


# Profile/Photo Observation Report



Date:	10/31/2021	Weather:		Coding:	PACP 7.0
Pipe Length (ft):	163.8	Owner:	City of Hobart	Pre Clean:	Heavy Cleaning
P.O.#:	YES502259	Surveyor:	S. Bucklin	PSR:	P-504-035-034
Customer:	City of Hobart	Clean Date:	10/27/2021	Shape:	C

Street:	North Colorado 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-504-034	DS MH:	M-504-035
		Total Length Surveyed (ft):	163.8

O&M Index:	1.88	O&M Quick:	2F15	O&M Rating:	75.00
Structural Index:	2.66	Structural Quick:	443A	Structural Rating:	85.00
Overall Index:	2.22	Overall Quick:	443A	Overall Rating:	160.00

Position	Code	Observation	Video (sec)	Grade
				
.0	AMH	Manhole	2	NA
.0	MWL	Miscellaneous Water Level	12	NA
1.5	MGO	Miscellaneous General Observation	20	NA
1.5	FM(S01)	Fracture Multiple	85	S 4
1.5	ISB	Infiltration Stain Barrel	102	M 1
2.4	DSF(S02)	Deposits Settled Fine	124	M 2
4.9	JOMD	Joint Offset Medium Defective	169	S 3
4.9	DAE	Deposits Attached Encrustation	201	M 2
5.4	FM(F01)	Fracture Multiple	221	S 4
12.4	OBZ	Obstruction Other	267	M 2
22.7	JOM	Joint Offset Medium	331	S 3
38.3	RFJ	Roots Fine Joint	432	M 1
40.3	OBZ	Obstruction Other	464	M 2
46.3	SZ	Surface Damage Other	515	NA
46.3	RFJ	Roots Fine Joint	528	M 1
65.9	MWLS(S03)	Miscellaneous Water Level Sag	616	S 2
68.9	JOM	Joint Offset Medium	641	S 3
69.1	CM	Crack Multiple	666	S 3
74.2	JOMD	Joint Offset Medium Defective	711	S 3

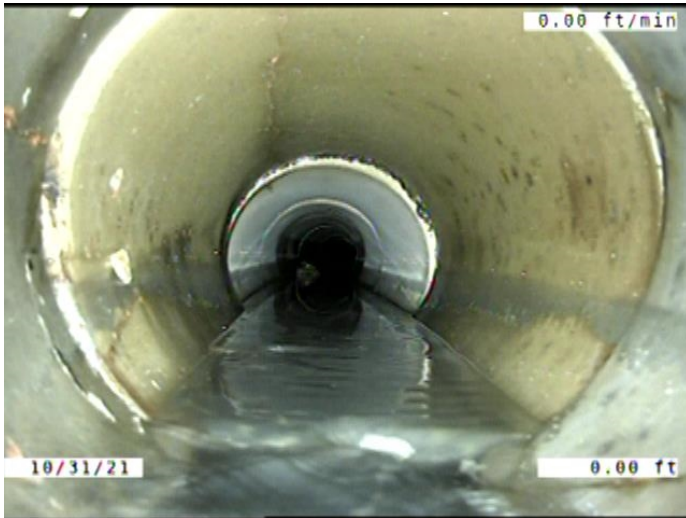
74.6	SZ	Surface Damage Other	735	NA
79.4	SSS	Surface Damage Surface Spalling	804	S 2
79.4	FM(S04)	Fracture Multiple	812	S 4
82.0	JOM	Joint Offset Medium	847	S 3
85.0	FM(F04)	Fracture Multiple	871	S 4
85.0	MWLS(F03)	Miscellaneous Water Level Sag	881	S 2
95.2	SZ	Surface Damage Other	931	NA
102.5	JOM	Joint Offset Medium	974	S 3
108.1	JAM	Joint Angular Medium	1031	S 3
110.1	MWLS(S05)	Miscellaneous Water Level Sag	1064	S 2
120.6	JOM	Joint Offset Medium	1135	S 3
120.6	CM	Crack Multiple	1164	S 3
123.2	JOM	Joint Offset Medium	1210	S 3
126.2	FM(S06)	Fracture Multiple	1270	S 4
130.7	SSS	Surface Damage Surface Spalling	1311	S 2
132.5	FM(F06)	Fracture Multiple	1369	S 4
136.0	JOMD	Joint Offset Medium Defective	1398	S 3
144.1	RFJ	Roots Fine Joint	1486	M 1
144.1	RFJ	Roots Fine Joint	1501	M 1
146.6	MWLS(F05)	Miscellaneous Water Level Sag	1528	S 2
151.5	JOM	Joint Offset Medium	1555	S 3
156.2	SSS	Surface Damage Surface Spalling	1588	S 2
157.0	B	Broken	1615	S 4
158.1	FC	Fracture Circumferential	1676	S 2
161.9	DSF(F02)	Deposits Settled Fine	1716	M 2
163.8	AMH	Manhole	1819	NA

**M-504-034**



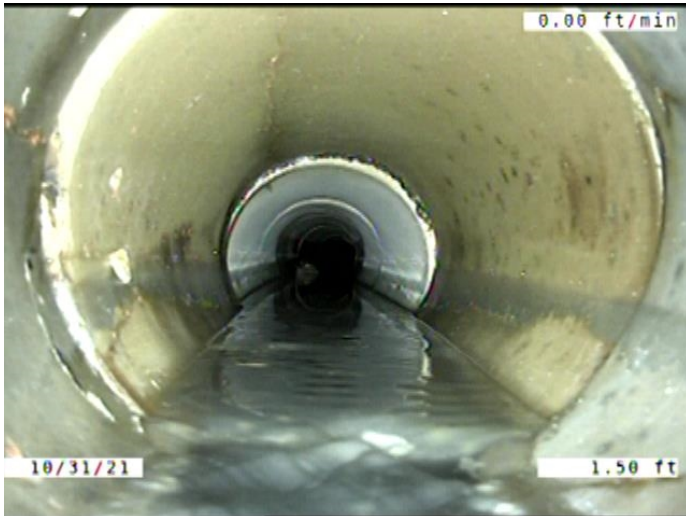
Code: **AMH**  
Description: **Manhole**

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-504-035**



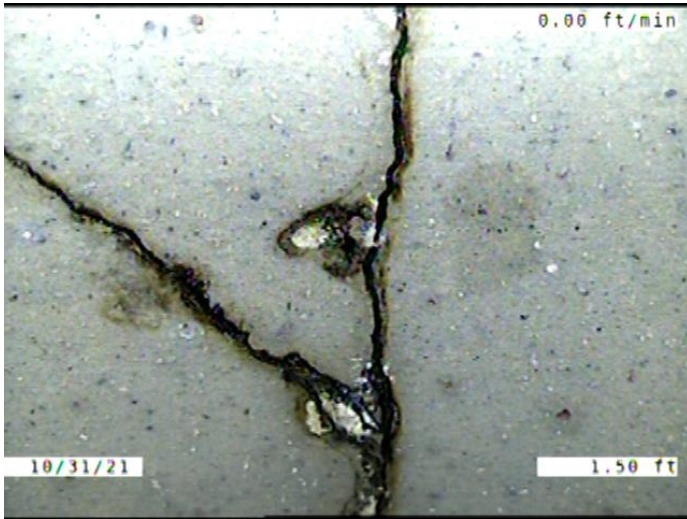
Code: **MWL**  
Description: **Miscellaneous Water Level**

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**

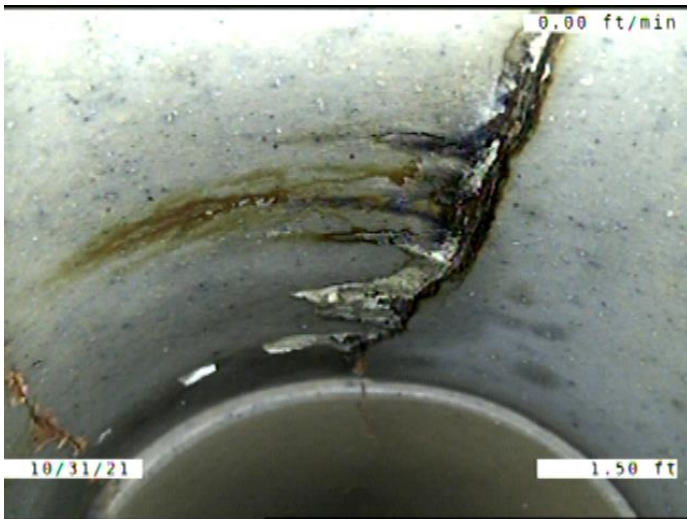
Distance (ft): **1.5**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks: **DROP INTO THE MANHOLE. HAD TO START IN THE PIPE.**



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

Distance (ft): **1.5**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **12**  
Clock To: **12**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **S01**  
Within 8" of Joint: **YES**  
Remarks:

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

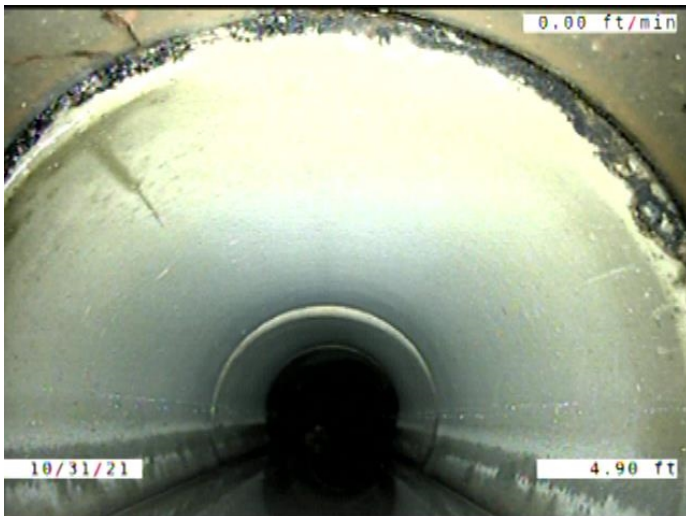
Distance (ft): **1.5**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **7**  
Clock To: **5**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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

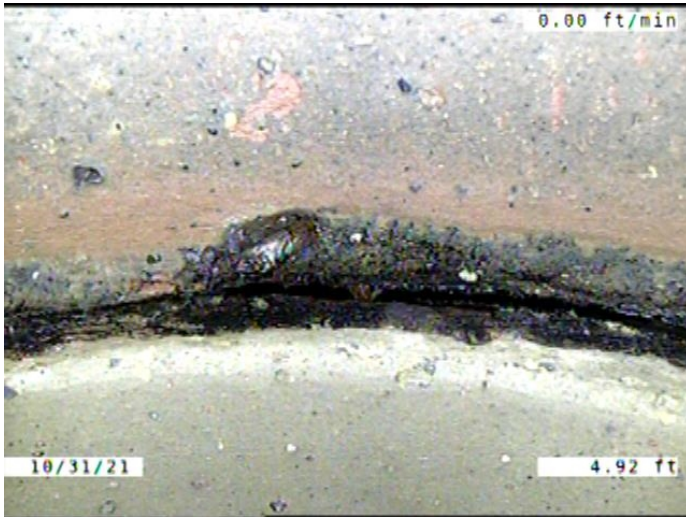
Distance (ft): **2.4**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **5**  
 Clock To: **7**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index: **S02**  
 Within 8" of Joint: **YES**  
 Remarks:



Code: **JOMD**  
 Description: **Joint Offset Medium Defective**

Distance (ft): **4.9**  
 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:

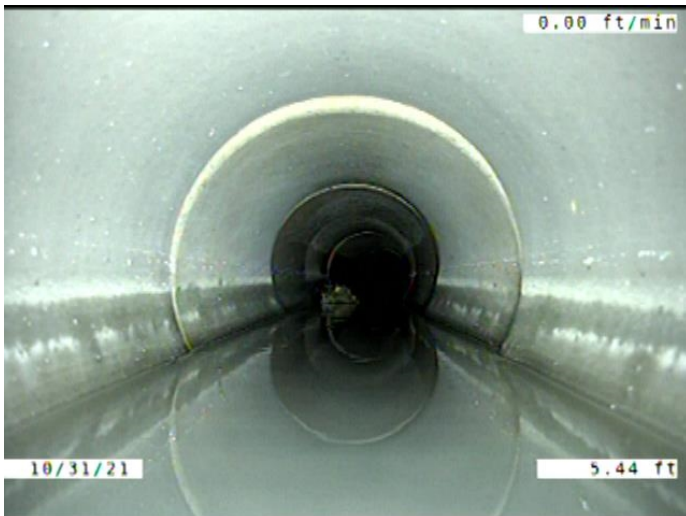




Code: **DAE**  
Description: **Deposits Attached Encrustation**

Distance (ft): **4.9**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **9**  
Clock To: **3**  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

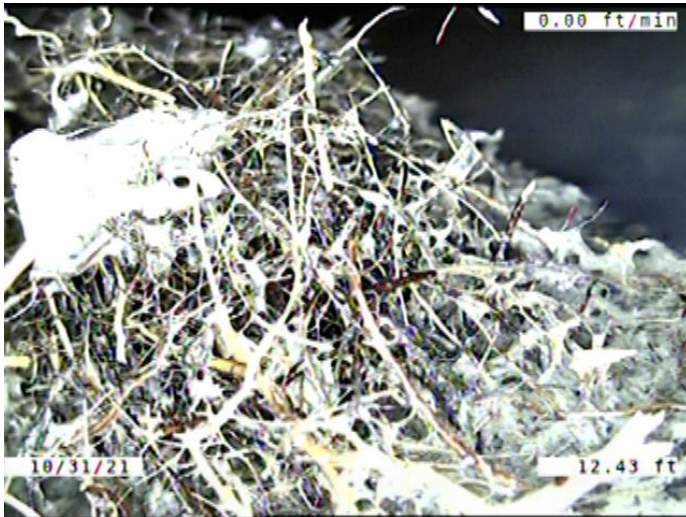
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Code: **FM**  
Description: **Fracture Multiple**

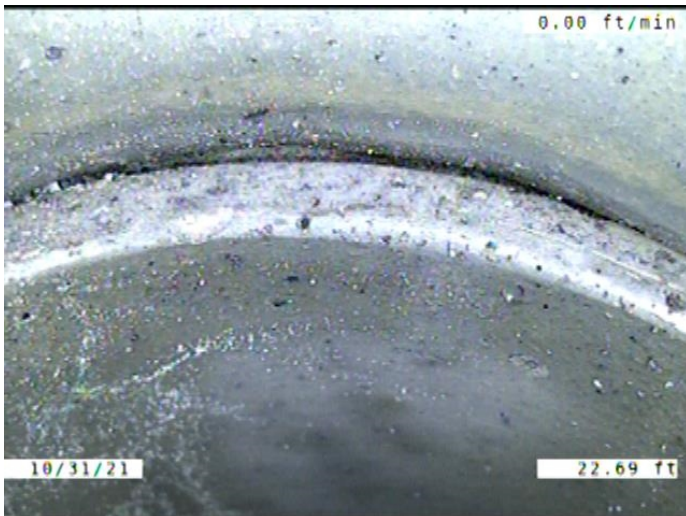
Distance (ft): **5.4**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **12**  
Clock To: **12**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **F01**  
Within 8" of Joint: **YES**  
Remarks:

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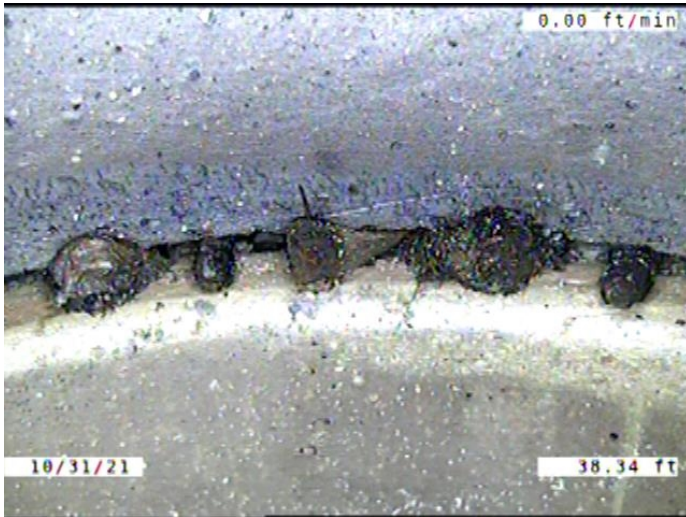
Code: **OBZ**  
 Description: **Obstruction Other**

Distance (ft): **12.4**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **6**  
 Clock To: **8**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks: **ROOTS THAT HAVE BEEN CUT**



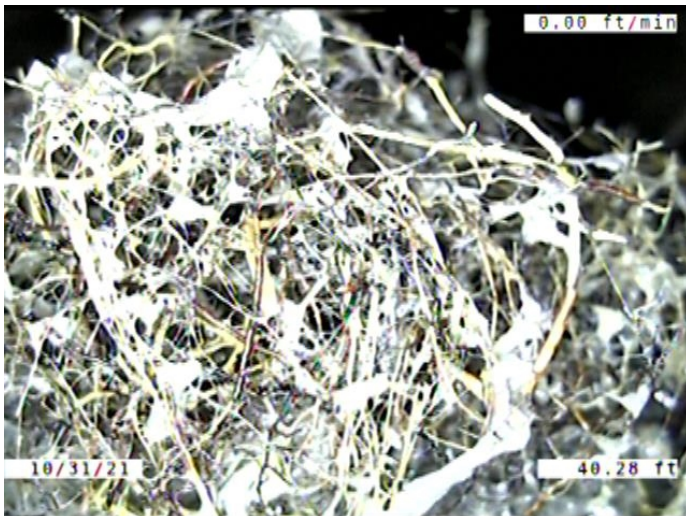
Code: **JOM**  
 Description: **Joint Offset Medium**

Distance (ft): **22.7**  
 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: **RFJ**  
 Description: **Roots Fine Joint**

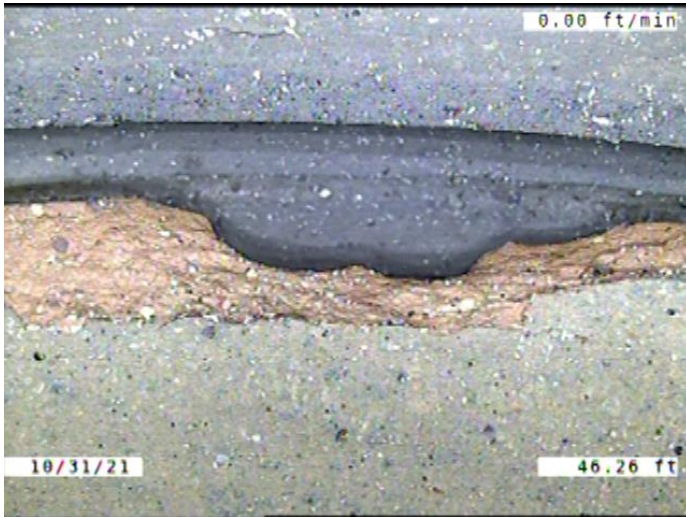
Distance (ft): **38.3**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From: **10**  
 Clock To: **12**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



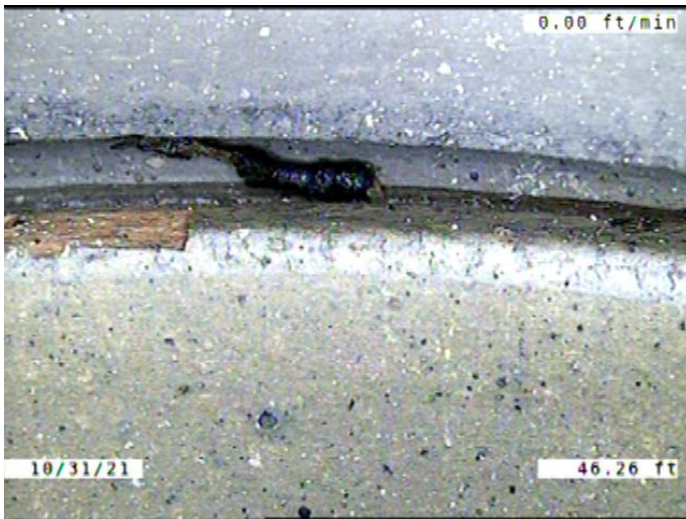
Code: **OBZ**  
 Description: **Obstruction Other**

Distance (ft): **40.3**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **5**  
 Clock To: **7**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks: **ROOTS THAT HAVE BEEN CUT**

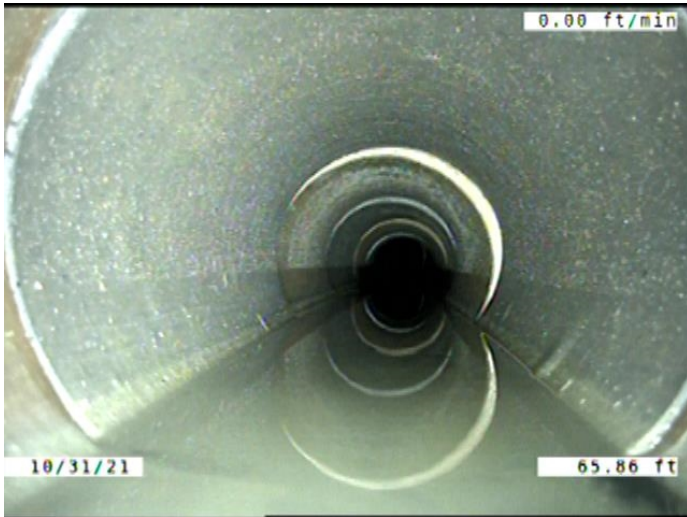




Code:	<b>SZ</b>
Description:	<b>Surface Damage Other</b>
Distance (ft):	<b>46.3</b>
Structural Grade:	<b>0</b>
O&M Grade:	<b>0</b>
Clock Start/From:	<b>12</b>
Clock To:	<b>2</b>
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	<b>YES</b>
Remarks:	<b>A PIECE CHIPPED AWAY FROM THE JOINT</b>

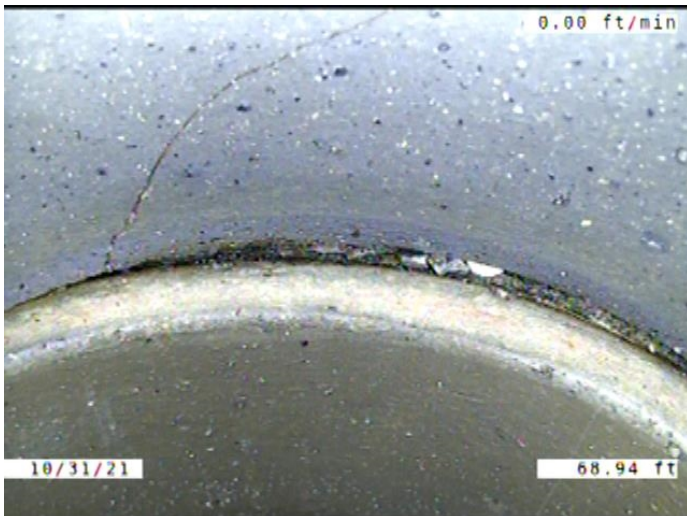


Code:	<b>RFJ</b>
Description:	<b>Roots Fine Joint</b>
Distance (ft):	<b>46.3</b>
Structural Grade:	<b>0</b>
O&M Grade:	<b>1</b>
Clock Start/From:	<b>2</b>
Clock To:	<b>3</b>
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	<b>YES</b>
Remarks:	



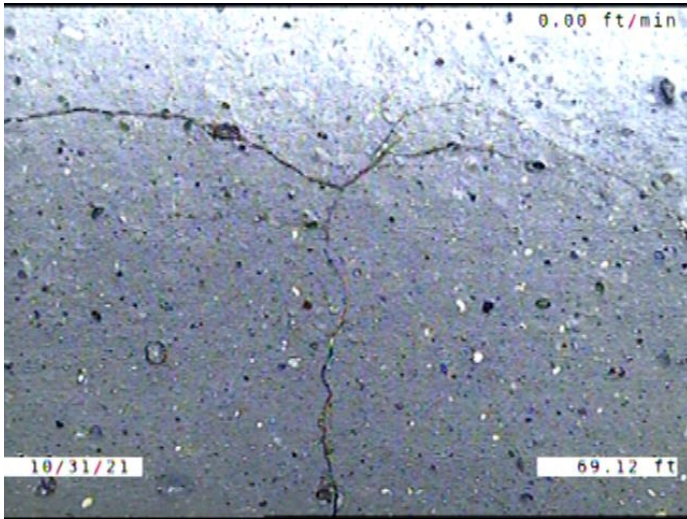
Code: **MWLS**  
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **65.9**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **10.000**  
 Continuous Index: **S03**  
 Within 8" of Joint: **NO**  
 Remarks:



Code: **JOM**  
 Description: **Joint Offset Medium**

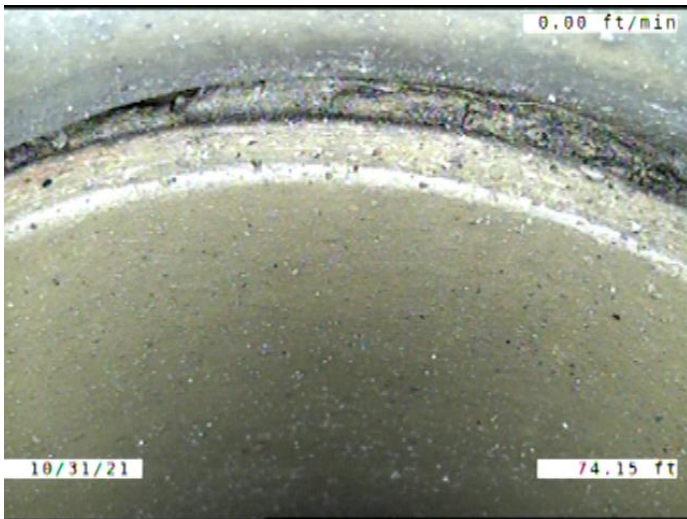
Distance (ft): **68.9**  
 Structural Grade: **3**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:



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

Distance (ft): **69.1**  
Structural Grade: **3**  
O&M Grade: **0**  
Clock Start/From: **12**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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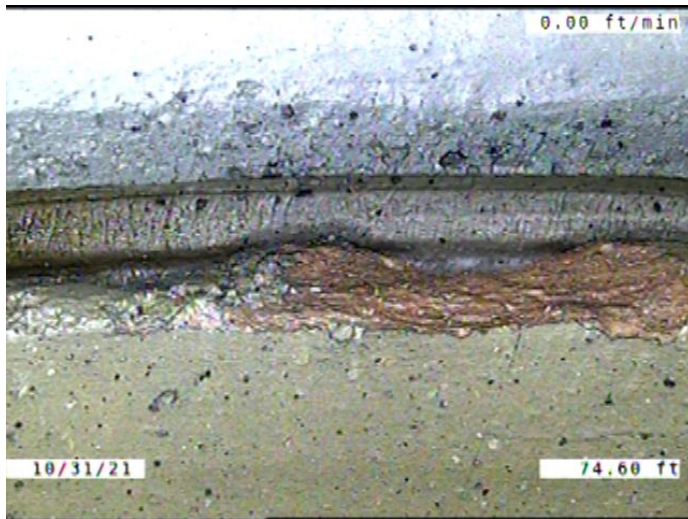


Code: **JOMD**  
Description: **Joint Offset Medium Defective**

Distance (ft): **74.2**  
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:

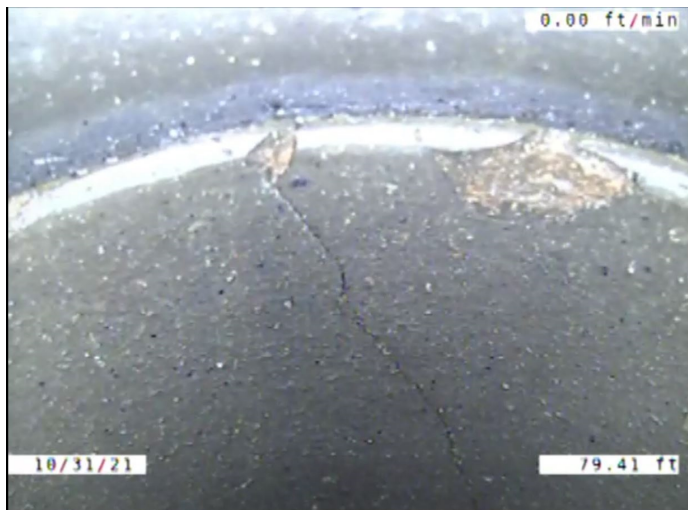
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Code: **SZ**  
Description: **Surface Damage Other**

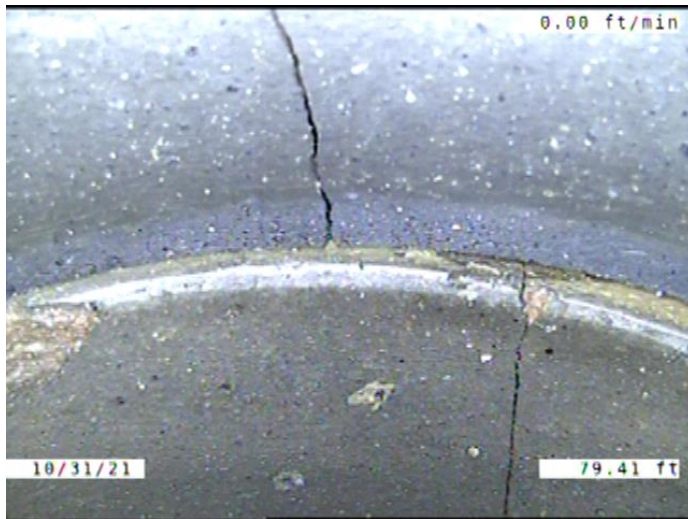
Distance (ft): **74.6**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From: **8**  
Clock To: **10**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks: **A PIECE CHIPPED AWAY FROM THE JOINT**



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

Distance (ft): **79.4**  
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:

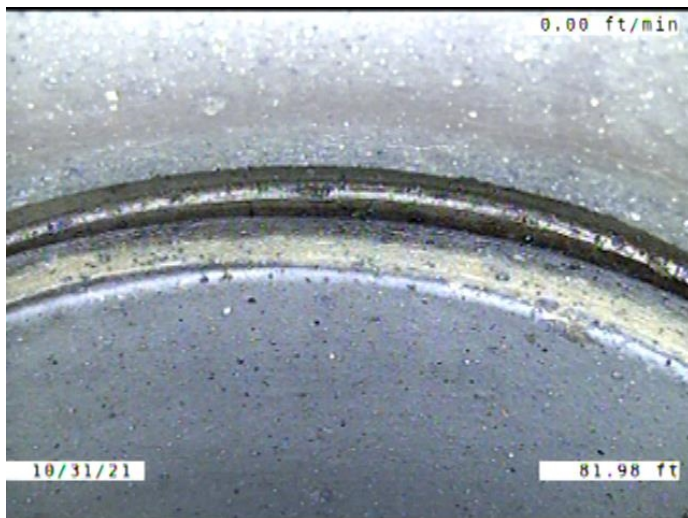




Code: **FM**  
Description: **Fracture Multiple**

Distance (ft): **79.4**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **10**  
Clock To: **1**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **S04**  
Within 8" of Joint: **YES**  
Remarks:

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Code: **JOM**  
Description: **Joint Offset Medium**

Distance (ft): **82.0**  
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:

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

Distance (ft): **85.0**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **10**  
Clock To: **1**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **F04**  
Within 8" of Joint: **YES**  
Remarks:

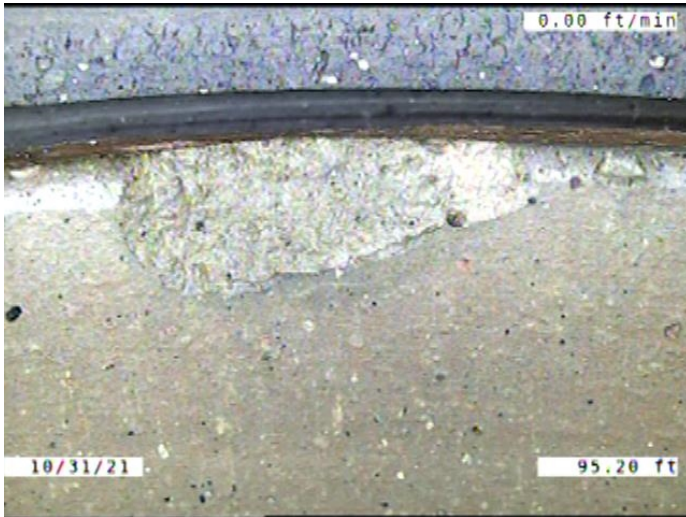
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Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

Distance (ft): **85.0**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **10.000**  
Continuous Index: **F03**  
Within 8" of Joint: **NO**  
Remarks:

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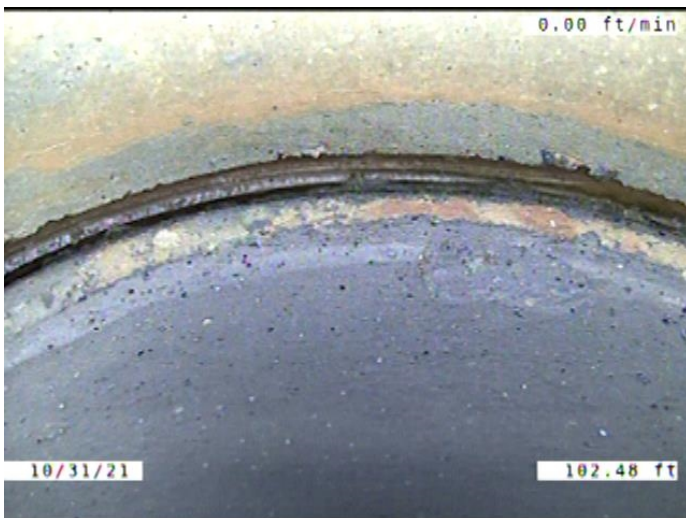


Code: **SZ**  
 Description: **Surface Damage Other**

Distance (ft): **95.2**  
 Structural Grade: **0**  
 O&M Grade: **0**  
 Clock Start/From: **11**  
 Clock To: **2**

1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint:

**YES**  
**A COUPLE PIECES CHIPPED AWAY FROM THE JOINT**



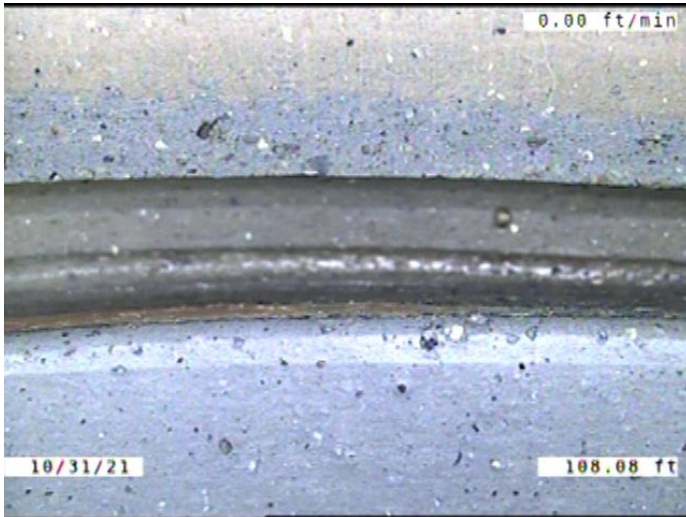
Code: **JOM**  
 Description: **Joint Offset Medium**

Distance (ft): **102.5**  
 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**

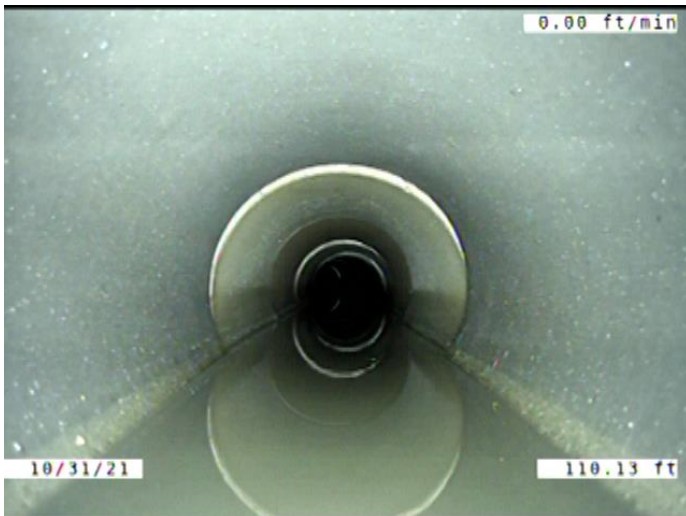




Code: **JAM**  
Description: **Joint Angular Medium**

Distance (ft): **108.1**  
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:

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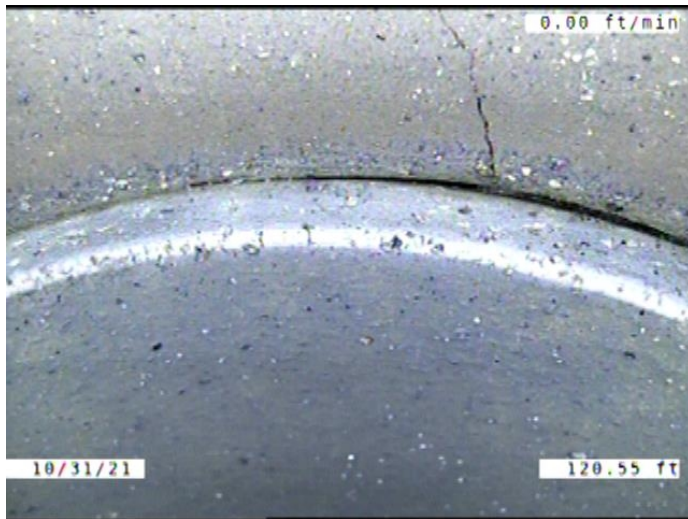


Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

Distance (ft): **110.1**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **10.000**  
Continuous Index: **S05**  
Within 8" of Joint: **NO**  
Remarks:

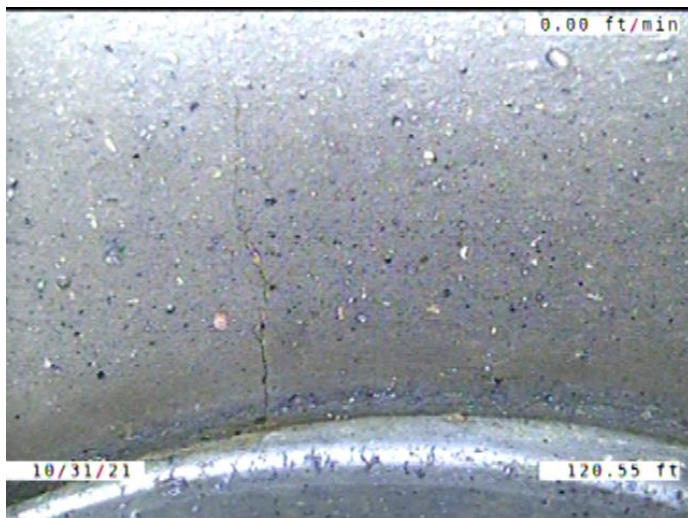
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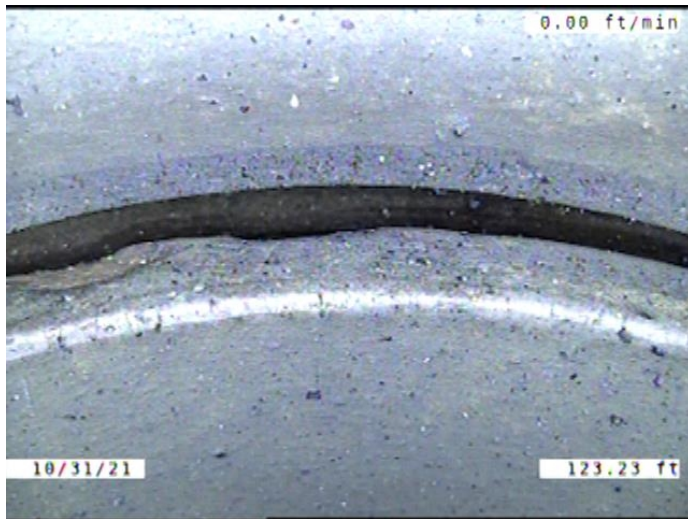
Code: **JOM**  
 Description: **Joint Offset Medium**

Distance (ft): **120.6**  
 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:



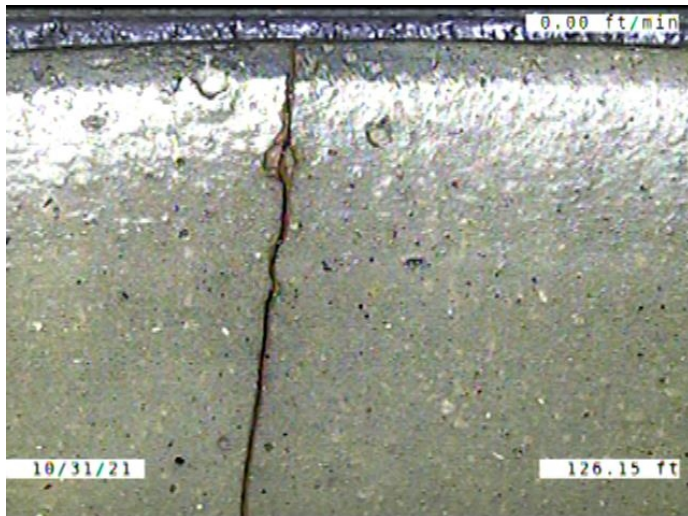
Code: **CM**  
 Description: **Crack Multiple**

Distance (ft): **120.6**  
 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: **JOM**  
 Description: **Joint Offset Medium**

Distance (ft): **123.2**  
 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:



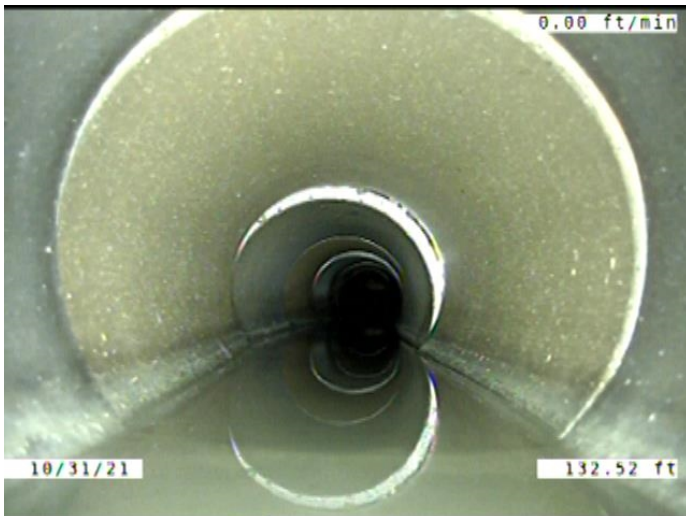
Code: **FM**  
 Description: **Fracture Multiple**

Distance (ft): **126.2**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **9**  
 Clock To: **2**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index: **S06**  
 Within 8" of Joint: **YES**  
 Remarks:



Code:	<b>SSS</b>
Description:	<b>Surface Damage Surface Spalling</b>
Distance (ft):	<b>130.7</b>
Structural Grade:	<b>2</b>
O&M Grade:	<b>0</b>
Clock Start/From:	<b>11</b>
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	<b>YES</b>
Remarks:	

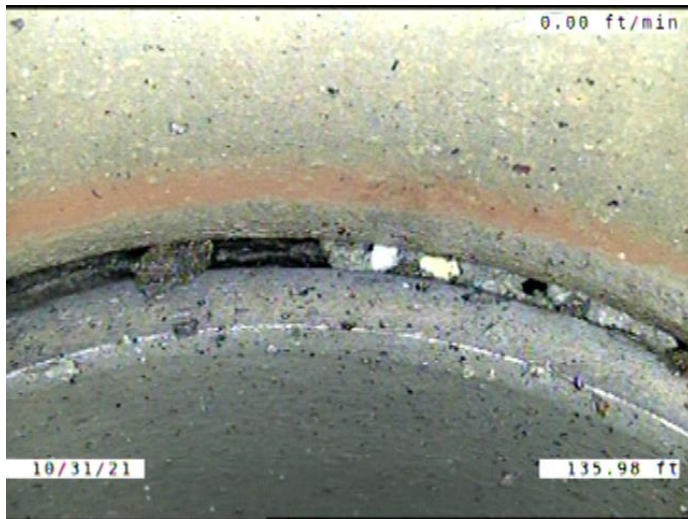
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Code:	<b>FM</b>
Description:	<b>Fracture Multiple</b>
Distance (ft):	<b>132.5</b>
Structural Grade:	<b>4</b>
O&M Grade:	<b>0</b>
Clock Start/From:	<b>9</b>
Clock To:	<b>2</b>
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	<b>F06</b>
Within 8" of Joint:	<b>YES</b>
Remarks:	

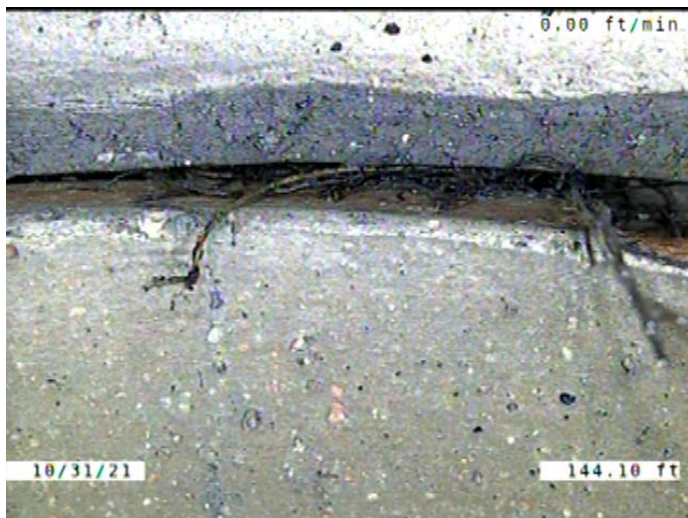
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Code: **JOMD**  
 Description: **Joint Offset Medium Defective**

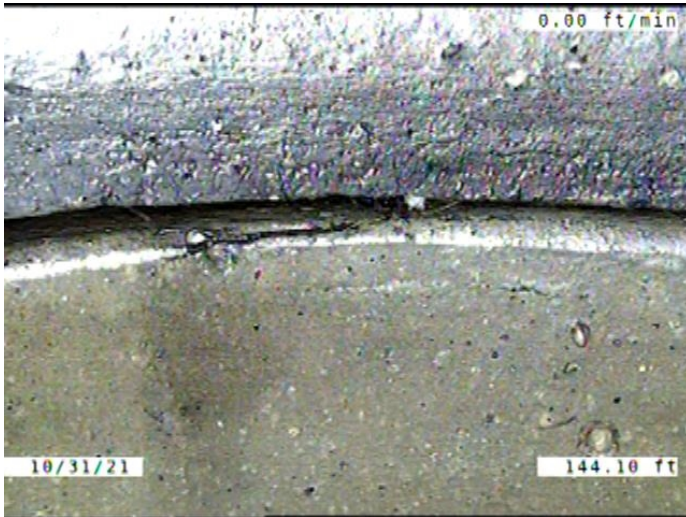
Distance (ft): **136.0**  
 Structural Grade: **3**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:



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

Distance (ft): **144.1**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From: **1**  
 Clock To: **3**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:

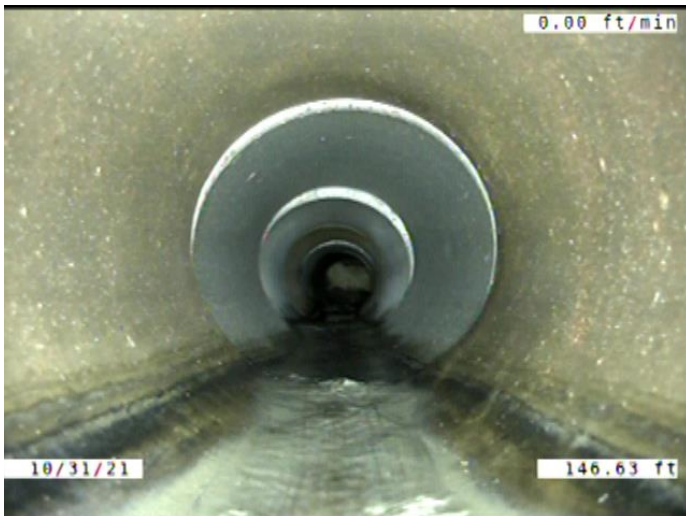




Code: **RFJ**  
Description: **Roots Fine Joint**

Distance (ft): **144.1**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **9**  
Clock To: **10**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

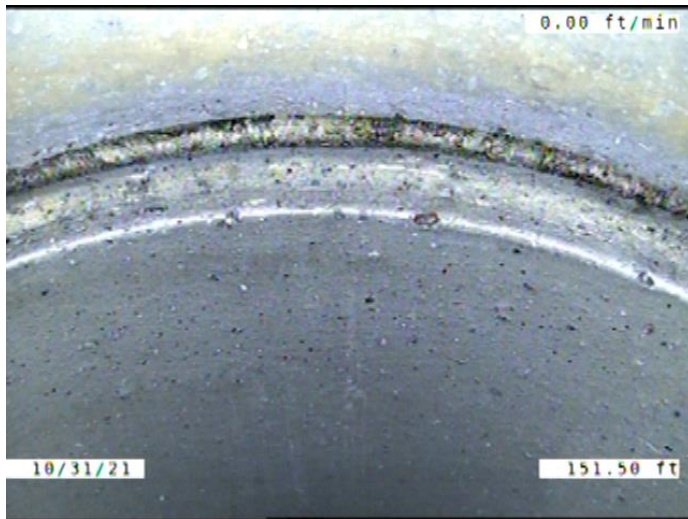
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Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

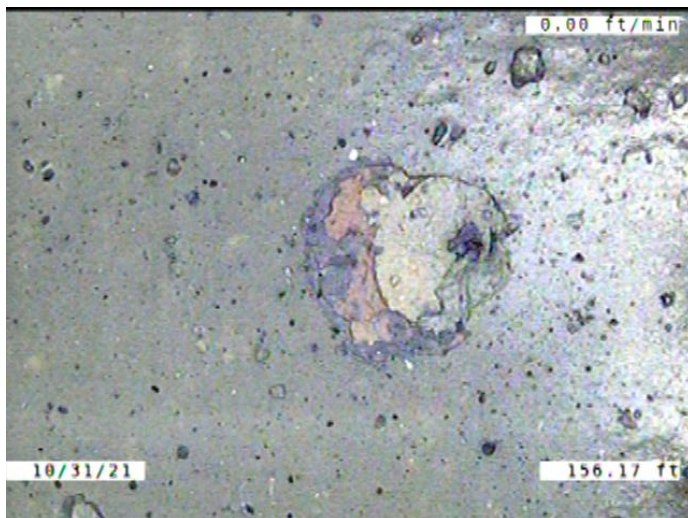
Distance (ft): **146.6**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **10.000**  
Continuous Index: **F05**  
Within 8" of Joint: **NO**  
Remarks:

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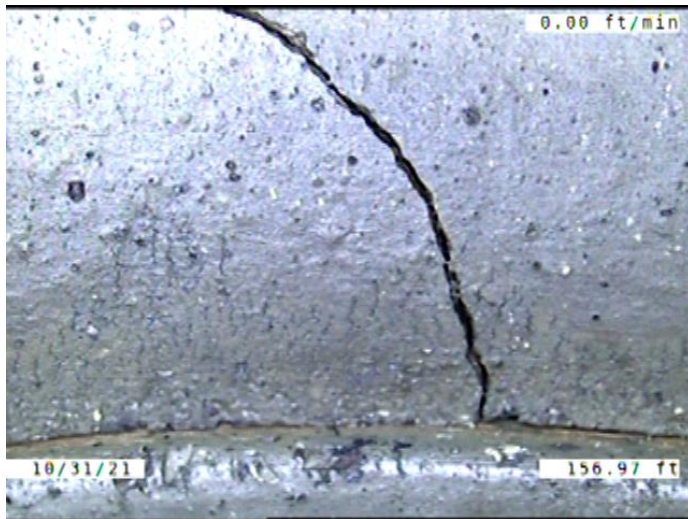
Code: **JOM**  
 Description: **Joint Offset Medium**

Distance (ft): **151.5**  
 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:



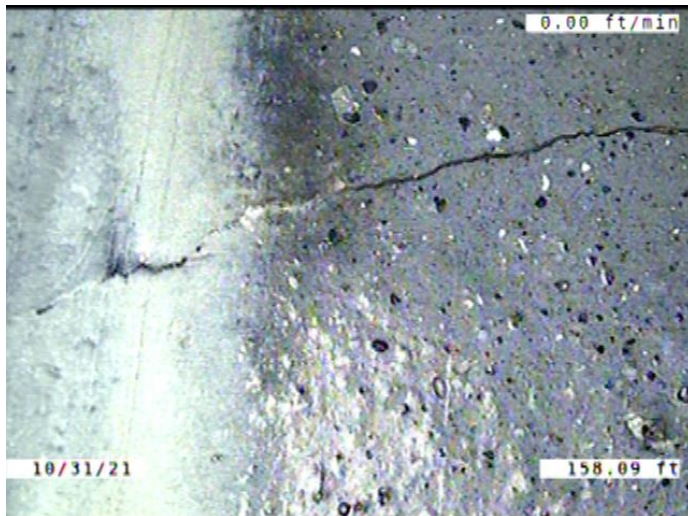
Code: **SSS**  
 Description: **Surface Damage Surface Spalling**

Distance (ft): **156.2**  
 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: **YES**  
 Remarks:



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

Distance (ft): **157.0**  
 Structural Grade: **4**  
 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: **FC**  
 Description: **Fracture Circumferential**

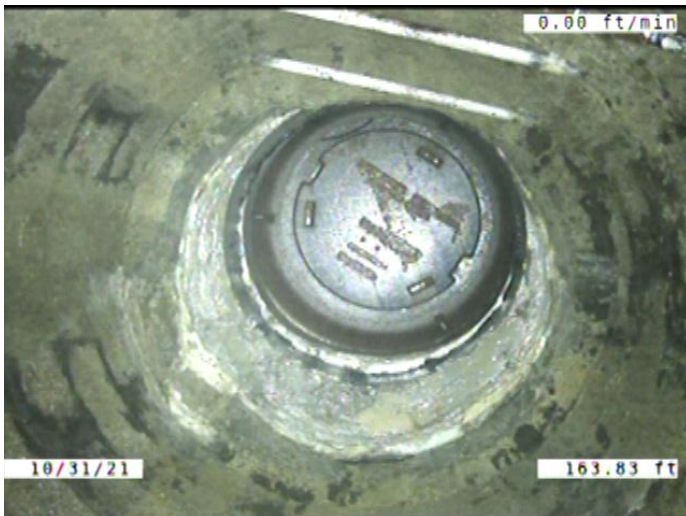
Distance (ft): **158.1**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From: **12**  
 Clock To: **12**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:





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

Distance (ft): **161.9**  
 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): **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: **M-504-034**