

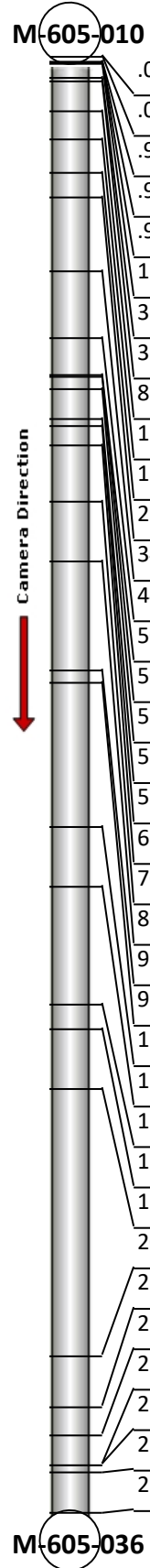
Profile/Photo Observation Report



Date:	11/18/2021	Weather:		Coding:	PACP 7.0
Pipe Length (ft):	231.4	Owner:	City of Hobart	Pre Clean:	Heavy Cleaning
P.O.#:	YES502259	Surveyor:	S. Bucklin	PSR:	P-605-036-010
Customer:	City of Hobart	Clean Date:	11/17/2021	Shape:	C

Street:	South Pennsylvania 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-605-010	DS MH:	M-605-036
		Total Length Surveyed (ft):	231.4

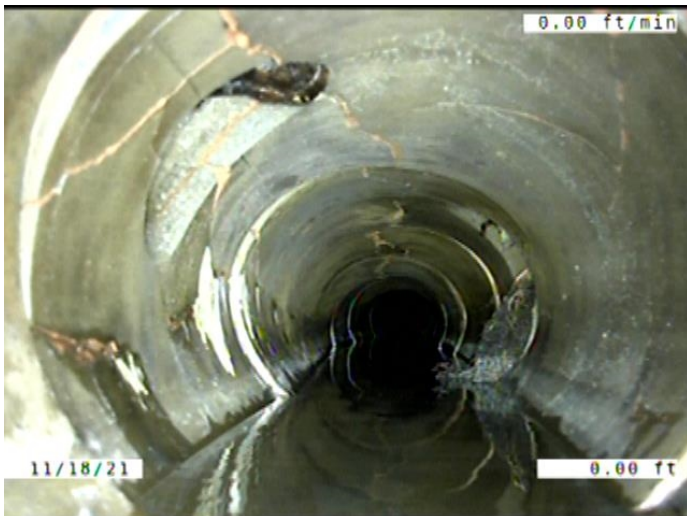
O&M Index:	2.17	O&M Quick:	4137	O&M Rating:	117.00
Structural Index:	3.47	Structural Quick:	412B	Structural Rating:	236.00
Overall Index:	2.89	Overall Quick:	4137	Overall Rating:	353.00

	Position	Code	Observation	Video (sec)	Grade
 <p>M-605-010</p> <p>Camera Direction</p> <p>M-605-036</p>	.0	AMH	Manhole	57	NA
	.0	MWL	Miscellaneous Water Level	75	NA
	.9	DR(S06)	Deformed Rigid	98	S 4
	.9	FM(S01)	Fracture Multiple	108	S 4
	.9	RTB	Roots Tap Barrel	129	M 3
	1.2	TFD	Tap Factory Defective	146	M 3
	3.3	RML	Roots Medium Lateral	172	M 3
	3.9	TFD	Tap Factory Defective	192	M 3
	8.6	MWLS(S02)	Miscellaneous Water Level Sag	231	S 2
	13.2	DAE(S03)	Deposits Attached Encrustation	304	M 2
	18.5	DR(F06)	Deformed Rigid	354	S 4
	22.4	MWLS(F02)	Miscellaneous Water Level Sag	377	S 2
	34.0	SSS	Surface Damage Surface Spalling	441	S 2
	44.6	SSS	Surface Damage Surface Spalling	506	S 2
	50.5	TFD	Tap Factory Defective	569	M 3
	50.8	SSS	Surface Damage Surface Spalling	590	S 2
	52.7	TF	Tap Factory	610	NA
	57.6	RBJ	Roots Ball Joint	698	M 4
	58.8	TBI	Tap Break-in Intruding	758	M 2
	61.8	RFB	Roots Fine Barrel	842	M 2
	70.7	B	Broken	895	S 4
	80.1	OBZ	Obstruction Other	968	M 2
	97.4	TFD	Tap Factory Defective	1057	M 3
	99.5	TFD	Tap Factory Defective	1090	M 3
	122.5	OBZ	Obstruction Other	1224	M 2
	132.0	TF	Tap Factory	1295	NA
	150.5	SSS(S07)	Surface Damage Surface Spalling	1405	S 2
	154.5	SSS(F07)	Surface Damage Surface Spalling	1427	S 2
	164.1	MWLS(S04)	Miscellaneous Water Level Sag	1502	S 2
	206.4	MWLS(F04)	Miscellaneous Water Level Sag	1763	S 2
	214.7	MWLS(S05)	Miscellaneous Water Level Sag	1825	S 2
	219.1	SSS	Surface Damage Surface Spalling	1859	S 2
	223.9	DAE(F03)	Deposits Attached Encrustation	1890	M 2
	223.9	MWLS(F05)	Miscellaneous Water Level Sag	1898	S 2
	225.1	FM(F01)	Fracture Multiple	1920	S 4
	231.4	AMH	Manhole	2048	NA



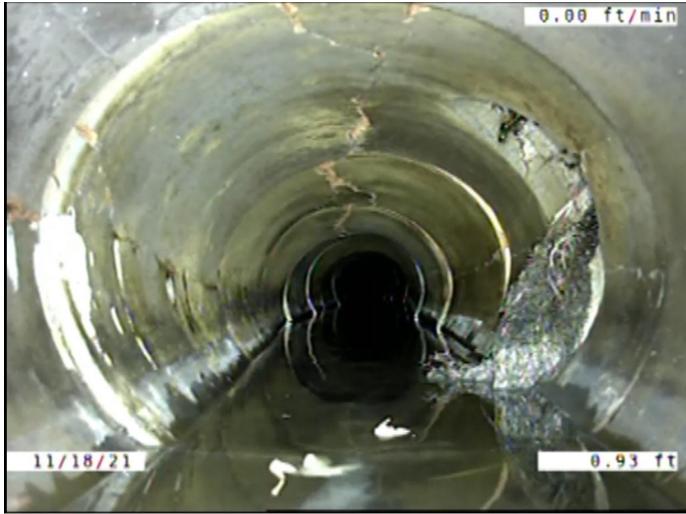
Code: **AMH**
 Description: **Manhole**

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-605-010**



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

Distance (ft): **.9**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **S06**
Within 8" of Joint: **NO**
Remarks:



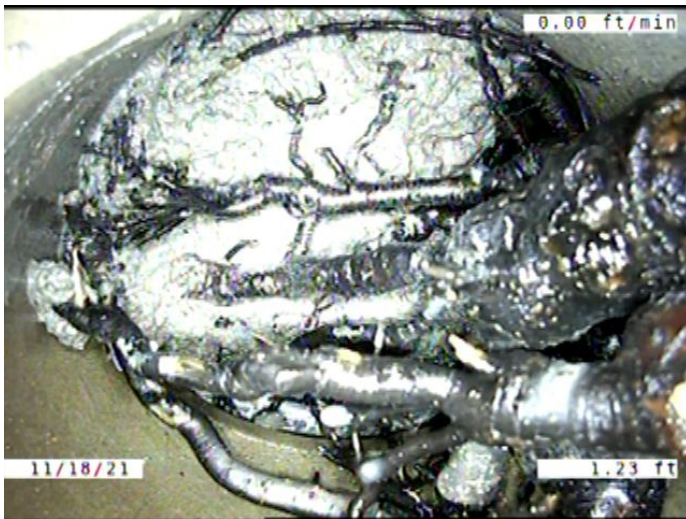
Code: **FM**
Description: **Fracture Multiple**

Distance (ft): **.9**
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:



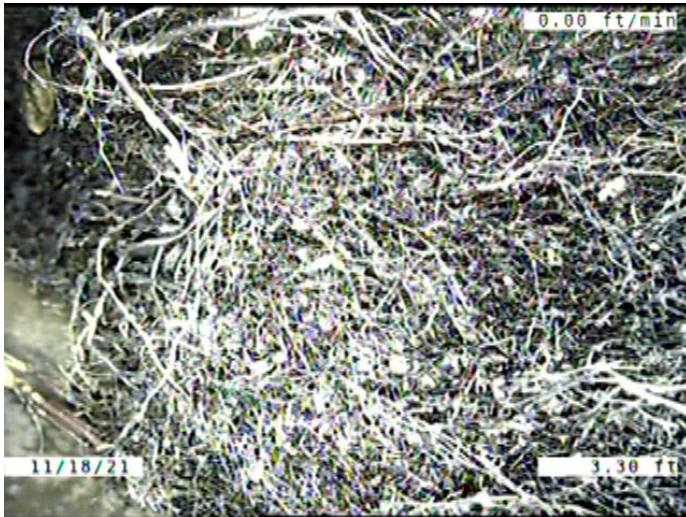
Code: **RTB**
 Description: **Roots Tap Barrel**

Distance (ft): **.9**
 Structural Grade: **0**
 O&M Grade: **3**
 Clock Start/From: **10**
 Clock To: **11**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks: **GROWING INTO THE SERVICE**



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

Distance (ft): **1.2**
 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. 95% PLUGGED WITH ROOTS.**



Code: **RML**
 Description: **Roots Medium Lateral**

Distance (ft): **3.3**
 Structural Grade: **0**
 O&M Grade: **3**
 Clock Start/From: **2**
 Clock To: **5**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks:



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

Distance (ft): **3.9**
 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: **BROKEN. LOOKS TO BE 100% PLUGGED WITH ROOTS.**



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

Distance (ft): **8.6**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **15.000**
 Continuous Index: **S02**
 Within 8" of Joint: **NO**
 Remarks:



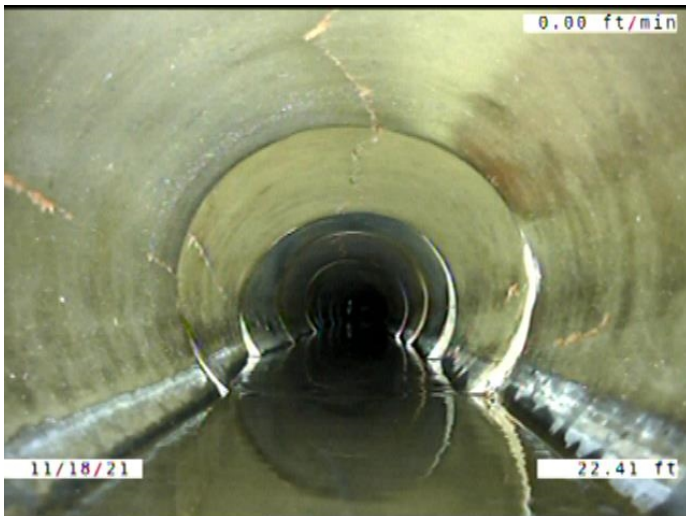
Code: **DAE**
 Description: **Deposits Attached Encrustation**

Distance (ft): **13.2**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **9**
 Clock To: **3**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index: **S03**
 Within 8" of Joint: **YES**
 Remarks:



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

Distance (ft): **18.5**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **F06**
Within 8" of Joint: **NO**
Remarks:



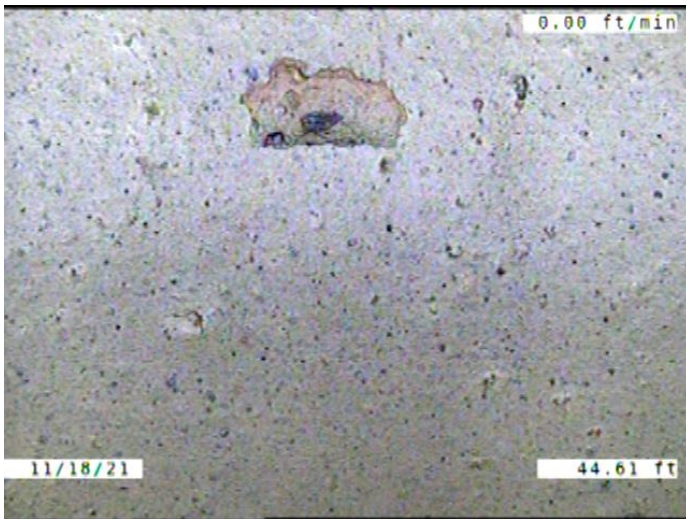
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **22.4**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **15.000**
Continuous Index: **F02**
Within 8" of Joint: **NO**
Remarks:



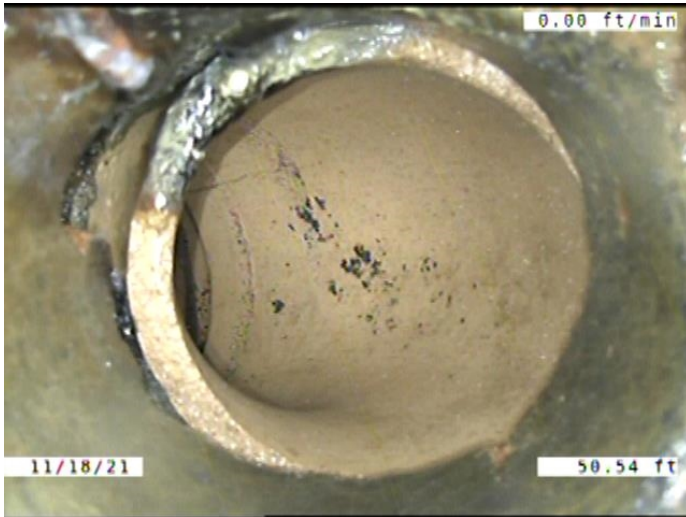
Code: **SSS**
Description: **Surface Damage Surface Spalling**

Distance (ft): **34.0**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From: **1**
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): **44.6**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From: **10**
Clock To: **12**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



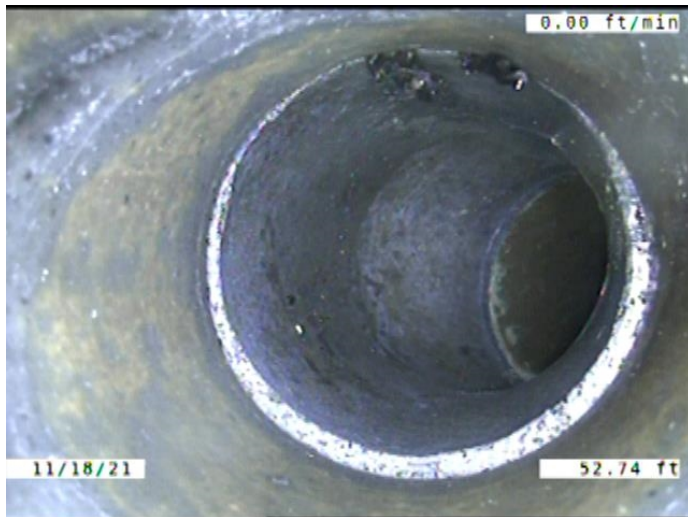
Code: **TFD**
 Description: **Tap Factory Defective**

Distance (ft): **50.5**
 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. CONSTANTLY RUNNING WATER. LOOKS LIKE WATER IS COMI**



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

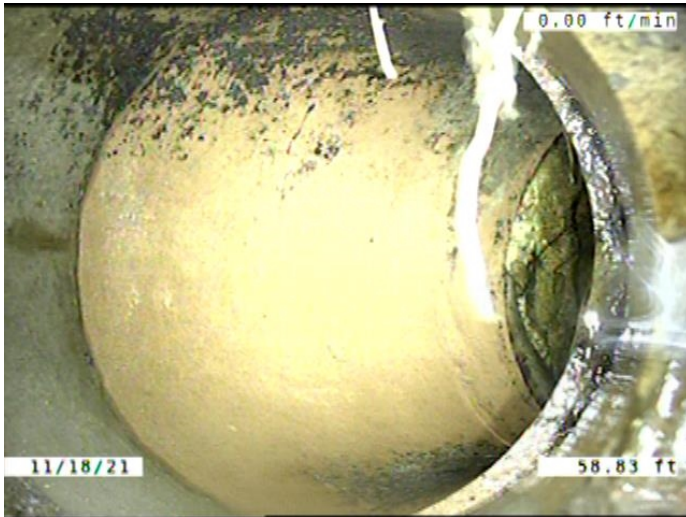
Distance (ft): **50.8**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From: **12**
 Clock To: **1**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks:



Code:	TF
Description:	Tap Factory
Distance (ft):	52.7
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:	ROOTS GROWING OUT OF THE JOINT.



Code:	RBJ
Description:	Roots Ball Joint
Distance (ft):	57.6
Structural Grade:	0
O&M Grade:	4
Clock Start/From:	2
Clock To:	4
1st Value:	
2nd Value:	
Value Percent:	65.000
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



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

Distance (ft): **58.8**
 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:



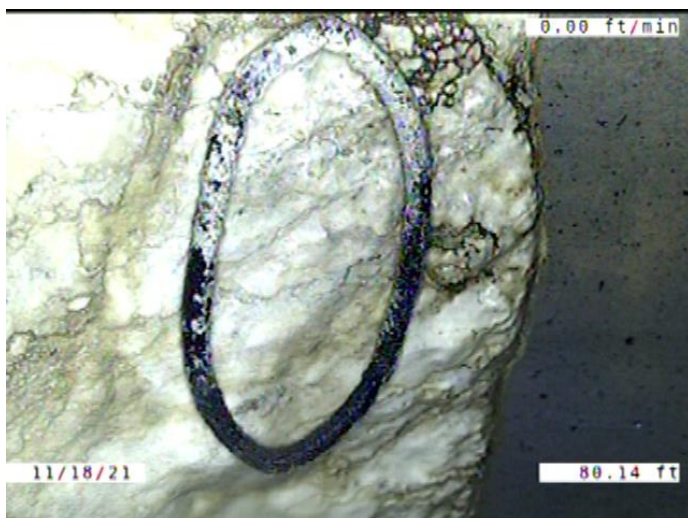
Code: **RFB**
 Description: **Roots Fine Barrel**

Distance (ft): **61.8**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **3**
 Clock To:
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks:



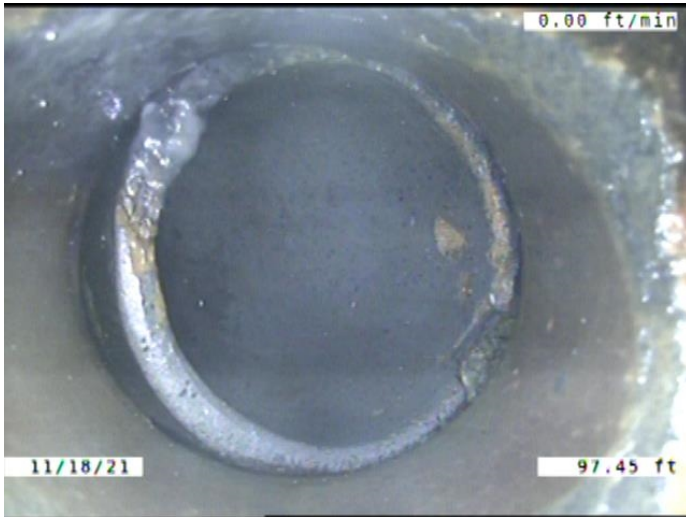
Code: **B**
 Description: **Broken**

Distance (ft): **70.7**
 Structural Grade: **4**
 O&M Grade: **0**
 Clock Start/From: **4**
 Clock To: **5**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



Code: **OBZ**
 Description: **Obstruction Other**

Distance (ft): **80.1**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **9**
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks: **ORING**



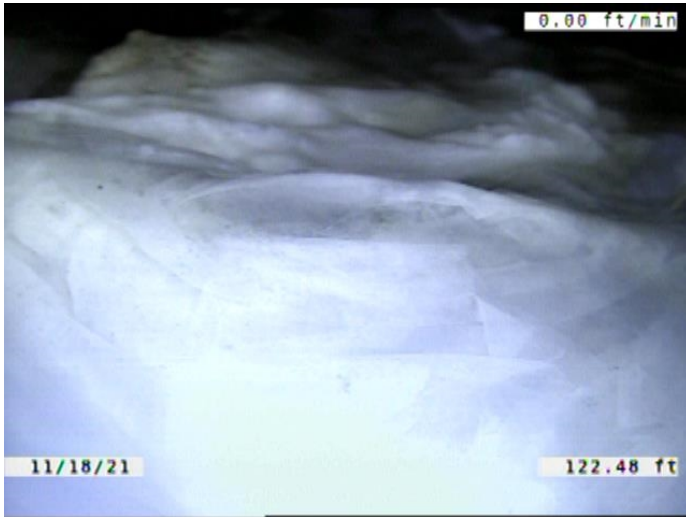
Code: **TFD**
Description: **Tap Factory Defective**

Distance (ft): **97.4**
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., CONSTANTLY DRIPPING WATER. ANGLED JOINT**



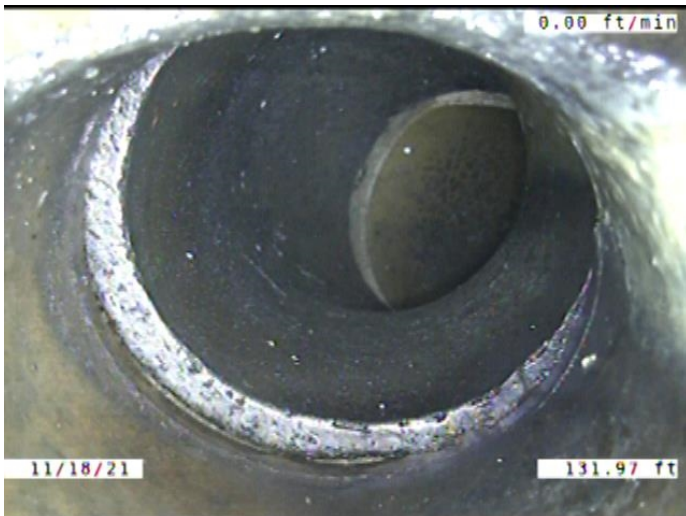
Code: **TFD**
Description: **Tap Factory Defective**

Distance (ft): **99.5**
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: **BROKEN., CONSTANTLY DRIPPING WATER. 95% PLUGGED.**



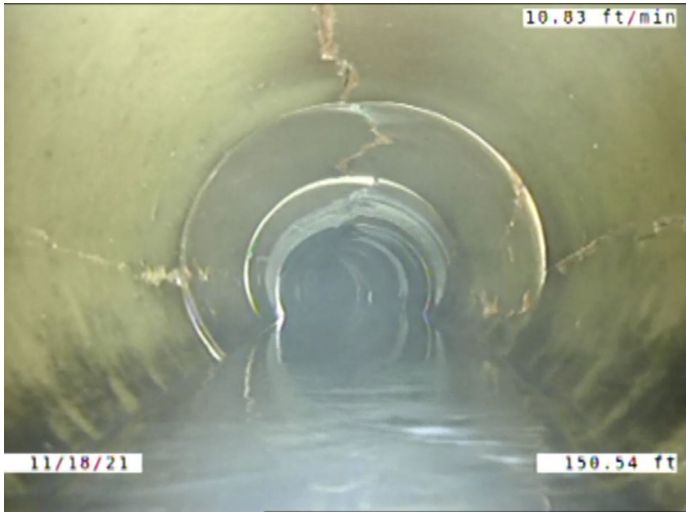
Code: **OBZ**
Description: **Obstruction Other**

Distance (ft): **122.5**
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: **YES**
Remarks: **ENCrustATION THAT HAS BEEN KNOCKED OFF**



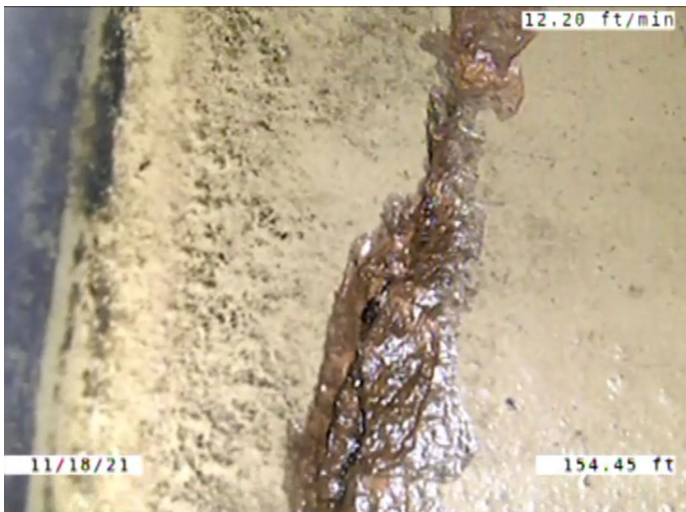
Code: **TF**
Description: **Tap Factory**

Distance (ft): **132.0**
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: **OFFSET.**



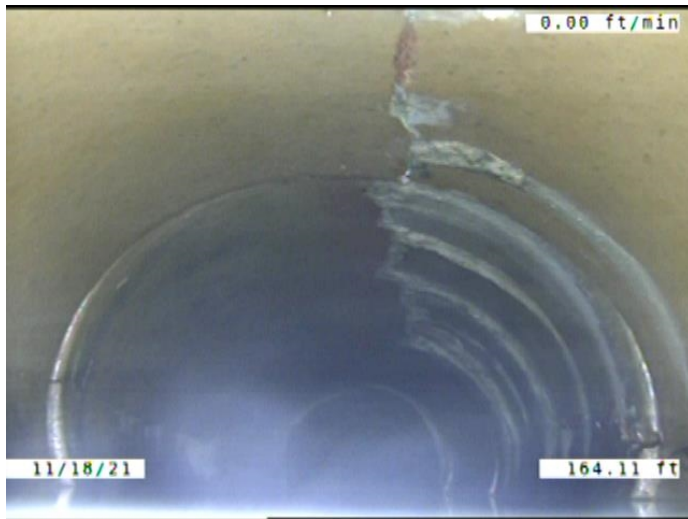
Code: **SSS**
Description: **Surface Damage Surface Spalling**

Distance (ft): **150.5**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From: **9**
Clock To: **4**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **S07**
Within 8" of Joint: **YES**
Remarks:



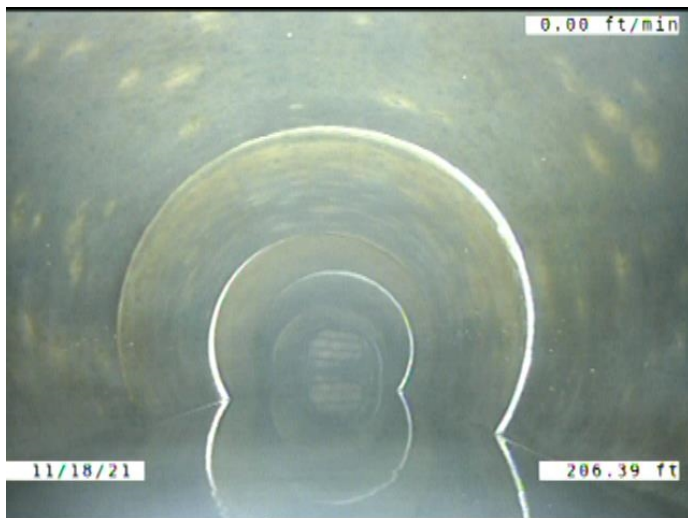
Code: **SSS**
Description: **Surface Damage Surface Spalling**

Distance (ft): **154.5**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From: **9**
Clock To: **4**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **F07**
Within 8" of Joint: **YES**
Remarks:



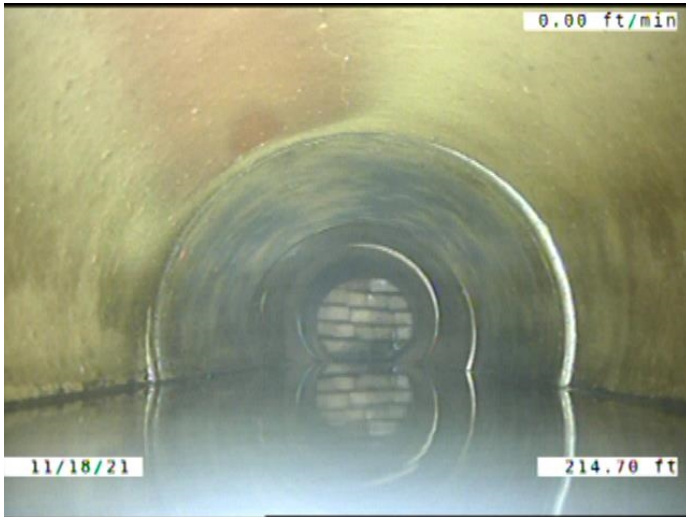
Code: **MWLS**
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **164.1**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **15.000**
 Continuous Index: **S04**
 Within 8" of Joint: **NO**
 Remarks:



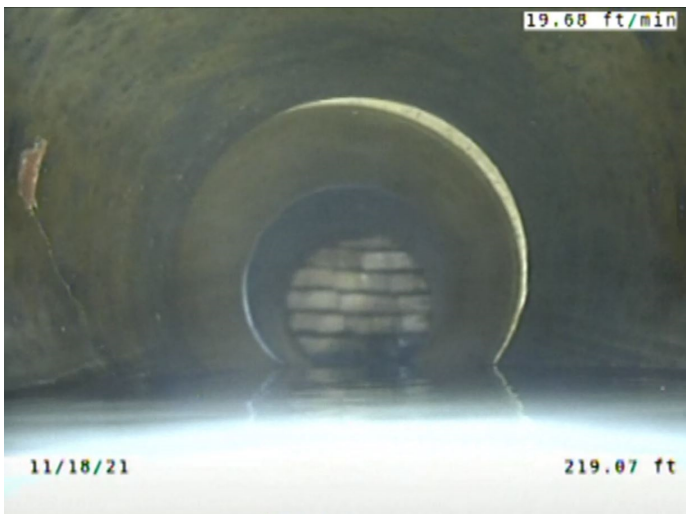
Code: **MWLS**
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **206.4**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **15.000**
 Continuous Index: **F04**
 Within 8" of Joint: **NO**
 Remarks:



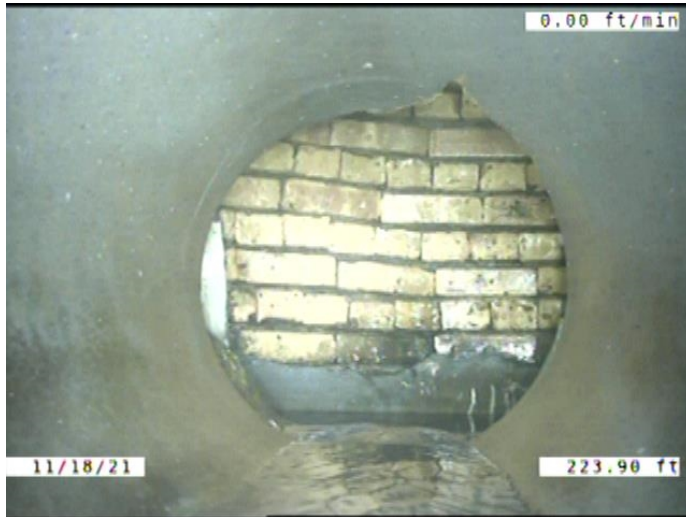
Code: **MWLS**
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **214.7**
 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:



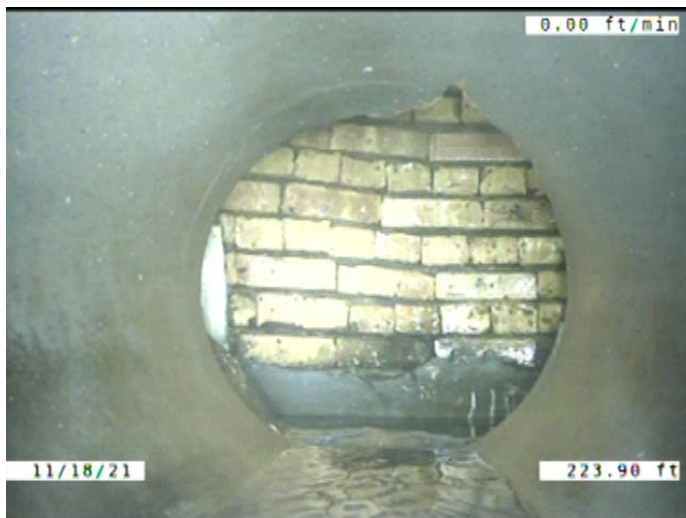
Code: **SSS**
 Description: **Surface Damage Surface Spalling**

Distance (ft): **219.1**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From: **9**
 Clock To:
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks:



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

Distance (ft): **223.9**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **9**
Clock To: **3**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **F03**
Within 8" of Joint: **YES**
Remarks:



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

Distance (ft): **223.9**
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: **FM**
 Description: **Fracture Multiple**

Distance (ft): **225.1**
 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: **AMH**
 Description: **Manhole**

Distance (ft): **231.4**
 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: **M-605-036**