

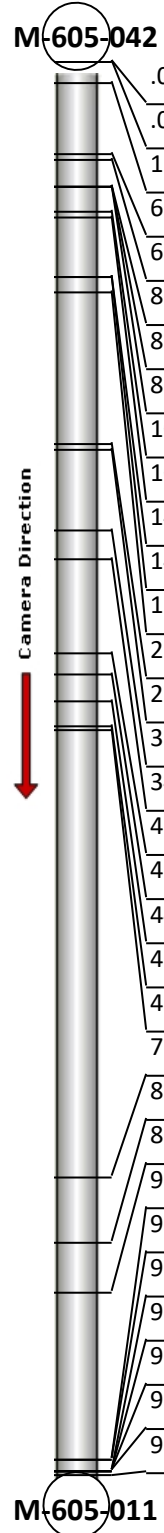
Profile/Photo Observation Report



Date:	11/18/2021	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:	Upstream
US MH:	M-605-011	DS MH:	M-605-042
		Total Length Surveyed (ft):	98.0

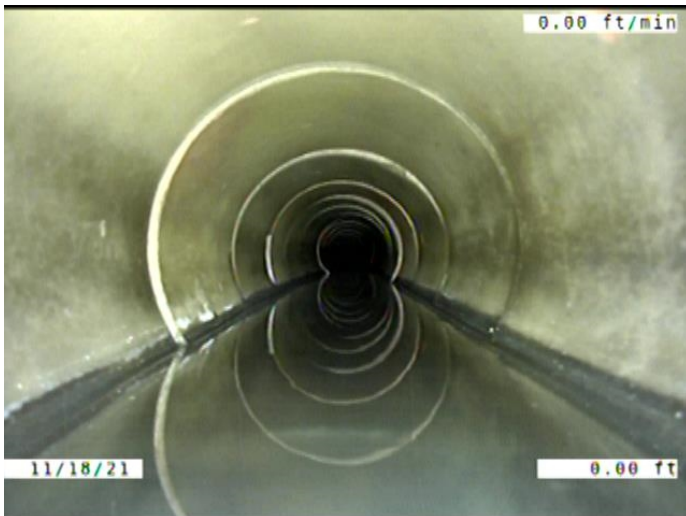
O&M Index:	2.06	O&M Quick:	322D	O&M Rating:	64.00
Structural Index:	3.42	Structural Quick:	514A	Structural Rating:	106.00
Overall Index:	2.74	Overall Quick:	514A	Overall Rating:	170.00

	Position	Code	Observation	Video (sec)	Grade
	M-605-042				
	.0	AMH	Manhole	1	NA
	.0	MWL	Miscellaneous Water Level	13	NA
	1.5	MGO	Miscellaneous General Observation	22	NA
	6.4	CM	Crack Multiple	64	S 3
	6.8	SZ	Surface Damage Other	83	NA
	8.6	SZ	Surface Damage Other	113	NA
	8.6	CM	Crack Multiple	155	S 3
	8.6	DAE	Deposits Attached Encrustation	174	M 2
	10.4	JOMD	Joint Offset Medium Defective	199	S 3
	10.8	CM	Crack Multiple	232	S 3
	14.9	JOMD	Joint Offset Medium Defective	272	S 3
	14.9	CM	Crack Multiple	294	S 3
	16.0	CM(S01)	Crack Multiple	339	S 3
	26.5	FM(S02)	Fracture Multiple	452	S 4
	26.9	DAE(S03)	Deposits Attached Encrustation	482	M 2
	32.5	DAE(S04)	Deposits Attached Encrustation	539	M 2
	34.5	CM(F01)	Crack Multiple	563	S 3
	41.0	JOMD	Joint Offset Medium Defective	601	S 3
	42.5	TF	Tap Factory	622	NA
	44.4	TF	Tap Factory	649	NA
	46.1	BSV	Broken Soil Visible	702	S 5
	46.3	TBD	Tap Break-in/Hammer Defective	721	M 3
	77.4	JOMD	Joint Offset Medium Defective	856	S 3
	81.9	MWLS(S05)	Miscellaneous Water Level Sag	895	S 2
	85.3	JOMD	Joint Offset Medium Defective	926	S 3
	97.0	TFD	Tap Factory Defective	1019	M 3
	97.0	DAE	Deposits Attached Encrustation	1035	M 2
	97.7	FM(F02)	Fracture Multiple	1069	S 4
	97.7	DAE(F03)	Deposits Attached Encrustation	1077	M 2
	97.7	DAE(F04)	Deposits Attached Encrustation	1085	M 2
	97.7	MWLS(F05)	Miscellaneous Water Level Sag	1093	S 2
	98.0	MSA	Miscellaneous Survey Abandoned	1102	NA
	M-605-011				



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-605-042**



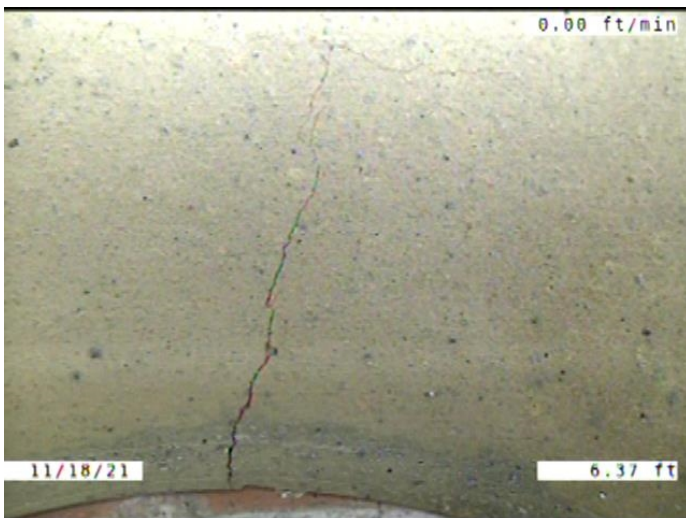
Code: **MWL**
Description: **Miscellaneous Water Level**

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:



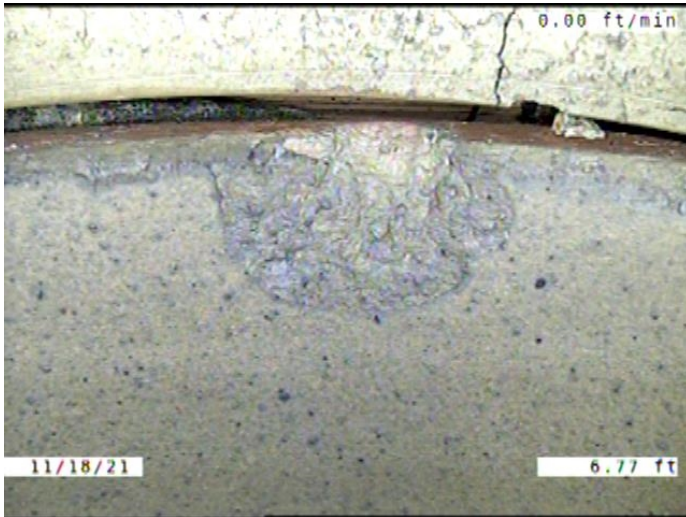
Code: **MGO**
 Description: **Miscellaneous General Observation**

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: **NOT ENOUGH ROOM ON THE BENCH. HAD TO START IN THE PIPE.**



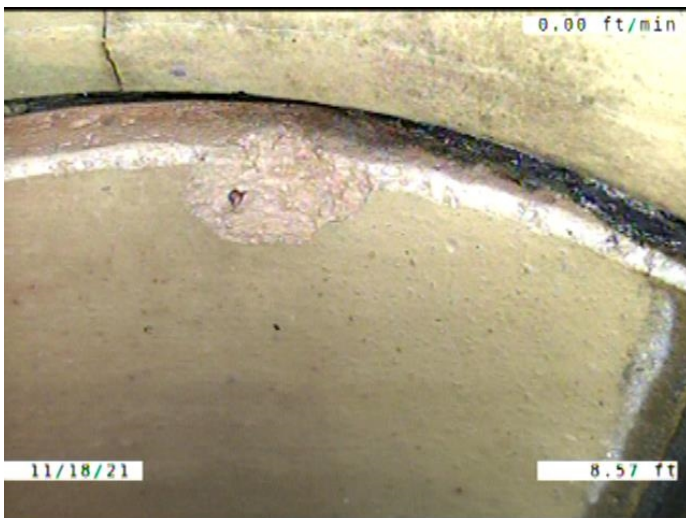
Code: **CM**
 Description: **Crack Multiple**

Distance (ft): **6.4**
 Structural Grade: **3**
 O&M Grade: **0**
 Clock Start/From: **1**
 Clock To: **2**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



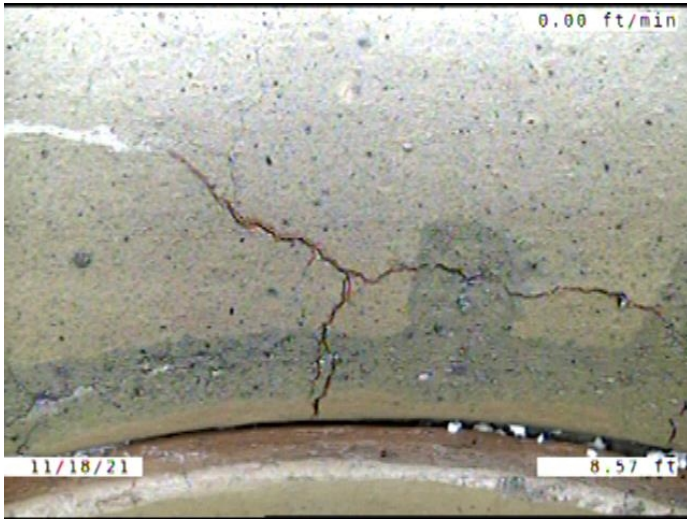
Code: **SZ**
Description: **Surface Damage Other**

Distance (ft): **6.8**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **1**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks: **A PIECE CHIPPED AWAY FROM THE JOINT**



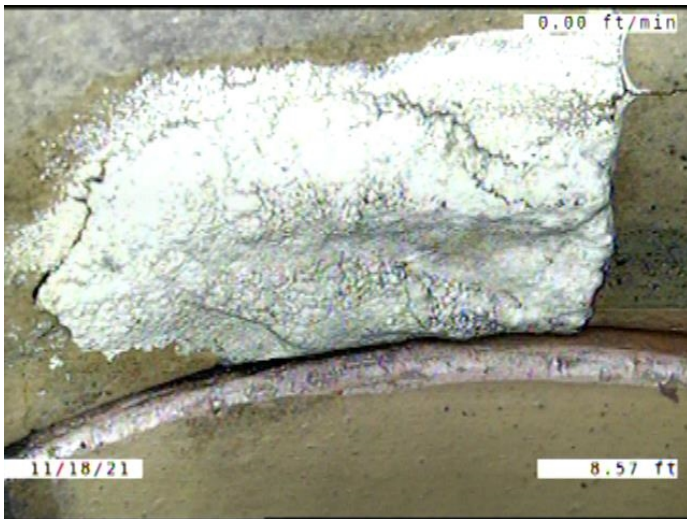
Code: **SZ**
Description: **Surface Damage Other**

Distance (ft): **8.6**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **2**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks: **A PIECE CHIPPED AWAY FROM THE JOINT**



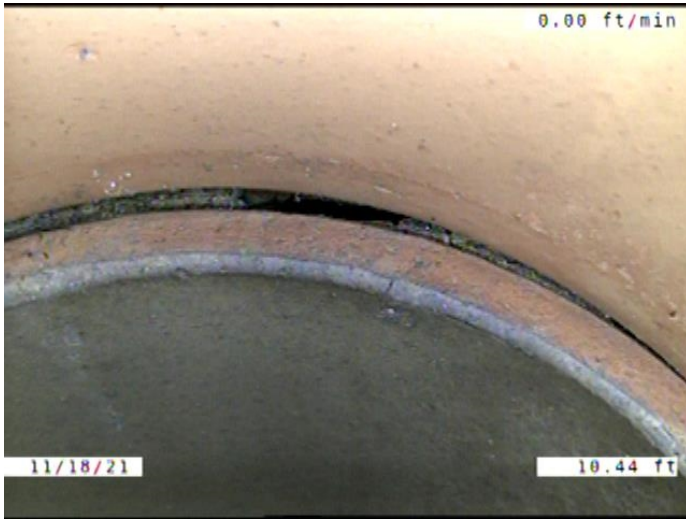
Code: **CM**
Description: **Crack Multiple**

Distance (ft): **8.6**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From: **9**
Clock To: **4**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



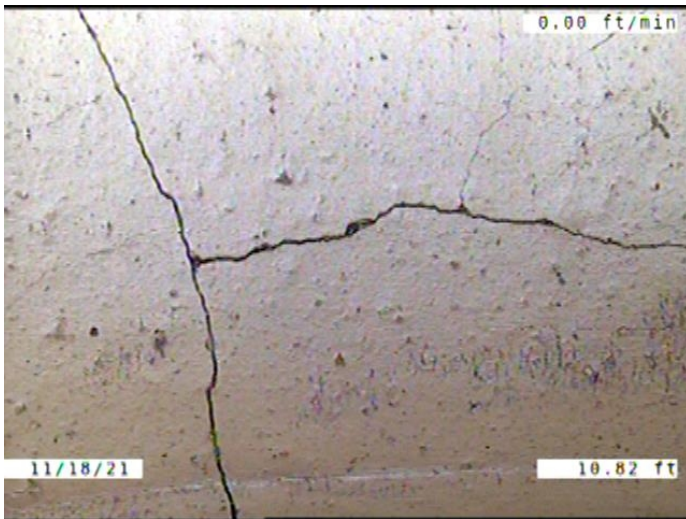
Code: **DAE**
Description: **Deposits Attached Encrustation**

Distance (ft): **8.6**
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:



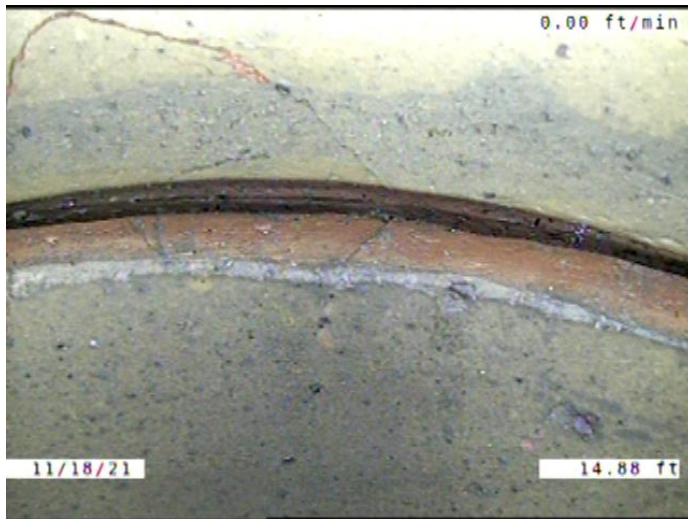
Code: **JOMD**
Description: **Joint Offset Medium Defective**

Distance (ft): **10.4**
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: **SOIL VISIBLE**



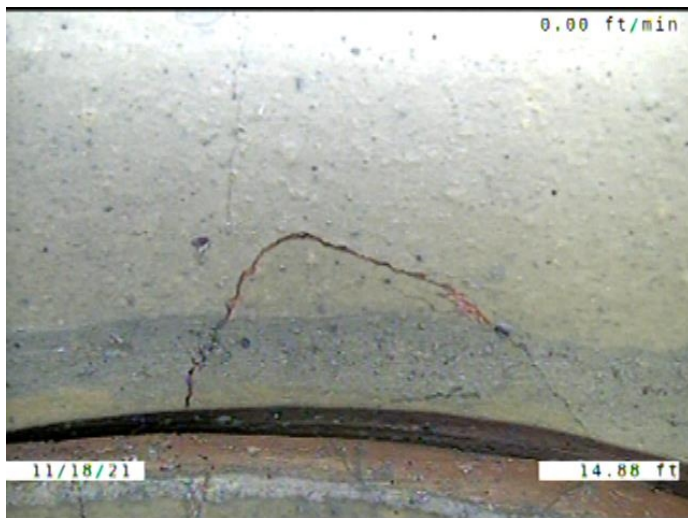
Code: **CM**
Description: **Crack Multiple**

Distance (ft): **10.8**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From: **10**
Clock To: **1**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



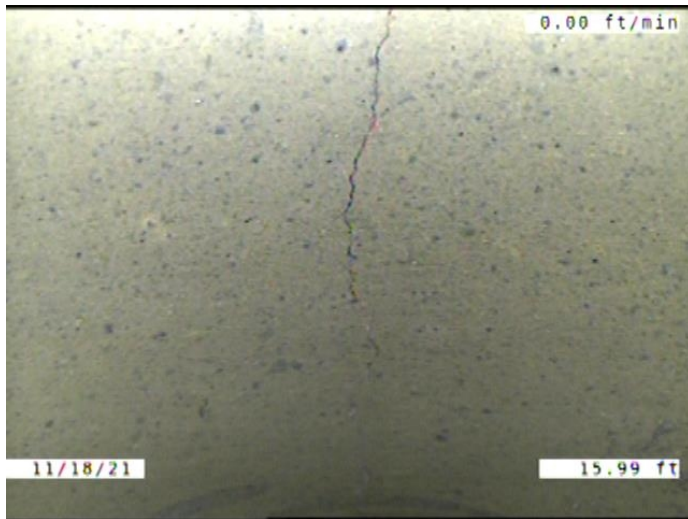
Code: **JOMD**
 Description: **Joint Offset Medium Defective**

Distance (ft): **14.9**
 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:



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

Distance (ft): **14.9**
 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:



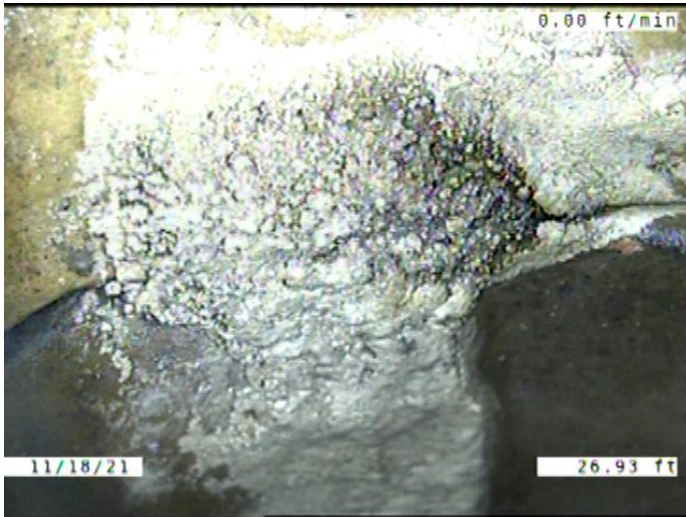
Code: **CM**
Description: **Crack Multiple**

Distance (ft): **16.0**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From: **11**
Clock To: **1**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **S01**
Within 8" of Joint: **YES**
Remarks:



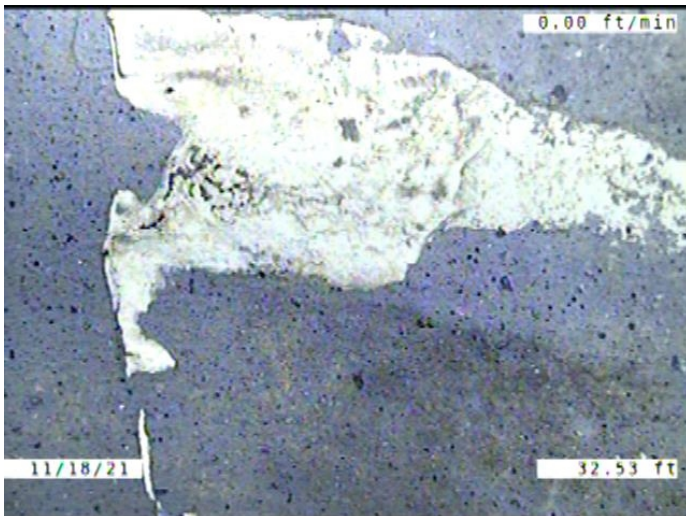
Code: **FM**
Description: **Fracture Multiple**

Distance (ft): **26.5**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **12**
Clock To: **12**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **S02**
Within 8" of Joint: **YES**
Remarks:



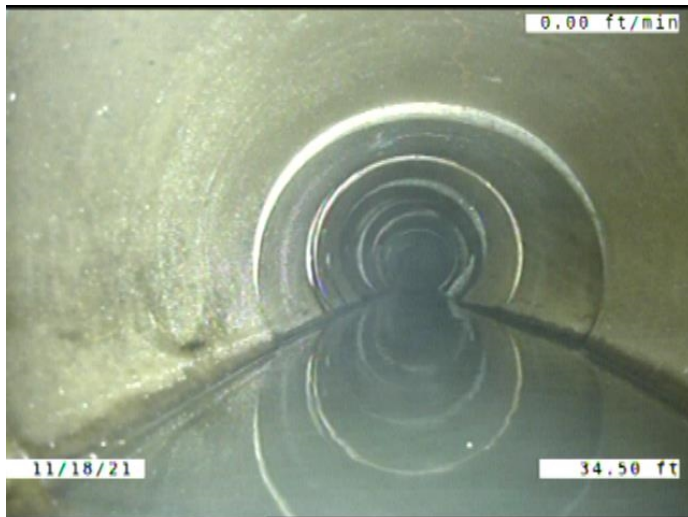
Code: **DAE**
 Description: **Deposits Attached Encrustation**

Distance (ft): **26.9**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **7**
 Clock To: **12**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index: **S03**
 Within 8" of Joint: **YES**
 Remarks:



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

Distance (ft): **32.5**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **1**
 Clock To: **5**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index: **S04**
 Within 8" of Joint: **YES**
 Remarks:



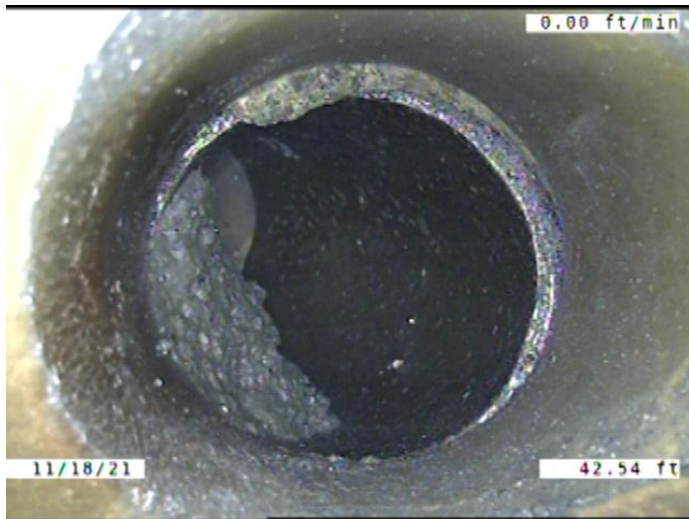
Code: **CM**
 Description: **Crack Multiple**

Distance (ft): **34.5**
 Structural Grade: **3**
 O&M Grade: **0**
 Clock Start/From: **11**
 Clock To: **1**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index: **F01**
 Within 8" of Joint: **YES**
 Remarks:



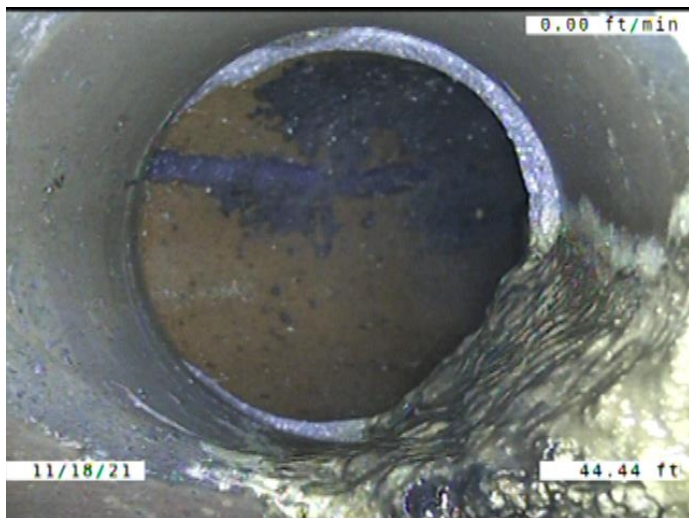
Code: **JOMD**
 Description: **Joint Offset Medium Defective**

Distance (ft): **41.0**
 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:



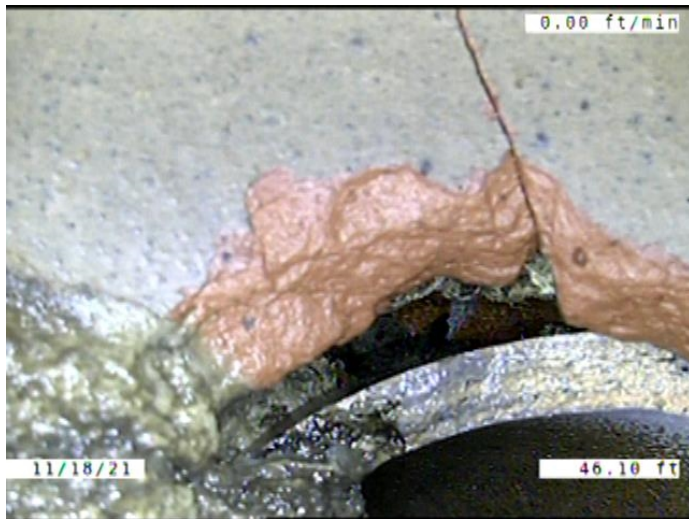
Code: **TF**
Description: **Tap Factory**

Distance (ft): **42.5**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **11**
Clock To:
1st Value: **4.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks: **OFFSET. ENCRUSTATION AROUND THE JOINT.**



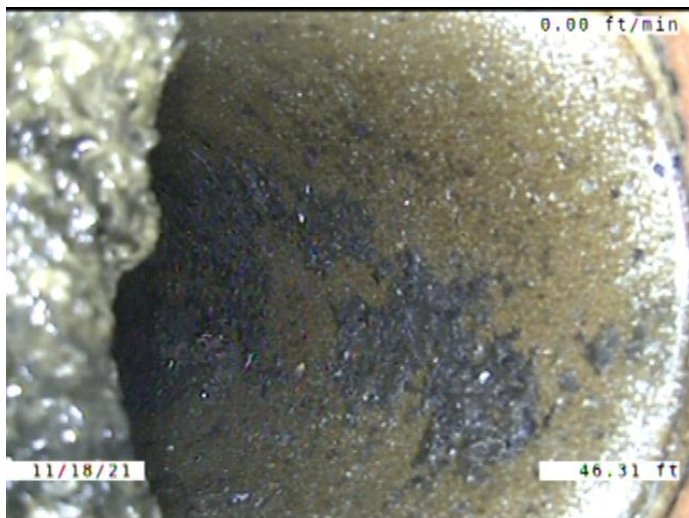
Code: **TF**
Description: **Tap Factory**

Distance (ft): **44.4**
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 COMING OUT OF THE TAP INTO THE MAIN.**



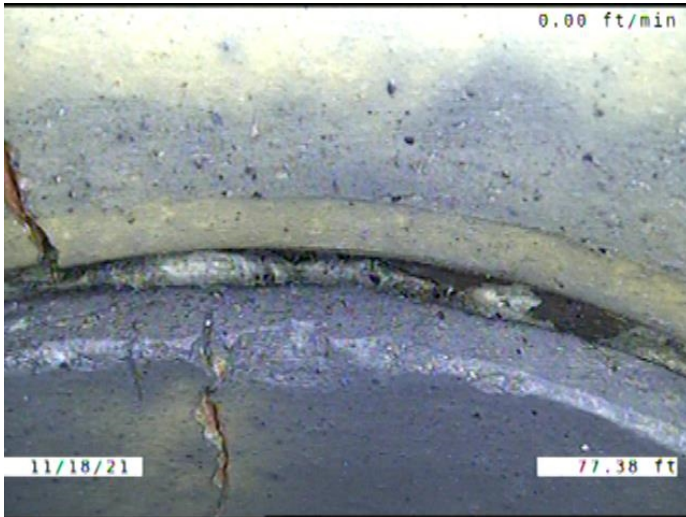
Code: **BSV**
 Description: **Broken Soil Visible**

Distance (ft): **46.1**
 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:



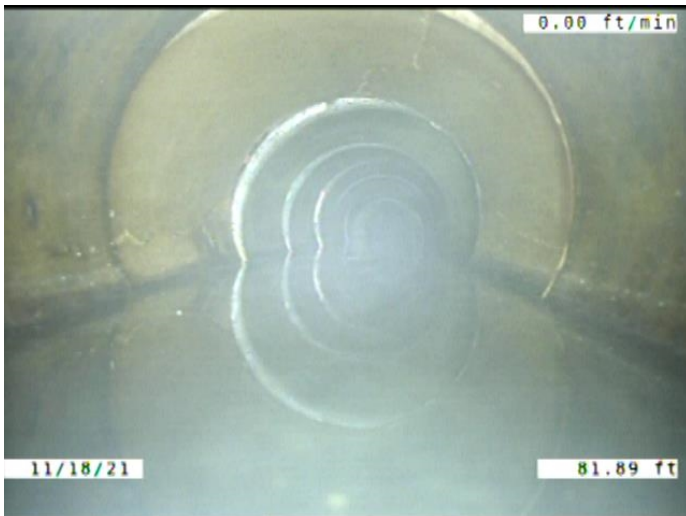
Code: **TBD**
 Description: **Tap Break-in/Hammer Defective**

Distance (ft): **46.3**
 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: **ENCrustATION COMING OUT OF THE TAP INTO THE MAIN.**



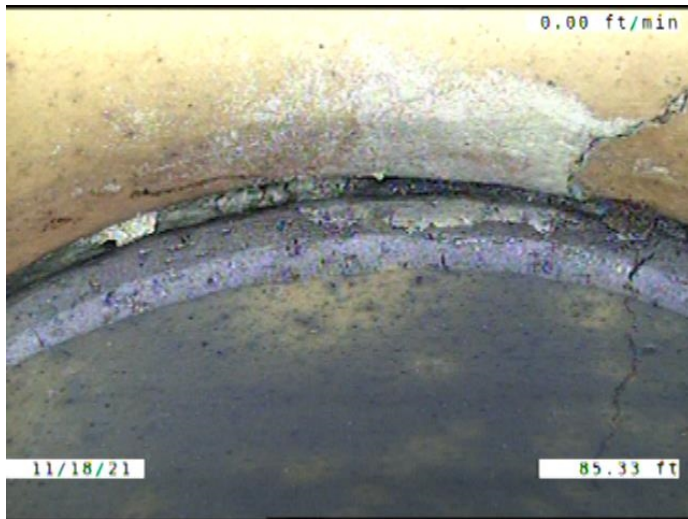
Code: **JOMD**
 Description: **Joint Offset Medium Defective**

Distance (ft): **77.4**
 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:



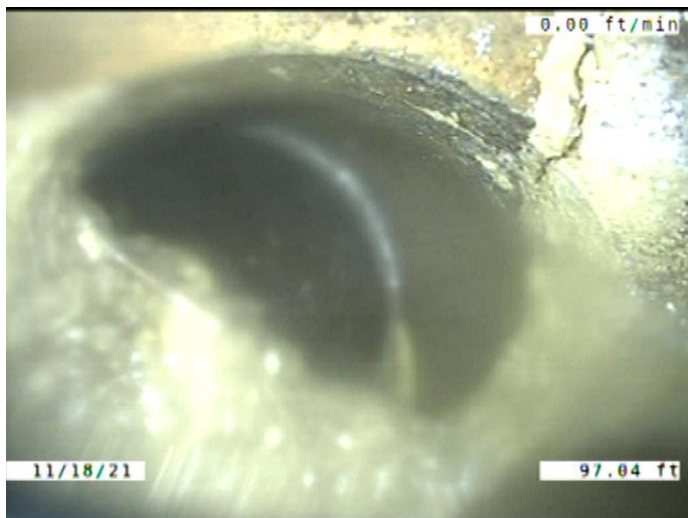
Code: **MWLS**
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **81.9**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **15.000**
 Continuous Index: **S05**
 Within 8" of Joint: **NO**
 Remarks:



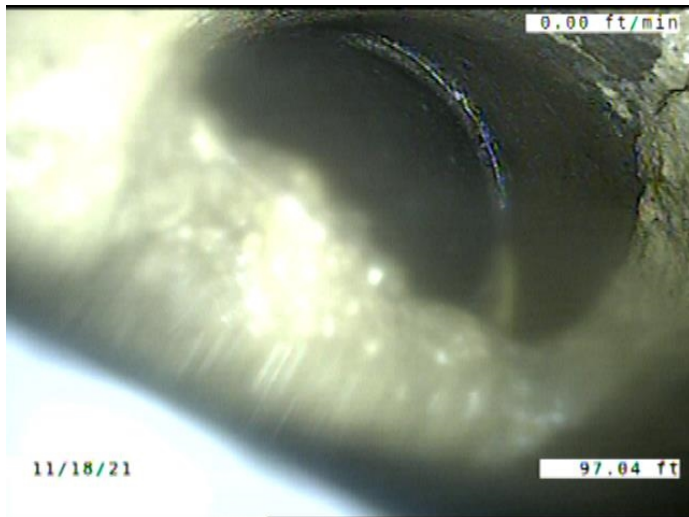
Code: **JOMD**
 Description: **Joint Offset Medium Defective**

Distance (ft): **85.3**
 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:



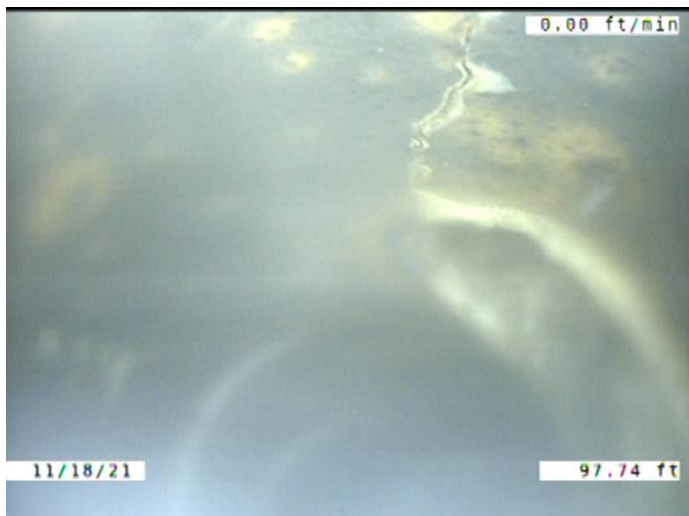
Code: **TFD**
 Description: **Tap Factory Defective**

Distance (ft): **97.0**
 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: **BROKEN. ENCRUSTATION COMING OUT OF THE TAP INTO THE MAIN.**



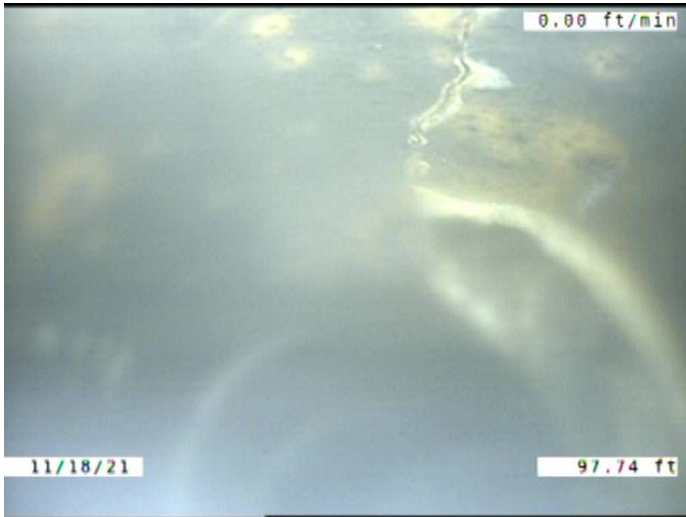
Code: **DAE**
 Description: **Deposits Attached Encrustation**

Distance (ft): **97.0**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **9**
 Clock To: **11**
 1st Value:
 2nd Value:
 Value Percent: **10.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



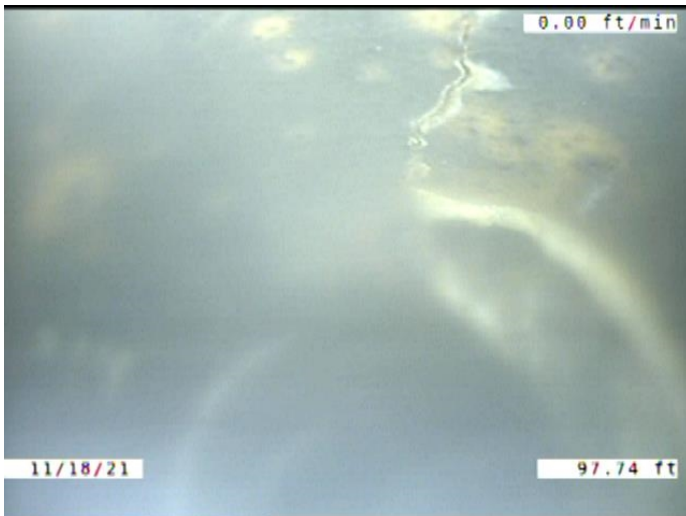
Code: **FM**
 Description: **Fracture Multiple**

Distance (ft): **97.7**
 Structural Grade: **4**
 O&M Grade: **0**
 Clock Start/From: **12**
 Clock To: **12**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index: **F02**
 Within 8" of Joint: **YES**
 Remarks:



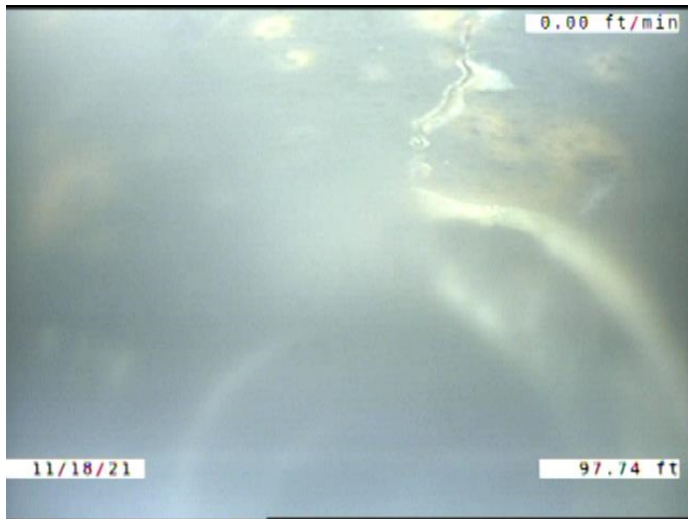
Code: **DAE**
Description: **Deposits Attached Encrustation**

Distance (ft): **97.7**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **7**
Clock To: **12**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **F03**
Within 8" of Joint: **YES**
Remarks:



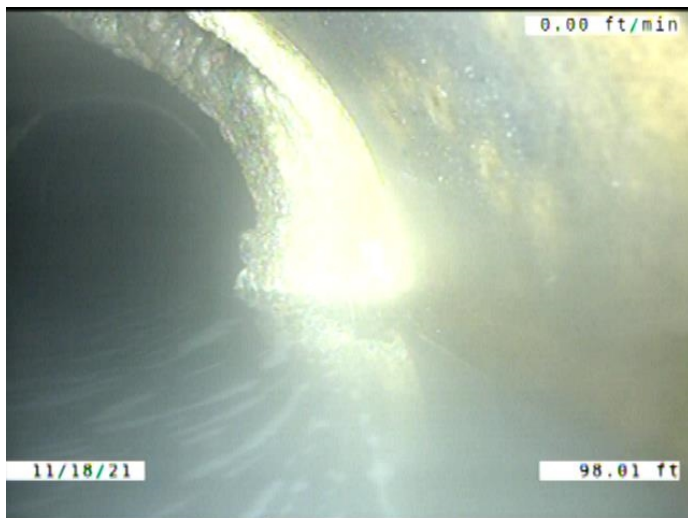
Code: **DAE**
Description: **Deposits Attached Encrustation**

Distance (ft): **97.7**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **1**
Clock To: **5**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **F04**
Within 8" of Joint: **YES**
Remarks:



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

Distance (ft): **97.7**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **15.000**
 Continuous Index: **F05**
 Within 8" of Joint: **NO**
 Remarks:



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

Distance (ft): **98.0**
 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: **MADE IT TO THE POINT OF OVERLAP. REVERSAL COMPLETE.**