

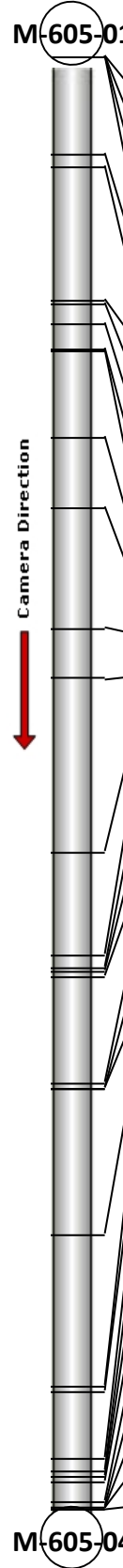
Profile/Photo Observation Report

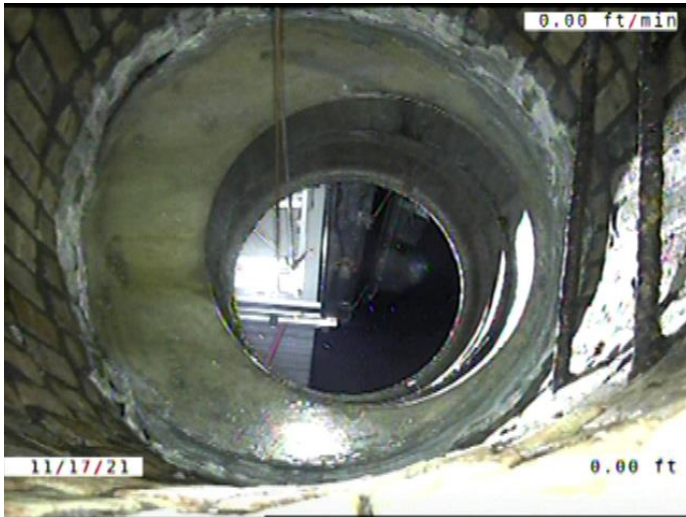


Date:	11/17/2021	Weather:		Coding:	PACP 7.0
Pipe Length (ft):	233.0	Owner:	City of Hobart	Pre Clean:	Heavy Cleaning
P.O.#:	YES502259	Surveyor:	S. Bucklin	PSR:	P-605-042-011
Customer:	City of Hobart	Clean Date:	11/17/2021	Shape:	C

Street:	South Washington Street	Flow Control:	Not Controlled
City:	Hobart, IN	Year Renewed:	
Location:	Local rural streets with light traffic, t	Tape/Media #:	
Purpose:	Routine Assessment	Dia/Height:	12"
Use:	Sanitary Sewage Pipe	Material:	VCP
Drain Area:		Lining:	None
Category:	NA		
Comment:			
Location Details:		Direction of Survey:	Downstream
US MH:	M-605-011	DS MH:	M-605-042
		Total Length Surveyed (ft):	127.6

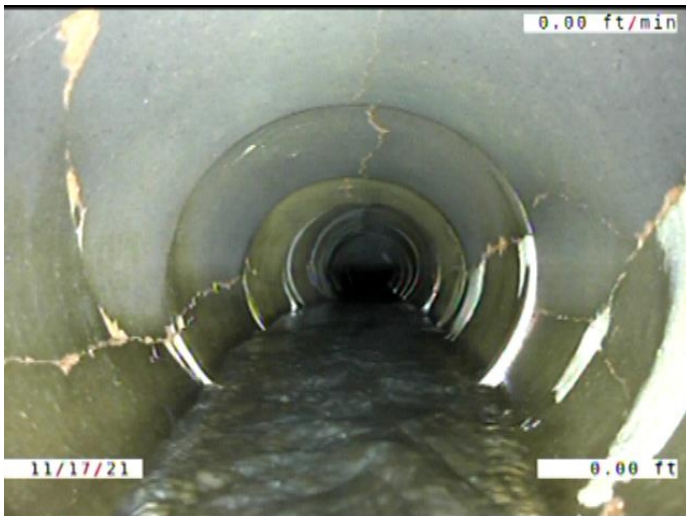
O&M Index:	2.18	O&M Quick:	372E	O&M Rating:	83.00
Structural Index:	3.58	Structural Quick:	514E	Structural Rating:	143.00
Overall Index:	2.90	Overall Quick:	514E	Overall Rating:	226.00

	Position	Code	Observation	Video (sec)	Grade
 <p>Camera Direction</p>	M-605-011				
	.0	AMH	Manhole	1	NA
	.0	MWL	Miscellaneous Water Level	53	NA
	.0	B(S01)	Broken	61	S 4
	.0	DAE(S02)	Deposits Attached Encrustation	91	M 2
	8.6	B(F01)	Broken	161	S 4
	9.6	FM(S03)	Fracture Multiple	168	S 4
	21.4	SSS	Surface Damage Surface Spalling	244	S 2
	21.7	TBI	Tap Break-in Intruding	266	M 2
	23.5	TFD	Tap Factory Defective	300	M 3
	25.6	TFD	Tap Factory Defective	334	M 3
	25.9	SSS	Surface Damage Surface Spalling	347	S 2
	33.5	SSS	Surface Damage Surface Spalling	396	S 2
	39.6	SSS	Surface Damage Surface Spalling	423	S 2
	50.2	MWLS	Miscellaneous Water Level Sag	475	S 2
	54.5	SSS	Surface Damage Surface Spalling	516	S 2
	69.9	MWLS	Miscellaneous Water Level Sag	608	S 2
	78.9	TFD	Tap Factory Defective	688	M 3
	80.0	B	Broken	752	S 4
	80.4	IDC	Infiltration Dripper Connection	788	M 3
	80.8	TFD	Tap Factory Defective	815	M 3
	90.2	BSV	Broken Soil Visible	927	S 5
	90.6	TBI	Tap Break-in Intruding	944	M 2
	90.6	SSS	Surface Damage Surface Spalling	954	S 2
	103.5	DR	Deformed Rigid	1027	S 4
	116.8	SSS	Surface Damage Surface Spalling	1155	S 2
	117.3	TBI	Tap Break-in Intruding	1176	M 2
	123.2	B	Broken	1286	S 4
	124.2	DR	Deformed Rigid	1303	S 4
	124.8	DAE	Deposits Attached Encrustation	1335	M 2
	125.3	TFD	Tap Factory Defective	1358	M 3
	127.0	DAE	Deposits Attached Encrustation	1457	M 2
	127.5	TFD	Tap Factory Defective	1483	M 3
	127.6	FM(F03)	Fracture Multiple	1514	S 4
	127.6	DAE(F02)	Deposits Attached Encrustation	1530	M 2
	127.6	MSA	Miscellaneous Survey Abandoned	1539	NA
	M-605-042				



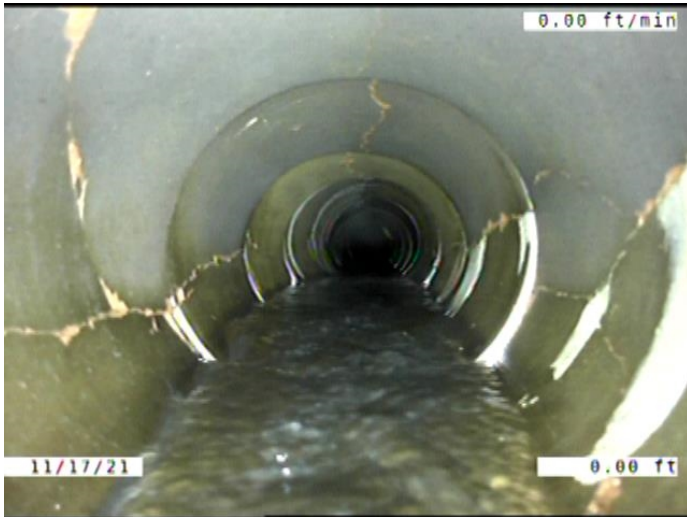
Code: **AMH**
Description: **Manhole**

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-605-011**



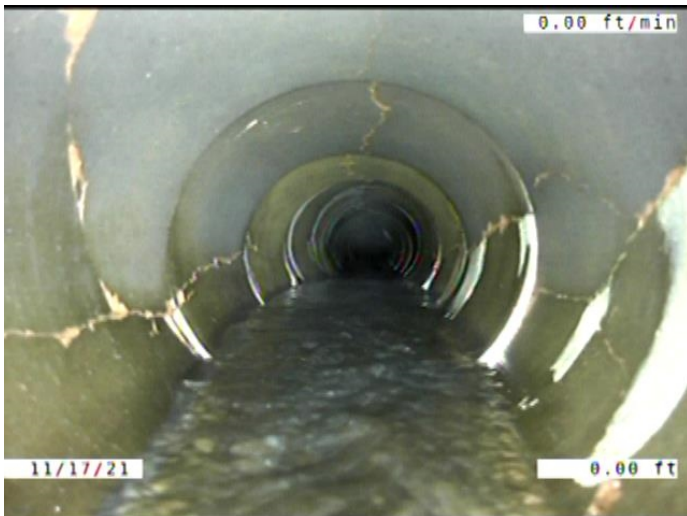
Code: **MWL**
Description: **Miscellaneous Water Level**

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

Distance (ft): **.0**
 Structural Grade: **4**
 O&M Grade: **0**
 Clock Start/From: **12**
 Clock To: **12**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index: **S01**
 Within 8" of Joint: **YES**
 Remarks:



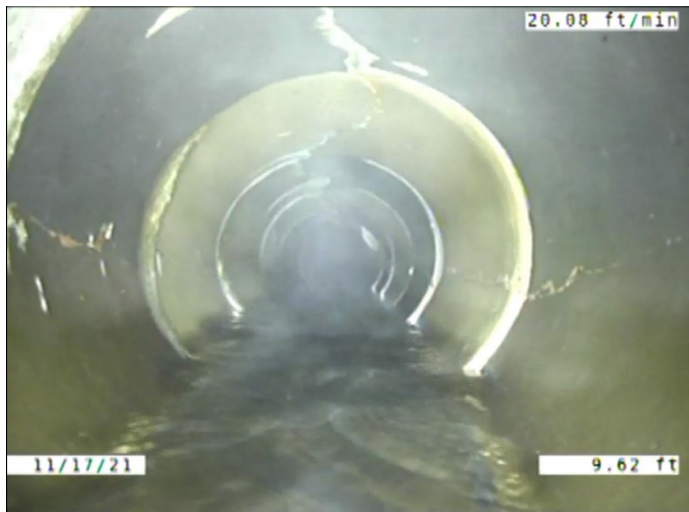
Code: **DAE**
 Description: **Deposits Attached Encrustation**

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



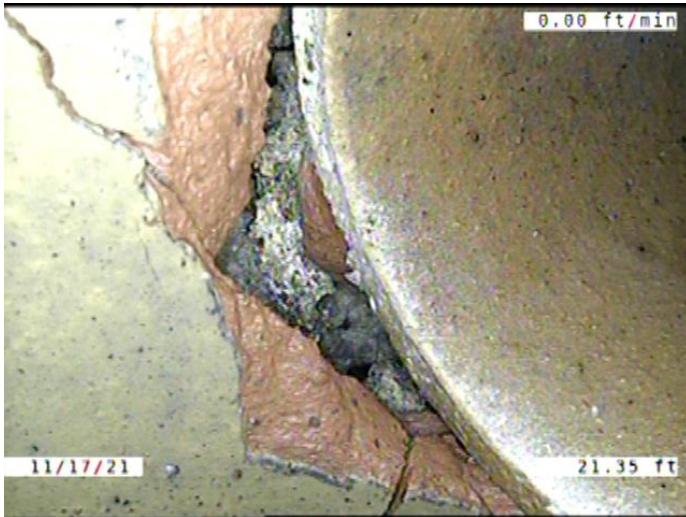
Code: **B**
Description: **Broken**

Distance (ft): **8.6**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **12**
Clock To: **12**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **F01**
Within 8" of Joint: **YES**
Remarks:



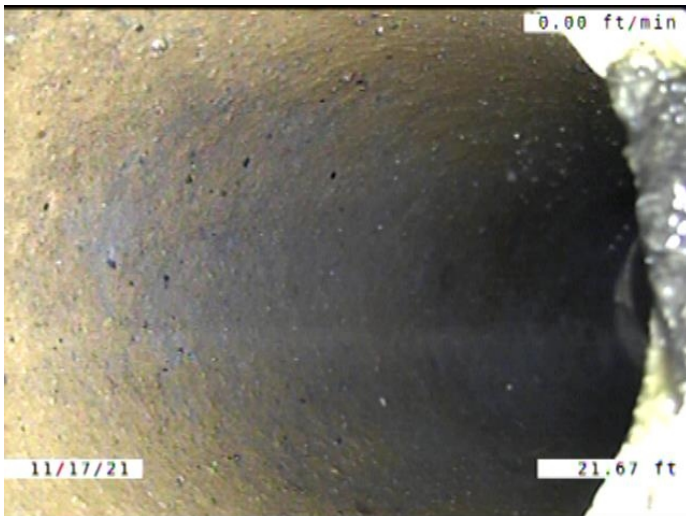
Code: **FM**
Description: **Fracture Multiple**

Distance (ft): **9.6**
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:



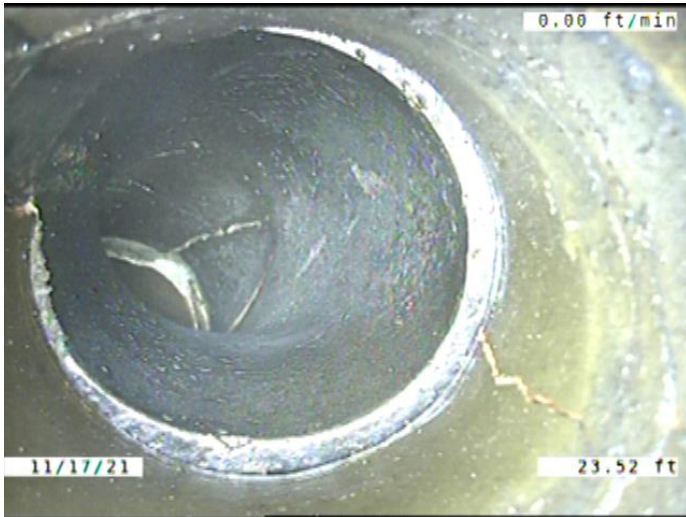
Code: **SSS**
 Description: **Surface Damage Surface Spalling**

Distance (ft): **21.4**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From: **1**
 Clock To: **3**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks:



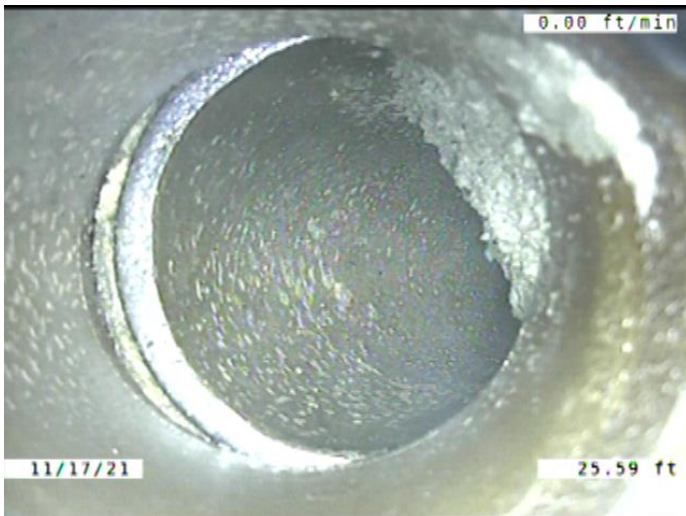
Code: **TBI**
 Description: **Tap Break-in Intruding**

Distance (ft): **21.7**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **1**
 Clock To:
 1st Value: **4.000**
 2nd Value: **1.000**
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



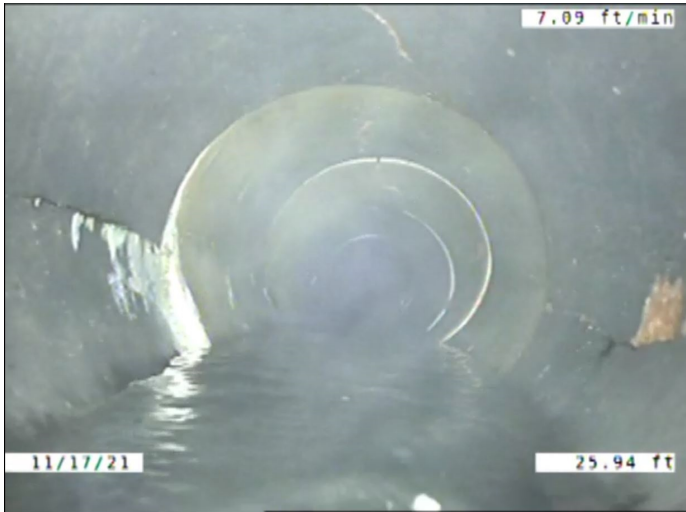
Code: **TFD**
 Description: **Tap Factory Defective**

Distance (ft): **23.5**
 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: **BROKEN.**



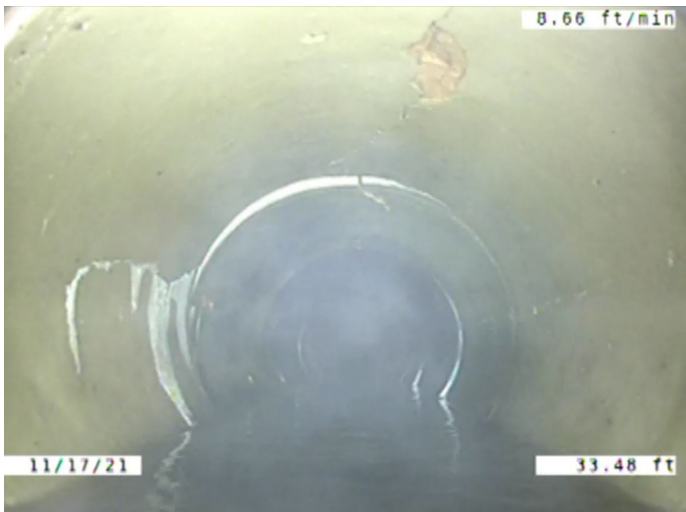
Code: **TFD**
 Description: **Tap Factory Defective**

Distance (ft): **25.6**
 Structural Grade: **0**
 O&M Grade: **3**
 Clock Start/From: **2**
 Clock To:
 1st Value: **4.000**
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks: **OFFSET.**



Code: **SSS**
Description: **Surface Damage Surface Spalling**

Distance (ft): **25.9**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From: **3**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



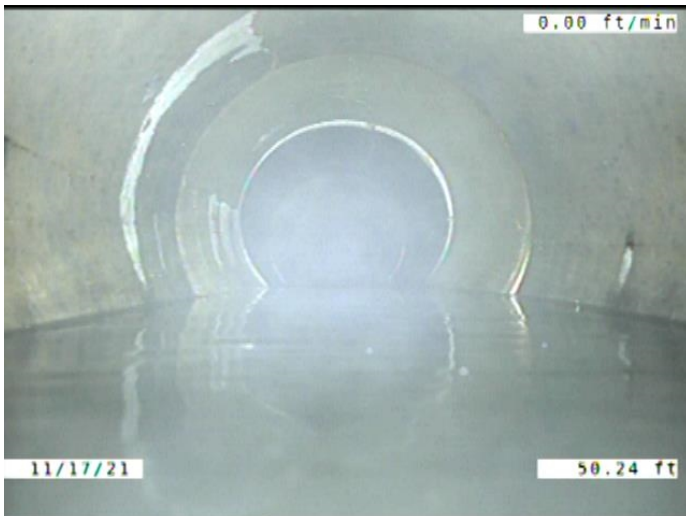
Code: **SSS**
Description: **Surface Damage Surface Spalling**

Distance (ft): **33.5**
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: **NO**
Remarks:



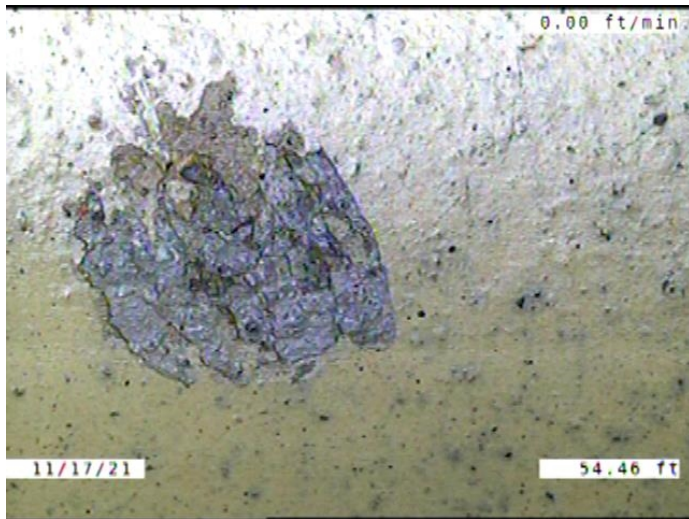
Code: **SSS**
Description: **Surface Damage Surface Spalling**

Distance (ft): **39.6**
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: **NO**
Remarks:



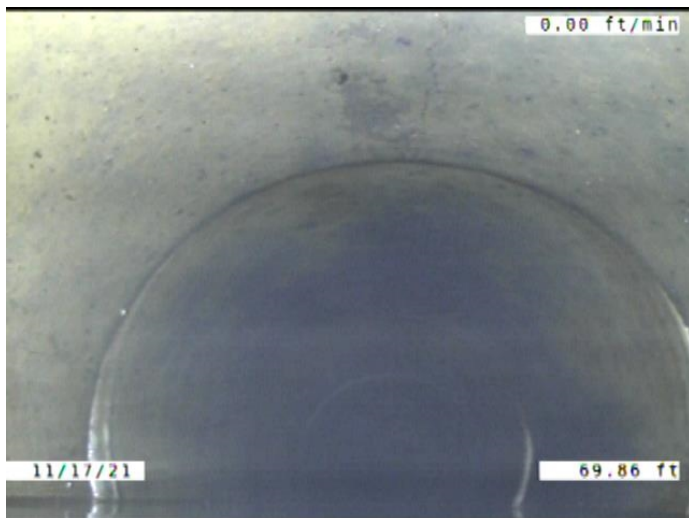
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **50.2**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **15.000**
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



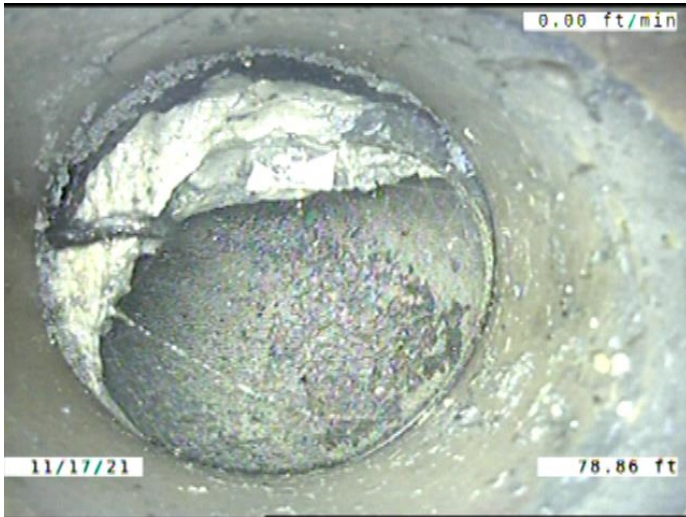
Code: **SSS**
Description: **Surface Damage Surface Spalling**

Distance (ft): **54.5**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From: **11**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



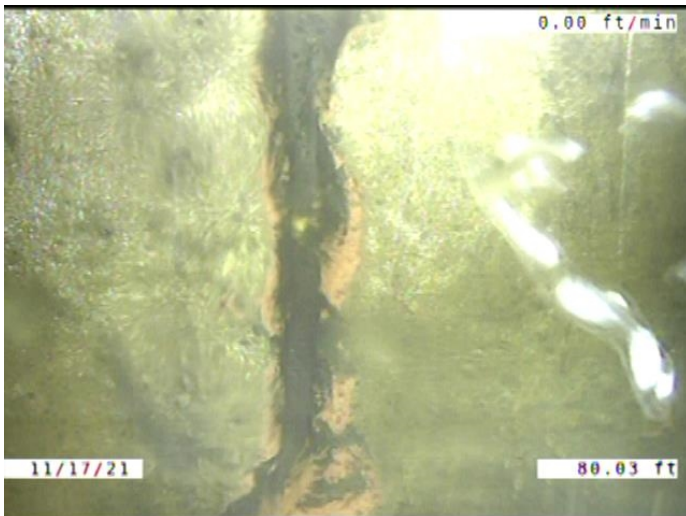
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **69.9**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **15.000**
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



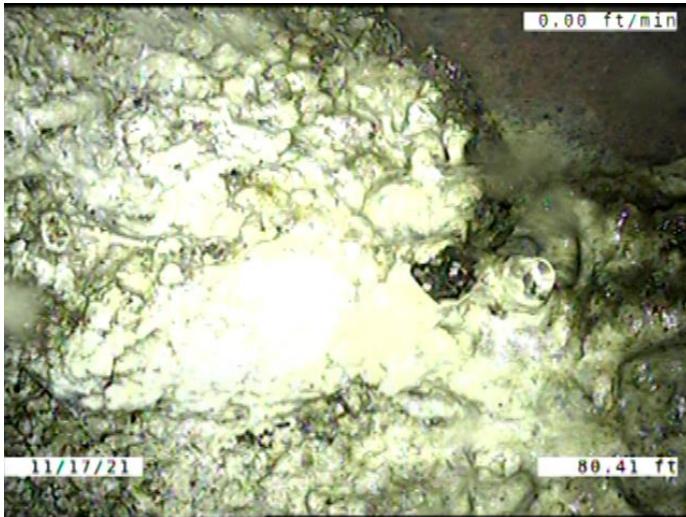
Code: **TFD**
Description: **Tap Factory Defective**

Distance (ft): **78.9**
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: **BROKEN. OFFSET. ROOTS GROWING FROM THE JOINT.**



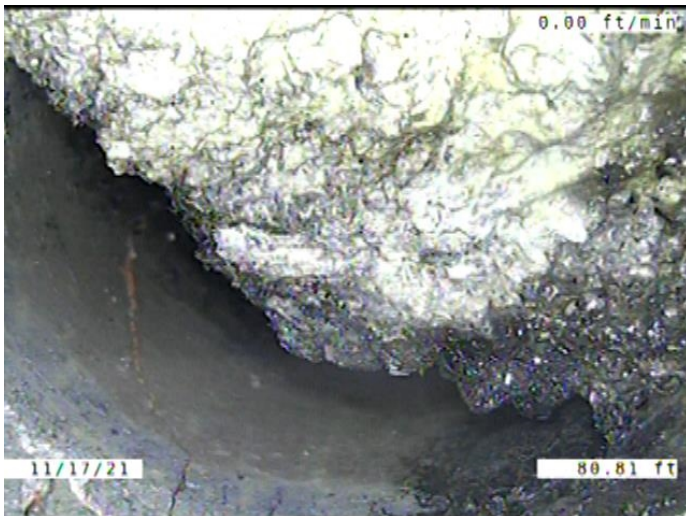
Code: **B**
Description: **Broken**

Distance (ft): **80.0**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **5**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



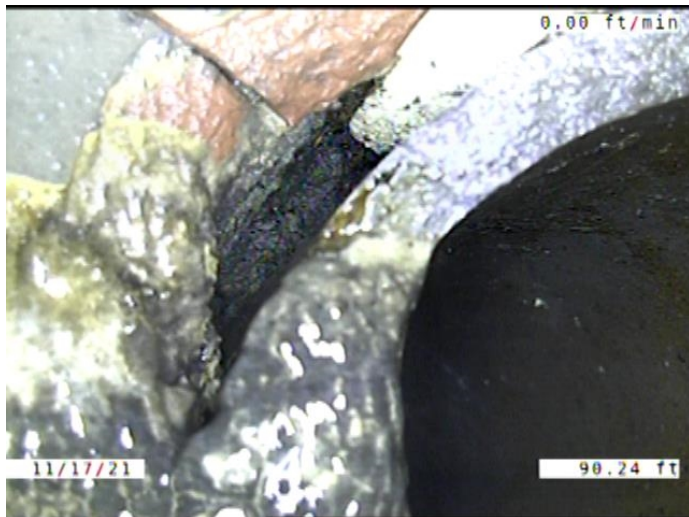
Code: **IDC**
 Description: **Infiltration Dripper Connection**

Distance (ft): **80.4**
 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:



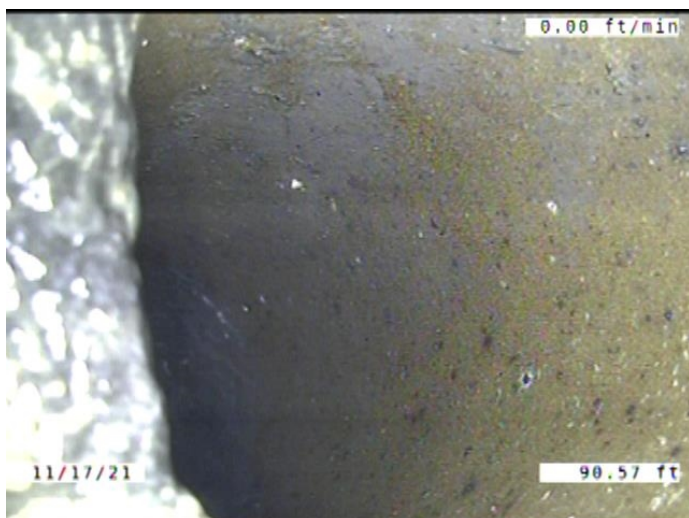
Code: **TFD**
 Description: **Tap Factory Defective**

Distance (ft): **80.8**
 Structural Grade: **0**
 O&M Grade: **3**
 Clock Start/From: **1**
 Clock To:
 1st Value: **4.000**
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks: **BROKEN. 85% PLUGGED WITH ENCRUSTATION.**



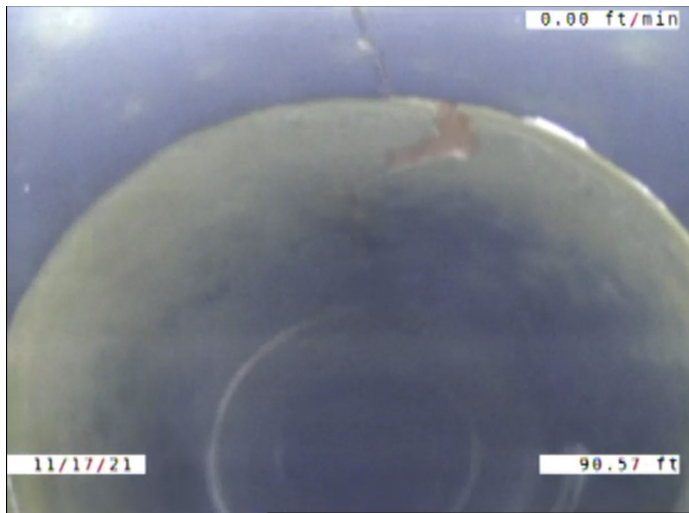
Code: **BSV**
 Description: **Broken Soil Visible**

Distance (ft): **90.2**
 Structural Grade: **5**
 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:



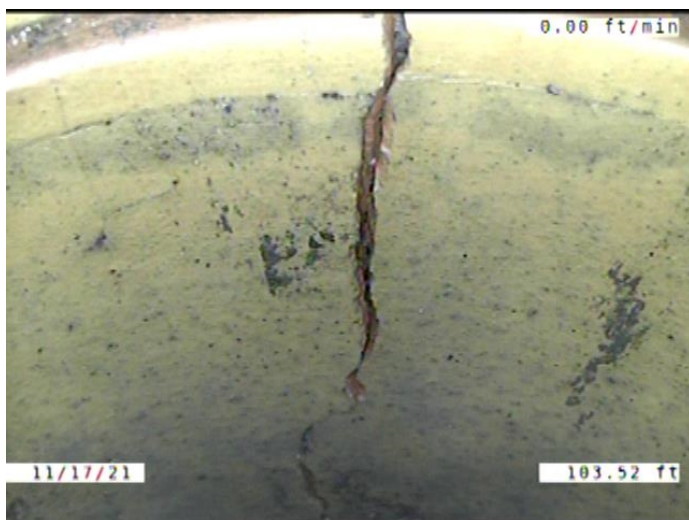
Code: **TBI**
 Description: **Tap Break-in Intruding**

Distance (ft): **90.6**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **11**
 Clock To:
 1st Value: **4.000**
 2nd Value: **1.000**
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks: **CONSTANTLY RUNNING WATER.**



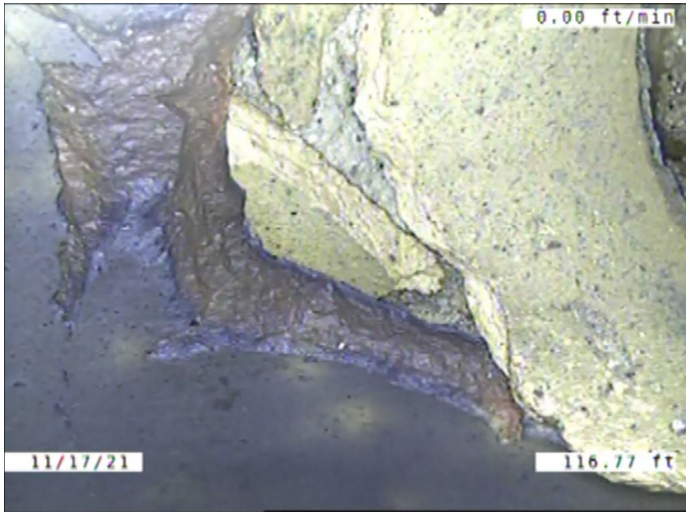
Code: **SSS**
 Description: **Surface Damage Surface Spalling**

Distance (ft): **90.6**
 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:



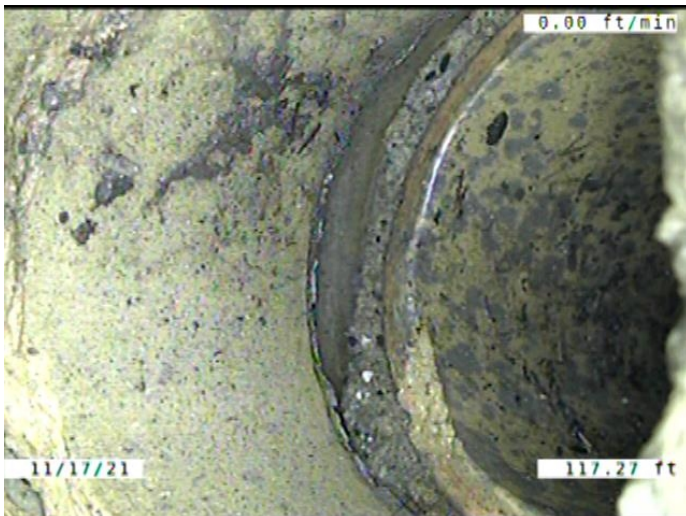
Code: **DR**
 Description: **Deformed Rigid**

Distance (ft): **103.5**
 Structural Grade: **4**
 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:



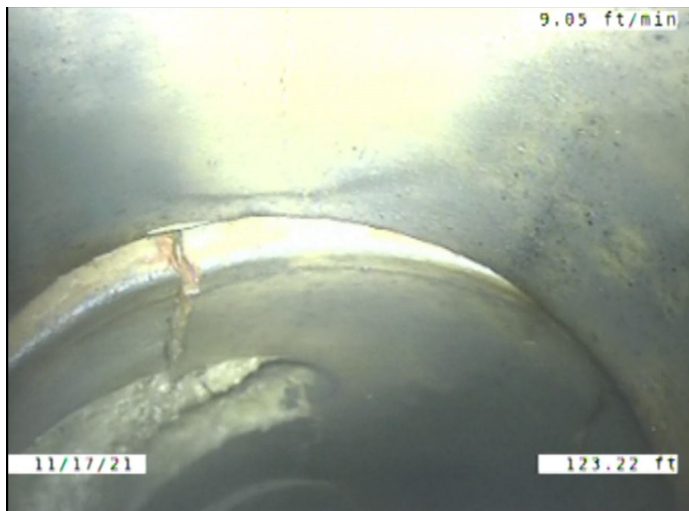
Code: **SSS**
 Description: **Surface Damage Surface Spalling**

Distance (ft): **116.8**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From: **1**
 Clock To: **3**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks:



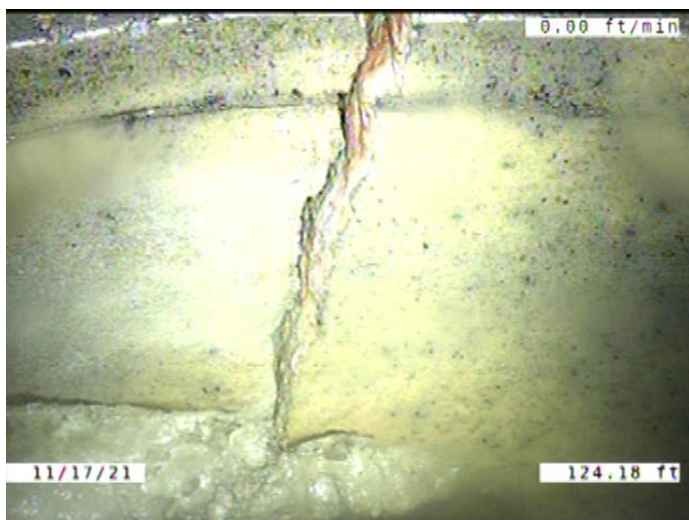
Code: **TBI**
 Description: **Tap Break-in Intruding**

Distance (ft): **117.3**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **1**
 Clock To:
 1st Value: **4.000**
 2nd Value: **2.000**
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks: **ANGLED JOINT. ENCRUSTATION
 COMING OUT OF THE TAP AND INTO**



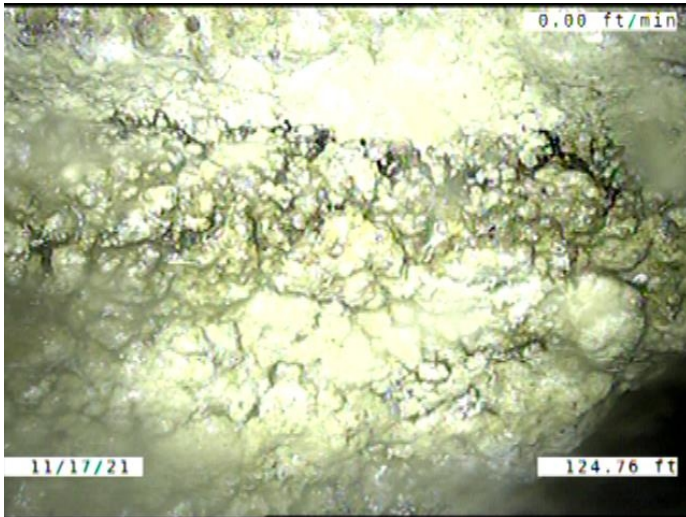
Code: **B**
 Description: **Broken**

Distance (ft): **123.2**
 Structural Grade: **4**
 O&M Grade: **0**
 Clock Start/From: **12**
 Clock To:
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:

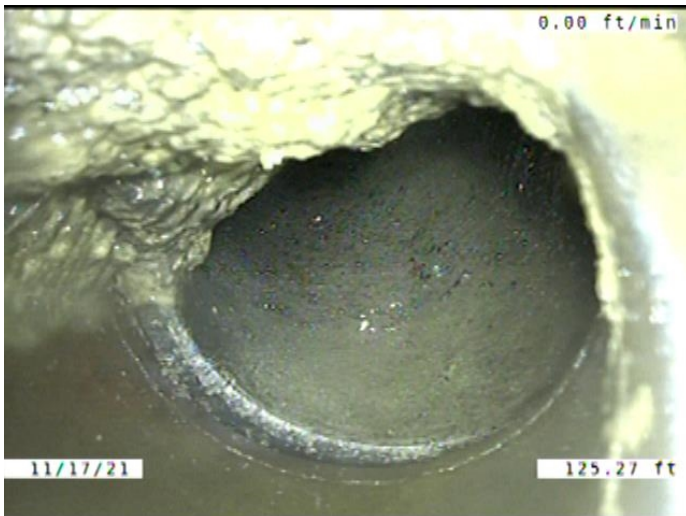


Code: **DR**
 Description: **Deformed Rigid**

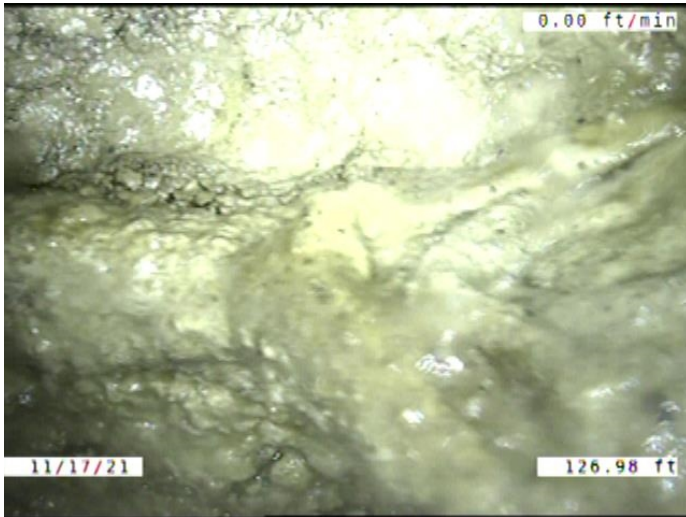
Distance (ft): **124.2**
 Structural Grade: **4**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks:



Code:	DAE
Description:	Deposits Attached Encrustation
Distance (ft):	124.8
Structural Grade:	0
O&M Grade:	2
Clock Start/From:	10
Clock To:	12
1st Value:	
2nd Value:	
Value Percent:	10.000
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	

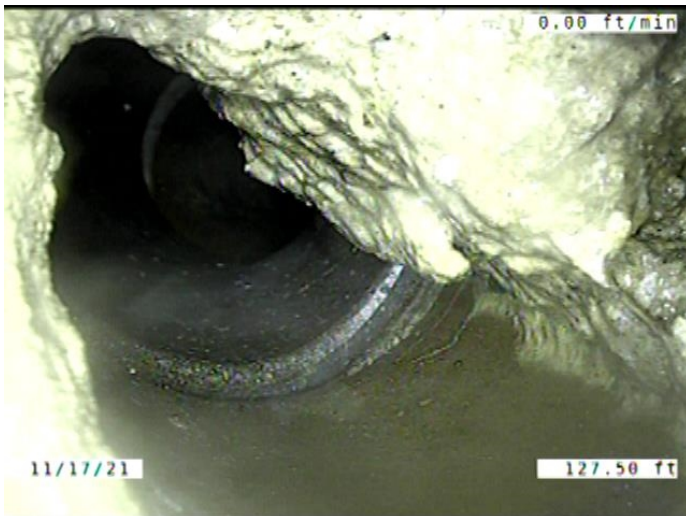


Code:	TFD
Description:	Tap Factory Defective
Distance (ft):	125.3
Structural Grade:	0
O&M Grade:	3
Clock Start/From:	11
Clock To:	
1st Value:	4.000
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	BROKEN. ENCRUSTATION COMING OUT OF THE TAP INTO THE MAIN.



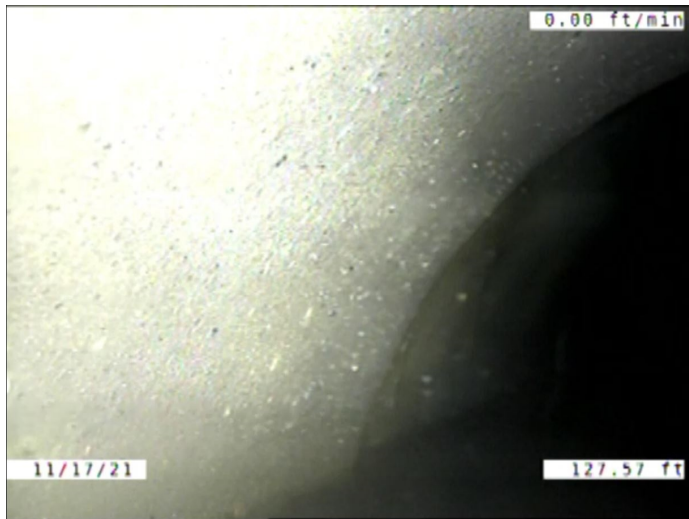
Code: **DAE**
 Description: **Deposits Attached Encrustation**

Distance (ft): **127.0**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **12**
 Clock To: **3**
 1st Value:
 2nd Value:
 Value Percent: **10.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



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

Distance (ft): **127.5**
 Structural Grade: **0**
 O&M Grade: **3**
 Clock Start/From: **1**
 Clock To:
 1st Value: **4.000**
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks: **CONNECTION 50%+ PLUGGED WITH ENCRUSTATION**



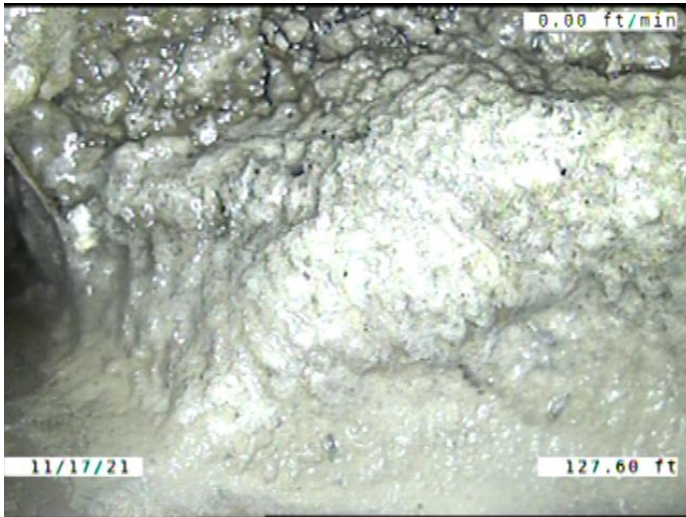
Code: **FM**
 Description: **Fracture Multiple**

Distance (ft): **127.6**
 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: **NO**
 Remarks:



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

Distance (ft): **127.6**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **7**
 Clock To: **5**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index: **F02**
 Within 8" of Joint: **YES**
 Remarks:



Code:	MSA
Description:	Miscellaneous Survey Abandoned
Distance (ft):	127.6
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:	M-605-042