


Profile/Photo Observation Report

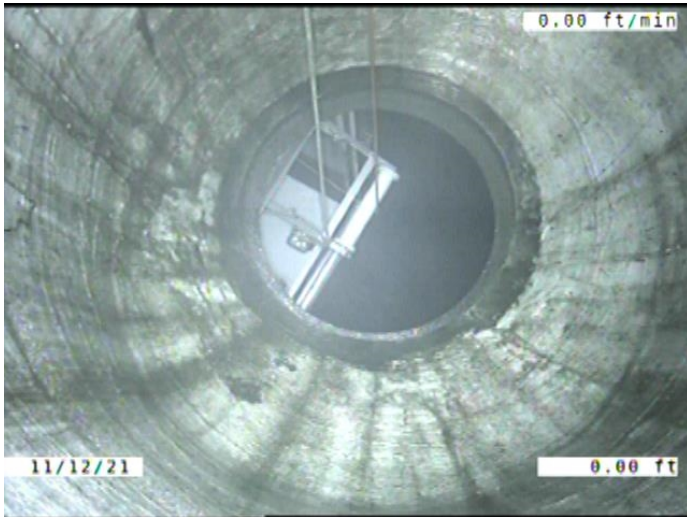


Date:	11/12/2021	Weather:		Coding:	PACP 7.0
Pipe Length (ft):	317.0	Owner:	City of Hobart	Pre Clean:	Heavy Cleaning
P.O.#:	YES502259	Surveyor:	Steven Bucklin	PSR:	P-604-005-004
Customer:	City of Hobart, IN (Red	Clean Date:	11/12/2021	Shape:	C

Street:	Willow Place	Flow Control:	Not Controlled
City:	City of Hobart	Year Renewed:	
Location:	Local rural streets with light traffic, t	Tape/Media #:	
Purpose:	Routine Assessment	Dia/Height:	8"
Use:	Sanitary Sewage Pipe	Material:	CP
Drain Area:		Lining:	None
Category:	NA		
Comment:			
Location Details:		Direction of Survey:	Upstream
US MH:	M-604-004	DS MH:	M-604-005
		Total Length Surveyed (ft):	231.7

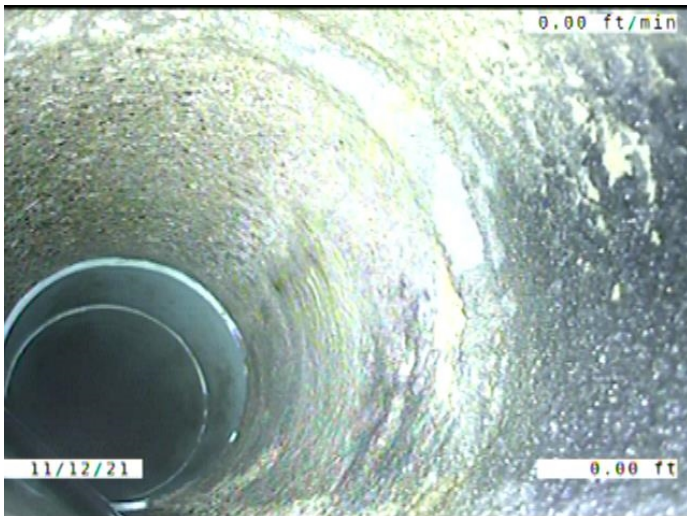
O&M Index:	2.04	O&M Quick:	322H	O&M Rating:	96.00
Structural Index:	2.39	Structural Quick:	4331	Structural Rating:	43.00
Overall Index:	2.14	Overall Quick:	4333	Overall Rating:	139.00

	Position	Code	Observation	Video (sec)	Grade
M-604-005					
 Camera Direction	.0	AMH	Manhole	1	NA
	.0	MWL	Miscellaneous Water Level	68	NA
	2.4	DAE	Deposits Attached Encrustation	200	M 2
	2.4	MMC	Miscellaneous Material Change	212	NA
	6.7	MWLS	Miscellaneous Water Level Sag	257	S 2
	9.2	MMC	Miscellaneous Material Change	311	NA
	13.0	FC	Fracture Circumferential	412	S 2
	13.0	DAE	Deposits Attached Encrustation	423	M 2
	15.1	DAE(S01)	Deposits Attached Encrustation	480	M 2
	18.5	FM	Fracture Multiple	551	S 4
	21.6	FM	Fracture Multiple	638	S 4
	24.0	MWLS(S02)	Miscellaneous Water Level Sag	669	S 2
	34.5	MWLS(F02)	Miscellaneous Water Level Sag	731	S 2
	35.6	FM	Fracture Multiple	775	S 4
	47.5	CM	Crack Multiple	945	S 3
	83.0	TF	Tap Factory	1190	NA
	86.2	TF	Tap Factory	1237	NA
	113.8	MWLS(S03)	Miscellaneous Water Level Sag	1466	S 2
	131.6	MWLS(F03)	Miscellaneous Water Level Sag	1627	S 2
	151.6	TFD	Tap Factory Defective	1754	M 3
	155.1	TF	Tap Factory	1800	NA
	159.9	MWLS(S04)	Miscellaneous Water Level Sag	1880	S 2
	173.8	MWLS(F04)	Miscellaneous Water Level Sag	2019	S 2
	200.5	TF	Tap Factory	2212	NA
	203.4	TF	Tap Factory	2272	NA
	210.1	MWLS	Miscellaneous Water Level Sag	2317	S 2
	218.0	MWLS(S05)	Miscellaneous Water Level Sag	2374	S 2
	225.7	MWLS(F05)	Miscellaneous Water Level Sag	2437	S 2
	231.4	DAE(F01)	Deposits Attached Encrustation	2496	M 2
	231.7	IDJ	Infiltration Dripper Joint	2524	M 3
	231.7	MSA	Miscellaneous Survey Abandoned	2548	NA
M-604-004					



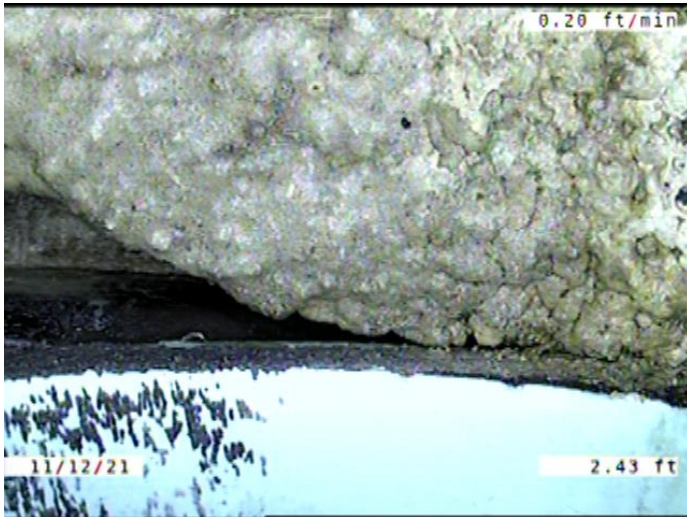
Code: **AMH**
Description: **Manhole**

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-604-005**



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

Distance (ft): **2.4**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **8**
 Clock To: **4**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:

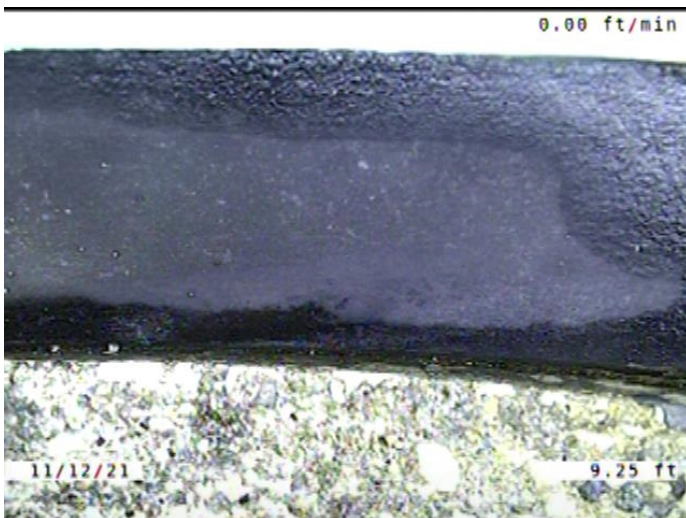


Code: **MMC**
 Description: **Miscellaneous Material Change**

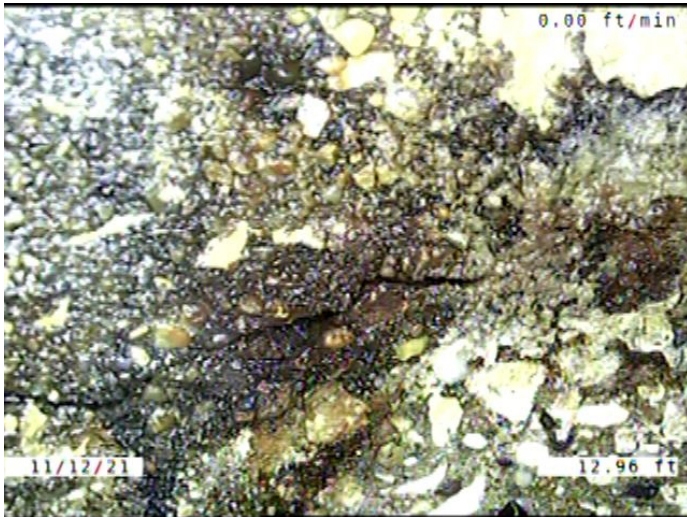
Distance (ft): **2.4**
 Structural Grade: **0**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks: **CONCRETE TO PVC**



Code:	MWLS
Description:	Miscellaneous Water Level Sag
Distance (ft):	6.7
Structural Grade:	2
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:	

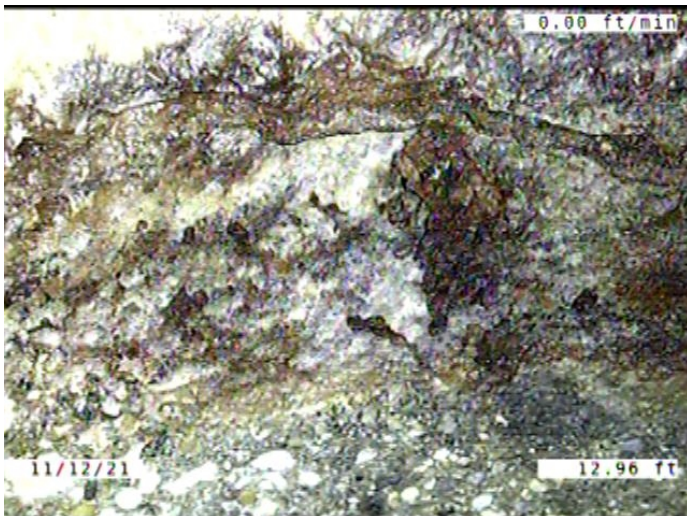


Code:	MMC
Description:	Miscellaneous Material Change
Distance (ft):	9.2
Structural Grade:	0
O&M Grade:	0
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	NO
Remarks:	PVC TO CONCRETE



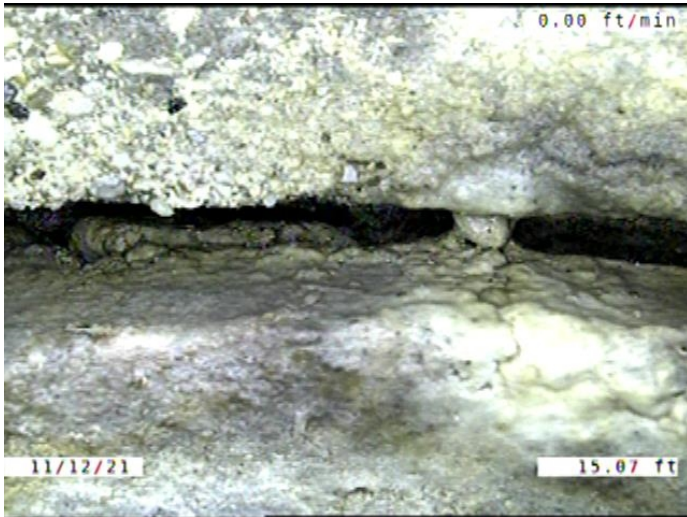
Code: **FC**
 Description: **Fracture Circumferential**

Distance (ft): **13.0**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From: **3**
 Clock To: **9**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks:



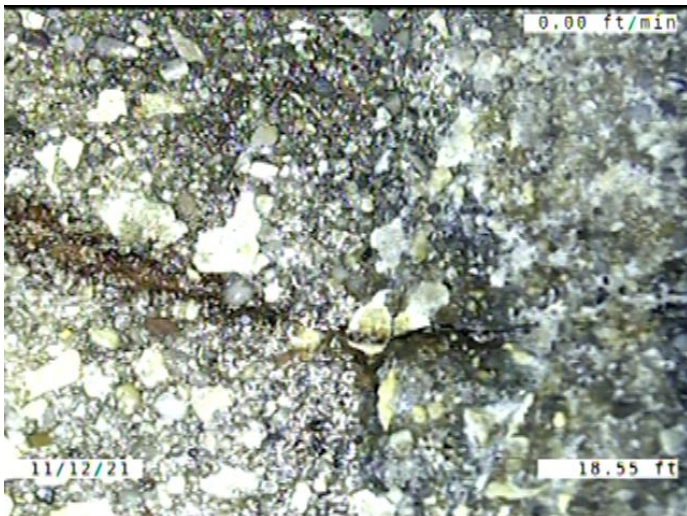
Code: **DAE**
 Description: **Deposits Attached Encrustation**

Distance (ft): **13.0**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **9**
 Clock To: **3**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks:



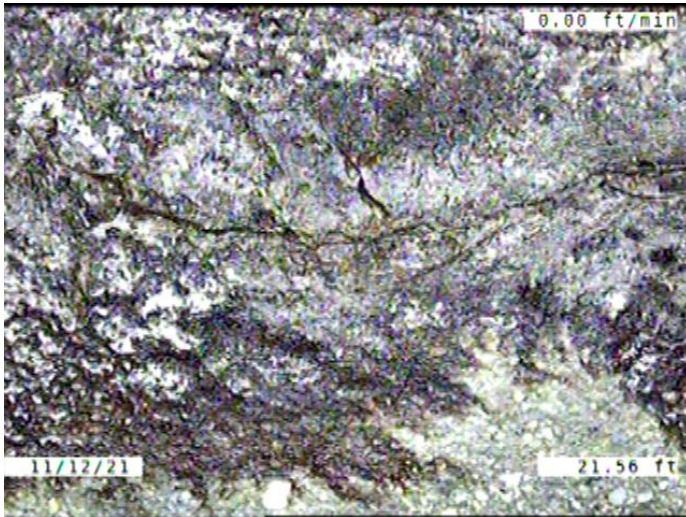
Code: **DAE**
 Description: **Deposits Attached Encrustation**

Distance (ft): **15.1**
 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:



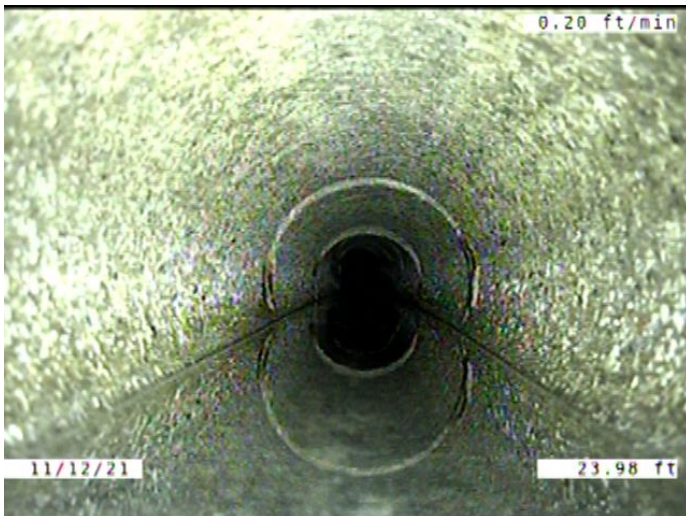
Code: **FM**
 Description: **Fracture Multiple**

Distance (ft): **18.5**
 Structural Grade: **4**
 O&M Grade: **0**
 Clock Start/From: **4**
 Clock To: **9**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks:



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

Distance (ft): **21.6**
 Structural Grade: **4**
 O&M Grade: **0**
 Clock Start/From: **10**
 Clock To: **3**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks:



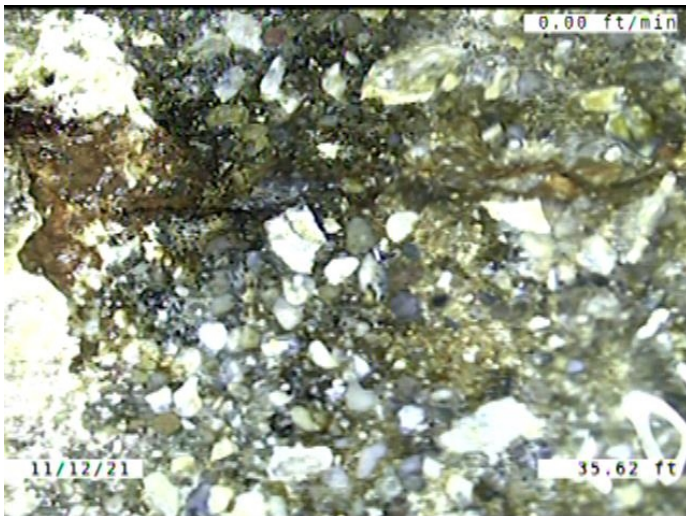
Code: **MWLS**
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **24.0**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **10.000**
 Continuous Index: **S02**
 Within 8" of Joint: **NO**
 Remarks:



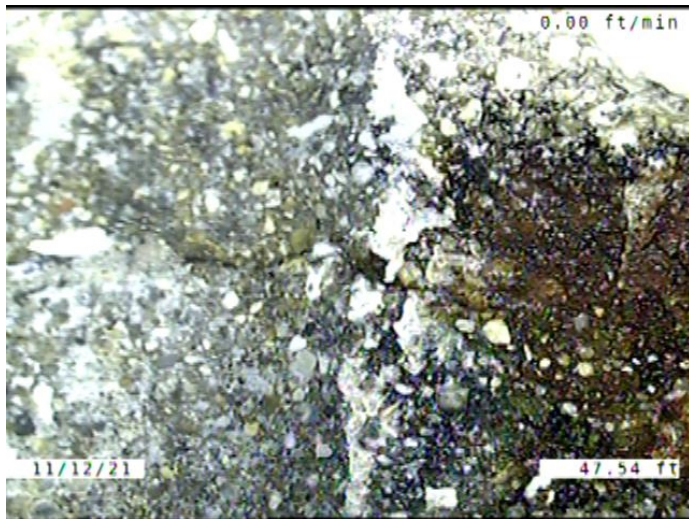
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **34.5**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **10.000**
Continuous Index: **F02**
Within 8" of Joint: **NO**
Remarks:



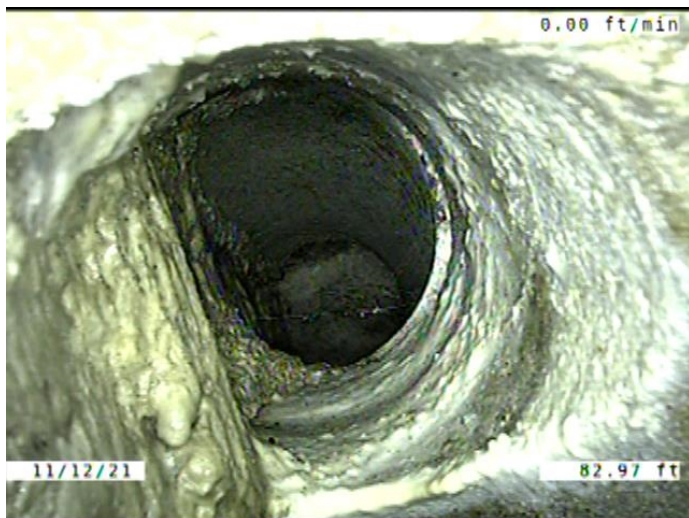
Code: **FM**
Description: **Fracture Multiple**

Distance (ft): **35.6**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **4**
Clock To: **8**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



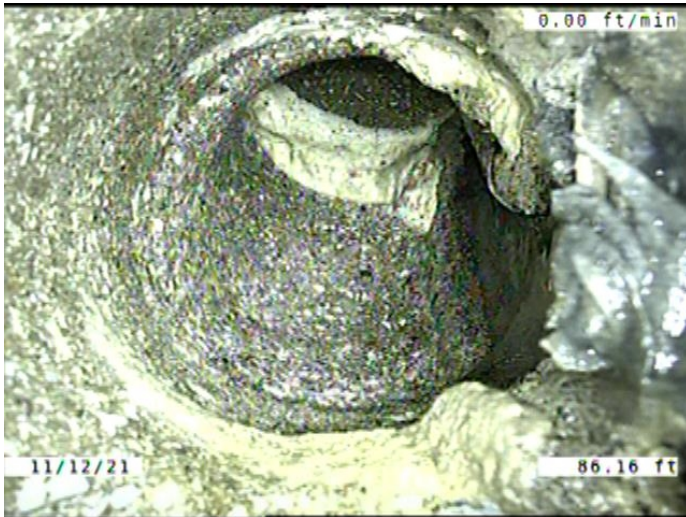
Code: **CM**
Description: **Crack Multiple**

Distance (ft): **47.5**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From: **4**
Clock To: **9**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



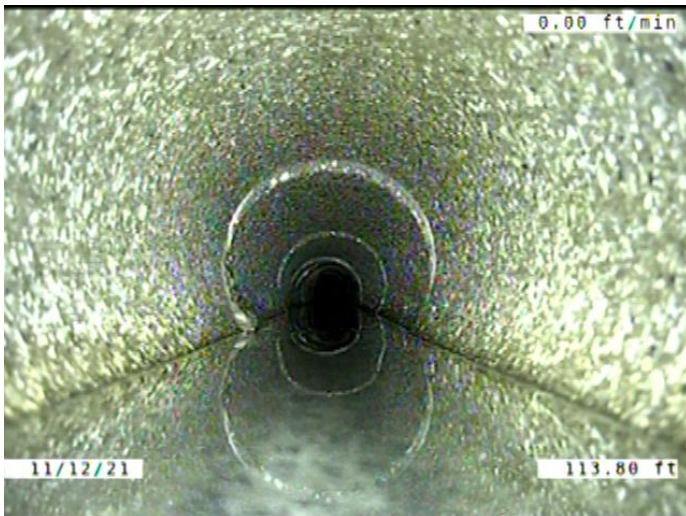
Code: **TF**
Description: **Tap Factory**

Distance (ft): **83.0**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **10**
Clock To:
1st Value: **6.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks: **ENCRUSTATION IN THE TAP**



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

Distance (ft): **86.2**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **2**
Clock To:
1st Value: **6.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks: **ENCRUSTATION AT THE JOINTS.**



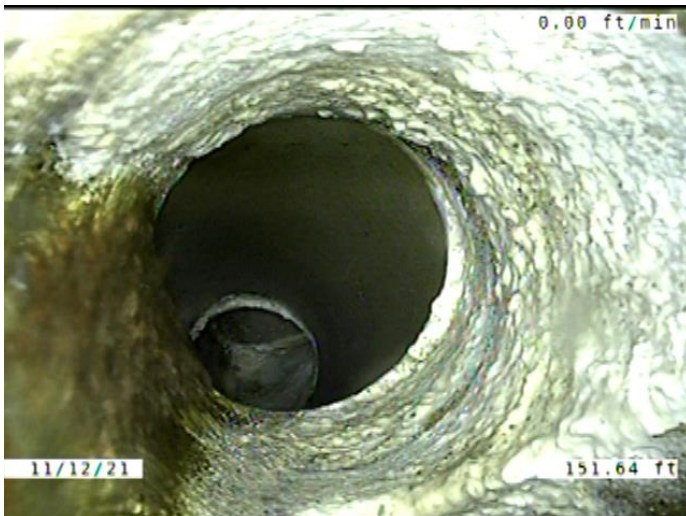
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **113.8**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **10.000**
Continuous Index: **S03**
Within 8" of Joint: **NO**
Remarks:



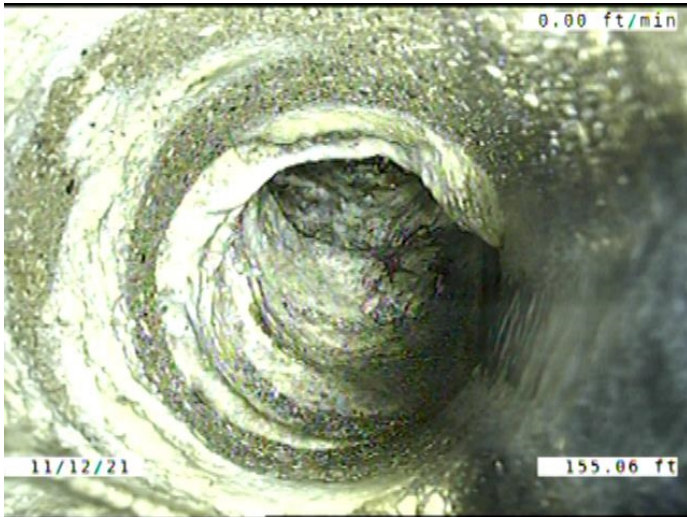
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **131.6**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **10.000**
Continuous Index: **F03**
Within 8" of Joint: **NO**
Remarks:

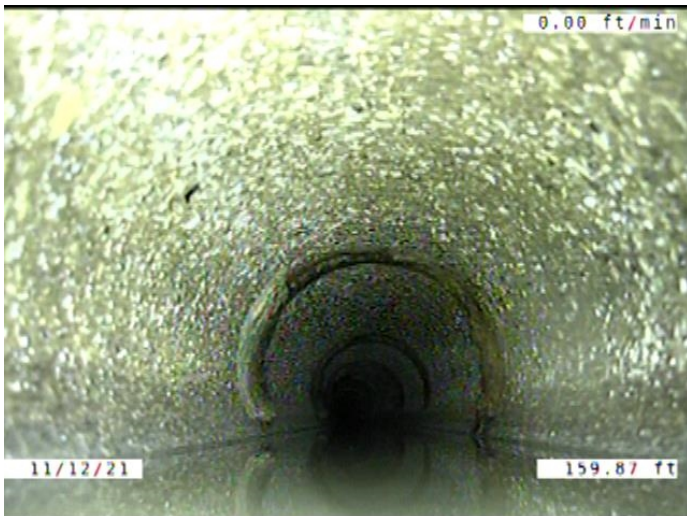


Code: **TFD**
Description: **Tap Factory Defective**

Distance (ft): **151.6**
Structural Grade: **0**
O&M Grade: **3**
Clock Start/From: **10**
Clock To:
1st Value: **6.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks: **LARGE AMOUNT OF WATER FLOW
CONSTANTLY. ENCRUSTATION ALL A**



Code:	TF
Description:	Tap Factory
Distance (ft):	155.1
Structural Grade:	0
O&M Grade:	0
Clock Start/From:	2
Clock To:	
1st Value:	6.000
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	ENCUSTATION ALL AROUND THE TAP.

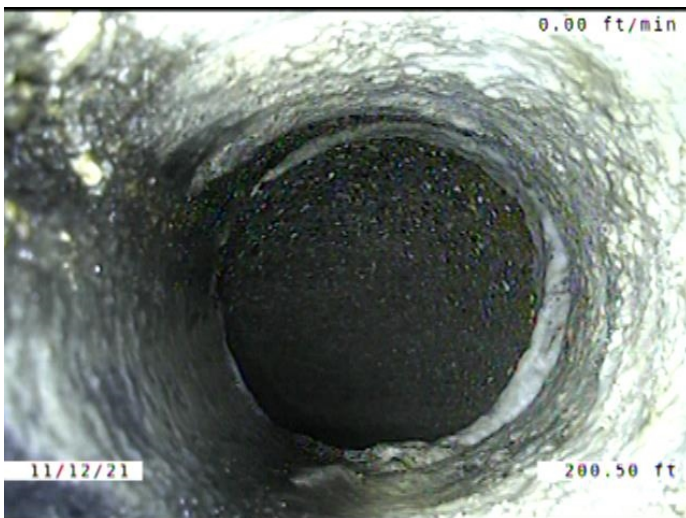


Code:	MWLS
Description:	Miscellaneous Water Level Sag
Distance (ft):	159.9
Structural Grade:	2
O&M Grade:	0
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	10.000
Continuous Index:	S04
Within 8" of Joint:	NO
Remarks:	



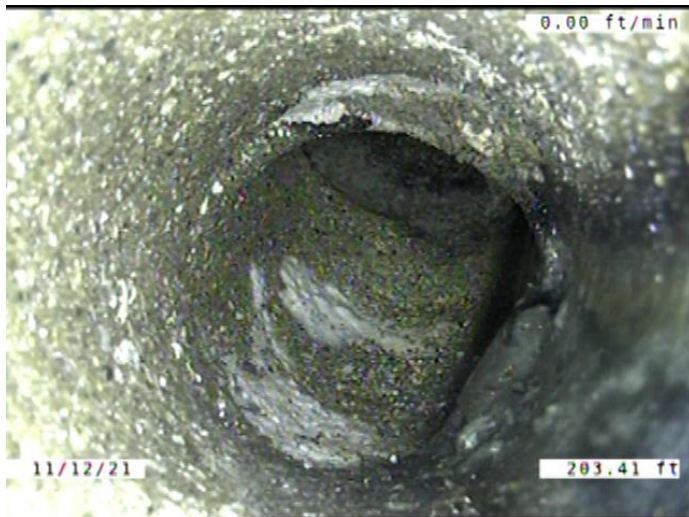
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **173.8**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **10.000**
Continuous Index: **F04**
Within 8" of Joint: **NO**
Remarks:



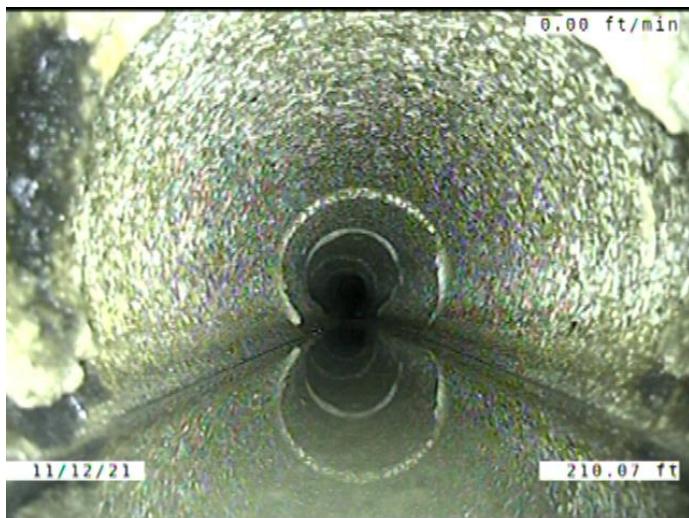
Code: **TF**
Description: **Tap Factory**

Distance (ft): **200.5**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **10**
Clock To:
1st Value: **4.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks: **ENCUSTATION ALL AROUND THE TAP.**



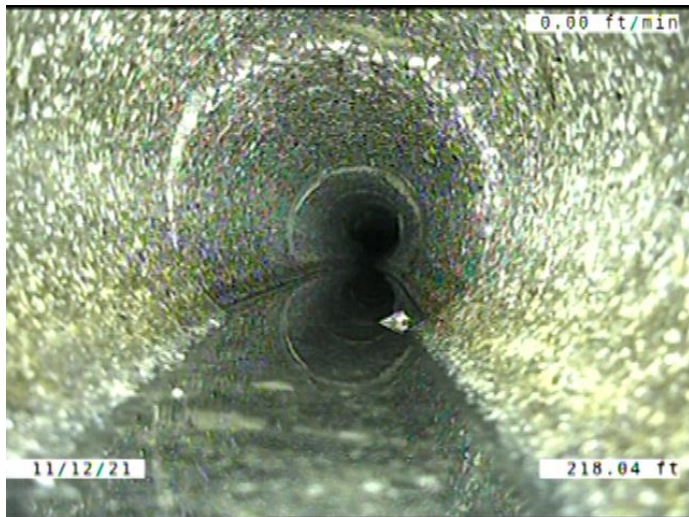
Code: **TF**
Description: **Tap Factory**

Distance (ft): **203.4**
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: **CONSTANTLY RUNNING WATER.**



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

Distance (ft): **210.1**
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:



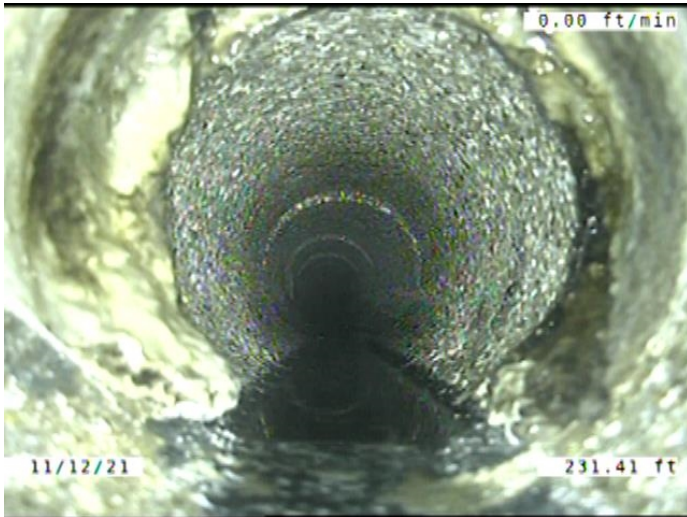
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **218.0**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **S05**
Within 8" of Joint: **NO**
Remarks:



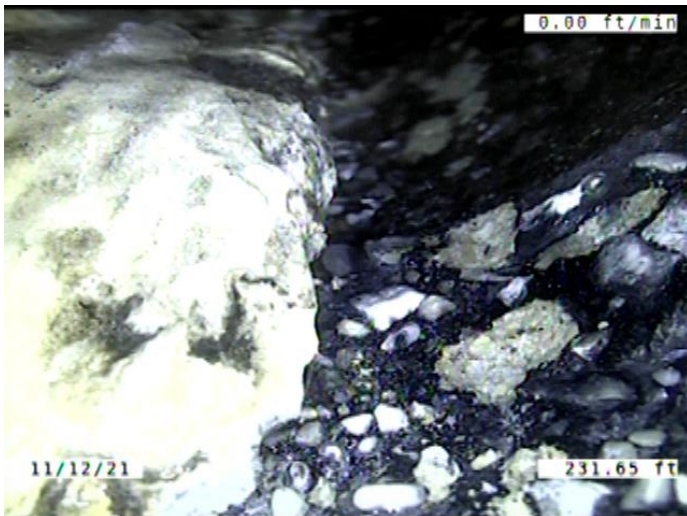
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **225.7**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **F05**
Within 8" of Joint: **NO**
Remarks:



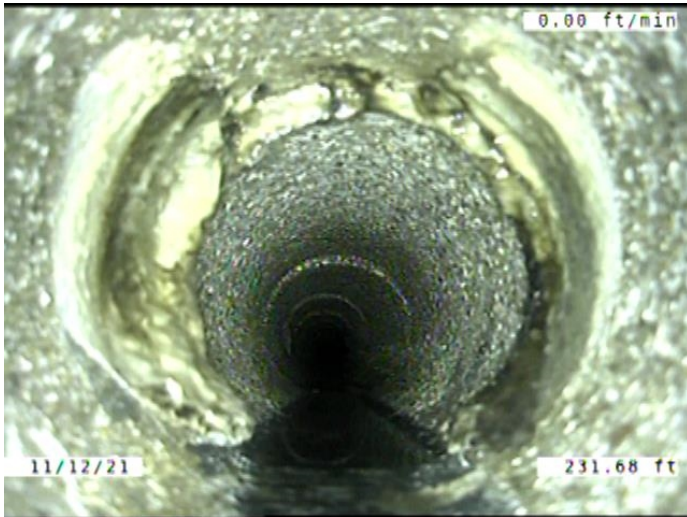
Code: **DAE**
Description: **Deposits Attached Encrustation**

Distance (ft): **231.4**
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: **IDJ**
Description: **Infiltration Dripper Joint**

Distance (ft): **231.7**
Structural Grade: **0**
O&M Grade: **3**
Clock Start/From: **7**
Clock To: **8**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



Code:	MSA
Description:	Miscellaneous Survey Abandoned
Distance (ft):	231.7
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.