

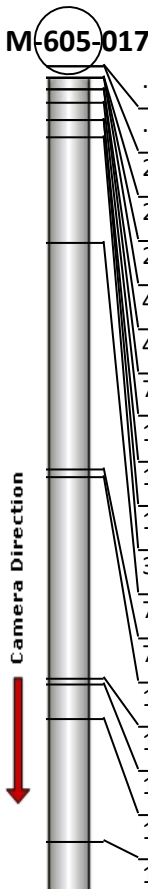
# Profile/Photo Observation Report



Date:	<b>11/16/2021</b>	Weather:		Coding:	<b>PACP 7.0</b>
Pipe Length (ft):	<b>333.0</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-605-018-017</b>
Customer:	<b>City of Hobart</b>	Clean Date:	<b>11/16/2021</b>	Shape:	<b>C</b>

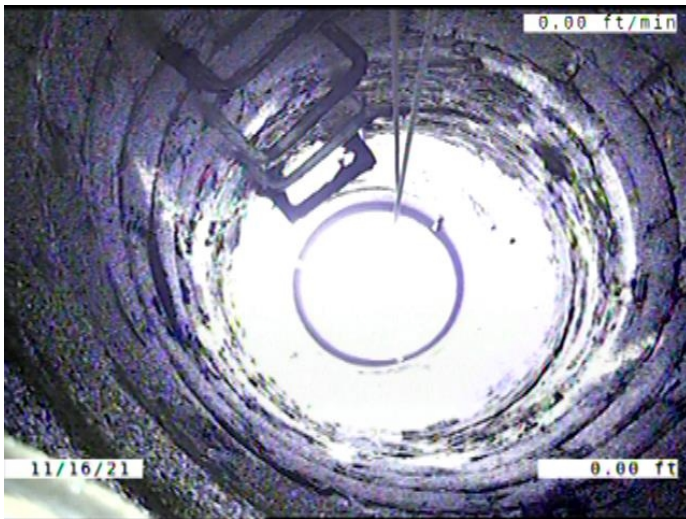
Street:	<b>Court Street</b>	Flow Control:	<b>Not Controlled</b>
City:	<b>Hobart, IN</b>	Year Renewed:	
Location:	<b>Local rural streets with light traffic, t</b>	Tape/Media #:	
Purpose:	<b>Routine Assessment</b>	Dia/Height:	<b>12"</b>
Use:	<b>Sanitary Sewage Pipe</b>	Material:	<b>VCP</b>
Drain Area:		Lining:	<b>None</b>
Category:	<b>NA</b>		
Comment:			
Location Details:		Direction of Survey:	<b>Downstream</b>
US MH:	<b>M-605-017</b>	DS MH:	<b>M-605-018</b>
		Total Length Surveyed (ft):	<b>333.0</b>

O&M Index:	<b>2.02</b>	O&M Quick:	<b>332V</b>	O&M Rating:	<b>247.00</b>
Structural Index:	<b>3.50</b>	Structural Quick:	<b>4532</b>	Structural Rating:	<b>28.00</b>
Overall Index:	<b>2.12</b>	Overall Quick:	<b>4535</b>	Overall Rating:	<b>275.00</b>

Position	Code	Observation	Video (sec)	Grade
				
.0	AMH	Manhole	1	NA
.0	MWL	Miscellaneous Water Level	71	NA
2.0	JSL	Joint Separated Large	161	S 4
2.0	JAL	Joint Angular Large	174	S 4
2.0	DAE	Deposits Attached Encrustation	202	M 2
4.2	JSM	Joint Separated Medium	326	S 3
4.2	MMC	Miscellaneous Material Change	347	NA
7.3	DAE(S01)	Deposits Attached Encrustation	409	M 2
10.2	JAL	Joint Angular Large	480	S 4
10.2	LL	Line Left	504	M 2
13.5	CL	Crack Longitudinal	570	S 2
33.2	TF	Tap Factory	727	NA
75.9	TF	Tap Factory	1070	NA
77.4	IDJ	Infiltration Dripper Joint	1148	M 3
115.5	TF	Tap Factory	1417	NA
116.6	DSF(S02)	Deposits Settled Fine	1447	M 2
123.1	DAE	Deposits Attached Encrustation	1552	M 2
146.2	TFA	Tap Factory Activity	1784	NA
156.8	DAE	Deposits Attached Encrustation	1863	M 2

165.9	IWJ	Infiltration Weeper Joint	1925	M 2
188.9	TF	Tap Factory	2087	NA
199.5	IWJ	Infiltration Weeper Joint	2154	M 2
202.6	IWJ	Infiltration Weeper Joint	2184	M 2
204.1	IWB	Infiltration Weeper Barrel	2213	M 2
211.8	IWJ	Infiltration Weeper Joint	2262	M 2
223.7	IDJ	Infiltration Dripper Joint	2367	M 3
239.8	IDL	Infiltration Dripper Lateral	2507	M 3
240.7	TF	Tap Factory	2555	NA
245.1	IWJ	Infiltration Weeper Joint	2603	M 2
265.0	OBN	Obstruction Construction Debris	2738	M 2
272.9	MMC	Miscellaneous Material Change	2807	NA
274.0	TF	Tap Factory	2838	NA
275.2	MMC	Miscellaneous Material Change	2885	NA
308.7	FM(S03)	Fracture Multiple	3180	S 4
321.0	FM(F03)	Fracture Multiple	3402	S 4
327.2	FL	Fracture Longitudinal	3466	S 3
330.1	MMC	Miscellaneous Material Change	3523	NA
330.9	DAE(F01)	Deposits Attached Encrustation	3544	M 2
330.9	DSF(F02)	Deposits Settled Fine	3552	M 2
333.0	AMH	Manhole	3703	NA

**M-605-018**



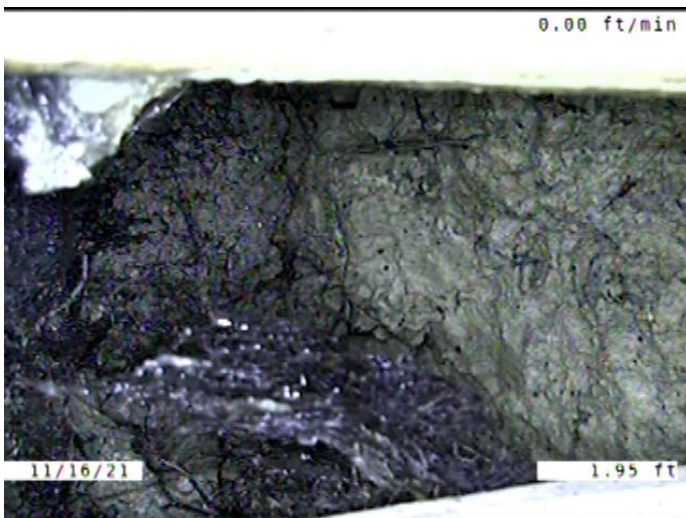
Code: **AMH**  
Description: **Manhole**

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-605-017**



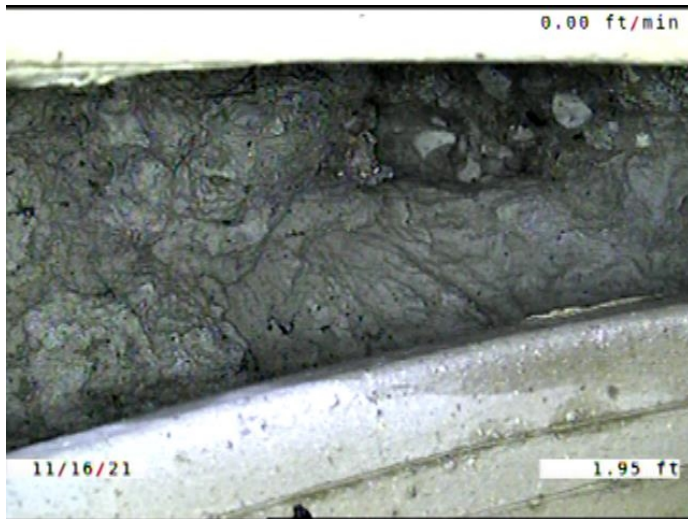
Code: **MWL**  
 Description: **Miscellaneous Water Level**

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:



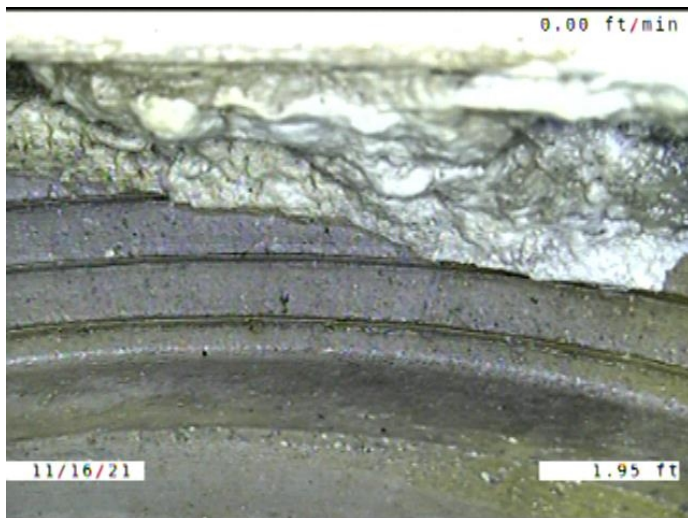
Code: **JSL**  
 Description: **Joint Separated Large**

Distance (ft): **2.0**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks: **SOIL VISIBLE.**



Code: **JAL**  
Description: **Joint Angular Large**

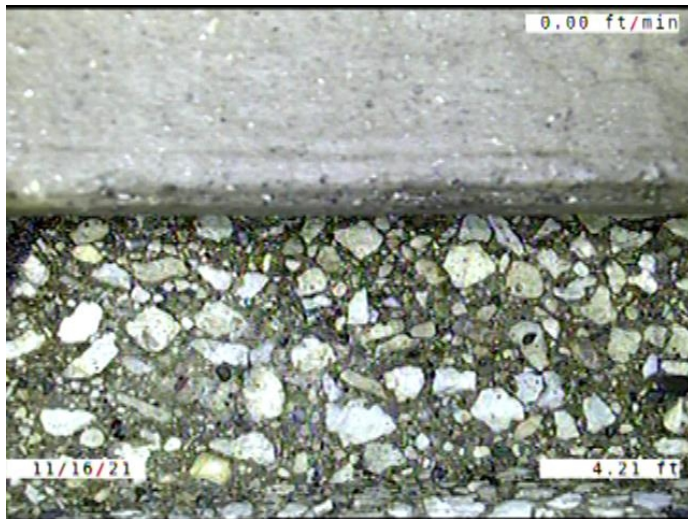
Distance (ft): **2.0**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks: **SOIL VISIBLE**



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

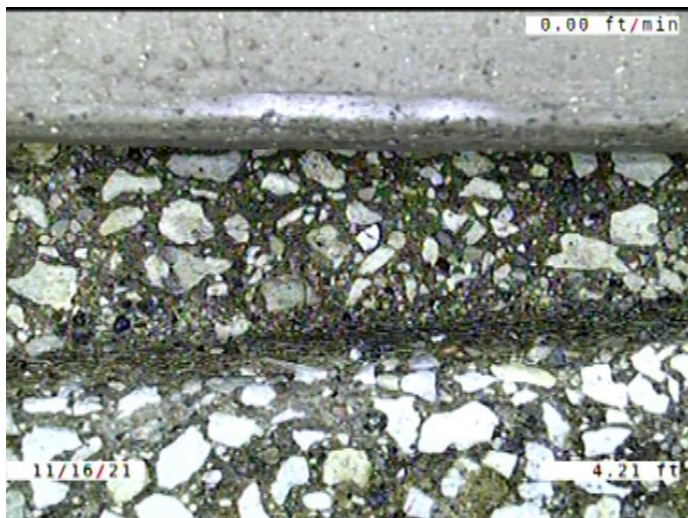
Distance (ft): **2.0**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **12**  
Clock To: **3**  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:





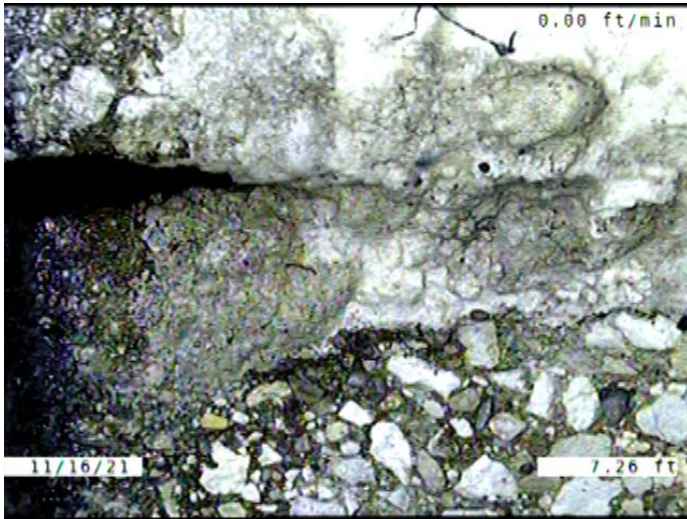
Code: **JSM**  
Description: **Joint Separated Medium**

Distance (ft): **4.2**  
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): **4.2**  
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: **VCP TO CONCRETE**



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

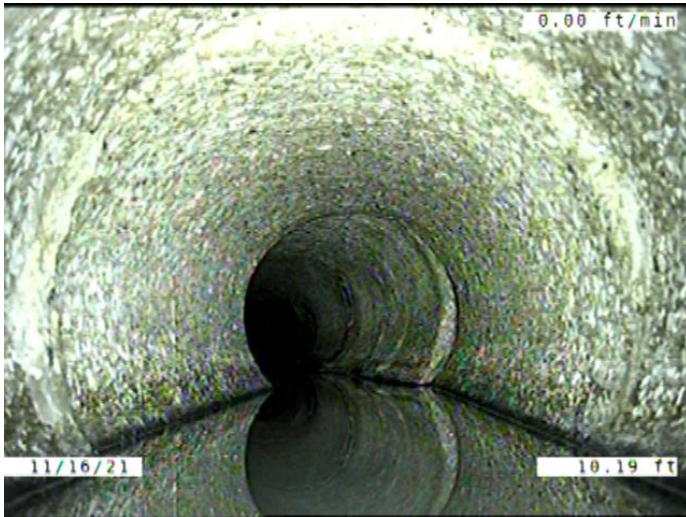
Distance (ft): **7.3**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **8**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index: **S01**  
 Within 8" of Joint: **YES**  
 Remarks:



Code: **JAL**  
 Description: **Joint Angular Large**

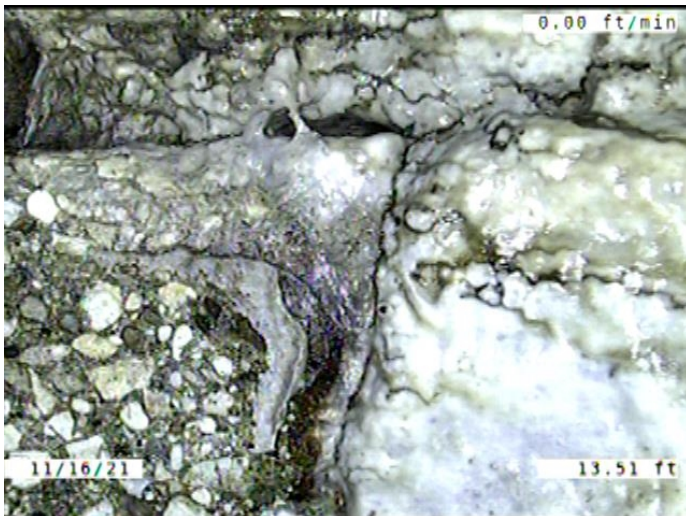
Distance (ft): **10.2**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:





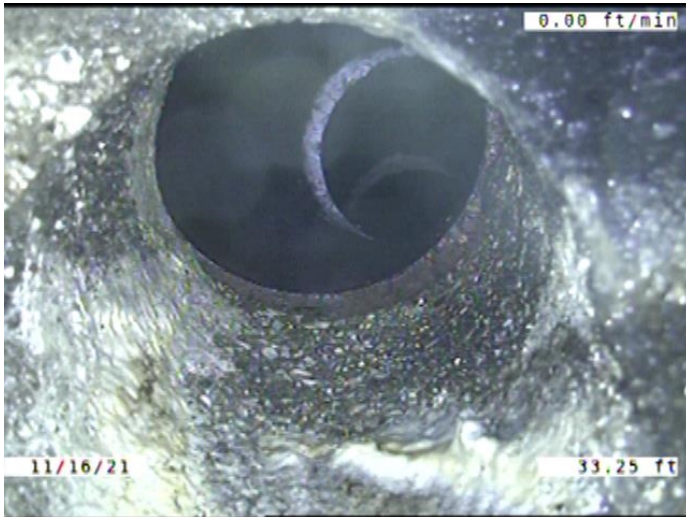
Code: **LL**  
 Description: **Line Left**

Distance (ft): **10.2**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **20.000**  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:



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

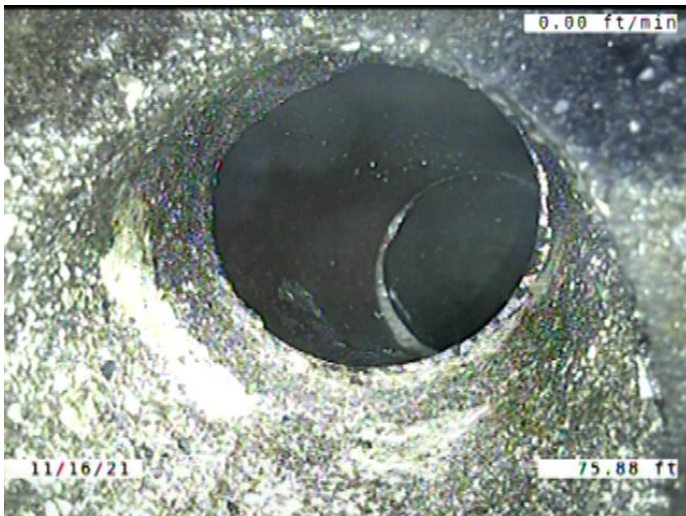
Distance (ft): **13.5**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From: **2**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **33.2**  
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: **ENCrustATION AROUND THE INSIDE OF THE TAP**

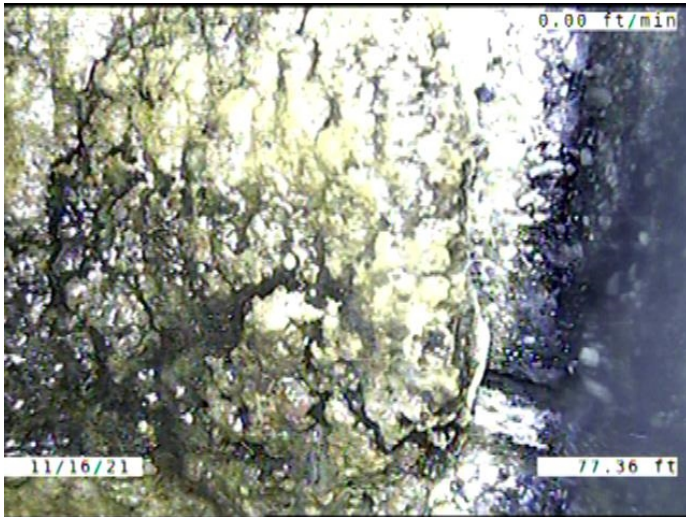


Code: **TF**  
Description: **Tap Factory**

Distance (ft): **75.9**  
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:





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

Distance (ft): **77.4**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **3**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



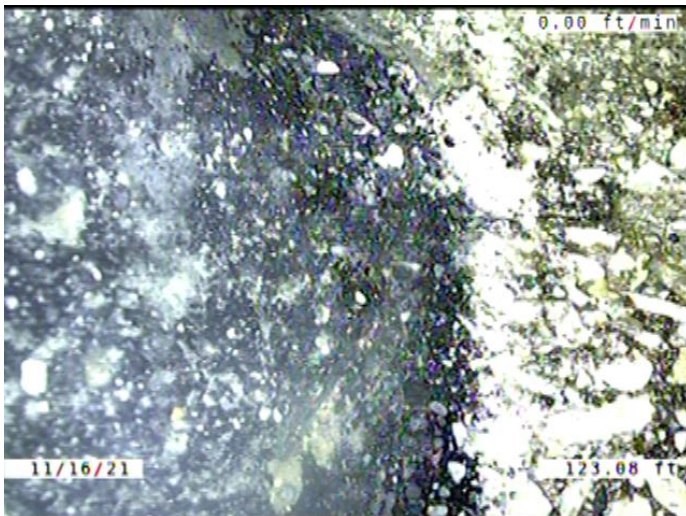
Code: **TF**  
 Description: **Tap Factory**

Distance (ft): **115.5**  
 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: **ENCRUSTATION IN THE TAP**



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

Distance (ft): **116.6**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **5**  
 Clock To: **7**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index: **S02**  
 Within 8" of Joint: **YES**  
 Remarks:



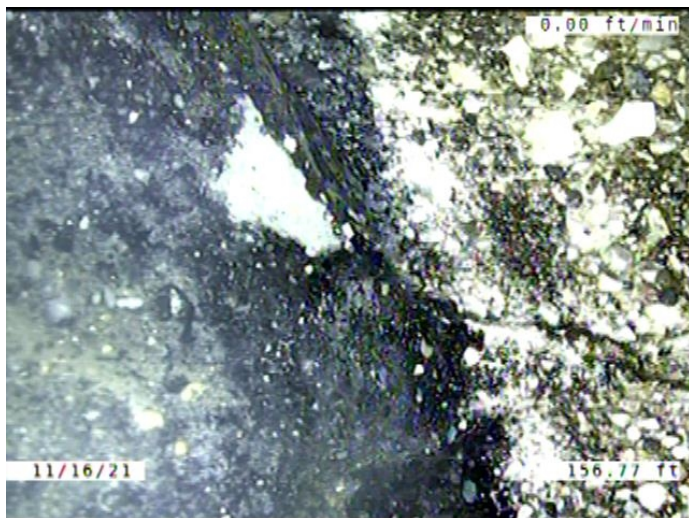
Code: **DAE**  
 Description: **Deposits Attached Encrustation**

Distance (ft): **123.1**  
 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: **TFA**  
 Description: **Tap Factory Activity**

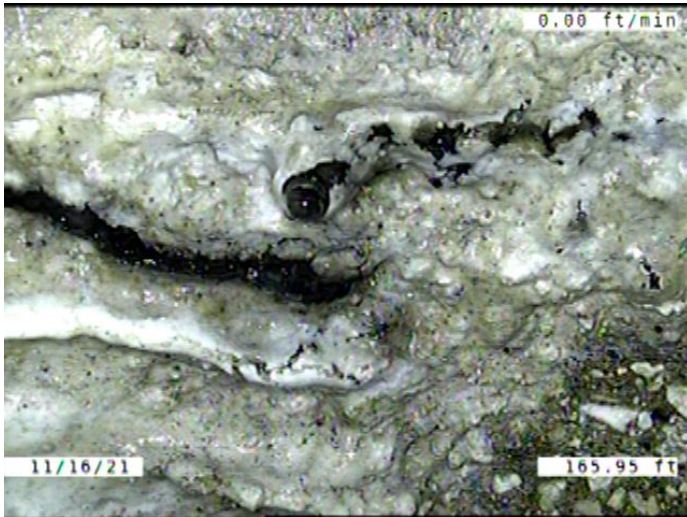
Distance (ft): **146.2**  
 Structural Grade: **0**  
 O&M Grade: **0**  
 Clock Start/From: **1**  
 Clock To:  
 1st Value: **4.000**  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **156.8**  
 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: **IWJ**  
 Description: **Infiltration Weeper Joint**

Distance (ft): **165.9**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **11**  
 Clock To: **12**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



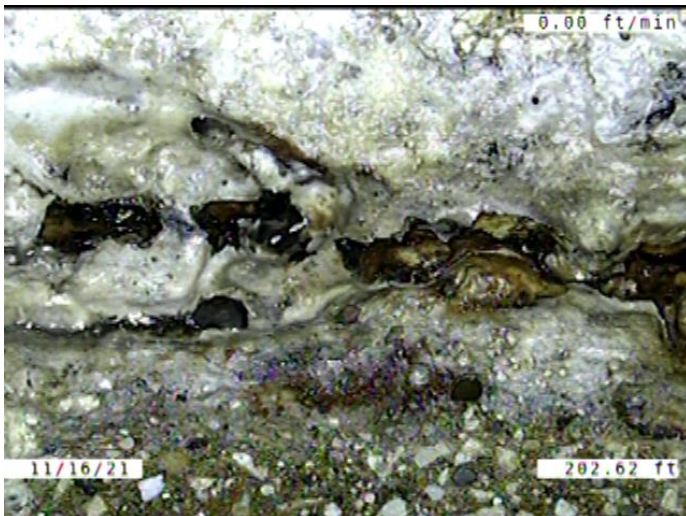
Code: **TF**  
 Description: **Tap Factory**

Distance (ft): **188.9**  
 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: **ENCrustation IN THE TAP. ROOTS GROWING IN THE TAP. CONSTANTLY**



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

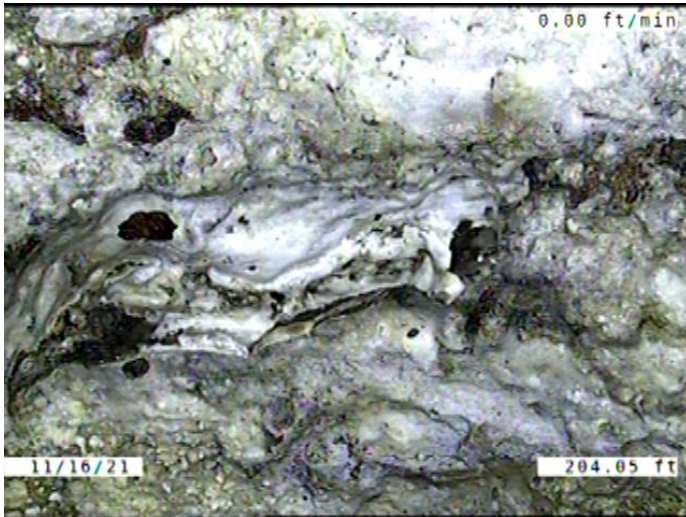
Distance (ft): **199.5**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **12**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

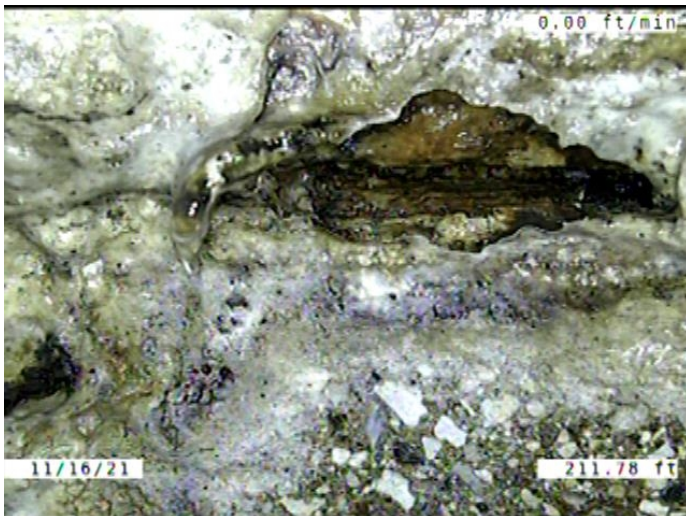
Distance (ft): **202.6**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **11**  
 Clock To: **1**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:





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

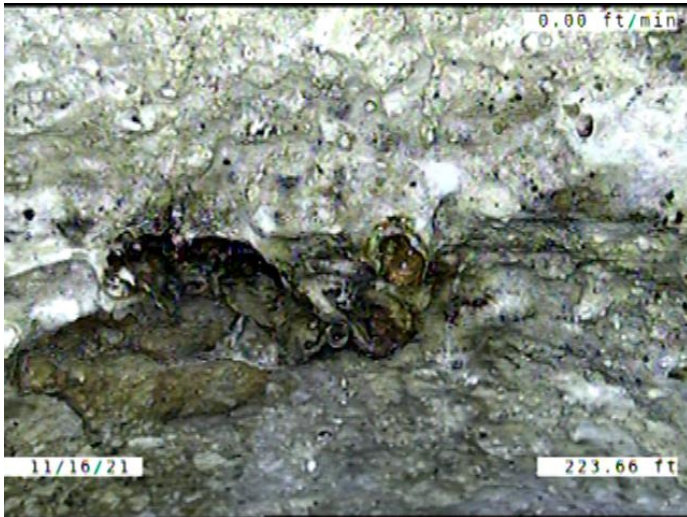
Distance (ft): **204.1**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **1**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:



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

Distance (ft): **211.8**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **12**  
 Clock To: **1**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:





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

Distance (ft): **223.7**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **12**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



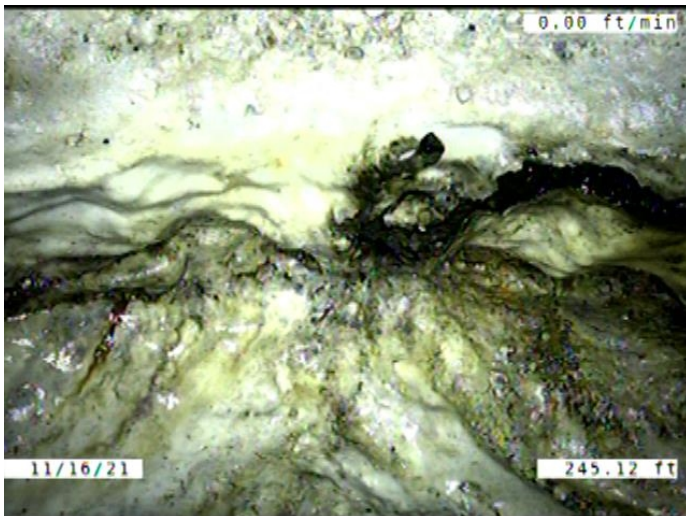
Code: **IDL**  
 Description: **Infiltration Dripper Lateral**

Distance (ft): **239.8**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **12**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



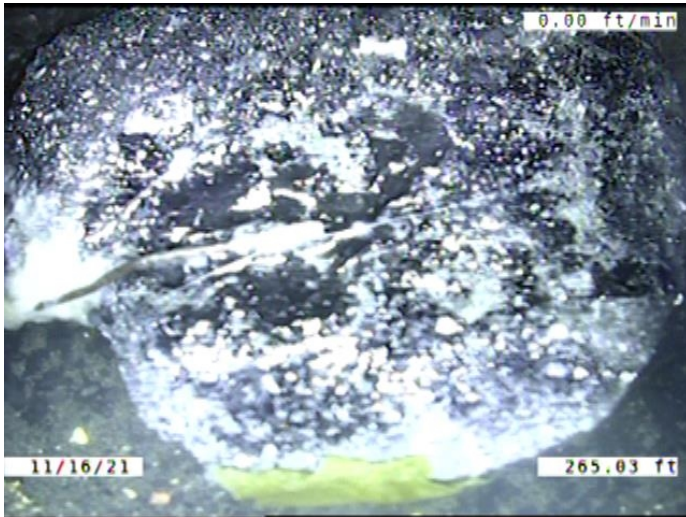
Code: **TF**  
Description: **Tap Factory**

Distance (ft): **240.7**  
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: **ENCrustATION IN THE TAP.  
CONSTANTLY DRIPPING WATER.**



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

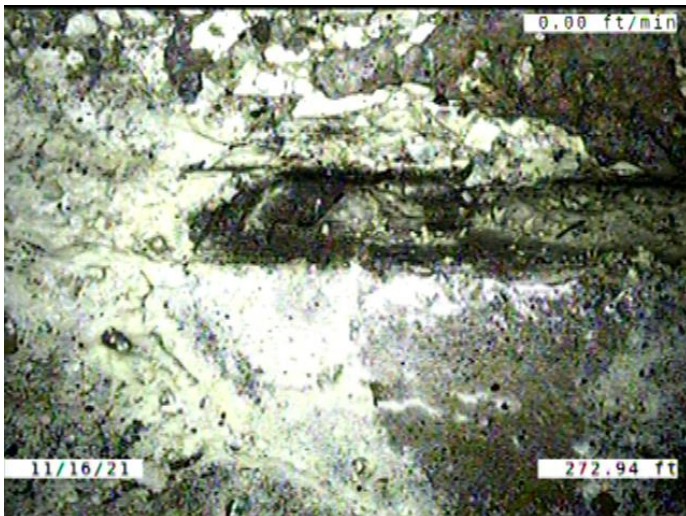
Distance (ft): **245.1**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **12**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:



Code: **OBN**  
Description: **Obstruction Construction Debris**

Distance (ft): **265.0**  
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: **NO**  
Remarks:

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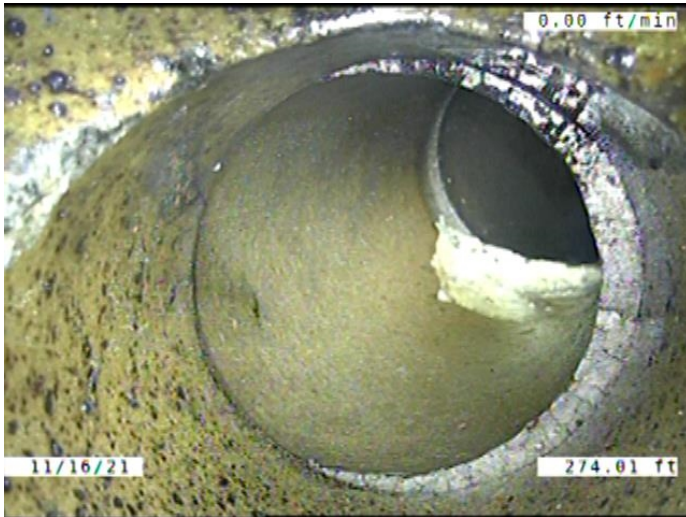


Code: **MMC**  
Description: **Miscellaneous Material Change**

Distance (ft): **272.9**  
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**

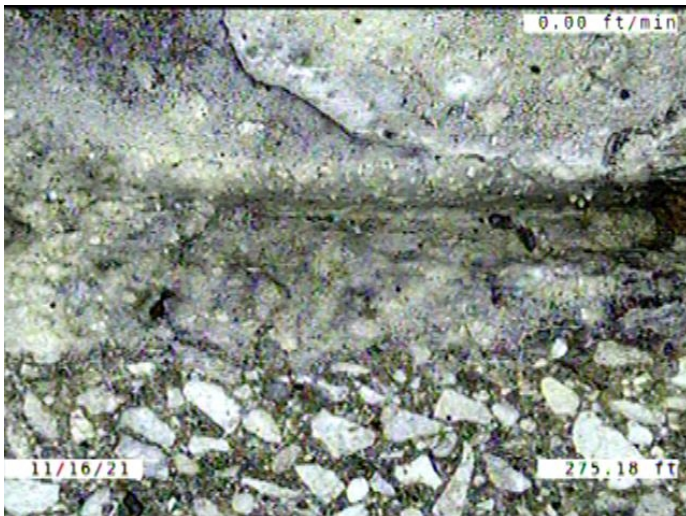
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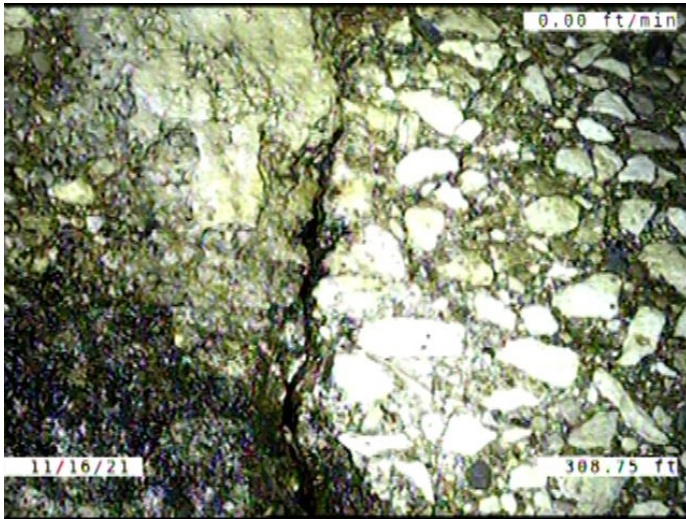
Code: **TF**  
 Description: **Tap Factory**

Distance (ft): **274.0**  
 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:



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

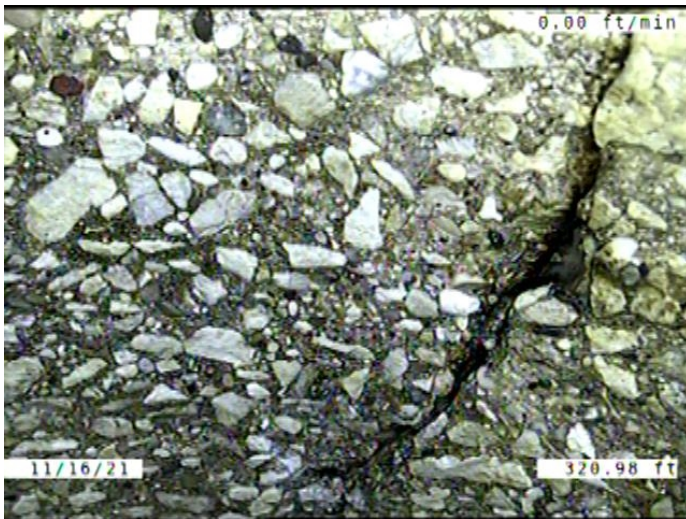
Distance (ft): **275.2**  
 Structural Grade: **0**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks: **VCP TO CONCRETE**



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

Distance (ft): **308.7**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **8**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **S03**  
Within 8" of Joint: **YES**  
Remarks:

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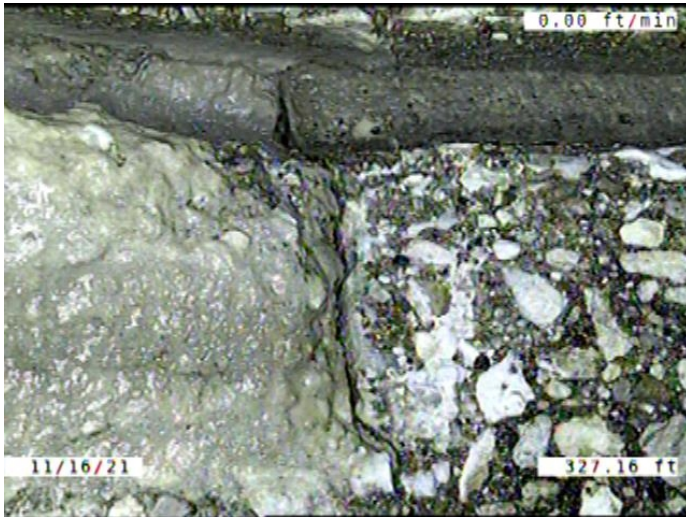


Code: **FM**  
Description: **Fracture Multiple**

Distance (ft): **321.0**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **8**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **F03**  
Within 8" of Joint: **YES**  
Remarks:

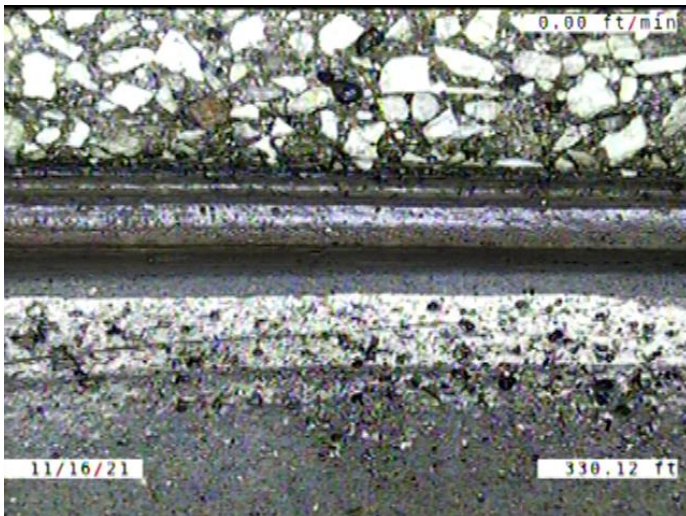
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Code: **FL**  
 Description: **Fracture Longitudinal**

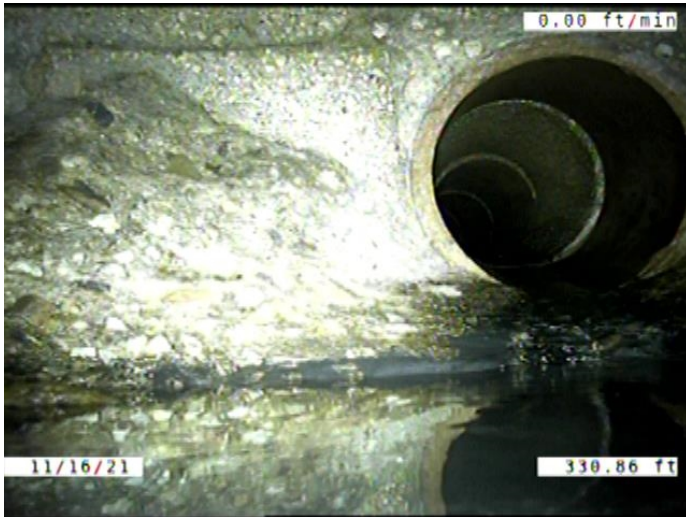
Distance (ft): **327.2**  
 Structural Grade: **3**  
 O&M Grade: **0**  
 Clock Start/From: **10**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **330.1**  
 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**

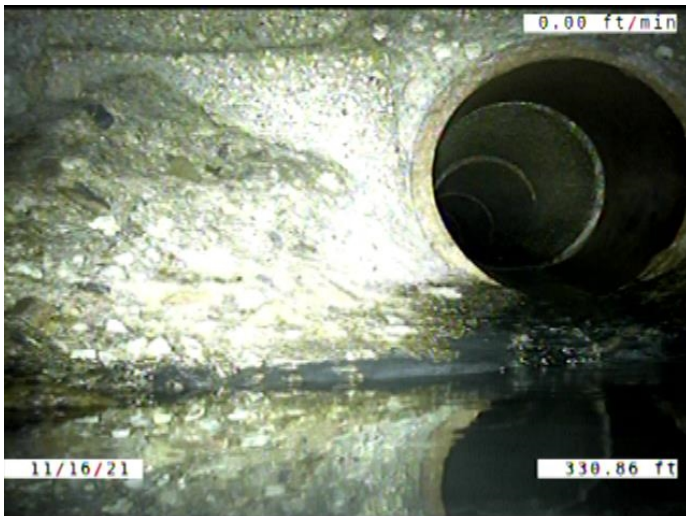




Code: **DAE**  
Description: **Deposits Attached Encrustation**

Distance (ft): **330.9**  
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:

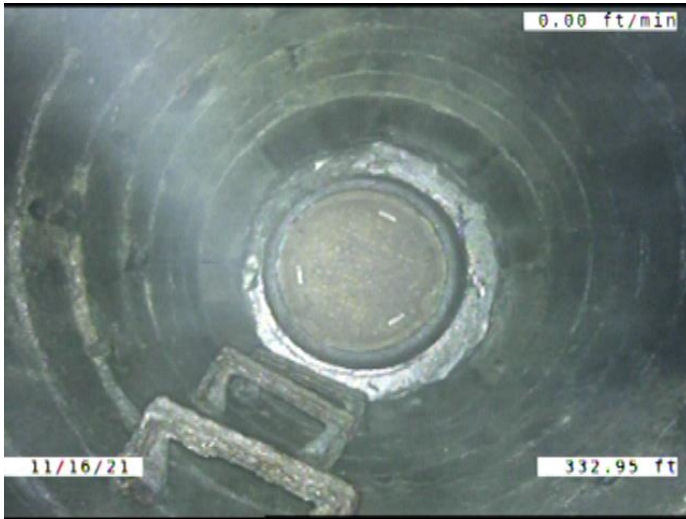
---



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

Distance (ft): **330.9**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **5**  
Clock To: **7**  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index: **F02**  
Within 8" of Joint: **YES**  
Remarks:

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Code:	<b>AMH</b>
Description:	<b>Manhole</b>
Distance (ft):	<b>333.0</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-605-018</b>