

# Profile/Photo Observation Report



Date:	08/05/2023	Weather:		Coding:	PACP 7.0
Pipe Length (ft):	158.0	Owner:	City of Hobart	Pre Clean:	Heavy Cleaning
P.O.#:	YES502259	Surveyor:	S. Bucklin	PSR:	P-603-010-009
Customer:	City of Hobart	Clean Date:	03/25/2023	Shape:	C

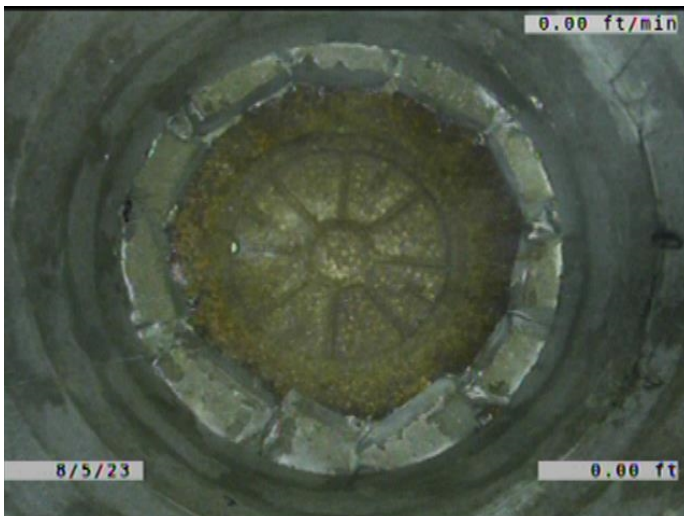
Street:	West 39th Place	Flow Control:	Not Controlled
City:	Hobart, IN	Year Renewed:	
Location:	Easement/Right of Way	Tape/Media #:	
Purpose:	Routine Assessment	Dia/Height:	10"
Use:	Sanitary Sewage Pipe	Material:	VCP
Drain Area:		Lining:	None
Category:	NA		
Comment:			
Location Details:		Direction of Survey:	Downstream
US MH:	M-603-009	DS MH:	M-603-010
		Total Length Surveyed (ft):	158.0

O&M Index:	1.64	O&M Quick:	4133	O&M Rating:	113.00
Structural Index:	2.79	Structural Quick:	4B32	Structural Rating:	134.00
Overall Index:	2.11	Overall Quick:	4B35	Overall Rating:	247.00

Position	Code	Observation	Video (sec)	Grade
				
.0	AMH	Manhole	0	NA
.0	MWL	Miscellaneous Water Level	83	NA
2.1	B	Broken	141	S 4
2.2	RFJ	Roots Fine Joint	189	M 1
8.3	FM(S01)	Fracture Multiple	287	S 4
10.5	MWLS(S02)	Miscellaneous Water Level Sag	310	S 2
15.2	JOMD	Joint Offset Medium Defective	379	S 3
15.2	RFJ	Roots Fine Joint	393	M 1
16.9	MWLS(F02)	Miscellaneous Water Level Sag	418	S 2
19.0	MWLS(S03)	Miscellaneous Water Level Sag	437	S 2
21.6	TFD	Tap Factory Defective	501	M 3
22.4	DSF(S04)	Deposits Settled Fine	521	M 2
23.9	ISB	Infiltration Stain Barrel	542	M 1
24.6	TFA	Tap Factory Activity	593	NA
27.1	RFJ(S05)	Roots Fine Joint	663	M 1
27.1	FM(F01)	Fracture Multiple	680	S 4
33.2	CS	Crack Spiral	726	S 2
39.0	LL	Line Left	785	M 1
42.5	FH4(S06)	Fracture Longitudinal Hinge, 4	862	S 4

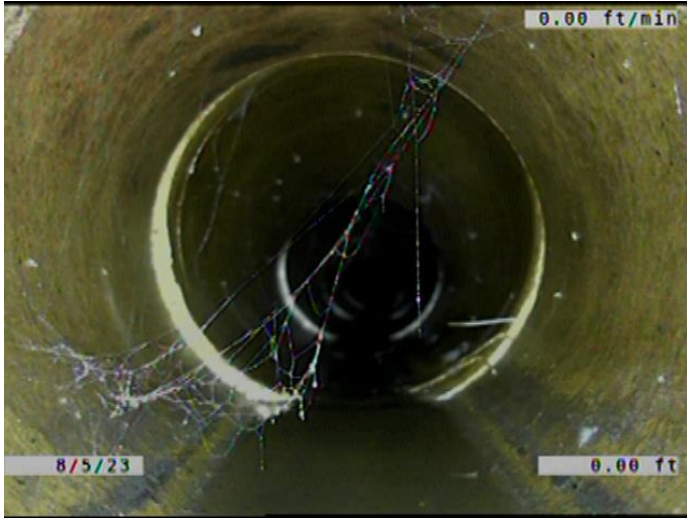
44.4	MWLS(F03)	Miscellaneous Water Level Sag	888	S 2
46.8	MWLS(S07)	Miscellaneous Water Level Sag	910	S 2
54.5	FH4(F06)	Fracture Longitudinal Hinge, 4	948	S 4
61.0	FM(S08)	Fracture Multiple	995	S 4
66.1	DR(S09)	Deformed Rigid	1038	S 4
67.0	RFB(S10)	Roots Fine Barrel	1053	M 2
68.3	TBI	Tap Break-in Intruding	1100	M 2
73.7	TFD	Tap Factory Defective	1160	M 3
75.7	DR(F09)	Deformed Rigid	1187	S 4
76.0	RMB	Roots Medium Barrel	1215	M 4
76.0	RFL	Roots Fine Lateral	1219	M 1
76.9	TFD	Tap Factory Defective	1231	M 3
97.7	RFB(F10)	Roots Fine Barrel	1333	M 2
97.7	FM(F08)	Fracture Multiple	1342	S 4
108.7	JOMD	Joint Offset Medium Defective	1396	S 3
118.8	MWLS(F07)	Miscellaneous Water Level Sag	1456	S 2
119.4	FM(S11)	Fracture Multiple	1496	S 4
122.6	FM(F11)	Fracture Multiple	1546	S 4
122.6	MWLS(S12)	Miscellaneous Water Level Sag	1554	S 2
131.7	FH3	Fracture Longitudinal Hinge, 3	1620	S 4
138.9	TFC	Tap Factory Capped	1775	NA
141.9	TF	Tap Factory	1810	NA
144.4	DAE	Deposits Attached Encrustation	1859	M 2
153.9	RFJ(F05)	Roots Fine Joint	1949	M 1
156.4	MWLS(F12)	Miscellaneous Water Level Sag	1973	S 2
156.4	DSF(F04)	Deposits Settled Fine	1983	M 2
158.0	AMH	Manhole	2077	NA

**M-603-010**



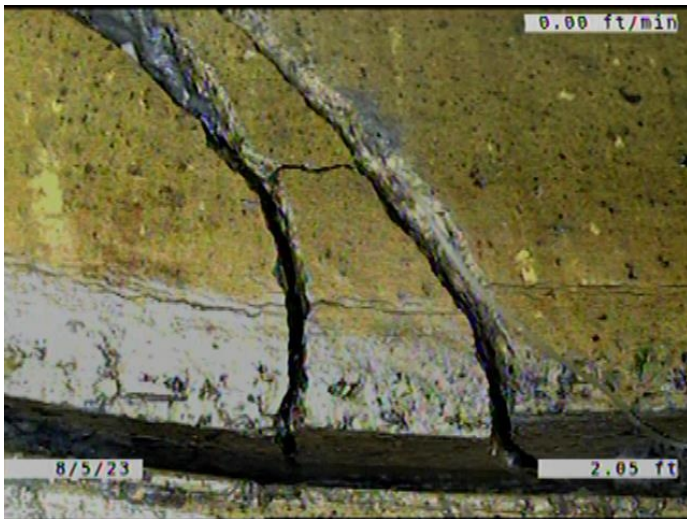
Code: **AMH**  
Description: **Manhole**

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-603-009**



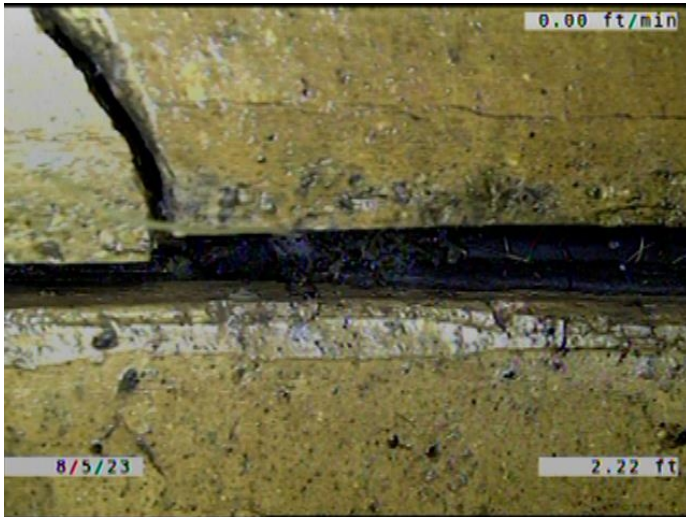
Code: **MWL**  
Description: **Miscellaneous Water Level**

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

Distance (ft): **2.1**  
Structural Grade: **4**  
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: **RFJ**  
Description: **Roots Fine Joint**

Distance (ft): **2.2**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **8**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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

Distance (ft): **8.3**  
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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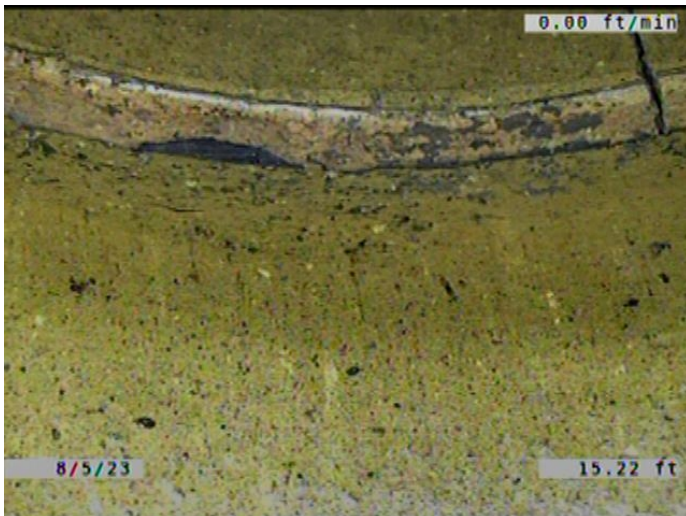




Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

Distance (ft): **10.5**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **15.000**  
Continuous Index: **S02**  
Within 8" of Joint: **NO**  
Remarks:

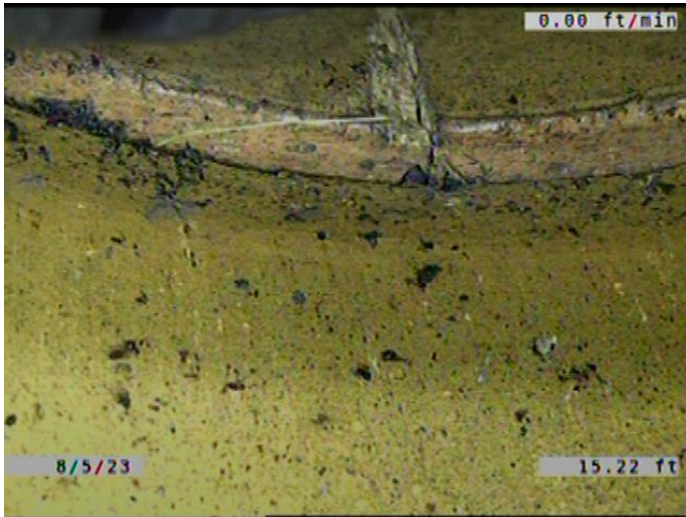
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Code: **JOMD**  
Description: **Joint Offset Medium Defective**

Distance (ft): **15.2**  
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:

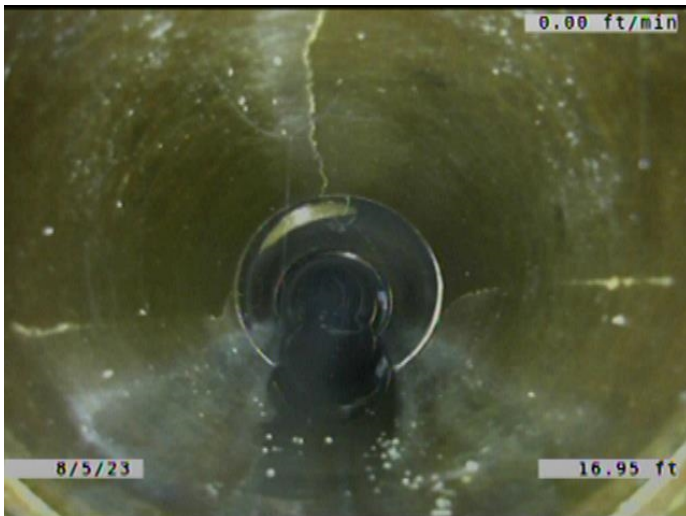
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Code: **RFJ**  
Description: **Roots Fine Joint**

Distance (ft): **15.2**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **9**  
Clock To: **11**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

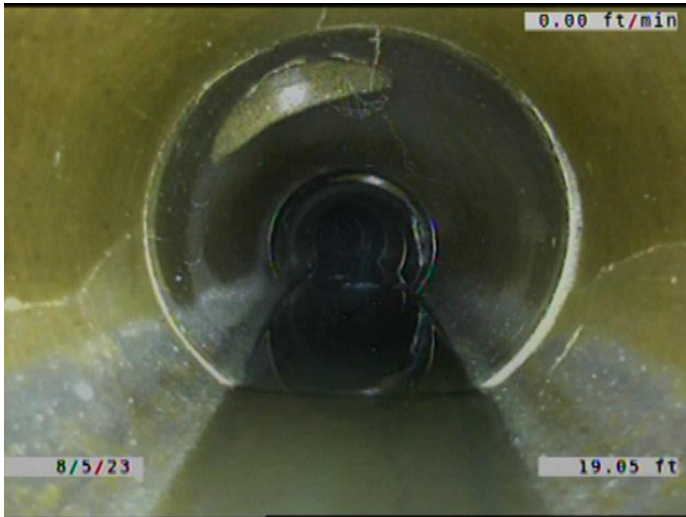
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Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

Distance (ft): **16.9**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **15.000**  
Continuous Index: **F02**  
Within 8" of Joint: **NO**  
Remarks:

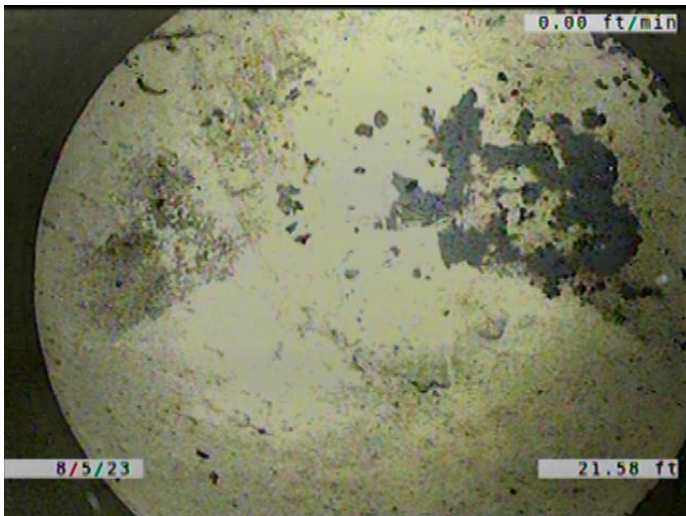
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Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

Distance (ft): **19.0**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **20.000**  
Continuous Index: **S03**  
Within 8" of Joint: **NO**  
Remarks:

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

Distance (ft): **21.6**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **11**  
Clock To:  
1st Value: **6.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks: **CAPPED. TAP BROKEN.**

---

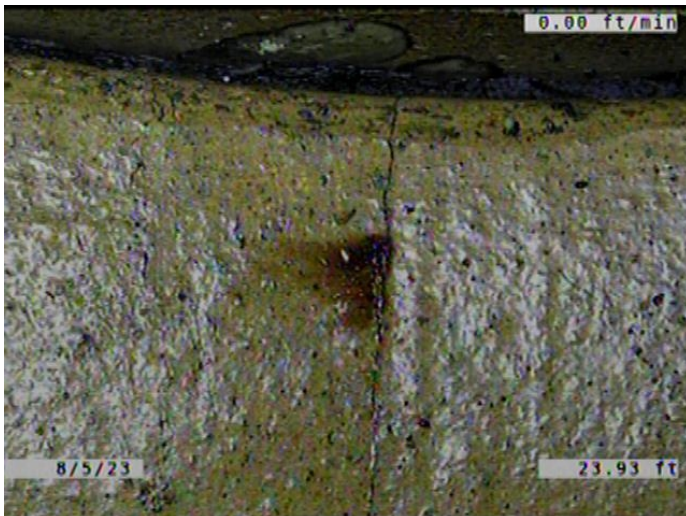




Code: **DSF**  
Description: **Deposits Settled Fine**

Distance (ft): **22.4**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **5**  
Clock To: **7**  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index: **S04**  
Within 8" of Joint: **YES**  
Remarks:

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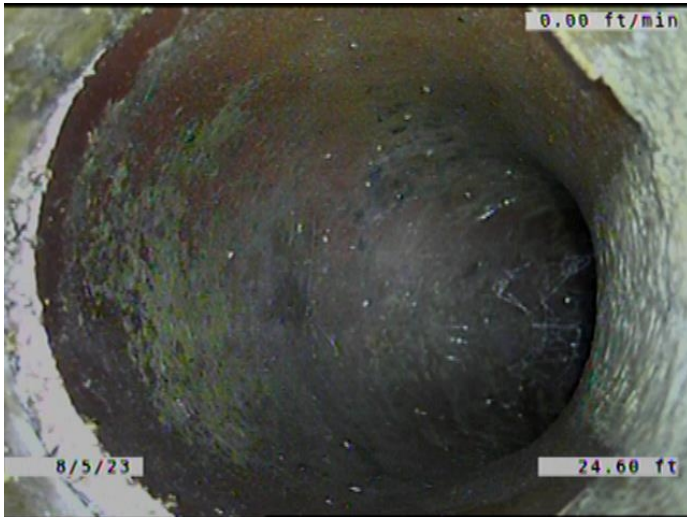


Code: **ISB**  
Description: **Infiltration Stain Barrel**

Distance (ft): **23.9**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **3**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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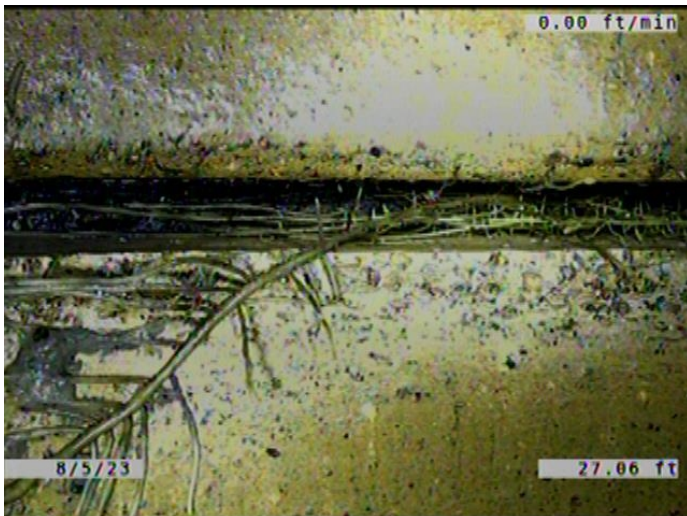




Code: **TFA**  
 Description: **Tap Factory Activity**

Distance (ft): **24.6**  
 Structural Grade: **0**  
 O&M Grade: **0**  
 Clock Start/From: **1**  
 Clock To:  
 1st Value: **6.000**  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:

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

Distance (ft): **27.1**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From: **8**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index: **S05**  
 Within 8" of Joint: **YES**  
 Remarks:

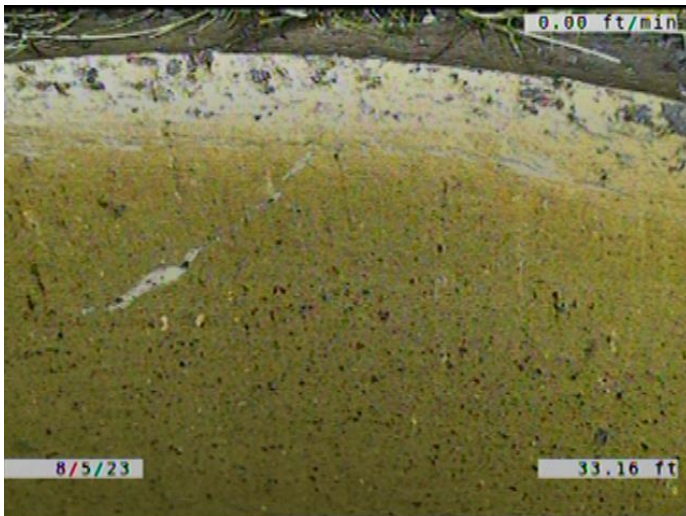
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Code: **FM**  
Description: **Fracture Multiple**

Distance (ft): **27.1**  
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:

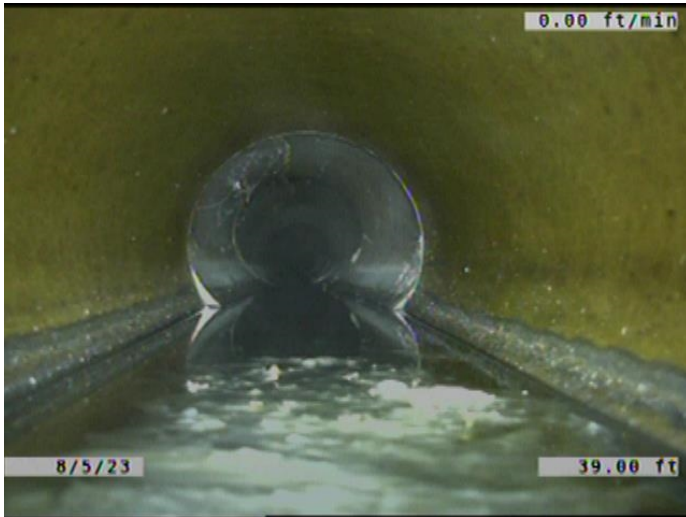
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Code: **CS**  
Description: **Crack Spiral**

Distance (ft): **33.2**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From: **1**  
Clock To: **2**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

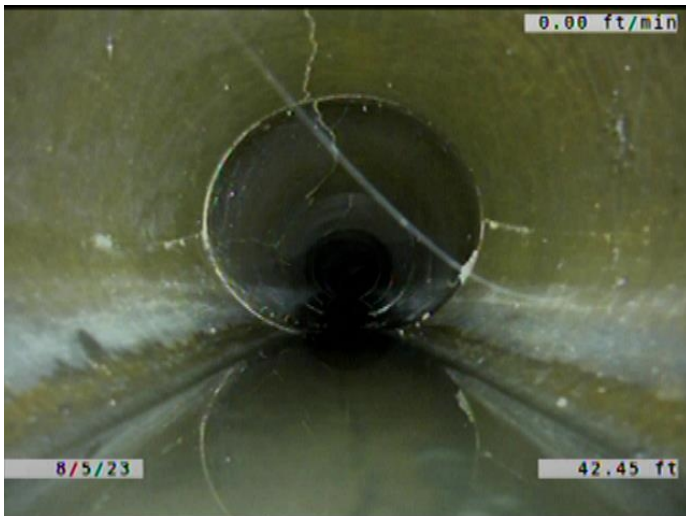
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Code: **LL**  
Description: **Line Left**

Distance (ft): **39.0**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

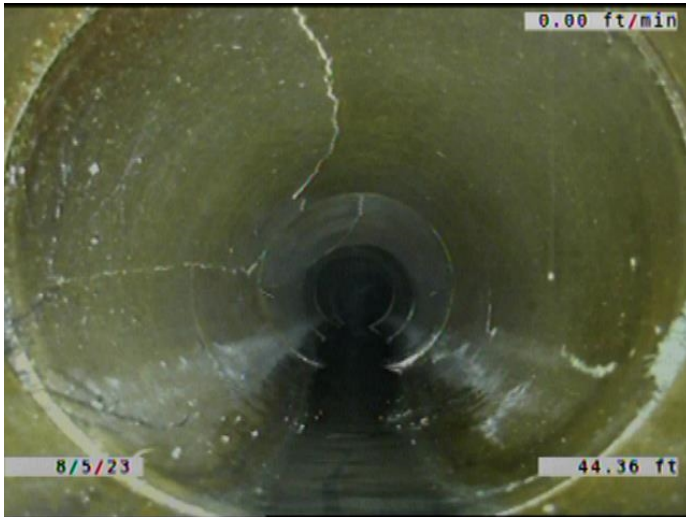
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Code: **FH4**  
Description: **Fracture Longitudinal Hinge, 4**

Distance (ft): **42.5**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **12**  
Clock To: **12**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **S06**  
Within 8" of Joint: **YES**  
Remarks:

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

Distance (ft): **44.4**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **20.000**  
Continuous Index: **F03**  
Within 8" of Joint: **NO**  
Remarks:

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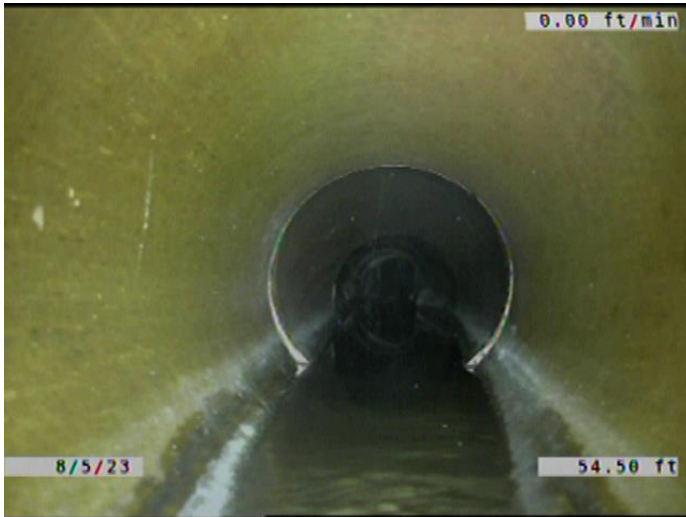


Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

Distance (ft): **46.8**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **20.000**  
Continuous Index: **S07**  
Within 8" of Joint: **NO**  
Remarks:

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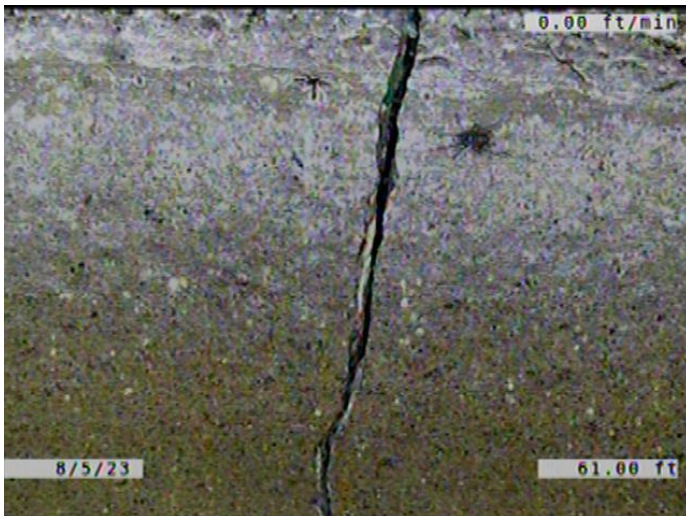




Code: **FH4**  
Description: **Fracture Longitudinal Hinge, 4**

Distance (ft): **54.5**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **12**  
Clock To: **12**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **F06**  
Within 8" of Joint: **YES**  
Remarks:

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

Distance (ft): **61.0**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **8**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **S08**  
Within 8" of Joint: **YES**  
Remarks:

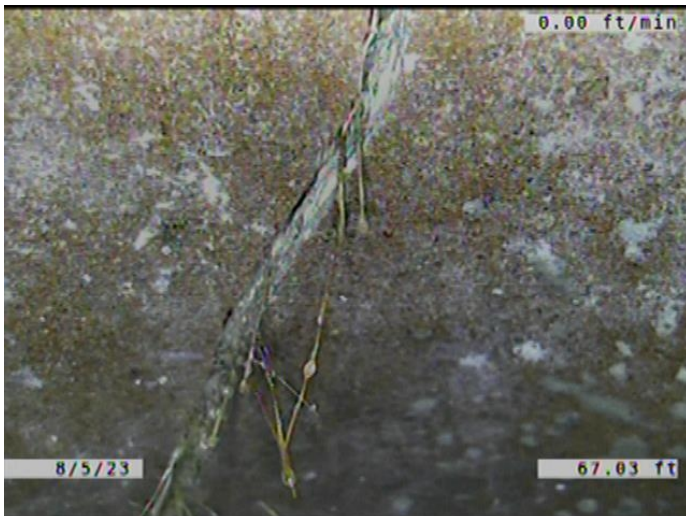
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Code: **DR**  
 Description: **Deformed Rigid**

Distance (ft): **66.1**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index: **S09**  
 Within 8" of Joint: **NO**  
 Remarks:

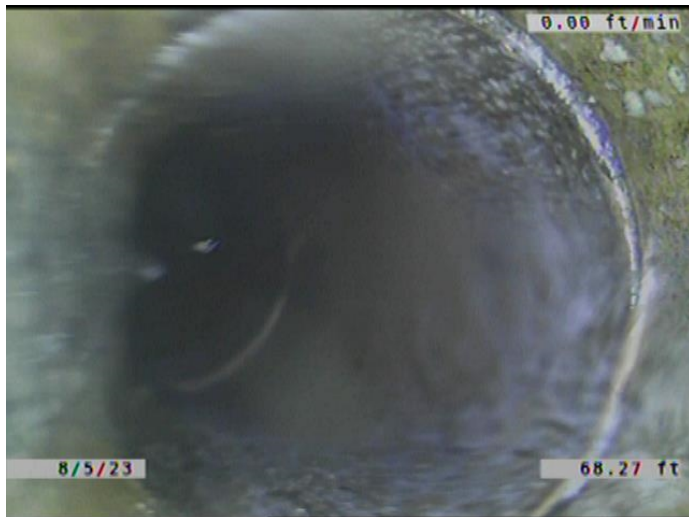
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Code: **RFB**  
 Description: **Roots Fine Barrel**

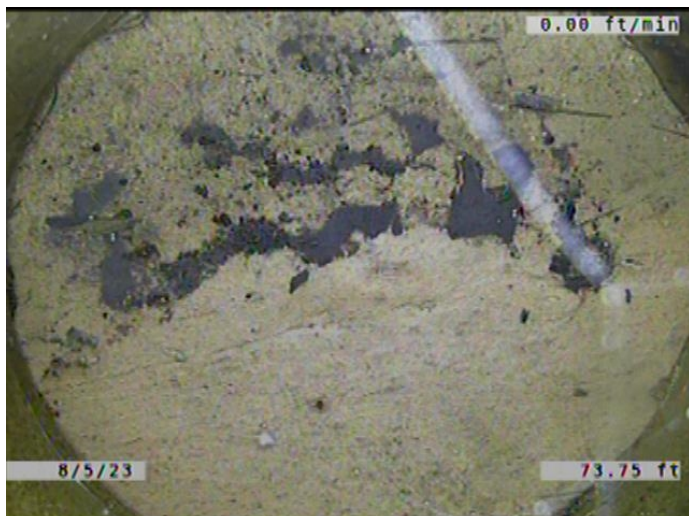
Distance (ft): **67.0**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **8**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index: **S10**  
 Within 8" of Joint: **NO**  
 Remarks:

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

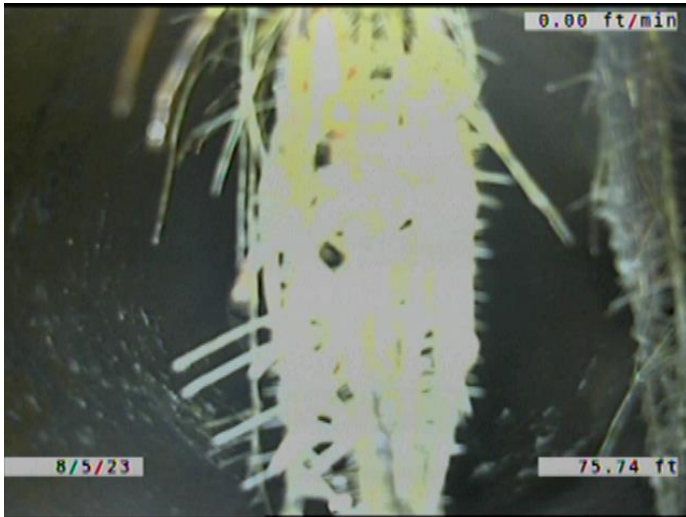
Distance (ft): **68.3**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **11**  
 Clock To:  
 1st Value: **6.000**  
 2nd Value: **2.000**  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks: **ACTIVITY.**



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

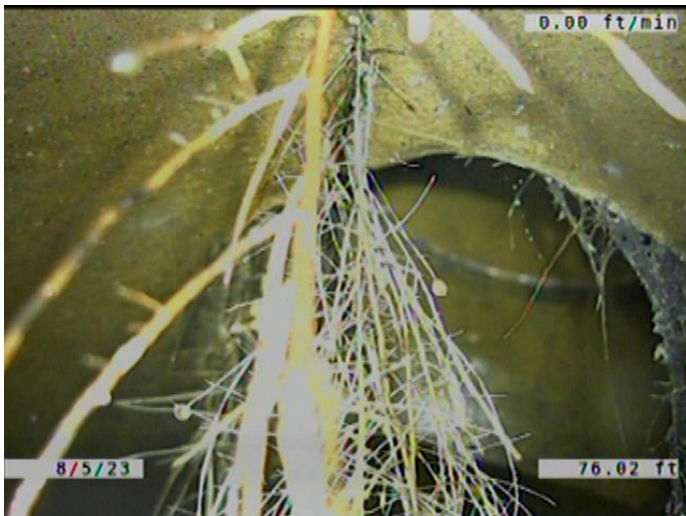
Distance (ft): **73.7**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **11**  
 Clock To:  
 1st Value: **6.000**  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks: **TAP BROKEN. CAPPED. ROOTS GROWING AROUND THE CAP.**





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

Distance (ft): **75.7**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index: **F09**  
 Within 8" of Joint: **NO**  
 Remarks:



Code: **RMB**  
 Description: **Roots Medium Barrel**

Distance (ft): **76.0**  
 Structural Grade: **0**  
 O&M Grade: **4**  
 Clock Start/From: **10**  
 Clock To: **2**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:





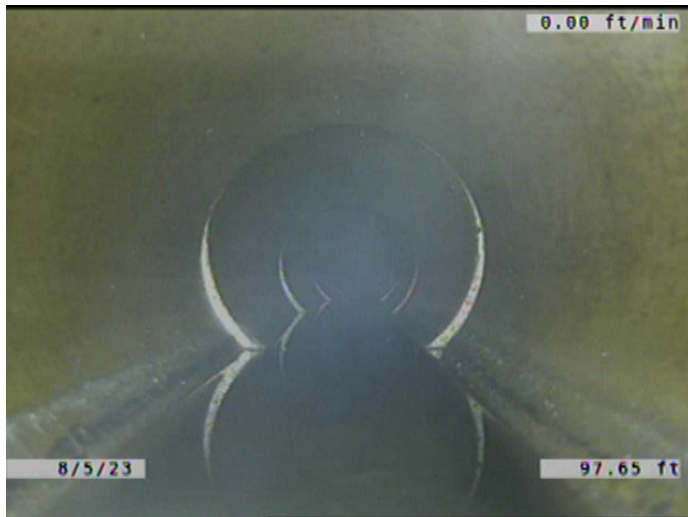
Code: **RFL**  
 Description: **Roots Fine Lateral**

Distance (ft): **76.0**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From: **1**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:



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

Distance (ft): **76.9**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **1**  
 Clock To:  
 1st Value: **6.000**  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks: **80% PLUGGED WITH ROOTS. TAP  
 BROKEN. ROOTS GROWING FROM T**



Code: **RFB**  
 Description: **Roots Fine Barrel**

Distance (ft): **97.7**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **8**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index: **F10**  
 Within 8" of Joint: **NO**  
 Remarks:



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

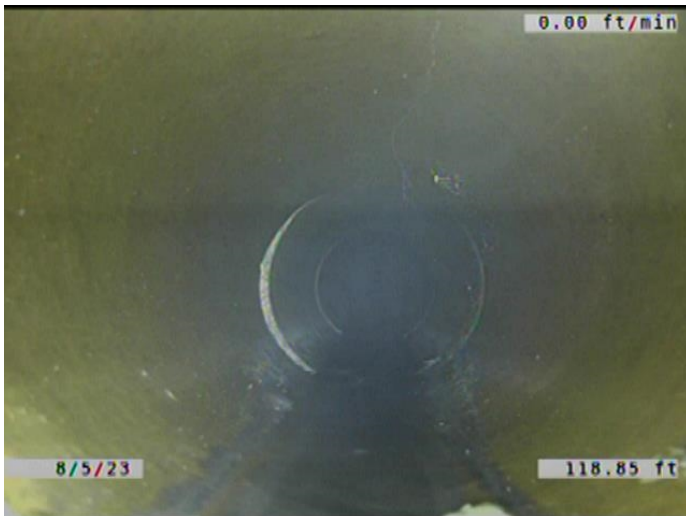
Distance (ft): **97.7**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **8**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index: **F08**  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **108.7**  
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:

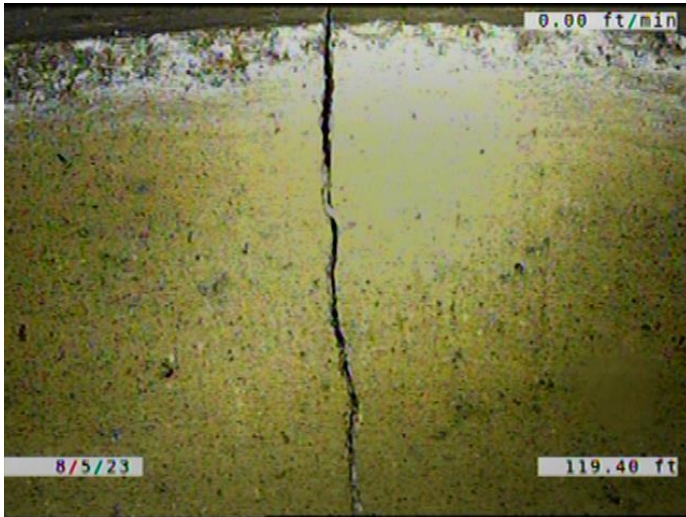
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Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

Distance (ft): **118.8**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **20.000**  
Continuous Index: **F07**  
Within 8" of Joint: **NO**  
Remarks:

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

Distance (ft): **119.4**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **12**  
Clock To: **1**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **S11**  
Within 8" of Joint: **YES**  
Remarks:

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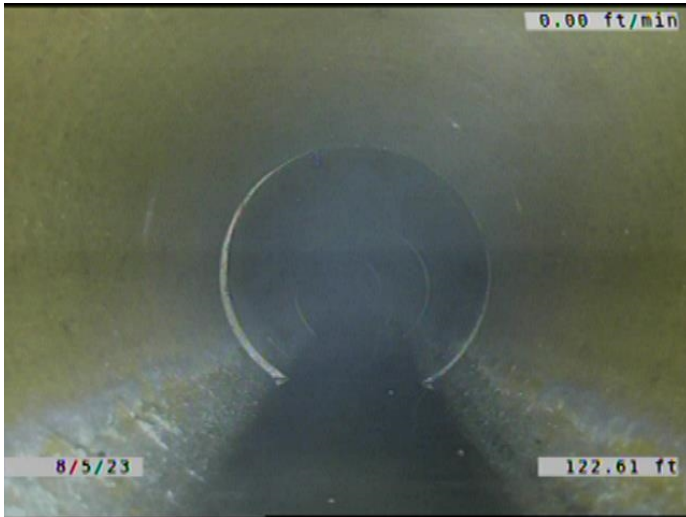


Code: **FM**  
Description: **Fracture Multiple**

Distance (ft): **122.6**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **12**  
Clock To: **1**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **F11**  
Within 8" of Joint: **YES**  
Remarks:

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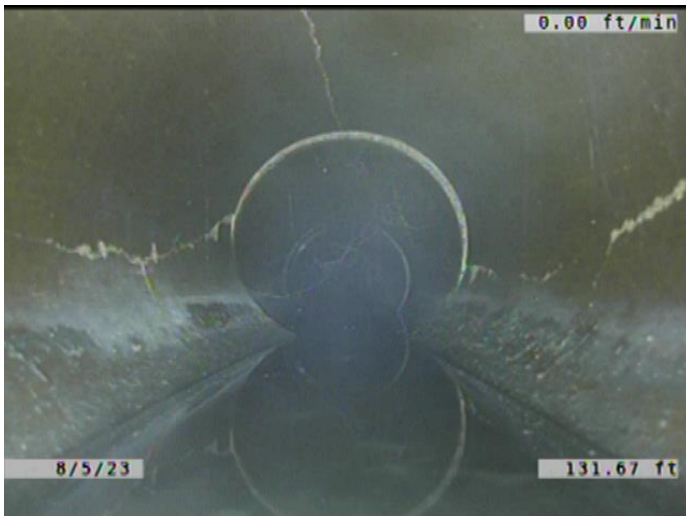




Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

Distance (ft): **122.6**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **20.000**  
Continuous Index: **S12**  
Within 8" of Joint: **NO**  
Remarks:

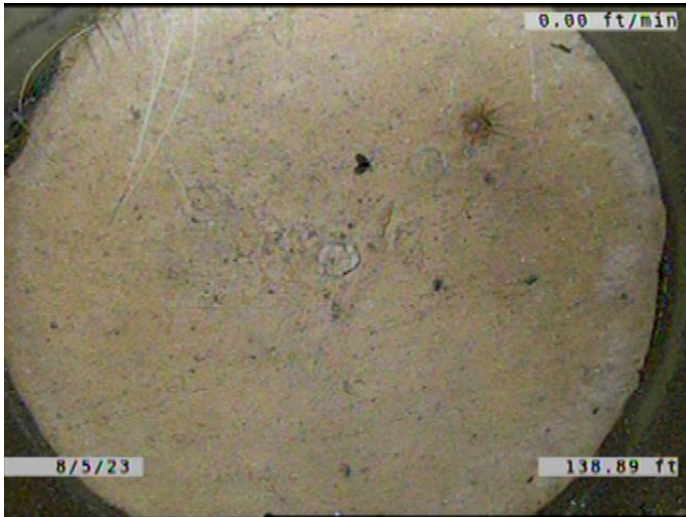
---



Code: **FH3**  
Description: **Fracture Longitudinal Hinge, 3**

Distance (ft): **131.7**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **9**  
Clock To: **3**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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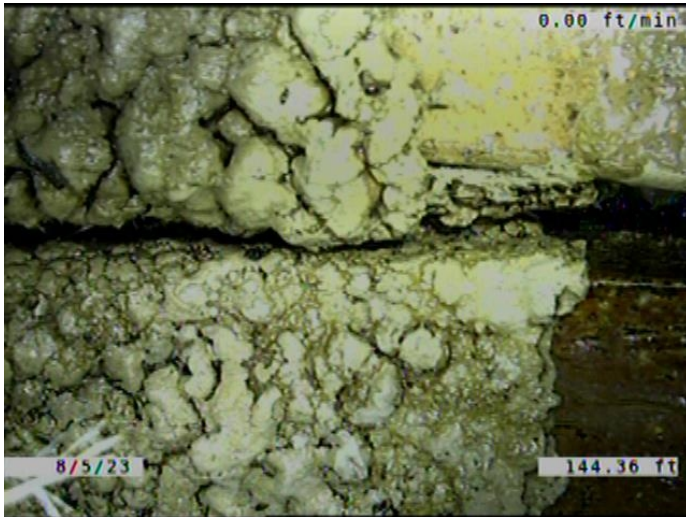
Code:	<b>TFC</b>
Description:	<b>Tap Factory Capped</b>
Distance (ft):	<b>138.9</b>
Structural Grade:	<b>0</b>
O&M Grade:	<b>0</b>
Clock Start/From:	<b>10</b>
Clock To:	
1st Value:	<b>6.000</b>
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	<b>YES</b>
Remarks:	<b>ROOTS GROWING AROUND THE CAP.</b>

---



Code:	<b>TF</b>
Description:	<b>Tap Factory</b>
Distance (ft):	<b>141.9</b>
Structural Grade:	<b>0</b>
O&M Grade:	<b>0</b>
Clock Start/From:	<b>1</b>
Clock To:	
1st Value:	<b>6.000</b>
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	<b>YES</b>
Remarks:	<b>ROOTS GROWING IN THE JOINTS OF THE SERVICE.</b>

---



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

Distance (ft): **144.4**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **12**  
Clock To: **3**  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

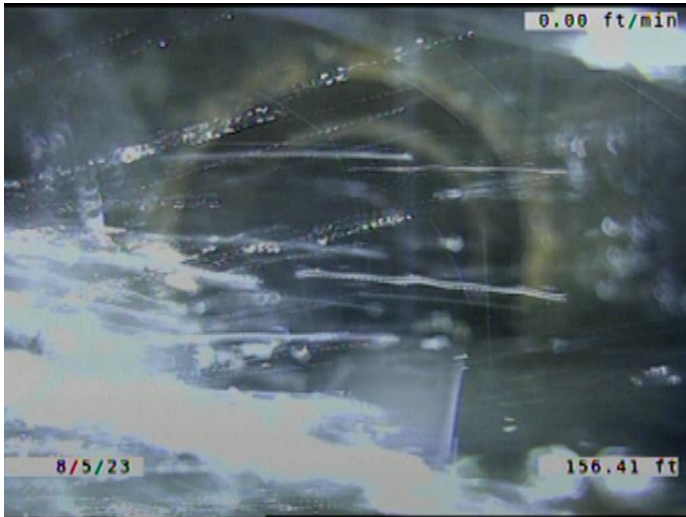
---



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

Distance (ft): **153.9**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **8**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **F05**  
Within 8" of Joint: **YES**  
Remarks:

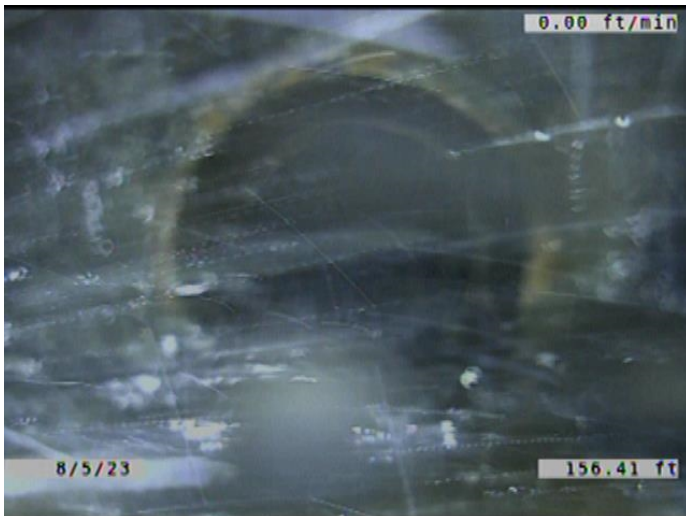
---



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

Distance (ft): **156.4**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **20.000**  
Continuous Index: **F12**  
Within 8" of Joint: **NO**  
Remarks:

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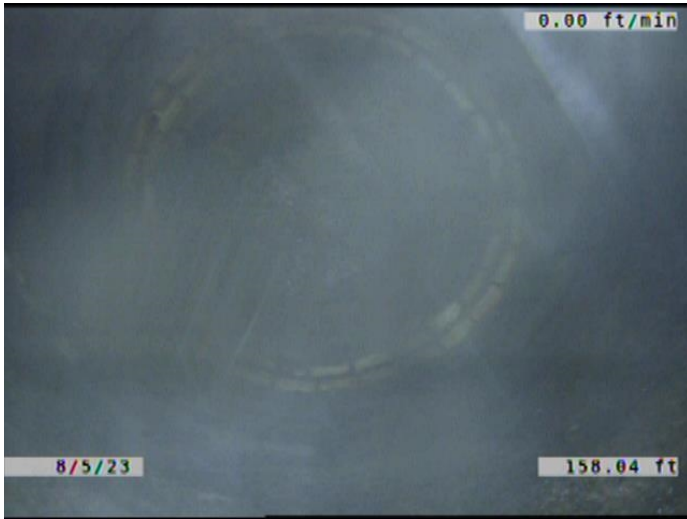


Code: **DSF**  
Description: **Deposits Settled Fine**

Distance (ft): **156.4**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **5**  
Clock To: **7**  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index: **F04**  
Within 8" of Joint: **YES**  
Remarks:

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Code:	AMH
Description:	Manhole
Distance (ft):	158.0
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-603-010