

# Profile/Photo Observation Report



Date:	<b>11/14/2021</b>	Weather:		Coding:	<b>PACP 7.0</b>
Pipe Length (ft):	<b>178.0</b>	Owner:	<b>City of Hobart</b>	Pre Clean:	<b>Heavy Cleaning</b>
P.O.#:	<b>YES502259</b>	Surveyor:	<b>S. Bucklin</b>	PSR:	<b>P-604-002-001</b>
Customer:	<b>City of Hobart</b>	Clean Date:	<b>11/13/2021</b>	Shape:	<b>C</b>

Street:	<b>West Cleveland Street</b>	Flow Control:	<b>Not Controlled</b>
City:	<b>Hobart, IN</b>	Year Renewed:	
Location:	<b>Local rural streets with light traffic, t</b>	Tape/Media #:	
Purpose:	<b>Routine Assessment</b>	Dia/Height:	<b>10"</b>
Use:	<b>Sanitary Sewage Pipe</b>	Material:	<b>VCP</b>
Drain Area:		Lining:	<b>None</b>
Category:	<b>NA</b>		
Comment:			
Location Details:		Direction of Survey:	<b>Downstream</b>
US MH:	<b>M-604-002</b>	DS MH:	<b>M-604-001</b>
		Total Length Surveyed (ft):	<b>178.0</b>

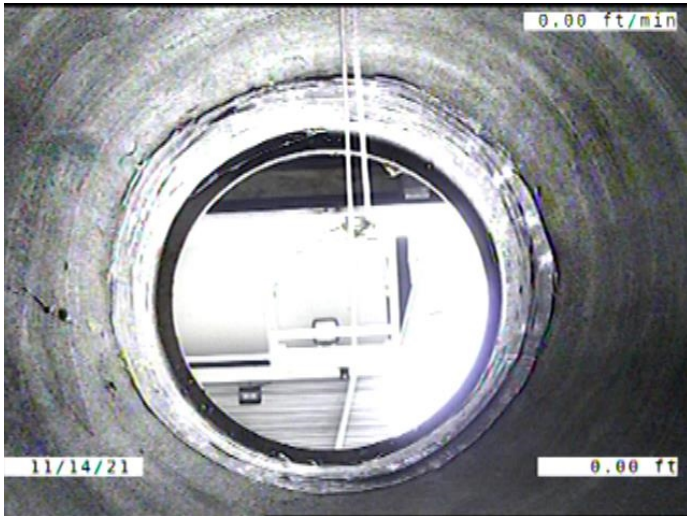
O&M Index:	<b>1.86</b>	O&M Quick:	<b>332L</b>	O&M Rating:	<b>160.00</b>
Structural Index:	<b>3.35</b>	Structural Quick:	<b>5344</b>	Structural Rating:	<b>57.00</b>
Overall Index:	<b>2.11</b>	Overall Quick:	<b>5344</b>	Overall Rating:	<b>217.00</b>

<



85.9	SSS	Surface Damage Surface Spalling	1414	S 2
86.5	CM	Crack Multiple	1462	S 3
86.5	CL	Crack Longitudinal	1487	S 2
94.4	FM	Fracture Multiple	1641	S 4
108.9	CL	Crack Longitudinal	1756	S 2
113.2	OBZ	Obstruction Other	1797	M 2
116.8	IDJ	Infiltration Dripper Joint	1847	M 3
120.9	RFJ	Roots Fine Joint	1889	M 1
127.0	SMW	Surface Damage Missing Wall	1989	S 5
138.3	IS(F03)	Infiltration Stain	2062	M 1
142.8	MMC	Miscellaneous Material Change	2110	NA
149.2	B	Broken	2210	S 4
149.6	TBI	Tap Break-in Intruding	2231	M 2
154.5	DAE(F01)	Deposits Attached Encrustation	2278	M 2
163.4	OBZ	Obstruction Other	2347	M 2
163.8	MMC	Miscellaneous Material Change	2392	NA
163.8	FS	Fracture Spiral	2412	S 3
164.9	TFD	Tap Factory Defective	2442	M 3
167.0	MMC	Miscellaneous Material Change	2506	NA
170.0	ISJ	Infiltration Stain Joint	2545	M 1
175.5	OBZ	Obstruction Construction Debris	2622	M 2
177.6	DSF(F02)	Deposits Settled Fine	2660	M 2
178.0	AMH	Manhole	2871	NA

**M-604-001**



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

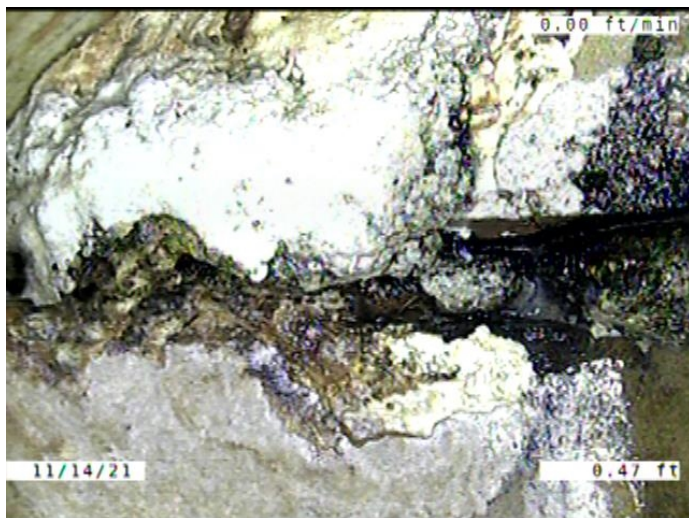
Distance (ft): **.0**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks: **M-604-002**





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

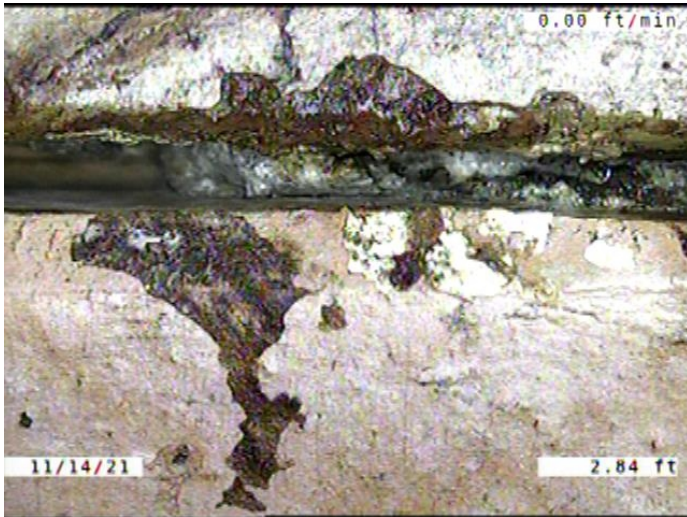
Distance (ft): **.0**  
 Structural Grade: **0**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:



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

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





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

Distance (ft): **2.8**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **7**  
 Clock To: **5**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index: **S01**  
 Within 8" of Joint: **YES**  
 Remarks:

---

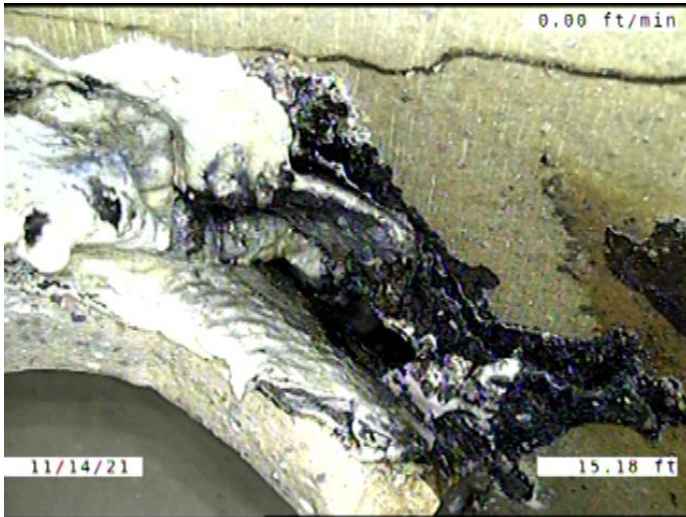


Code: **RFJ**  
 Description: **Roots Fine Joint**

Distance (ft): **13.1**  
 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: **YES**  
 Remarks:

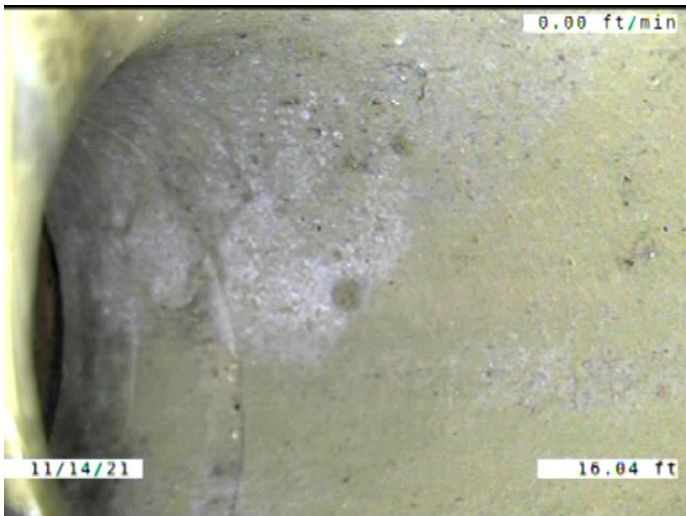
---





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

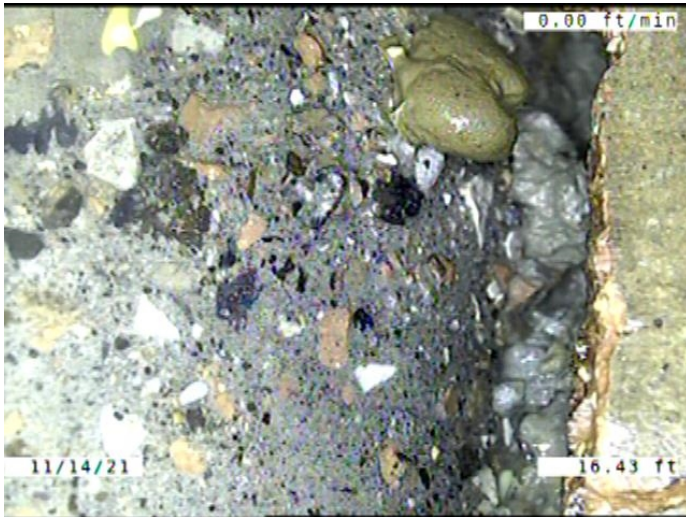
Distance (ft): **15.2**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **11**  
 Clock To: **3**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **16.0**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **12**  
 Clock To:  
 1st Value: **6.000**  
 2nd Value: **1.000**  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:





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

Distance (ft): **16.4**  
Structural Grade: **5**  
O&M Grade: **0**  
Clock Start/From: **4**  
Clock To: **7**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

---

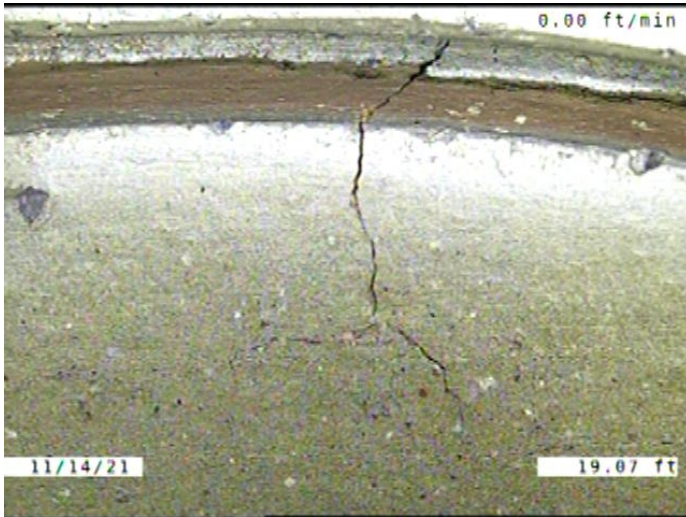


Code: **BVV**  
Description: **Broken Void Visible**

Distance (ft): **16.4**  
Structural Grade: **5**  
O&M Grade: **0**  
Clock Start/From: **3**  
Clock To: **10**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks: **SOIL VISIBLE TOO**

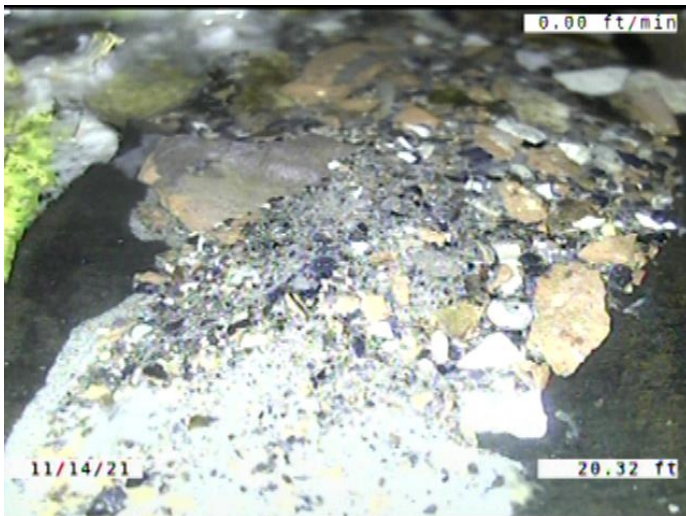
---





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

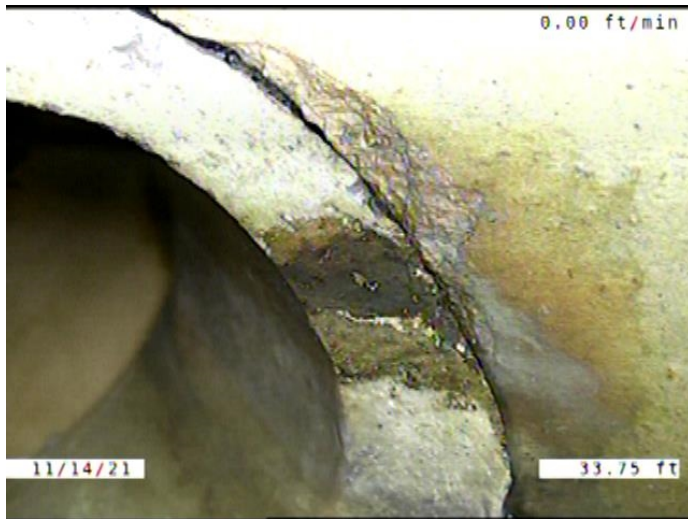
Distance (ft): **19.1**  
 Structural Grade: **3**  
 O&M Grade: **0**  
 Clock Start/From: **11**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **20.3**  
 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:

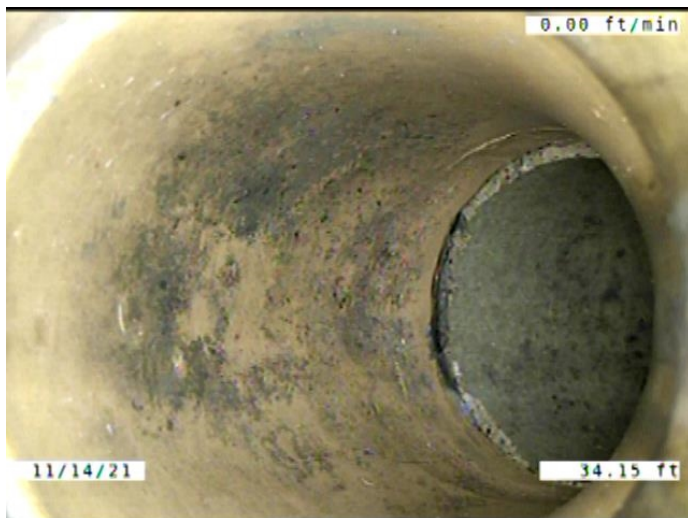




Code: **SSS**  
Description: **Surface Damage Surface Spalling**

Distance (ft): **33.7**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From: **11**  
Clock To: **3**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

---

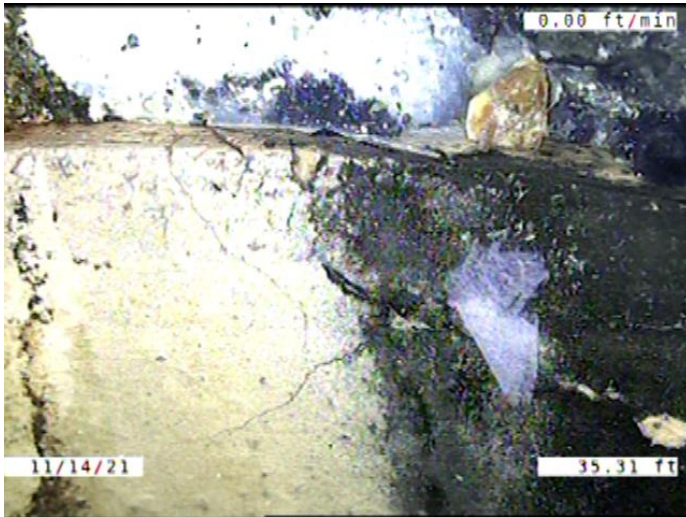


Code: **TBI**  
Description: **Tap Break-in Intruding**

Distance (ft): **34.2**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **1**  
Clock To:  
1st Value: **6.000**  
2nd Value: **1.000**  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

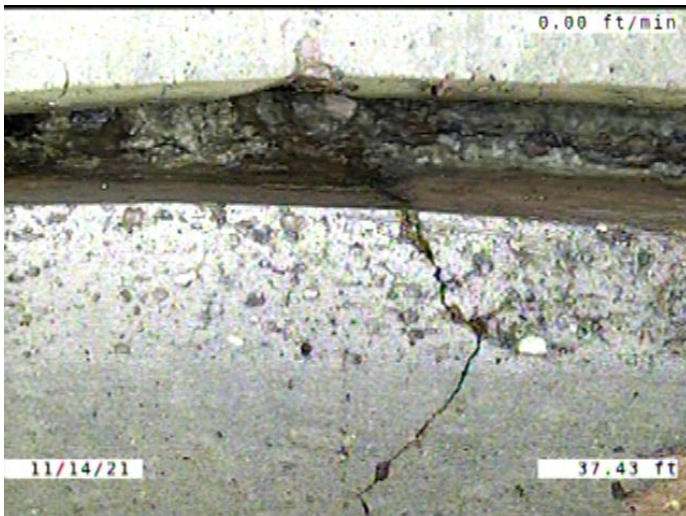
---





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

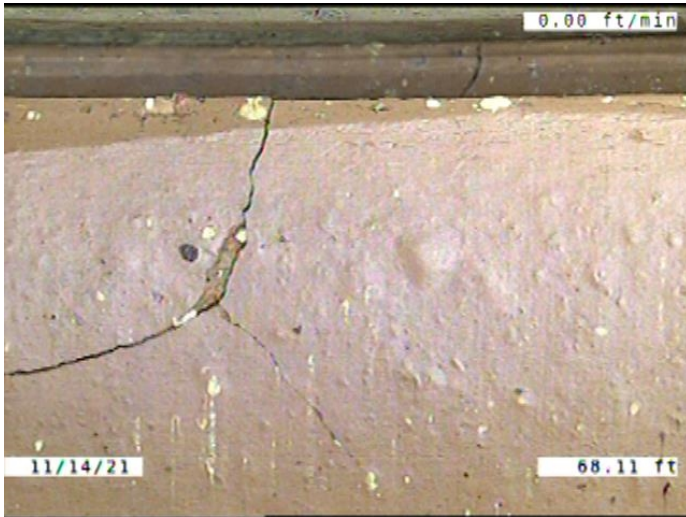
Distance (ft): **35.3**  
 Structural Grade: **3**  
 O&M Grade: **0**  
 Clock Start/From: **2**  
 Clock To: **10**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **37.4**  
 Structural Grade: **3**  
 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:

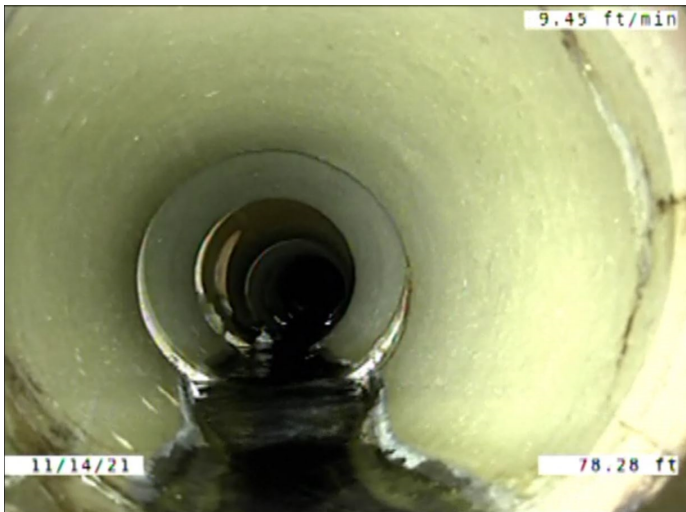




Code: **CM**  
Description: **Crack Multiple**

Distance (ft): **68.1**  
Structural Grade: **3**  
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:

---

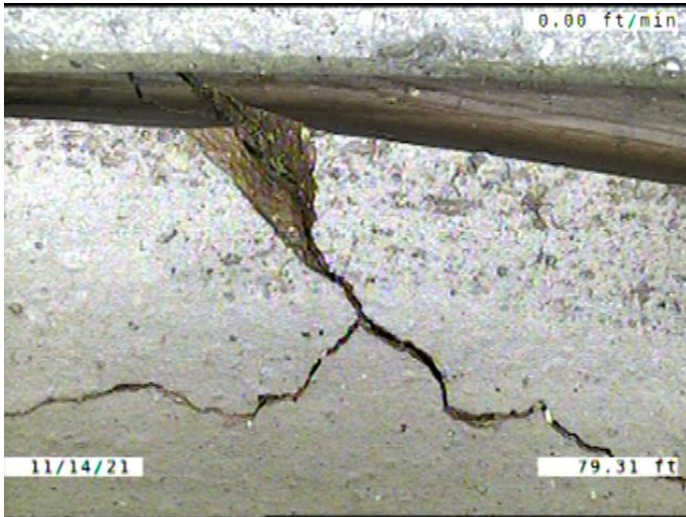


Code: **IS**  
Description: **Infiltration Stain**

Distance (ft): **78.3**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **7**  
Clock To: **5**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **S03**  
Within 8" of Joint: **YES**  
Remarks: **Wandering**

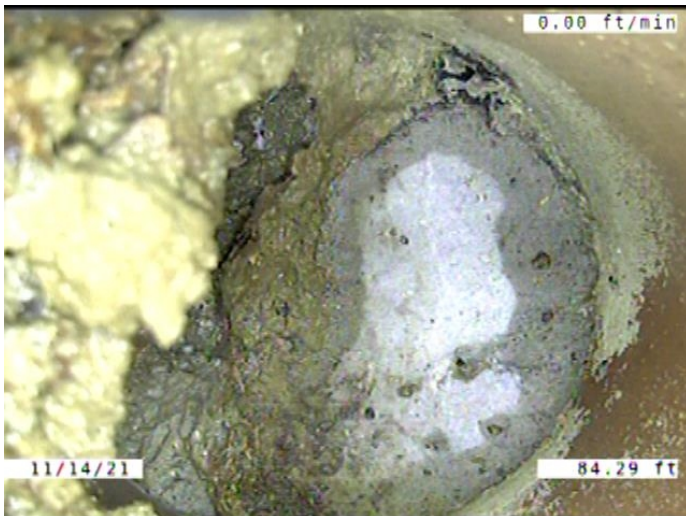
---





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

Distance (ft): **79.3**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **8**  
 Clock To: **5**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **84.3**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **9**  
 Clock To:  
 1st Value: **4.000**  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks: **CAPPED. ENCRUSTATION AROUND THE CAP.**

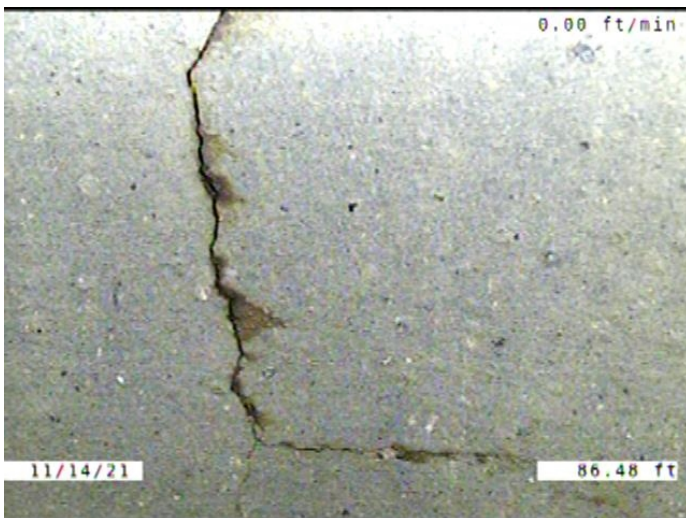




Code: **SSS**  
Description: **Surface Damage Surface Spalling**

Distance (ft): **85.9**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From: **8**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

---



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

Distance (ft): **86.5**  
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: **CL**  
 Description: **Crack Longitudinal**

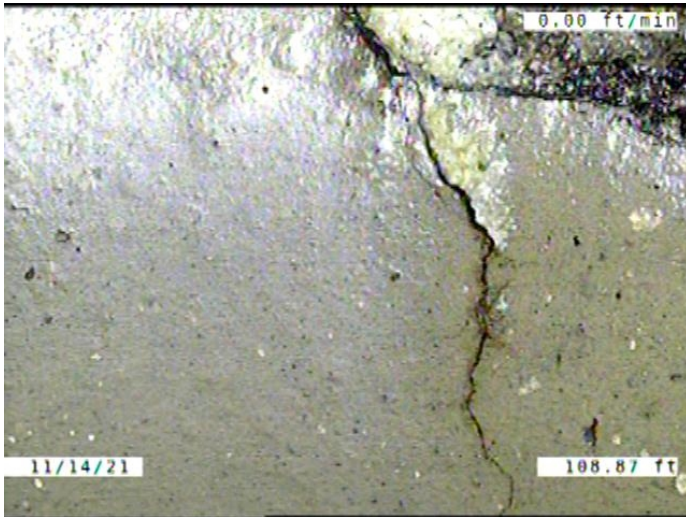
Distance (ft): **86.5**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From: **10**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

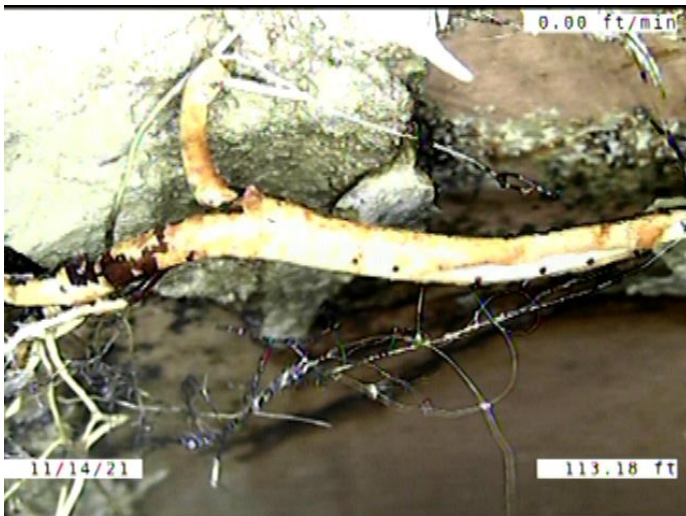
Distance (ft): **94.4**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **11**  
 Clock To: **5**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:





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

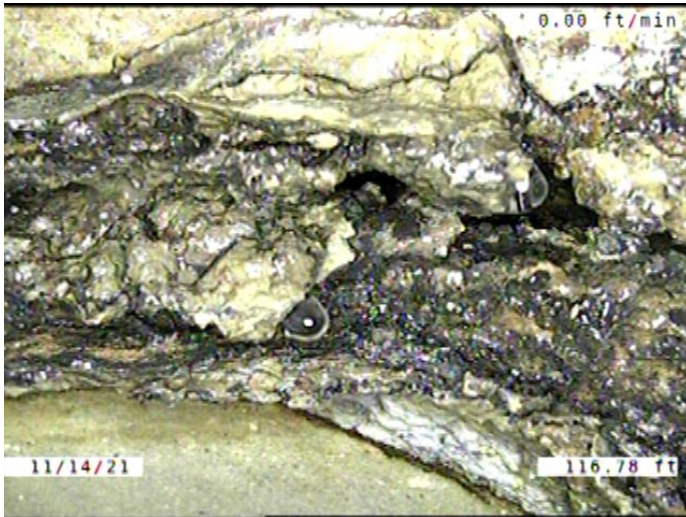
Distance (ft): **108.9**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From: **1**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



Code: **OBZ**  
 Description: **Obstruction Other**

Distance (ft): **113.2**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **6**  
 Clock To: **10**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks: **ROOT THAT HAS BEEN CUT**





Code: **IDJ**  
 Description: **Infiltration Dripper Joint**

Distance (ft): **116.8**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **1**  
 Clock To: **2**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:

---

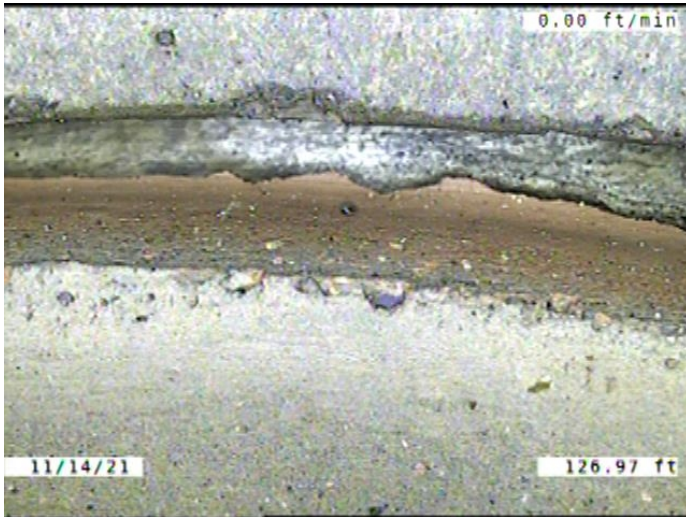


Code: **RFJ**  
 Description: **Roots Fine Joint**

Distance (ft): **120.9**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From: **9**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:

---

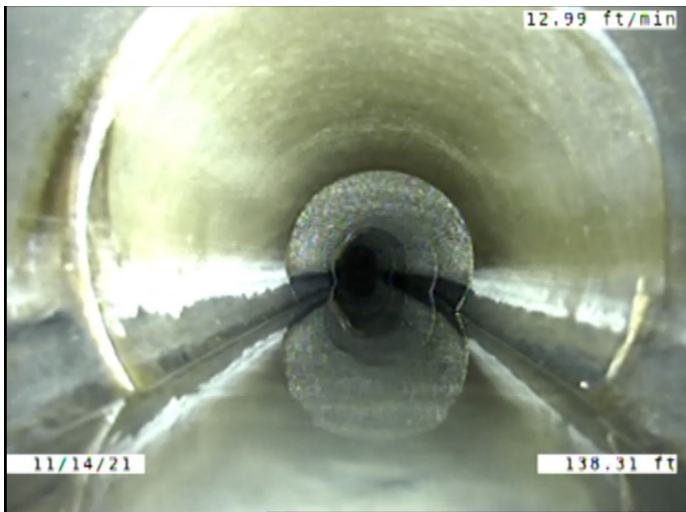




Code: **SMW**  
 Description: **Surface Damage Missing Wall**

Distance (ft): **127.0**  
 Structural Grade: **5**  
 O&M Grade: **0**  
 Clock Start/From: **11**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:

---

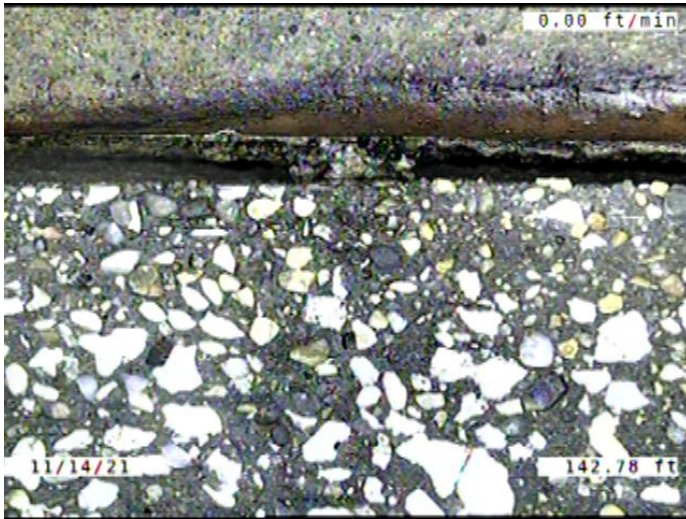


Code: **IS**  
 Description: **Infiltration Stain**

Distance (ft): **138.3**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From: **7**  
 Clock To: **5**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index: **F03**  
 Within 8" of Joint: **YES**  
 Remarks: **Wandering**

---

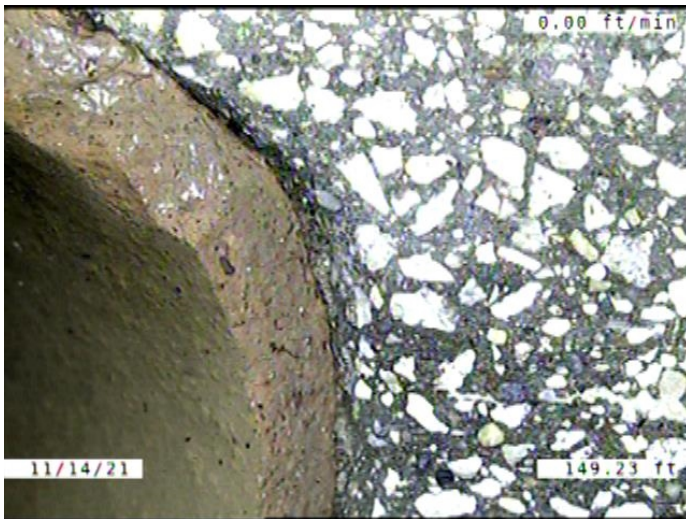




Code: **MMC**  
 Description: **Miscellaneous Material Change**

Distance (ft): **142.8**  
 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: **VCP TO CONCRETE**

---

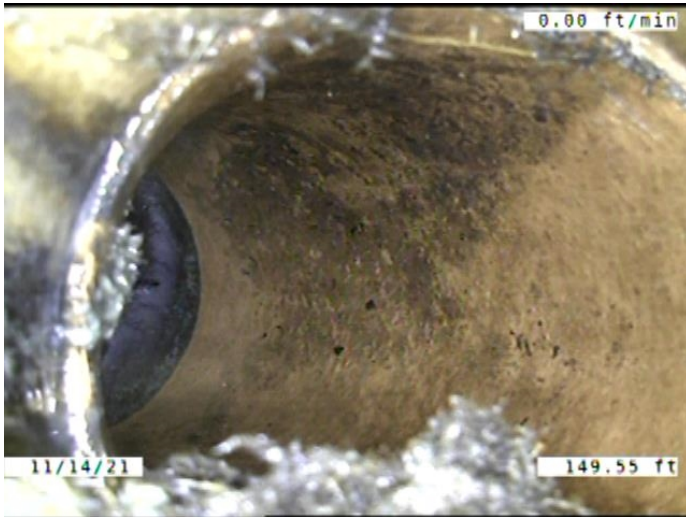


Code: **B**  
 Description: **Broken**

Distance (ft): **149.2**  
 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:

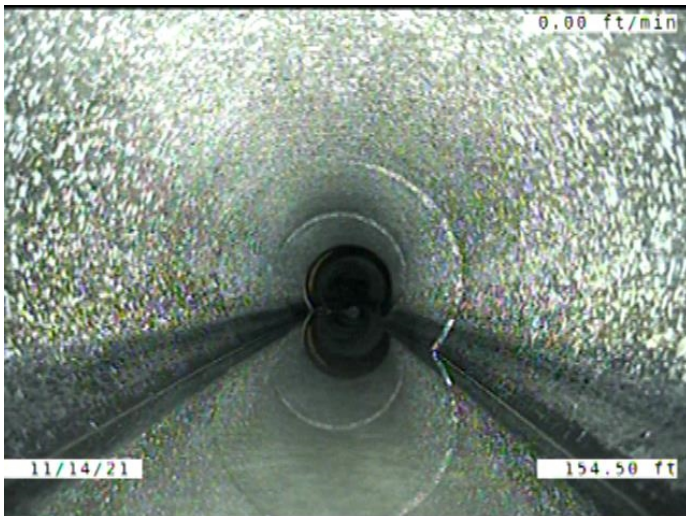
---





Code:	<b>TBI</b>
Description:	<b>Tap Break-in Intruding</b>
Distance (ft):	<b>149.6</b>
Structural Grade:	<b>0</b>
O&M Grade:	<b>2</b>
Clock Start/From:	<b>11</b>
Clock To:	
1st Value:	<b>6.000</b>
2nd Value:	<b>1.000</b>
Value Percent:	
Continuous Index:	
Within 8" of Joint:	<b>YES</b>
Remarks:	<b>CONSTANTLY RUNNING WATER. ROOTS GROWING FROM THE JOINT</b>

---



Code:	<b>DAE</b>
Description:	<b>Deposits Attached Encrustation</b>
Distance (ft):	<b>154.5</b>
Structural Grade:	<b>0</b>
O&M Grade:	<b>2</b>
Clock Start/From:	<b>7</b>
Clock To:	<b>5</b>
1st Value:	
2nd Value:	
Value Percent:	<b>5.000</b>
Continuous Index:	<b>F01</b>
Within 8" of Joint:	<b>YES</b>
Remarks:	

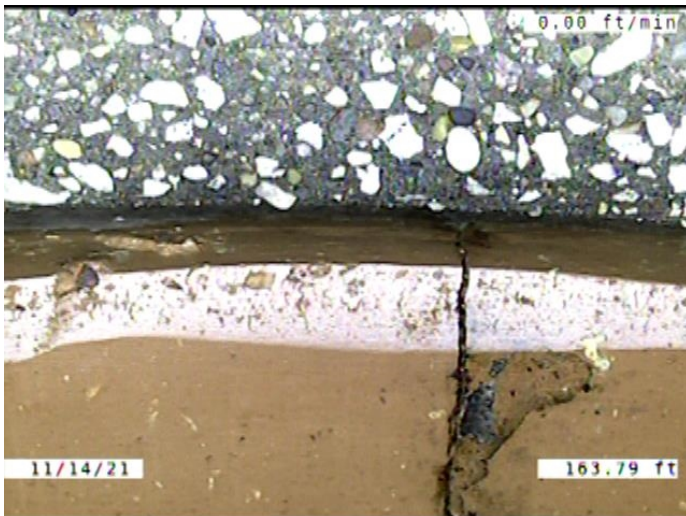
---





Code: **OBZ**  
 Description: **Obstruction Other**

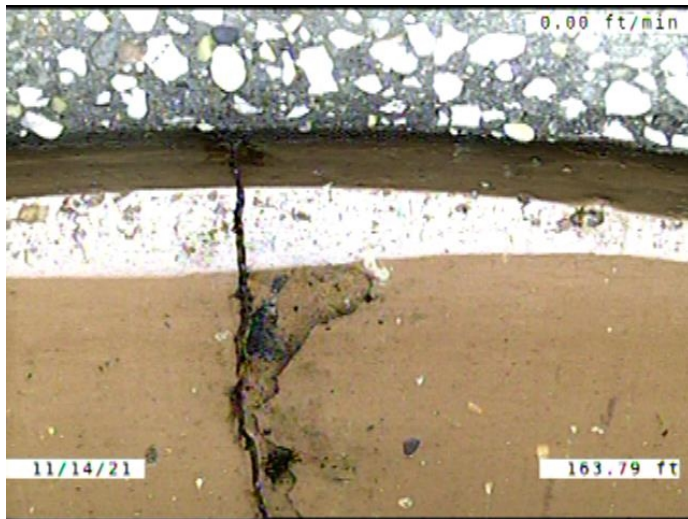
Distance (ft): **163.4**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **5**  
 Clock To: **8**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks: **ROOT THAT HAS BEEN CUT**



Code: **MMC**  
 Description: **Miscellaneous Material Change**

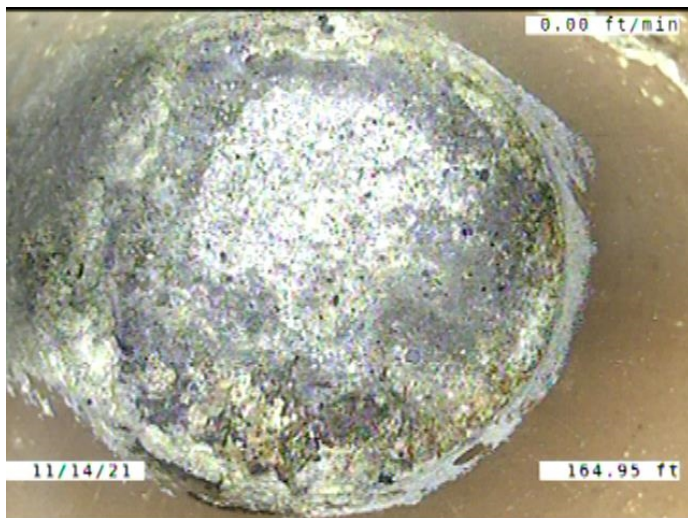
Distance (ft): **163.8**  
 Structural Grade: **0**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks: **CONCRETE TO VCP**





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

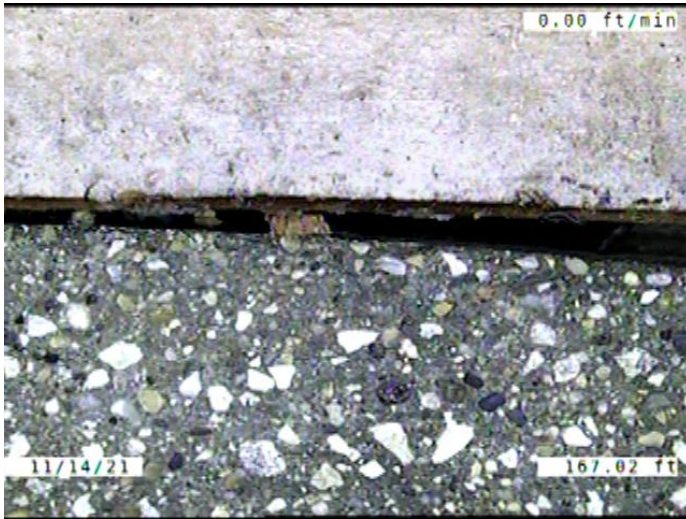
Distance (ft): **163.8**  
 Structural Grade: **3**  
 O&M Grade: **0**  
 Clock Start/From: **12**  
 Clock To: **1**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

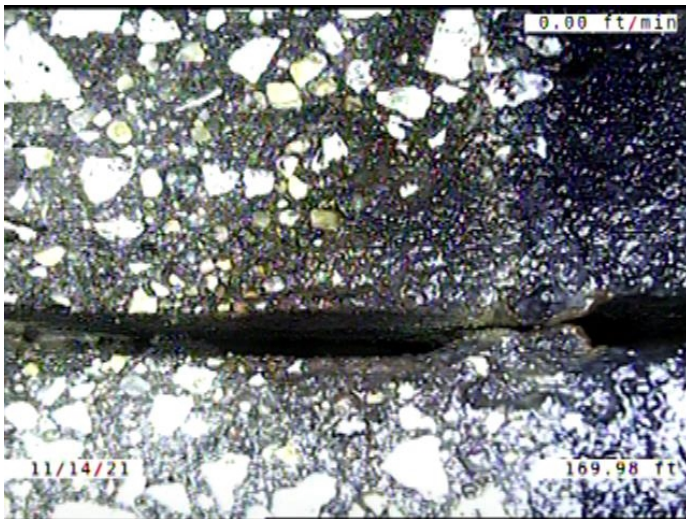
Distance (ft): **164.9**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **10**  
 Clock To:  
 1st Value: **4.000**  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks: **CAPPED. ENCRUSTATION AROUND THE CAP.**





Code: **MMC**  
 Description: **Miscellaneous Material Change**

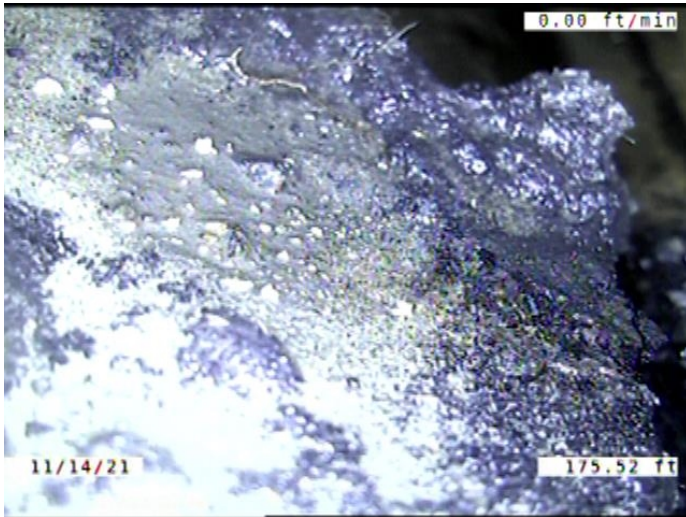
Distance (ft): **167.0**  
 Structural Grade: **0**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks: **VCP TO CONCRETE**



Code: **ISJ**  
 Description: **Infiltration Stain Joint**

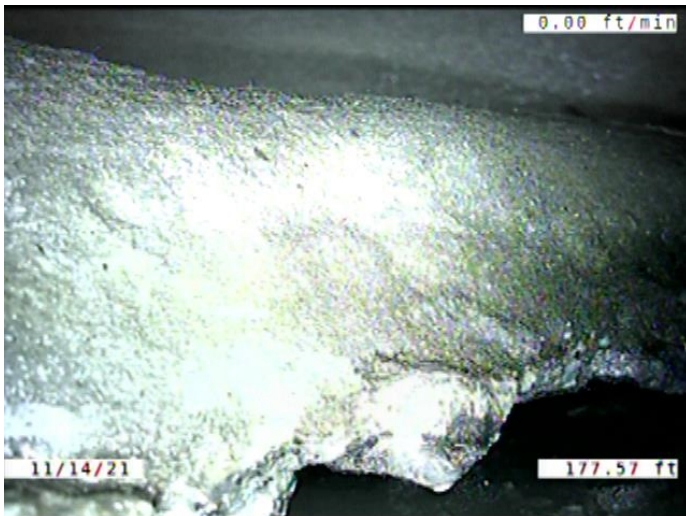
Distance (ft): **170.0**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From: **8**  
 Clock To: **9**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:





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

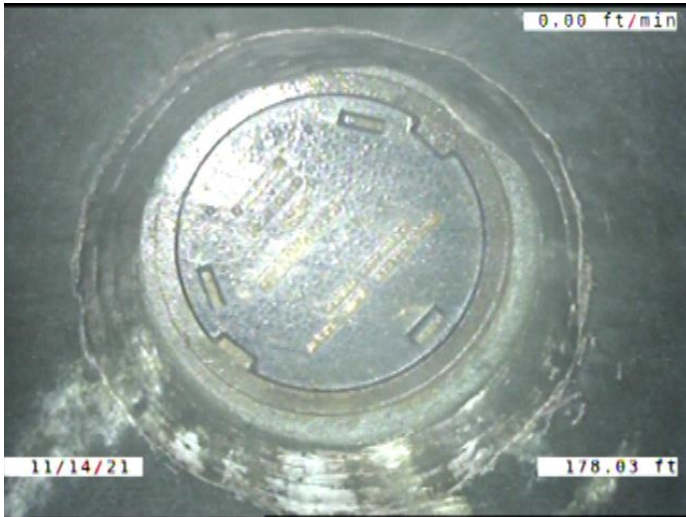
Distance (ft): **175.5**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **4**  
 Clock To: **8**  
 1st Value:  
 2nd Value:  
 Value Percent: **10.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **177.6**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **5**  
 Clock To: **7**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index: **F02**  
 Within 8" of Joint: **YES**  
 Remarks:





Code:	AMH
Description:	Manhole
Distance (ft):	178.0
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-604-001