

Profile/Photo Observation Report



Date:	09/12/2021	Weather:		Coding:	PACP 7.0
Pipe Length (ft):	330.0	Owner:	City of Hobart	Pre Clean:	Heavy Cleaning
P.O.#:	YES502259	Surveyor:	S. Bucklin	PSR:	P-504-057-056
Customer:	City of Hobart	Clean Date:	09/08/2021	Shape:	C

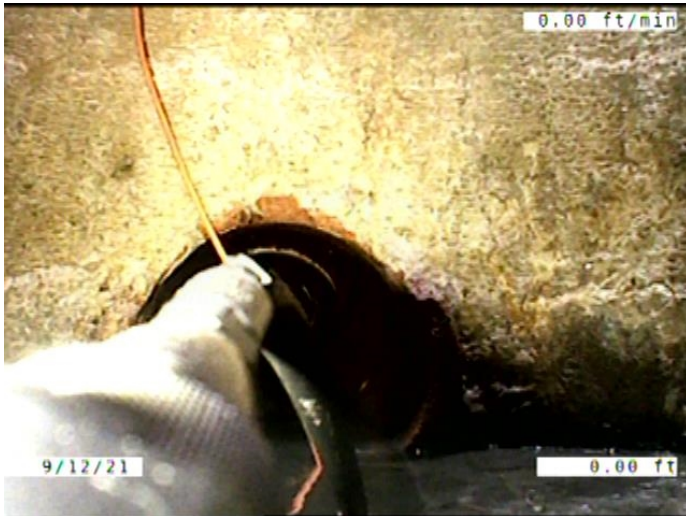
Street:	North Wilson Street	Flow Control:	Not Controlled
City:	Hobart, IN	Year Renewed:	
Location:	Alley	Tape/Media #:	
Purpose:	Routine Assessment	Dia/Height:	12"
Use:	Sanitary Sewage Pipe	Material:	VCP
Drain Area:		Lining:	None
Category:	NA		
Comment:			
Location Details:		Direction of Survey:	Downstream
US MH:	M-504-056	DS MH:	M-504-057
		Total Length Surveyed (ft):	91.5

O&M Index:	1.93	O&M Quick:	352D	O&M Rating:	81.00
Structural Index:	3.46	Structural Quick:	4931	Structural Rating:	45.00
Overall Index:	2.29	Overall Quick:	4936	Overall Rating:	126.00

	Position	Code	Observation	Video (sec)	Grade
	.0	AMH	Manhole	8	NA
	.0	MWL	Miscellaneous Water Level	34	NA
	1.5	MGO	Miscellaneous General Observation	48	NA
	3.2	CM	Crack Multiple	174	S 3
	3.2	DAE	Deposits Attached Encrustation	214	M 2
	3.2	DAE	Deposits Attached Encrustation	251	M 2
	11.5	SSS	Surface Damage Surface Spalling	363	S 2
	20.8	CS	Crack Spiral	606	S 2
	20.8	DAE	Deposits Attached Encrustation	692	M 2
	22.9	ISJ	Infiltration Stain Joint	756	M 1
	22.9	ISJ	Infiltration Stain Joint	783	M 1
	22.9	DSF(S01)	Deposits Settled Fine	802	M 2
	33.5	RFJ	Roots Fine Joint	913	M 1
	33.5	SSS	Surface Damage Surface Spalling	950	S 2
	36.8	RFJ	Roots Fine Joint	1018	M 1
	37.4	FM(S02)	Fracture Multiple	1111	S 4
	37.4	DAE	Deposits Attached Encrustation	1136	M 2
	40.2	B(S03)	Broken	1258	S 4
	42.7	TBI	Tap Break-in Intruding	1372	M 2

43.4	RML	Roots Medium Lateral	1461	M 3
44.9	DAE	Deposits Attached Encrustation	1638	M 2
46.2	DAE	Deposits Attached Encrustation	1708	M 2
46.2	RMJ	Roots Medium Joint	1781	M 3
52.0	RMJ	Roots Medium Joint	1950	M 3
52.8	B(F03)	Broken	1980	S 4
55.5	DAE	Deposits Attached Encrustation	2017	M 2
55.5	DAE(S04)	Deposits Attached Encrustation	2061	M 2
56.3	RFB	Roots Fine Barrel	2119	M 2
58.2	DAE(S05)	Deposits Attached Encrustation	2239	M 2
61.6	RFJ	Roots Fine Joint	2346	M 1
64.3	DAE	Deposits Attached Encrustation	2521	M 2
65.4	TBI	Tap Break-in Intruding	2604	M 2
66.0	FM(F02)	Fracture Multiple	2623	S 4
67.3	RFJ	Roots Fine Joint	2659	M 1
67.3	DAE(F04)	Deposits Attached Encrustation	2729	M 2
67.3	DAE(F05)	Deposits Attached Encrustation	2739	M 2
73.3	RFJ	Roots Fine Joint	2783	M 1
79.3	RFJ	Roots Fine Joint	2878	M 1
82.4	RMJ	Roots Medium Joint	2927	M 3
86.5	RMJ	Roots Medium Joint	2997	M 3
91.4	DSF(F01)	Deposits Settled Fine	3179	M 2
91.5	MSA	Miscellaneous Survey Abandoned	3209	NA

M-504-057



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-504-056**



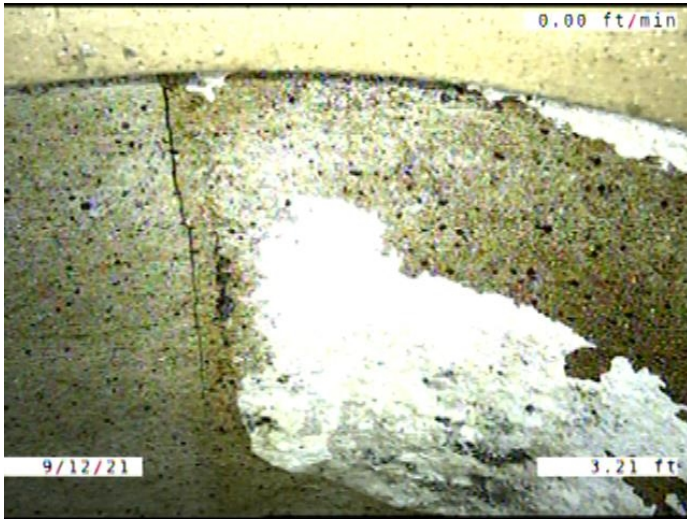
Code: **MWL**
 Description: **Miscellaneous Water Level**

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:



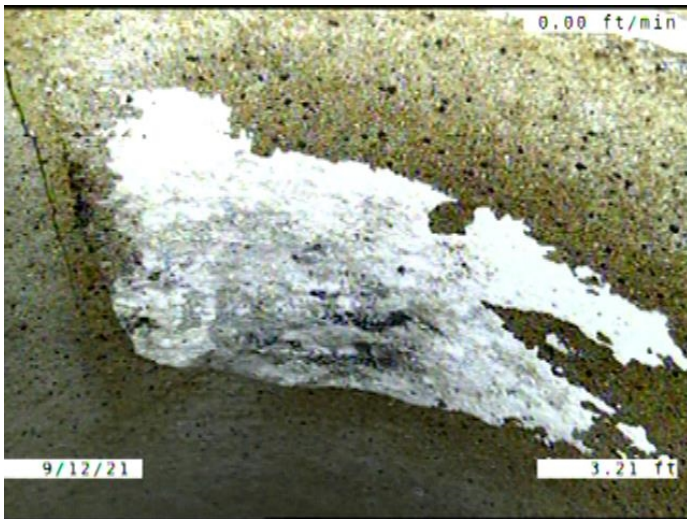
Code: **MGO**
 Description: **Miscellaneous General Observation**

Distance (ft): **1.5**
 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: **DROP INTO THE MANHOLE. HAD TO START IN THE PIPE.**



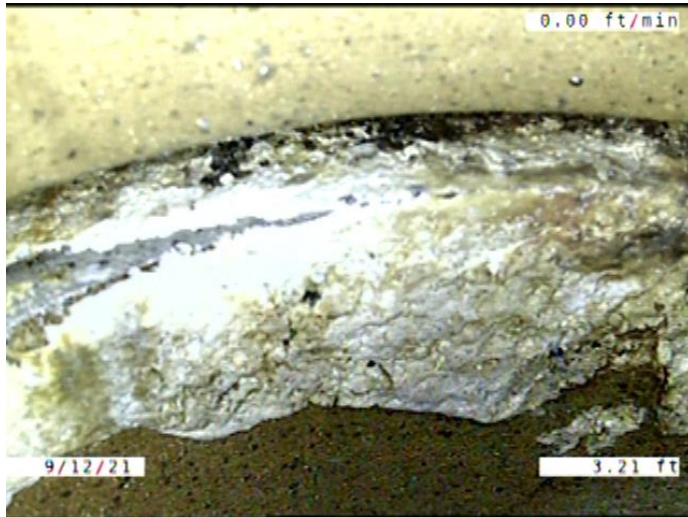
Code: **CM**
Description: **Crack Multiple**

Distance (ft): **3.2**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From: **7**
Clock To: **12**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



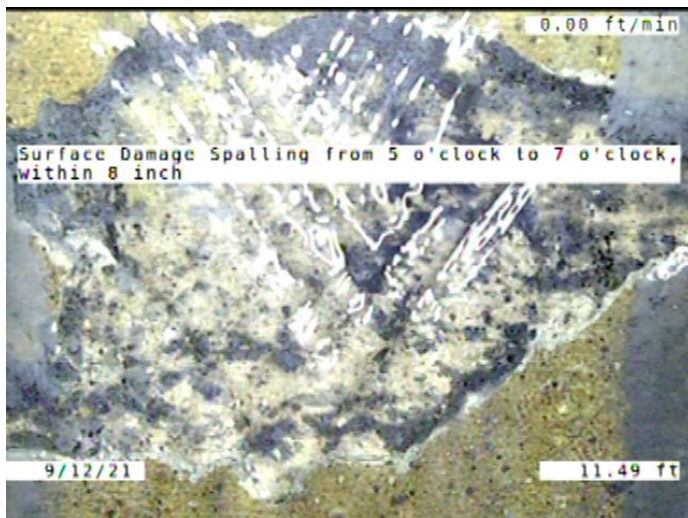
Code: **DAE**
Description: **Deposits Attached Encrustation**

Distance (ft): **3.2**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **1**
Clock To: **2**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



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

Distance (ft): **3.2**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **8**
 Clock To: **11**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



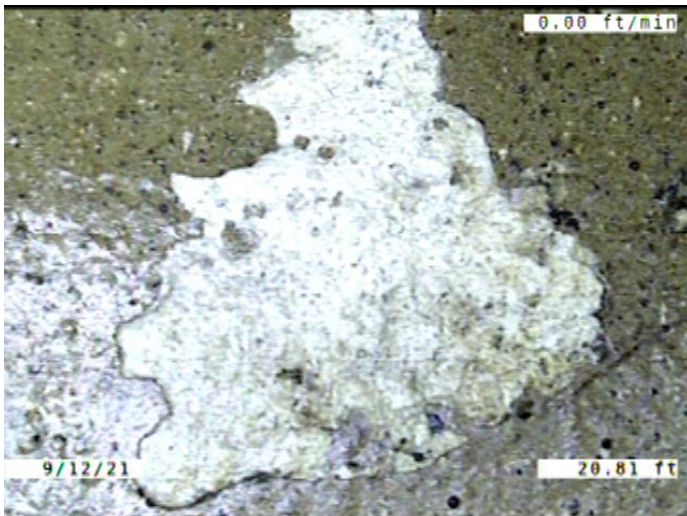
Code: **SSS**
 Description: **Surface Damage Surface Spalling**

Distance (ft): **11.5**
 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:



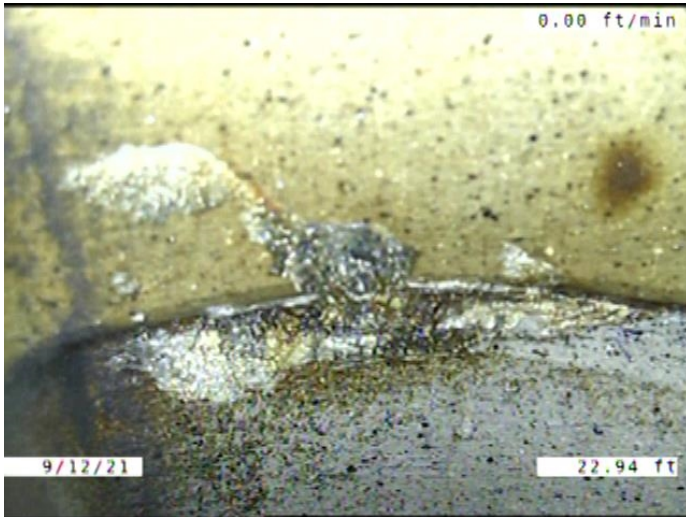
Code: **CS**
 Description: **Crack Spiral**

Distance (ft): **20.8**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From: **9**
 Clock To: **11**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



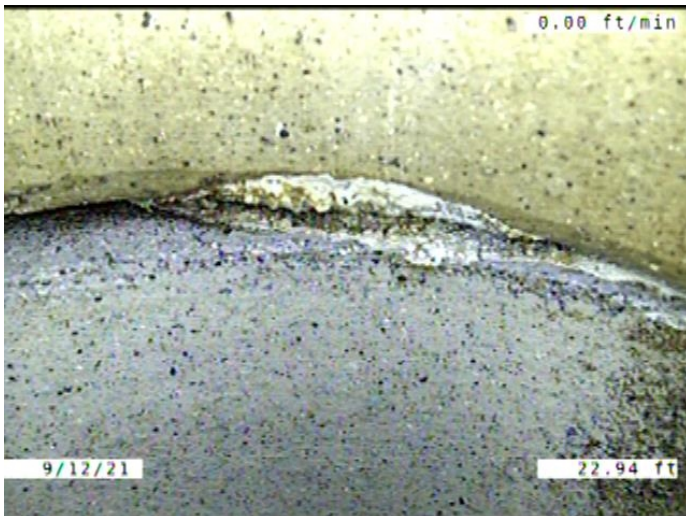
Code: **DAE**
 Description: **Deposits Attached Encrustation**

Distance (ft): **20.8**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **9**
 Clock To: **10**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



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

Distance (ft): **22.9**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **7**
Clock To: **8**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



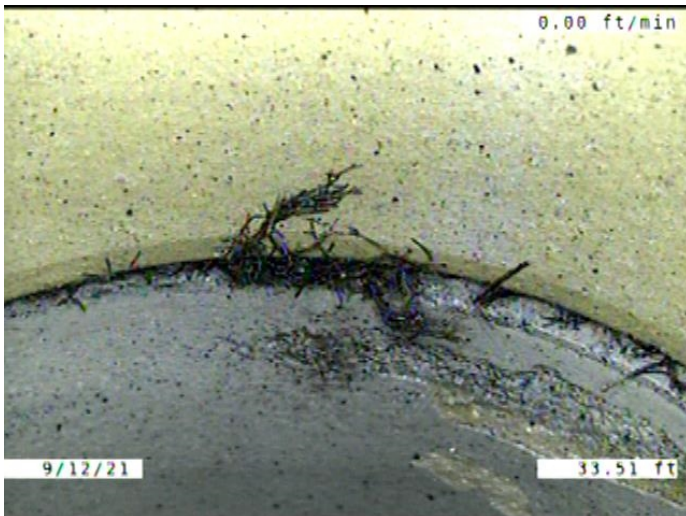
Code: **ISJ**
Description: **Infiltration Stain Joint**

Distance (ft): **22.9**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **2**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



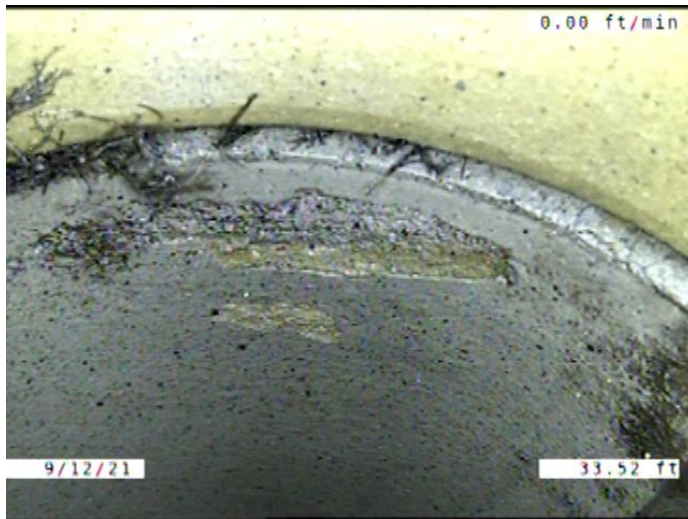
Code: **DSF**
 Description: **Deposits Settled Fine**

Distance (ft): **22.9**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **5**
 Clock To: **7**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index: **S01**
 Within 8" of Joint: **YES**
 Remarks:

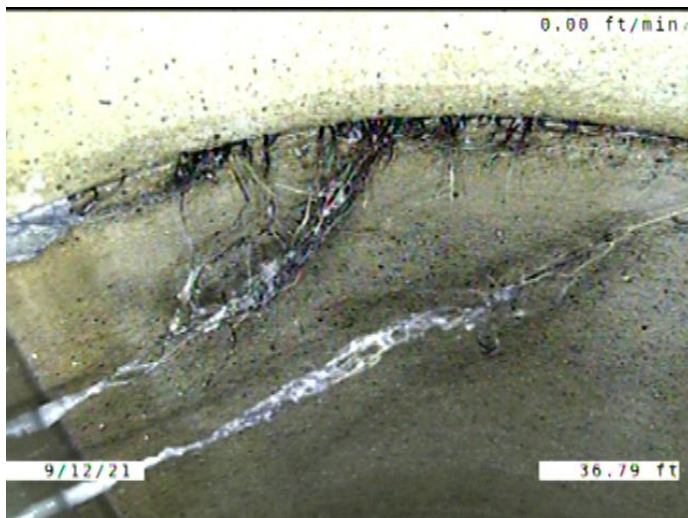


Code: **RFJ**
 Description: **Roots Fine Joint**

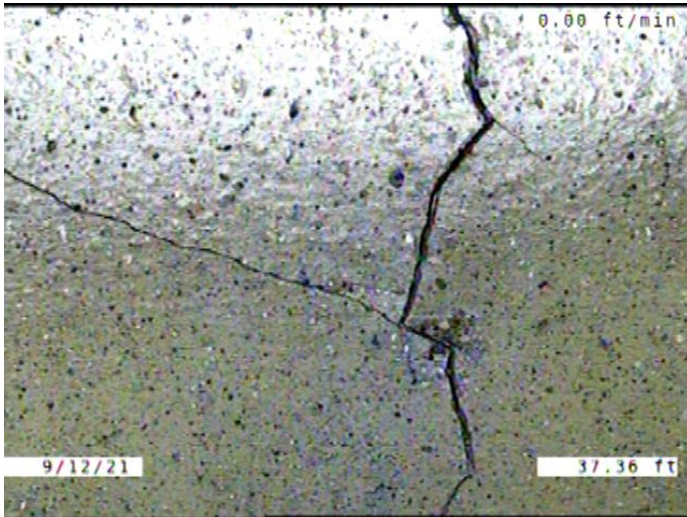
Distance (ft): **33.5**
 Structural Grade: **0**
 O&M Grade: **1**
 Clock Start/From: **11**
 Clock To: **2**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



Code:	SSS
Description:	Surface Damage Surface Spalling
Distance (ft):	33.5
Structural Grade:	2
O&M Grade:	0
Clock Start/From:	8
Clock To:	2
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	NO
Remarks:	

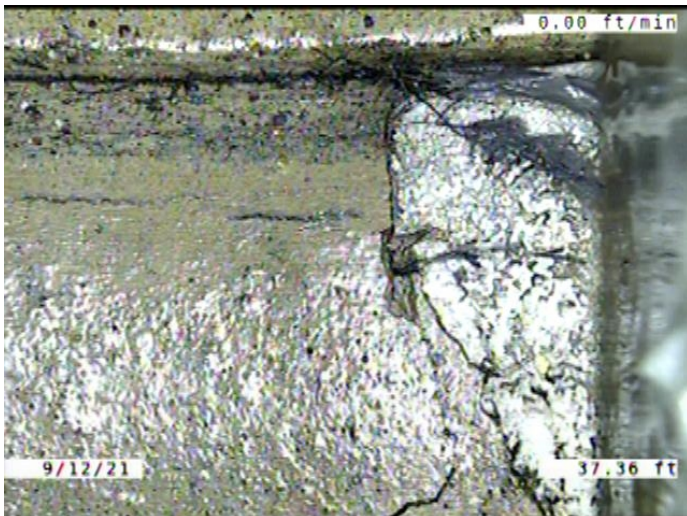


Code:	RFJ
Description:	Roots Fine Joint
Distance (ft):	36.8
Structural Grade:	0
O&M Grade:	1
Clock Start/From:	9
Clock To:	3
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



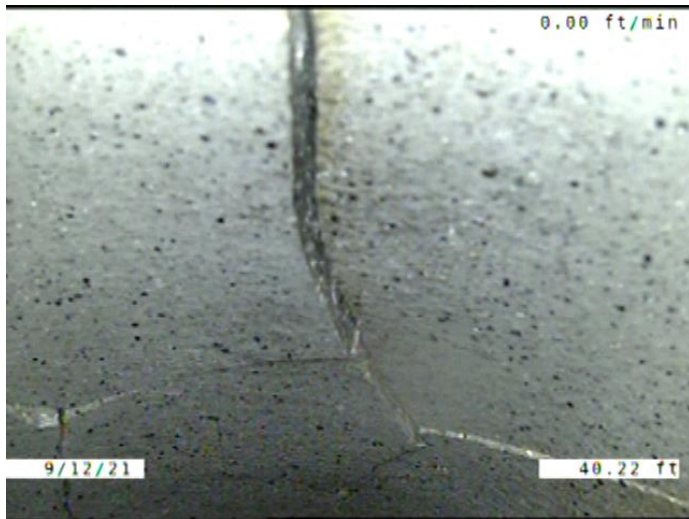
Code: **FM**
 Description: **Fracture Multiple**

Distance (ft): **37.4**
 Structural Grade: **4**
 O&M Grade: **0**
 Clock Start/From: **9**
 Clock To: **3**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index: **S02**
 Within 8" of Joint: **YES**
 Remarks:



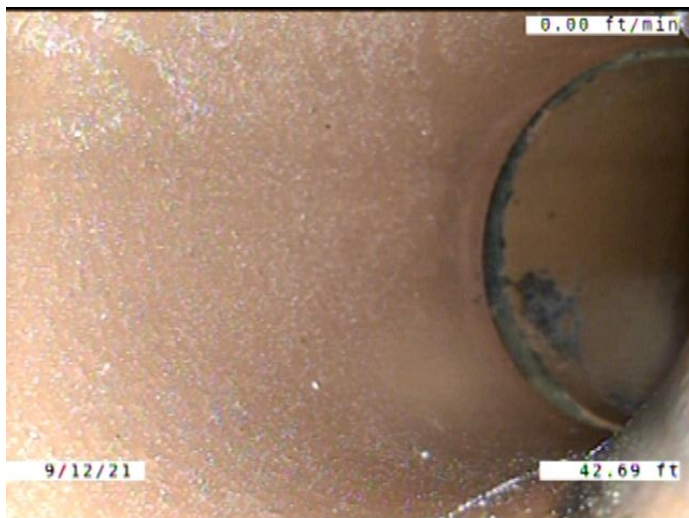
Code: **DAE**
 Description: **Deposits Attached Encrustation**

Distance (ft): **37.4**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **3**
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



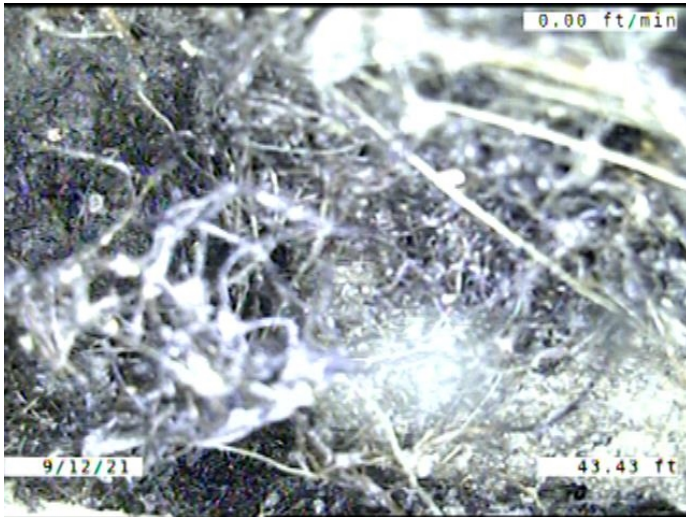
Code: **B**
Description: **Broken**

Distance (ft): **40.2**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **9**
Clock To: **3**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **S03**
Within 8" of Joint: **YES**
Remarks:



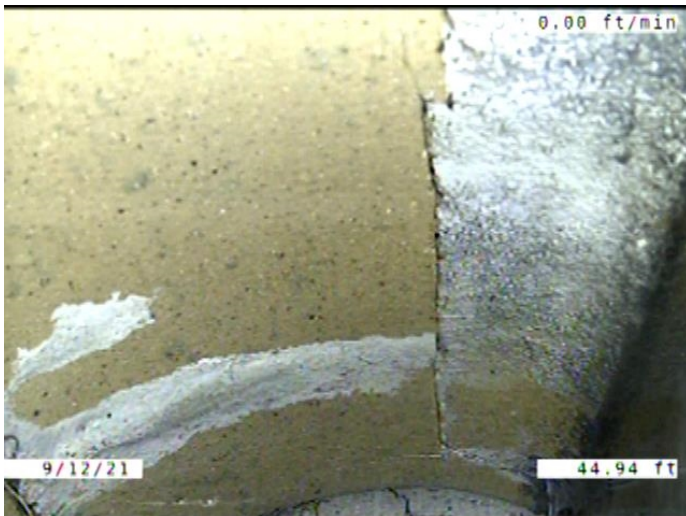
Code: **TBI**
Description: **Tap Break-in Intruding**

Distance (ft): **42.7**
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:



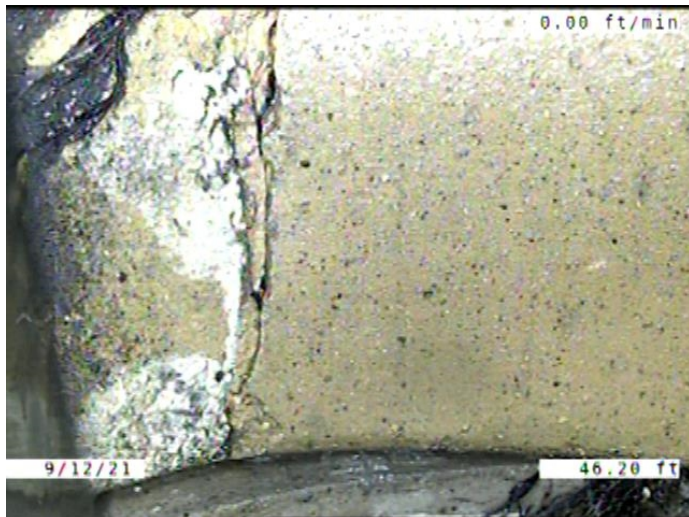
Code: **RML**
 Description: **Roots Medium Lateral**

Distance (ft): **43.4**
 Structural Grade: **0**
 O&M Grade: **3**
 Clock Start/From: **11**
 Clock To: **2**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks:

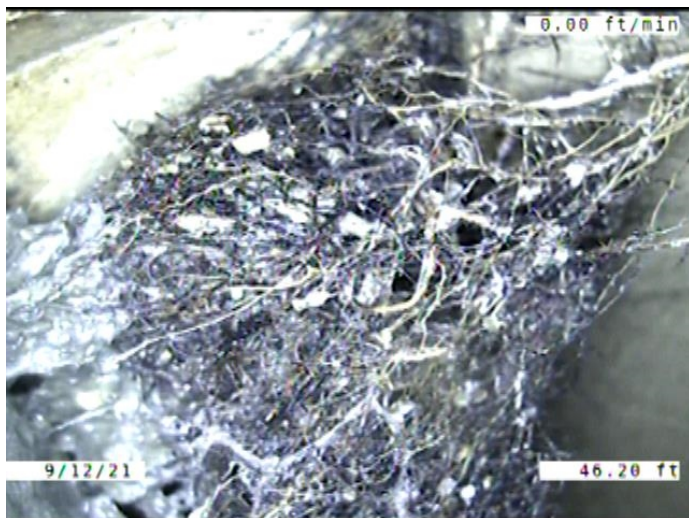


Code: **DAE**
 Description: **Deposits Attached Encrustation**

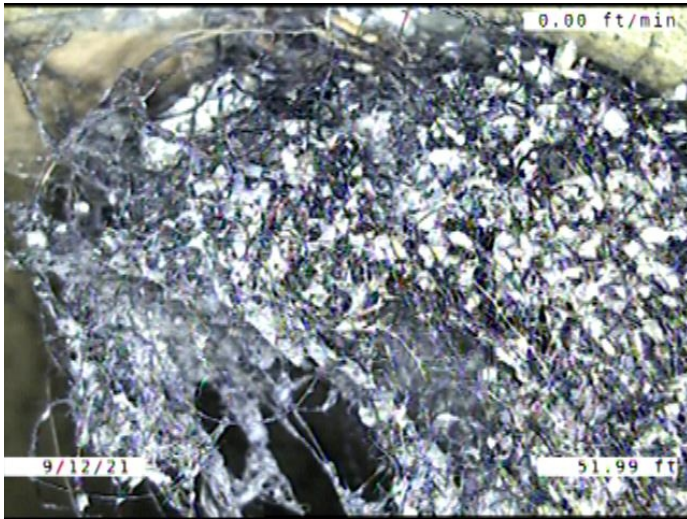
Distance (ft): **44.9**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **1**
 Clock To: **3**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



Code:	DAE
Description:	Deposits Attached Encrustation
Distance (ft):	46.2
Structural Grade:	0
O&M Grade:	2
Clock Start/From:	9
Clock To:	11
1st Value:	
2nd Value:	
Value Percent:	5.000
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



Code:	RMJ
Description:	Roots Medium Joint
Distance (ft):	46.2
Structural Grade:	0
O&M Grade:	3
Clock Start/From:	10
Clock To:	2
1st Value:	
2nd Value:	
Value Percent:	15.000
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



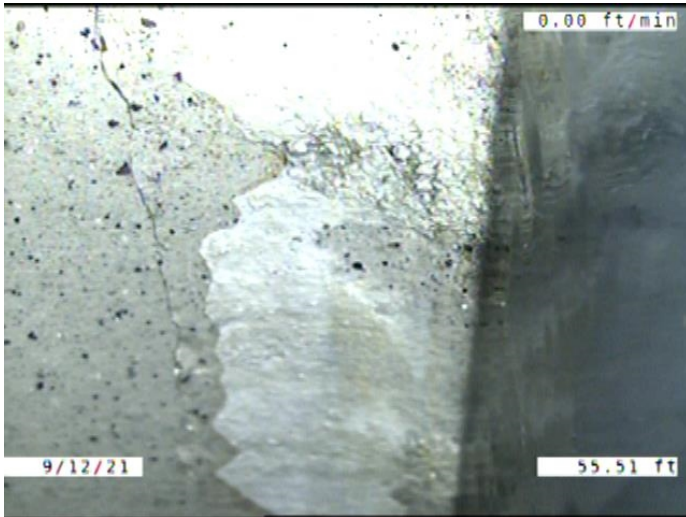
Code: **RMJ**
 Description: **Roots Medium Joint**

Distance (ft): **52.0**
 Structural Grade: **0**
 O&M Grade: **3**
 Clock Start/From: **10**
 Clock To: **3**
 1st Value:
 2nd Value:
 Value Percent: **15.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



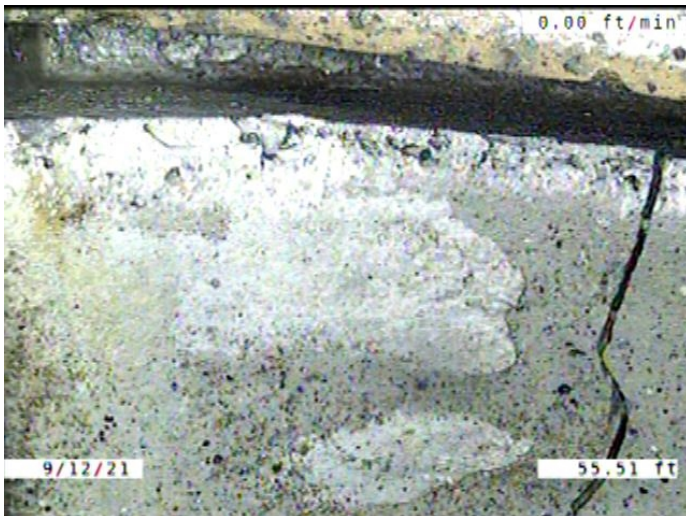
Code: **B**
 Description: **Broken**

Distance (ft): **52.8**
 Structural Grade: **4**
 O&M Grade: **0**
 Clock Start/From: **9**
 Clock To: **3**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index: **F03**
 Within 8" of Joint: **YES**
 Remarks:



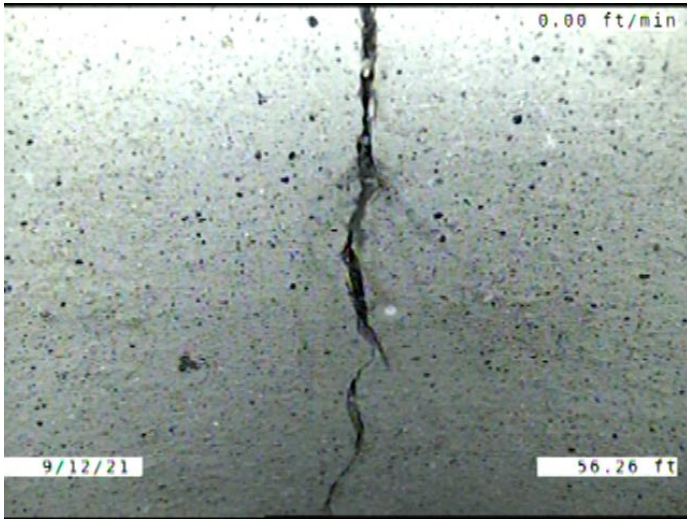
Code: **DAE**
 Description: **Deposits Attached Encrustation**

Distance (ft): **55.5**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **3**
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



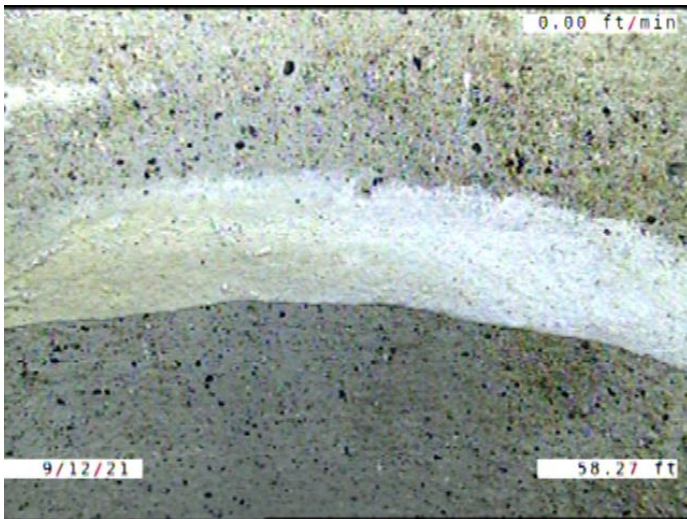
Code: **DAE**
 Description: **Deposits Attached Encrustation**

Distance (ft): **55.5**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **9**
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index: **S04**
 Within 8" of Joint: **YES**
 Remarks:



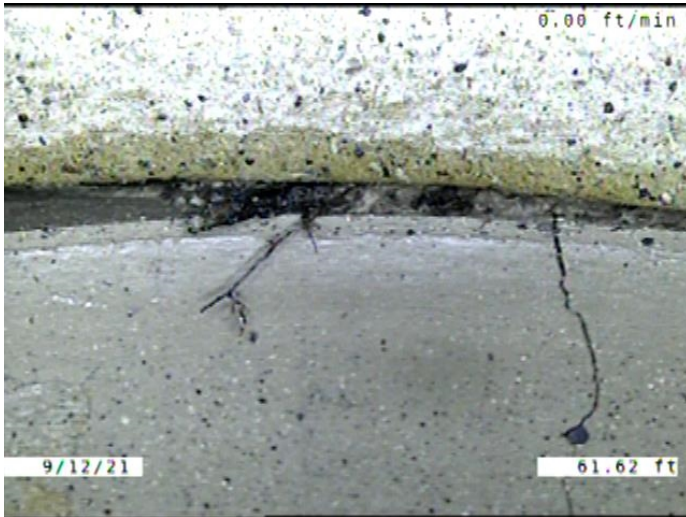
Code: **RFB**
 Description: **Roots Fine Barrel**

Distance (ft): **56.3**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **1**
 Clock To:
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks:



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

Distance (ft): **58.2**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **12**
 Clock To: **3**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index: **S05**
 Within 8" of Joint: **YES**
 Remarks:



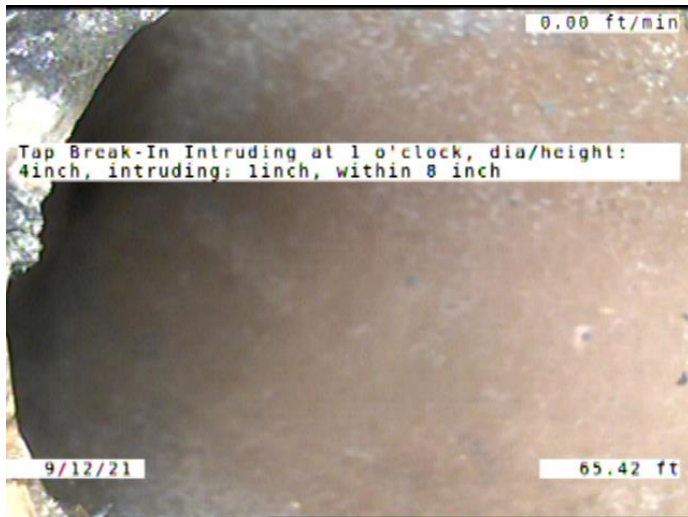
Code: **RFJ**
 Description: **Roots Fine Joint**

Distance (ft): **61.6**
 Structural Grade: **0**
 O&M Grade: **1**
 Clock Start/From: **10**
 Clock To: **2**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



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

Distance (ft): **64.3**
 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: **YES**
 Remarks:



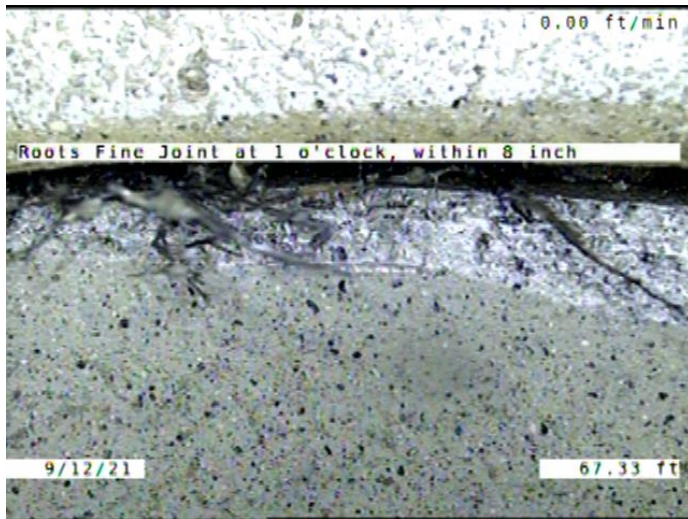
Code: **TBI**
 Description: **Tap Break-in Intruding**

Distance (ft): **65.4**
 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:



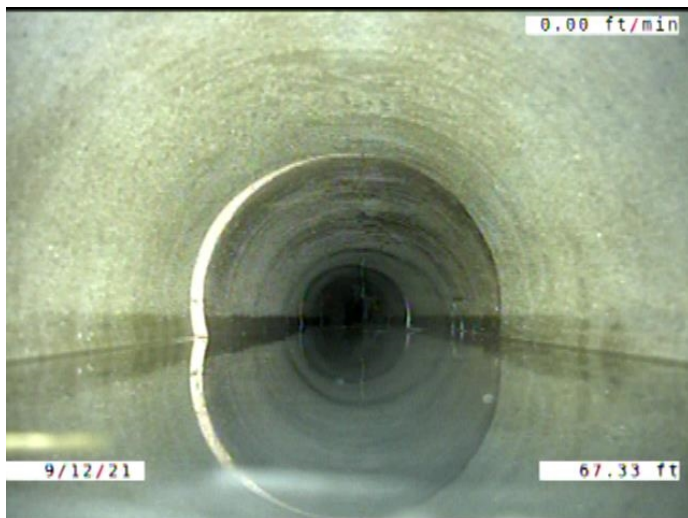
Code: **FM**
 Description: **Fracture Multiple**

Distance (ft): **66.0**
 Structural Grade: **4**
 O&M Grade: **0**
 Clock Start/From: **9**
 Clock To: **3**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index: **F02**
 Within 8" of Joint: **NO**
 Remarks:



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

Distance (ft): **67.3**
 Structural Grade: **0**
 O&M Grade: **1**
 Clock Start/From: **1**
 Clock To:
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



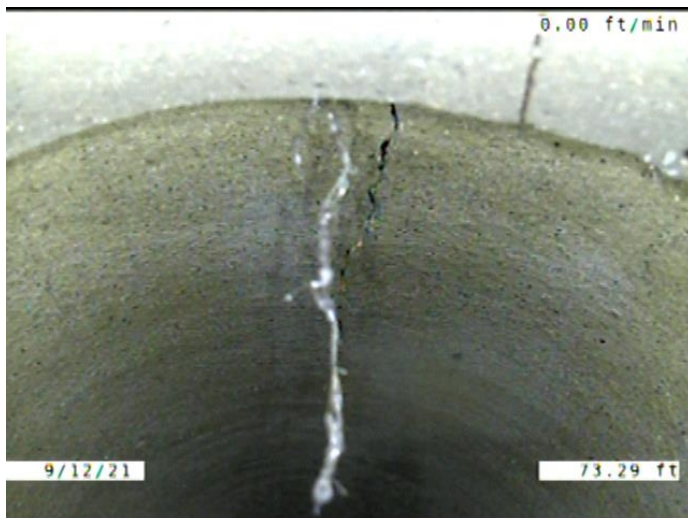
Code: **DAE**
 Description: **Deposits Attached Encrustation**

Distance (ft): **67.3**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **9**
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index: **F04**
 Within 8" of Joint: **YES**
 Remarks:



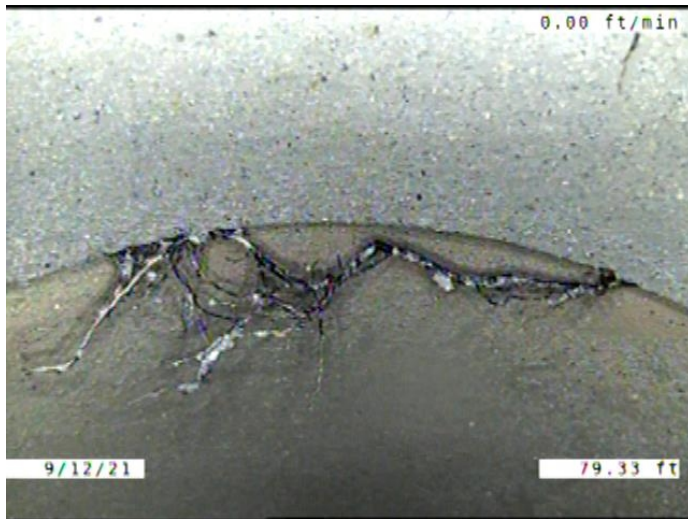
Code: **DAE**
Description: **Deposits Attached Encrustation**

Distance (ft): **67.3**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **12**
Clock To: **3**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **F05**
Within 8" of Joint: **YES**
Remarks:



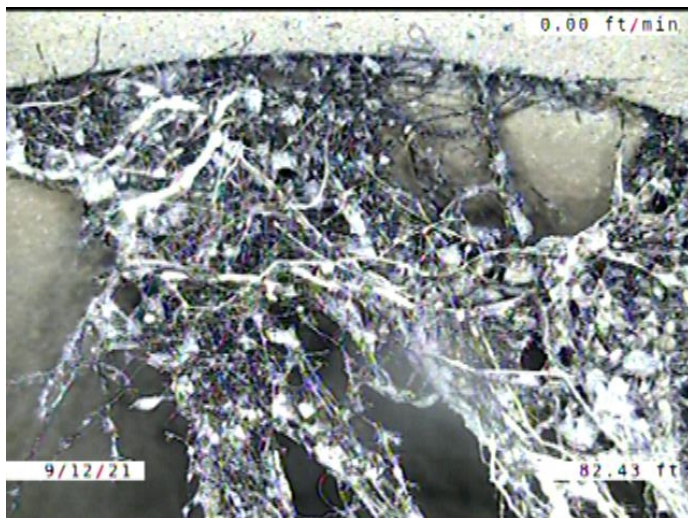
Code: **RFJ**
Description: **Roots Fine Joint**

Distance (ft): **73.3**
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:



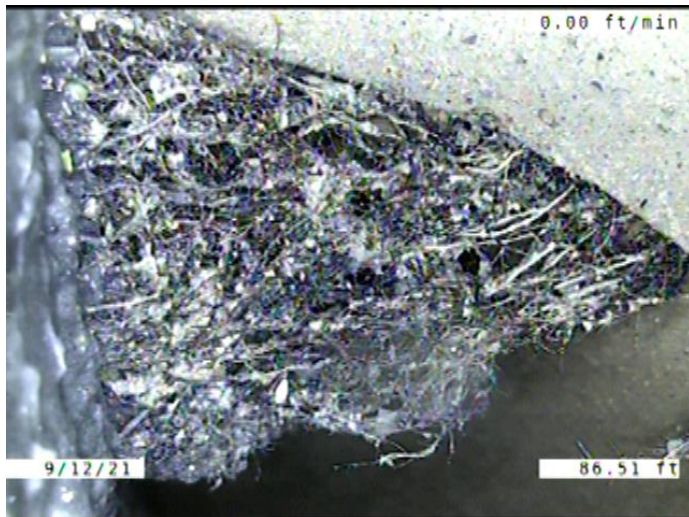
Code: **RFJ**
 Description: **Roots Fine Joint**

Distance (ft): **79.3**
 Structural Grade: **0**
 O&M Grade: **1**
 Clock Start/From: **10**
 Clock To: **12**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



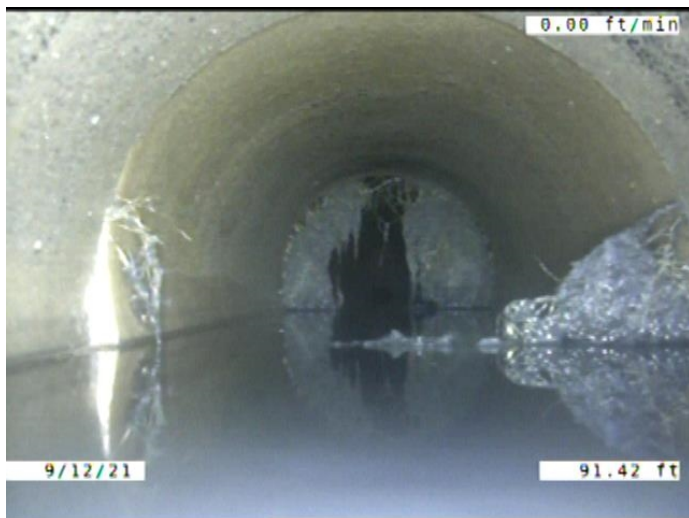
Code: **RMJ**
 Description: **Roots Medium Joint**

Distance (ft): **82.4**
 Structural Grade: **0**
 O&M Grade: **3**
 Clock Start/From: **11**
 Clock To: **3**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



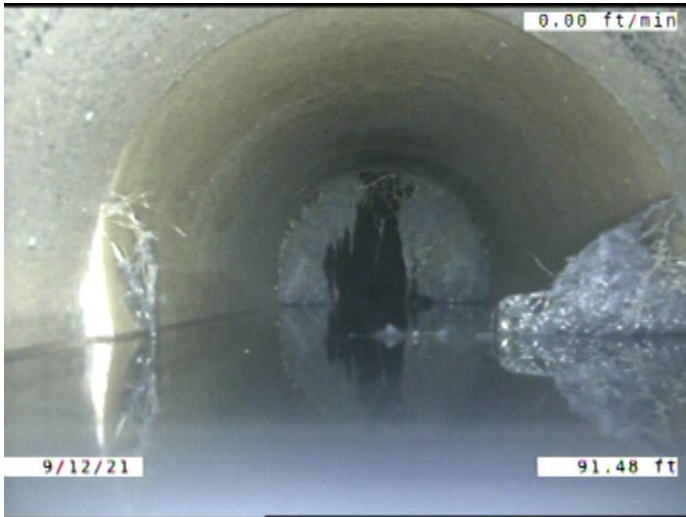
Code: **RMJ**
 Description: **Roots Medium Joint**

Distance (ft): **86.5**
 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: **DSF**
 Description: **Deposits Settled Fine**

Distance (ft): **91.4**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **5**
 Clock To: **7**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index: **F01**
 Within 8" of Joint: **YES**
 Remarks:



Code:	MSA
Description:	Miscellaneous Survey Abandoned
Distance (ft):	91.5
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:	Camera cannot make it past roots.