

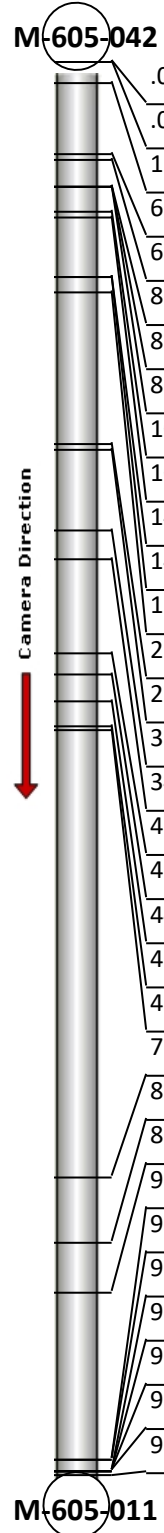
## Profile/Photo Observation Report



Date:	<b>11/18/2021</b>	Weather:		Coding:	<b>PACP 7.0</b>
Pipe Length (ft):	<b>233.0</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-605-042-011</b>
Customer:	<b>City of Hobart</b>	Clean Date:	<b>11/17/2021</b>	Shape:	<b>C</b>

Street:	<b>South Washington 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>12"</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>Upstream</b>
US MH:	<b>M-605-011</b>	DS MH:	<b>M-605-042</b>
		Total Length Surveyed (ft):	<b>98.0</b>

O&M Index:	<b>2.06</b>	O&M Quick:	<b>322D</b>	O&M Rating:	<b>64.00</b>
Structural Index:	<b>3.42</b>	Structural Quick:	<b>514A</b>	Structural Rating:	<b>106.00</b>
Overall Index:	<b>2.74</b>	Overall Quick:	<b>514A</b>	Overall Rating:	<b>170.00</b>

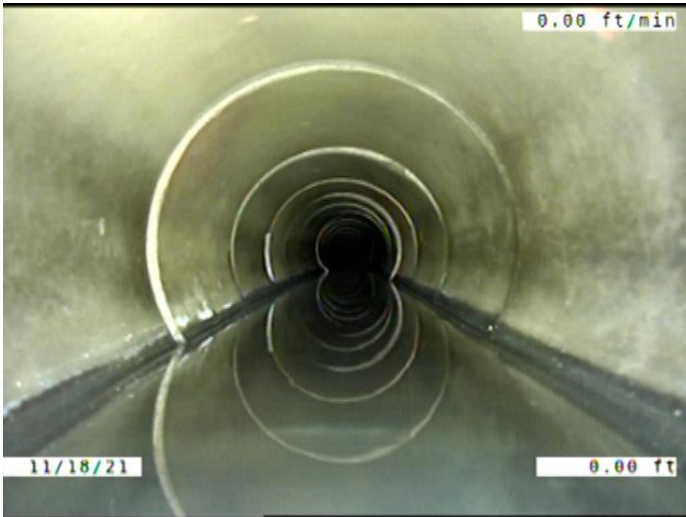
	Position	Code	Observation	Video (sec)	Grade
	M-605-042				
	.0	AMH	Manhole	1	NA
	.0	MWL	Miscellaneous Water Level	13	NA
	1.5	MGO	Miscellaneous General Observation	22	NA
	6.4	CM	Crack Multiple	64	S 3
	6.8	SZ	Surface Damage Other	83	NA
	8.6	SZ	Surface Damage Other	113	NA
	8.6	CM	Crack Multiple	155	S 3
	8.6	DAE	Deposits Attached Encrustation	174	M 2
	10.4	JOMD	Joint Offset Medium Defective	199	S 3
	10.8	CM	Crack Multiple	232	S 3
	14.9	JOMD	Joint Offset Medium Defective	272	S 3
	14.9	CM	Crack Multiple	294	S 3
	16.0	CM(S01)	Crack Multiple	339	S 3
	26.5	FM(S02)	Fracture Multiple	452	S 4
	26.9	DAE(S03)	Deposits Attached Encrustation	482	M 2
	32.5	DAE(S04)	Deposits Attached Encrustation	539	M 2
	34.5	CM(F01)	Crack Multiple	563	S 3
	41.0	JOMD	Joint Offset Medium Defective	601	S 3
	42.5	TF	Tap Factory	622	NA
	44.4	TF	Tap Factory	649	NA
	46.1	BSV	Broken Soil Visible	702	S 5
	46.3	TBD	Tap Break-in/Hammer Defective	721	M 3
	77.4	JOMD	Joint Offset Medium Defective	856	S 3
	81.9	MWLS(S05)	Miscellaneous Water Level Sag	895	S 2
	85.3	JOMD	Joint Offset Medium Defective	926	S 3
	97.0	TFD	Tap Factory Defective	1019	M 3
	97.0	DAE	Deposits Attached Encrustation	1035	M 2
	97.7	FM(F02)	Fracture Multiple	1069	S 4
	97.7	DAE(F03)	Deposits Attached Encrustation	1077	M 2
	97.7	DAE(F04)	Deposits Attached Encrustation	1085	M 2
	97.7	MWLS(F05)	Miscellaneous Water Level Sag	1093	S 2
	98.0	MSA	Miscellaneous Survey Abandoned	1102	NA
	M-605-011				



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-605-042**

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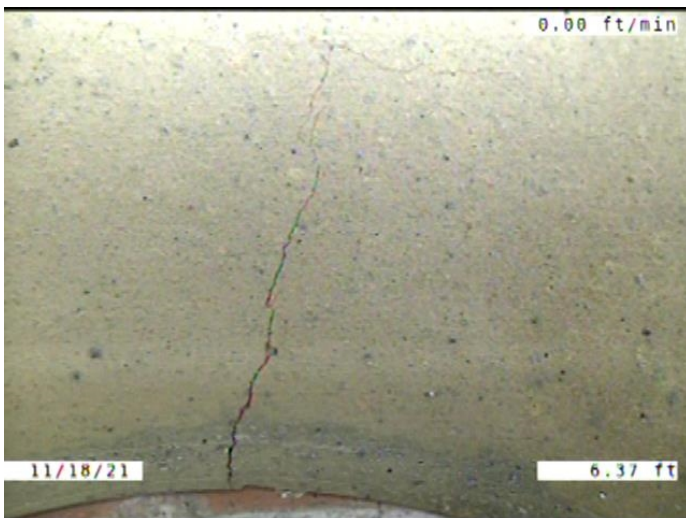
Code: **MWL**  
Description: **Miscellaneous Water Level**

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:

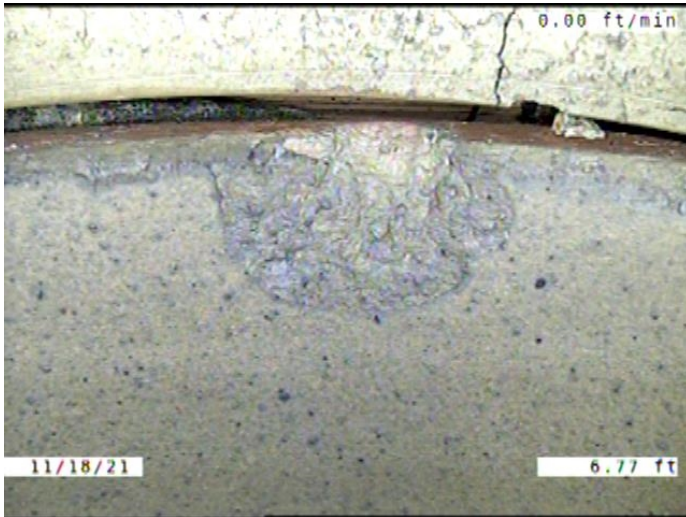
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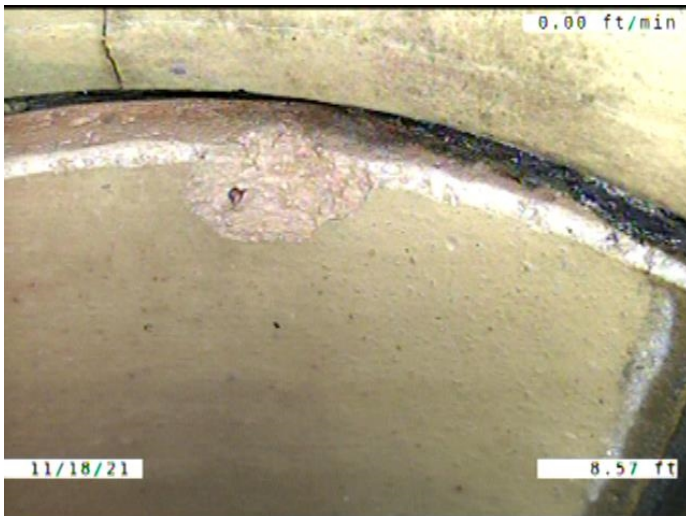
Code:	<b>MGO</b>
Description:	<b>Miscellaneous General Observation</b>
Distance (ft):	<b>1.5</b>
Structural Grade:	<b>0</b>
O&M Grade:	<b>0</b>
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	<b>NO</b>
Remarks:	<b>NOT ENOUGH ROOM ON THE BENCH. HAD TO START IN THE PIPE.</b>



Code:	<b>CM</b>
Description:	<b>Crack Multiple</b>
Distance (ft):	<b>6.4</b>
Structural Grade:	<b>3</b>
O&M Grade:	<b>0</b>
Clock Start/From:	<b>1</b>
Clock To:	<b>2</b>
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	<b>YES</b>
Remarks:	

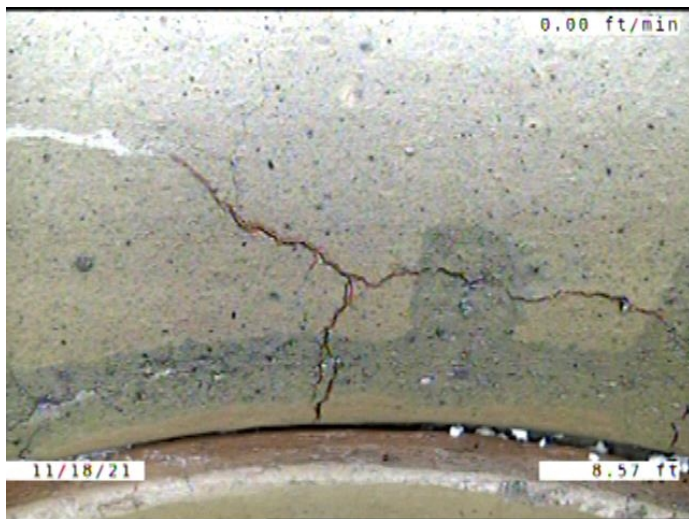


Code:	<b>SZ</b>
Description:	<b>Surface Damage Other</b>
Distance (ft):	<b>6.8</b>
Structural Grade:	<b>0</b>
O&M Grade:	<b>0</b>
Clock Start/From:	<b>1</b>
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	<b>YES</b>
Remarks:	<b>A PIECE CHIPPED AWAY FROM THE JOINT</b>



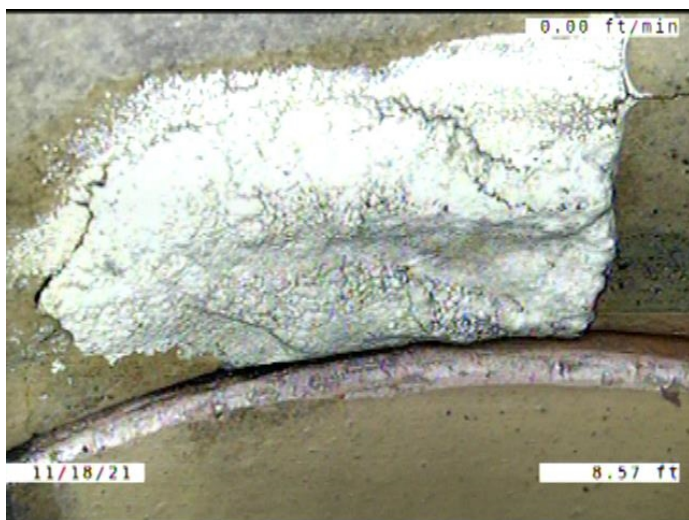
Code:	<b>SZ</b>
Description:	<b>Surface Damage Other</b>
Distance (ft):	<b>8.6</b>
Structural Grade:	<b>0</b>
O&M Grade:	<b>0</b>
Clock Start/From:	<b>2</b>
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	<b>YES</b>
Remarks:	<b>A PIECE CHIPPED AWAY FROM THE JOINT</b>





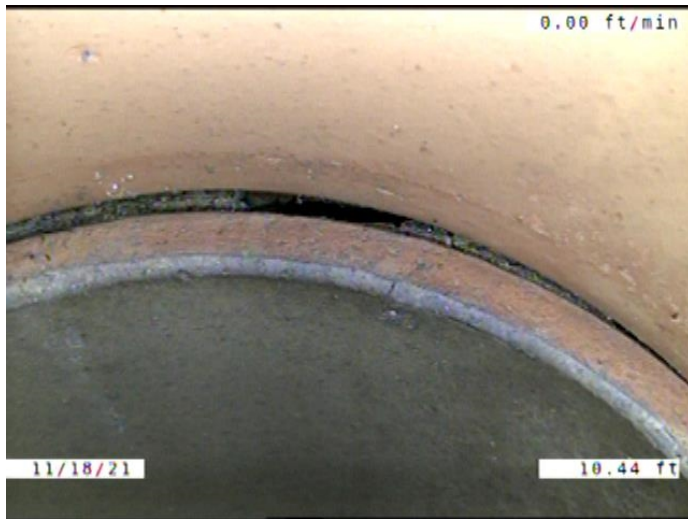
Code: **CM**  
 Description: **Crack Multiple**

Distance (ft): **8.6**  
 Structural Grade: **3**  
 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:



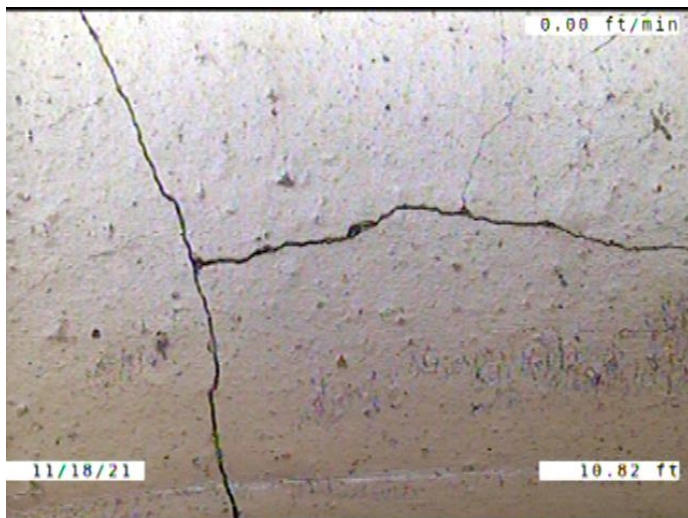
Code: **DAE**  
 Description: **Deposits Attached Encrustation**

Distance (ft): **8.6**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **8**  
 Clock To: **11**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



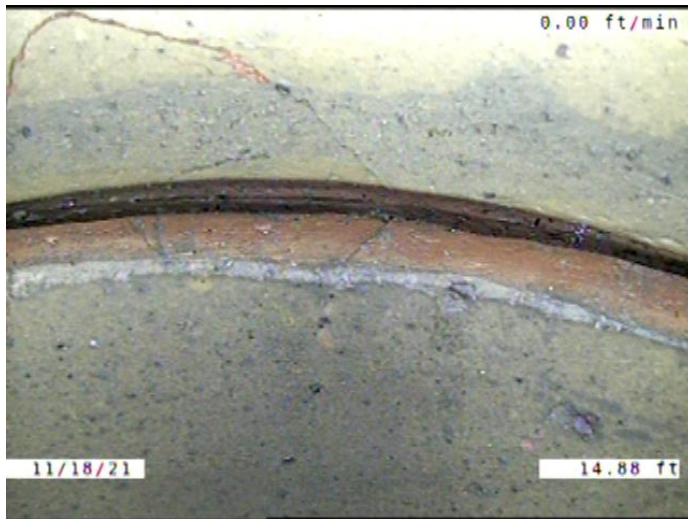
Code: **JOMD**  
 Description: **Joint Offset Medium Defective**

Distance (ft): **10.4**  
 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: **SOIL VISIBLE**



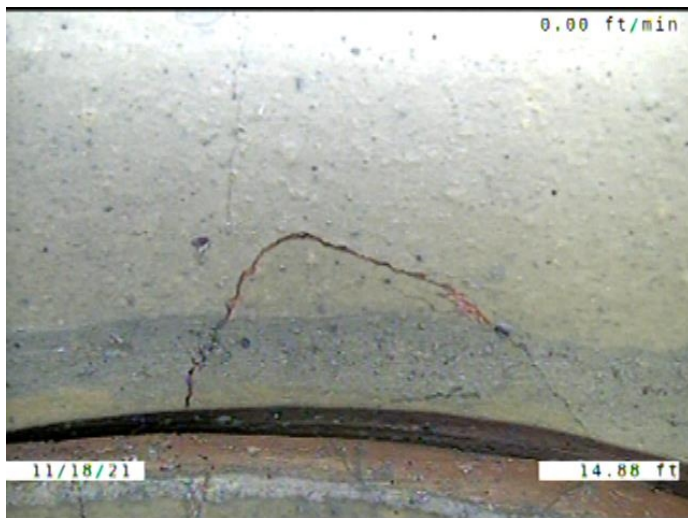
Code: **CM**  
 Description: **Crack Multiple**

Distance (ft): **10.8**  
 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: **JOMD**  
 Description: **Joint Offset Medium Defective**

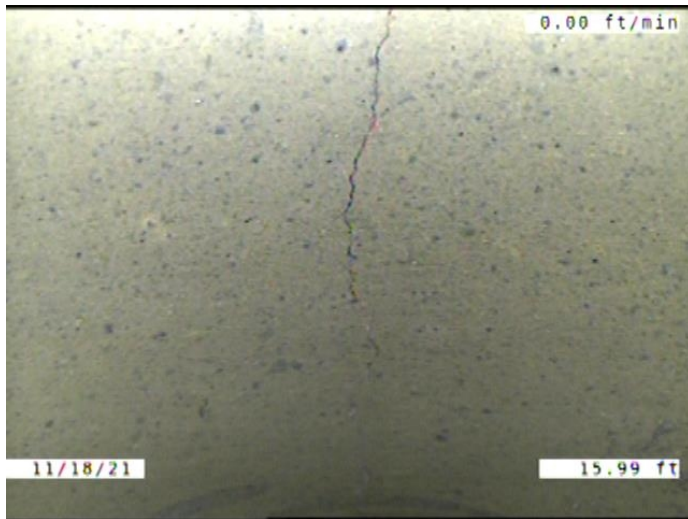
Distance (ft): **14.9**  
 Structural Grade: **3**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:



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

Distance (ft): **14.9**  
 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: **CM**  
Description: **Crack Multiple**

Distance (ft): **16.0**  
Structural Grade: **3**  
O&M Grade: **0**  
Clock Start/From: **11**  
Clock To: **1**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **S01**  
Within 8" of Joint: **YES**  
Remarks:

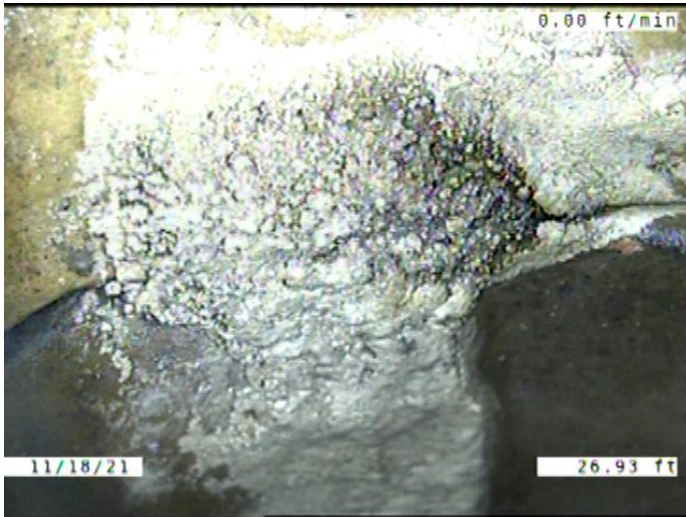
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Code: **FM**  
Description: **Fracture Multiple**

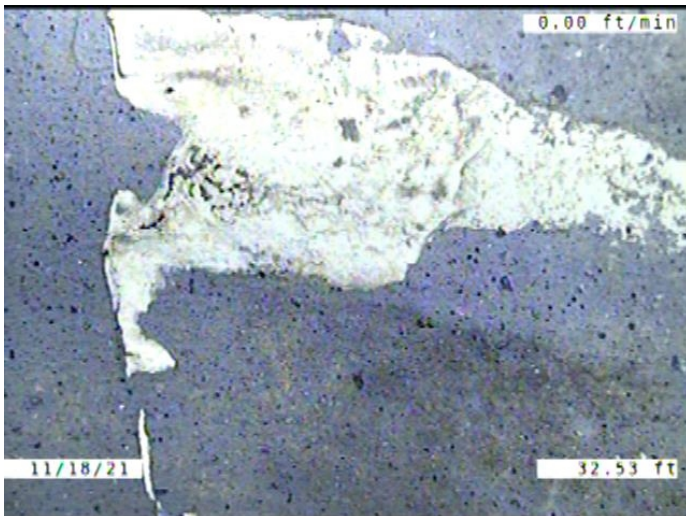
Distance (ft): **26.5**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **12**  
Clock To: **12**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **S02**  
Within 8" of Joint: **YES**  
Remarks:

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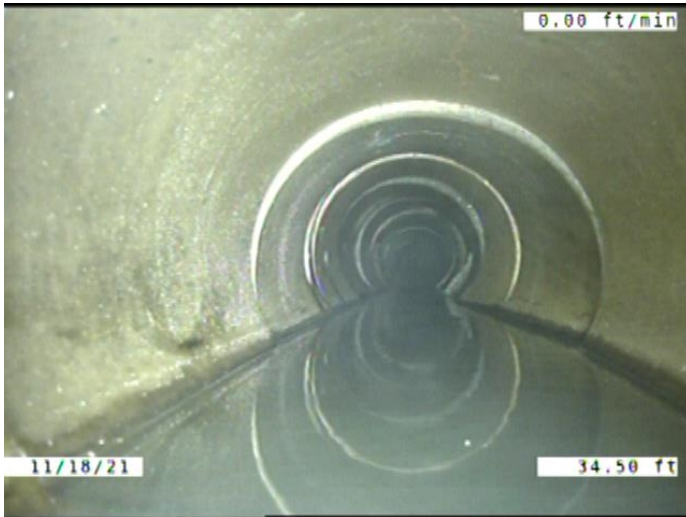
Code: **DAE**  
 Description: **Deposits Attached Encrustation**

Distance (ft): **26.9**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **7**  
 Clock To: **12**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index: **S03**  
 Within 8" of Joint: **YES**  
 Remarks:



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

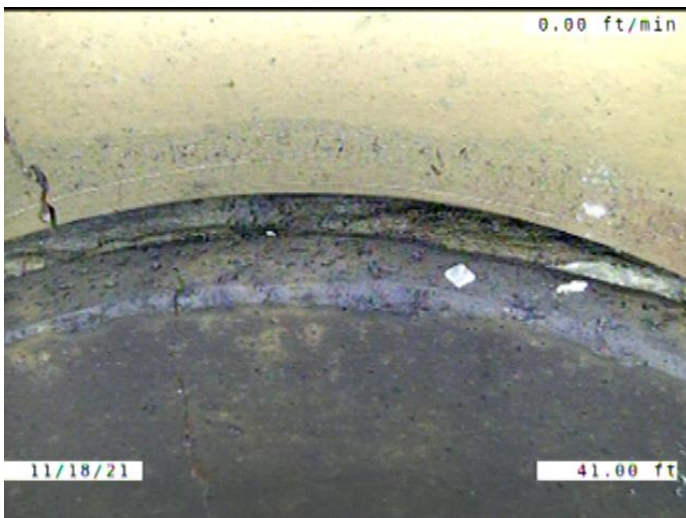
Distance (ft): **32.5**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **1**  
 Clock To: **5**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index: **S04**  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **34.5**  
Structural Grade: **3**  
O&M Grade: **0**  
Clock Start/From: **11**  
Clock To: **1**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **F01**  
Within 8" of Joint: **YES**  
Remarks:

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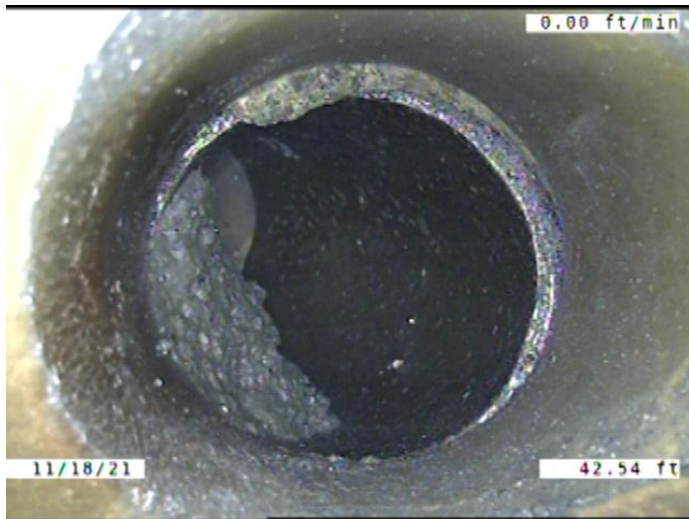


Code: **JOMD**  
Description: **Joint Offset Medium Defective**

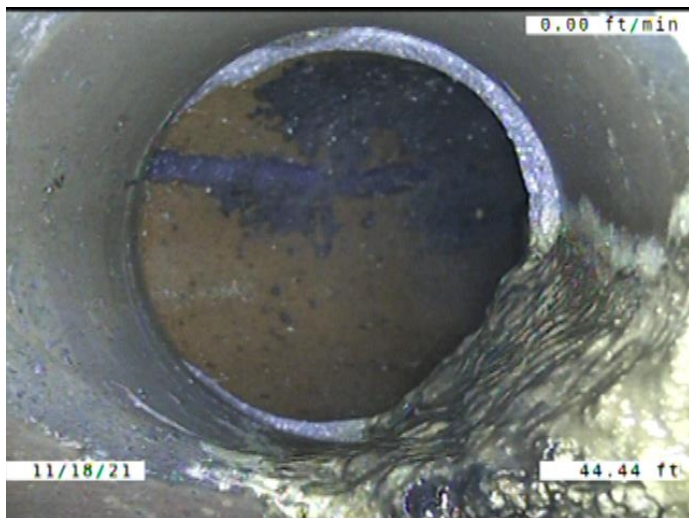
Distance (ft): **41.0**  
Structural Grade: **3**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

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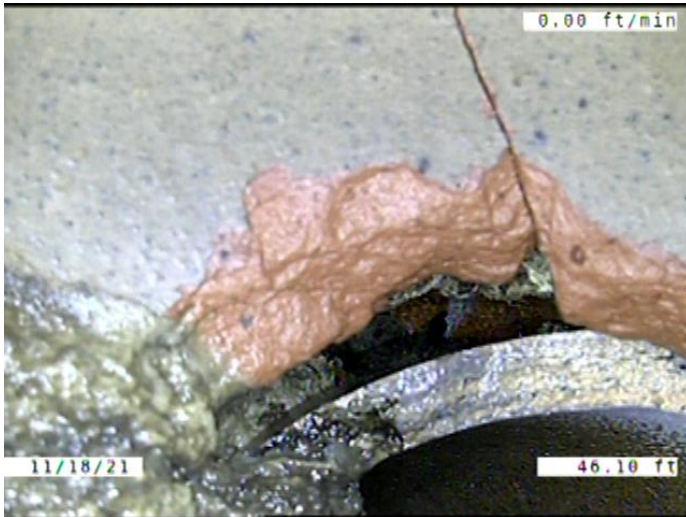


Code:	<b>TF</b>
Description:	<b>Tap Factory</b>
Distance (ft):	<b>42.5</b>
Structural Grade:	<b>0</b>
O&M Grade:	<b>0</b>
Clock Start/From:	<b>11</b>
Clock To:	
1st Value:	<b>4.000</b>
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	<b>YES</b>
Remarks:	<b>OFFSET. ENCRUSTATION AROUND THE JOINT.</b>



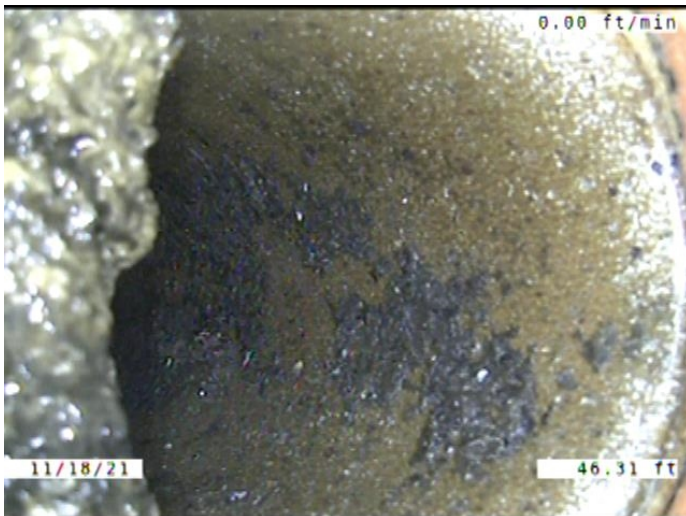
Code:	<b>TF</b>
Description:	<b>Tap Factory</b>
Distance (ft):	<b>44.4</b>
Structural Grade:	<b>0</b>
O&M Grade:	<b>0</b>
Clock Start/From:	<b>1</b>
Clock To:	
1st Value:	<b>4.000</b>
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	<b>YES</b>
Remarks:	<b>ENCRUSTATION COMING OUT OF THE TAP INTO THE MAIN.</b>





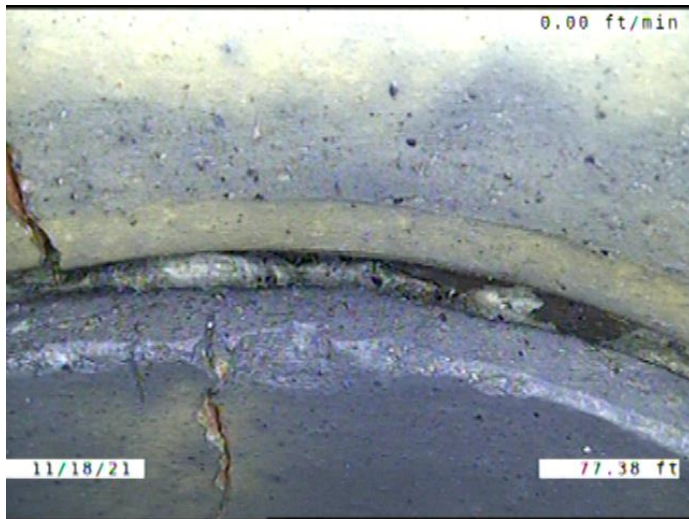
Code: **BSV**  
 Description: **Broken Soil Visible**

Distance (ft): **46.1**  
 Structural Grade: **5**  
 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:



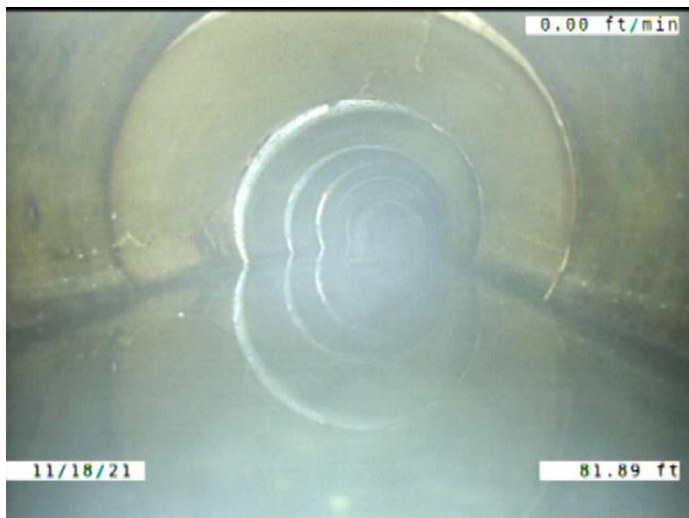
Code: **TBD**  
 Description: **Tap Break-in/Hammer Defective**

Distance (ft): **46.3**  
 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 COMING OUT OF THE TAP INTO THE MAIN.**



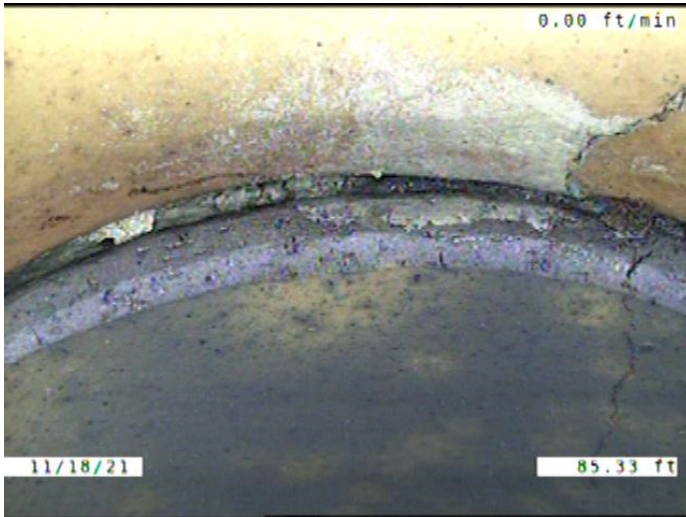
Code: **JOMD**  
 Description: **Joint Offset Medium Defective**

Distance (ft): **77.4**  
 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:



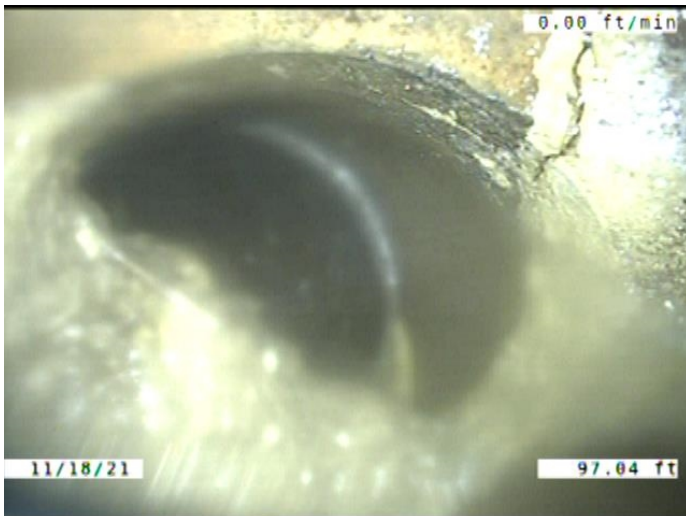
Code: **MWLS**  
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **81.9**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **15.000**  
 Continuous Index: **S05**  
 Within 8" of Joint: **NO**  
 Remarks:



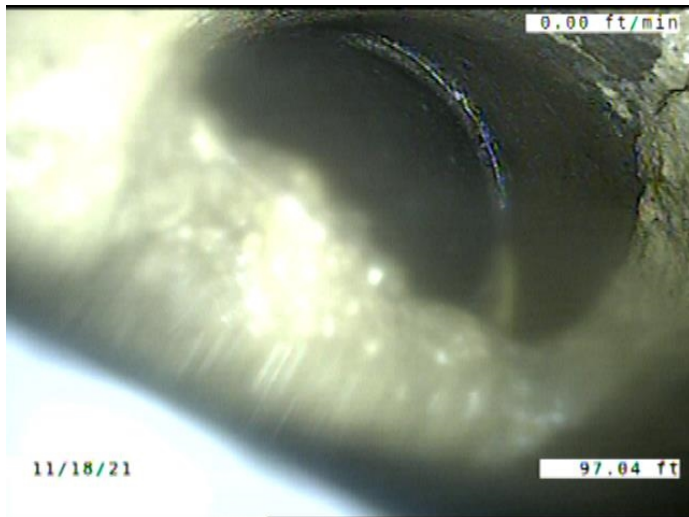
Code: **JOMD**  
 Description: **Joint Offset Medium Defective**

Distance (ft): **85.3**  
 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:



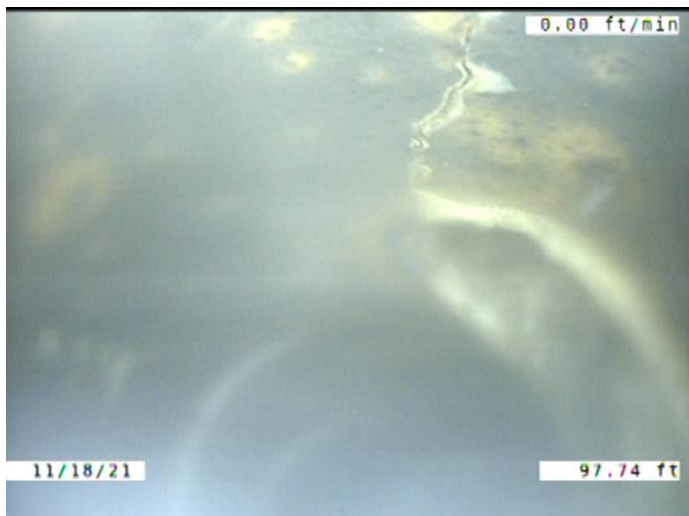
Code: **TFD**  
 Description: **Tap Factory Defective**

Distance (ft): **97.0**  
 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: **BROKEN. ENCRUSTATION COMING OUT OF THE TAP INTO THE MAIN.**



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

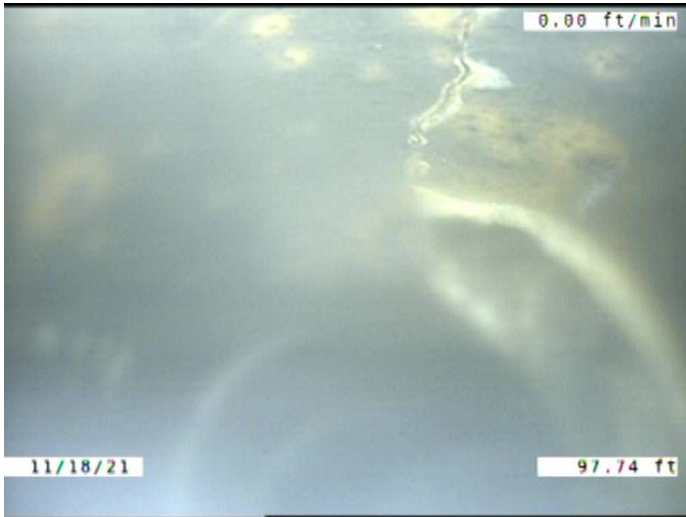
Distance (ft): **97.0**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **9**  
 Clock To: **11**  
 1st Value:  
 2nd Value:  
 Value Percent: **10.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **97.7**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **12**  
 Clock To: **12**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index: **F02**  
 Within 8" of Joint: **YES**  
 Remarks:

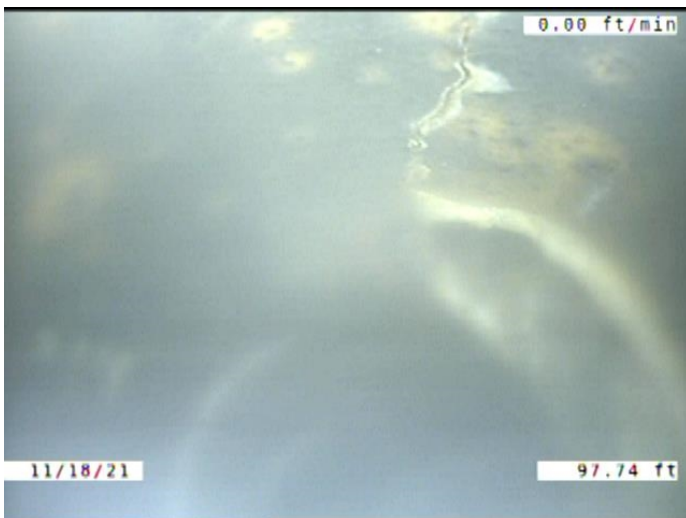




Code: **DAE**  
Description: **Deposits Attached Encrustation**

Distance (ft): **97.7**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **7**  
Clock To: **12**  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index: **F03**  
Within 8" of Joint: **YES**  
Remarks:

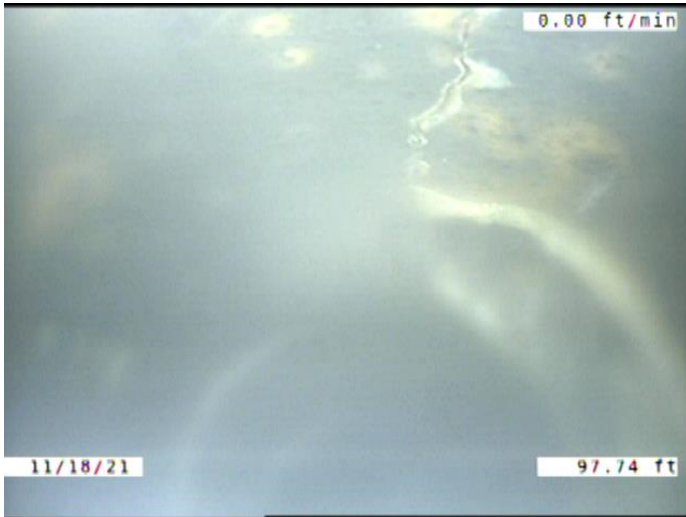
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Code: **DAE**  
Description: **Deposits Attached Encrustation**

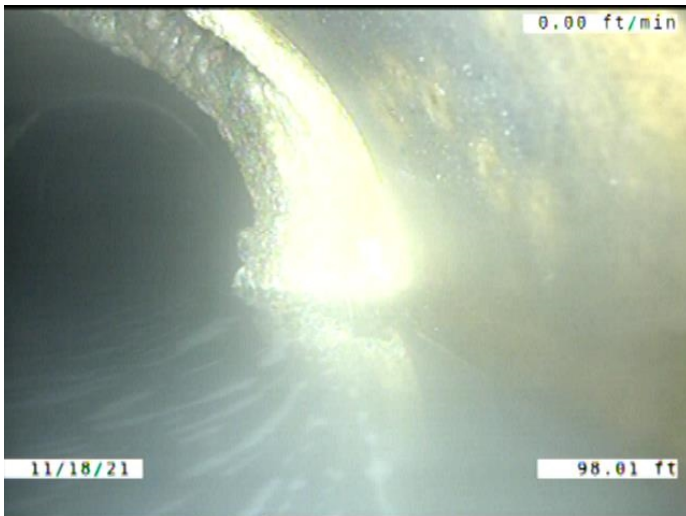
Distance (ft): **97.7**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **1**  
Clock To: **5**  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index: **F04**  
Within 8" of Joint: **YES**  
Remarks:

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

Distance (ft): **97.7**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **15.000**  
 Continuous Index: **F05**  
 Within 8" of Joint: **NO**  
 Remarks:



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

Distance (ft): **98.0**  
 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: **MADE IT TO THE POINT OF OVERLAP.  
 REVERSAL COMPLETE.**