

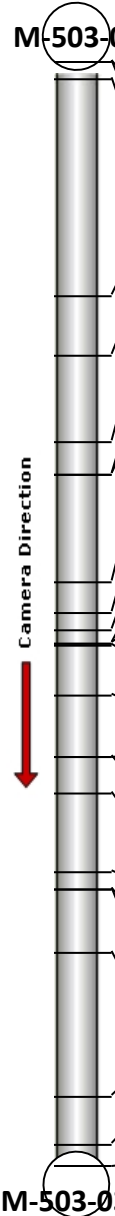
## Profile/Photo Observation Report



Date:	<b>09/10/2021</b>	Weather:		Coding:	<b>PACP 7.0</b>
Pipe Length (ft):	<b>58.1</b>	Owner:	<b>City of Hobart</b>	Pre Clean:	<b>Light Cleaning</b>
P.O.#:	<b>YES502259</b>	Surveyor:	<b>S. Bucklin</b>	PSR:	<b>M-503-032.1_M-503-032</b>
Customer:	<b>City of Hobart</b>	Clean Date:	<b>09/10/2021</b>	Shape:	<b>C</b>

Street:	<b>West 41st Avenue</b>	Flow Control:	<b>Not Controlled</b>
City:	<b>Hobart, IN</b>	Year Renewed:	
Location:	<b>Local rural streets with light traffic, t</b>	Tape/Media #:	
Purpose:	<b>Routine Assessment</b>	Dia/Height:	<b>8"</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>Upstream</b>
US MH:	<b>M-503-032.1</b>	DS MH:	<b>M-503-032</b>
		Total Length Surveyed (ft):	<b>58.1</b>

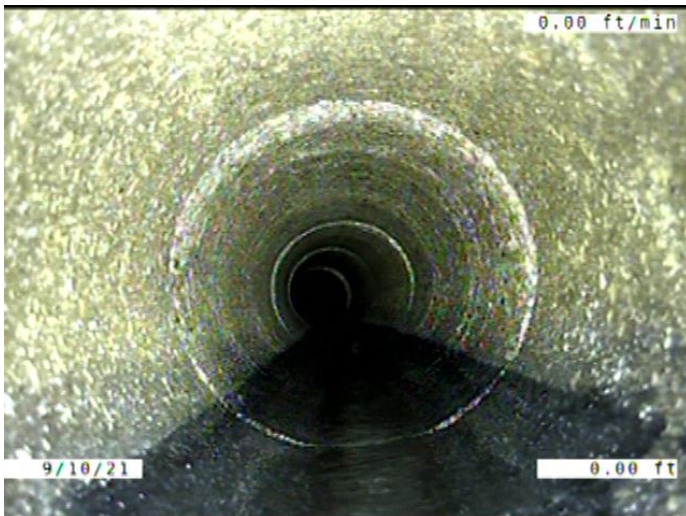
O&M Index:	<b>2.00</b>	O&M Quick:	<b>2800</b>	O&M Rating:	<b>16.00</b>
Structural Index:	<b>2.50</b>	Structural Quick:	<b>3424</b>	Structural Rating:	<b>20.00</b>
Overall Index:	<b>2.25</b>	Overall Quick:	<b>342A</b>	Overall Rating:	<b>36.00</b>

	Position	Code	Observation	Video (sec)	Grade
					
	.0	AMH	Manhole	1	NA
	.0	MWL	Miscellaneous Water Level	11	NA
	1.5	MGO	Miscellaneous General Observation	19	NA
	12.9	FS	Fracture Spiral	132	S 3
	16.1	DAE	Deposits Attached Encrustation	210	M 2
	20.6	MWLS	Miscellaneous Water Level Sag	256	S 2
	22.3	FS	Fracture Spiral	324	S 3
	22.3	DAE	Deposits Attached Encrustation	340	M 2
	28.0	MMC	Miscellaneous Material Change	413	NA
	29.6	OBM	Obstruction Pipe Material in Invert	443	M 2
	30.5	TF	Tap Factory	473	NA
	31.2	CS	Crack Spiral	532	S 2
	31.2	DAE	Deposits Attached Encrustation	549	M 2
	31.3	MMC	Miscellaneous Material Change	576	NA
	34.0	DAE	Deposits Attached Encrustation	620	M 2
	37.2	DAE	Deposits Attached Encrustation	666	M 2
	37.2	MWLS(S01)	Miscellaneous Water Level Sag	683	S 2
	39.1	FS	Fracture Spiral	736	S 3
	43.2	DAE	Deposits Attached Encrustation	779	M 2
	44.2	FS	Fracture Spiral	840	S 3
	44.2	DAE	Deposits Attached Encrustation	860	M 2
	47.5	MWLS(F01)	Miscellaneous Water Level Sag	921	S 2
	55.1	MMC	Miscellaneous Material Change	994	NA
	57.6	TFA	Tap Factory Activity	1057	NA
	58.1	AEP	Access Point End of Pipe	1096	NA
M-503-032.1					



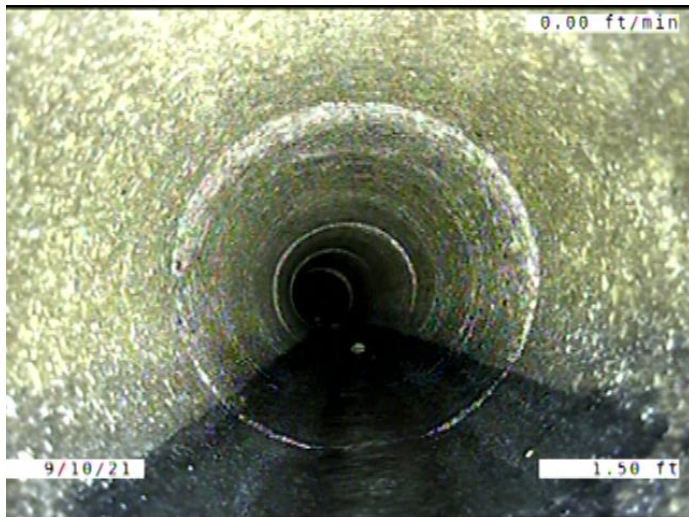
Code: **AMH**  
 Description: **Manhole**

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-503-032**



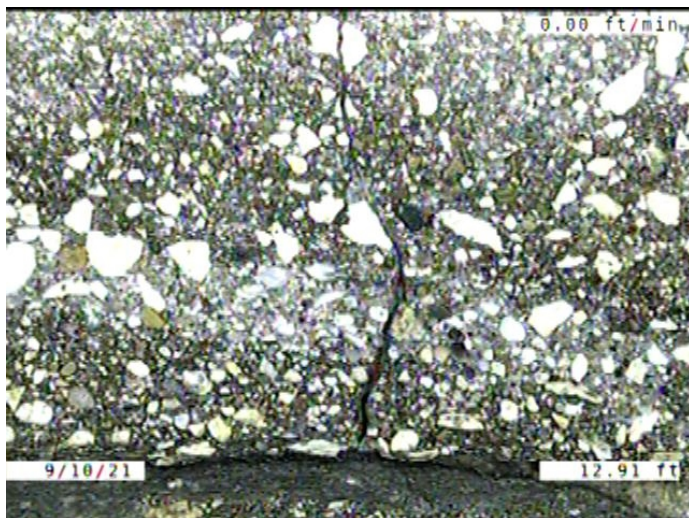
Code: **MWL**  
 Description: **Miscellaneous Water Level**

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:



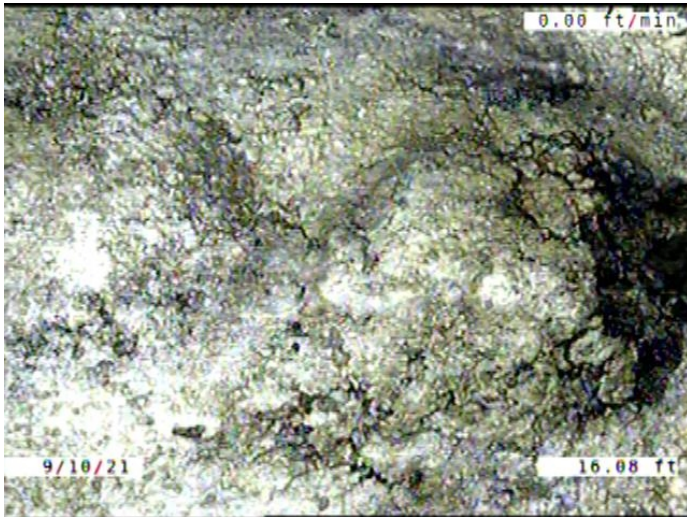
Code: **MGO**  
 Description: **Miscellaneous General Observation**

Distance (ft): **1.5**  
 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: **DROP INTO THE MANHOLE. HAD TO START IN THE PIPE.**



Code: **FS**  
 Description: **Fracture Spiral**

Distance (ft): **12.9**  
 Structural Grade: **3**  
 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:



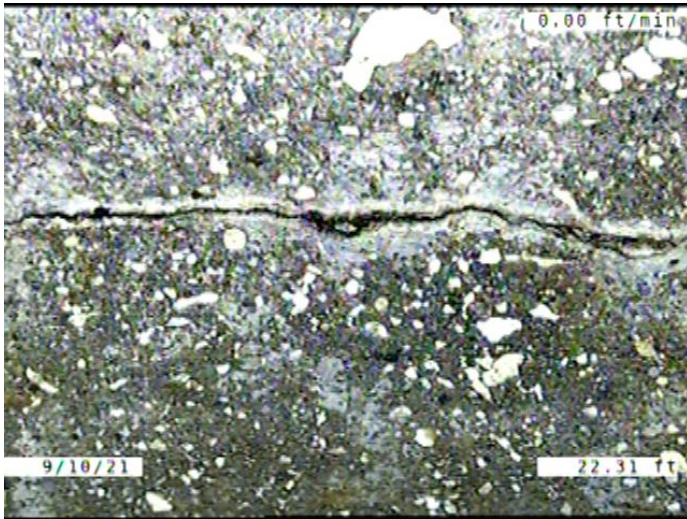
Code: **DAE**  
 Description: **Deposits Attached Encrustation**

Distance (ft): **16.1**  
 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:



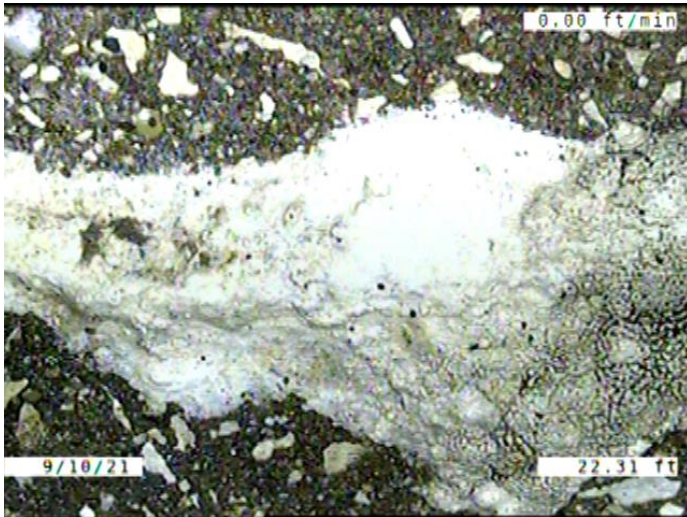
Code: **MWLS**  
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **20.6**  
 Structural Grade: **2**  
 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:



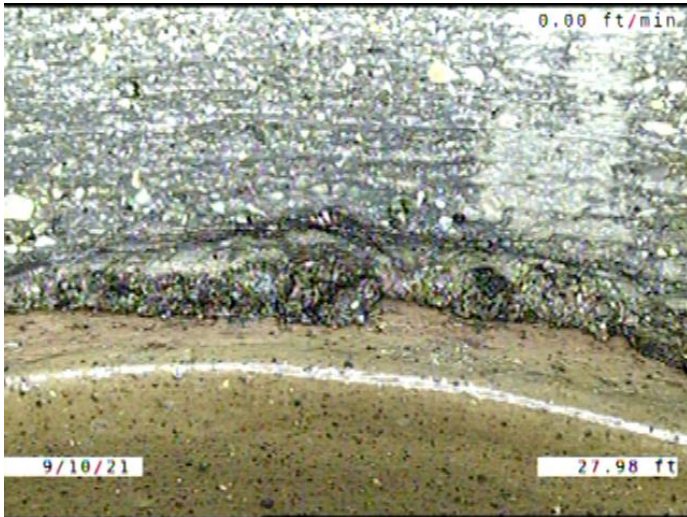
Code: **FS**  
 Description: **Fracture Spiral**

Distance (ft): **22.3**  
 Structural Grade: **3**  
 O&M Grade: **0**  
 Clock Start/From: **8**  
 Clock To: **3**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



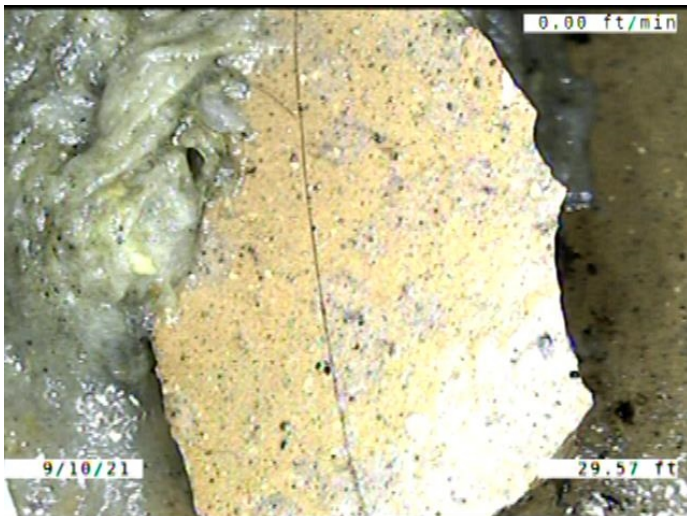
Code: **DAE**  
 Description: **Deposits Attached Encrustation**

Distance (ft): **22.3**  
 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: **MMC**  
 Description: **Miscellaneous Material Change**

Distance (ft): **28.0**  
 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**



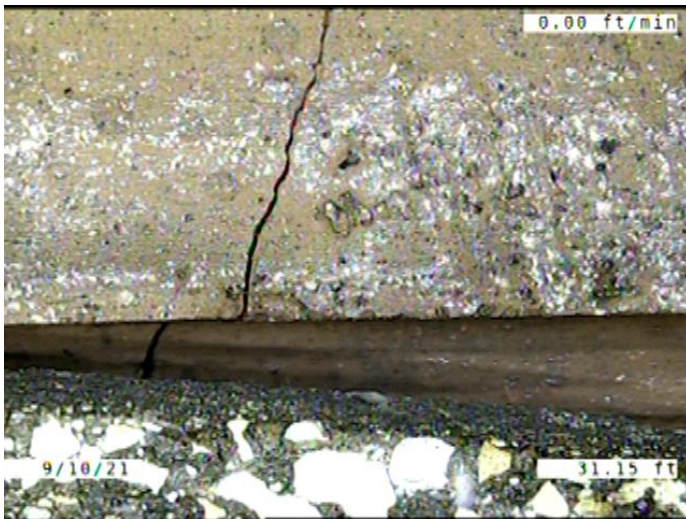
Code: **OBM**  
 Description: **Obstruction Pipe Material in Invert**

Distance (ft): **29.6**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **5**  
 Clock To: **6**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



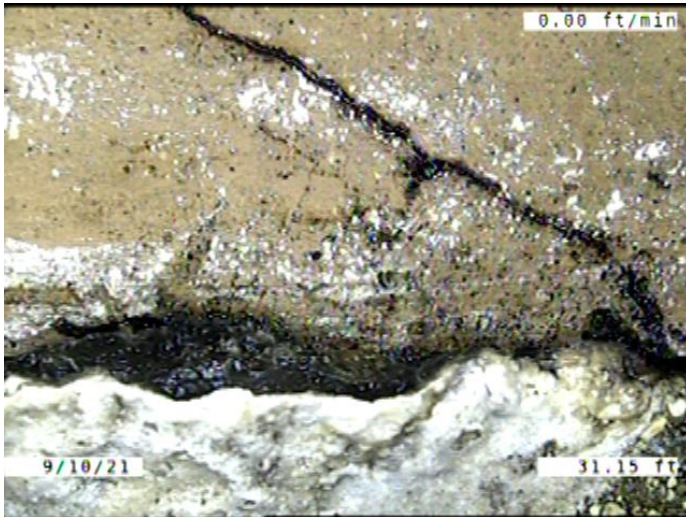
Code: **TF**  
 Description: **Tap Factory**

Distance (ft): **30.5**  
 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:



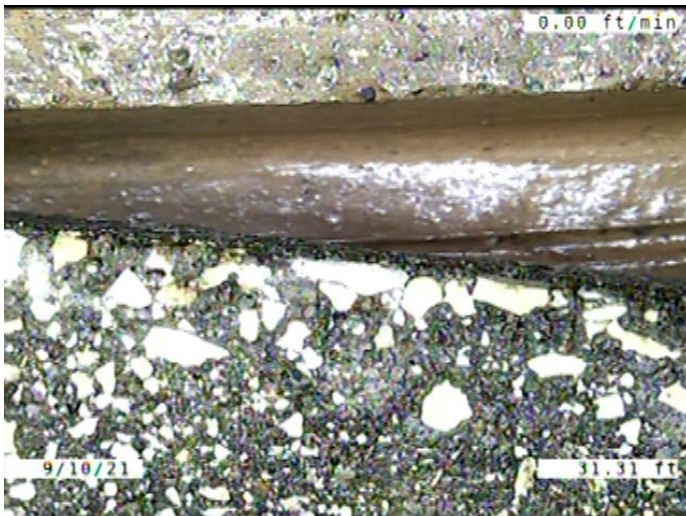
Code: **CS**  
 Description: **Crack Spiral**

Distance (ft): **31.2**  
 Structural Grade: **2**  
 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:



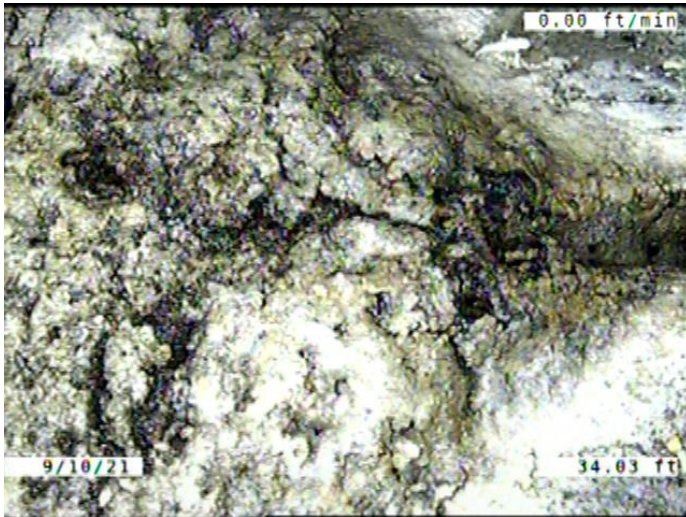
Code: **DAE**  
 Description: **Deposits Attached Encrustation**

Distance (ft): **31.2**  
 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:



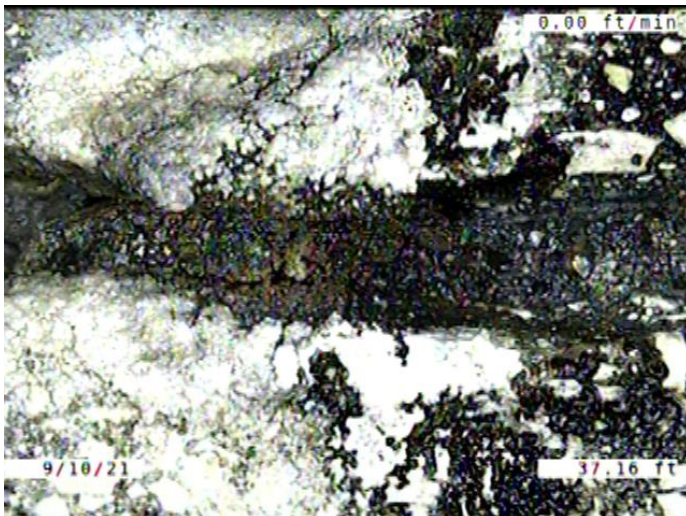
Code: **MMC**  
 Description: **Miscellaneous Material Change**

Distance (ft): **31.3**  
 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: **DAE**  
 Description: **Deposits Attached Encrustation**

Distance (ft): **34.0**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **2**  
 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**

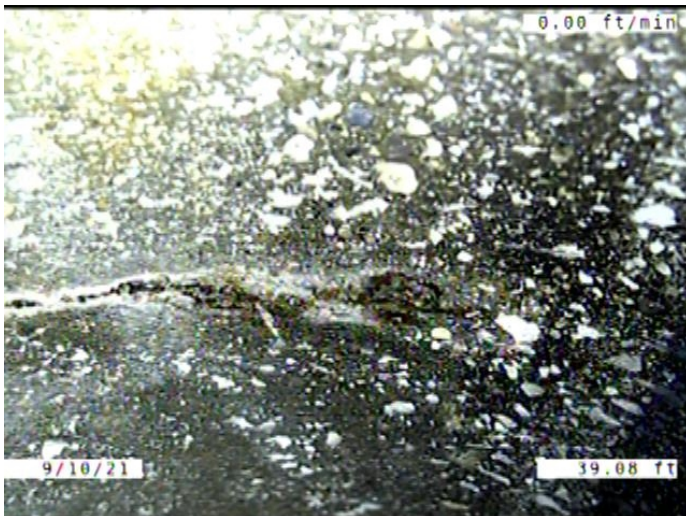
Distance (ft): **37.2**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **7**  
 Clock To: **8**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **37.2**  
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:

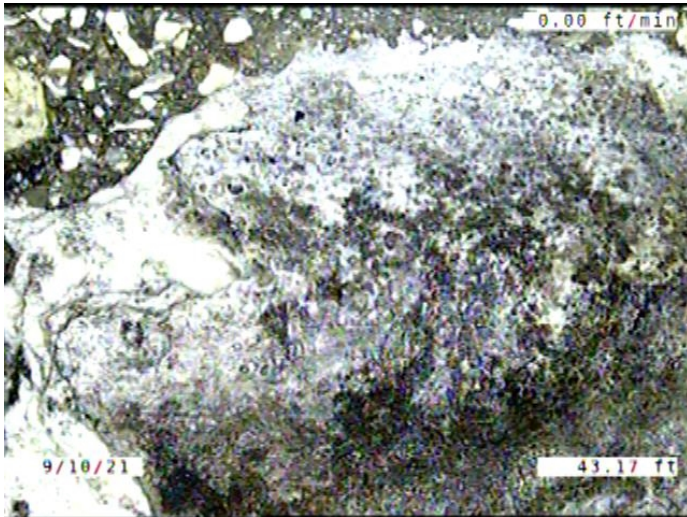
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Code: **FS**  
Description: **Fracture Spiral**

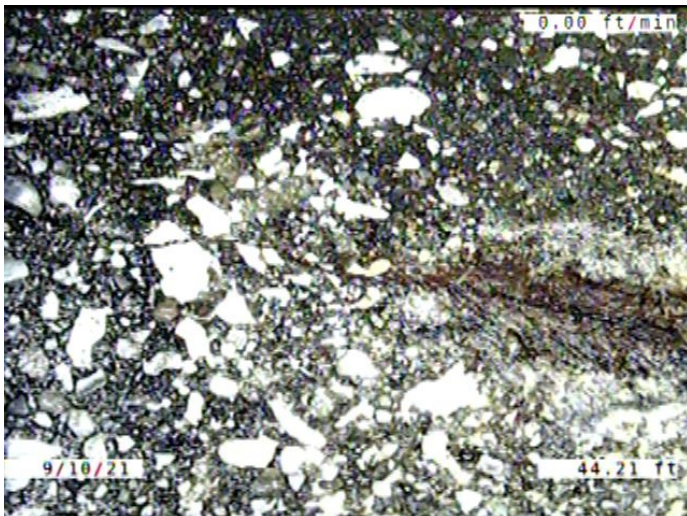
Distance (ft): **39.1**  
Structural Grade: **3**  
O&M Grade: **0**  
Clock Start/From: **12**  
Clock To: **12**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

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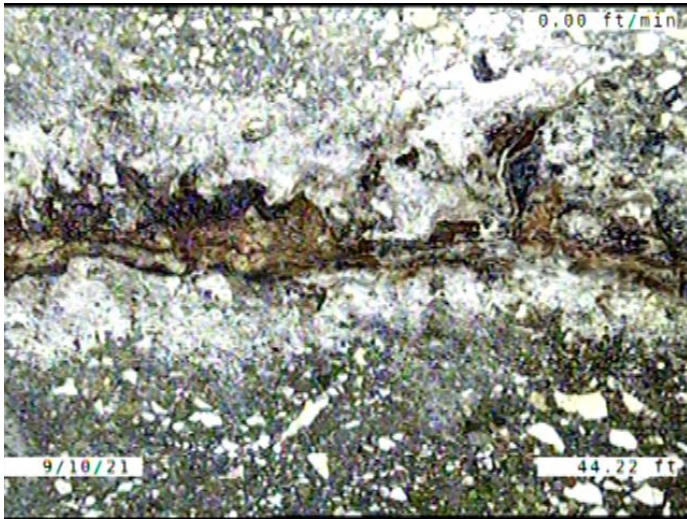
Code: **DAE**  
 Description: **Deposits Attached Encrustation**

Distance (ft): **43.2**  
 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: **FS**  
 Description: **Fracture Spiral**

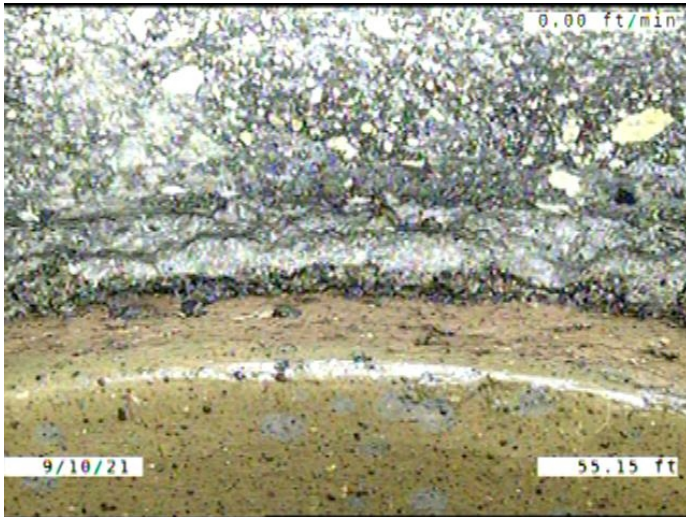
Distance (ft): **44.2**  
 Structural Grade: **3**  
 O&M Grade: **0**  
 Clock Start/From: **12**  
 Clock To: **12**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:



Code:	<b>DAE</b>
Description:	<b>Deposits Attached Encrustation</b>
Distance (ft):	<b>44.2</b>
Structural Grade:	<b>0</b>
O&M Grade:	<b>2</b>
Clock Start/From:	<b>10</b>
Clock To:	<b>4</b>
1st Value:	
2nd Value:	
Value Percent:	<b>5.000</b>
Continuous Index:	
Within 8" of Joint:	<b>YES</b>
Remarks:	

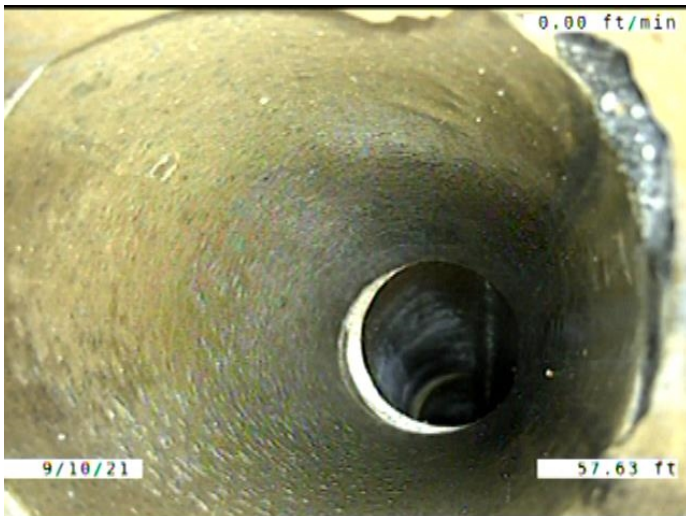


Code:	<b>MWLS</b>
Description:	<b>Miscellaneous Water Level Sag</b>
Distance (ft):	<b>47.5</b>
Structural Grade:	<b>2</b>
O&M Grade:	<b>0</b>
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	<b>5.000</b>
Continuous Index:	<b>F01</b>
Within 8" of Joint:	<b>NO</b>
Remarks:	



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

Distance (ft): **55.1**  
 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: **TFA**  
 Description: **Tap Factory Activity**

Distance (ft): **57.6**  
 Structural Grade: **0**  
 O&M Grade: **0**  
 Clock Start/From: **3**  
 Clock To:  
 1st Value: **4.000**  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



Code:	AEP
Description:	Access Point End of Pipe
Distance (ft):	58.1
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-503-032.1