

Profile/Photo Observation Report




Date:	11/01/2021	Weather:		Coding:	PACP 7.0
Pipe Length (ft):	155.8	Owner:	City of Hobart	Pre Clean:	Heavy Cleaning
P.O.#:	YES502259	Surveyor:	S. Bucklin	PSR:	P-504-031-030
Customer:	City of Hobart	Clean Date:	10/28/2021	Shape:	C

Street:	North Colorado Street	Flow Control:	Not Controlled
City:	Hobart, IN	Year Renewed:	
Location:	Alley	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-504-030	DS MH:	M-504-031
		Total Length Surveyed (ft):	155.8

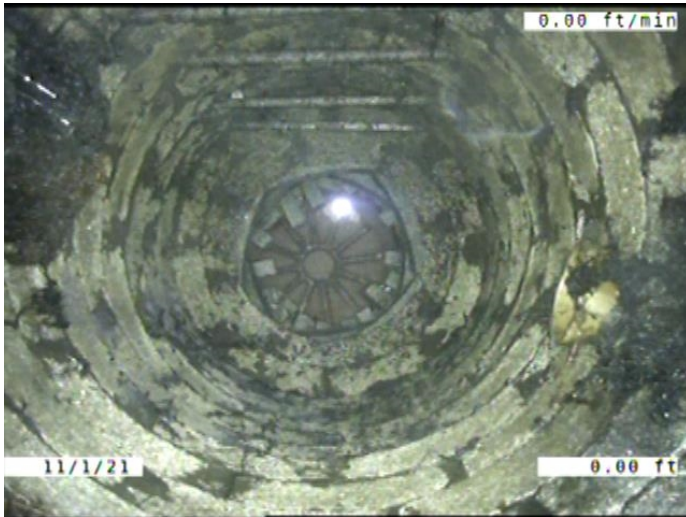
O&M Index:	2.22	O&M Quick:	423A	O&M Rating:	60.00
Structural Index:	2.42	Structural Quick:	4133	Structural Rating:	29.00
Overall Index:	2.28	Overall Quick:	433B	Overall Rating:	89.00

	Position	Code	Observation	Video (sec)	Grade
	.0	AMH	Manhole	1	NA
	.0	MWL	Miscellaneous Water Level	68	NA
	2.9	RMJ	Roots Medium Joint	117	M 3
	4.6	DSF	Deposits Settled Fine	167	M 2
	5.7	RMJ	Roots Medium Joint	199	M 3
	8.4	RFJ	Roots Fine Joint	257	M 1
	9.4	TFC	Tap Factory Capped	285	NA
	11.6	TFC	Tap Factory Capped	319	NA
	13.0	RFJ	Roots Fine Joint	356	M 1
	20.8	RMJ	Roots Medium Joint	441	M 3
	23.2	RMJ	Roots Medium Joint	499	M 3
	31.9	CL	Crack Longitudinal	581	S 2
	32.6	SSS	Surface Damage Surface Spalling	612	S 2
	33.0	TBD	Tap Break-in/Hammer Defective	634	M 3
	38.8	RMJ	Roots Medium Joint	695	M 3
	39.1	JAM	Joint Angular Medium	732	S 3
	41.4	RBJ	Roots Ball Joint	777	M 4
	44.3	RFJ	Roots Fine Joint	837	M 1
	45.3	TFC	Tap Factory Capped	866	NA



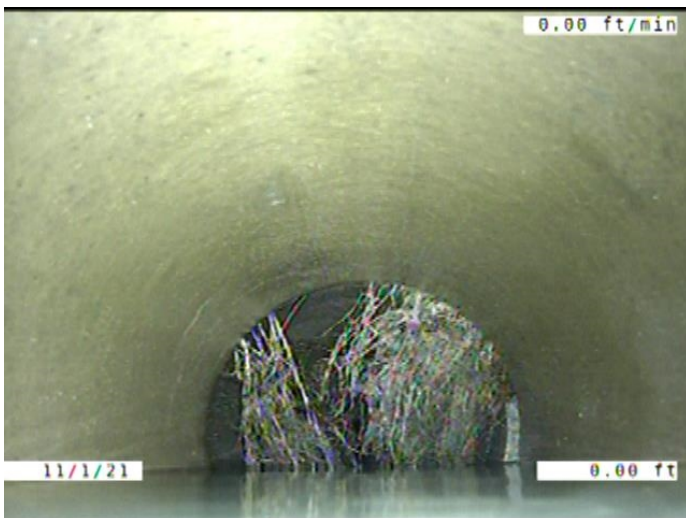
49.4	RFJ	Roots Fine Joint	932	M 1
51.7	RMJ	Roots Medium Joint	997	M 3
54.8	RMJ	Roots Medium Joint	1091	M 3
54.8	SZ	Surface Damage Other	1118	NA
57.0	RBJ	Roots Ball Joint	1170	M 4
59.8	RMJ	Roots Medium Joint	1233	M 3
61.7	MWL	Miscellaneous Water Level	1275	NA
69.3	MWL	Miscellaneous Water Level	1365	NA
70.6	JAM	Joint Angular Medium	1412	S 3
75.9	FM	Fracture Multiple	1478	S 4
76.7	TBI	Tap Break-in Intruding	1499	M 2
82.1	TFD	Tap Factory Defective	1548	M 3
83.8	SSS	Surface Damage Surface Spalling	1582	S 2
84.7	TFC	Tap Factory Capped	1612	NA
91.7	RFJ	Roots Fine Joint	1690	M 1
112.3	CM	Crack Multiple	1831	S 3
115.4	RFJ	Roots Fine Joint	1876	M 1
124.2	TFD	Tap Factory Defective	1949	M 3
126.7	TFD	Tap Factory Defective	1992	M 3
129.6	SSS	Surface Damage Surface Spalling	2087	S 2
130.3	TBI	Tap Break-in Intruding	2112	M 2
133.7	SSS	Surface Damage Surface Spalling	2176	S 2
133.7	CL	Crack Longitudinal	2194	S 2
136.2	RFJ	Roots Fine Joint	2237	M 1
138.6	RFJ	Roots Fine Joint	2276	M 1
141.3	RFJ	Roots Fine Joint	2317	M 1
151.6	RFJ	Roots Fine Joint	2421	M 1
153.4	SSS	Surface Damage Surface Spalling	2464	S 2
154.4	SSS	Surface Damage Surface Spalling	2493	S 2
155.8	AMH	Manhole	2591	NA

M-504-030



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-504-031**



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: **15.000**
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



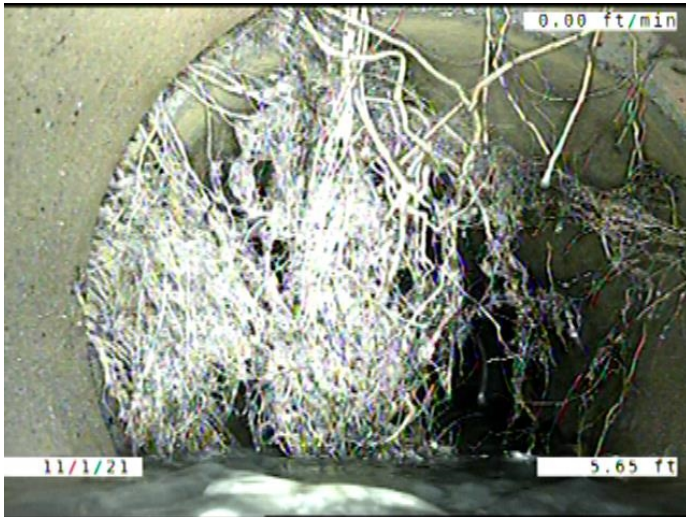
Code: **RMJ**
Description: **Roots Medium Joint**

Distance (ft): **2.9**
Structural Grade: **0**
O&M Grade: **3**
Clock Start/From: **9**
Clock To: **3**
1st Value:
2nd Value:
Value Percent: **50.000**
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



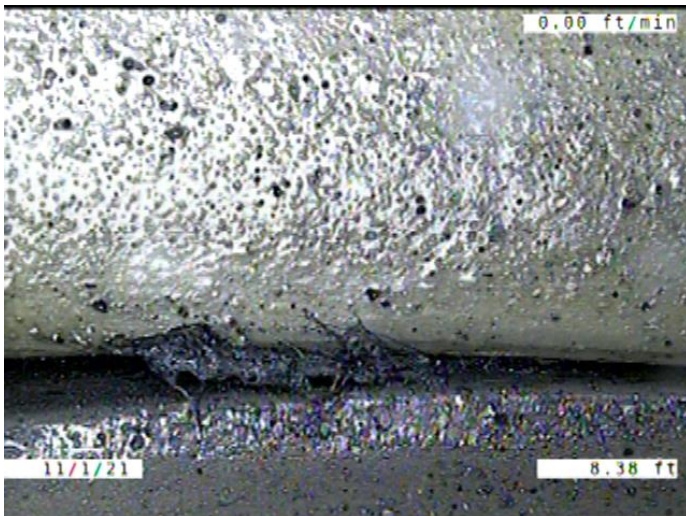
Code: **DSF**
Description: **Deposits Settled Fine**

Distance (ft): **4.6**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **4**
Clock To: **8**
1st Value:
2nd Value:
Value Percent: **10.000**
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



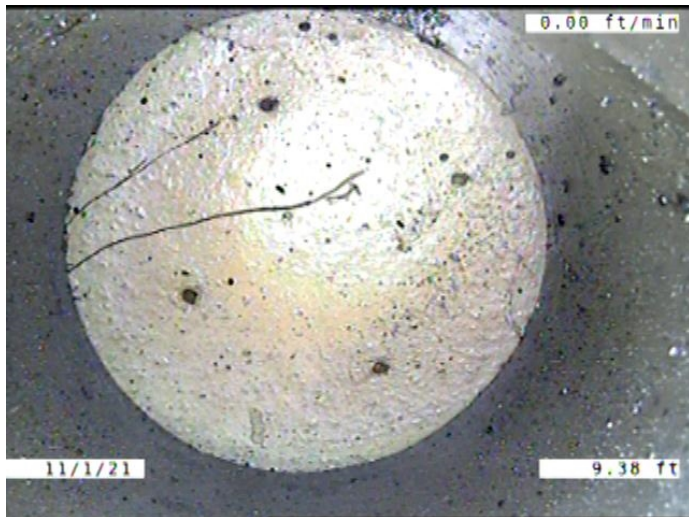
Code: **RMJ**
 Description: **Roots Medium Joint**

Distance (ft): **5.7**
 Structural Grade: **0**
 O&M Grade: **3**
 Clock Start/From: **7**
 Clock To: **3**
 1st Value:
 2nd Value:
 Value Percent: **50.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



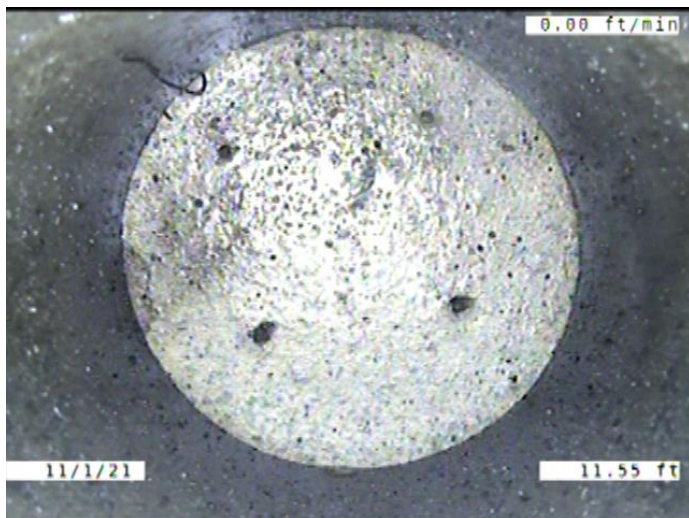
Code: **RFJ**
 Description: **Roots Fine Joint**

Distance (ft): **8.4**
 Structural Grade: **0**
 O&M Grade: **1**
 Clock Start/From: **9**
 Clock To: **1**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



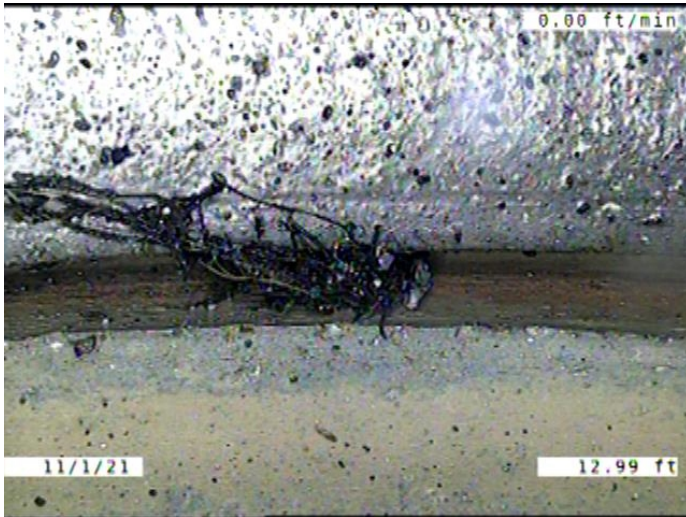
Code: **TFC**
 Description: **Tap Factory Capped**

Distance (ft): **9.4**
 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: **ROOTS GROWING AROUND THE CAP**



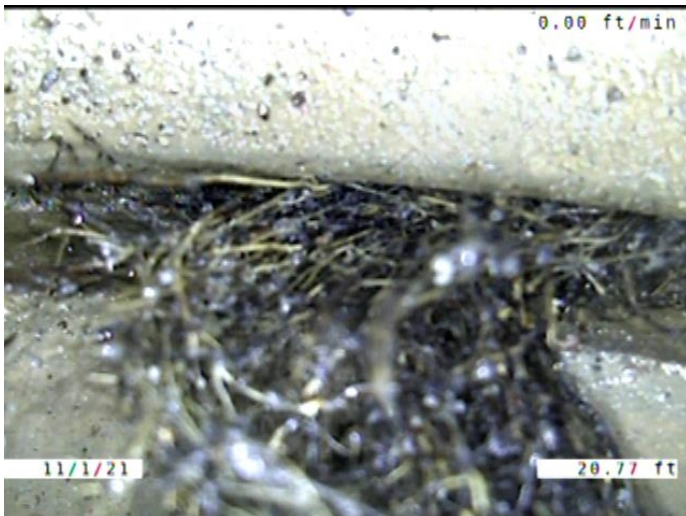
Code: **TFC**
 Description: **Tap Factory Capped**

Distance (ft): **11.6**
 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:



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

Distance (ft): **13.0**
 Structural Grade: **0**
 O&M Grade: **1**
 Clock Start/From: **9**
 Clock To: **10**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



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

Distance (ft): **20.8**
 Structural Grade: **0**
 O&M Grade: **3**
 Clock Start/From: **12**
 Clock To: **3**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



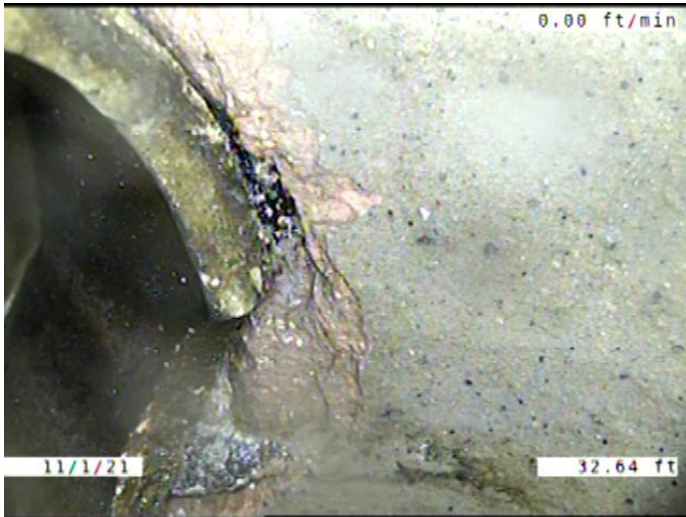
Code: **RMJ**
 Description: **Roots Medium Joint**

Distance (ft): **23.2**
 Structural Grade: **0**
 O&M Grade: **3**
 Clock Start/From: **9**
 Clock To: **11**
 1st Value:
 2nd Value:
 Value Percent: **15.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



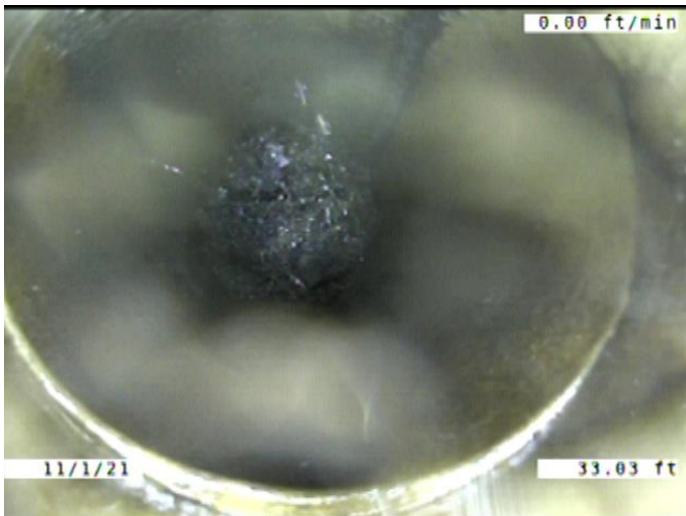
Code: **CL**
 Description: **Crack Longitudinal**

Distance (ft): **31.9**
 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): **32.6**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From: **11**
 Clock To: **1**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



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

Distance (ft): **33.0**
 Structural Grade: **0**
 O&M Grade: **3**
 Clock Start/From: **12**
 Clock To:
 1st Value: **4.000**
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks: **CONSTANTLY RUNNING WATER.
 LOOKS TO BE 100% PLUGGED WITH**



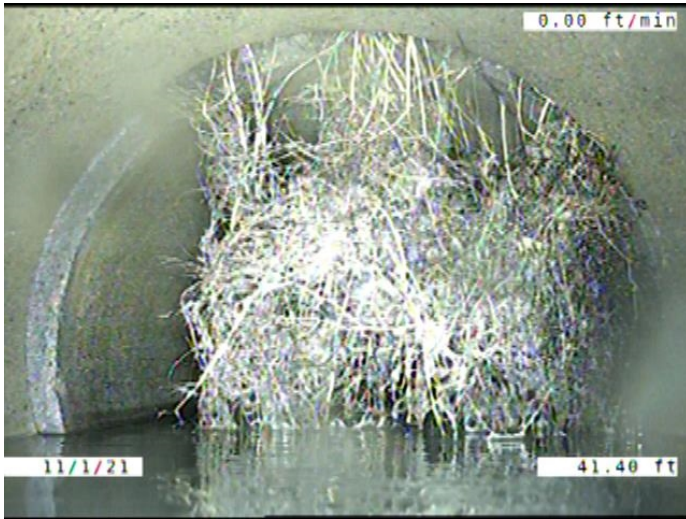
Code: **RMJ**
 Description: **Roots Medium Joint**

Distance (ft): **38.8**
 Structural Grade: **0**
 O&M Grade: **3**
 Clock Start/From: **9**
 Clock To: **11**
 1st Value:
 2nd Value:
 Value Percent: **25.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



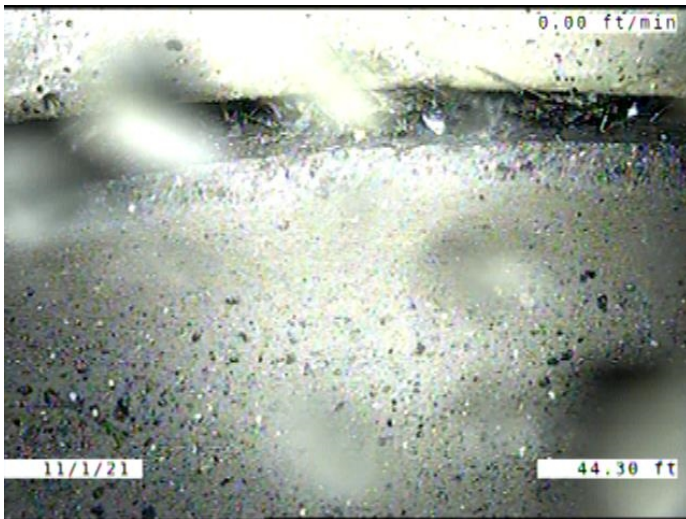
Code: **JAM**
 Description: **Joint Angular Medium**

Distance (ft): **39.1**
 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:



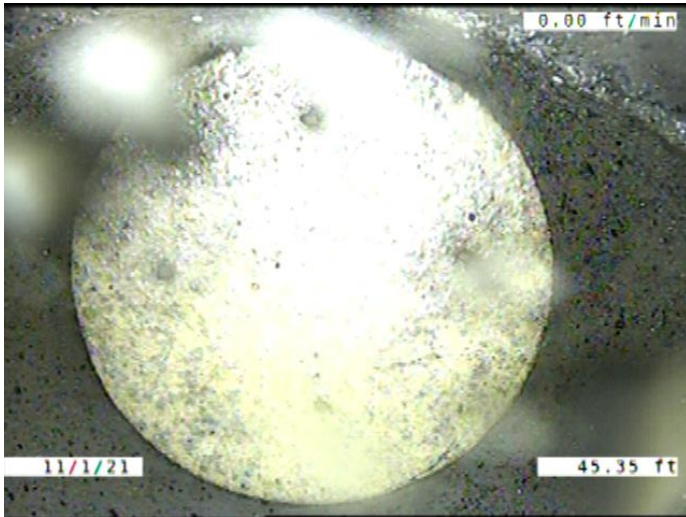
Code: **RBJ**
 Description: **Roots Ball Joint**

Distance (ft): **41.4**
 Structural Grade: **0**
 O&M Grade: **4**
 Clock Start/From: **11**
 Clock To: **4**
 1st Value:
 2nd Value:
 Value Percent: **60.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



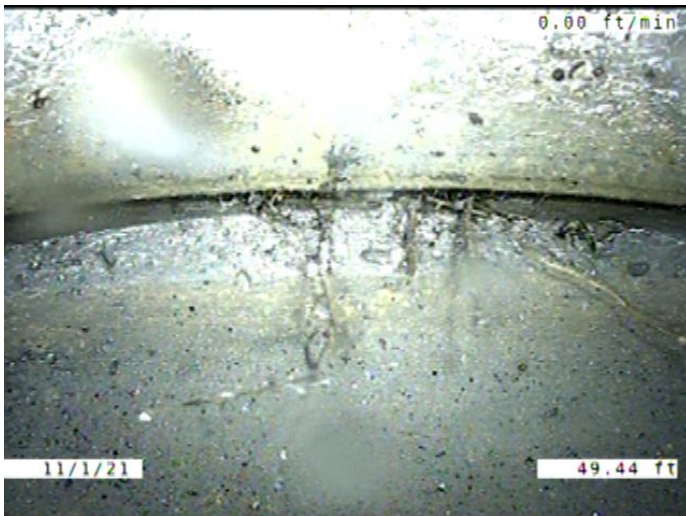
Code: **RFJ**
 Description: **Roots Fine Joint**

Distance (ft): **44.3**
 Structural Grade: **0**
 O&M Grade: **1**
 Clock Start/From: **8**
 Clock To: **11**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



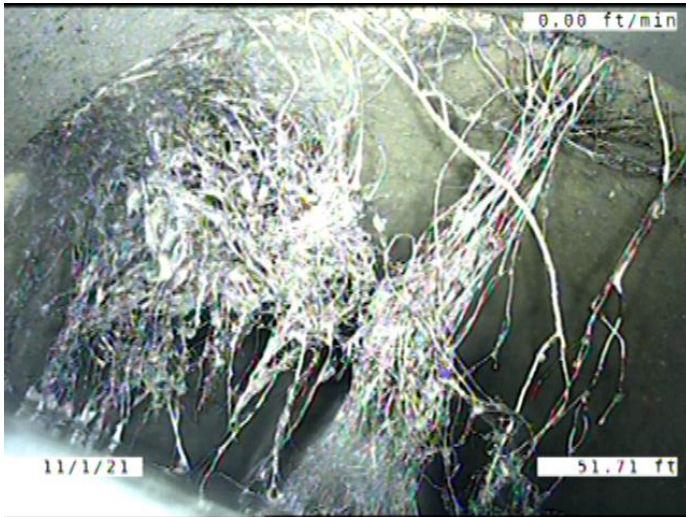
Code: **TFC**
Description: **Tap Factory Capped**

Distance (ft): **45.3**
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:



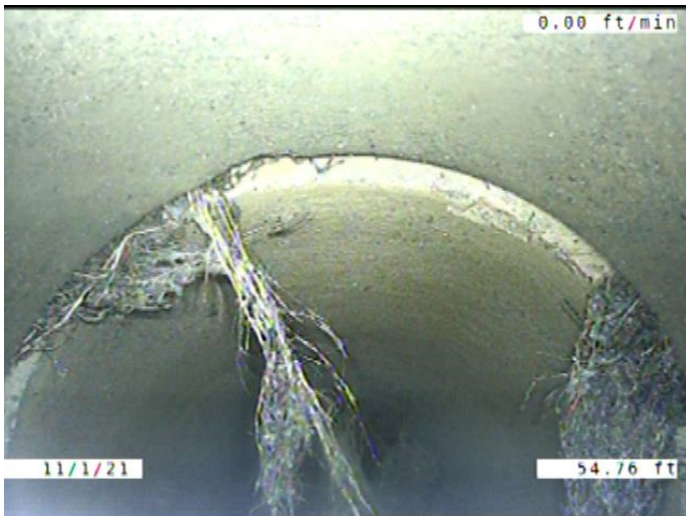
Code: **RFJ**
Description: **Roots Fine Joint**

Distance (ft): **49.4**
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:



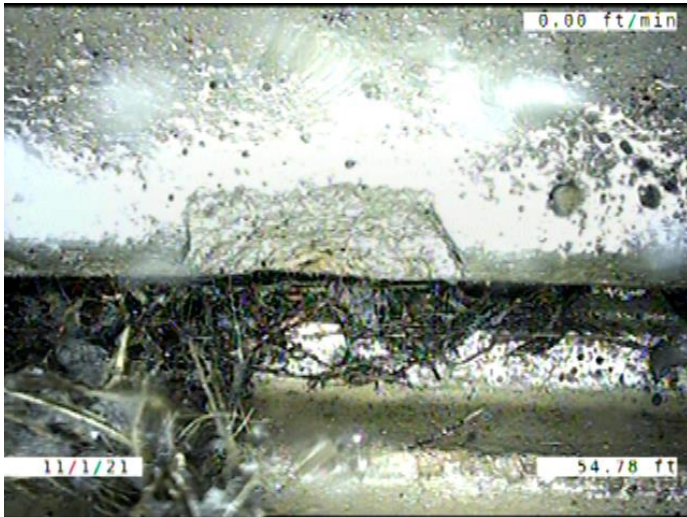
Code: **RMJ**
 Description: **Roots Medium Joint**

Distance (ft): **51.7**
 Structural Grade: **0**
 O&M Grade: **3**
 Clock Start/From: **10**
 Clock To: **2**
 1st Value:
 2nd Value:
 Value Percent: **20.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



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

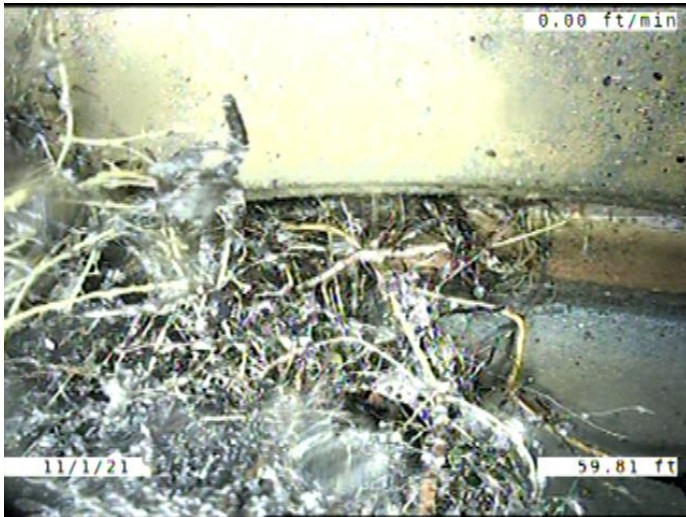
Distance (ft): **54.8**
 Structural Grade: **0**
 O&M Grade: **3**
 Clock Start/From: **9**
 Clock To: **3**
 1st Value:
 2nd Value:
 Value Percent: **15.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



Code:	SZ
Description:	Surface Damage Other
Distance (ft):	54.8
Structural Grade:	0
O&M Grade:	0
Clock Start/From:	11
Clock To:	12
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	A PIECE CHIPPED AWAY FROM THE JOINT

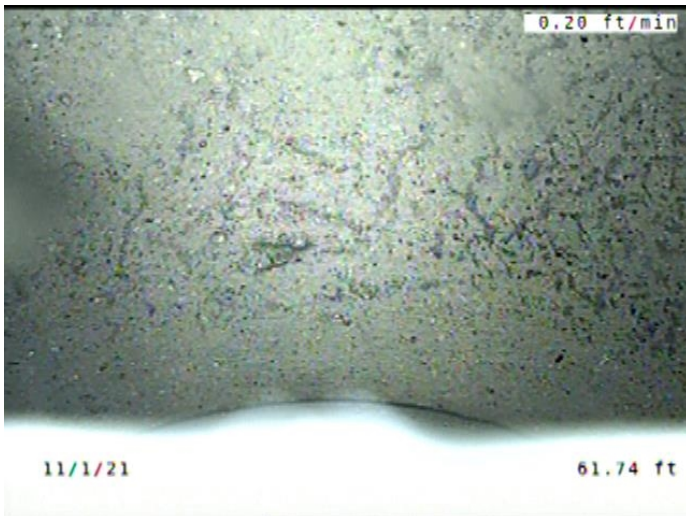


Code:	RBJ
Description:	Roots Ball Joint
Distance (ft):	57.0
Structural Grade:	0
O&M Grade:	4
Clock Start/From:	9
Clock To:	3
1st Value:	
2nd Value:	
Value Percent:	80.000
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



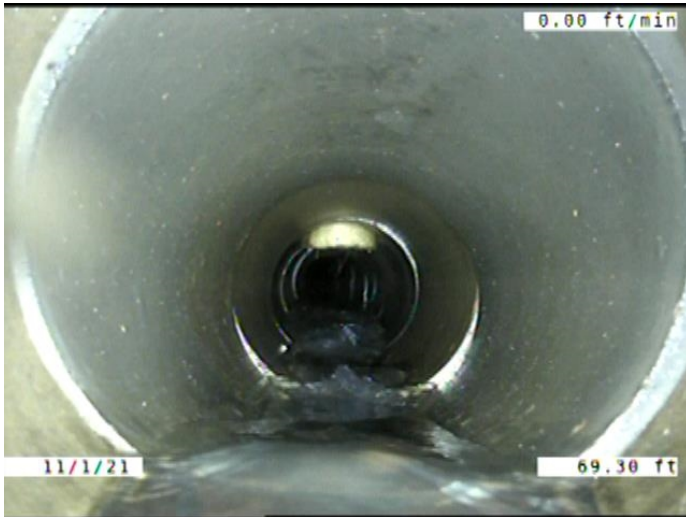
Code: **RMJ**
 Description: **Roots Medium Joint**

Distance (ft): **59.8**
 Structural Grade: **0**
 O&M Grade: **3**
 Clock Start/From: **9**
 Clock To: **11**
 1st Value:
 2nd Value:
 Value Percent: **25.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



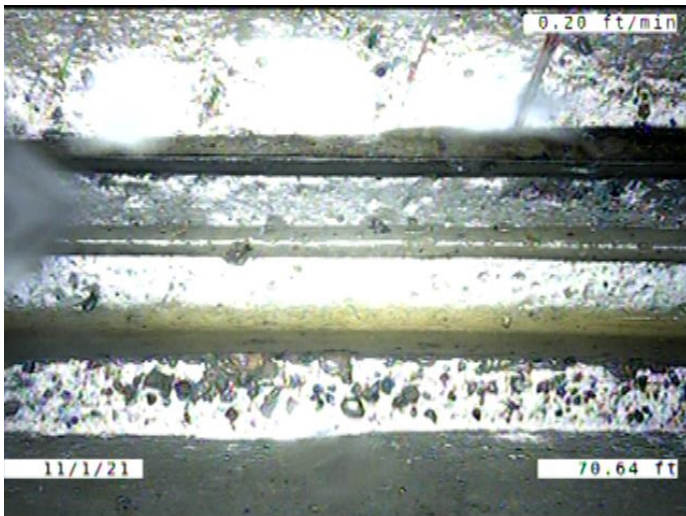
Code: **MWL**
 Description: **Miscellaneous Water Level**

Distance (ft): **61.7**
 Structural Grade: **0**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **25.000**
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks:



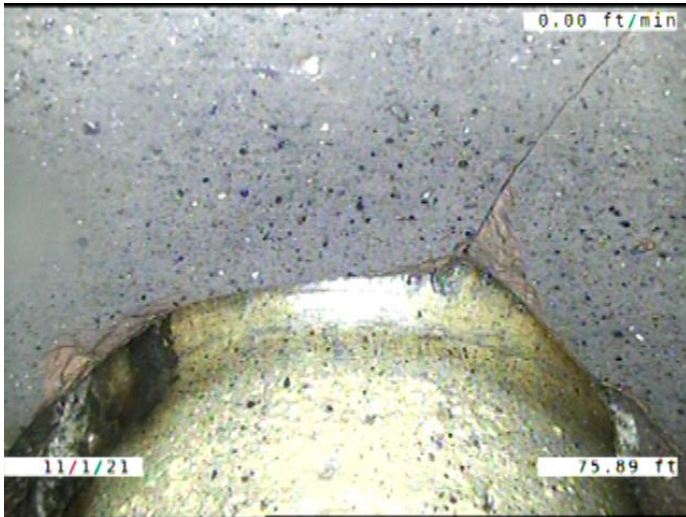
Code: **MWL**
Description: **Miscellaneous Water Level**

Distance (ft): **69.3**
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:



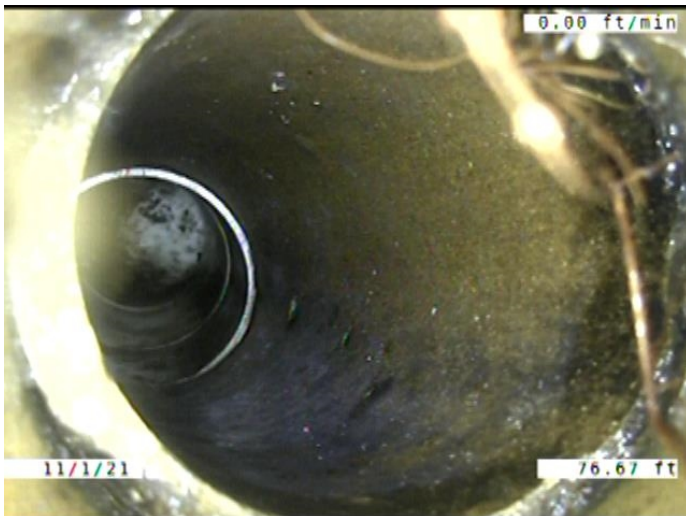
Code: **JAM**
Description: **Joint Angular Medium**

Distance (ft): **70.6**
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:



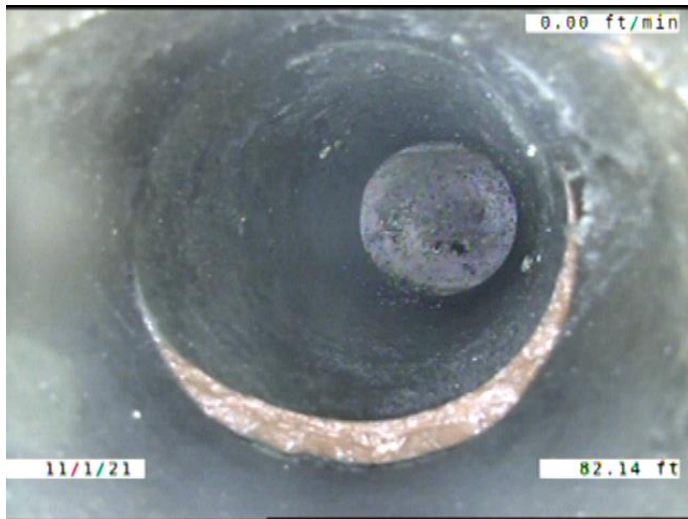
Code: **FM**
Description: **Fracture Multiple**

Distance (ft): **75.9**
Structural Grade: **4**
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:



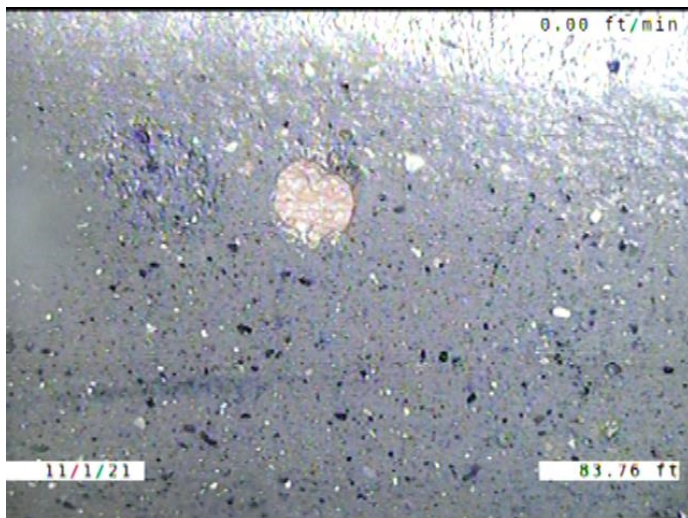
Code: **TBI**
Description: **Tap Break-in Intruding**

Distance (ft): **76.7**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **12**
Clock To:
1st Value: **4.000**
2nd Value: **1.000**
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks: **ROOTS GROWING FROM THE JOINT.
CONSTANTLY DRIPPING WATER**



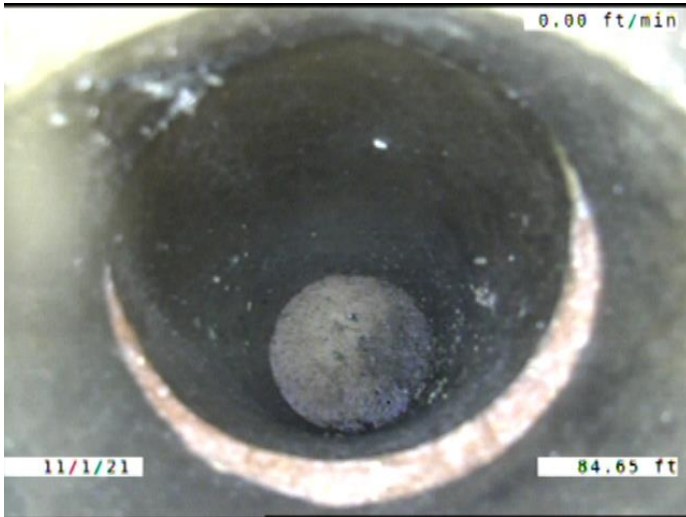
Code: **TFD**
 Description: **Tap Factory Defective**

Distance (ft): **82.1**
 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: **CAPPED. OFFSET. SOIL VISIBLE.**



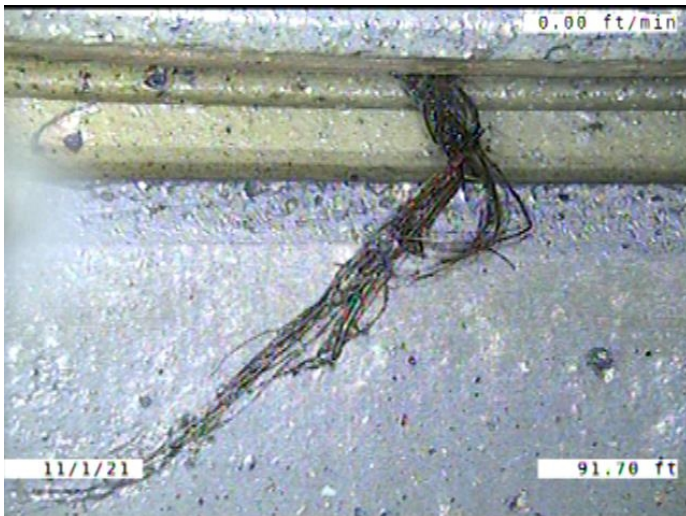
Code: **SSS**
 Description: **Surface Damage Surface Spalling**

Distance (ft): **83.8**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From: **2**
 Clock To:
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



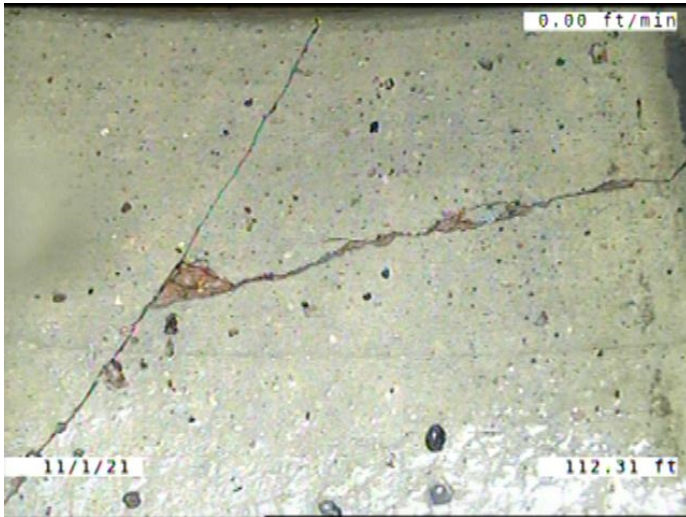
Code: **TFC**
 Description: **Tap Factory Capped**

Distance (ft): **84.7**
 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:



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

Distance (ft): **91.7**
 Structural Grade: **0**
 O&M Grade: **1**
 Clock Start/From: **10**
 Clock To:
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



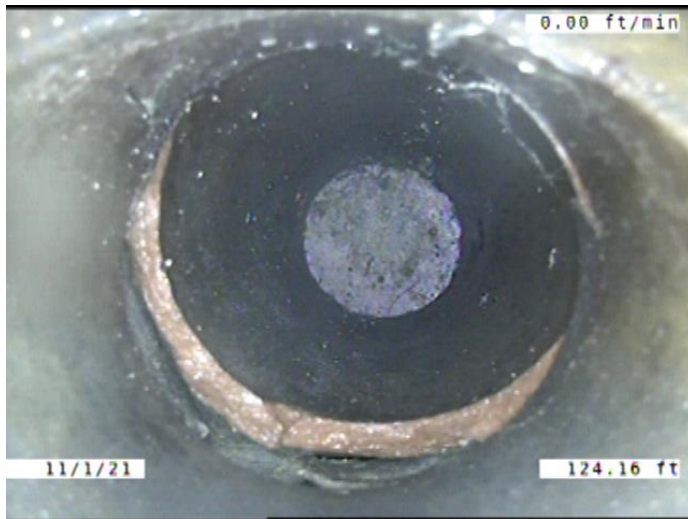
Code: **CM**
 Description: **Crack Multiple**

Distance (ft): **112.3**
 Structural Grade: **3**
 O&M Grade: **0**
 Clock Start/From: **7**
 Clock To: **10**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



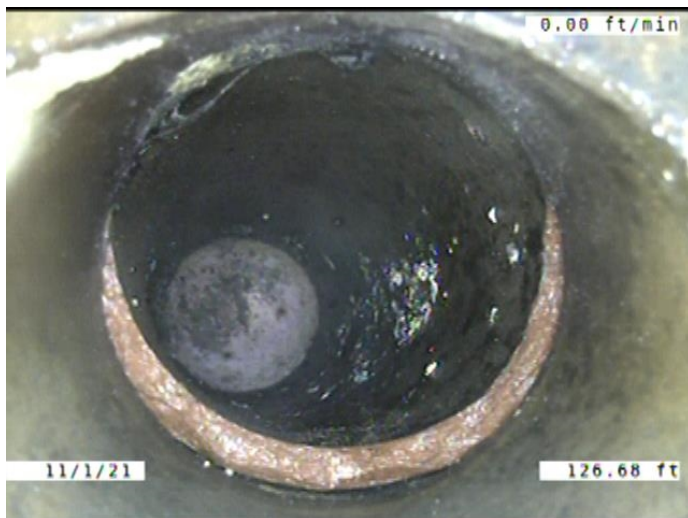
Code: **RFJ**
 Description: **Roots Fine Joint**

Distance (ft): **115.4**
 Structural Grade: **0**
 O&M Grade: **1**
 Clock Start/From: **10**
 Clock To:
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



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

Distance (ft): **124.2**
 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: **CAPPED. LARGE OFFSET. SOIL VISIBLE.**



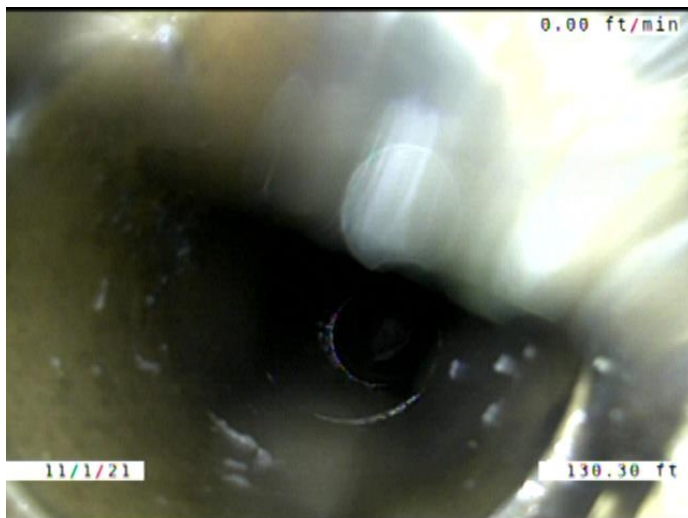
Code: **TFD**
 Description: **Tap Factory Defective**

Distance (ft): **126.7**
 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: **CAPPED. OFFSET. SOIL VISIBLE.**



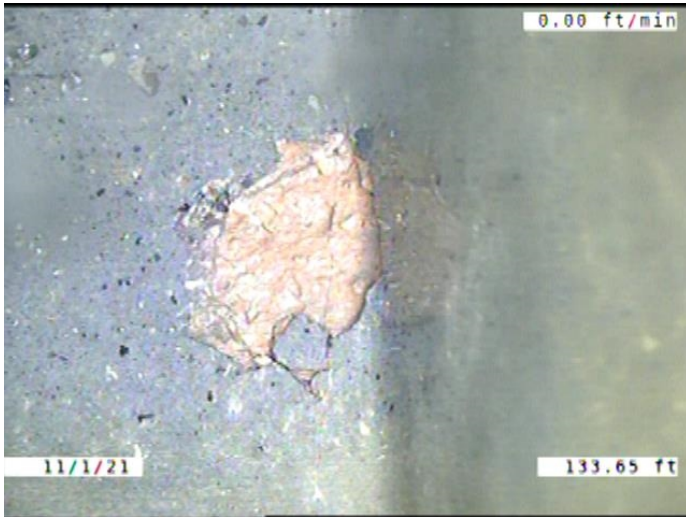
Code: **SSS**
 Description: **Surface Damage Surface Spalling**

Distance (ft): **129.6**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From: **12**
 Clock To: **12**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



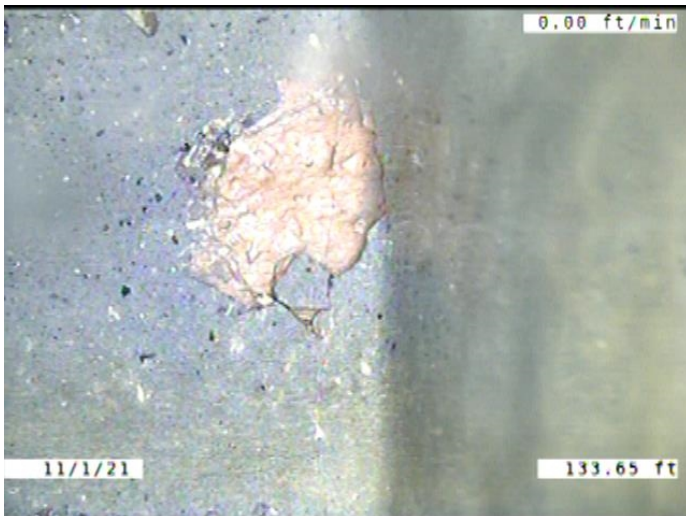
Code: **TBI**
 Description: **Tap Break-in Intruding**

Distance (ft): **130.3**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **12**
 Clock To:
 1st Value: **4.000**
 2nd Value: **1.000**
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks: **CONSTANTLY RUNNING WATER.**



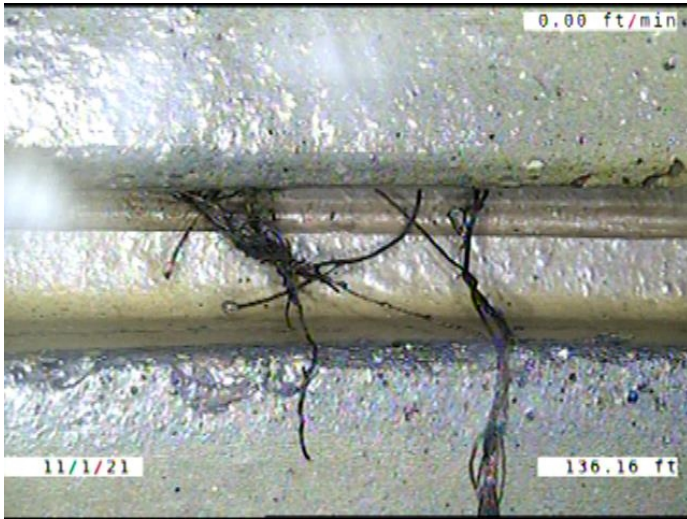
Code: **SSS**
Description: **Surface Damage Surface Spalling**

Distance (ft): **133.7**
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: **YES**
Remarks:



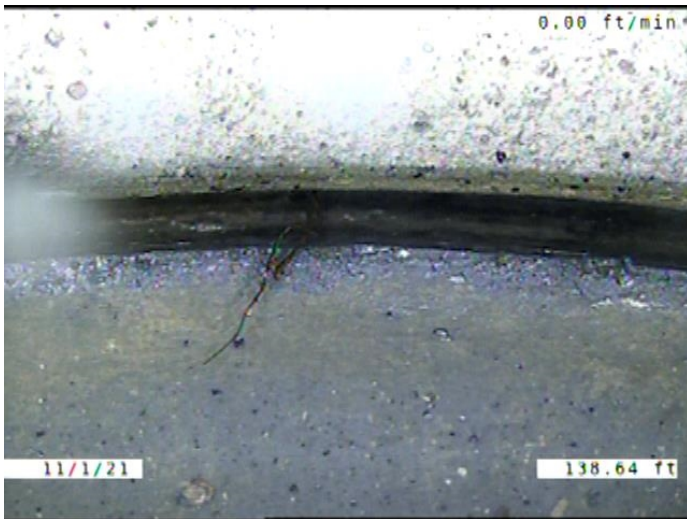
Code: **CL**
Description: **Crack Longitudinal**

Distance (ft): **133.7**
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: **YES**
Remarks:



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

Distance (ft): **136.2**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **10**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



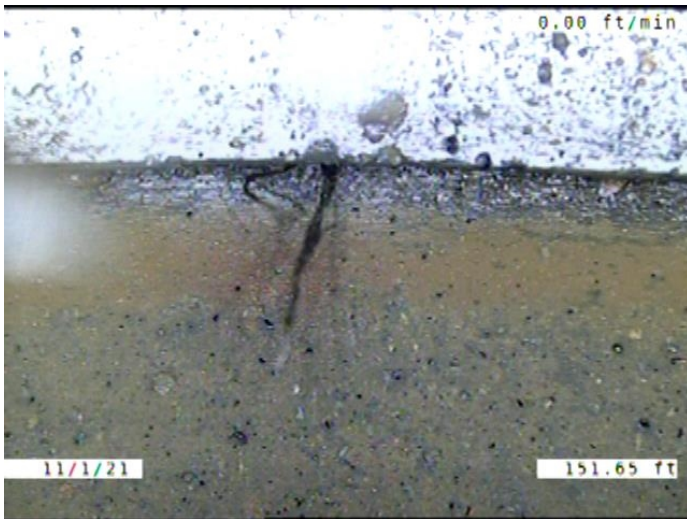
Code: **RFJ**
Description: **Roots Fine Joint**

Distance (ft): **138.6**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **11**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



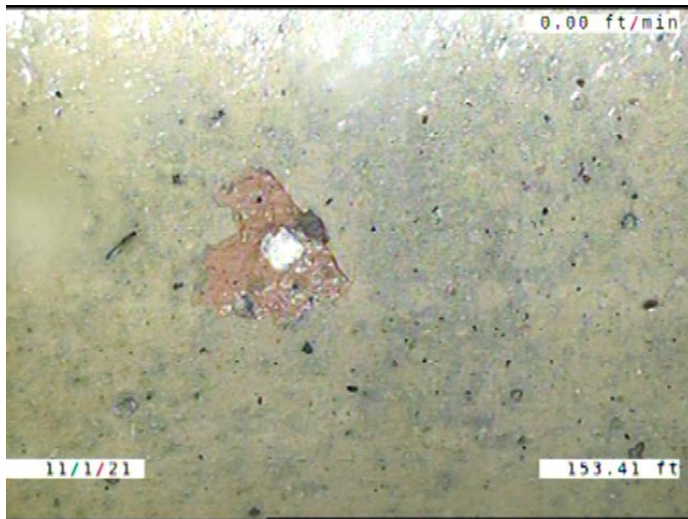
Code: **RFJ**
Description: **Roots Fine Joint**

Distance (ft): **141.3**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **10**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



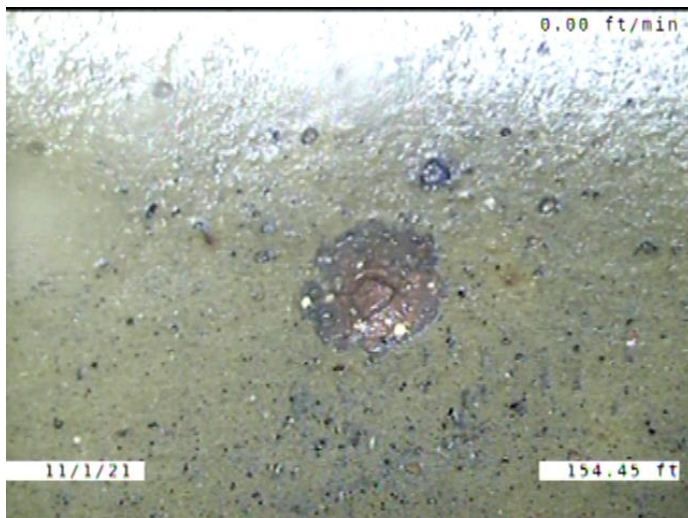
Code: **RFJ**
Description: **Roots Fine Joint**

Distance (ft): **151.6**
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: **YES**
Remarks:



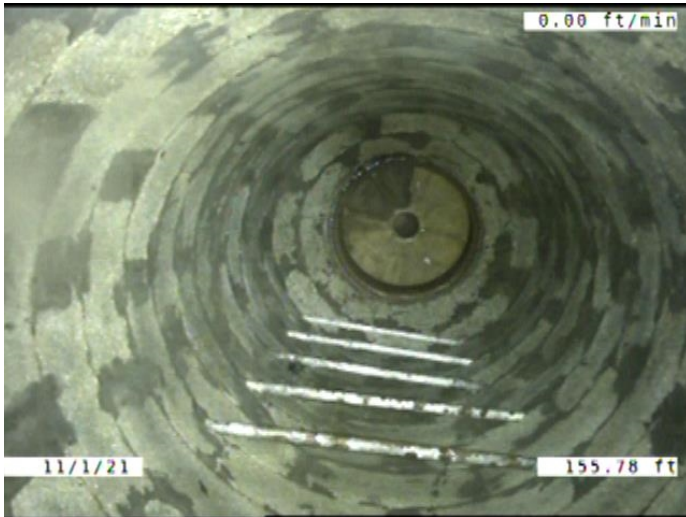
Code: **SSS**
Description: **Surface Damage Surface Spalling**

Distance (ft): **153.4**
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: **SSS**
Description: **Surface Damage Surface Spalling**

Distance (ft): **154.4**
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:	AMH
Description:	Manhole
Distance (ft):	155.8
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-504-030