

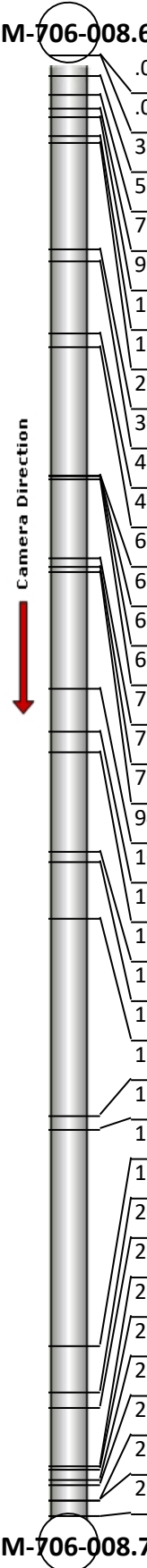
Profile/Photo Observation Report

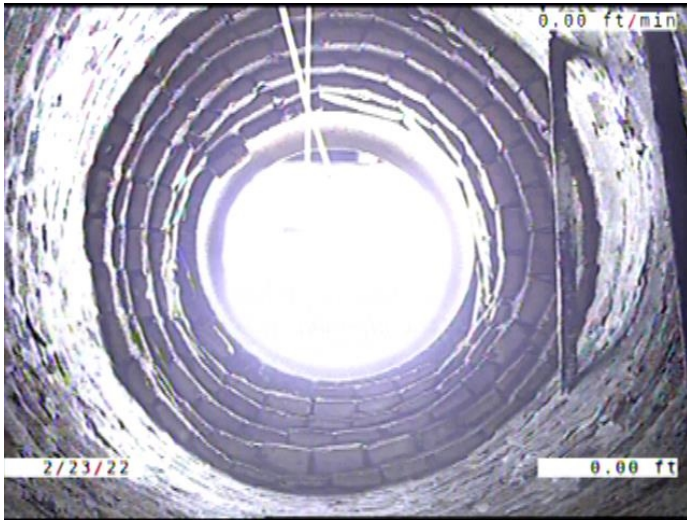


Date:	02/23/2022	Weather:		Coding:	PACP 7.0
Pipe Length (ft):	218.0	Owner:	City of Hobart	Pre Clean:	Heavy Cleaning
P.O.#:	YES502259	Surveyor:	S. Bucklin	PSR:	P-706-008.7-008.6
Customer:	City of Hobart, IN (Red	Clean Date:	02/18/2022	Shape:	C

Street:	South Garfield 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:	8"
Use:	Sanitary Sewage Pipe	Material:	VCP
Drain Area:		Lining:	None
Category:	NA		
Comment:			
Location Details:		Direction of Survey:	Downstream
US MH:	M-706-008.6	DS MH:	M-706-008.7
		Total Length Surveyed (ft):	217.6

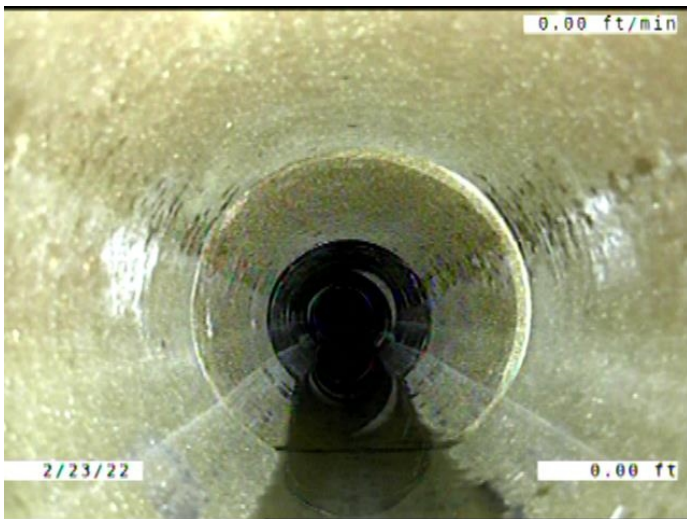
O&M Index:	2.80	O&M Quick:	413F	O&M Rating:	126.00
Structural Index:	3.76	Structural Quick:	4G26	Structural Rating:	184.00
Overall Index:	3.30	Overall Quick:	4G3F	Overall Rating:	310.00

	Position	Code	Observation	Video (sec)	Grade
	.0	AMH	Manhole	1	NA
	.0	MWL	Miscellaneous Water Level	85	NA
	3.0	B	Broken	153	S 4
	5.8	TF	Tap Factory	191	NA
	7.9	TF	Tap Factory	241	NA
	9.1	FM	Fracture Multiple	341	S 4
	11.9	H	Hole	383	S 4
	13.0	FM(S01)	Fracture Multiple	487	S 4
	28.9	RFJ	Roots Fine Joint	594	M 1
	30.8	RMJ(S02)	Roots Medium Joint	658	M 3
	41.5	TF	Tap Factory	738	NA
	43.5	TF	Tap Factory	772	NA
	62.6	IRC	Infiltration Runner Connection	897	M 4
	62.7	RMC	Roots Medium Connection	912	M 3
	62.7	SSS	Surface Damage Surface Spalling	965	S 2
	63.1	TBI	Tap Break-in Intruding	984	M 2
	75.0	TF	Tap Factory	1074	NA
	76.3	SSS	Surface Damage Surface Spalling	1158	S 2
	76.9	TF	Tap Factory	1197	NA
	94.3	ISB	Infiltration Stain Barrel	1332	M 1
	100.8	ISB	Infiltration Stain Barrel	1381	M 1
	103.8	ISJ	Infiltration Stain Joint	1428	M 1
	118.7	TF	Tap Factory	1523	NA
	120.1	TF	Tap Factory	1551	NA
	128.6	MWL	Miscellaneous Water Level	1606	NA
	157.9	TF	Tap Factory	1778	NA
	160.1	TF	Tap Factory	1813	NA
	192.3	OBM	Obstruction Pipe Material in Invert	2000	M 2
	199.3	TF	Tap Factory	2059	NA
	201.4	TF	Tap Factory	2090	NA
	210.1	SSS	Surface Damage Surface Spalling	2161	S 2
	210.7	SSS	Surface Damage Surface Spalling	2182	S 2
	212.3	SSS	Surface Damage Surface Spalling	2212	S 2
	212.9	SSS	Surface Damage Surface Spalling	2230	S 2
	215.3	FM(F01)	Fracture Multiple	2257	S 4
	215.3	RMJ(F02)	Roots Medium Joint	2265	M 3
	217.6	AMH	Manhole	2364	NA
M-706-008.7					



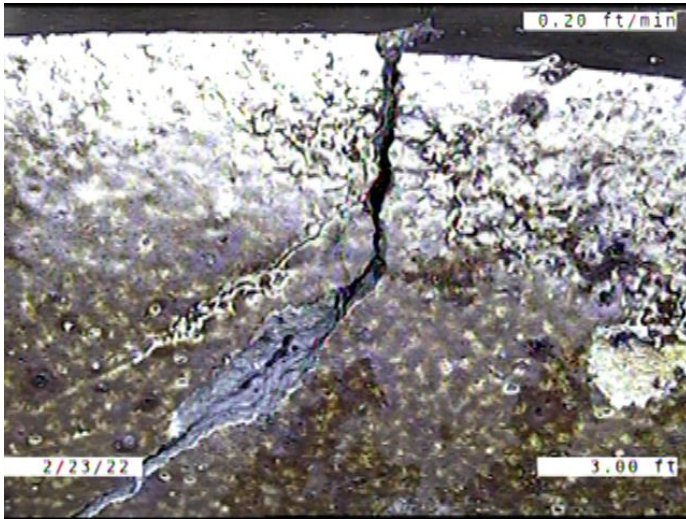
Code: **AMH**
Description: **Manhole**

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-706-008.6**



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:



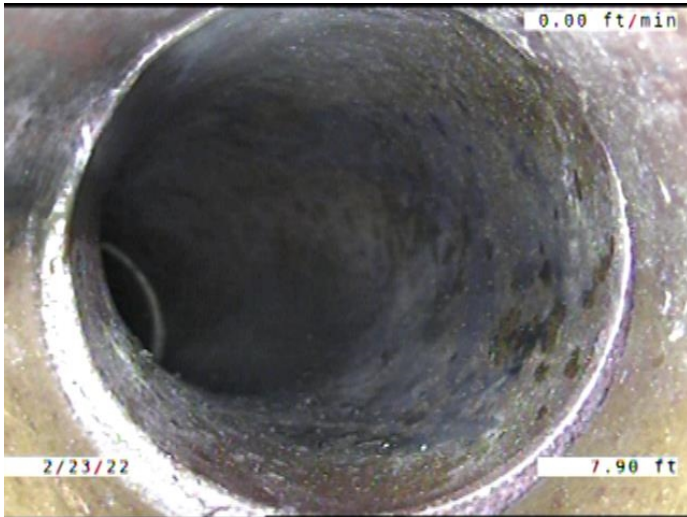
Code: **B**
 Description: **Broken**

Distance (ft): **3.0**
 Structural Grade: **4**
 O&M Grade: **0**
 Clock Start/From: **8**
 Clock To: **3**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



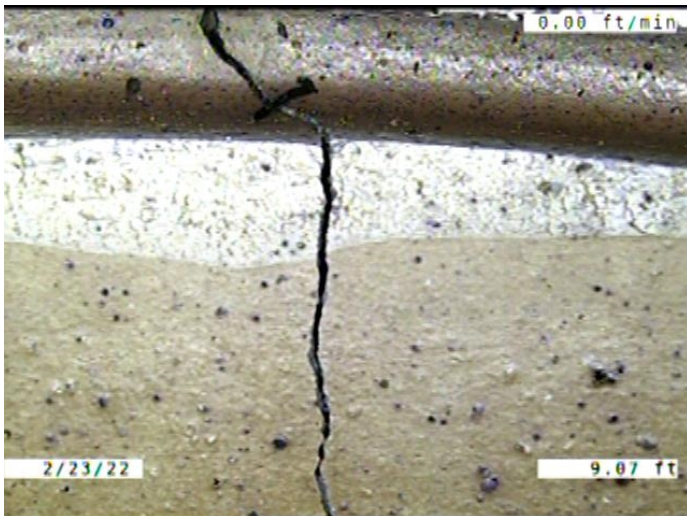
Code: **TF**
 Description: **Tap Factory**

Distance (ft): **5.8**
 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: **LOOKS TO BE 95% PLUGGED WITH ROOTS.**



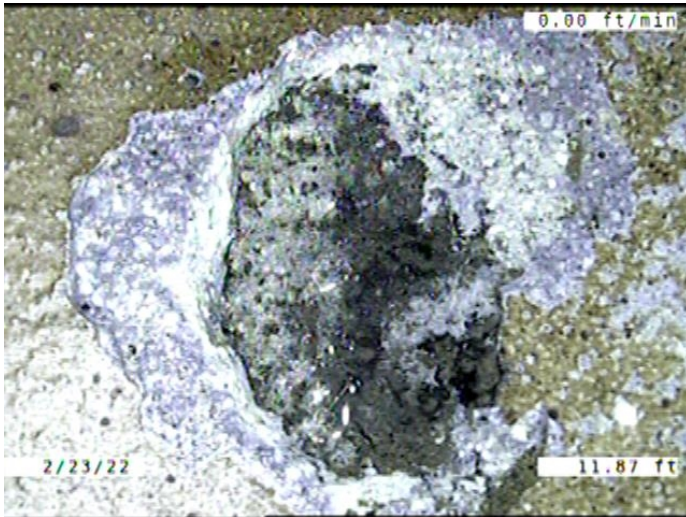
Code: **TF**
Description: **Tap Factory**

Distance (ft): **7.9**
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: **CONSTANTLY RUNNING WATER**



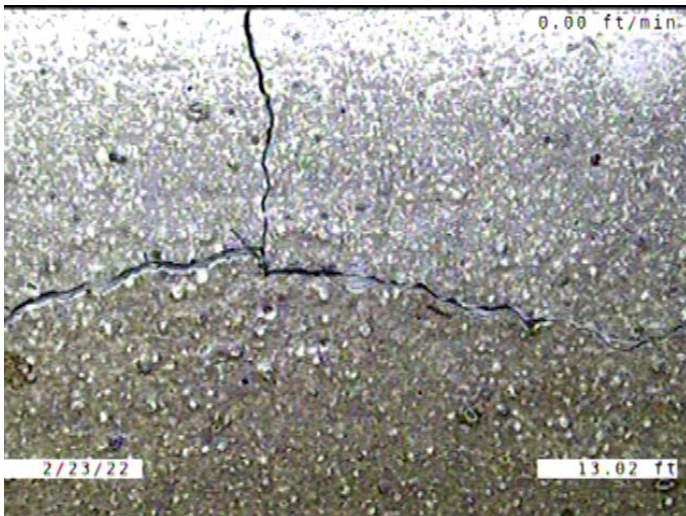
Code: **FM**
Description: **Fracture Multiple**

Distance (ft): **9.1**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **8**
Clock To: **4**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



Code: **H**
Description: **Hole**

Distance (ft): **11.9**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **7**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



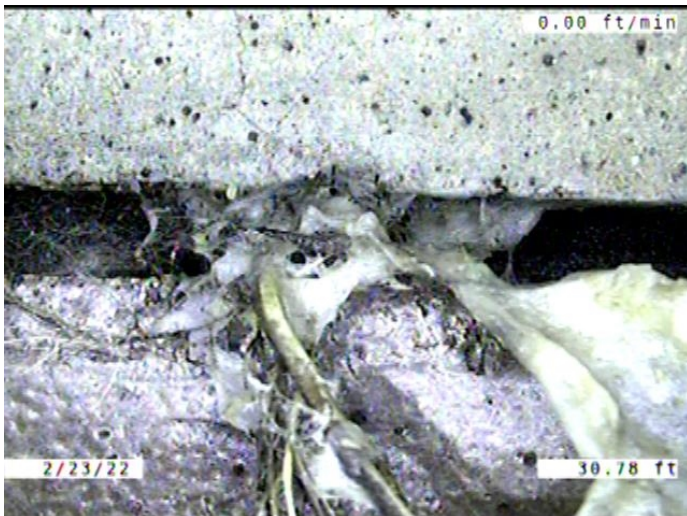
Code: **FM**
Description: **Fracture Multiple**

Distance (ft): **13.0**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **7**
Clock To: **6**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **S01**
Within 8" of Joint: **YES**
Remarks:



Code: **RFJ**
Description: **Roots Fine Joint**

Distance (ft): **28.9**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **11**
Clock To: **12**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

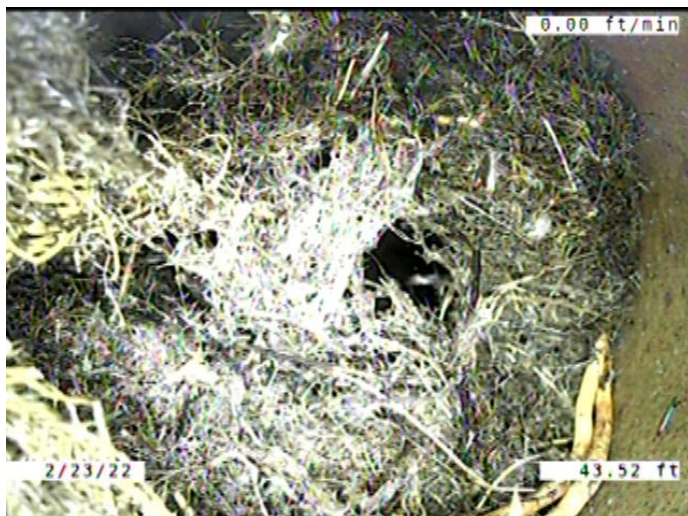


Code: **RMJ**
Description: **Roots Medium Joint**

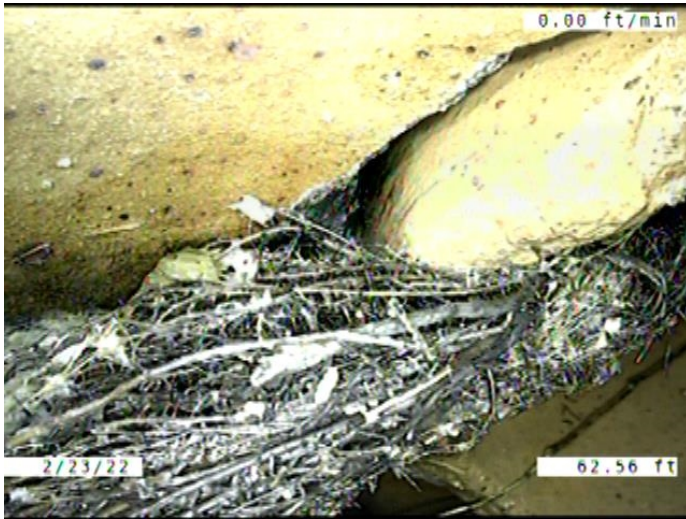
Distance (ft): **30.8**
Structural Grade: **0**
O&M Grade: **3**
Clock Start/From: **8**
Clock To: **4**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **S02**
Within 8" of Joint: **YES**
Remarks:



Code:	TF
Description:	Tap Factory
Distance (ft):	41.5
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:	ROOTS GROWING FROM THE JOINTS

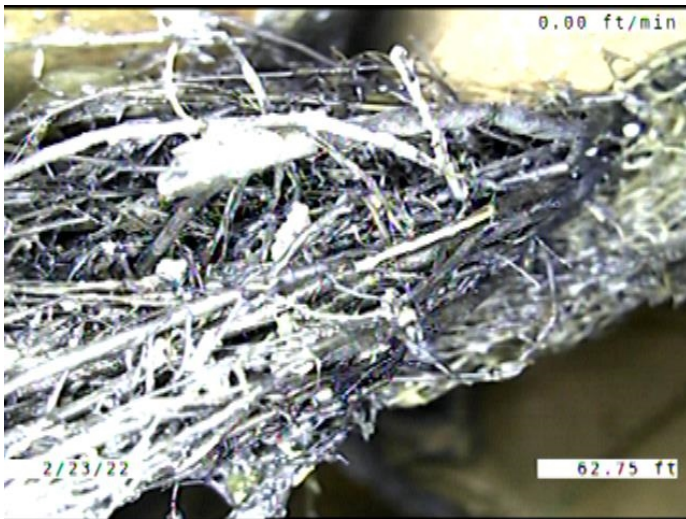


Code:	TF
Description:	Tap Factory
Distance (ft):	43.5
Structural Grade:	0
O&M Grade:	0
Clock Start/From:	10
Clock To:	
1st Value:	4.000
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	LOOKS 80% PLUGGED WITH ROOTS. ROOTS GROWING OUT OF THE SERV



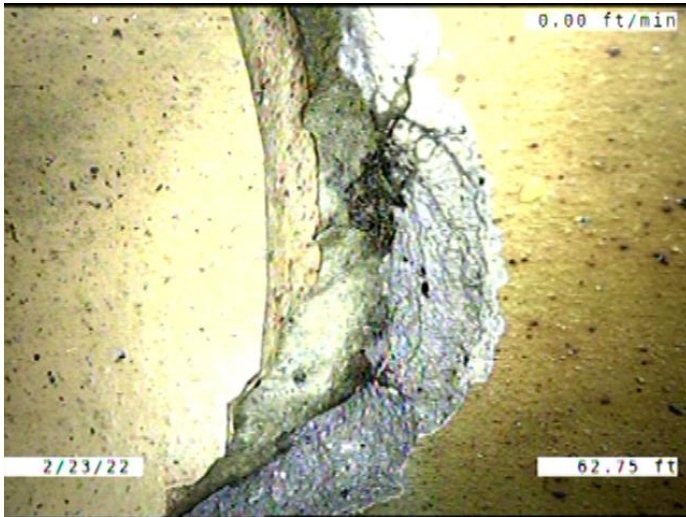
Code: **IRC**
 Description: **Infiltration Runner Connection**

Distance (ft): **62.6**
 Structural Grade: **0**
 O&M Grade: **4**
 Clock Start/From: **9**
 Clock To:
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks:



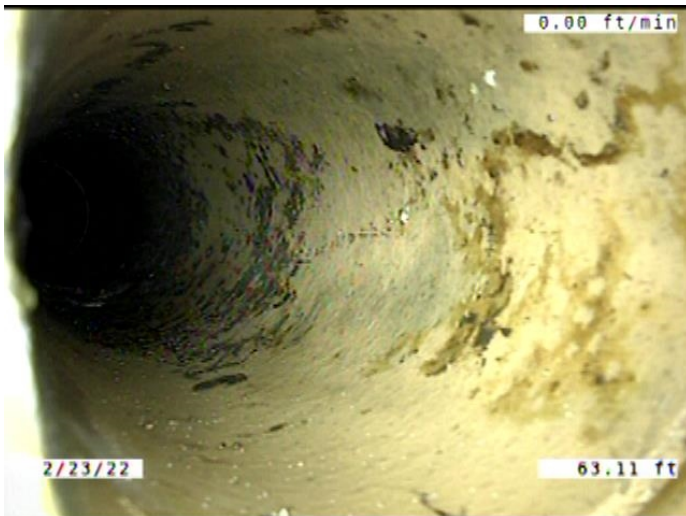
Code: **RMC**
 Description: **Roots Medium Connection**

Distance (ft): **62.7**
 Structural Grade: **0**
 O&M Grade: **3**
 Clock Start/From: **9**
 Clock To: **12**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks:



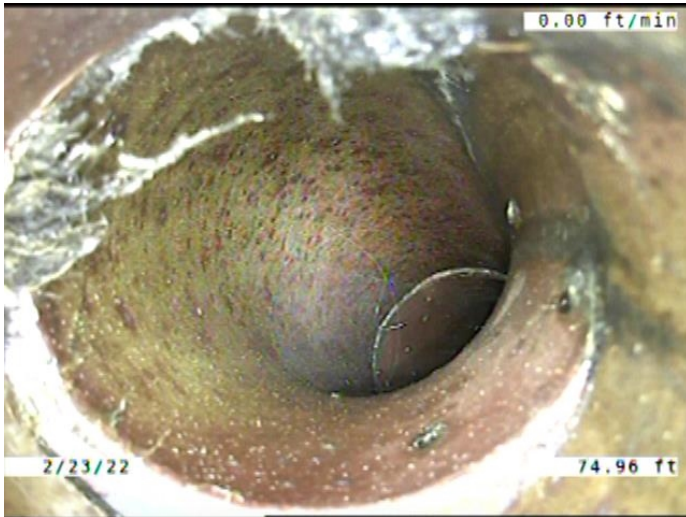
Code: **SSS**
 Description: **Surface Damage Surface Spalling**

Distance (ft): **62.7**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From: **9**
 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): **63.1**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **10**
 Clock To:
 1st Value: **6.000**
 2nd Value: **1.000**
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks:



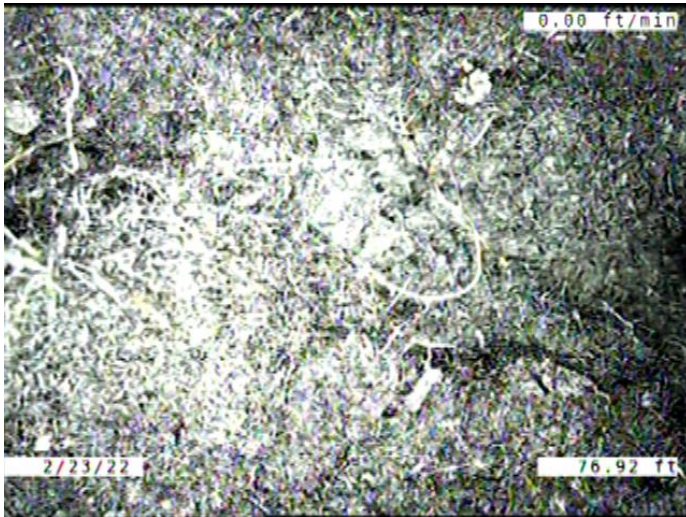
Code: **TF**
 Description: **Tap Factory**

Distance (ft): **75.0**
 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: **ROOTS GROWING FROM THE JOINTS**



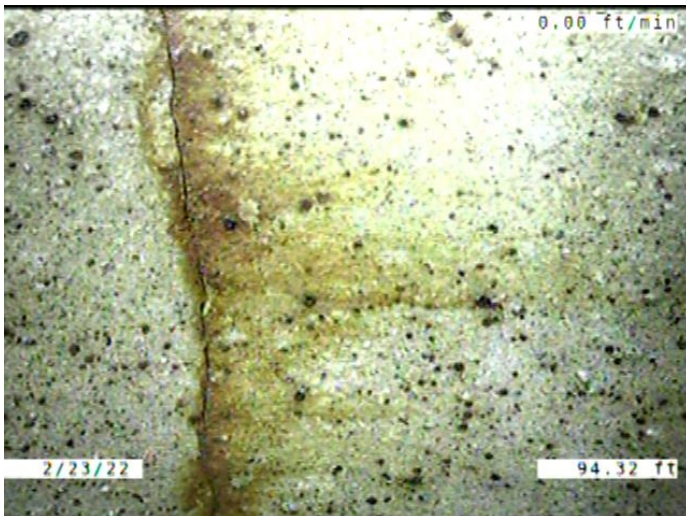
Code: **SSS**
 Description: **Surface Damage Surface Spalling**

Distance (ft): **76.3**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From: **4**
 Clock To: **7**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



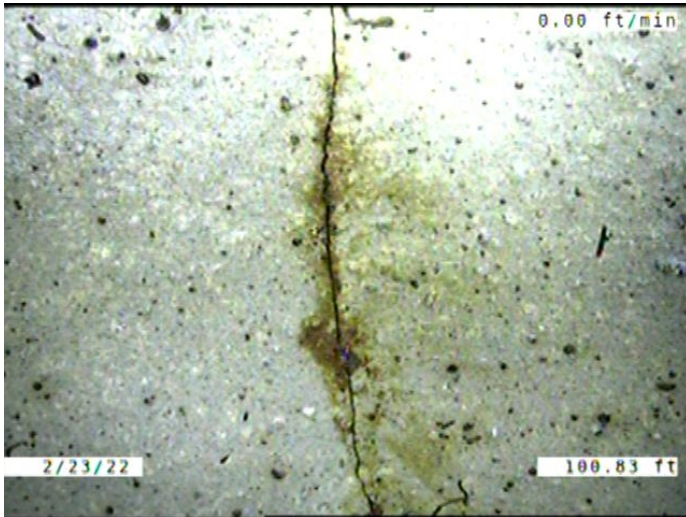
Code: **TF**
Description: **Tap Factory**

Distance (ft): **76.9**
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: **LOOKS TO BE 95% PLUGGED WITH ROOTS**



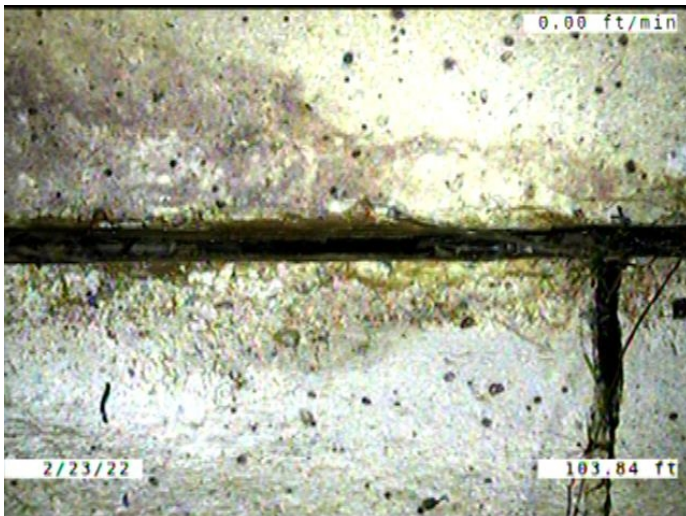
Code: **ISB**
Description: **Infiltration Stain Barrel**

Distance (ft): **94.3**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **1**
Clock To: **2**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



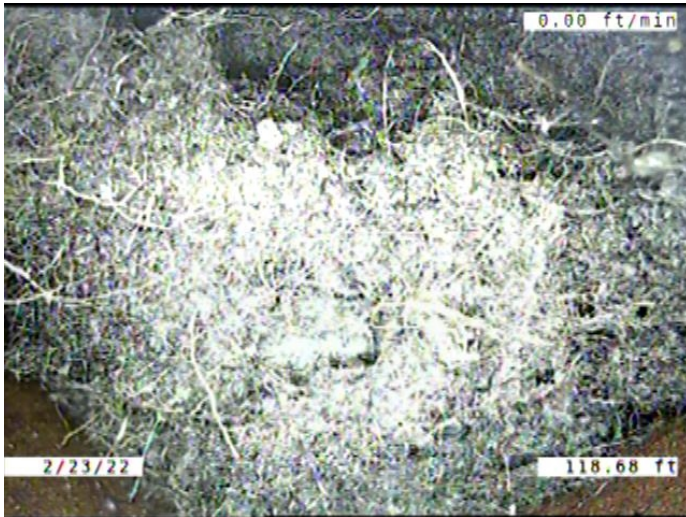
Code: **ISB**
 Description: **Infiltration Stain Barrel**

Distance (ft): **100.8**
 Structural Grade: **0**
 O&M Grade: **1**
 Clock Start/From: **12**
 Clock To:
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks:



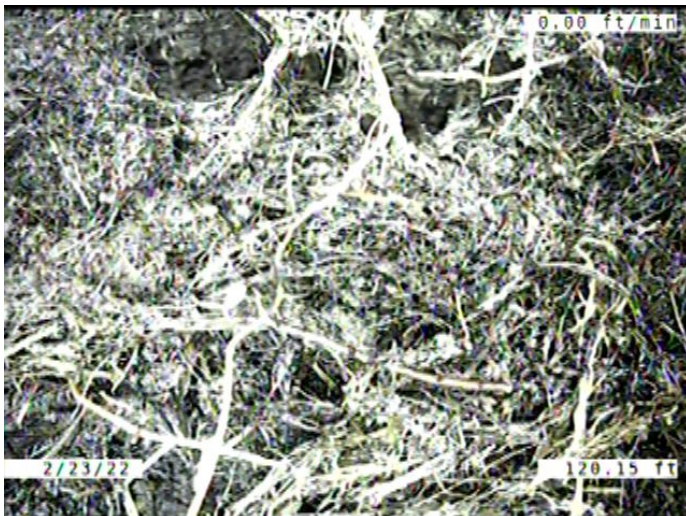
Code: **ISJ**
 Description: **Infiltration Stain Joint**

Distance (ft): **103.8**
 Structural Grade: **0**
 O&M Grade: **1**
 Clock Start/From: **9**
 Clock To: **12**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



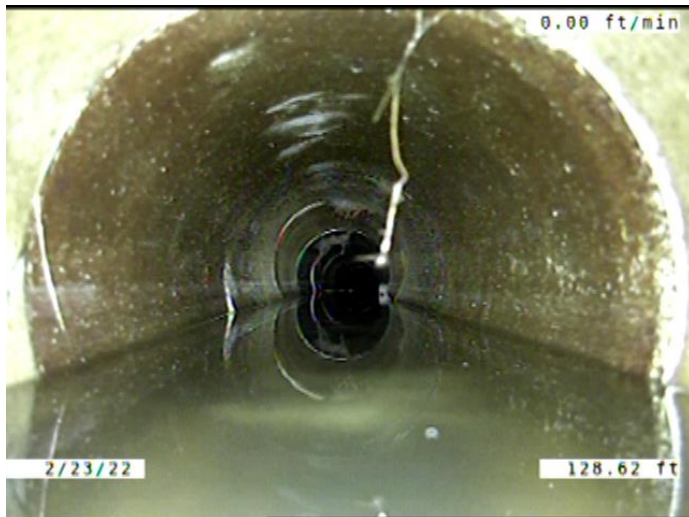
Code: **TF**
Description: **Tap Factory**

Distance (ft): **118.7**
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: **LOOKS TO BE 95% PLUGGED WITH ROOTS**



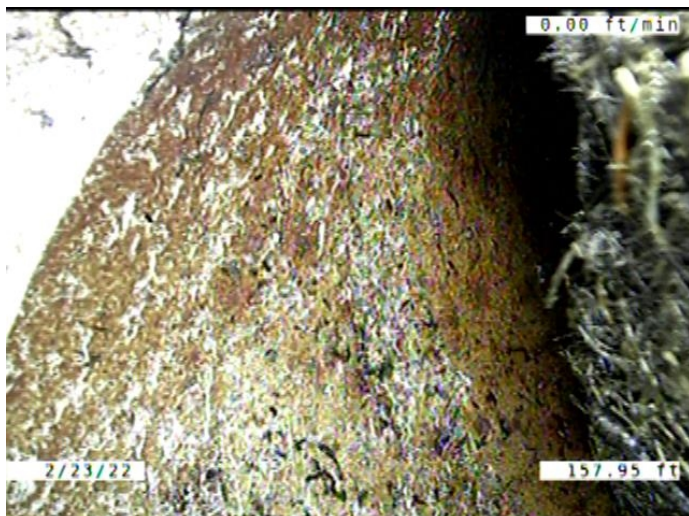
Code: **TF**
Description: **Tap Factory**

Distance (ft): **120.1**
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: **LOOKS TO BE 95% PLUGGED WITH ROOTS**



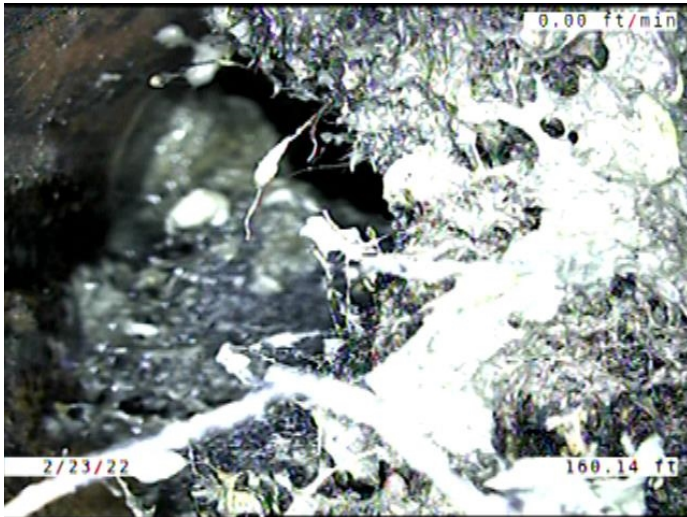
Code: **MWL**
 Description: **Miscellaneous Water Level**

Distance (ft): **128.6**
 Structural Grade: **0**
 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: **TF**
 Description: **Tap Factory**

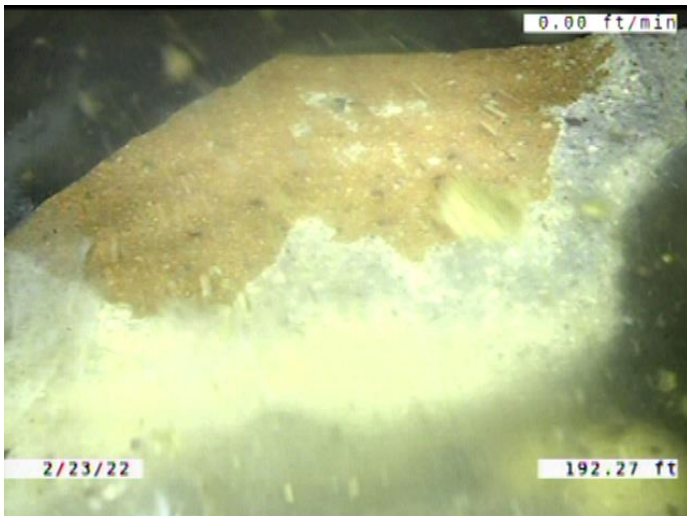
Distance (ft): **157.9**
 Structural Grade: **0**
 O&M Grade: **0**
 Clock Start/From: **2**
 Clock To:
 1st Value: **6.000**
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks: **LOOKS TO BE 95% PLUGGED WITH ROOTS**



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

Distance (ft): **160.1**
 Structural Grade: **0**
 O&M Grade: **0**
 Clock Start/From: **10**
 Clock To:
 1st Value: **6.000**

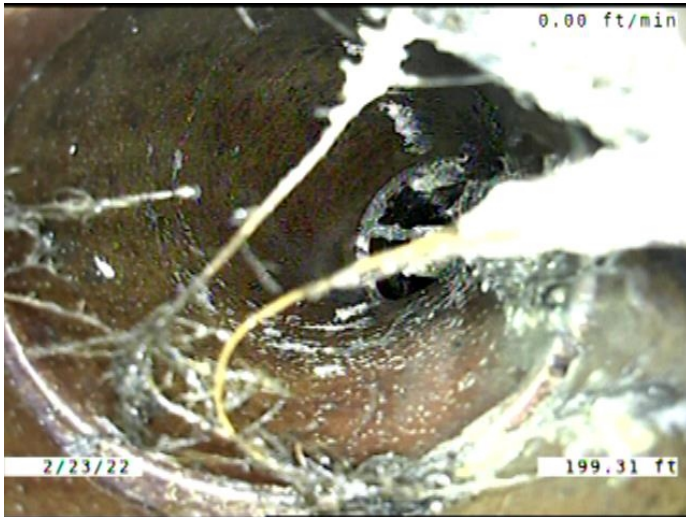
2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks: **LOOKS TO BE 75% PLUGGED WITH ROOTS**



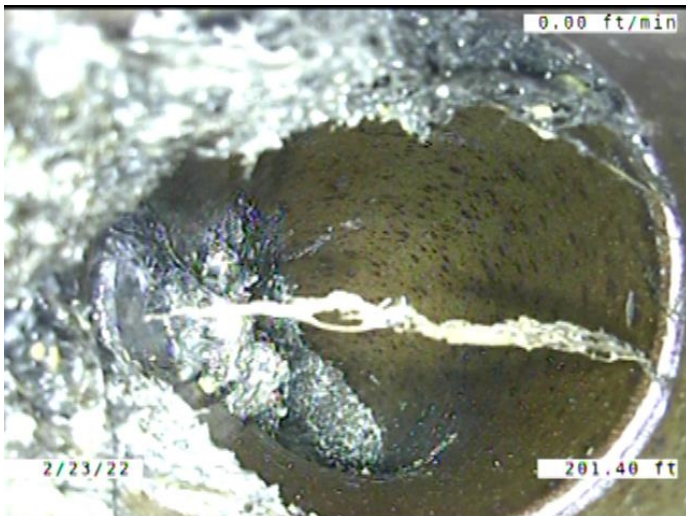
Code: **OBM**
 Description: **Obstruction Pipe Material in Invert**

Distance (ft): **192.3**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **5**
 Clock To: **7**

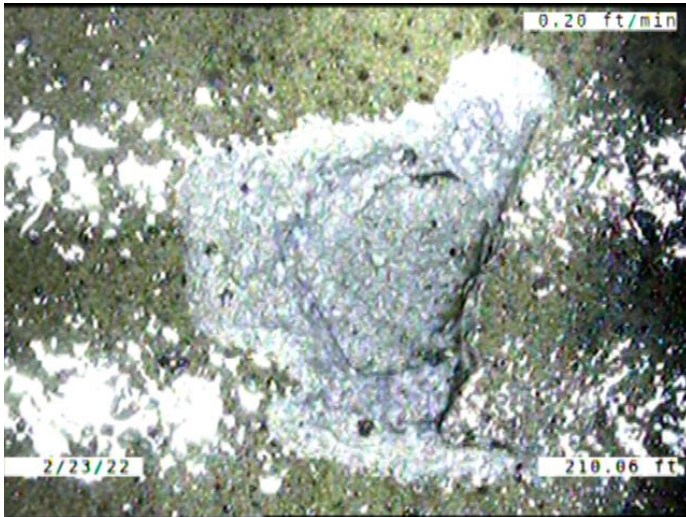
1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



Code:	TF
Description:	Tap Factory
Distance (ft):	199.3
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:	ROOTS GROWING FROM THE JOINTS

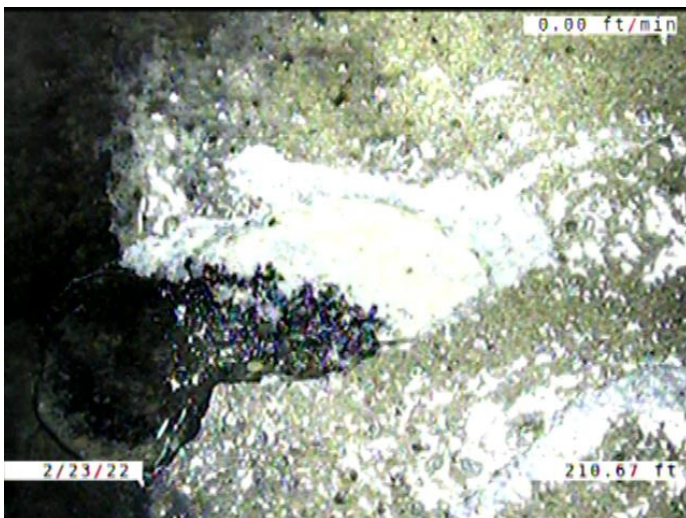


Code:	TF
Description:	Tap Factory
Distance (ft):	201.4
Structural Grade:	0
O&M Grade:	0
Clock Start/From:	10
Clock To:	
1st Value:	6.000
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	ROOTS GROWING FROM THE JOINTS



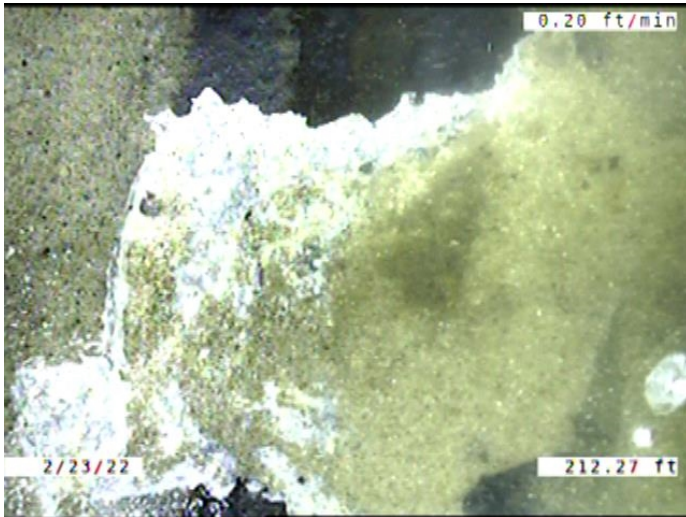
Code: **SSS**
 Description: **Surface Damage Surface Spalling**

Distance (ft): **210.1**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From: **8**
 Clock To:
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks:



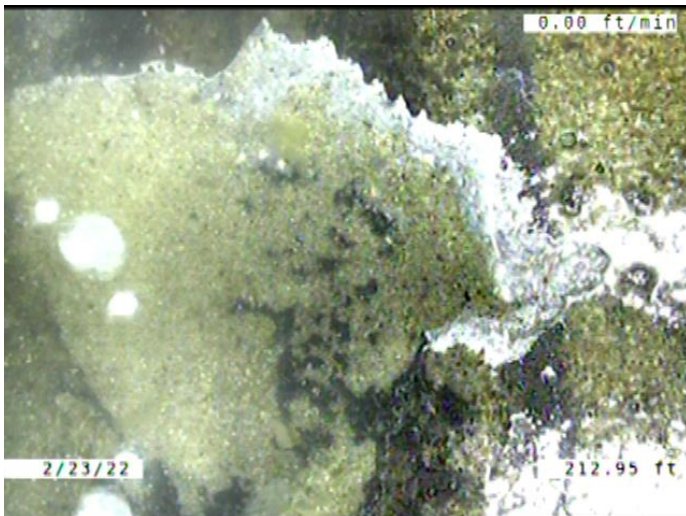
Code: **SSS**
 Description: **Surface Damage Surface Spalling**

Distance (ft): **210.7**
 Structural Grade: **2**
 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: **SSS**
Description: **Surface Damage Surface Spalling**

Distance (ft): **212.3**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From: **7**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



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

Distance (ft): **212.9**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From: **5**
Clock To: **7**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



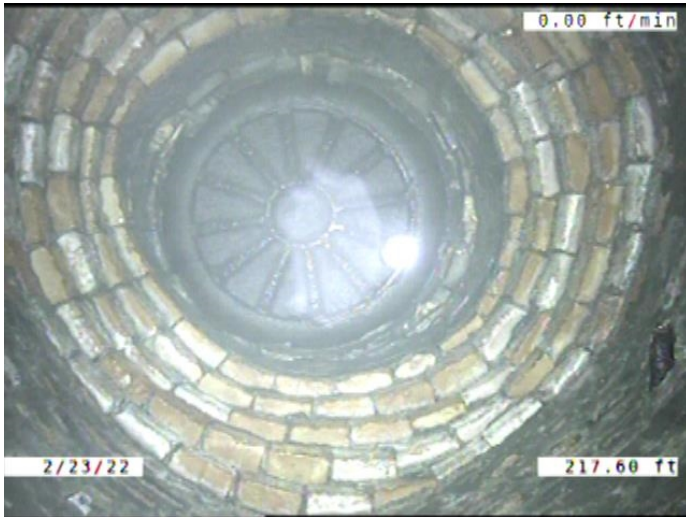
Code: **FM**
 Description: **Fracture Multiple**

Distance (ft): **215.3**
 Structural Grade: **4**
 O&M Grade: **0**
 Clock Start/From: **7**
 Clock To: **6**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index: **F01**
 Within 8" of Joint: **YES**
 Remarks:



Code: **RMJ**
 Description: **Roots Medium Joint**

Distance (ft): **215.3**
 Structural Grade: **0**
 O&M Grade: **3**
 Clock Start/From: **8**
 Clock To: **4**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index: **F02**
 Within 8" of Joint: **YES**
 Remarks:



Code:	AMH
Description:	Manhole
Distance (ft):	217.6
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-706-008.7