

## Profile/Photo Observation Report

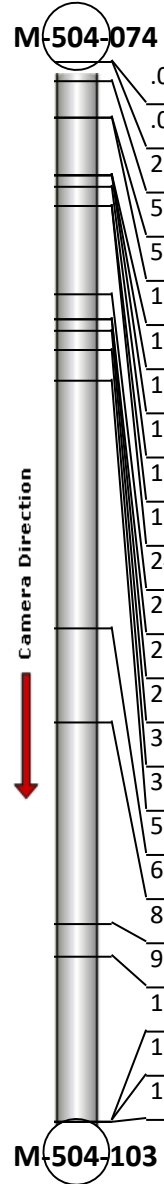


Date:	<b>09/11/2021</b>	Weather:		Coding:	<b>PACP 7.0</b>
Pipe Length (ft):	<b>135.0</b>	Owner:	<b>City of Hobart</b>	Pre Clean:	<b>Heavy Cleaning</b>
P.O.#:	<b>YES502259</b>	Surveyor:	<b>S. Bucklin</b>	PSR:	<b>P-504-103-074</b>
Customer:	<b>City of Hobart</b>	Clean Date:	<b>08/27/2021</b>	Shape:	<b>C</b>

Street:	<b>North Colorado 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:	<b>None</b>
Category:	<b>NA</b>		
Comment:			

Location Details:		Direction of Survey:	<b>Downstream</b>
US MH:	<b>M-504-074</b>	DS MH:	<b>M-504-103</b>
		Total Length Surveyed (ft):	<b>110.5</b>

O&M Index:	<b>2.04</b>	O&M Quick:	<b>332G</b>	O&M Rating:	<b>98.00</b>
Structural Index:	<b>3.44</b>	Structural Quick:	<b>4631</b>	Structural Rating:	<b>31.00</b>
Overall Index:	<b>2.26</b>	Overall Quick:	<b>4634</b>	Overall Rating:	<b>129.00</b>

	Position	Code	Observation	Video (sec)	Grade
 <p>Camera Direction</p> <p>M-504-074</p> <p>M-504-103</p>	.0	AMH	Manhole	1	NA
	.0	MWL	Miscellaneous Water Level	67	NA
	2.1	DSF(S01)	Deposits Settled Fine	96	M 2
	5.9	FM	Fracture Multiple	160	S 4
	5.9	DAE	Deposits Attached Encrustation	178	M 2
	11.8	CM	Crack Multiple	265	S 3
	11.9	DAE	Deposits Attached Encrustation	277	M 2
	11.9	DAE	Deposits Attached Encrustation	298	M 2
	13.0	TBC	Tap Break-in Capped	358	NA
	15.0	FM(S02)	Fracture Multiple	410	S 4
	15.0	DAE(S03)	Deposits Attached Encrustation	436	M 2
	24.2	RFJ	Roots Fine Joint	533	M 1
	26.9	MMC	Miscellaneous Material Change	593	NA
	26.9	B	Broken	619	S 4
	28.0	TFD	Tap Factory Defective	678	M 3
	30.0	MMC	Miscellaneous Material Change	733	NA
	33.2	FM(F02)	Fracture Multiple	769	S 4
	59.1	MWLS(S04)	Miscellaneous Water Level Sag	929	S 2
	68.9	MWLS(F04)	Miscellaneous Water Level Sag	1097	S 2
	89.9	RMJ	Roots Medium Joint	1280	M 3
	93.2	RMJ	Roots Medium Joint	1329	M 3
	110.5	DSF(F01)	Deposits Settled Fine	1451	M 2
	110.5	DAE(F03)	Deposits Attached Encrustation	1459	M 2
	110.5	MSA	Miscellaneous Survey Abandoned	1488	NA



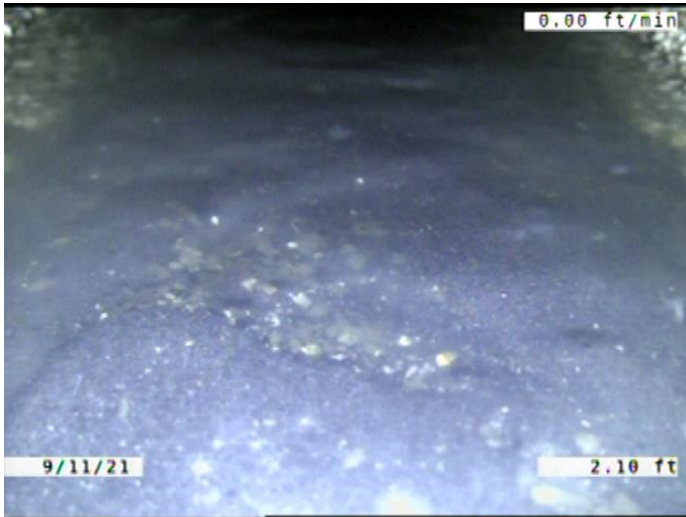
Code: **AMH**  
 Description: **Manhole**

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-504-074**



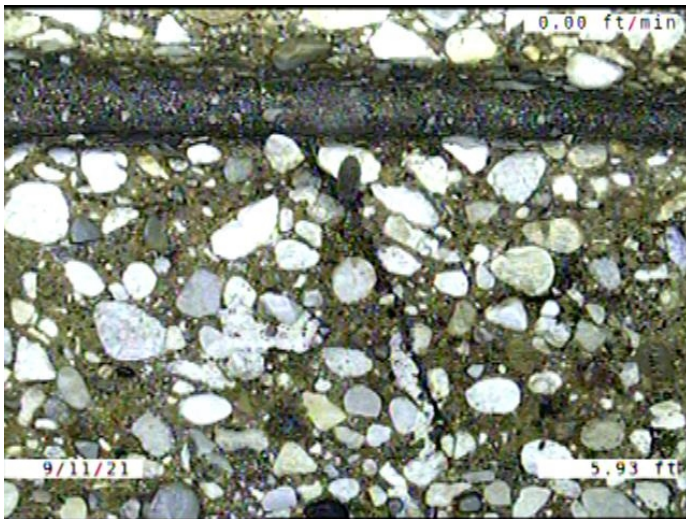
Code: **MWL**  
 Description: **Miscellaneous Water Level**

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



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

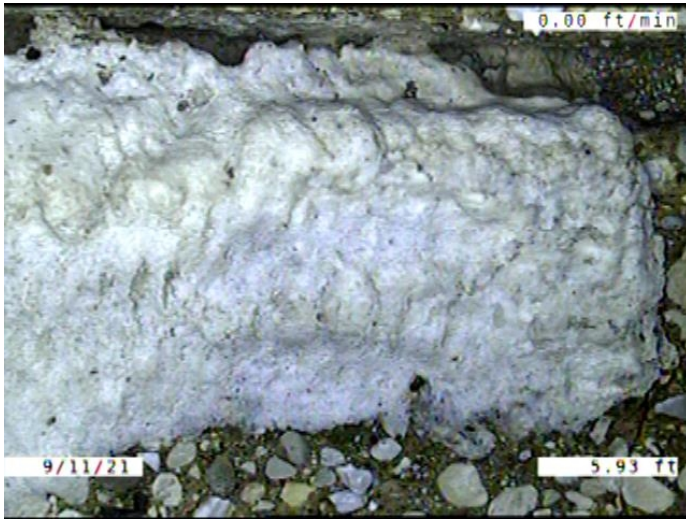
Distance (ft): **2.1**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **5**  
 Clock To: **7**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index: **S01**  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **5.9**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **11**  
 Clock To: **1**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:

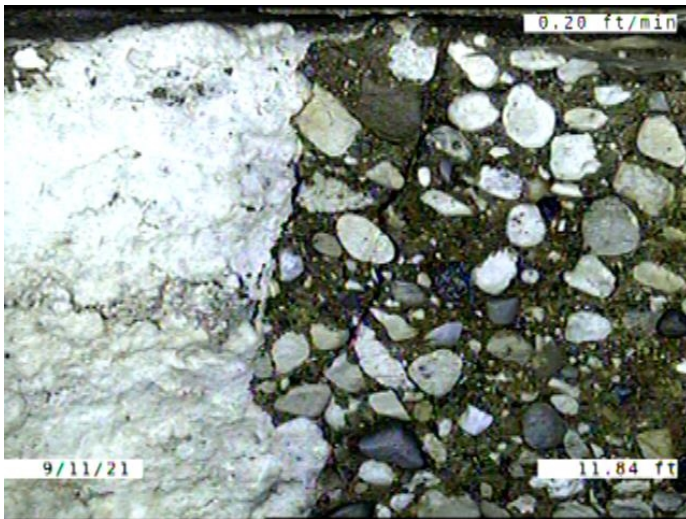




Code: **DAE**  
 Description: **Deposits Attached Encrustation**

Distance (ft): **5.9**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **9**  
 Clock To: **11**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:

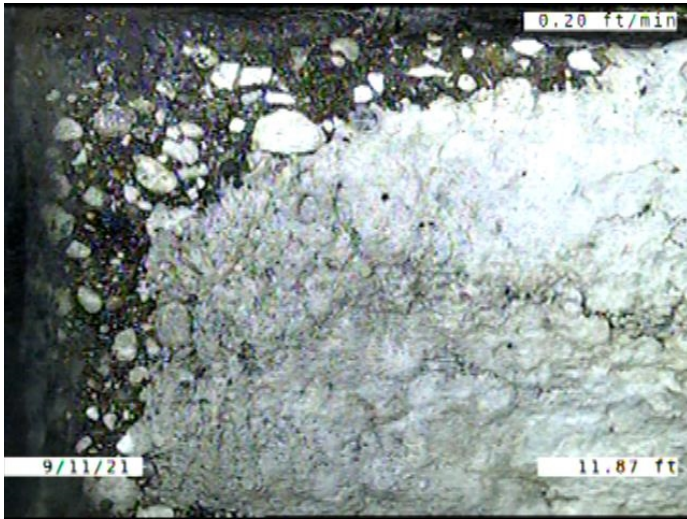
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Code: **CM**  
 Description: **Crack Multiple**

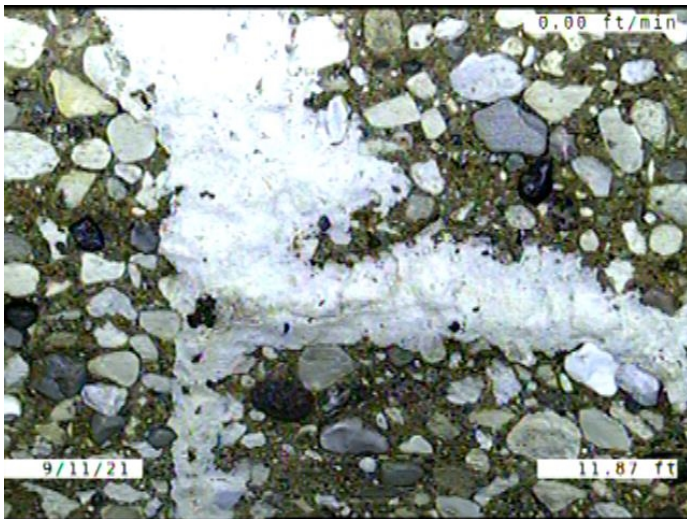
Distance (ft): **11.8**  
 Structural Grade: **3**  
 O&M Grade: **0**  
 Clock Start/From: **10**  
 Clock To: **3**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:

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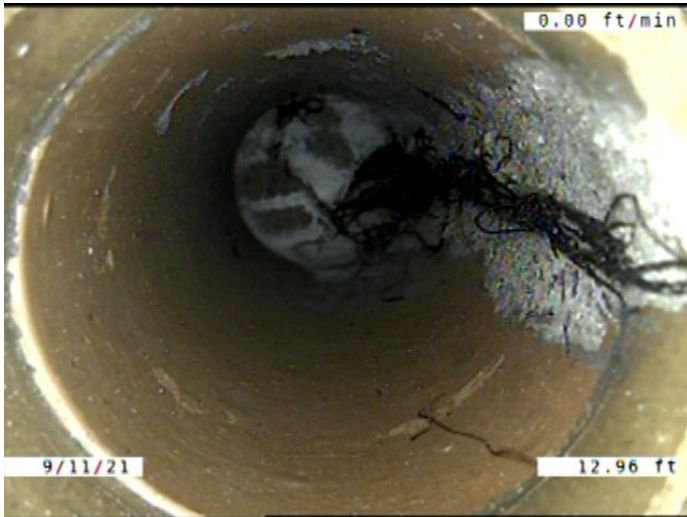
Code: **DAE**  
 Description: **Deposits Attached Encrustation**

Distance (ft): **11.9**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **8**  
 Clock To: **11**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:

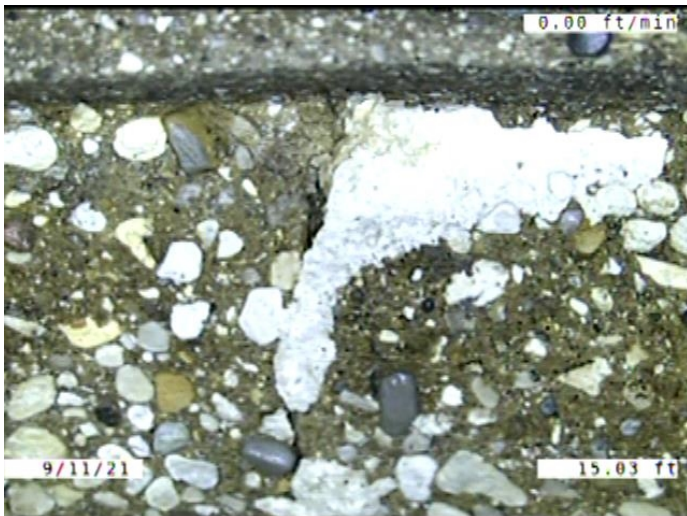


Code: **DAE**  
 Description: **Deposits Attached Encrustation**

Distance (ft): **11.9**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **1**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:

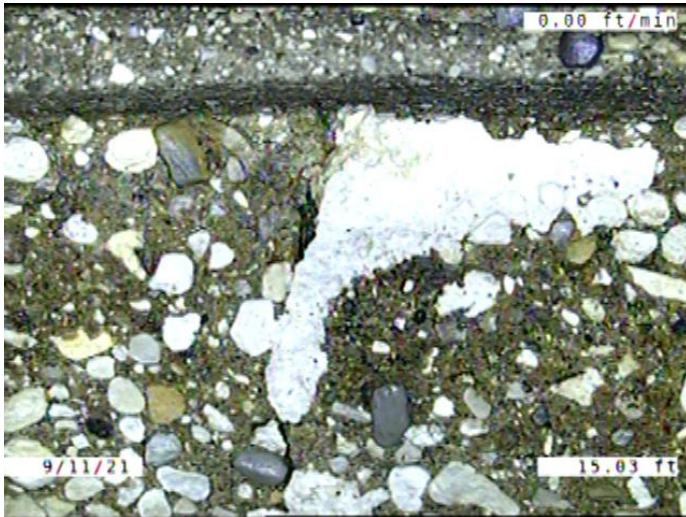


Code:	<b>TBC</b>
Description:	<b>Tap Break-in Capped</b>
Distance (ft):	<b>13.0</b>
Structural Grade:	<b>0</b>
O&M Grade:	<b>0</b>
Clock Start/From:	<b>1</b>
Clock To:	
1st Value:	<b>4.000</b>
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	<b>YES</b>
Remarks:	<b>ROOTS GROWING AROUND THE CAP</b>



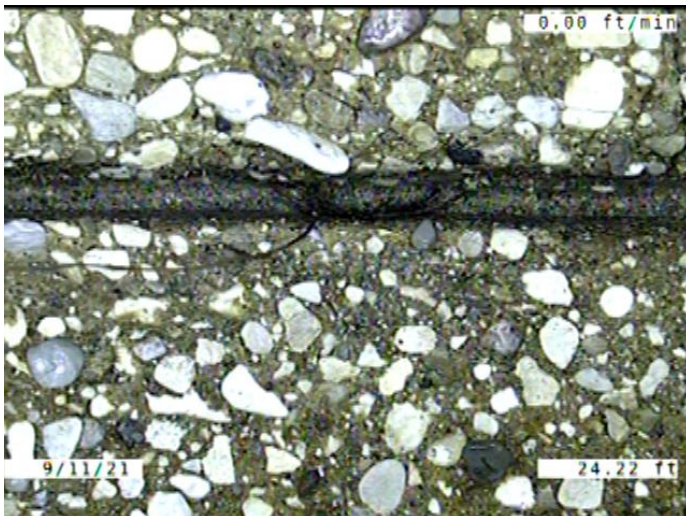
Code:	<b>FM</b>
Description:	<b>Fracture Multiple</b>
Distance (ft):	<b>15.0</b>
Structural Grade:	<b>4</b>
O&M Grade:	<b>0</b>
Clock Start/From:	<b>10</b>
Clock To:	<b>1</b>
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	<b>S02</b>
Within 8" of Joint:	<b>YES</b>
Remarks:	





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

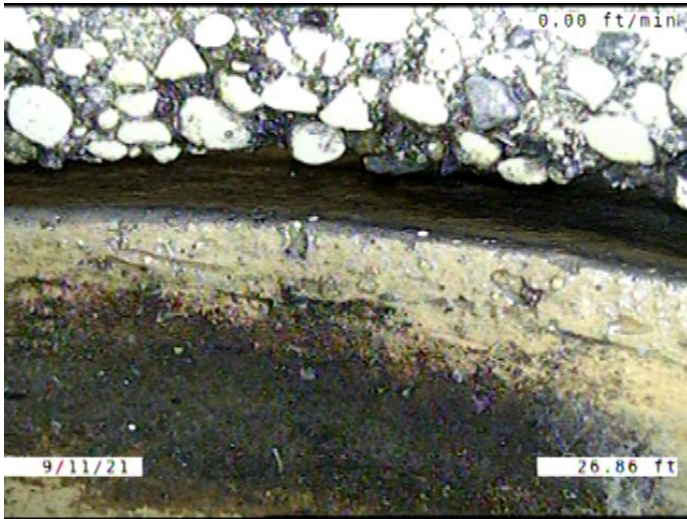
Distance (ft): **15.0**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **8**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index: **S03**  
 Within 8" of Joint: **YES**  
 Remarks:



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

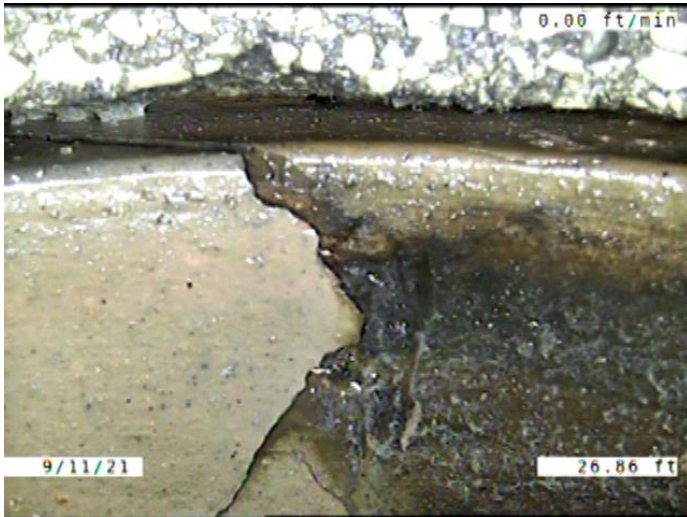
Distance (ft): **24.2**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From: **11**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:





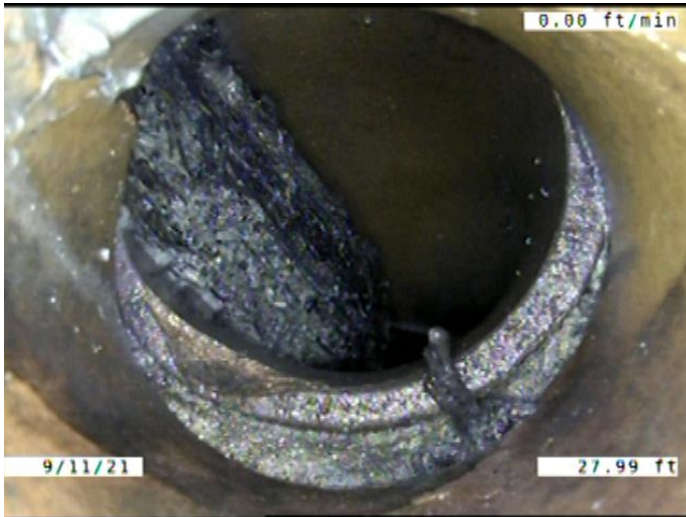
Code: **MMC**  
 Description: **Miscellaneous Material Change**

Distance (ft): **26.9**  
 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: **CONCRETE TO VCP**



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

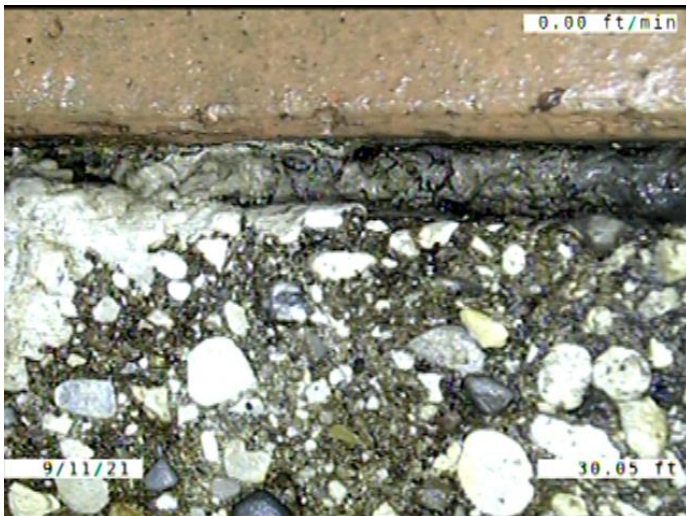
Distance (ft): **26.9**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **8**  
 Clock To: **2**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **28.0**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **11**  
Clock To:  
1st Value: **4.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks: **Defective**

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

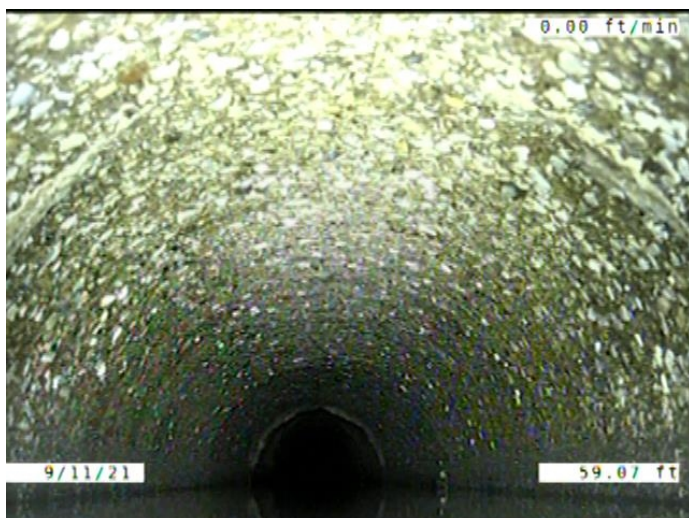
Distance (ft): **30.0**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks: **VCP TO CONCRETE**

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

Distance (ft): **33.2**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **10**  
 Clock To: **1**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index: **F02**  
 Within 8" of Joint: **YES**  
 Remarks:



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

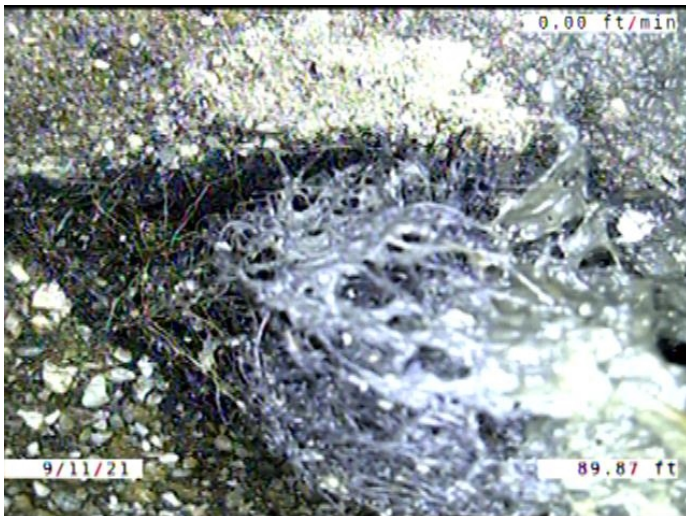
Distance (ft): **59.1**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **20.000**  
 Continuous Index: **S04**  
 Within 8" of Joint: **NO**  
 Remarks:





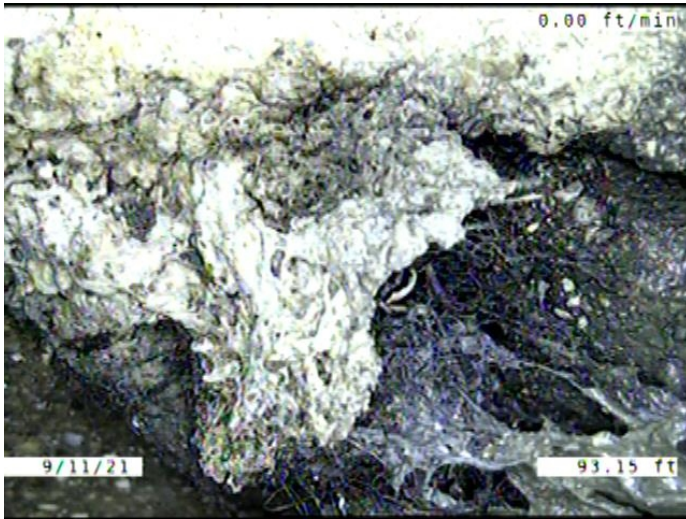
Code: **MWLS**  
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **68.9**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **20.000**  
 Continuous Index: **F04**  
 Within 8" of Joint: **NO**  
 Remarks:



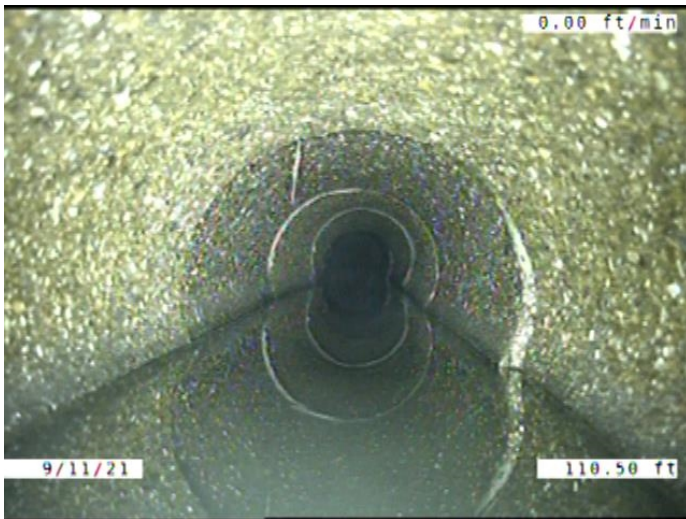
Code: **RMJ**  
 Description: **Roots Medium Joint**

Distance (ft): **89.9**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **1**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



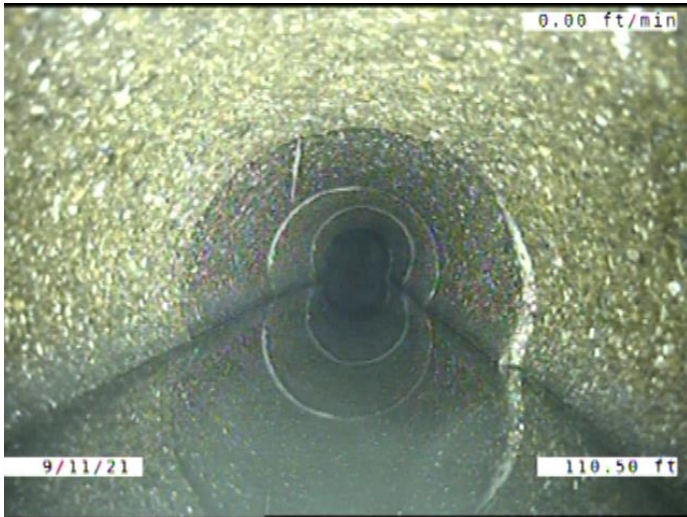
Code: **RMJ**  
 Description: **Roots Medium Joint**

Distance (ft): **93.2**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **12**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



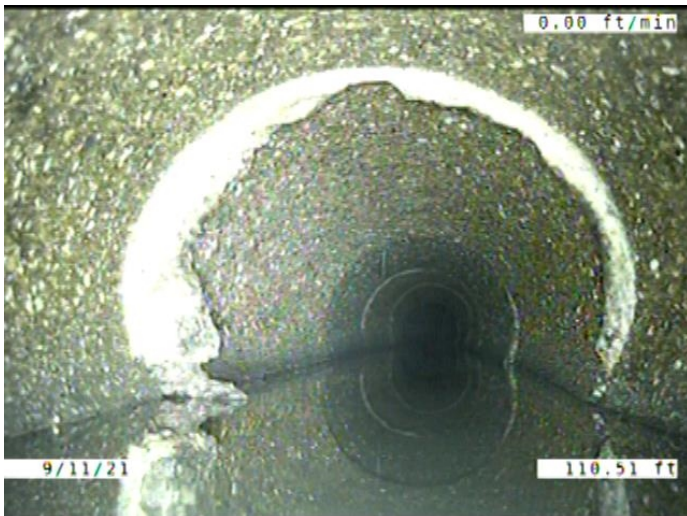
Code: **DSF**  
 Description: **Deposits Settled Fine**

Distance (ft): **110.5**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **5**  
 Clock To: **7**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index: **F01**  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **110.5**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **8**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index: **F03**  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **110.5**  
 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 ENCRUSTATION**