

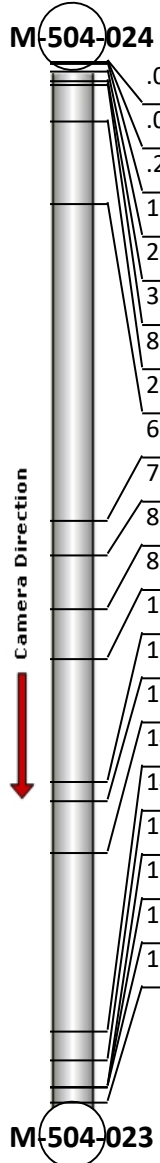
Profile/Photo Observation Report

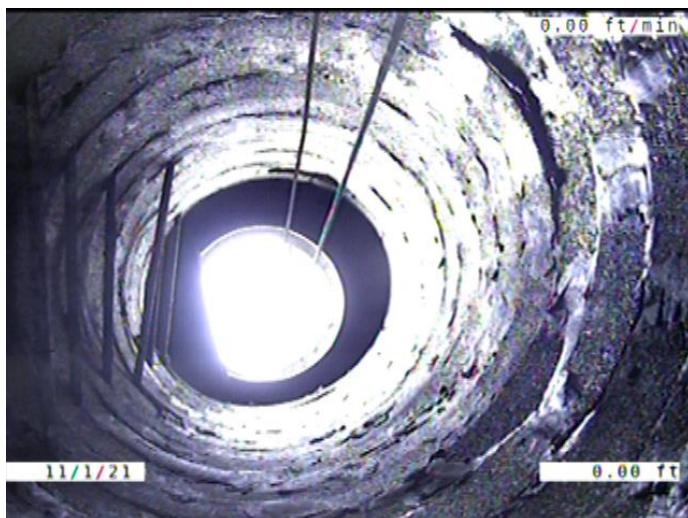


Date:	11/01/2021	Weather:		Coding:	PACP 7.0
Pipe Length (ft):	153.3	Owner:	City of Hobart	Pre Clean:	Heavy Cleaning
P.O.#:	YES502259	Surveyor:	S. Bucklin	PSR:	P-504-023-024
Customer:	City of Hobart	Clean Date:	10/28/2021	Shape:	C

Street:	West Cleveland Avenue	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-504-024	DS MH:	M-504-023
		Total Length Surveyed (ft):	153.3

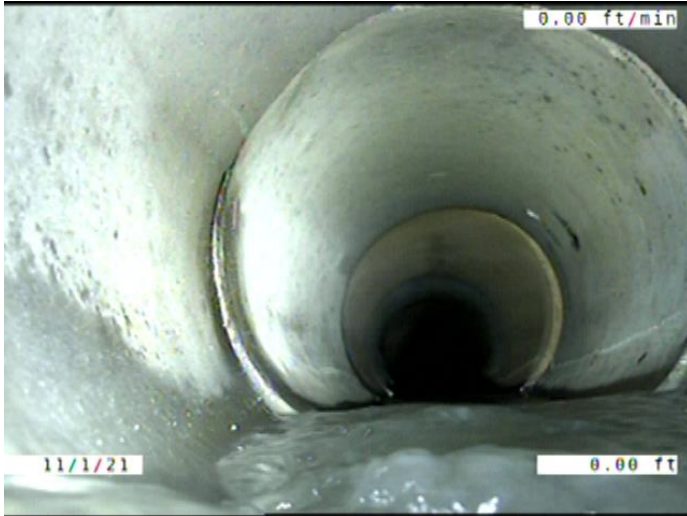
O&M Index:	2.00	O&M Quick:	4131	O&M Rating:	16.00
Structural Index:	3.50	Structural Quick:	5144	Structural Rating:	28.00
Overall Index:	2.75	Overall Quick:	5145	Overall Rating:	44.00

	Position	Code	Observation	Video (sec)	Grade
	.0	AMH	Manhole	1	NA
	.0	MWL	Miscellaneous Water Level	79	NA
	.2	SMW	Surface Damage Missing Wall	112	S 5
	1.5	ISJ	Infiltration Stain Joint	125	M 1
	2.8	H	Hole	211	S 4
	3.5	FM	Fracture Multiple	265	S 4
	8.8	FM	Fracture Multiple	344	S 4
	20.8	SSS	Surface Damage Surface Spalling	440	S 2
	67.5	SZ	Surface Damage Other	681	NA
	72.6	RBJ	Roots Ball Joint	742	M 4
	80.5	RFJ	Roots Fine Joint	802	M 1
	88.1	RMJ	Roots Medium Joint	883	M 3
	106.1	RTJ	Roots Tap Joint	1051	M 2
	109.0	RFJ	Roots Fine Joint	1115	M 1
	116.6	MWL	Miscellaneous Water Level	1177	NA
	142.7	FM	Fracture Multiple	1428	S 4
	147.2	OBZ	Obstruction Other	1486	M 2
	151.0	OBN	Obstruction Construction Debris	1564	M 2
	151.0	JAM	Joint Angular Medium	1603	S 3
	151.0	CS	Crack Spiral	1625	S 2
	153.3	AMH	Manhole	1767	NA



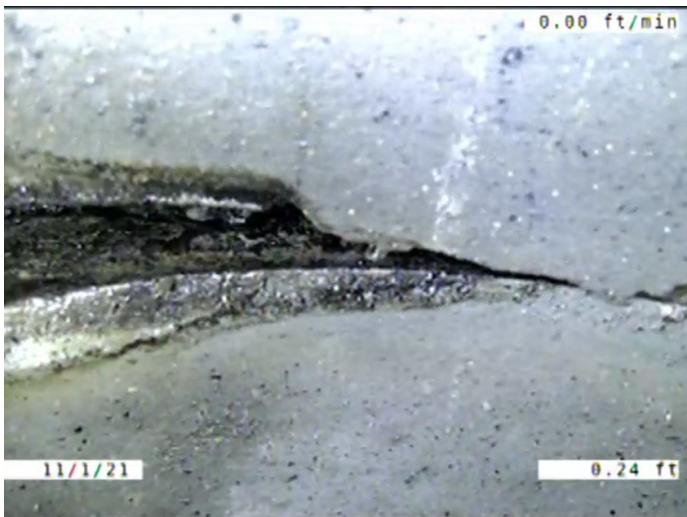
Code: **AMH**
 Description: **Manhole**

 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-504-024**



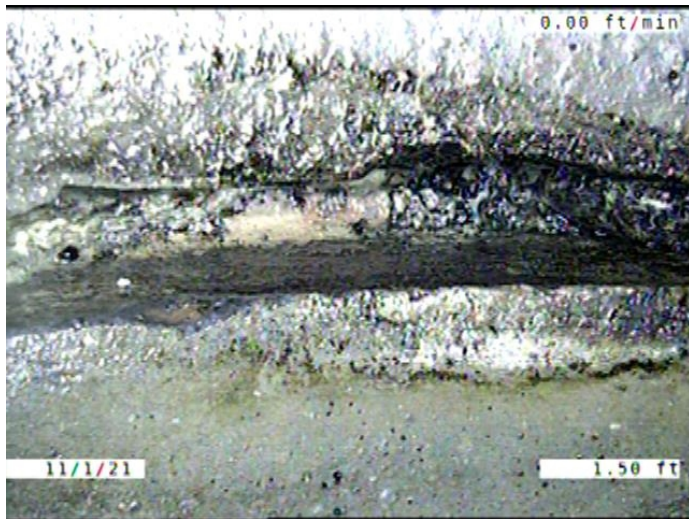
Code: **MWL**
Description: **Miscellaneous Water Level**

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:



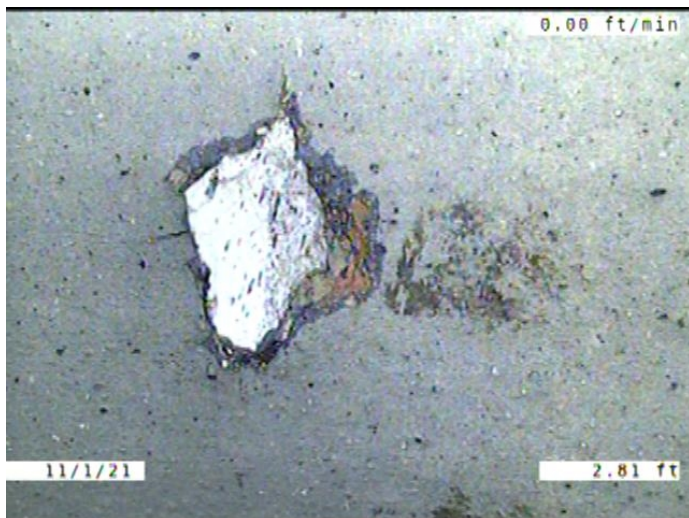
Code: **SMW**
Description: **Surface Damage Missing Wall**

Distance (ft): **.2**
Structural Grade: **5**
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:



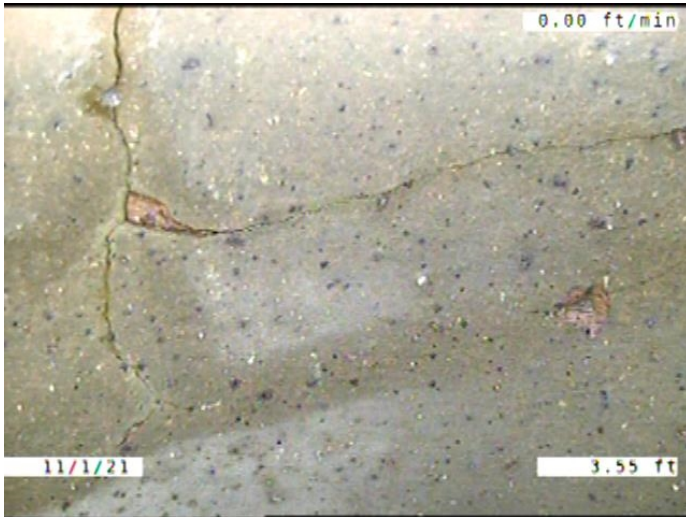
Code: **ISJ**
Description: **Infiltration Stain Joint**

Distance (ft): **1.5**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **8**
Clock To: **10**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



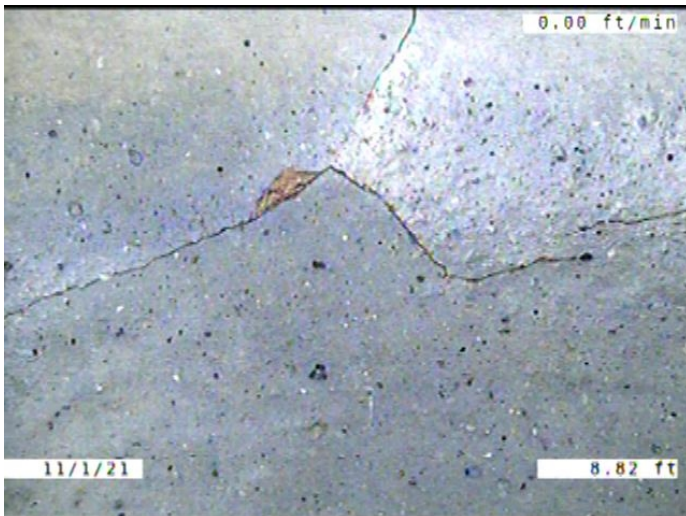
Code: **H**
Description: **Hole**

Distance (ft): **2.8**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **2**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



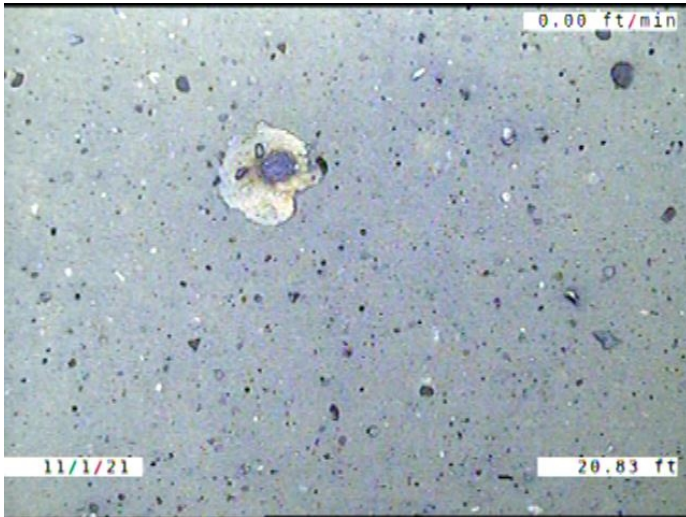
Code: **FM**
Description: **Fracture Multiple**

Distance (ft): **3.5**
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:



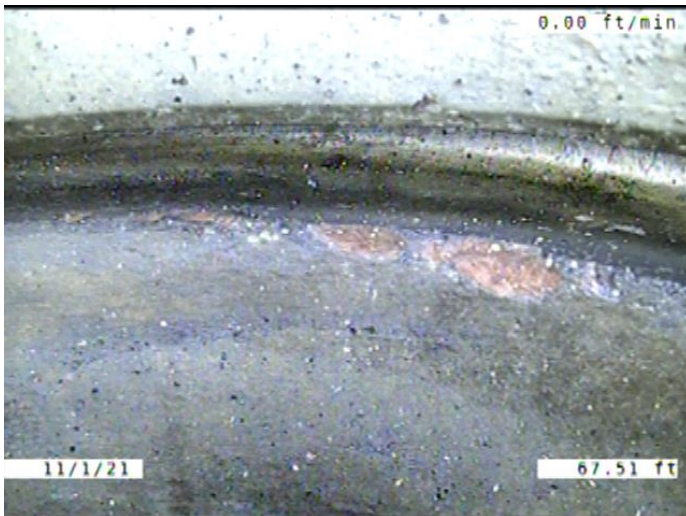
Code: **FM**
Description: **Fracture Multiple**

Distance (ft): **8.8**
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: **YES**
Remarks:



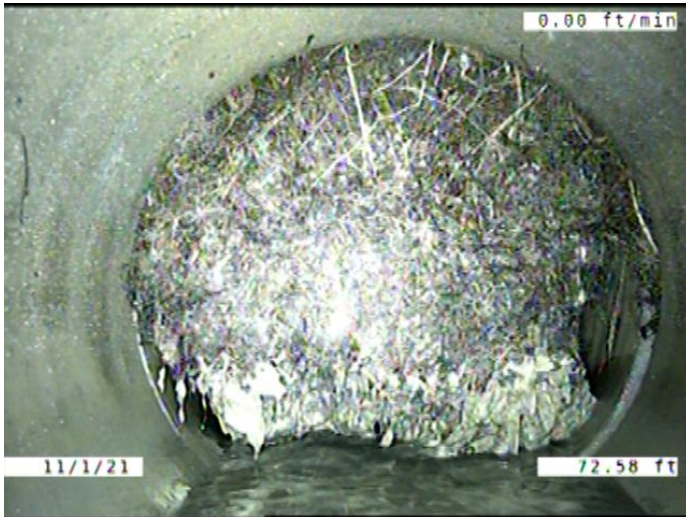
Code: **SSS**
 Description: **Surface Damage Surface Spalling**

Distance (ft): **20.8**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From: **10**
 Clock To:
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



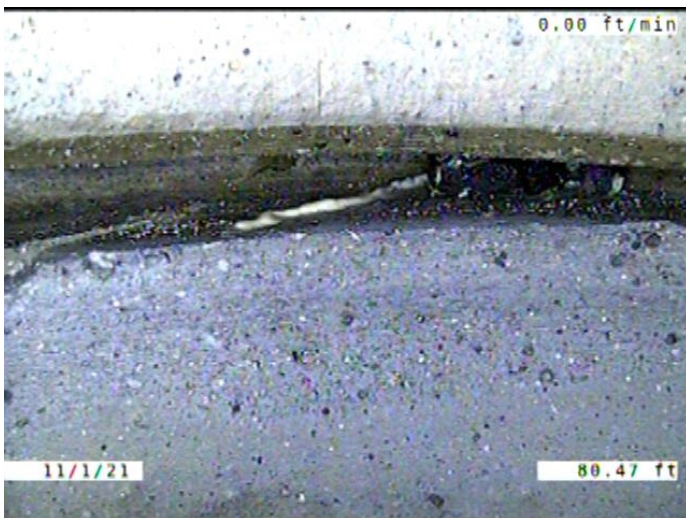
Code: **SZ**
 Description: **Surface Damage Other**

Distance (ft): **67.5**
 Structural Grade: **0**
 O&M Grade: **0**
 Clock Start/From: **2**
 Clock To: **3**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks: **A FEW PIECES CHIPPED AWAY FROM THE JOINT**



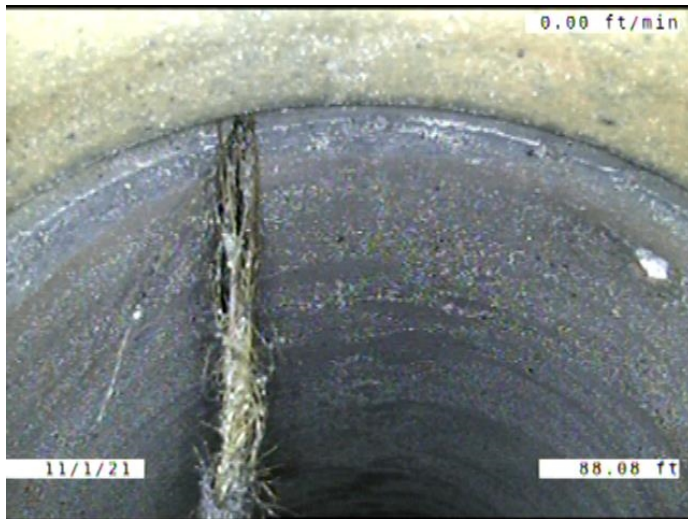
Code: **RBJ**
 Description: **Roots Ball Joint**

Distance (ft): **72.6**
 Structural Grade: **0**
 O&M Grade: **4**
 Clock Start/From: **8**
 Clock To: **3**
 1st Value:
 2nd Value:
 Value Percent: **95.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



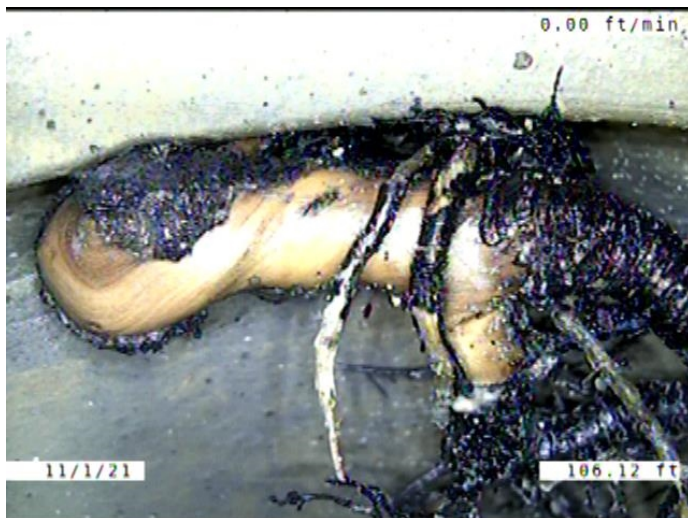
Code: **RFJ**
 Description: **Roots Fine Joint**

Distance (ft): **80.5**
 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:



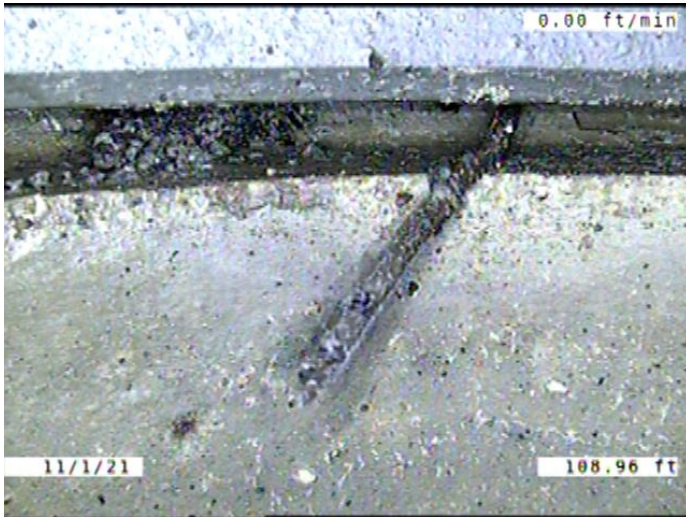
Code: **RMJ**
 Description: **Roots Medium Joint**

Distance (ft): **88.1**
 Structural Grade: **0**
 O&M Grade: **3**
 Clock Start/From: **11**
 Clock To: **12**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



Code: **RTJ**
 Description: **Roots Tap Joint**

Distance (ft): **106.1**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **8**
 Clock To: **2**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



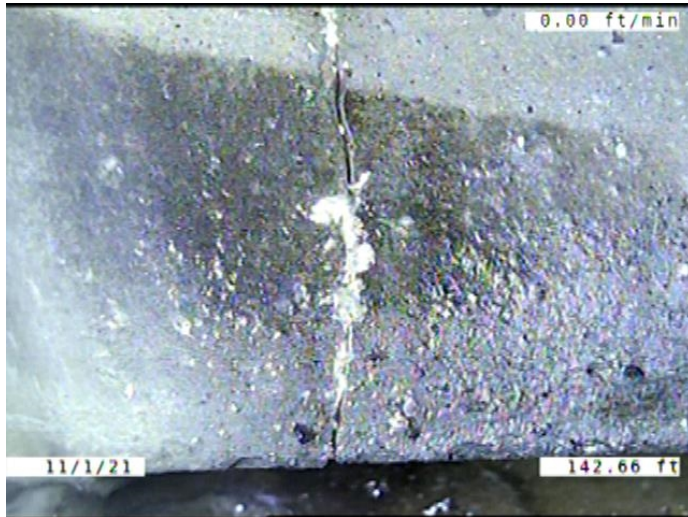
Code: **RFJ**
 Description: **Roots Fine Joint**

Distance (ft): **109.0**
 Structural Grade: **0**
 O&M Grade: **1**
 Clock Start/From: **10**
 Clock To: **11**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



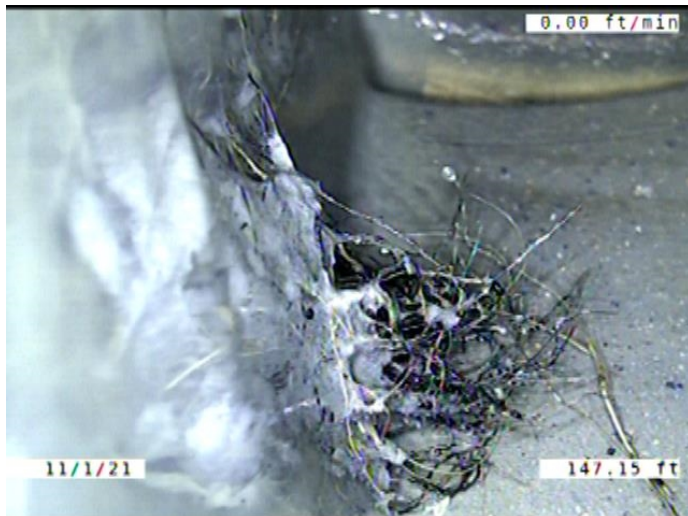
Code: **MWL**
 Description: **Miscellaneous Water Level**

Distance (ft): **116.6**
 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: **FM**
 Description: **Fracture Multiple**

Distance (ft): **142.7**
 Structural Grade: **4**
 O&M Grade: **0**
 Clock Start/From: **3**
 Clock To: **9**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



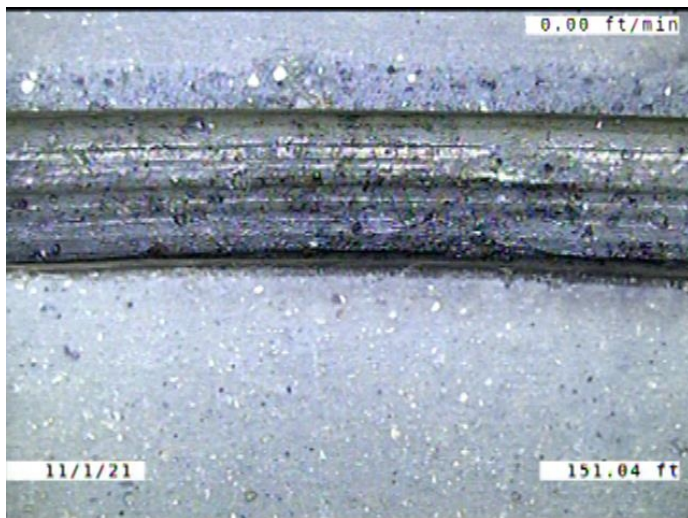
Code: **OBZ**
 Description: **Obstruction Other**

Distance (ft): **147.2**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **4**
 Clock To: **5**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks: **ROOTS THAT HAVE BEEN CUT**



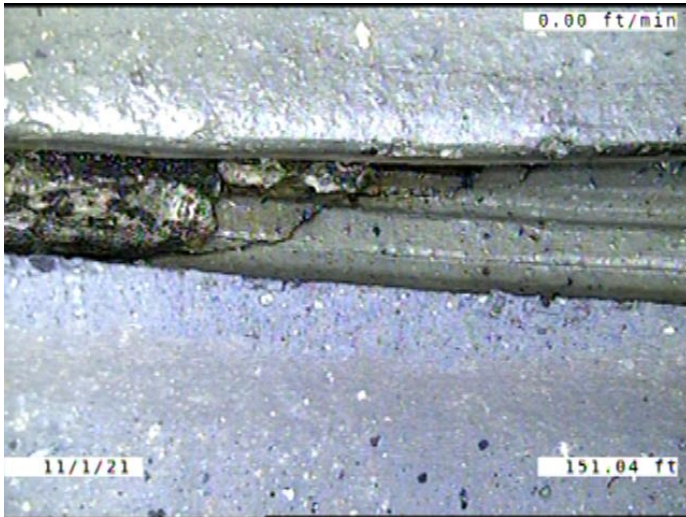
Code: **OBN**
 Description: **Obstruction Construction Debris**

Distance (ft): **151.0**
 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:



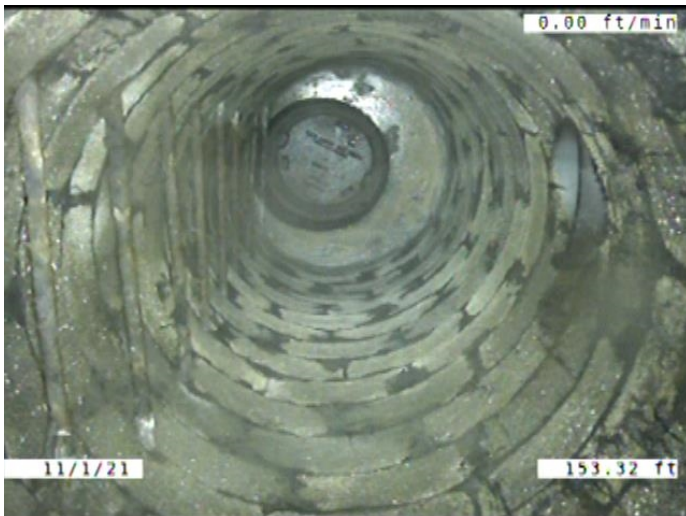
Code: **JAM**
 Description: **Joint Angular Medium**

Distance (ft): **151.0**
 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: **CS**
 Description: **Crack Spiral**

Distance (ft): **151.0**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From: **9**
 Clock To: **10**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



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

Distance (ft): **153.3**
 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-504-023**