

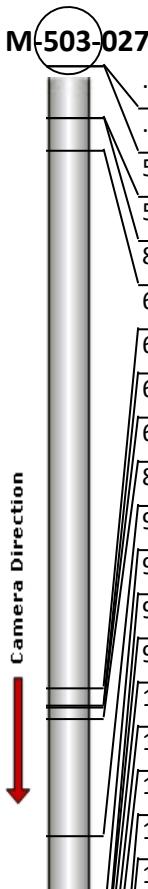
# Profile/Photo Observation Report



Date:	<b>09/01/2021</b>	Weather:		Coding:	<b>PACP 7.0</b>
Pipe Length (ft):	<b>317.0</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-504-027-108</b>
Customer:	<b>City of Hobart</b>	Clean Date:	<b>08/28/2021</b>	Shape:	<b>C</b>

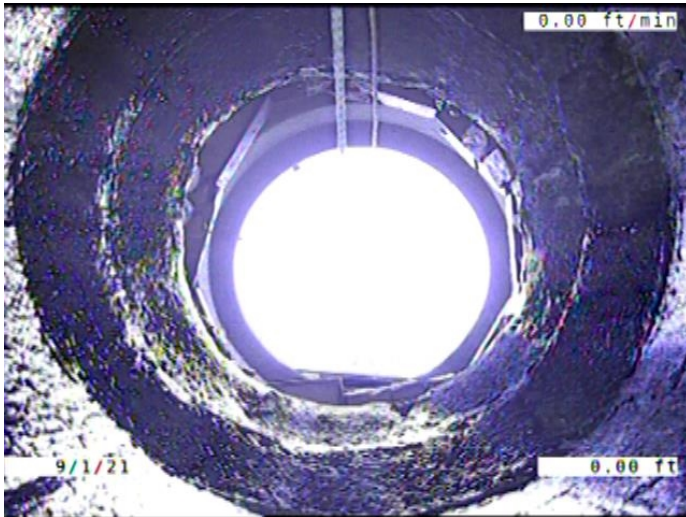
Street:	<b>North Delaware Street</b>	Flow Control:	<b>Not Controlled</b>
City:	<b>Hobart, IN</b>	Year Renewed:	
Location:	<b>Alley</b>	Tape/Media #:	
Purpose:	<b>Routine Assessment</b>	Dia/Height:	<b>12"</b>
Use:	<b>Sanitary Sewage Pipe</b>	Material:	<b>CP</b>
Drain Area:		Lining:	
Category:	<b>NA</b>		
Comment:			
Location Details:		Direction of Survey:	<b>Downstream</b>
US MH:	<b>M-503-027</b>	DS MH:	<b>M-504-108</b>
		Total Length Surveyed (ft):	<b>185.2</b>

O&M Index:	<b>1.94</b>	O&M Quick:	<b>3625</b>	O&M Rating:	<b>35.00</b>
Structural Index:	<b>2.24</b>	Structural Quick:	<b>4233</b>	Structural Rating:	<b>65.00</b>
Overall Index:	<b>2.13</b>	Overall Quick:	<b>4239</b>	Overall Rating:	<b>100.00</b>

Position	Code	Observation	Video (sec)	Grade
				
.0	AMH	Manhole	1	NA
.0	MWL	Miscellaneous Water Level	71	NA
5.4	DAE	Deposits Attached Encrustation	140	M 2
5.4	DAE	Deposits Attached Encrustation	161	M 2
8.8	MWLS(S01)	Miscellaneous Water Level Sag	215	S 2
65.3	MWLS(F01)	Miscellaneous Water Level Sag	451	S 2
67.0	CM	Crack Multiple	525	S 3
67.2	TBD	Tap Break-in/Hammer Defective	548	M 3
68.5	MWLS(S02)	Miscellaneous Water Level Sag	573	S 2
80.7	MWLS(F02)	Miscellaneous Water Level Sag	0	S 2
90.3	MWLS(S03)	Miscellaneous Water Level Sag	46	S 2
96.6	FM	Fracture Multiple	106	S 4
96.6	ISB	Infiltration Stain Barrel	130	M 1
98.8	TB	Tap Break-in/Hammer	0	NA
102.5	DAE	Deposits Attached Encrustation	44	M 2
105.7	DAE	Deposits Attached Encrustation	85	M 2
120.0	TB	Tap Break-in/Hammer	221	NA
120.0	FM	Fracture Multiple	267	S 4
124.0	MMC	Miscellaneous Material Change	332	NA

124.9	TFC	Tap Factory Capped	371	NA
126.8	MMC	Miscellaneous Material Change	431	NA
126.8	CL	Crack Longitudinal	448	S 2
128.1	MWLS(F03)	Miscellaneous Water Level Sag	474	S 2
134.1	MWLS(S04)	Miscellaneous Water Level Sag	507	S 2
136.2	CM	Crack Multiple	567	S 3
136.2	ISB	Infiltration Stain Barrel	593	M 1
136.2	ISB	Infiltration Stain Barrel	610	M 1
138.7	ISJ	Infiltration Stain Joint	648	M 1
138.7	ISJ	Infiltration Stain Joint	667	M 1
142.3	ISB	Infiltration Stain Barrel	716	M 1
142.3	MWLS(F04)	Miscellaneous Water Level Sag	731	S 2
153.9	JAM	Joint Angular Medium	812	S 3
153.9	ISJ	Infiltration Stain Joint	843	M 1
168.6	RMJ	Roots Medium Joint	992	M 3
172.1	RMJ	Roots Medium Joint	1058	M 3
175.2	RMJ	Roots Medium Joint	1109	M 3
178.3	RMJ	Roots Medium Joint	1153	M 3
184.9	TBI	Tap Break-in Intruding	1237	M 2
184.9	RML	Roots Medium Lateral	1280	M 3
185.2	MSA	Miscellaneous Survey Abandoned	1318	NA

**M-504-108**



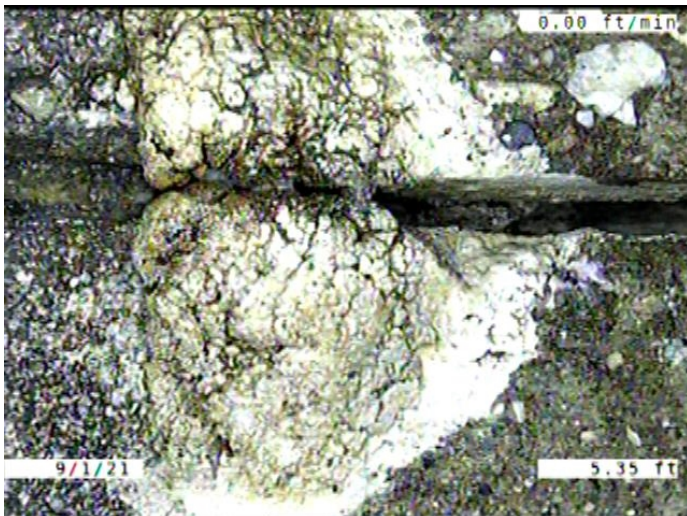
Code: **AMH**  
Description: **Manhole**

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-503-027**



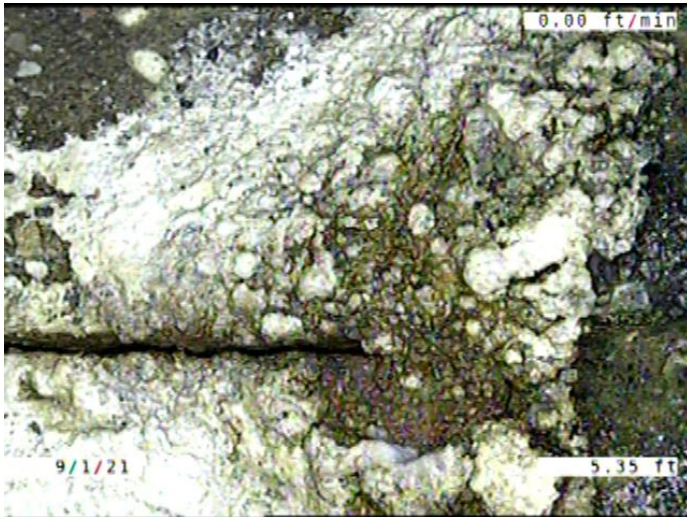
Code: **MWL**  
 Description: **Miscellaneous Water Level**

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): **5.4**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **4**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **5.4**  
 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:

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

Distance (ft): **8.8**  
 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:

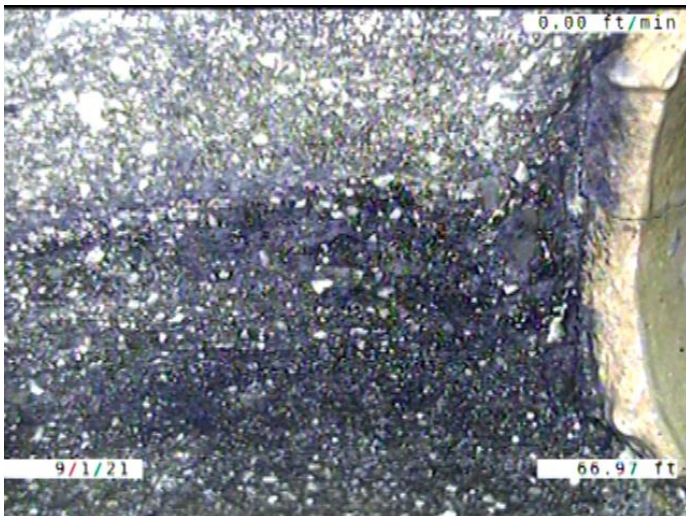
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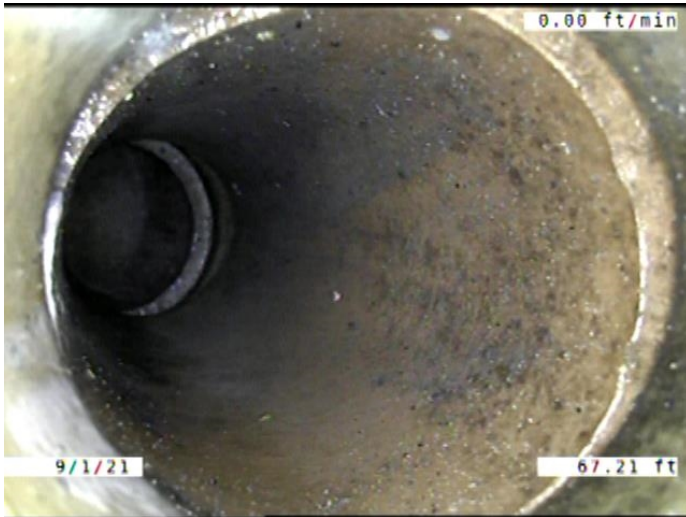
Code: **MWLS**  
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **65.3**  
 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:



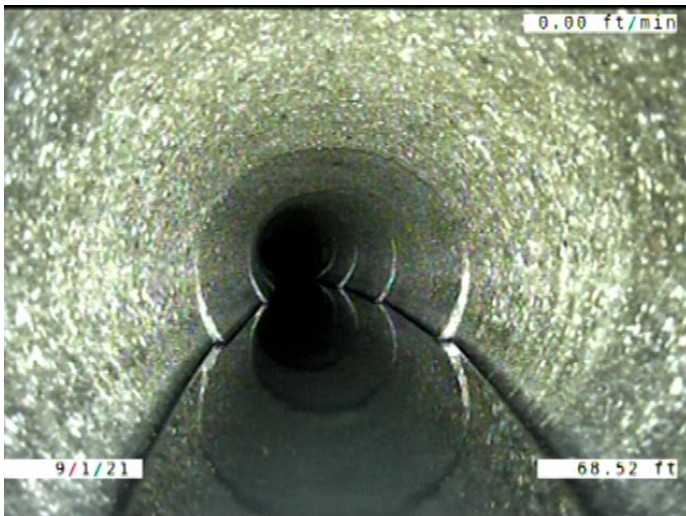
Code: **CM**  
 Description: **Crack Multiple**

Distance (ft): **67.0**  
 Structural Grade: **3**  
 O&M Grade: **0**  
 Clock Start/From: **7**  
 Clock To: **5**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



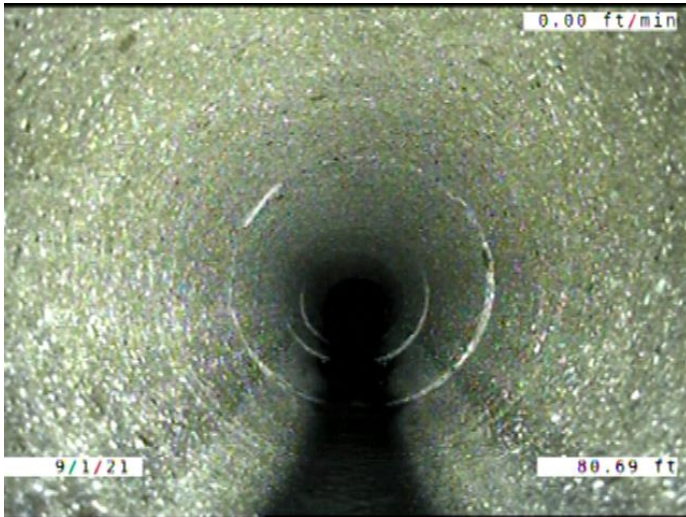
Code: **TBD**  
 Description: **Tap Break-in/Hammer Defective**

Distance (ft): **67.2**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **12**  
 Clock To:  
 1st Value: **4.000**  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks: **Debris**



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

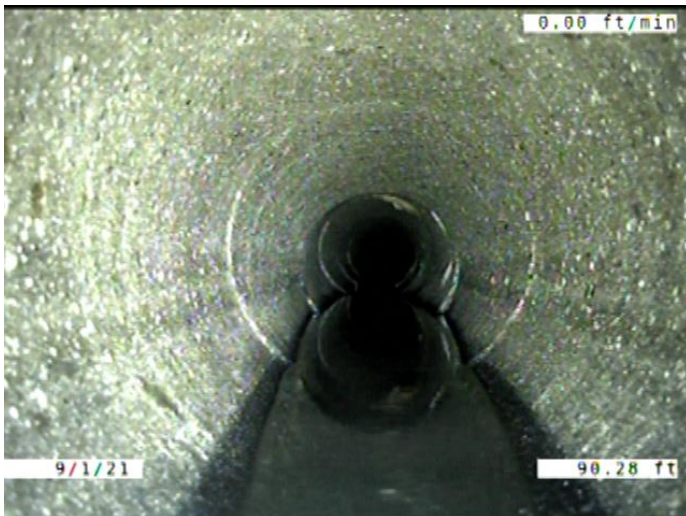
Distance (ft): **68.5**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **10.000**  
 Continuous Index: **S02**  
 Within 8" of Joint: **NO**  
 Remarks:



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

Distance (ft): **80.7**  
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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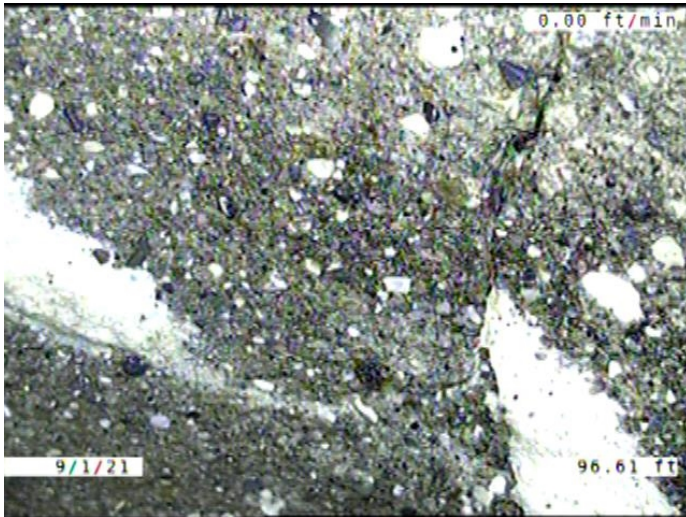


Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

Distance (ft): **90.3**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index: **S03**  
Within 8" of Joint: **NO**  
Remarks:

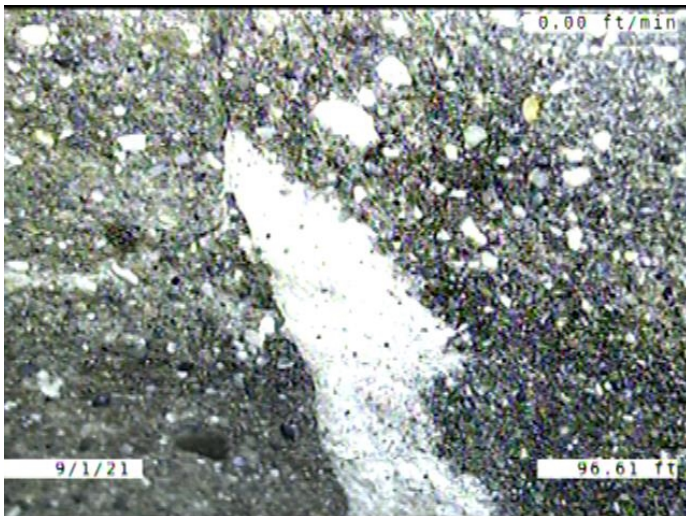
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Code: **FM**  
 Description: **Fracture Multiple**

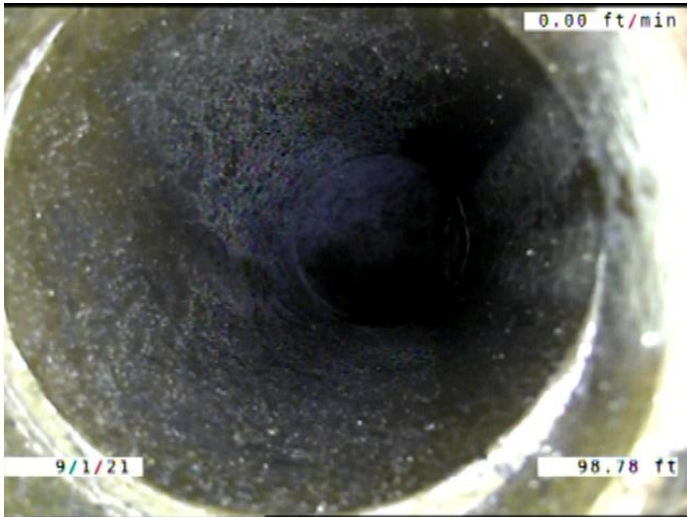
Distance (ft): **96.6**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **12**  
 Clock To: **3**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

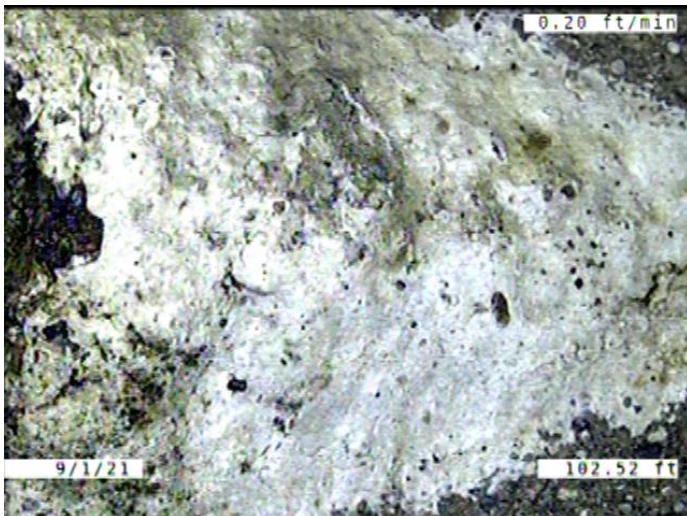
Distance (ft): **96.6**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From: **1**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:





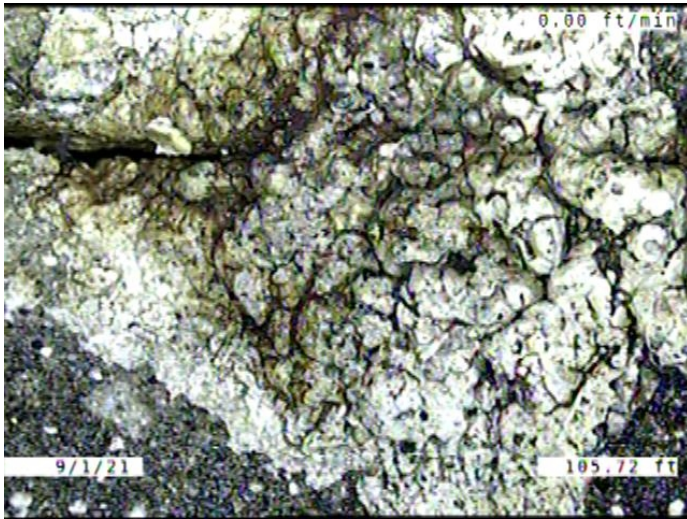
Code: **TB**  
 Description: **Tap Break-in/Hammer**

Distance (ft): **98.8**  
 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: **NO**  
 Remarks:



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

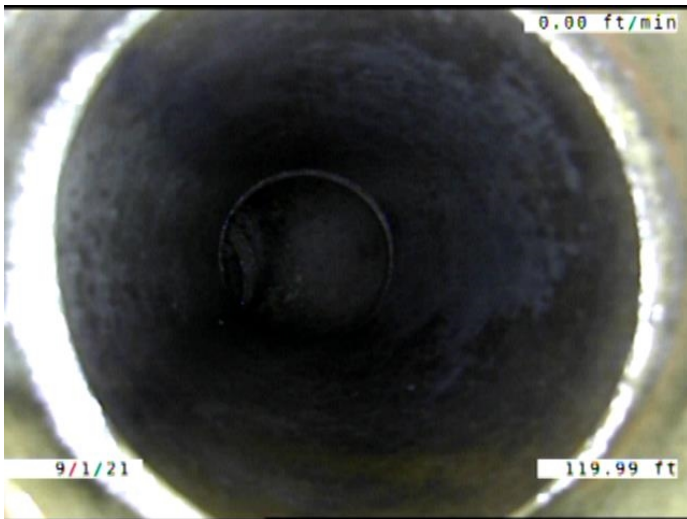
Distance (ft): **102.5**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **2**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **105.7**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **8**  
 Clock To: **9**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:

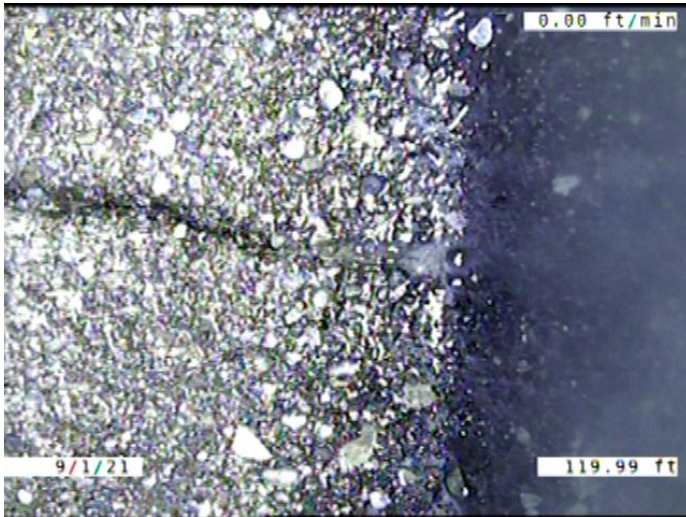
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Code: **TB**  
 Description: **Tap Break-in/Hammer**

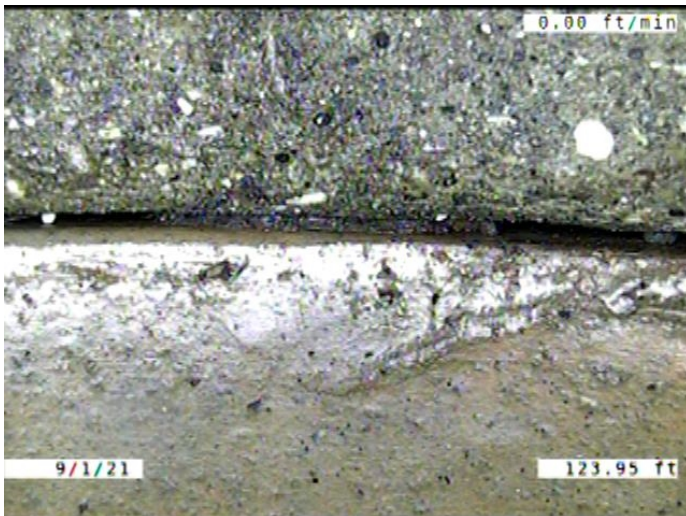
Distance (ft): **120.0**  
 Structural Grade: **0**  
 O&M Grade: **0**  
 Clock Start/From: **12**  
 Clock To:  
 1st Value: **4.000**  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:

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

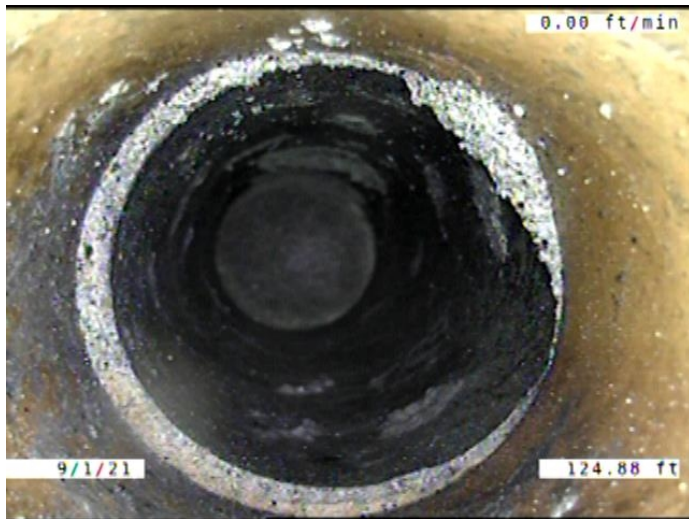
Distance (ft): **120.0**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **8**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:



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

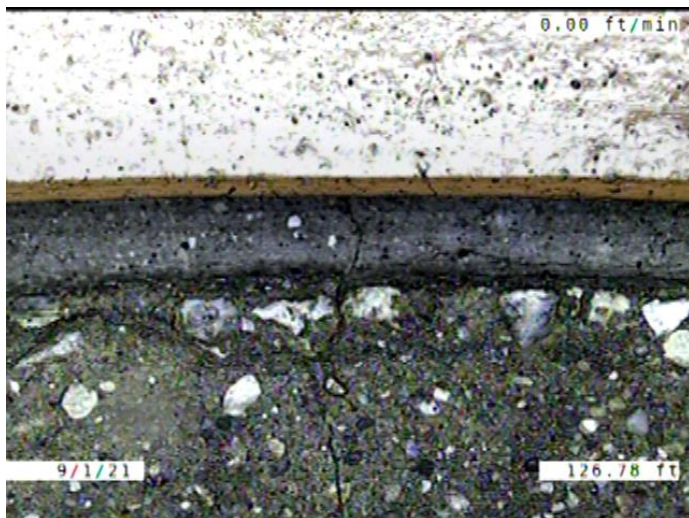
Distance (ft): **124.0**  
 Structural Grade: **0**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks: **CONCRETE TO VCP**





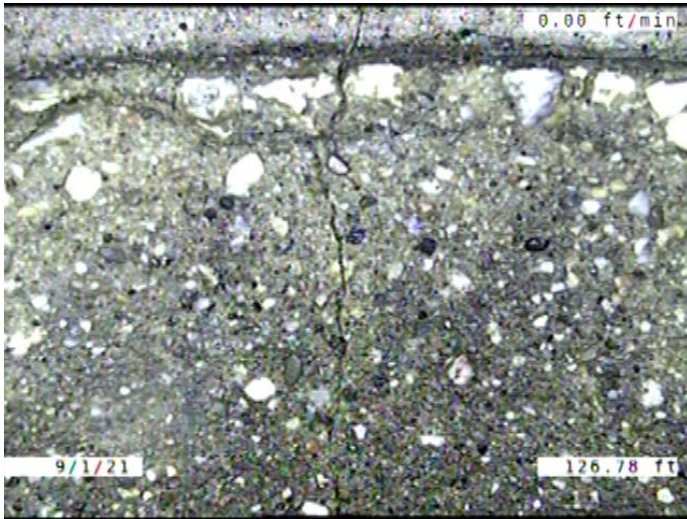
Code: **TFC**  
 Description: **Tap Factory Capped**

Distance (ft): **124.9**  
 Structural Grade: **0**  
 O&M Grade: **0**  
 Clock Start/From: **12**  
 Clock To:  
 1st Value: **4.000**  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

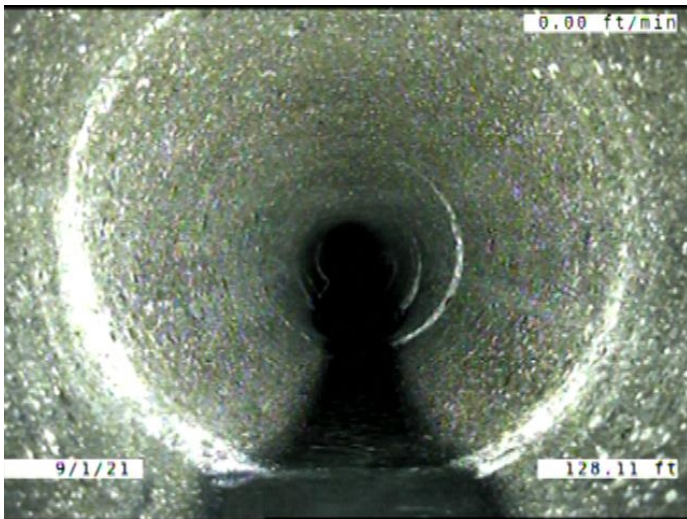
Distance (ft): **126.8**  
 Structural Grade: **0**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks: **VCP TO CONCRETE**



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

Distance (ft): **126.8**  
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:

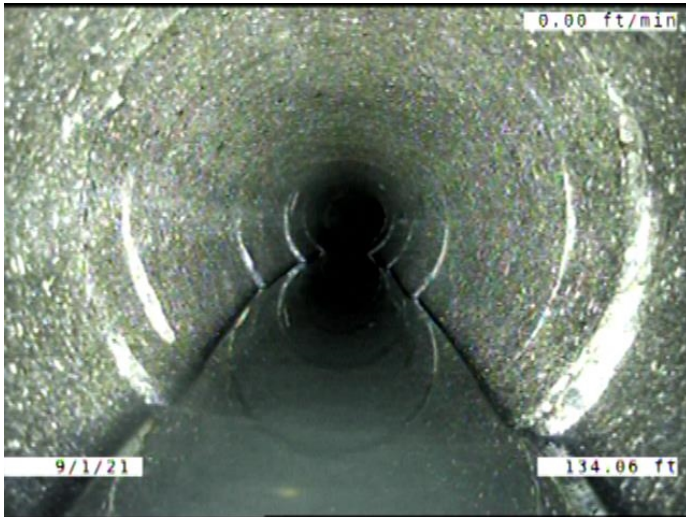
---



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

Distance (ft): **128.1**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index: **F03**  
Within 8" of Joint: **NO**  
Remarks:

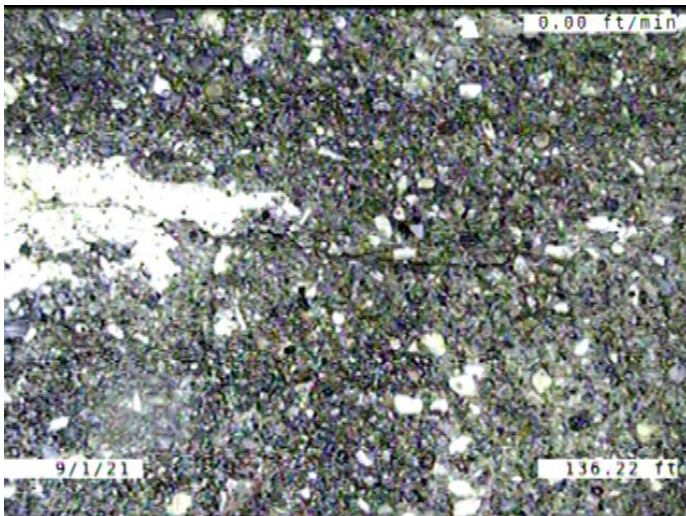
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Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

Distance (ft): **134.1**  
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:

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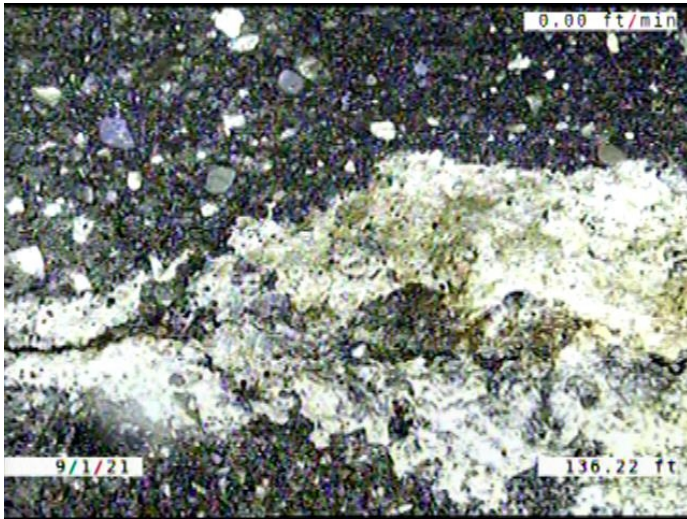


Code: **CM**  
Description: **Crack Multiple**

Distance (ft): **136.2**  
Structural Grade: **3**  
O&M Grade: **0**  
Clock Start/From: **12**  
Clock To: **12**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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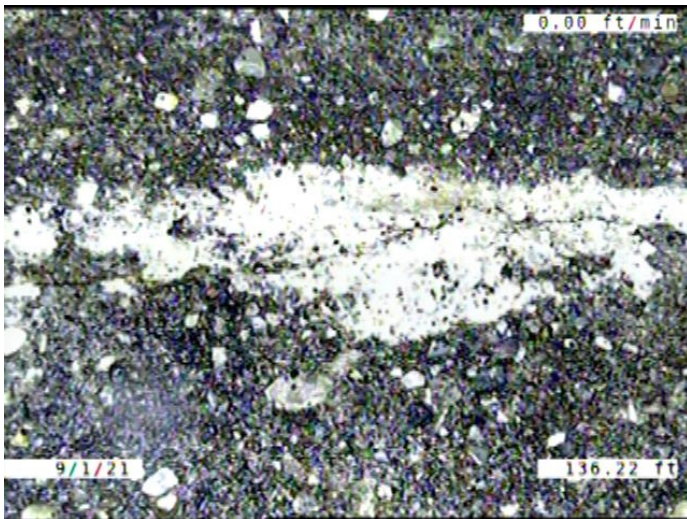




Code: **ISB**  
Description: **Infiltration Stain Barrel**

Distance (ft): **136.2**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **7**  
Clock To: **9**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

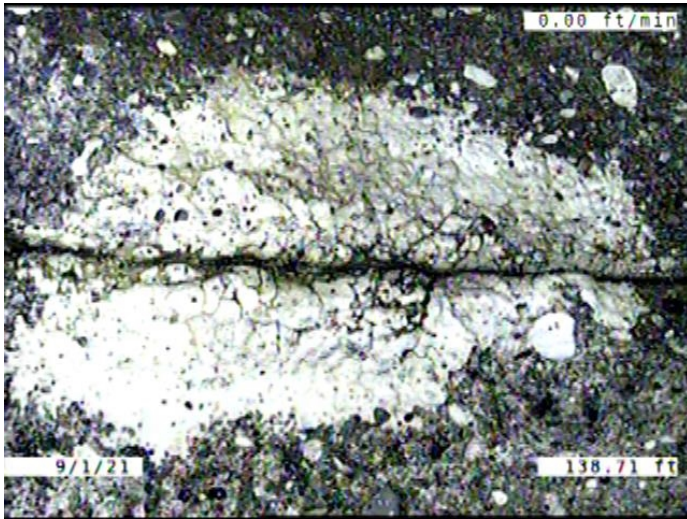
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Code: **ISB**  
Description: **Infiltration Stain Barrel**

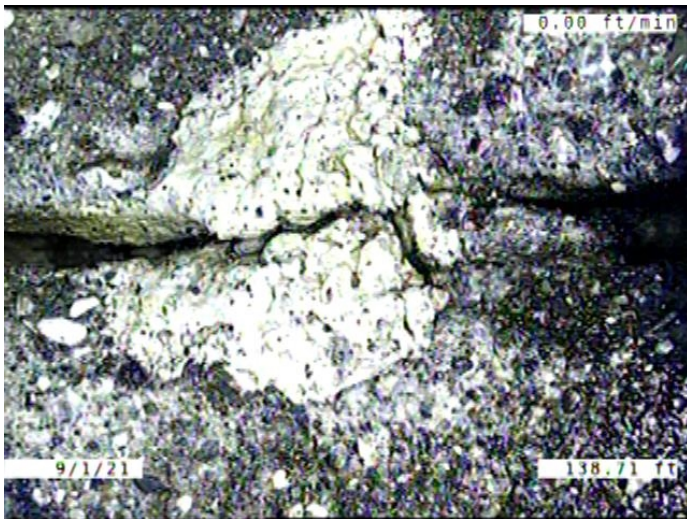
Distance (ft): **136.2**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **2**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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Code: **ISJ**  
 Description: **Infiltration Stain Joint**

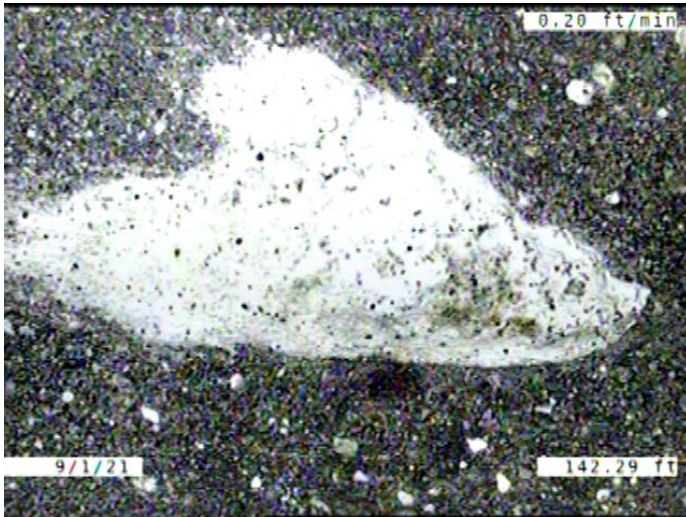
Distance (ft): **138.7**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From: **2**  
 Clock To: **3**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



Code: **ISJ**  
 Description: **Infiltration Stain Joint**

Distance (ft): **138.7**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From: **8**  
 Clock To: **9**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:

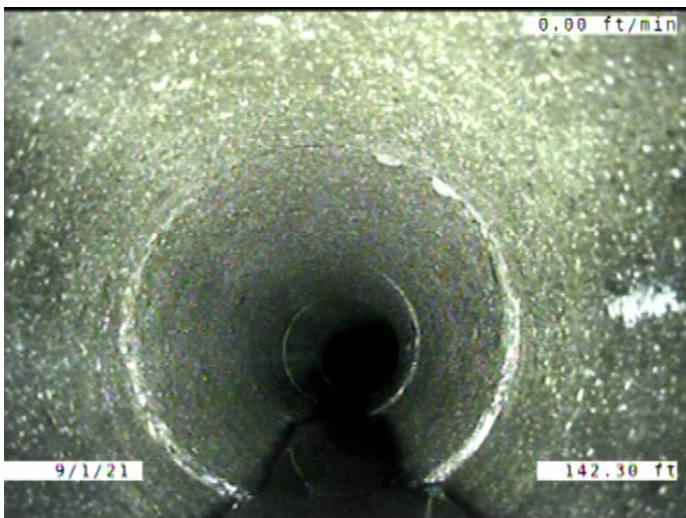




Code: **ISB**  
Description: **Infiltration Stain Barrel**

Distance (ft): **142.3**  
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: **NO**  
Remarks:

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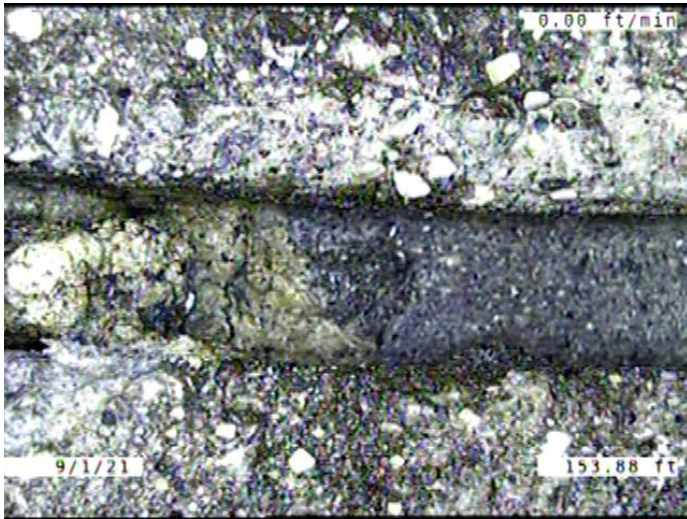


Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

Distance (ft): **142.3**  
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:

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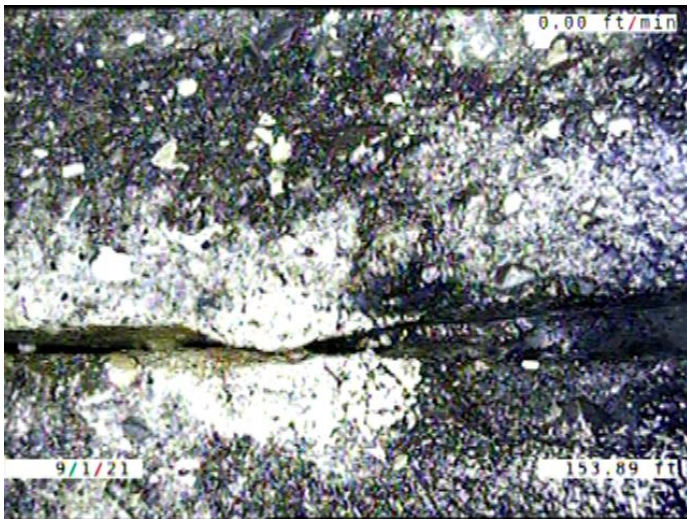




Code: **JAM**  
Description: **Joint Angular Medium**

Distance (ft): **153.9**  
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:

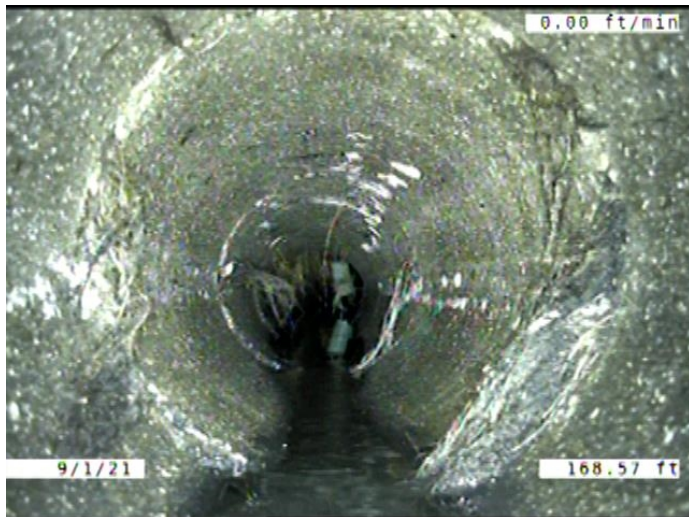
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Code: **ISJ**  
Description: **Infiltration Stain Joint**

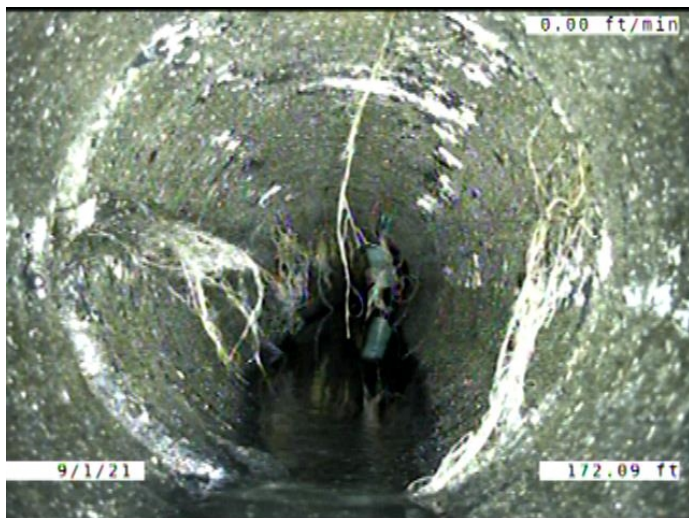
Distance (ft): **153.9**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **7**  
Clock To: **5**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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Code: **RMJ**  
 Description: **Roots Medium Joint**

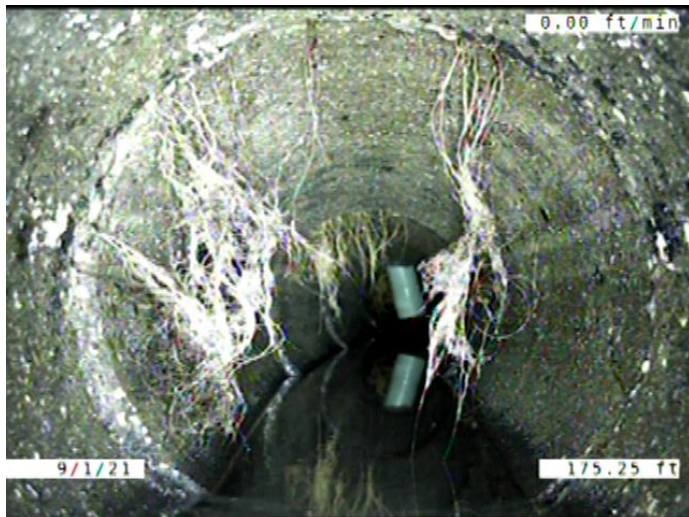
Distance (ft): **168.6**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **7**  
 Clock To: **5**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



Code: **RMJ**  
 Description: **Roots Medium Joint**

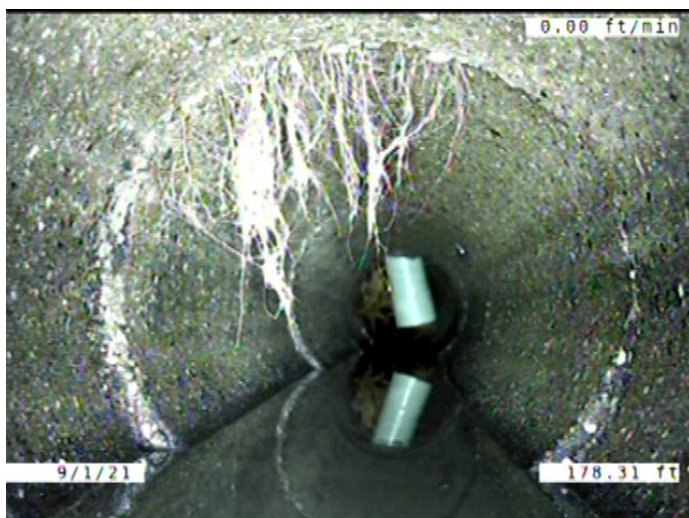
Distance (ft): **172.1**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **9**  
 Clock To: **3**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:





Code: **RMJ**  
 Description: **Roots Medium Joint**

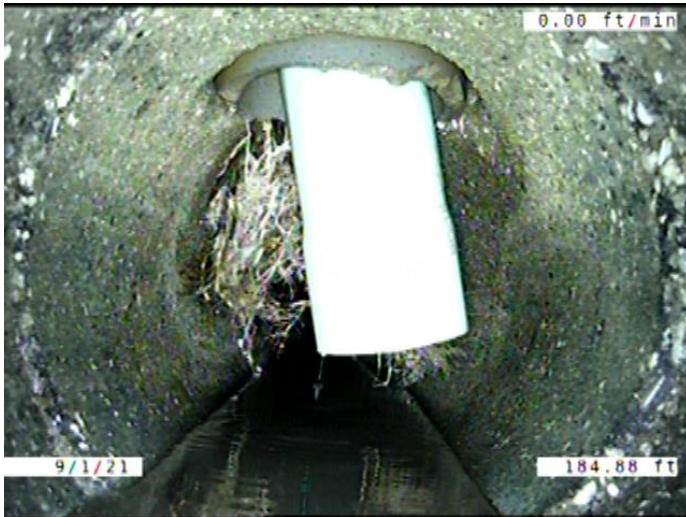
Distance (ft): **175.2**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **9**  
 Clock To: **1**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



Code: **RMJ**  
 Description: **Roots Medium Joint**

Distance (ft): **178.3**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **10**  
 Clock To: **1**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:





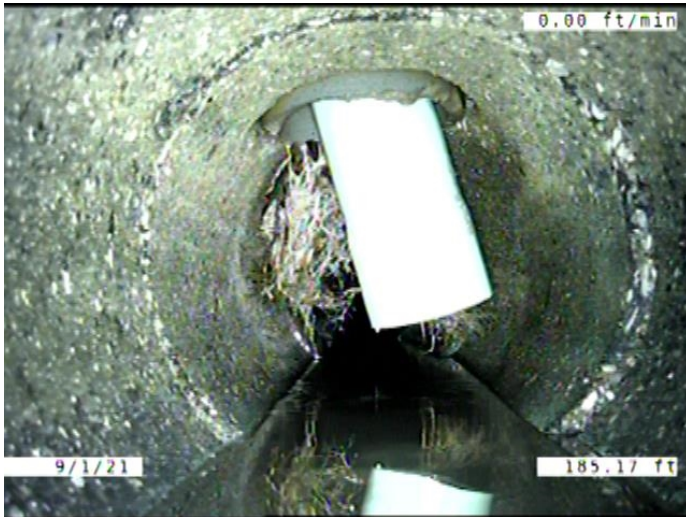
Code: **TBI**  
 Description: **Tap Break-in Intruding**

Distance (ft): **184.9**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **12**  
 Clock To:  
 1st Value: **4.000**  
 2nd Value: **8.000**  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:



Code: **RML**  
 Description: **Roots Medium Lateral**

Distance (ft): **184.9**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **11**  
 Clock To: **1**  
 1st Value:  
 2nd Value:  
 Value Percent: **10.000**  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:



Code:

**MSA**

Description:

**Miscellaneous Survey Abandoned**

Distance (ft):

**185.2**

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:

**CAMERA CANT MAKE IT PAST  
PROTRUDING TAP. MADE IT TO THE**