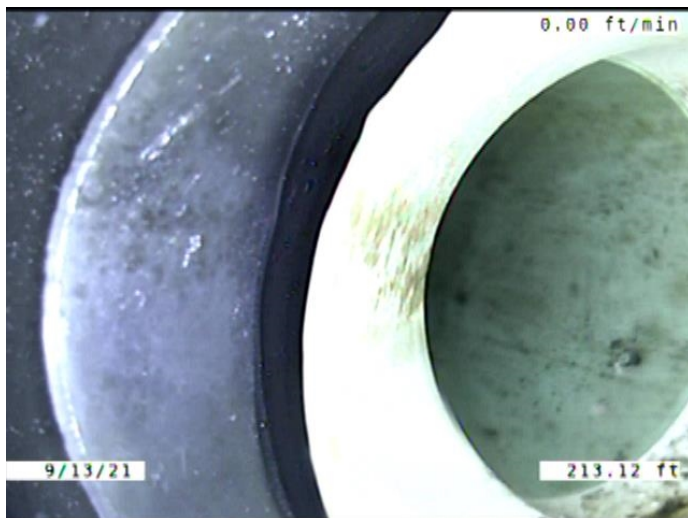
Distance (ft): **211.8**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **6**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index: **S07**  
 Within 8" of Joint: **YES**  
 Remarks:





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

Distance (ft): **213.1**  
 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**



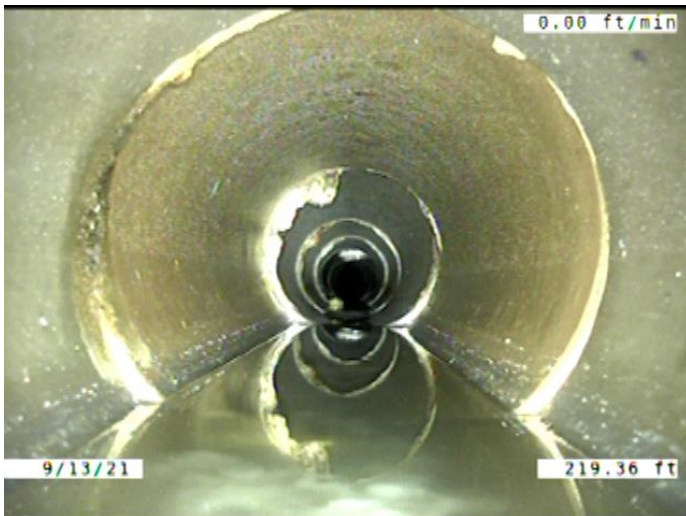
Code: **IRC**  
 Description: **Infiltration Runner Connection**

Distance (ft): **213.1**  
 Structural Grade: **0**  
 O&M Grade: **4**  
 Clock Start/From: **11**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



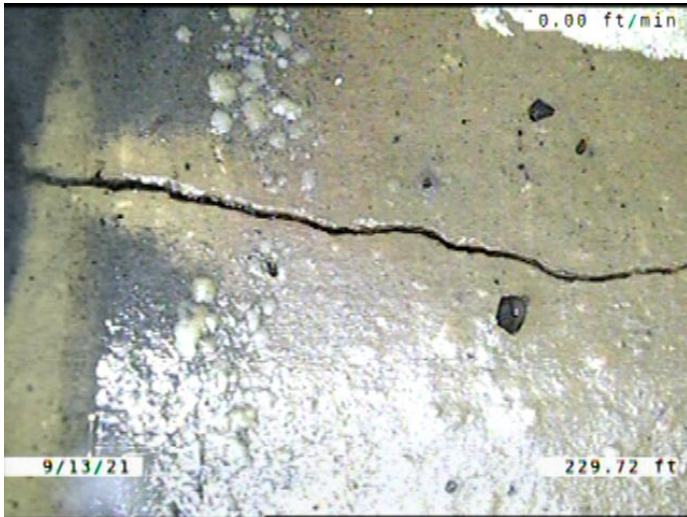
Code:	<b>DAR</b>
Description:	<b>Deposits Attached Ragging</b>
Distance (ft):	<b>215.9</b>
Structural Grade:	<b>0</b>
O&M Grade:	<b>2</b>
Clock Start/From:	<b>9</b>
Clock To:	<b>10</b>
1st Value:	
2nd Value:	
Value Percent:	<b>5.000</b>
Continuous Index:	
Within 8" of Joint:	<b>YES</b>
Remarks:	

---



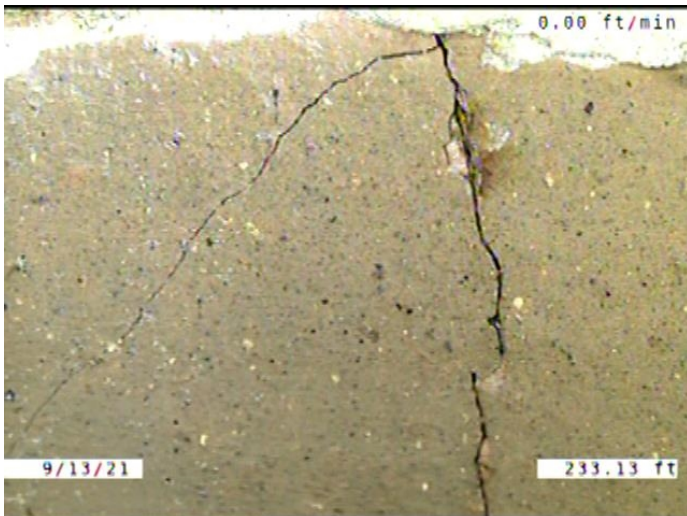
Code:	<b>FM</b>
Description:	<b>Fracture Multiple</b>
Distance (ft):	<b>219.4</b>
Structural Grade:	<b>4</b>
O&M Grade:	<b>0</b>
Clock Start/From:	<b>6</b>
Clock To:	<b>4</b>
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	<b>F07</b>
Within 8" of Joint:	<b>YES</b>
Remarks:	

---



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

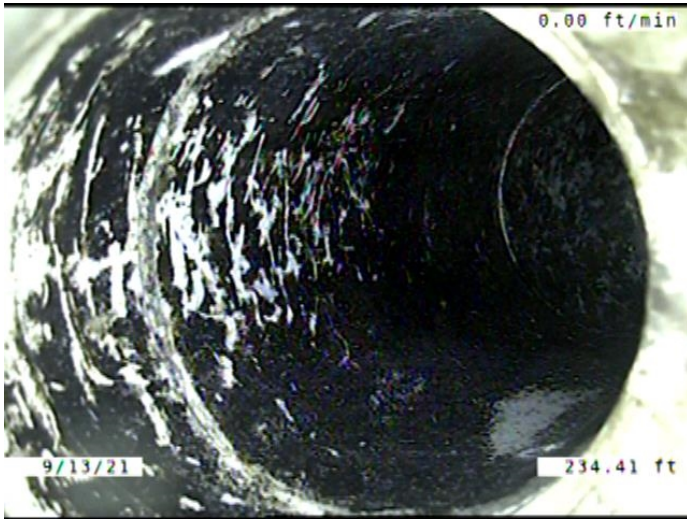
Distance (ft): **229.7**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **7**  
 Clock To: **5**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

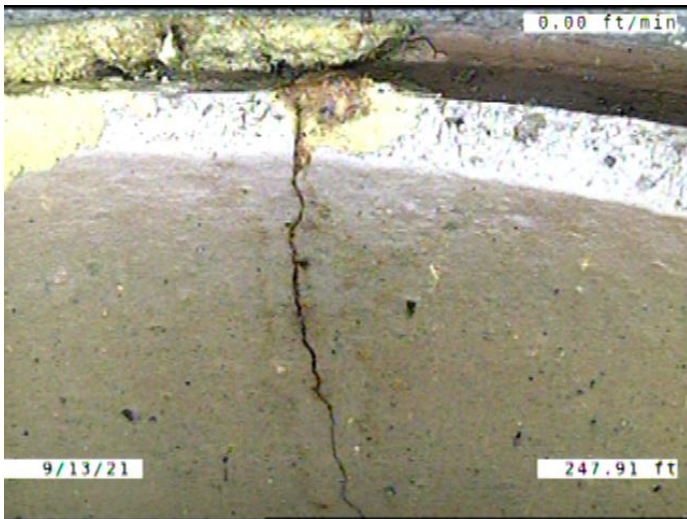
Distance (ft): **233.1**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **12**  
 Clock To: **3**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:





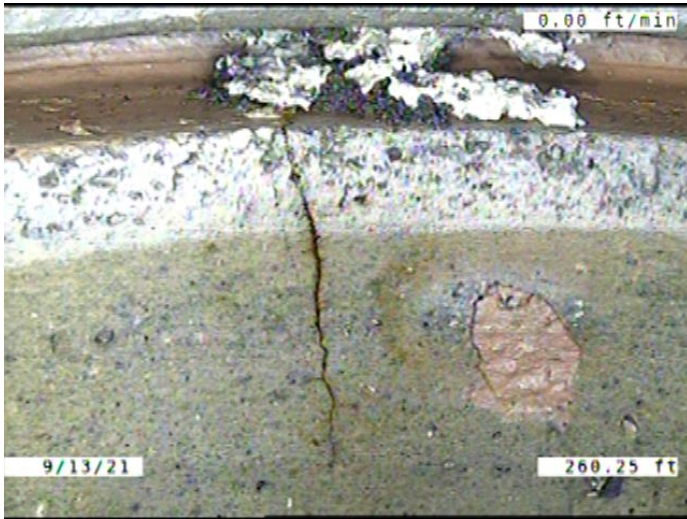
Code: **TBI**  
 Description: **Tap Break-in Intruding**

Distance (ft): **234.4**  
 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:



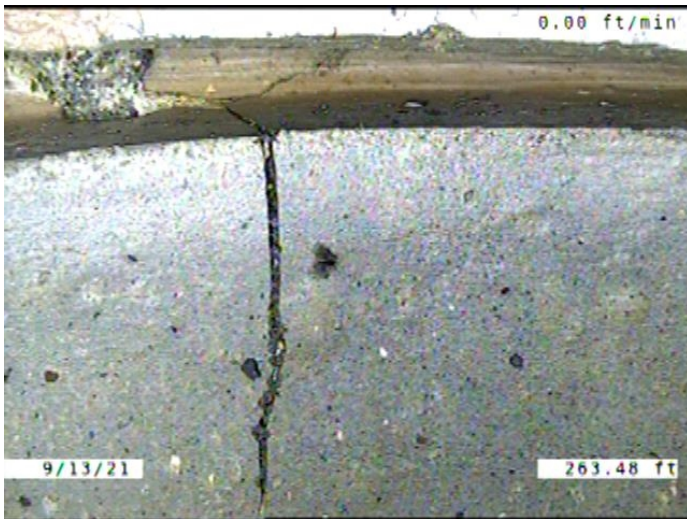
Code: **CM**  
 Description: **Crack Multiple**

Distance (ft): **247.9**  
 Structural Grade: **3**  
 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:



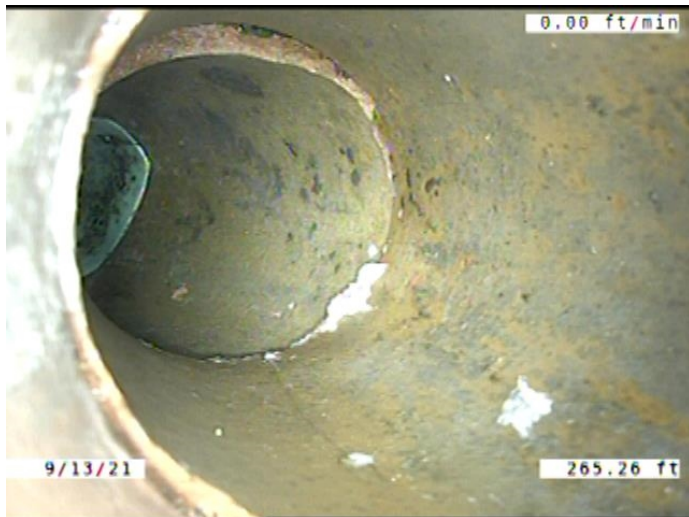
Code: **CL**  
 Description: **Crack Longitudinal**

Distance (ft): **260.2**  
 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:



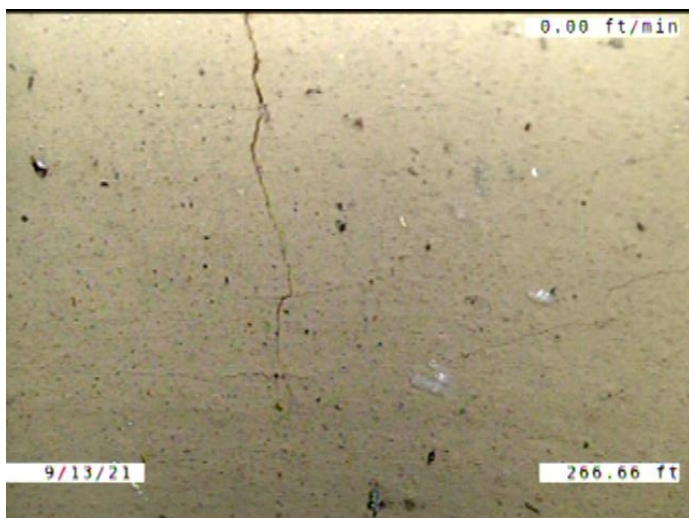
Code: **FM**  
 Description: **Fracture Multiple**

Distance (ft): **263.5**  
 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: **TBI**  
 Description: **Tap Break-in Intruding**

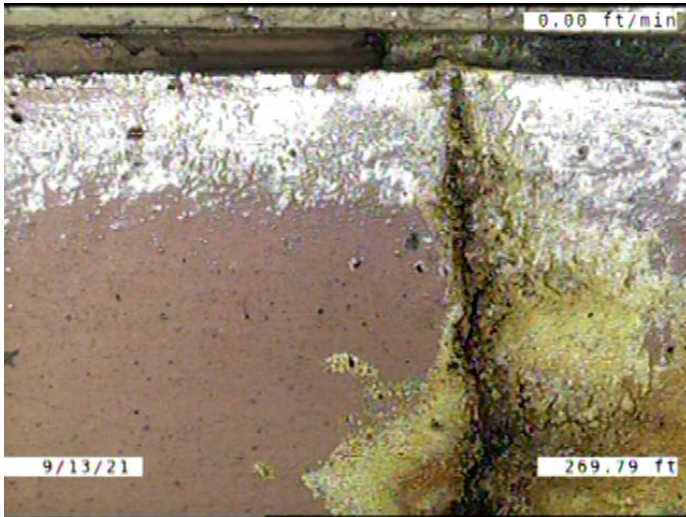
Distance (ft): **265.3**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **11**  
 Clock To:  
 1st Value: **4.000**  
 2nd Value: **1.000**  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

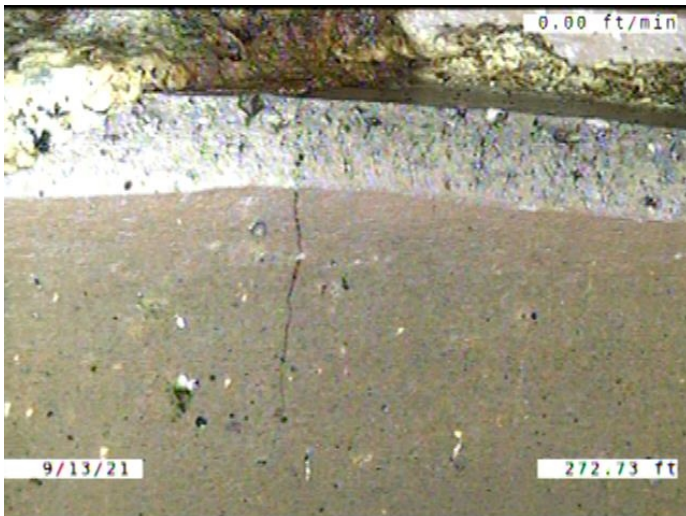
Distance (ft): **266.7**  
 Structural Grade: **3**  
 O&M Grade: **0**  
 Clock Start/From: **1**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:





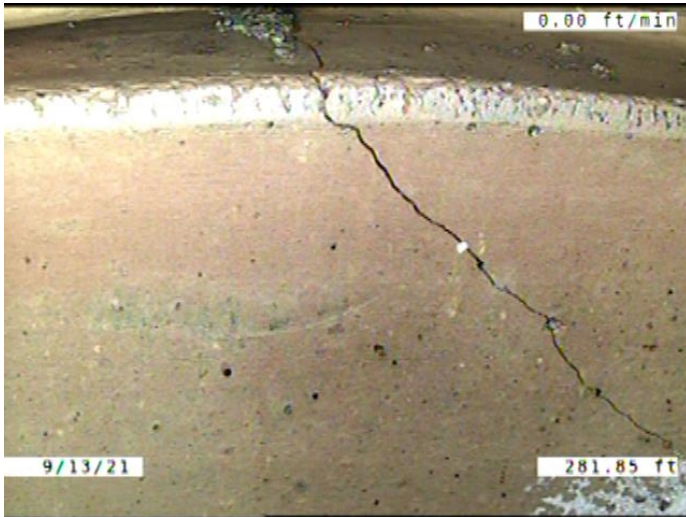
Code: **FM**  
 Description: **Fracture Multiple**

Distance (ft): **269.8**  
 Structural Grade: **4**  
 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: **CL**  
 Description: **Crack Longitudinal**

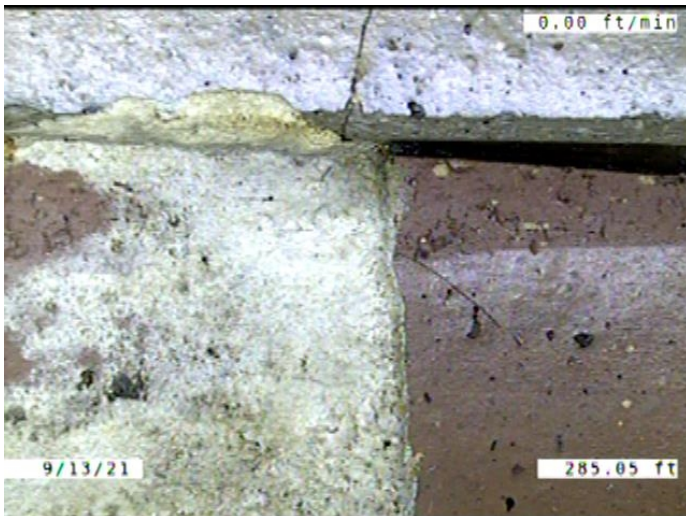
Distance (ft): **272.7**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From: **10**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



Code: **FS**  
Description: **Fracture Spiral**

Distance (ft): **281.8**  
Structural Grade: **3**  
O&M Grade: **0**  
Clock Start/From: **8**  
Clock To: **12**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

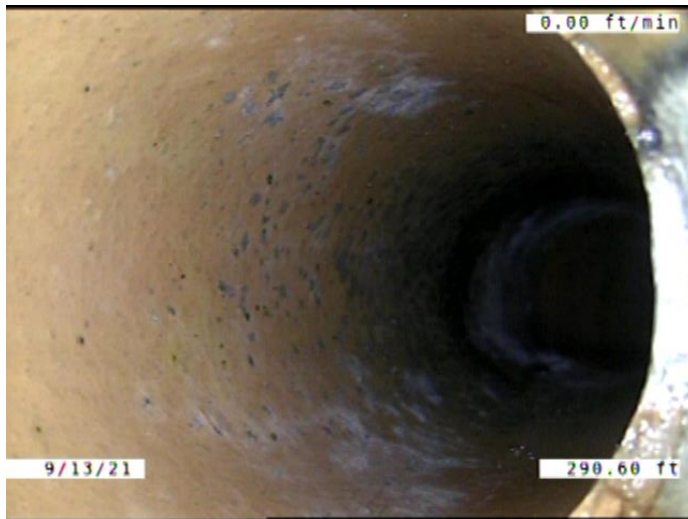
---



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

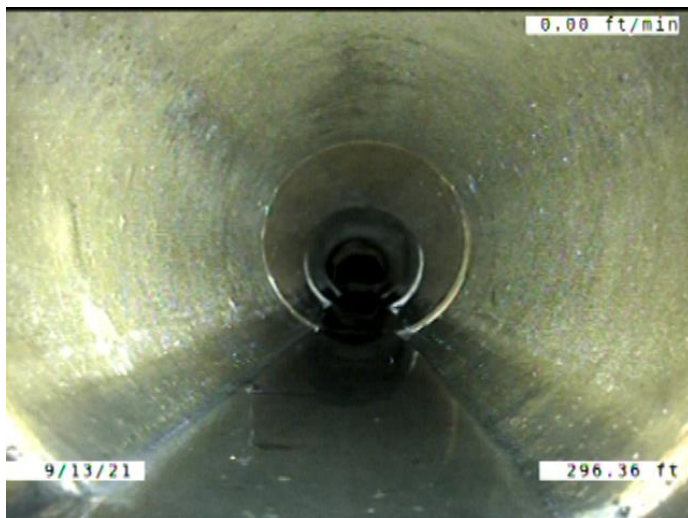
Distance (ft): **285.0**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **8**  
Clock To: **12**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

---



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

Distance (ft): **290.6**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **1**  
 Clock To:  
 1st Value: **4.000**  
 2nd Value: **1.000**  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

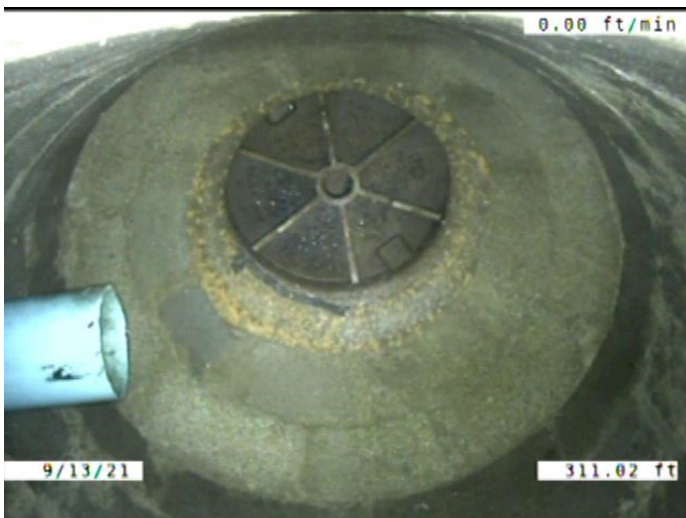
Distance (ft): **296.4**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **7**  
 Clock To: **5**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index: **F05**  
 Within 8" of Joint: **YES**  
 Remarks:





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

Distance (ft): **311.0**  
 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:



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

Distance (ft): **311.0**  
 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-504-059**