

Profile/Photo Observation Report



Date:	11/02/2021	Weather:		Coding:	PACP 7.0
Pipe Length (ft):	213.2	Owner:	City of Hobart	Pre Clean:	Heavy Cleaning
P.O.#:	YES502259	Surveyor:	S. Bucklin	PSR:	P-504-039-038
Customer:	City of Hobart	Clean Date:	10/28/2021	Shape:	C

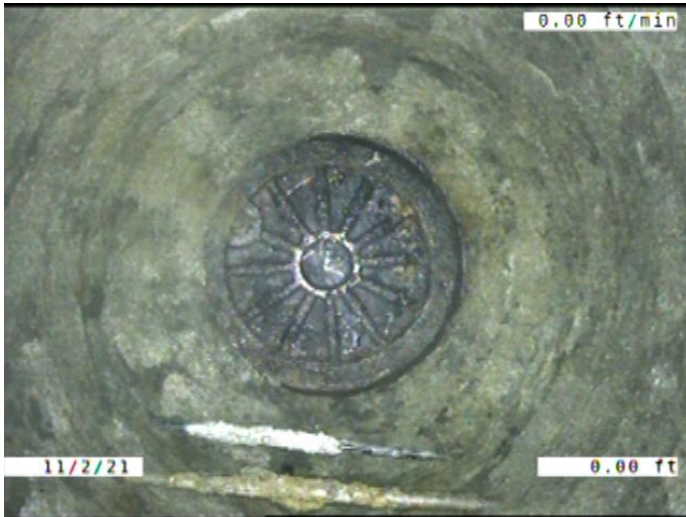
Street:	North Colorado Street	Flow Control:	Not Controlled
City:	Hobart, IN	Year Renewed:	
Location:	Alley	Tape/Media #:	
Purpose:	Routine Assessment	Dia/Height:	10"
Use:	Sanitary Sewage Pipe	Material:	VCP
Drain Area:		Lining:	None
Category:	NA		
Comment:			
Location Details:		Direction of Survey:	Downstream
US MH:	M-504-038	DS MH:	M-504-039
		Total Length Surveyed (ft):	213.2

O&M Index:	2.21	O&M Quick:	4328	O&M Rating:	31.00
Structural Index:	2.20	Structural Quick:	4132	Structural Rating:	44.00
Overall Index:	2.21	Overall Quick:	4432	Overall Rating:	75.00

	Position	Code	Observation	Video (sec)	Grade
	.0	AMH	Manhole	1	NA
	.0	MWL	Miscellaneous Water Level	63	NA
	11.0	MWLS(S01)	Miscellaneous Water Level Sag	126	S 2
	27.3	MWLS(F01)	Miscellaneous Water Level Sag	189	S 2
	28.9	MMC	Miscellaneous Material Change	236	NA
	31.6	TF	Tap Factory	265	NA
	31.7	TF	Tap Factory	295	NA
	31.7	MMC	Miscellaneous Material Change	349	NA
	33.8	MWLS(S02)	Miscellaneous Water Level Sag	383	S 2
	41.3	MWLS(F02)	Miscellaneous Water Level Sag	431	S 2
	42.2	DAE	Deposits Attached Encrustation	459	M 2
	44.8	MWLS(S03)	Miscellaneous Water Level Sag	494	S 2
	52.3	B	Broken	572	S 4
	59.3	MWLS(F03)	Miscellaneous Water Level Sag	665	S 2
	61.4	LD	Line Down	694	M 1
	61.5	JAM	Joint Angular Medium	710	S 3
	62.9	MWLS(S04)	Miscellaneous Water Level Sag	743	S 2
	67.8	MMC	Miscellaneous Material Change	821	NA
	69.7	TF	Tap Factory	867	NA

71.7	TF	Tap Factory	899	NA
73.0	MMC	Miscellaneous Material Change	951	NA
73.4	MWLS(F04)	Miscellaneous Water Level Sag	973	S 2
75.6	IRJ	Infiltration Runner Joint	1000	M 4
75.6	DAE	Deposits Attached Encrustation	1013	M 2
77.5	MWLS(S05)	Miscellaneous Water Level Sag	1041	S 2
104.0	MWLS(F05)	Miscellaneous Water Level Sag	1175	S 2
106.4	MMC	Miscellaneous Material Change	1219	NA
109.6	TF	Tap Factory	1264	NA
112.8	TF	Tap Factory	1314	NA
114.0	MMC	Miscellaneous Material Change	1387	NA
140.3	MWLS(S06)	Miscellaneous Water Level Sag	1581	S 2
147.5	MWLS(F06)	Miscellaneous Water Level Sag	1623	S 2
148.0	SZ	Surface Damage Other	1641	NA
150.4	JOM	Joint Offset Medium	1676	S 3
150.6	MMC	Miscellaneous Material Change	1710	NA
150.7	SZ	Surface Damage Other	1731	NA
152.8	TF	Tap Factory	1766	NA
155.1	TF	Tap Factory	1798	NA
156.0	MMC	Miscellaneous Material Change	1844	NA
158.6	DAE	Deposits Attached Encrustation	1888	M 2
163.9	DAE	Deposits Attached Encrustation	1948	M 2
174.1	DAE	Deposits Attached Encrustation	2023	M 2
174.1	IRJ	Infiltration Runner Joint	2038	M 4
176.7	IRJ	Infiltration Runner Joint	2082	M 4
176.7	DAE	Deposits Attached Encrustation	2101	M 2
181.7	CL	Crack Longitudinal	2150	S 2
184.4	DAE	Deposits Attached Encrustation	2201	M 2
191.9	DAE	Deposits Attached Encrustation	2286	M 2
202.2	RFJ	Roots Fine Joint	2370	M 1
205.0	RFJ	Roots Fine Joint	2418	M 1
213.2	AMH	Manhole	2591	NA

M-504-039



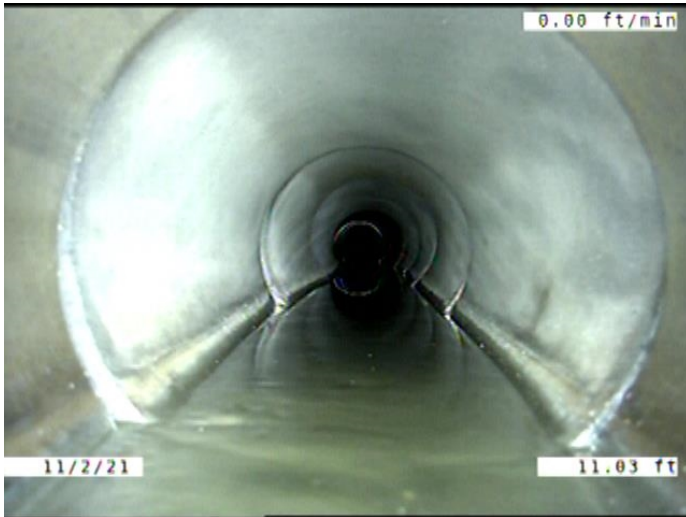
Code: **AMH**
 Description: **Manhole**

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-504-038**



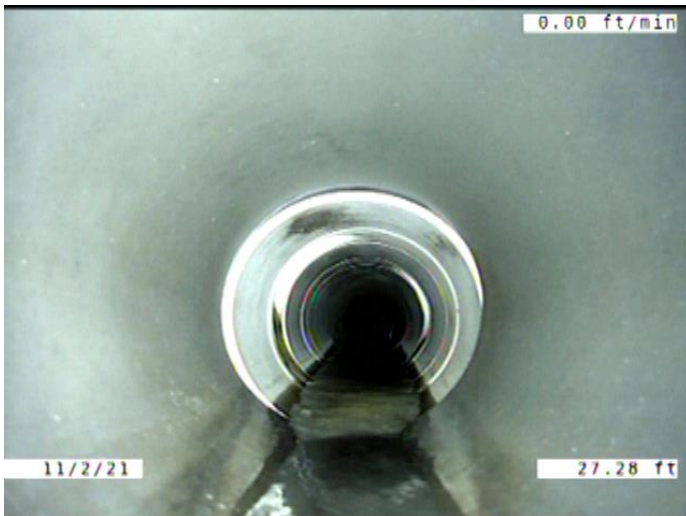
Code: **MWL**
 Description: **Miscellaneous Water Level**

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:



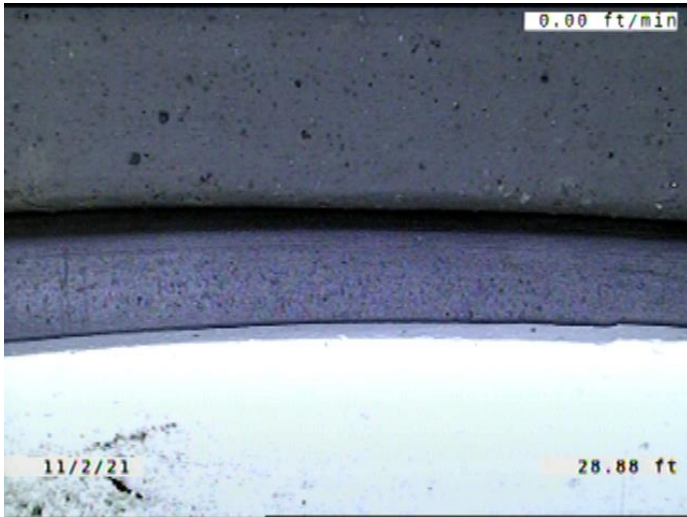
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **11.0**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **S01**
Within 8" of Joint: **NO**
Remarks:



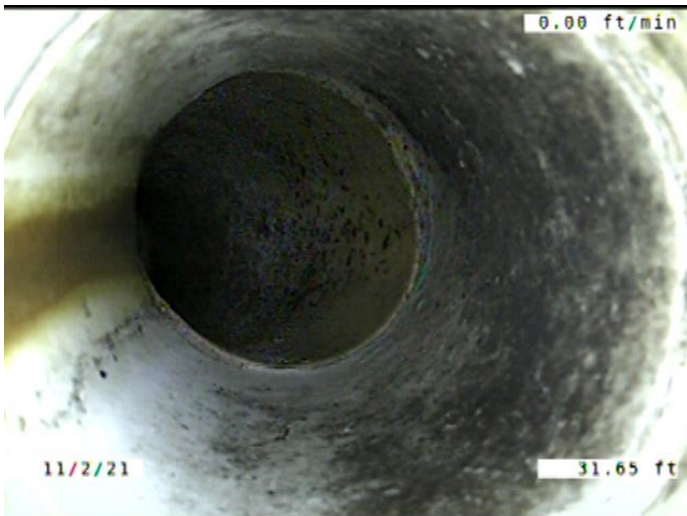
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **27.3**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **F01**
Within 8" of Joint: **NO**
Remarks:



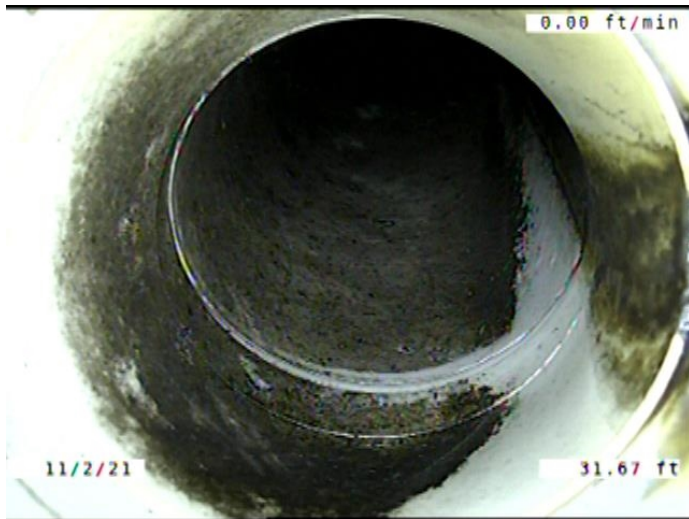
Code: **MMC**
Description: **Miscellaneous Material Change**

Distance (ft): **28.9**
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 PVC**



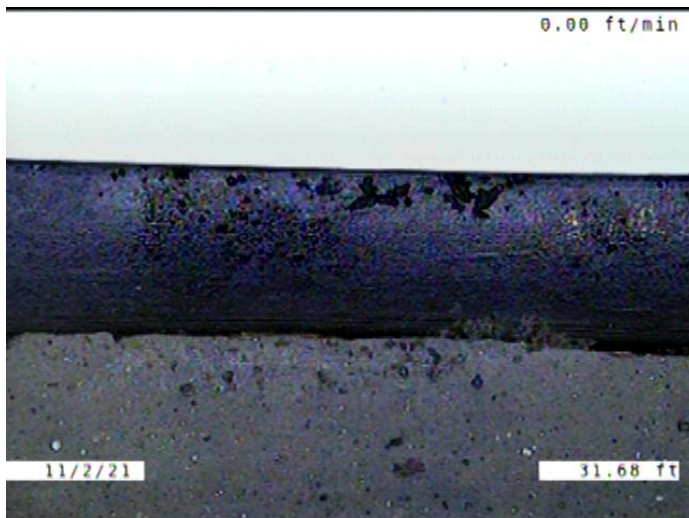
Code: **TF**
Description: **Tap Factory**

Distance (ft): **31.6**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **11**
Clock To:
1st Value: **4.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks: **CONSTANTLY RUNNING WATER.**



Code: **TF**
Description: **Tap Factory**

Distance (ft): **31.7**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **2**
Clock To:
1st Value: **4.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks: **CONSTANTLY RUNNING WATER.**



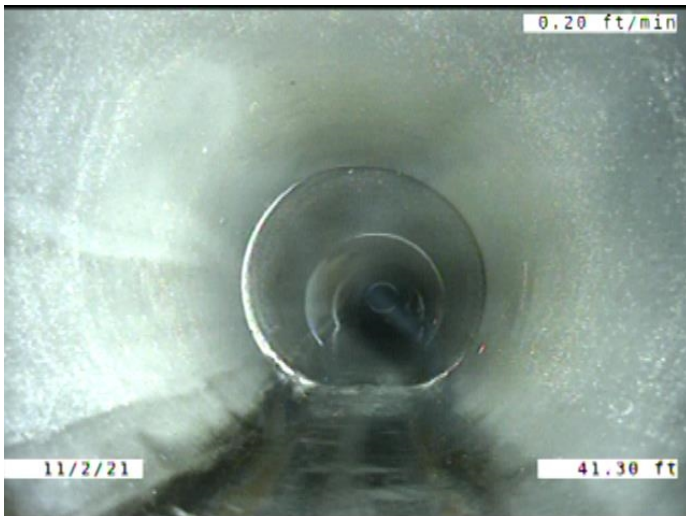
Code: **MMC**
Description: **Miscellaneous Material Change**

Distance (ft): **31.7**
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: **PVC TO VCP**



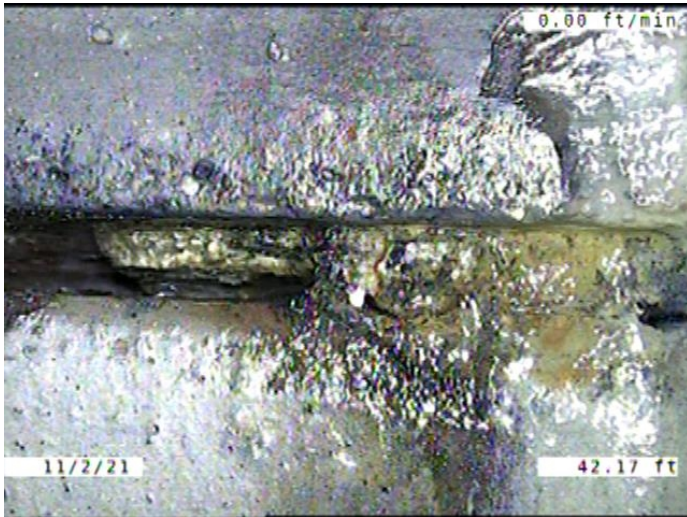
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **33.8**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **10.000**
Continuous Index: **S02**
Within 8" of Joint: **NO**
Remarks:



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

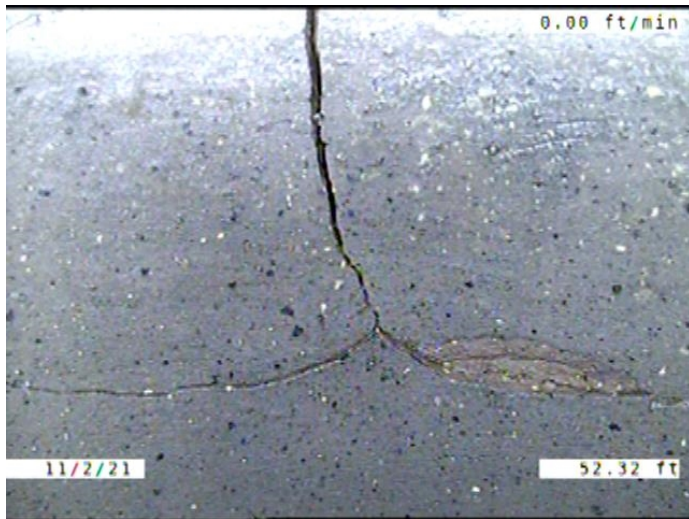
Distance (ft): **41.3**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **10.000**
Continuous Index: **F02**
Within 8" of Joint: **NO**
Remarks:



Code:	DAE
Description:	Deposits Attached Encrustation
Distance (ft):	42.2
Structural Grade:	0
O&M Grade:	2
Clock Start/From:	3
Clock To:	8
1st Value:	
2nd Value:	
Value Percent:	5.000
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	

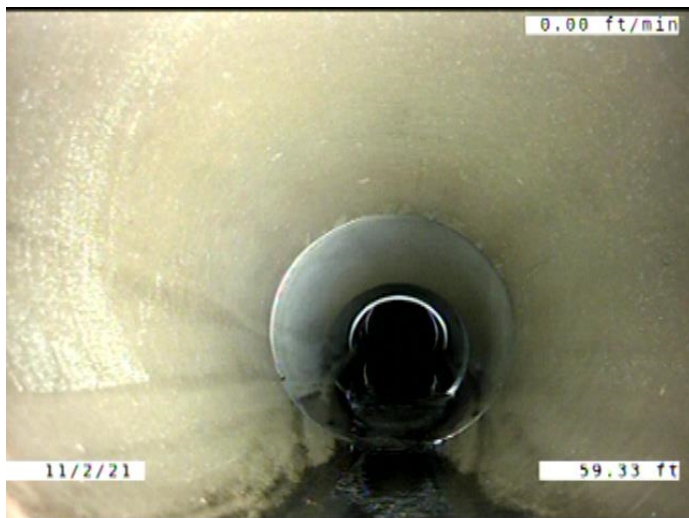


Code:	MWLS
Description:	Miscellaneous Water Level Sag
Distance (ft):	44.8
Structural Grade:	2
O&M Grade:	0
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	15.000
Continuous Index:	S03
Within 8" of Joint:	NO
Remarks:	



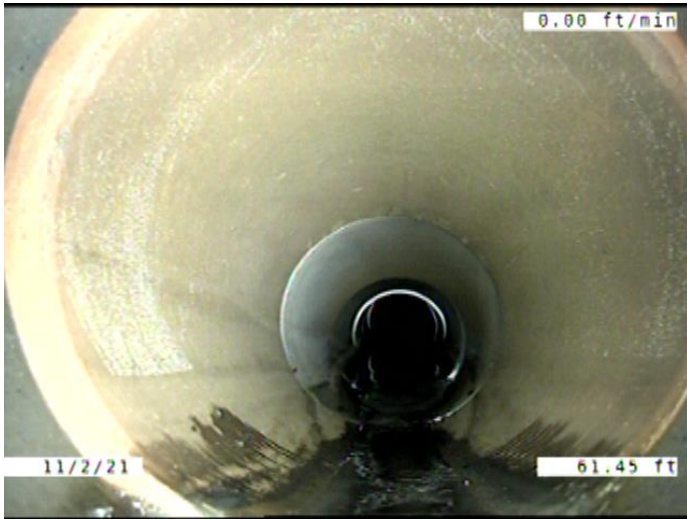
Code: **B**
 Description: **Broken**

Distance (ft): **52.3**
 Structural Grade: **4**
 O&M Grade: **0**
 Clock Start/From: **9**
 Clock To: **2**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



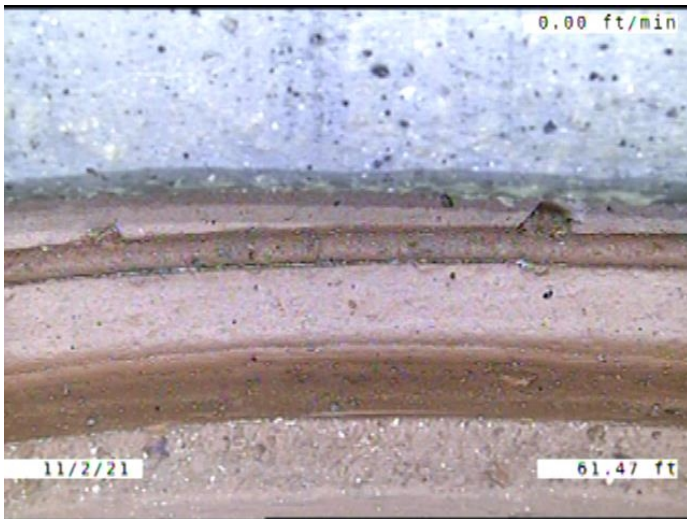
Code: **MWLS**
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **59.3**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **15.000**
 Continuous Index: **F03**
 Within 8" of Joint: **NO**
 Remarks:



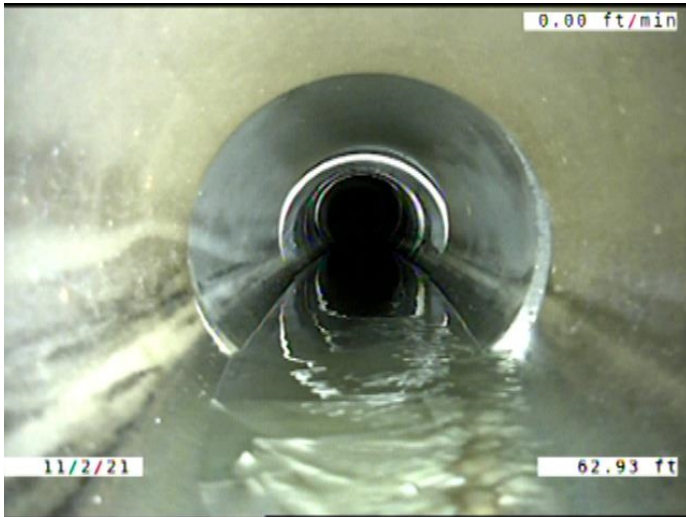
Code: **LD**
Description: **Line Down**

Distance (ft): **61.4**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **10.000**
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



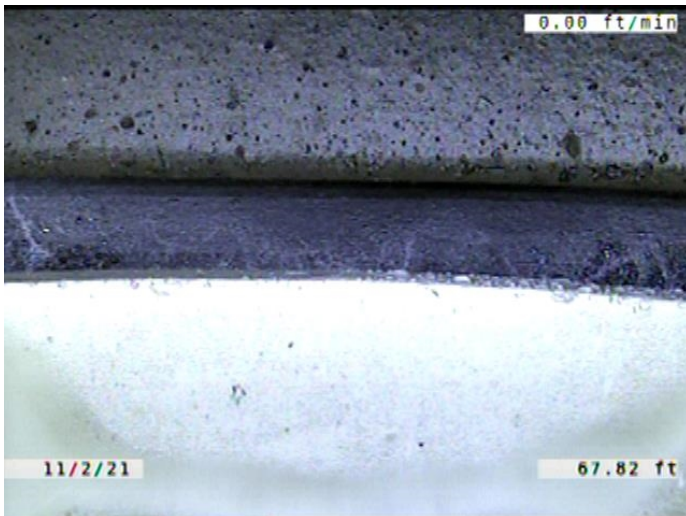
Code: **JAM**
Description: **Joint Angular Medium**

Distance (ft): **61.5**
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:



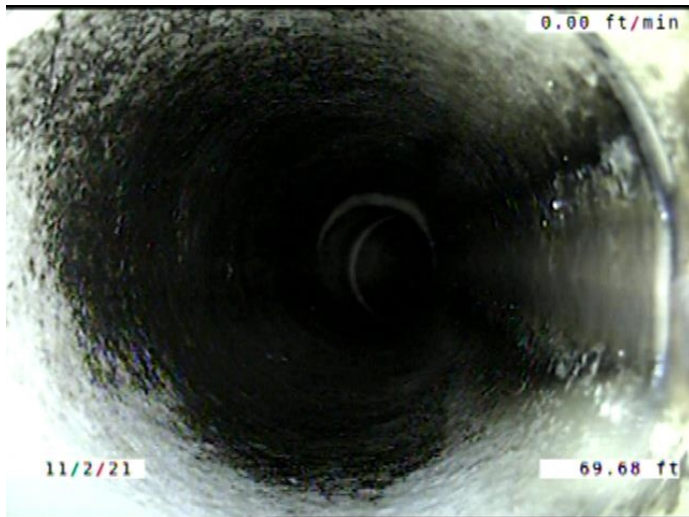
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **62.9**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **S04**
Within 8" of Joint: **NO**
Remarks:



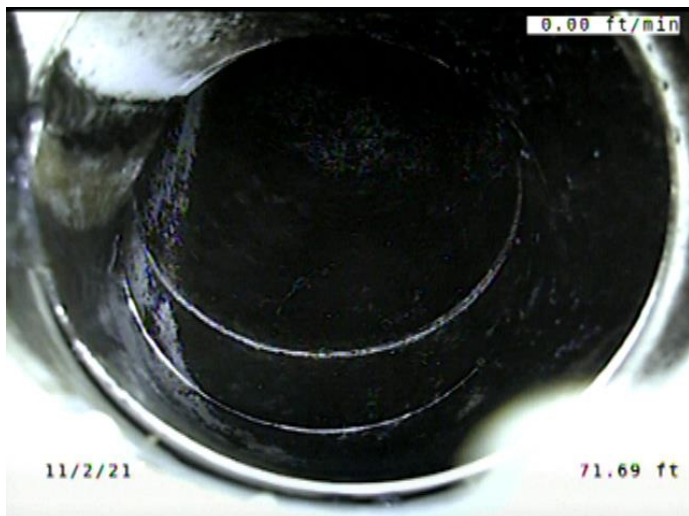
Code: **MMC**
Description: **Miscellaneous Material Change**

Distance (ft): **67.8**
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 PVC**



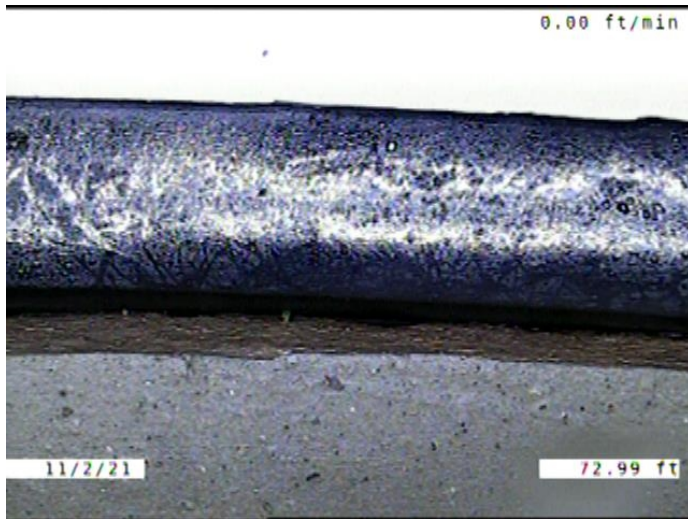
Code: **TF**
 Description: **Tap Factory**

Distance (ft): **69.7**
 Structural Grade: **0**
 O&M Grade: **0**
 Clock Start/From: **2**
 Clock To:
 1st Value: **4.000**
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



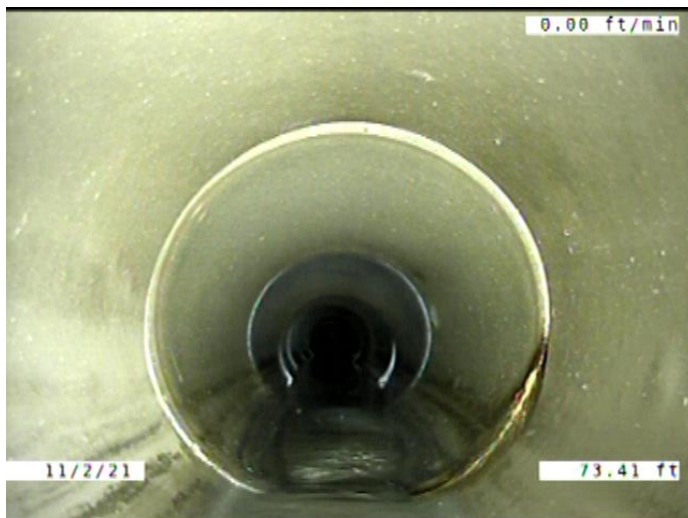
Code: **TF**
 Description: **Tap Factory**

Distance (ft): **71.7**
 Structural Grade: **0**
 O&M Grade: **0**
 Clock Start/From: **10**
 Clock To:
 1st Value: **4.000**
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks: **CONSTANTLY RUNNING WATER.**



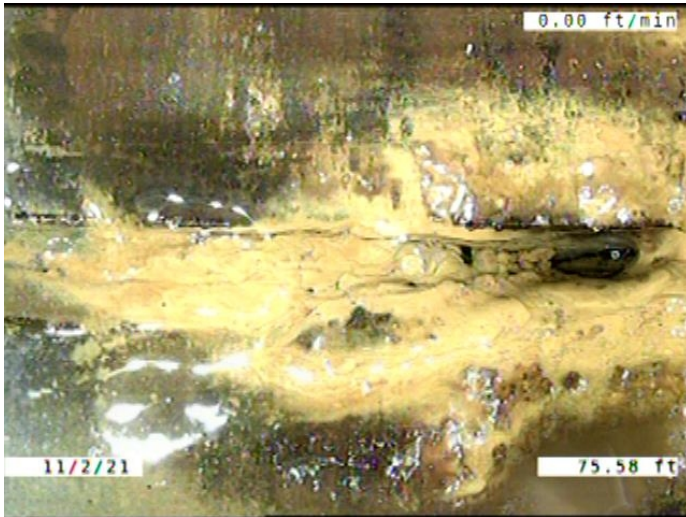
Code: **MMC**
Description: **Miscellaneous Material Change**

Distance (ft): **73.0**
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: **PVC TO VCP**



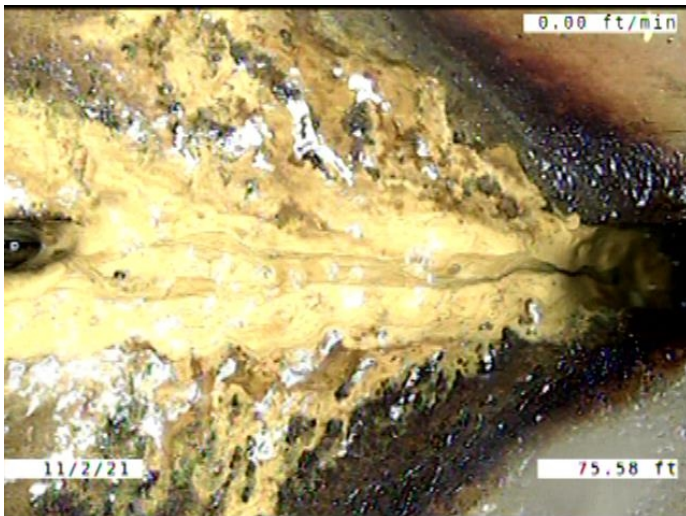
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **73.4**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **F04**
Within 8" of Joint: **NO**
Remarks:



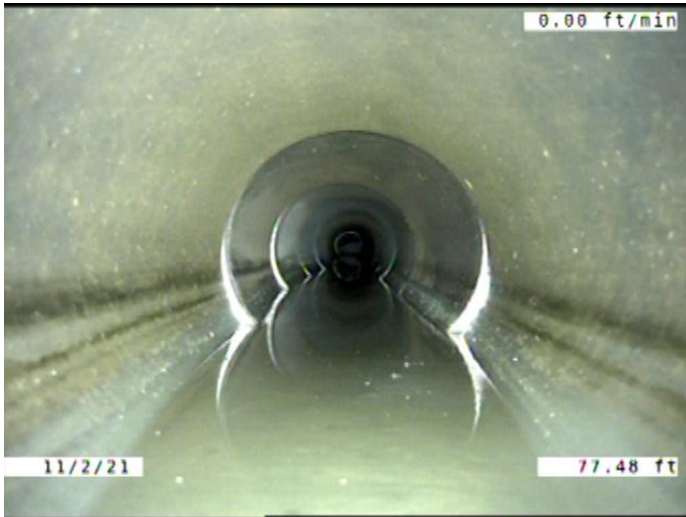
Code: **IRJ**
 Description: **Infiltration Runner Joint**

Distance (ft): **75.6**
 Structural Grade: **0**
 O&M Grade: **4**
 Clock Start/From: **3**
 Clock To:
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



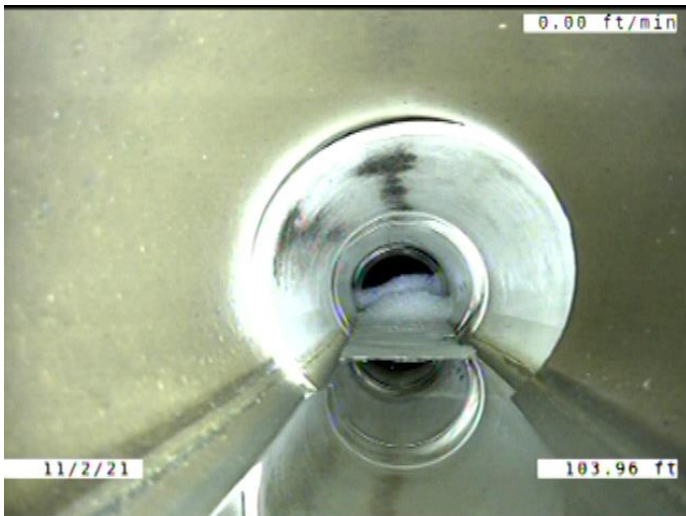
Code: **DAE**
 Description: **Deposits Attached Encrustation**

Distance (ft): **75.6**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **3**
 Clock To: **5**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



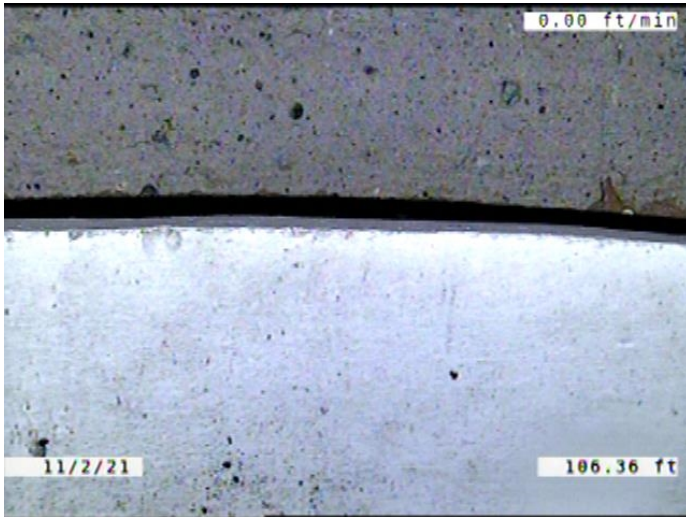
Code: **MWLS**
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **77.5**
 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:



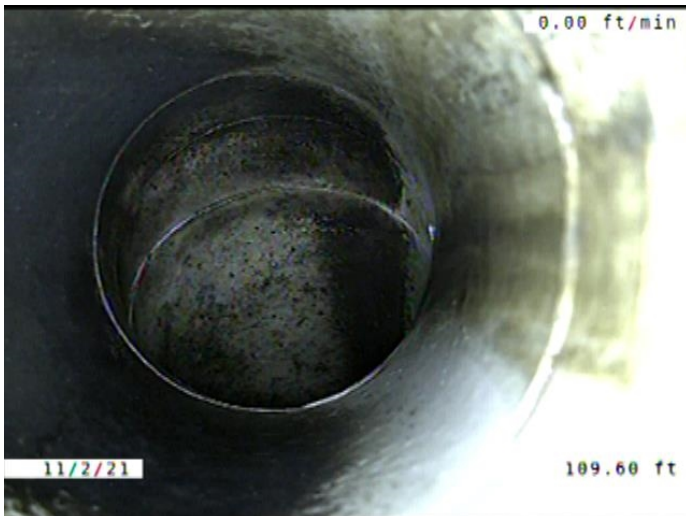
Code: **MWLS**
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **104.0**
 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:



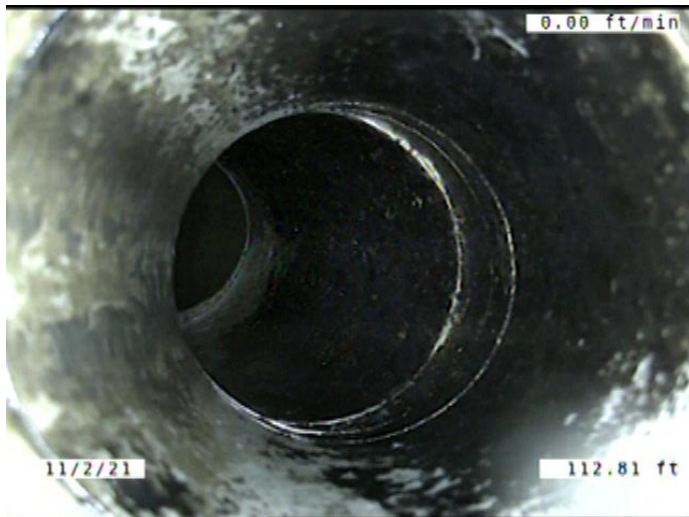
Code: **MMC**
Description: **Miscellaneous Material Change**

Distance (ft): **106.4**
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 PVC**



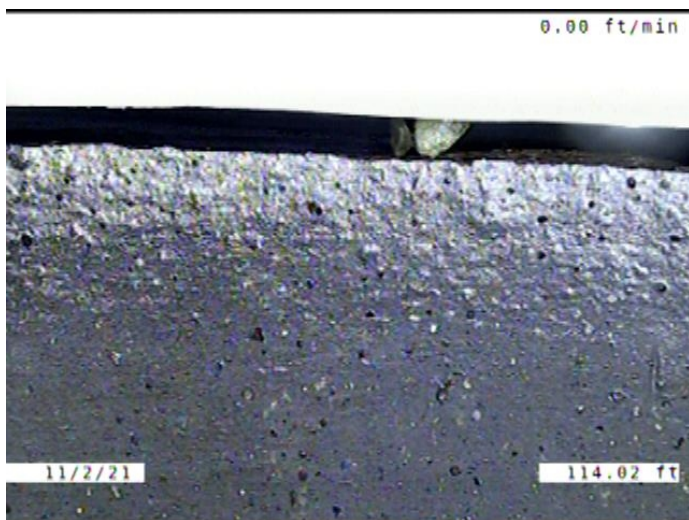
Code: **TF**
Description: **Tap Factory**

Distance (ft): **109.6**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **2**
Clock To:
1st Value: **4.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks: **CONSTANTLY RUNNING WATER.**



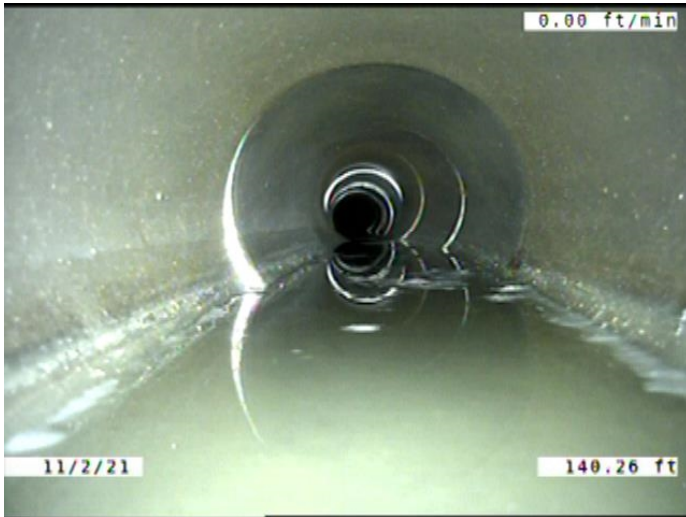
Code: **TF**
 Description: **Tap Factory**

Distance (ft): **112.8**
 Structural Grade: **0**
 O&M Grade: **0**
 Clock Start/From: **11**
 Clock To:
 1st Value: **4.000**
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



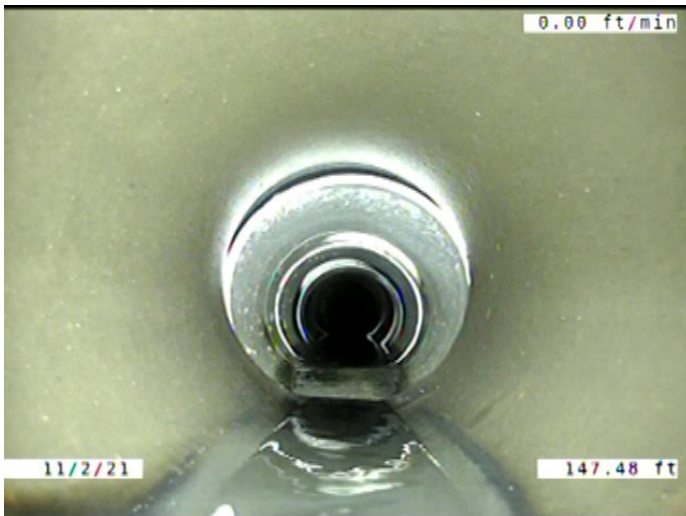
Code: **MMC**
 Description: **Miscellaneous Material Change**

Distance (ft): **114.0**
 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: **PVC TO VCP**



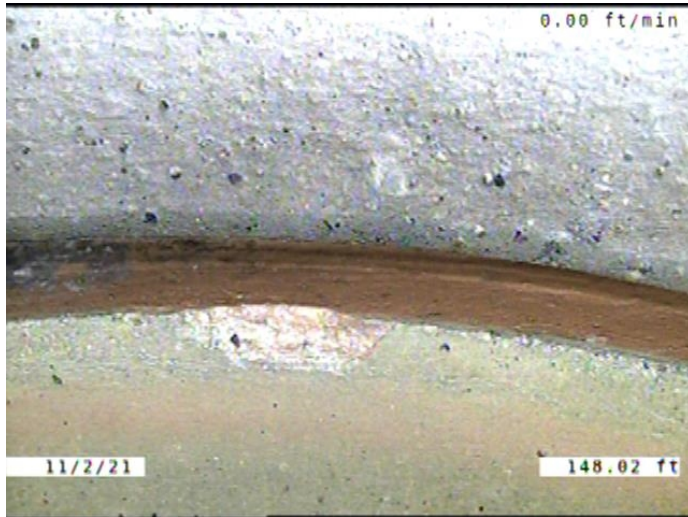
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **140.3**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **S06**
Within 8" of Joint: **NO**
Remarks:



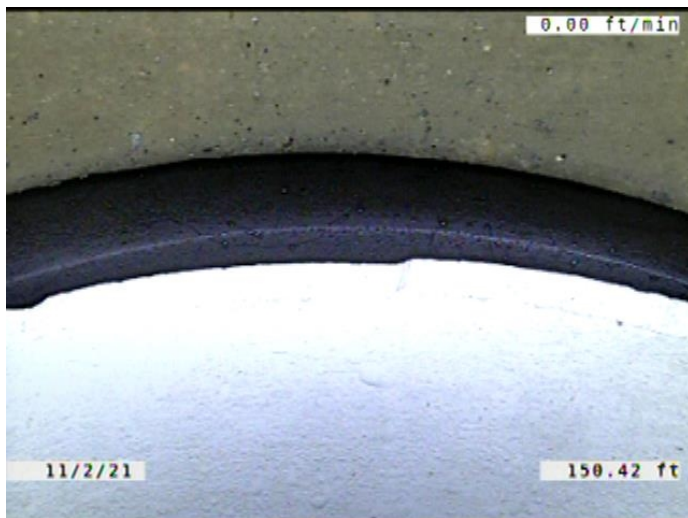
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **147.5**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **F06**
Within 8" of Joint: **NO**
Remarks:



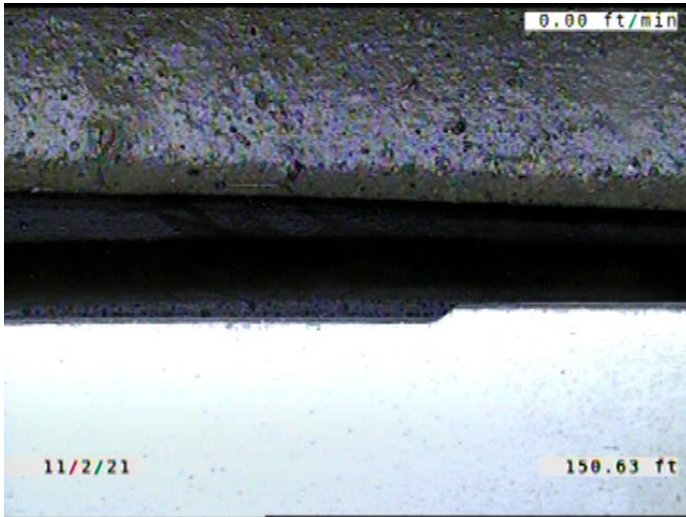
Code: **SZ**
Description: **Surface Damage Other**

Distance (ft): **148.0**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **1**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks: **A PIECE CHIPPED AWAY FROM THE JOINT**



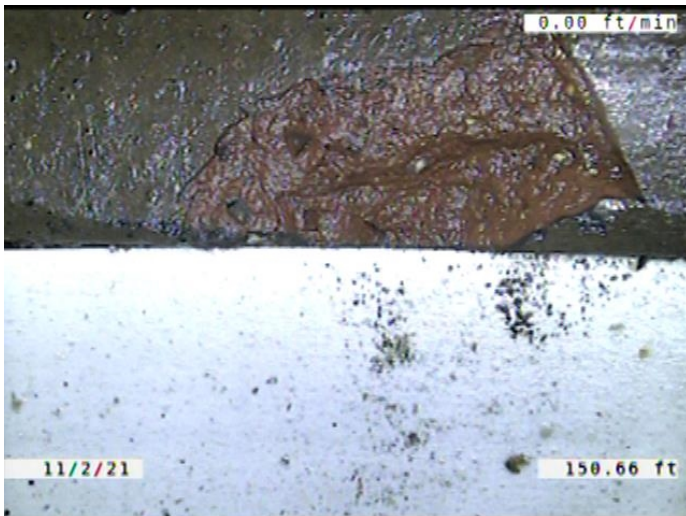
Code: **JOM**
Description: **Joint Offset Medium**

Distance (ft): **150.4**
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:



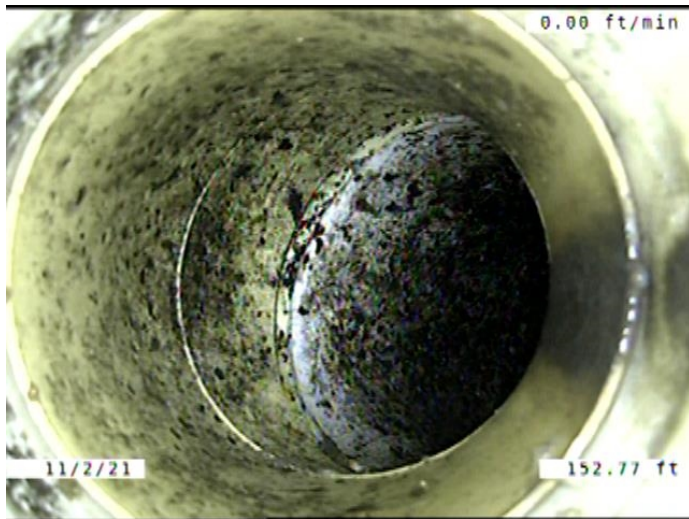
Code: **MMC**
Description: **Miscellaneous Material Change**

Distance (ft): **150.6**
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 PVC**



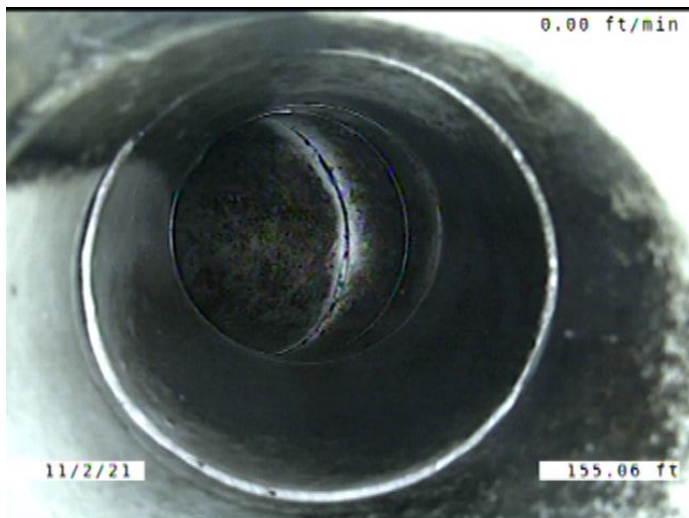
Code: **SZ**
Description: **Surface Damage Other**

Distance (ft): **150.7**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **2**
Clock To: **4**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks: **A COUPLE PIECES CHIPPED AWAY FROM THE JOINT**



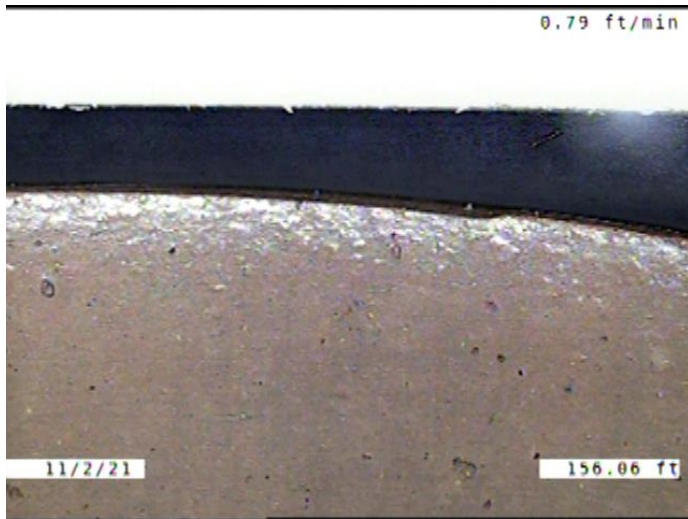
Code: **TF**
Description: **Tap Factory**

Distance (ft): **152.8**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **1**
Clock To:
1st Value: **4.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks: **CONSTANTLY DRIPPING WATER.**



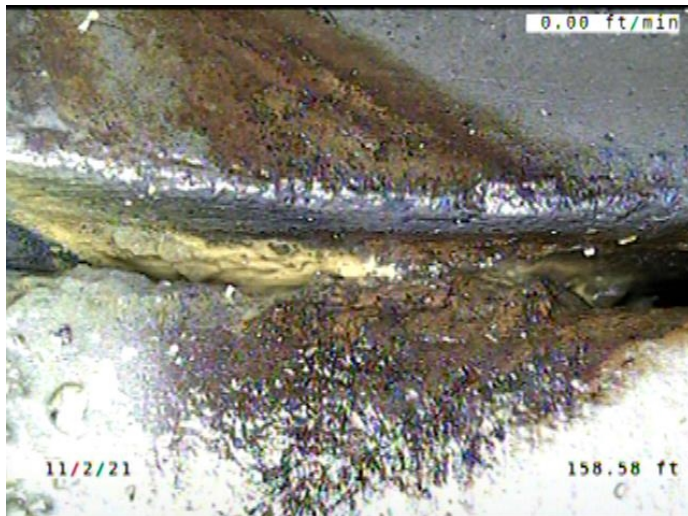
Code: **TF**
Description: **Tap Factory**

Distance (ft): **155.1**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **11**
Clock To:
1st Value: **4.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks: **CONSTANTLY RUNNING WATER.**



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

Distance (ft): **156.0**
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: **PVC TO VCP**



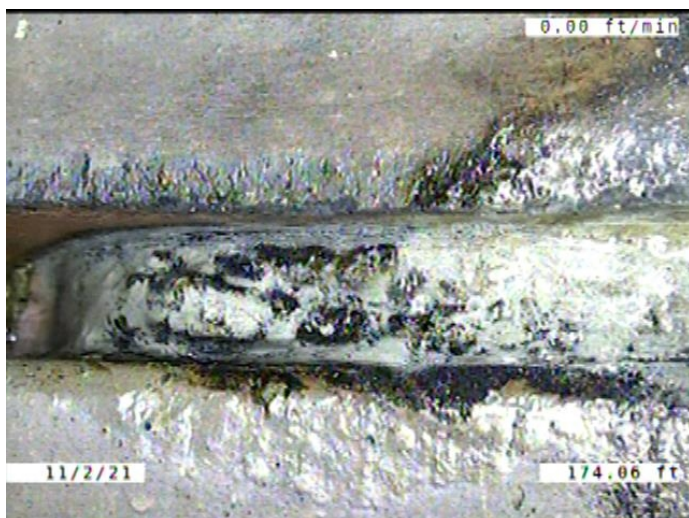
Code: **DAE**
Description: **Deposits Attached Encrustation**

Distance (ft): **158.6**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **4**
Clock To: **5**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



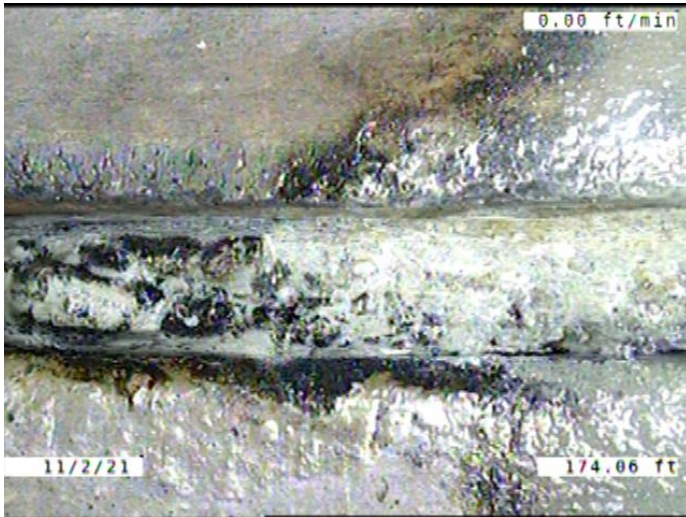
Code: **DAE**
 Description: **Deposits Attached Encrustation**

Distance (ft): **163.9**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **7**
 Clock To: **8**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



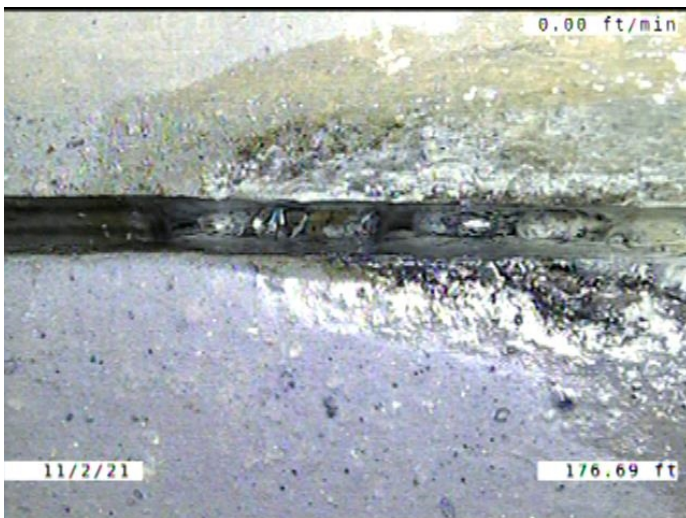
Code: **DAE**
 Description: **Deposits Attached Encrustation**

Distance (ft): **174.1**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **7**
 Clock To: **8**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



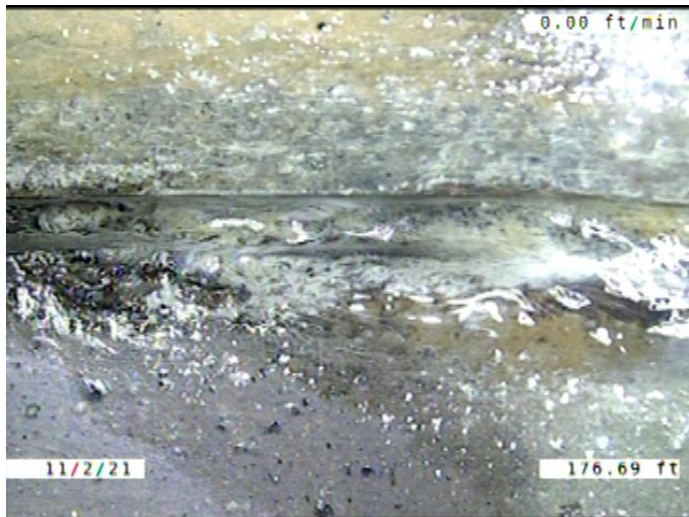
Code: **IRJ**
 Description: **Infiltration Runner Joint**

Distance (ft): **174.1**
 Structural Grade: **0**
 O&M Grade: **4**
 Clock Start/From: **8**
 Clock To:
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



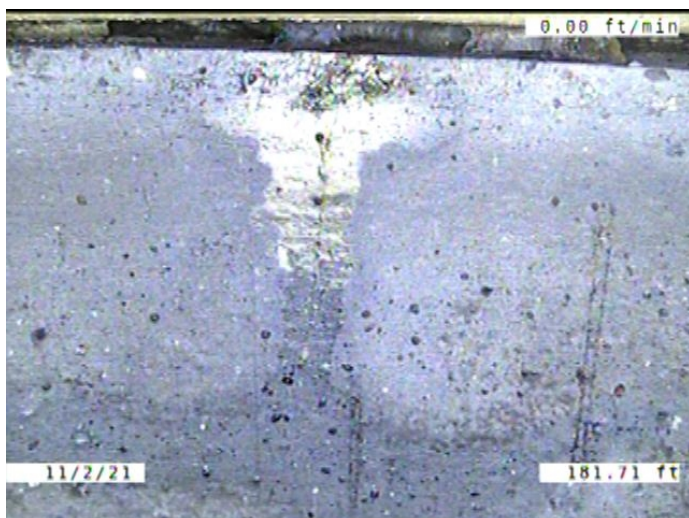
Code: **IRJ**
 Description: **Infiltration Runner Joint**

Distance (ft): **176.7**
 Structural Grade: **0**
 O&M Grade: **4**
 Clock Start/From: **9**
 Clock To:
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



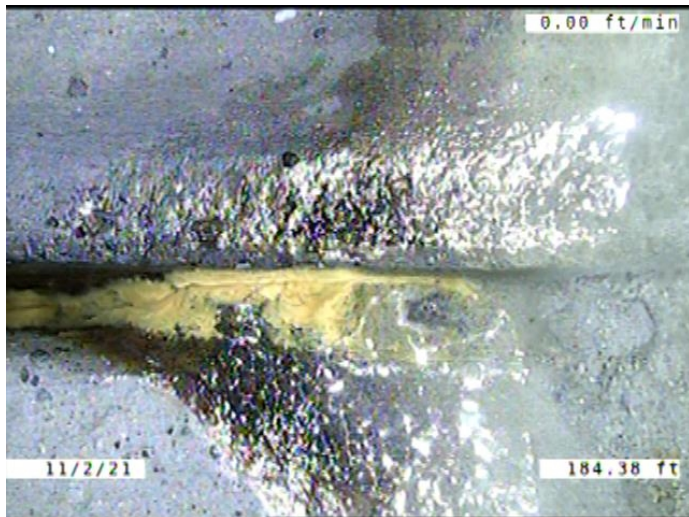
Code: **DAE**
 Description: **Deposits Attached Encrustation**

Distance (ft): **176.7**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **7**
 Clock To: **9**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



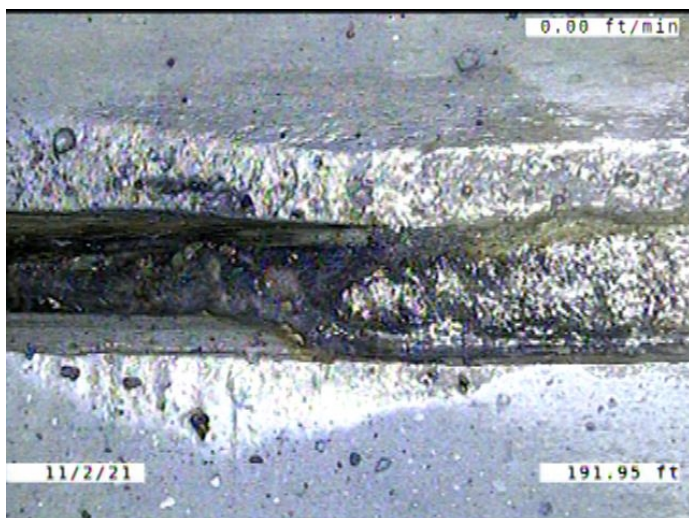
Code: **CL**
 Description: **Crack Longitudinal**

Distance (ft): **181.7**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From: **12**
 Clock To:
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



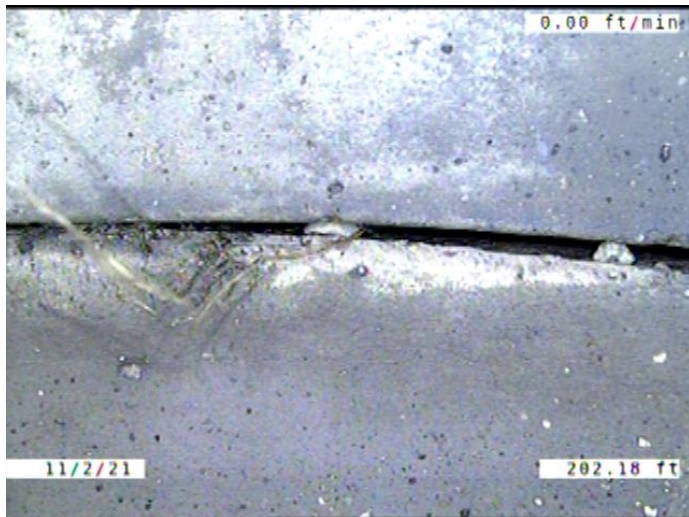
Code: **DAE**
 Description: **Deposits Attached Encrustation**

Distance (ft): **184.4**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **4**
 Clock To: **8**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



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

Distance (ft): **191.9**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **3**
 Clock To: **9**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



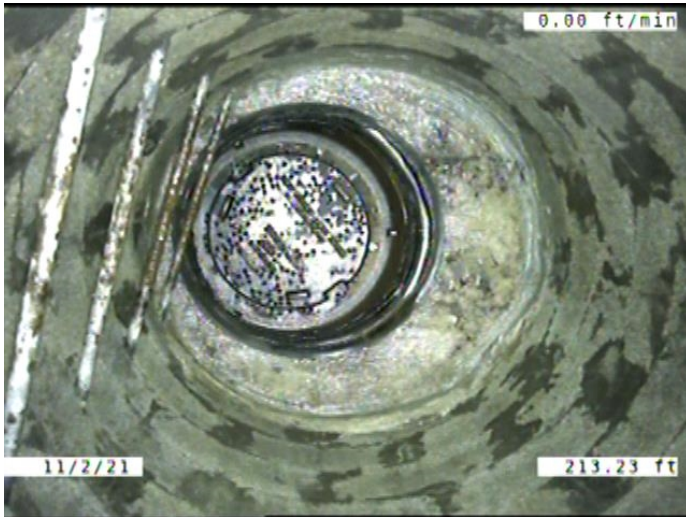
Code: **RFJ**
 Description: **Roots Fine Joint**

Distance (ft): **202.2**
 Structural Grade: **0**
 O&M Grade: **1**
 Clock Start/From: **10**
 Clock To: **1**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



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

Distance (ft): **205.0**
 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:	AMH
Description:	Manhole
Distance (ft):	213.2
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-504-039