

# Profile/Photo Observation Report



Date:	02/09/2022	Weather:		Coding:	PACP 7.0
Pipe Length (ft):	201.5	Owner:	City of Hobart	Pre Clean:	Heavy Cleaning
P.O.#:	YES502259	Surveyor:	S. Bucklin	PSR:	P-606-071-058
Customer:	City of Hobart	Clean Date:	02/06/2022	Shape:	C

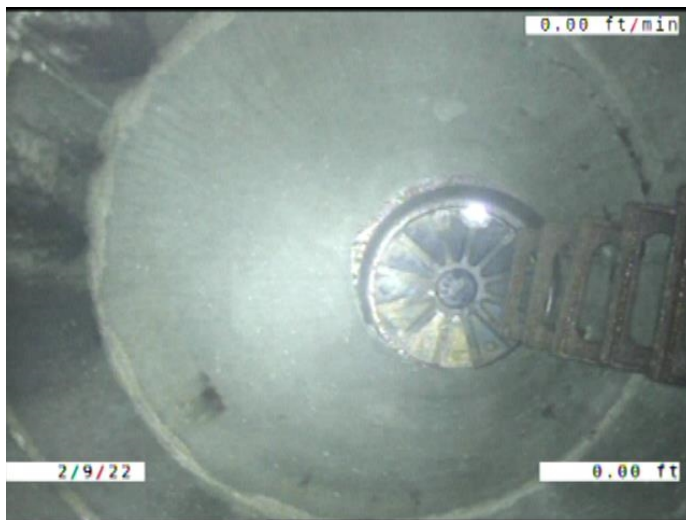
Street:	South Washington Street	Flow Control:	Not Controlled
City:	Hobart, IN	Year Renewed:	
Location:	Alley	Tape/Media #:	
Purpose:	Routine Assessment	Dia/Height:	10"
Use:	Sanitary Sewage Pipe	Material:	VCP
Drain Area:		Lining:	None
Category:	NA		
Comment:			
Location Details:		Direction of Survey:	Downstream
US MH:	M-606-058	DS MH:	M-606-071
		Total Length Surveyed (ft):	201.5

O&M Index:	2.04	O&M Quick:	4132	O&M Rating:	102.00
Structural Index:	2.11	Structural Quick:	412B	Structural Rating:	40.00
Overall Index:	2.06	Overall Quick:	4232	Overall Rating:	142.00

Position	Code	Observation	Video (sec)	Grade
.0	AMH	Manhole	1	NA
.0	MWL	Miscellaneous Water Level	82	NA
2.8	DAE(S01)	Deposits Attached Encrustation	137	M 2
7.2	RFL	Roots Fine Lateral	177	M 1
7.9	TFA	Tap Factory Activity	200	NA
8.7	IDJ	Infiltration Dripper Joint	225	M 3
12.4	OBZ	Obstruction Other	259	M 2
13.1	IWJ	Infiltration Weeper Joint	285	M 2
19.4	MMC	Miscellaneous Material Change	367	NA
25.2	OBZ	Obstruction Other	406	M 2
25.4	MMC	Miscellaneous Material Change	447	NA
28.0	OBZ	Obstruction Other	486	M 2
30.5	TF	Tap Factory	518	NA
47.6	MWLS(S02)	Miscellaneous Water Level Sag	611	S 2
54.6	MWLS(F02)	Miscellaneous Water Level Sag	647	S 2
59.4	MWLS(S03)	Miscellaneous Water Level Sag	678	S 2
71.6	FM	Fracture Multiple	773	S 4
71.7	IWB	Infiltration Weeper Barrel	785	M 2
72.6	TFD	Tap Factory Defective	813	M 3

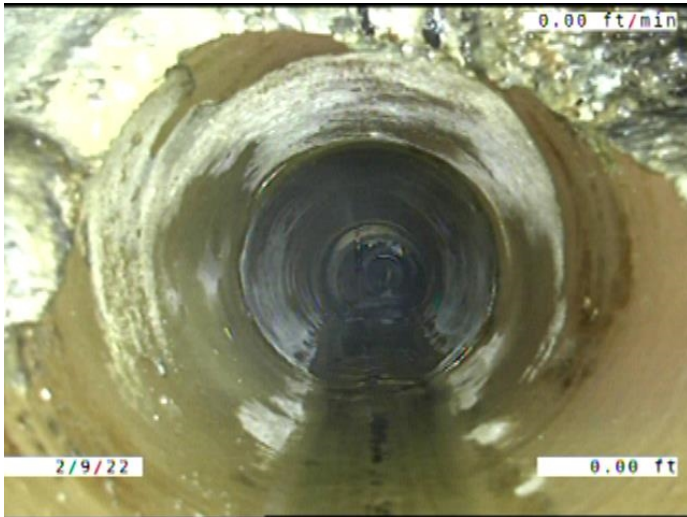
76.9	MWLS(F03)	Miscellaneous Water Level Sag	846	S 2
82.0	RFL	Roots Fine Lateral	878	M 1
82.5	TF	Tap Factory	913	NA
83.7	MWLS(S04)	Miscellaneous Water Level Sag	944	S 2
91.4	MWLS(F04)	Miscellaneous Water Level Sag	1011	S 2
102.5	MWLS(S05)	Miscellaneous Water Level Sag	1065	S 2
107.0	MWLS(F05)	Miscellaneous Water Level Sag	1086	S 2
122.4	CS	Crack Spiral	1171	S 2
125.6	MMC	Miscellaneous Material Change	1220	NA
127.2	TF	Tap Factory	1246	NA
129.1	IRC	Infiltration Runner Connection	1303	M 4
129.7	TF	Tap Factory	1333	NA
135.3	MMC	Miscellaneous Material Change	1393	NA
137.5	MWLS(S06)	Miscellaneous Water Level Sag	1419	S 2
152.2	MWLS(F06)	Miscellaneous Water Level Sag	1482	S 2
177.9	MWLS(S07)	Miscellaneous Water Level Sag	1588	S 2
192.1	MWLS(F07)	Miscellaneous Water Level Sag	1642	S 2
194.2	MWLS(S08)	Miscellaneous Water Level Sag	1662	S 2
196.8	MMC	Miscellaneous Material Change	1706	NA
200.0	MWLS(F08)	Miscellaneous Water Level Sag	1737	S 2
200.5	CS	Crack Spiral	1773	S 2
200.9	MMC	Miscellaneous Material Change	1831	NA
200.9	CS	Crack Spiral	1847	S 2
201.5	DAE(F01)	Deposits Attached Encrustation	1974	M 2
201.5	AMH	Manhole	1983	NA

**M-606-071**



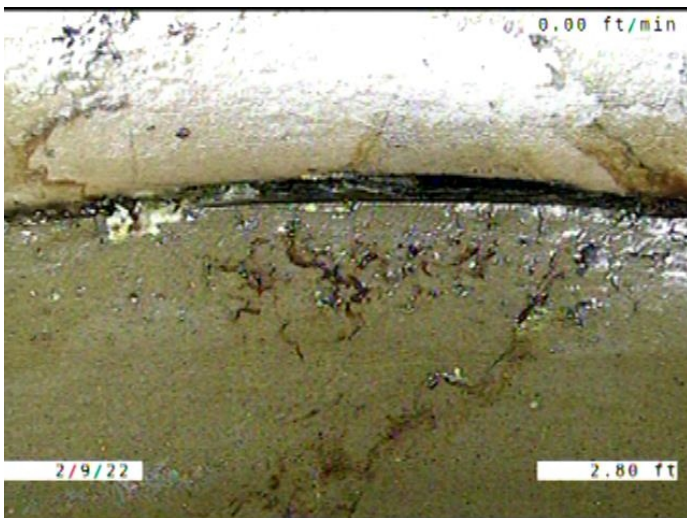
Code: **AMH**  
Description: **Manhole**

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-606-058**



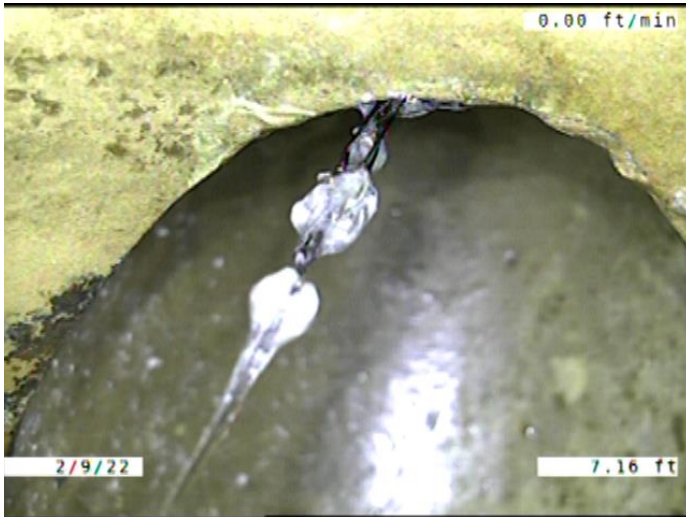
Code: **MWL**  
 Description: **Miscellaneous Water Level**

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:



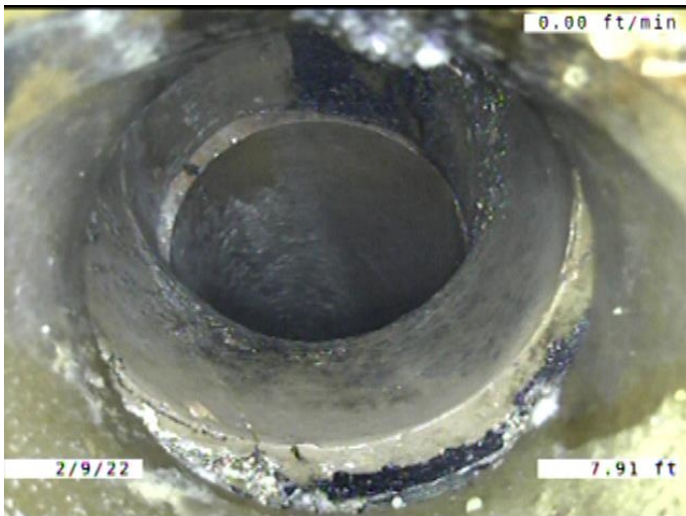
Code: **DAE**  
 Description: **Deposits Attached Encrustation**

Distance (ft): **2.8**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **8**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index: **S01**  
 Within 8" of Joint: **YES**  
 Remarks:



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

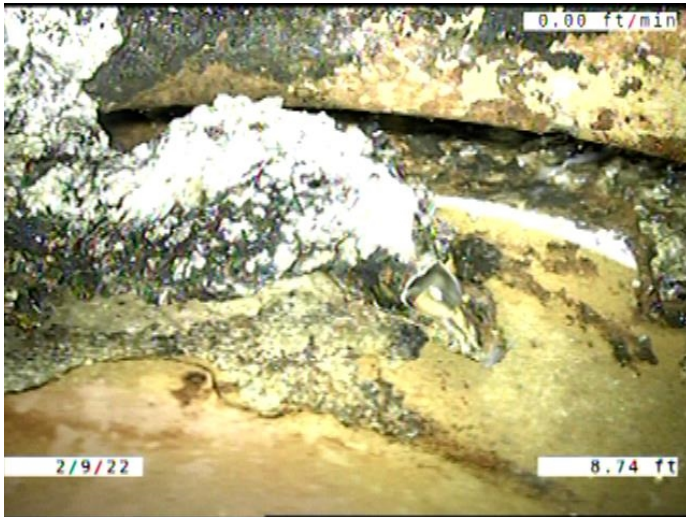
Distance (ft): **7.2**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From: **11**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:



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

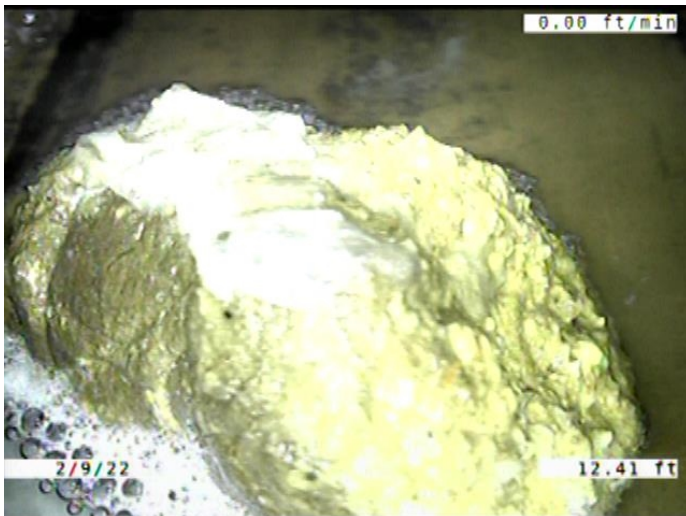
Distance (ft): **7.9**  
 Structural Grade: **0**  
 O&M Grade: **0**  
 Clock Start/From: **12**  
 Clock To:  
 1st Value: **6.000**  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks: **SERVICE LINE CRACKED.  
 CONSTANTLY RUNNING WATER. OFF**





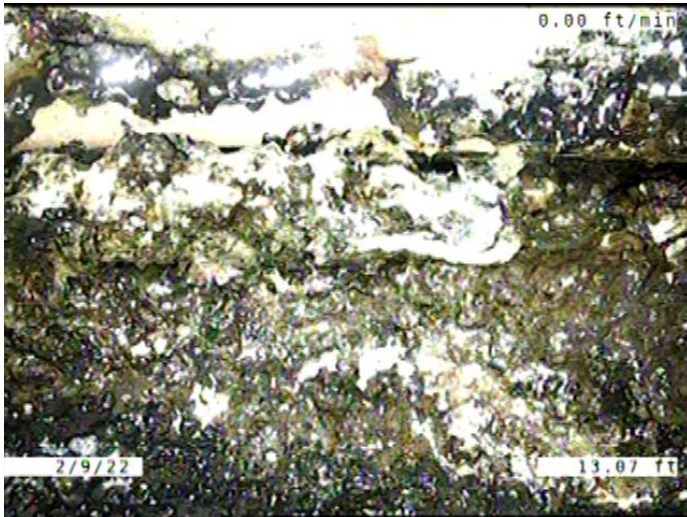
Code: **IDJ**  
 Description: **Infiltration Dripper Joint**

Distance (ft): **8.7**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **1**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



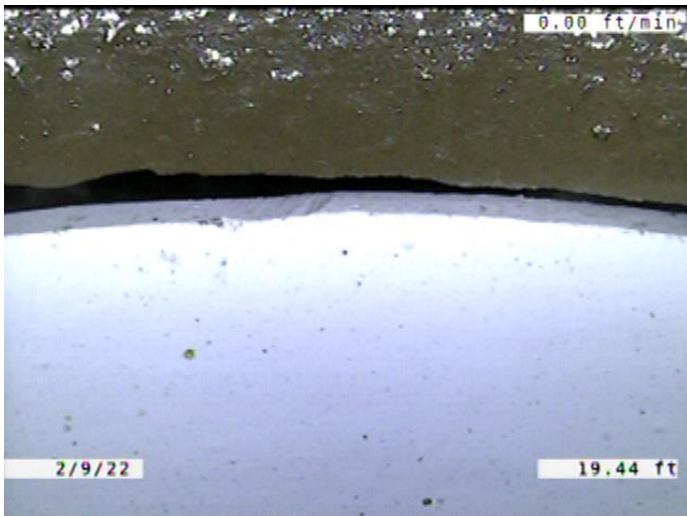
Code: **OBZ**  
 Description: **Obstruction Other**

Distance (ft): **12.4**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **6**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks: **A PIECE OF ENCRUSTATION THAT HAS BEEN CUT OFF THE PIPE WALL.**



Code: **IWJ**  
 Description: **Infiltration Weeper Joint**

Distance (ft): **13.1**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **1**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:

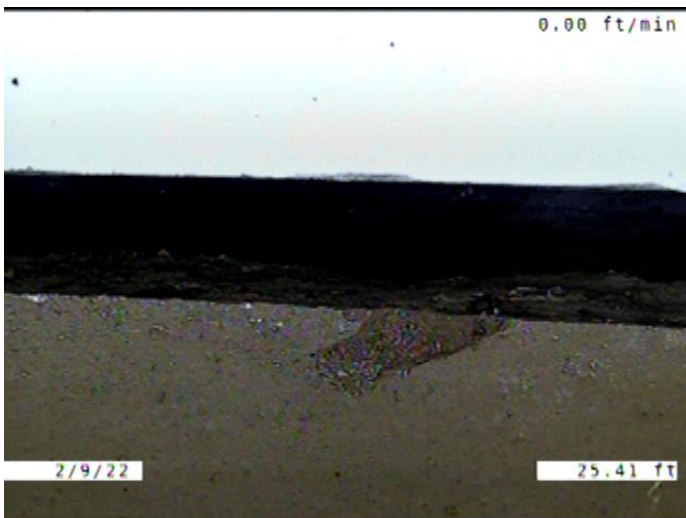


Code: **MMC**  
 Description: **Miscellaneous Material Change**

Distance (ft): **19.4**  
 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**

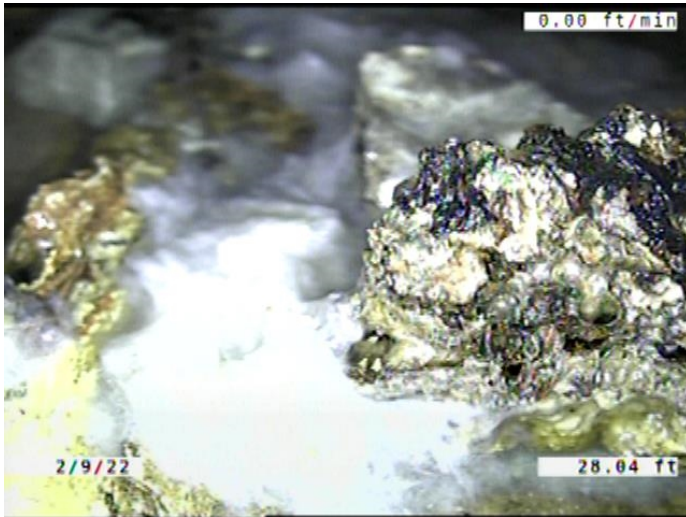


Code:	<b>OBZ</b>
Description:	<b>Obstruction Other</b>
Distance (ft):	<b>25.2</b>
Structural Grade:	<b>0</b>
O&M Grade:	<b>2</b>
Clock Start/From:	<b>5</b>
Clock To:	<b>6</b>
1st Value:	
2nd Value:	
Value Percent:	<b>5.000</b>
Continuous Index:	
Within 8" of Joint:	<b>YES</b>
Remarks:	<b>A PIECE OF ENCRUSTATION THAT WAS CUT OFF THE PIPE WALL.</b>



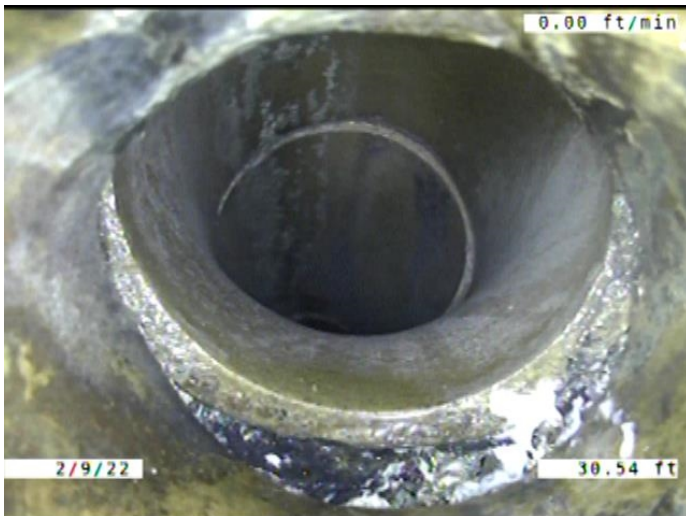
Code:	<b>MMC</b>
Description:	<b>Miscellaneous Material Change</b>
Distance (ft):	<b>25.4</b>
Structural Grade:	<b>0</b>
O&M Grade:	<b>0</b>
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	<b>NO</b>
Remarks:	<b>PVC TO VCP</b>





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

Distance (ft): **28.0**  
 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: **A PIECE OF ENCRUSTATION THAT WAS CUT OFF THE PIPE WALL.**



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

Distance (ft): **30.5**  
 Structural Grade: **0**  
 O&M Grade: **0**  
 Clock Start/From: **12**  
 Clock To:  
 1st Value: **6.000**  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks: **LARGE OFFSET SOIL VISIBLE AT THE SERVICE TO MAIN CONNECTION.**

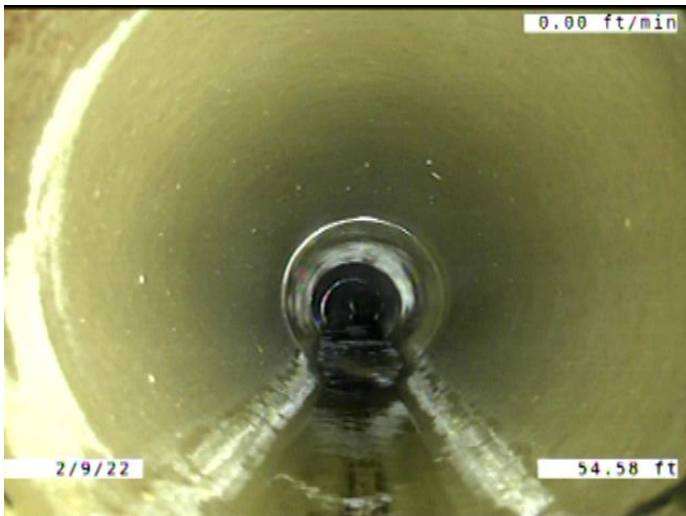




Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

Distance (ft): **47.6**  
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:

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

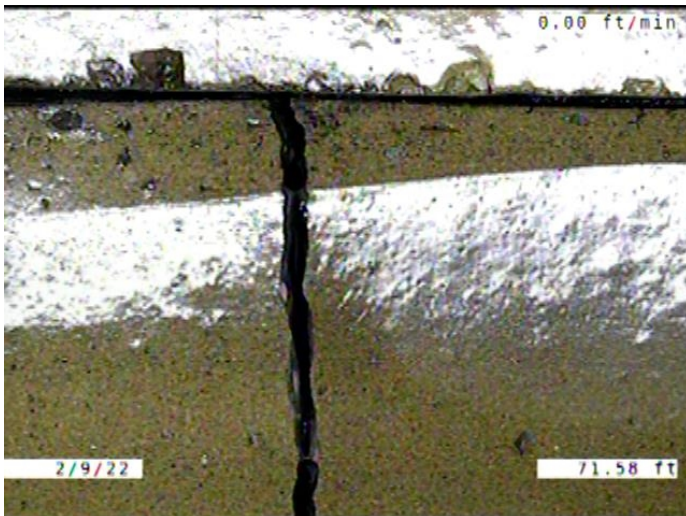
Distance (ft): **54.6**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **10.000**  
Continuous Index: **F02**  
Within 8" of Joint: **NO**  
Remarks:

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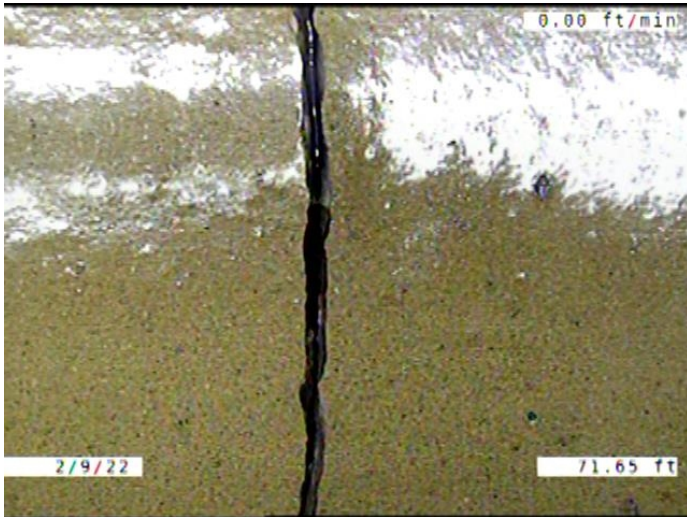
Code: **MWLS**  
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **59.4**  
 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:



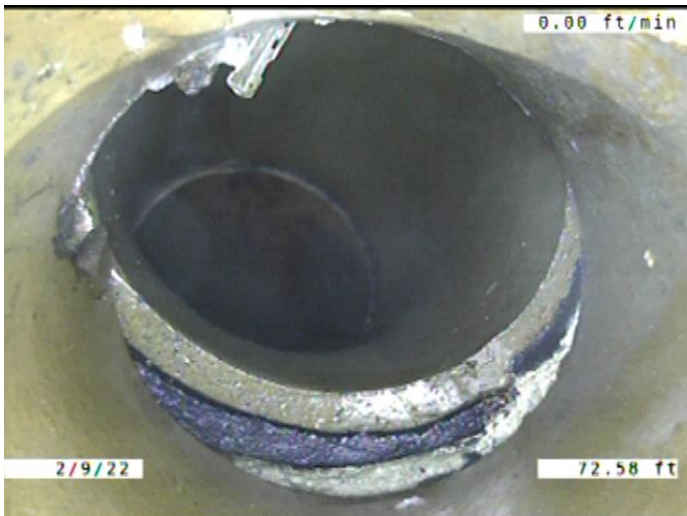
Code: **FM**  
 Description: **Fracture Multiple**

Distance (ft): **71.6**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **11**  
 Clock To: **2**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks: **Goes into tap and out again**



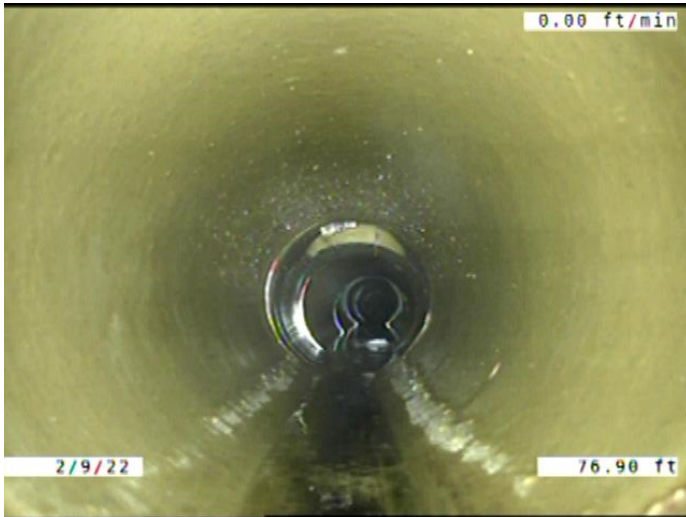
Code: **IWB**  
 Description: **Infiltration Weeper Barrel**

Distance (ft): **71.7**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **12**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **72.6**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **12**  
 Clock To:  
 1st Value: **6.000**  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks: **TAP BROKEN. LARGE OFFSET ON THE SERVICE TO MAIN CONNECTION.**



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

Distance (ft): **76.9**  
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: **RFL**  
Description: **Roots Fine Lateral**

Distance (ft): **82.0**  
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:

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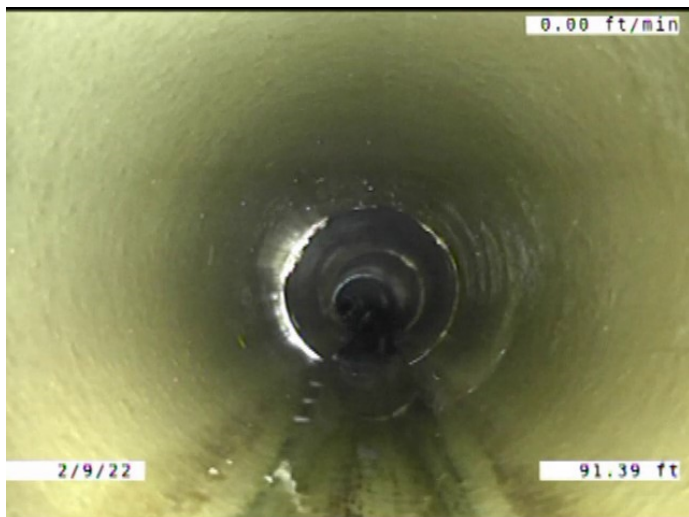




Code:	<b>TF</b>
Description:	<b>Tap Factory</b>
Distance (ft):	<b>82.5</b>
Structural Grade:	<b>0</b>
O&M Grade:	<b>0</b>
Clock Start/From:	<b>12</b>
Clock To:	
1st Value:	<b>6.000</b>
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	<b>YES</b>
Remarks:	<b>ENCrustATION COMING FROM THE SERVICE TO MAIN CONNECTION. CO</b>



Code:	<b>MWLS</b>
Description:	<b>Miscellaneous Water Level Sag</b>
Distance (ft):	<b>83.7</b>
Structural Grade:	<b>2</b>
O&M Grade:	<b>0</b>
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	<b>10.000</b>
Continuous Index:	<b>S04</b>
Within 8" of Joint:	<b>NO</b>
Remarks:	



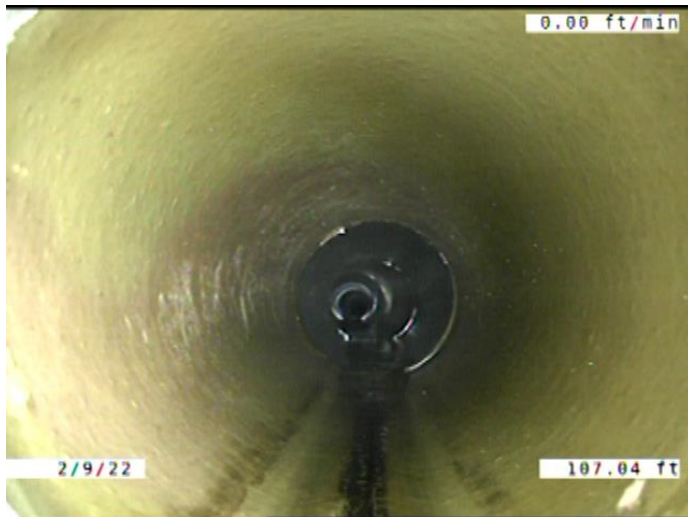
Code: **MWLS**  
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **91.4**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **10.000**  
 Continuous Index: **F04**  
 Within 8" of Joint: **NO**  
 Remarks:



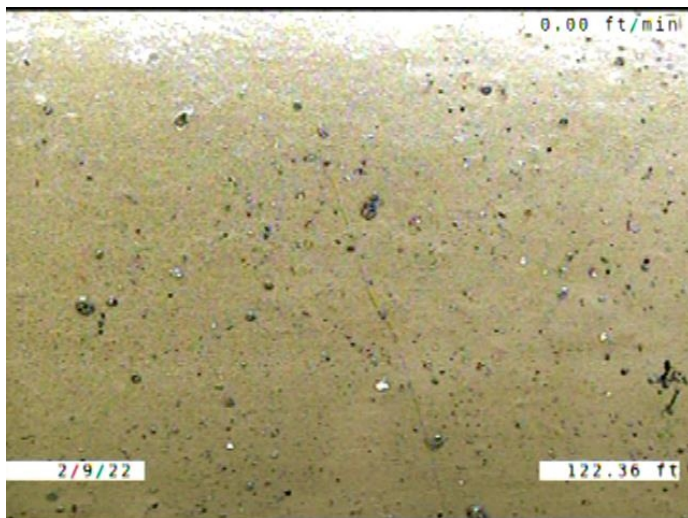
Code: **MWLS**  
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **102.5**  
 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:



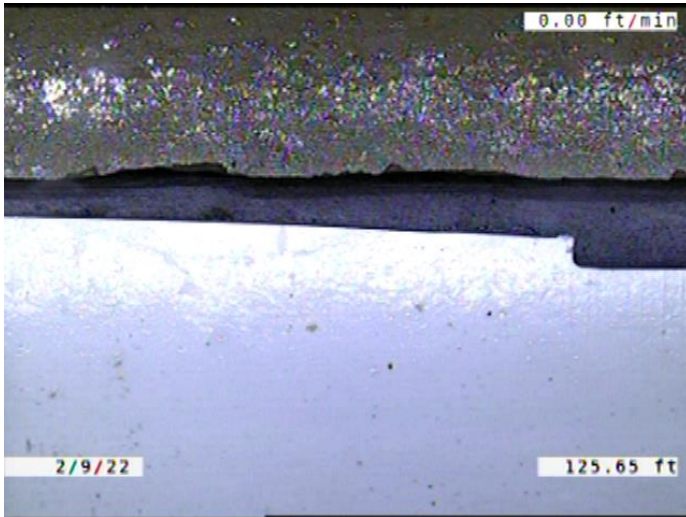
Code: **MWLS**  
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **107.0**  
 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: **CS**  
 Description: **Crack Spiral**

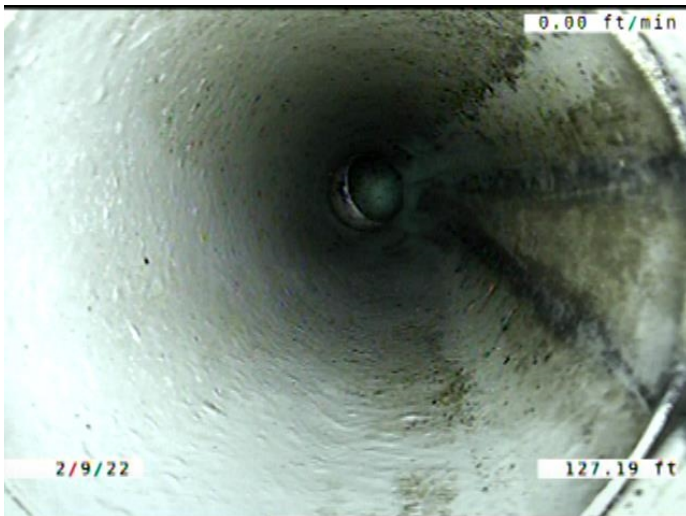
Distance (ft): **122.4**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From: **12**  
 Clock To: **1**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **125.6**  
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**

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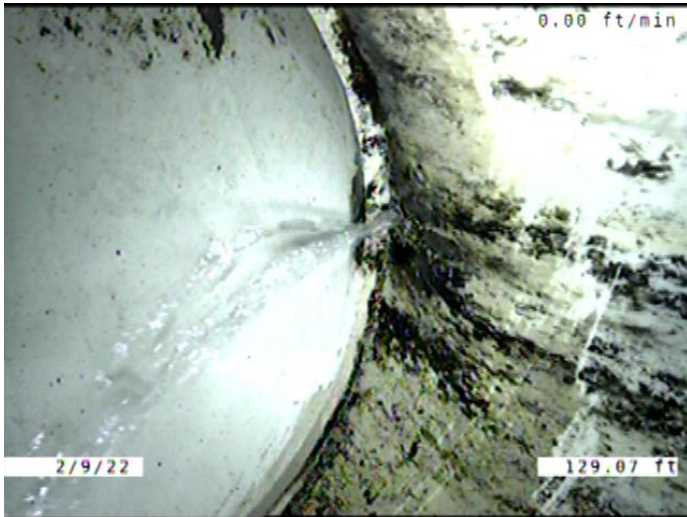


Code: **TF**  
Description: **Tap Factory**

Distance (ft): **127.2**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From: **2**  
Clock To:  
1st Value: **6.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks: **CONSTANTLY RUNNING WATER.**

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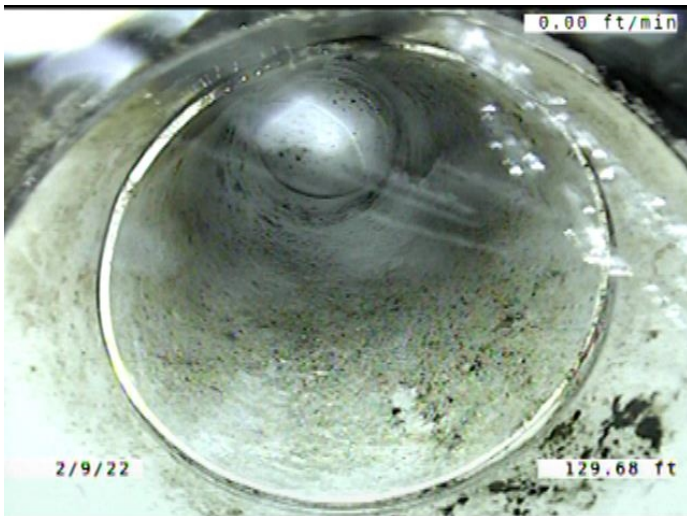




Code: **IRC**  
Description: **Infiltration Runner Connection**

Distance (ft): **129.1**  
Structural Grade: **0**  
O&M Grade: **4**  
Clock Start/From: **12**  
Clock To: **1**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

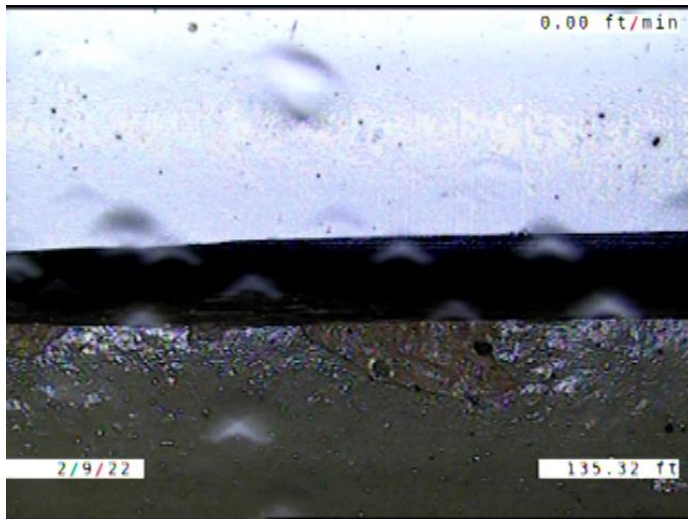
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Code: **TF**  
Description: **Tap Factory**

Distance (ft): **129.7**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From: **12**  
Clock To:  
1st Value: **6.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks: **CONSTANTLY RUNNING WATER.**

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Code:	<b>MMC</b>
Description:	<b>Miscellaneous Material Change</b>
Distance (ft):	<b>135.3</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>PVC TO VCP</b>



Code:	<b>MWLS</b>
Description:	<b>Miscellaneous Water Level Sag</b>
Distance (ft):	<b>137.5</b>
Structural Grade:	<b>2</b>
O&M Grade:	<b>0</b>
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	<b>10.000</b>
Continuous Index:	<b>S06</b>
Within 8" of Joint:	<b>NO</b>
Remarks:	



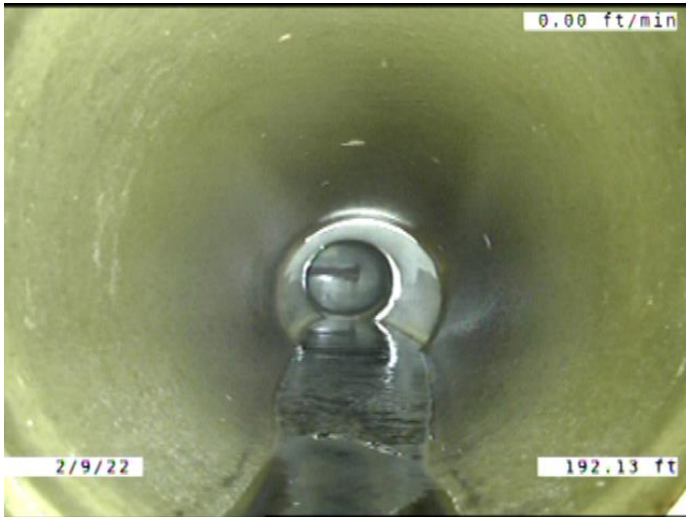
Code: **MWLS**  
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **152.2**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **10.000**  
 Continuous Index: **F06**  
 Within 8" of Joint: **NO**  
 Remarks:



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

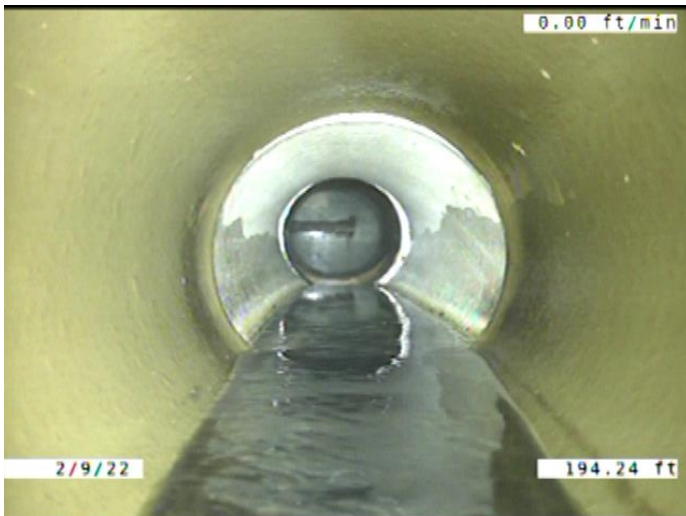
Distance (ft): **177.9**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **15.000**  
 Continuous Index: **S07**  
 Within 8" of Joint: **NO**  
 Remarks:



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

Distance (ft): **192.1**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **15.000**  
Continuous Index: **F07**  
Within 8" of Joint: **NO**  
Remarks:

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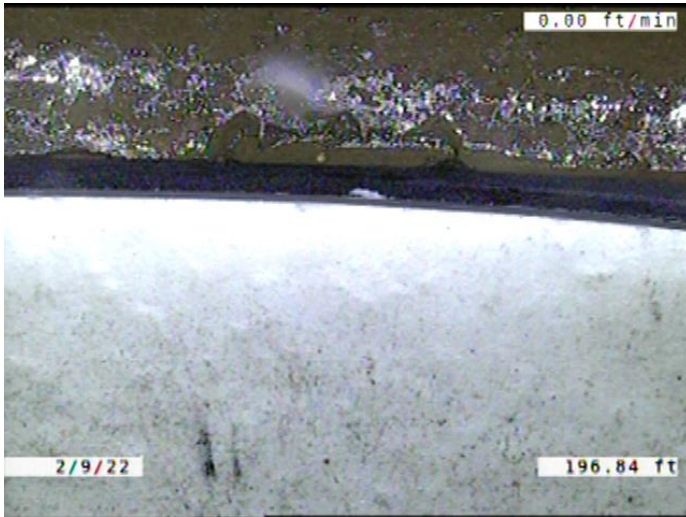


Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

Distance (ft): **194.2**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **10.000**  
Continuous Index: **S08**  
Within 8" of Joint: **NO**  
Remarks:

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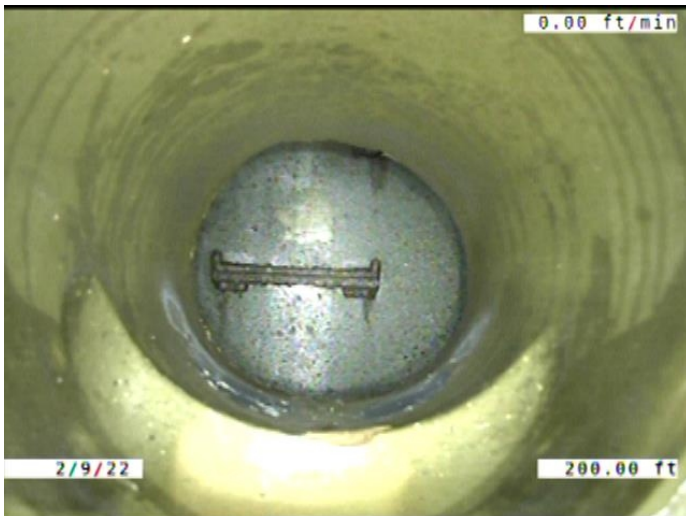




Code: **MMC**  
Description: **Miscellaneous Material Change**

Distance (ft): **196.8**  
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 TP PVC**

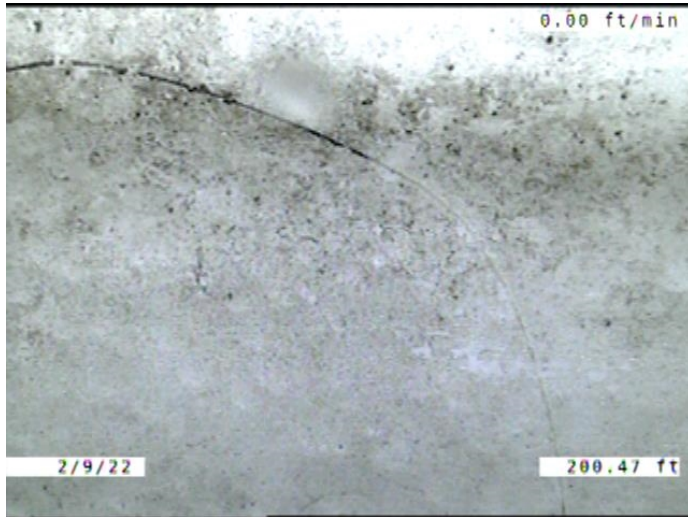
---



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

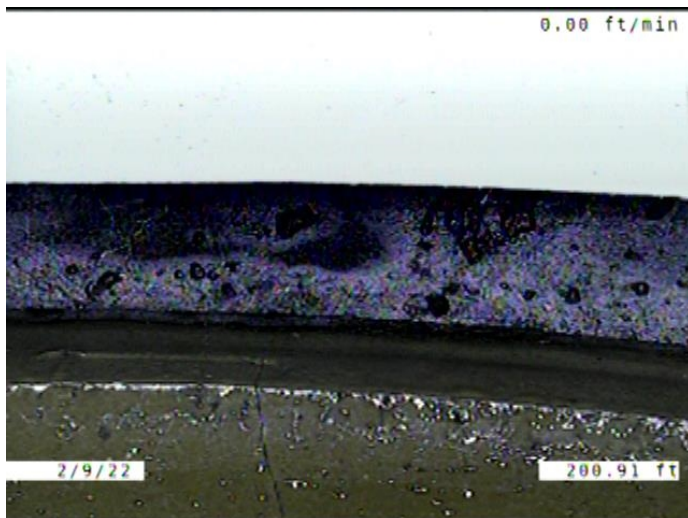
Distance (ft): **200.0**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **10.000**  
Continuous Index: **F08**  
Within 8" of Joint: **NO**  
Remarks:

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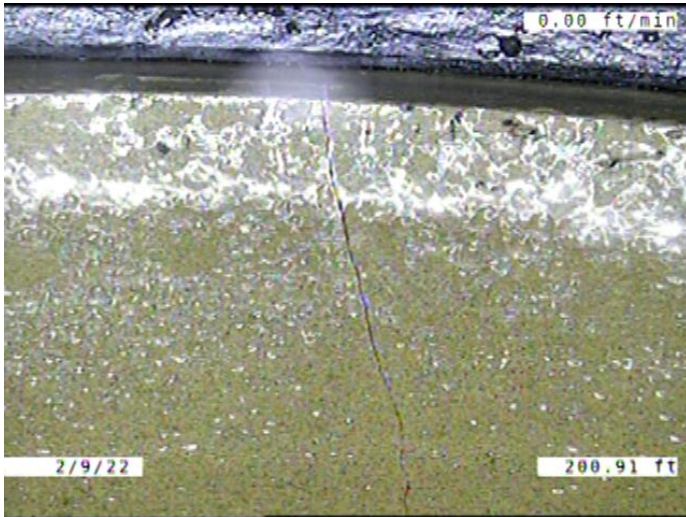
Code: **CS**  
 Description: **Crack Spiral**

Distance (ft): **200.5**  
 Structural Grade: **2**  
 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:



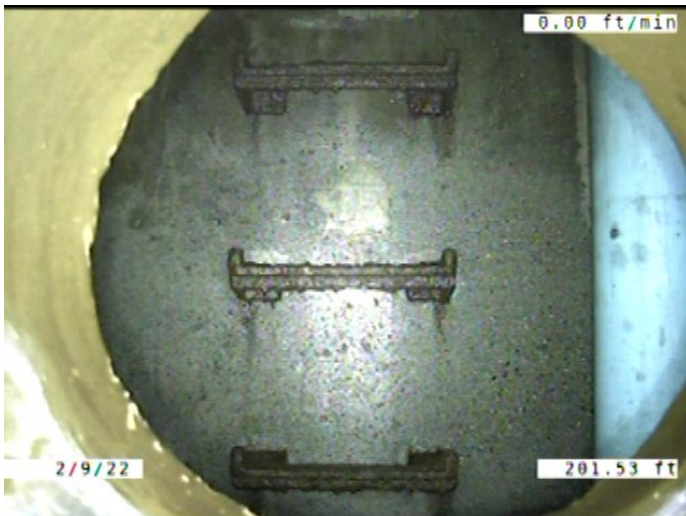
Code: **MMC**  
 Description: **Miscellaneous Material Change**

Distance (ft): **200.9**  
 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: **PVC TO VCP**



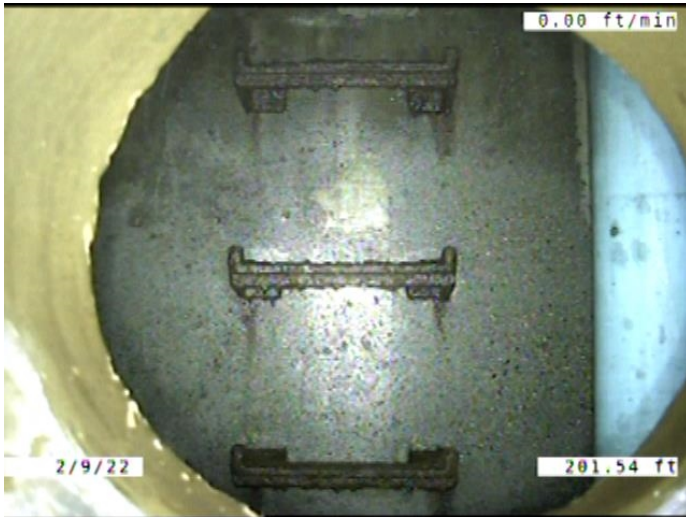
Code: **CS**  
 Description: **Crack Spiral**

Distance (ft): **200.9**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From: **11**  
 Clock To: **12**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **201.5**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **8**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index: **F01**  
 Within 8" of Joint: **YES**  
 Remarks:



Code:	<b>AMH</b>
Description:	<b>Manhole</b>
Distance (ft):	<b>201.5</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>M-606-071</b>