

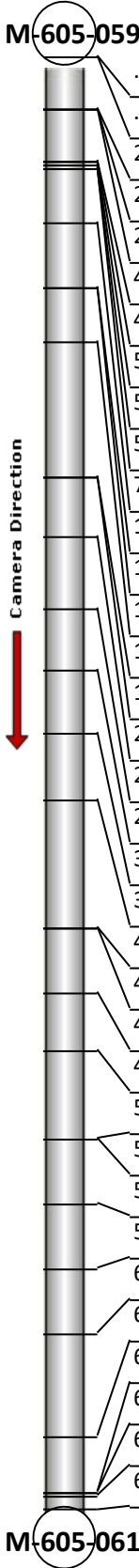
Profile/Photo Observation Report

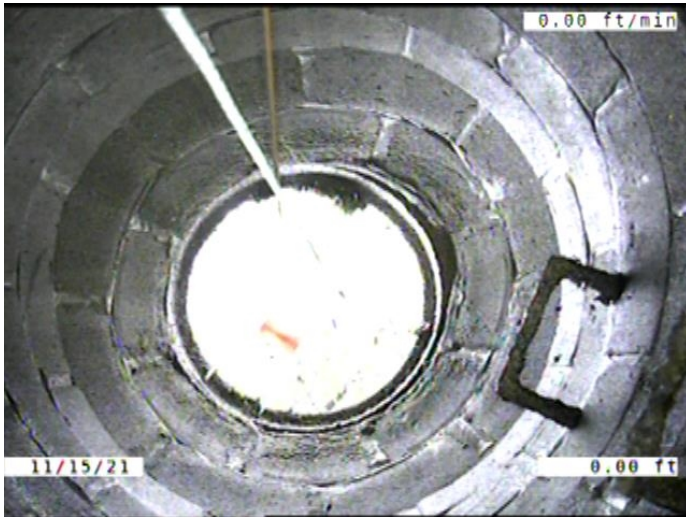


Date:	11/15/2021	Weather:		Coding:	PACP 7.0
Pipe Length (ft):	80.0	Owner:	City of Hobart	Pre Clean:	Heavy Cleaning
P.O.#:	YES502259	Surveyor:	S. Bucklin	PSR:	P-605-061-059
Customer:	City of Hobart	Clean Date:	11/14/2021	Shape:	C

Street:	South Lake Park 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-605-059	DS MH:	M-605-061
		Total Length Surveyed (ft):	68.4

O&M Index:	2.04	O&M Quick:	4134	O&M Rating:	53.00
Structural Index:	3.00	Structural Quick:	4536	Structural Rating:	48.00
Overall Index:	2.40	Overall Quick:	463A	Overall Rating:	101.00

	Position	Code	Observation	Video (sec)	Grade
					
	.0	AMH	Manhole	1	NA
	.0	MWL	Miscellaneous Water Level	107	NA
	2.5	FM	Fracture Multiple	171	S 4
	2.5	DSF(S01)	Deposits Settled Fine	194	M 2
	2.5	RMJ	Roots Medium Joint	402	M 3
	4.9	RFJ	Roots Fine Joint	276	M 1
	4.9	B	Broken	340	S 4
	5.1	SSS	Surface Damage Surface Spalling	451	S 2
	5.3	CL	Crack Longitudinal	528	S 2
	5.3	DAE	Deposits Attached Encrustation	544	M 2
	7.8	CM	Crack Multiple	622	S 3
	10.9	CM	Crack Multiple	694	S 3
	10.9	DAE	Deposits Attached Encrustation	719	M 2
	13.4	CM	Crack Multiple	776	S 3
	19.8	CM	Crack Multiple	838	S 3
	19.8	RFJ	Roots Fine Joint	873	M 1
	22.6	DAE	Deposits Attached Encrustation	940	M 2
	26.0	CM	Crack Multiple	995	S 3
	28.9	FM	Fracture Multiple	1063	S 4
	31.9	CL	Crack Longitudinal	1101	S 2
	35.0	FM	Fracture Multiple	1206	S 4
	41.0	CL	Crack Longitudinal	1255	S 2
	41.0	RFJ	Roots Fine Joint	1269	M 1
	44.1	RBJ	Roots Ball Joint	1317	M 4
	46.8	RFJ	Roots Fine Joint	1406	M 1
	51.0	RFJ	Roots Fine Joint	1457	M 1
	51.0	CM	Crack Multiple	1491	S 3
	54.0	RMJ	Roots Medium Joint	1541	M 3
	57.1	CS	Crack Spiral	1587	S 2
	60.2	RMJ	Roots Medium Joint	1629	M 3
	65.0	RMJ	Roots Medium Joint	1746	M 3
	67.6	JOLD	Joint Offset Large Defective	1884	S 4
	67.6	DSF(F01)	Deposits Settled Fine	1938	M 2
	67.8	MMC	Miscellaneous Material Change	1987	NA
	68.4	MSA	Miscellaneous Survey Abandoned	2002	NA



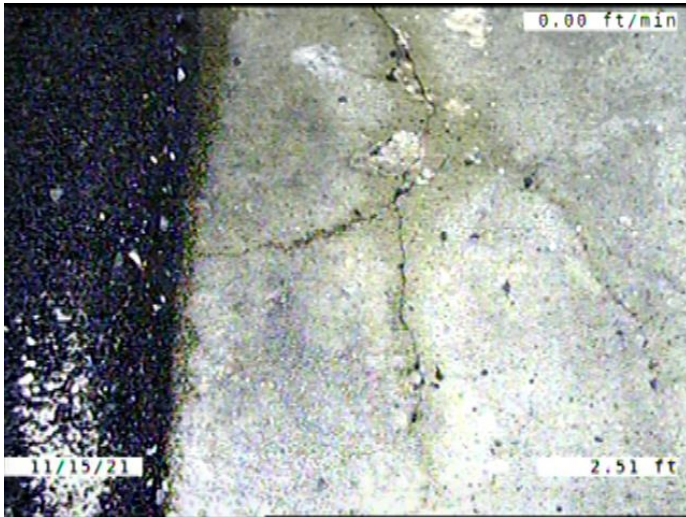
Code: **AMH**
 Description: **Manhole**

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-605-059**



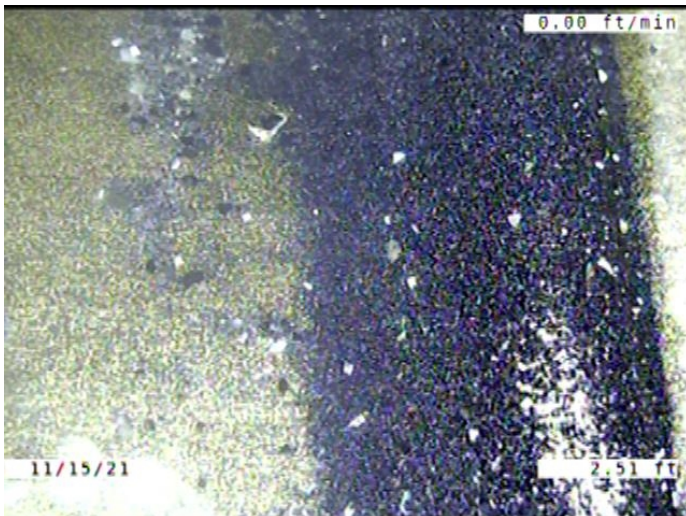
Code: **MWL**
 Description: **Miscellaneous Water Level**

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:



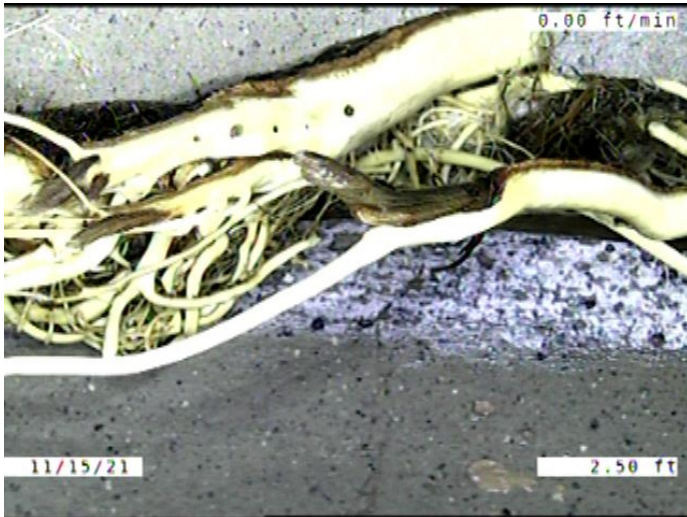
Code: **FM**
 Description: **Fracture Multiple**

Distance (ft): **2.5**
 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:



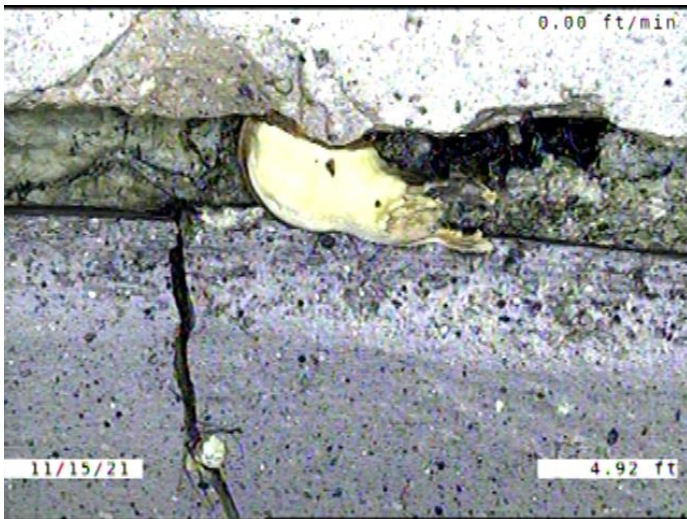
Code: **DSF**
 Description: **Deposits Settled Fine**

Distance (ft): **2.5**
 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:



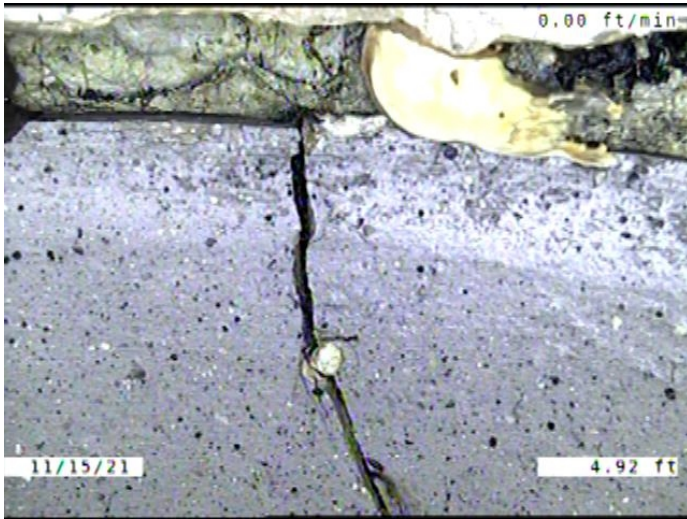
Code: **RMJ**
 Description: **Roots Medium Joint**

Distance (ft): **2.5**
 Structural Grade: **0**
 O&M Grade: **3**
 Clock Start/From: **8**
 Clock To: **3**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



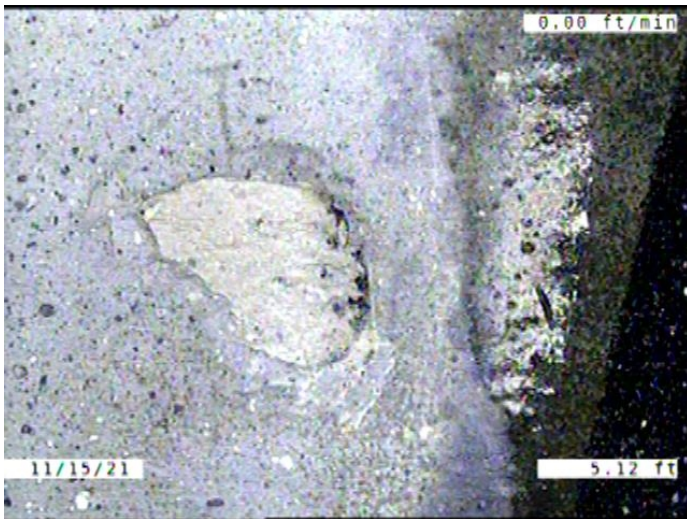
Code: **RFJ**
 Description: **Roots Fine Joint**

Distance (ft): **4.9**
 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:



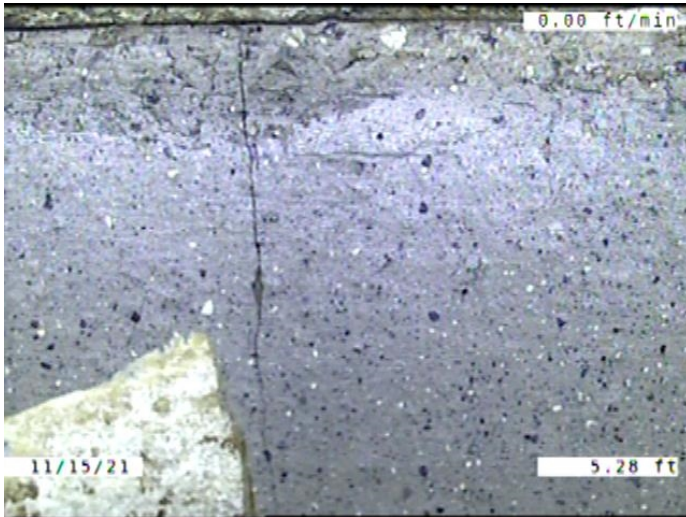
Code: **B**
Description: **Broken**

Distance (ft): **4.9**
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:



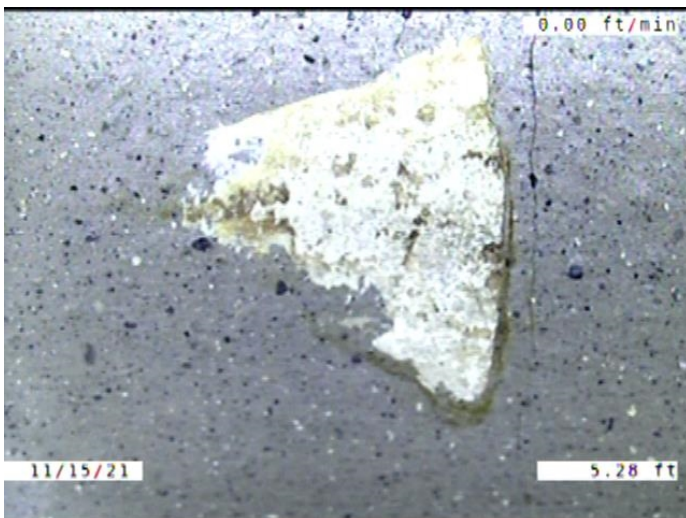
Code: **SSS**
Description: **Surface Damage Surface Spalling**

Distance (ft): **5.1**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From: **7**
Clock To: **8**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



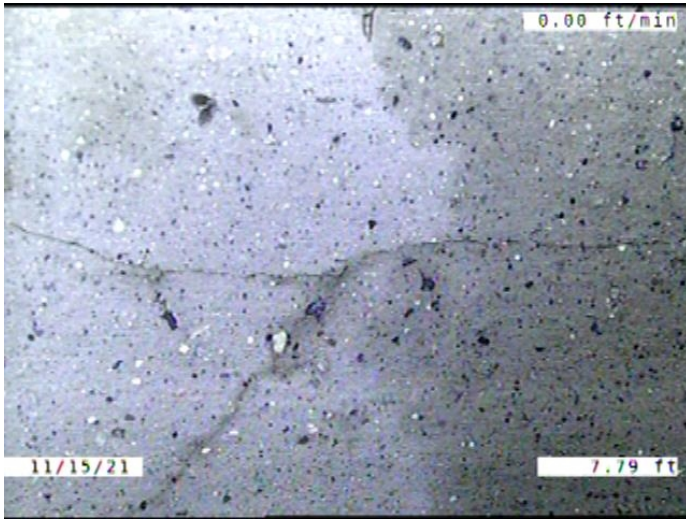
Code: **CL**
Description: **Crack Longitudinal**

Distance (ft): **5.3**
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: **YES**
Remarks:



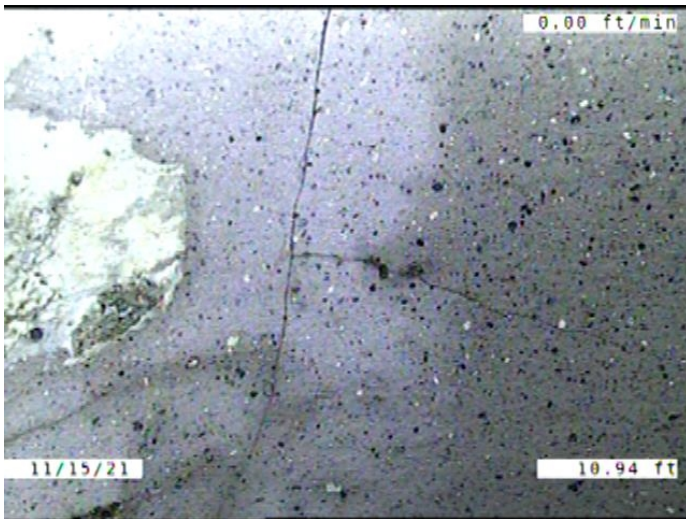
Code: **DAE**
Description: **Deposits Attached Encrustation**

Distance (ft): **5.3**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **11**
Clock To: **12**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



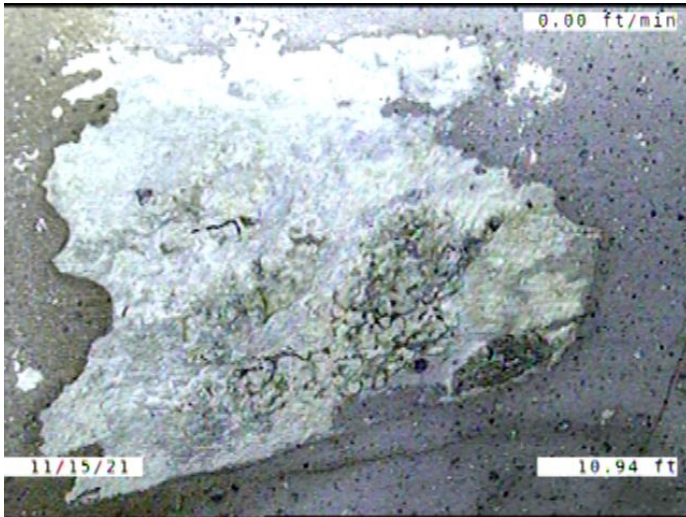
Code: **CM**
Description: **Crack Multiple**

Distance (ft): **7.8**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From: **8**
Clock To: **12**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



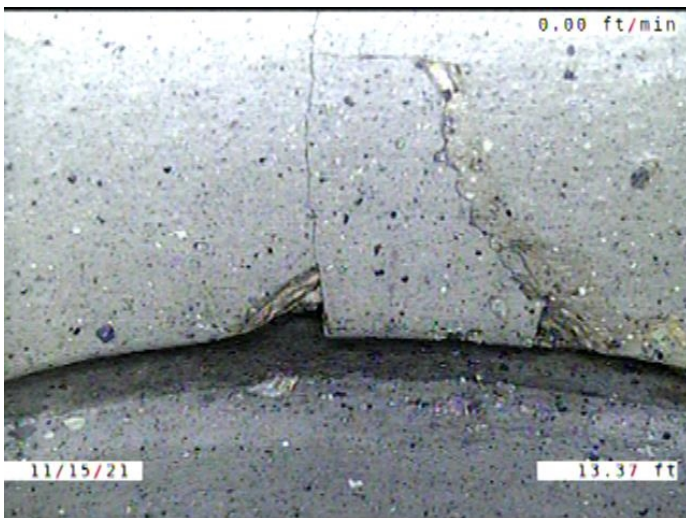
Code: **CM**
Description: **Crack Multiple**

Distance (ft): **10.9**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From: **8**
Clock To: **11**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



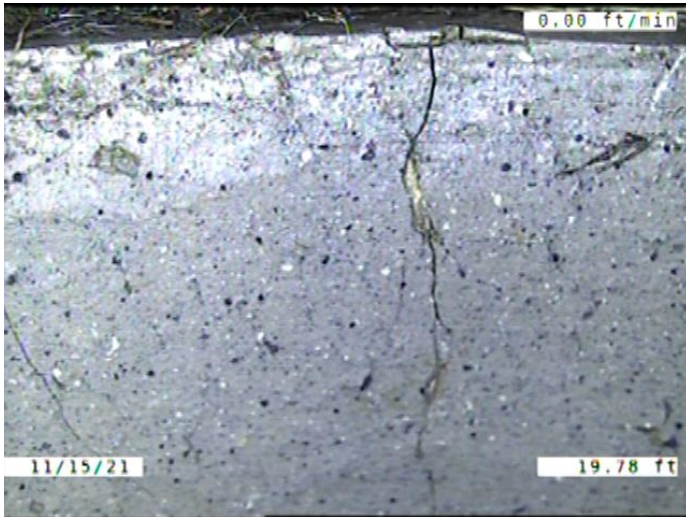
Code: **DAE**
 Description: **Deposits Attached Encrustation**

Distance (ft): **10.9**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **8**
 Clock To: **10**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



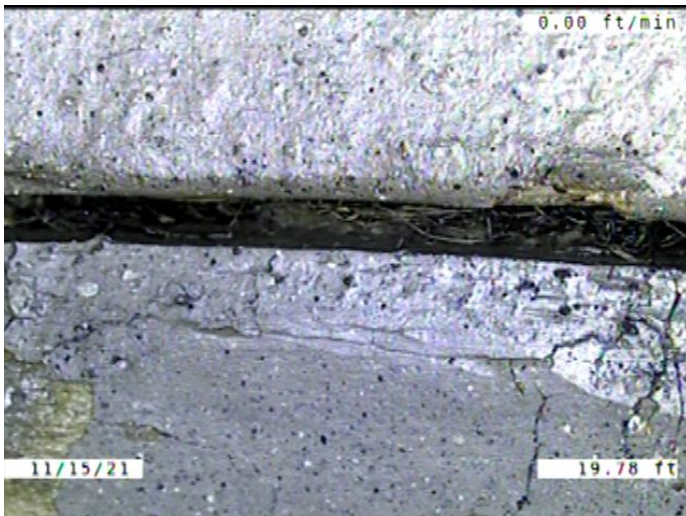
Code: **CM**
 Description: **Crack Multiple**

Distance (ft): **13.4**
 Structural Grade: **3**
 O&M Grade: **0**
 Clock Start/From: **10**
 Clock To: **11**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



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

Distance (ft): **19.8**
 Structural Grade: **3**
 O&M Grade: **0**
 Clock Start/From: **9**
 Clock To: **3**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



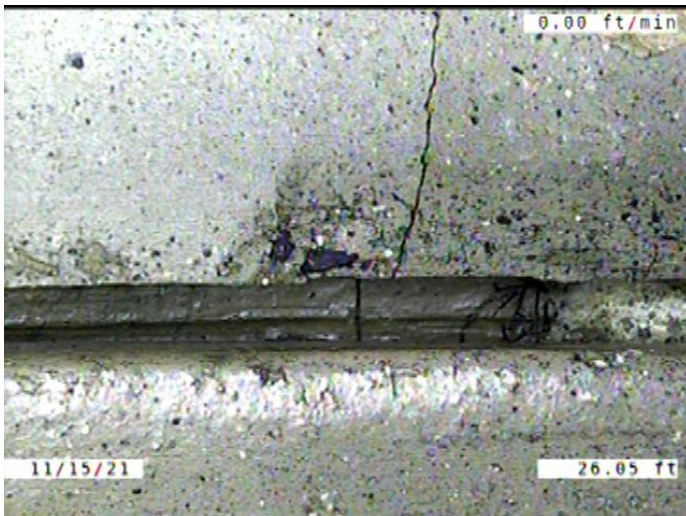
Code: **RFJ**
 Description: **Roots Fine Joint**

Distance (ft): **19.8**
 Structural Grade: **0**
 O&M Grade: **1**
 Clock Start/From: **9**
 Clock To: **4**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



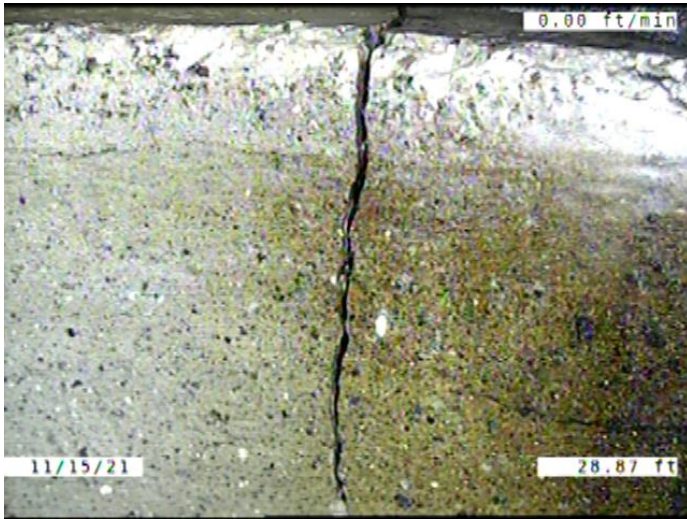
Code: **DAE**
 Description: **Deposits Attached Encrustation**

Distance (ft): **22.6**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **4**
 Clock To: **8**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



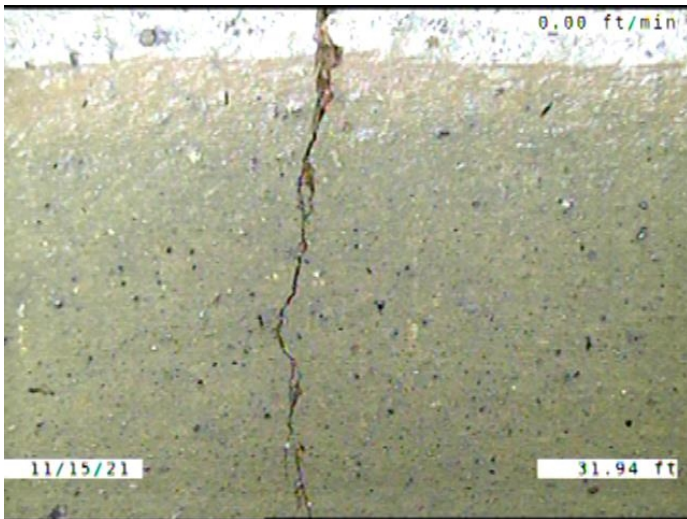
Code: **CM**
 Description: **Crack Multiple**

Distance (ft): **26.0**
 Structural Grade: **3**
 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:



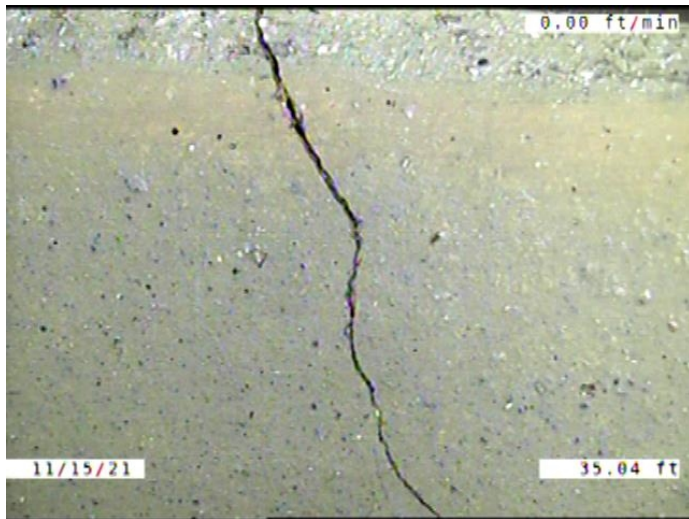
Code: **FM**
Description: **Fracture Multiple**

Distance (ft): **28.9**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **1**
Clock To: **4**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



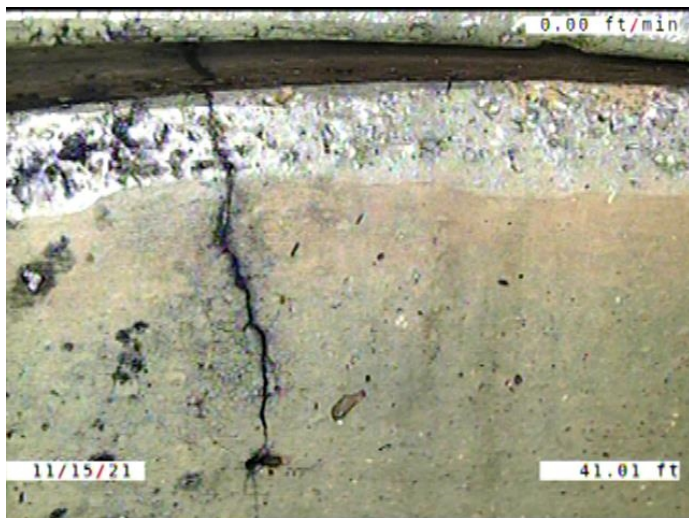
Code: **CL**
Description: **Crack Longitudinal**

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



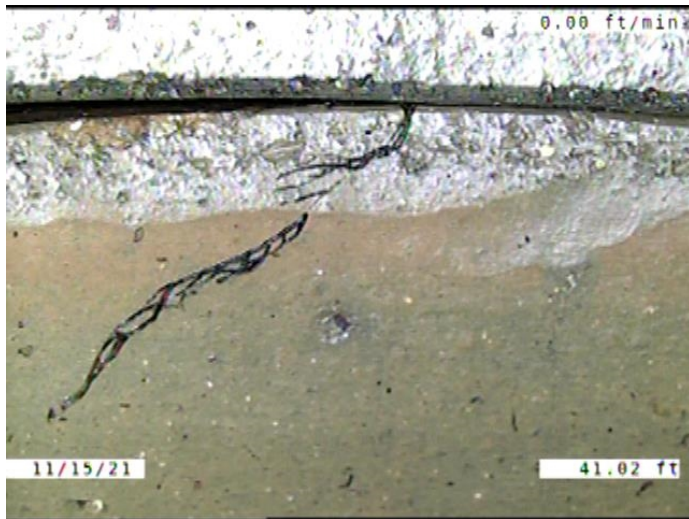
Code: **FM**
 Description: **Fracture Multiple**

Distance (ft): **35.0**
 Structural Grade: **4**
 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:



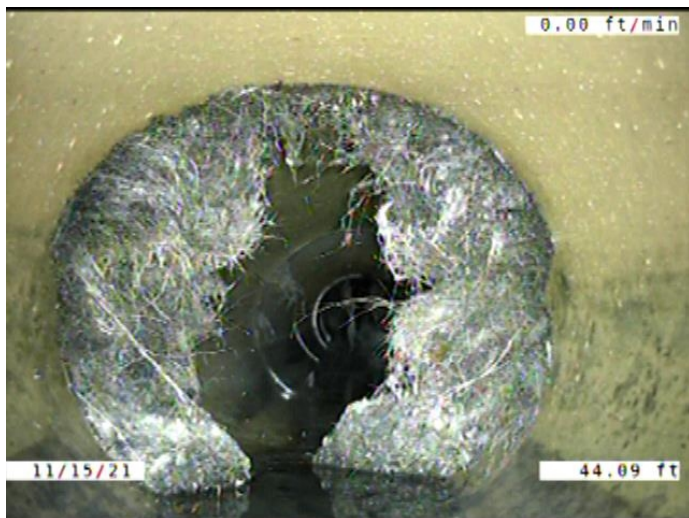
Code: **CL**
 Description: **Crack Longitudinal**

Distance (ft): **41.0**
 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: **YES**
 Remarks:



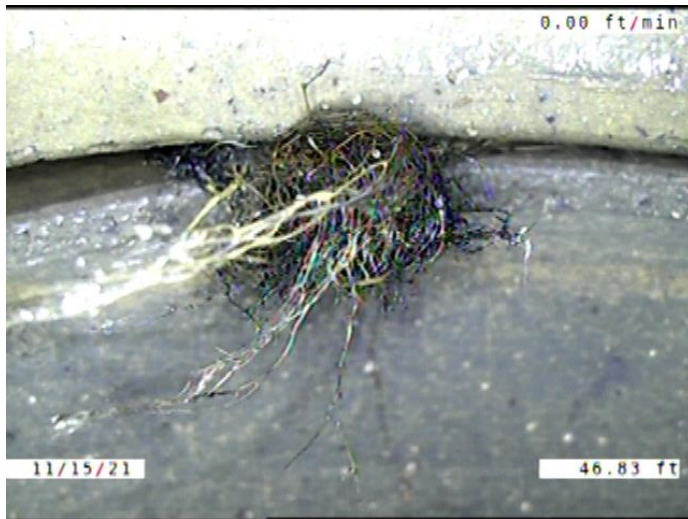
Code: **RFJ**
 Description: **Roots Fine Joint**

Distance (ft): **41.0**
 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:



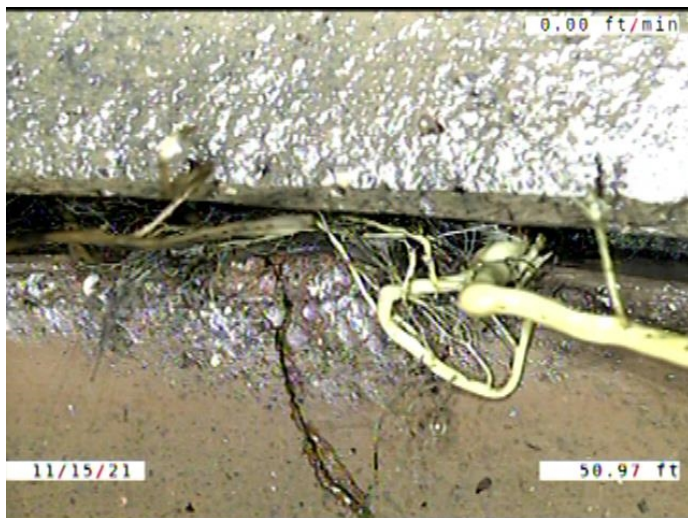
Code: **RBJ**
 Description: **Roots Ball Joint**

Distance (ft): **44.1**
 Structural Grade: **0**
 O&M Grade: **4**
 Clock Start/From: **7**
 Clock To: **5**
 1st Value:
 2nd Value:
 Value Percent: **70.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



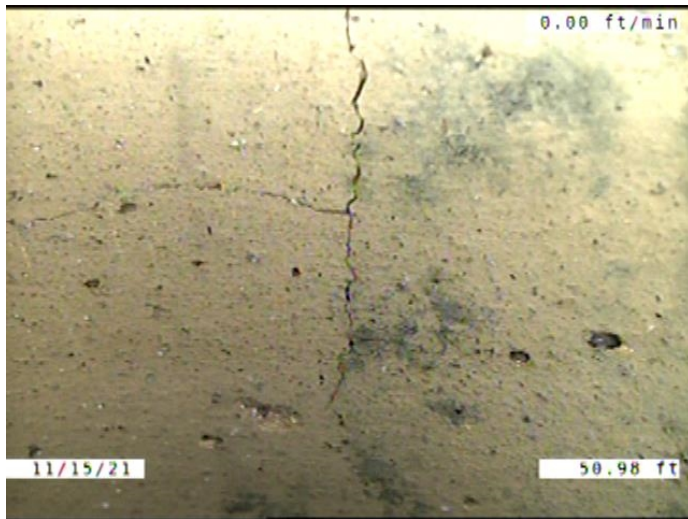
Code: **RFJ**
Description: **Roots Fine Joint**

Distance (ft): **46.8**
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:



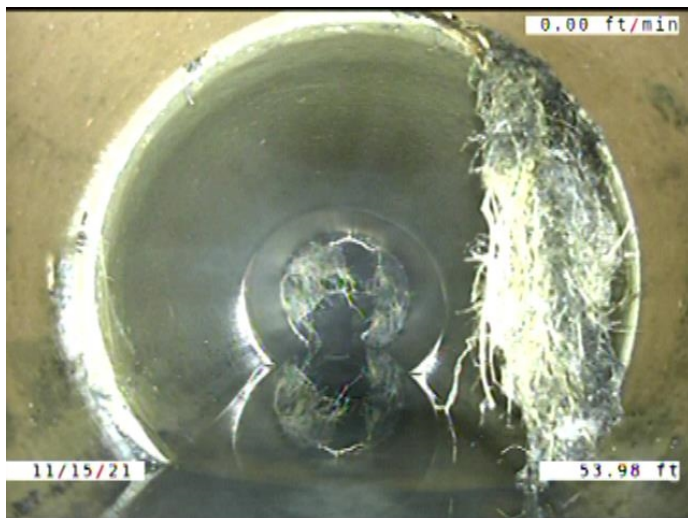
Code: **RFJ**
Description: **Roots Fine Joint**

Distance (ft): **51.0**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **12**
Clock To: **2**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



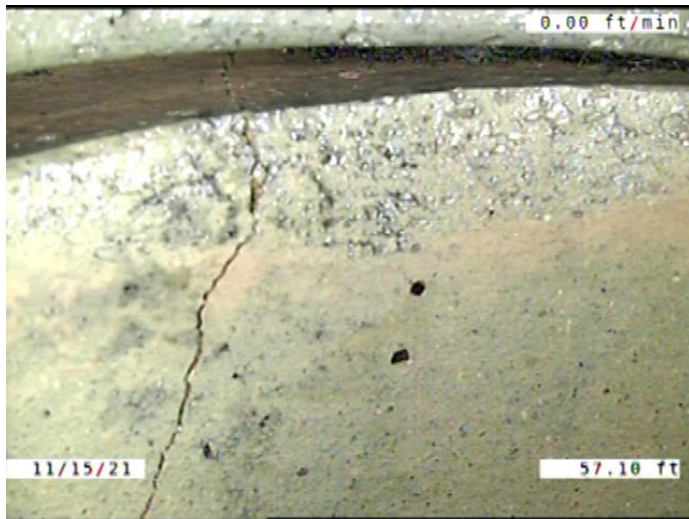
Code: **CM**
 Description: **Crack Multiple**

Distance (ft): **51.0**
 Structural Grade: **3**
 O&M Grade: **0**
 Clock Start/From: **12**
 Clock To: **3**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



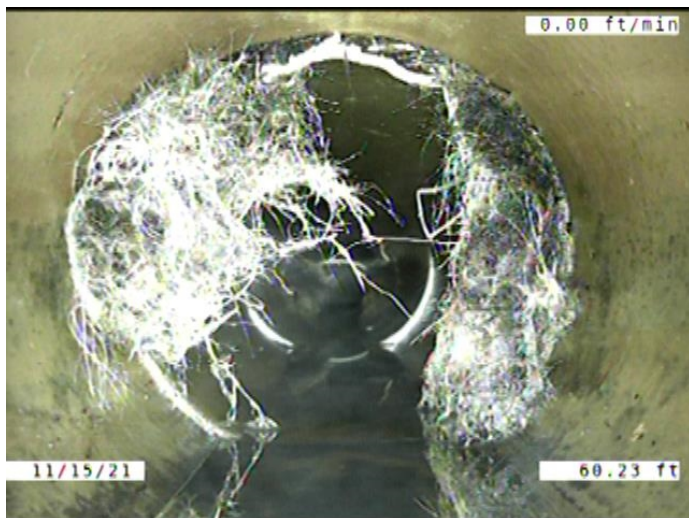
Code: **RMJ**
 Description: **Roots Medium Joint**

Distance (ft): **54.0**
 Structural Grade: **0**
 O&M Grade: **3**
 Clock Start/From: **9**
 Clock To: **4**
 1st Value:
 2nd Value:
 Value Percent: **10.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



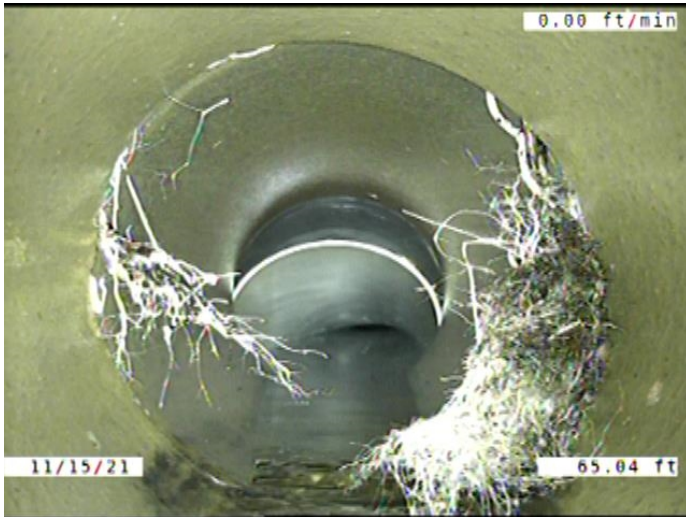
Code: **CS**
 Description: **Crack Spiral**

Distance (ft): **57.1**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From: **8**
 Clock To: **10**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



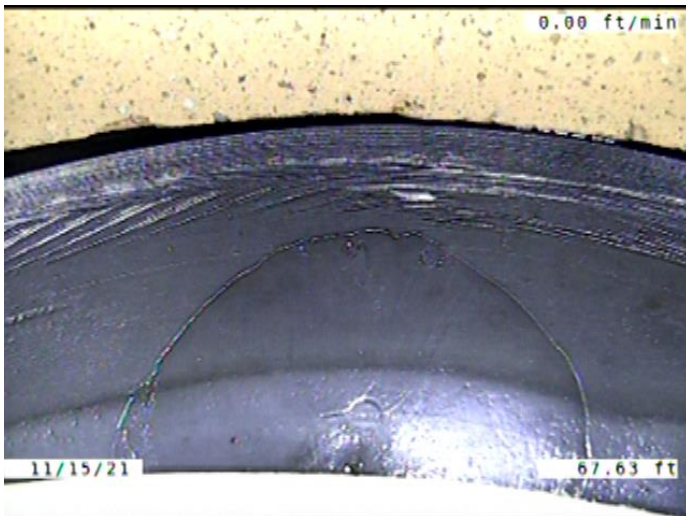
Code: **RMJ**
 Description: **Roots Medium Joint**

Distance (ft): **60.2**
 Structural Grade: **0**
 O&M Grade: **3**
 Clock Start/From: **8**
 Clock To: **5**
 1st Value:
 2nd Value:
 Value Percent: **50.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



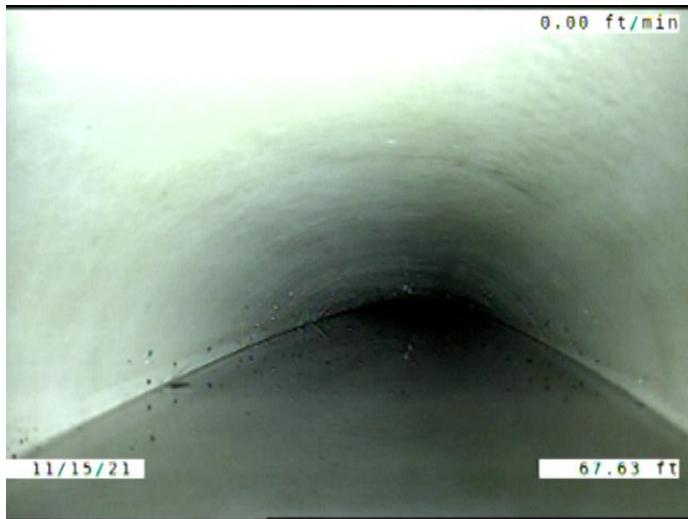
Code: **RMJ**
 Description: **Roots Medium Joint**

Distance (ft): **65.0**
 Structural Grade: **0**
 O&M Grade: **3**
 Clock Start/From: **8**
 Clock To: **5**
 1st Value:
 2nd Value:
 Value Percent: **15.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



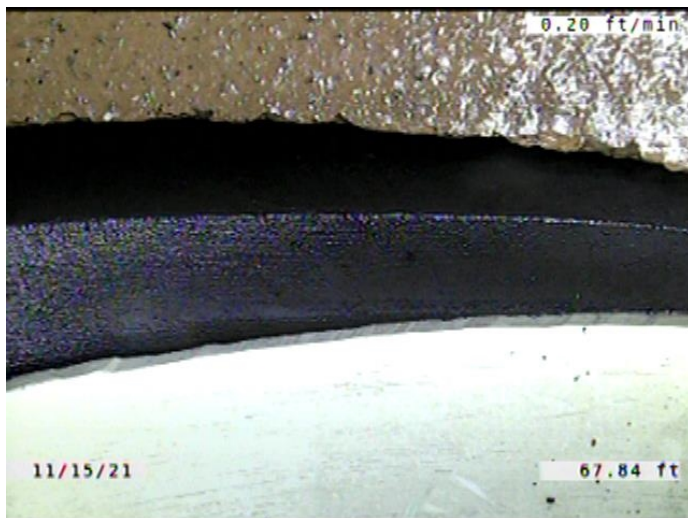
Code: **JOLD**
 Description: **Joint Offset Large Defective**

Distance (ft): **67.6**
 Structural Grade: **4**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks:



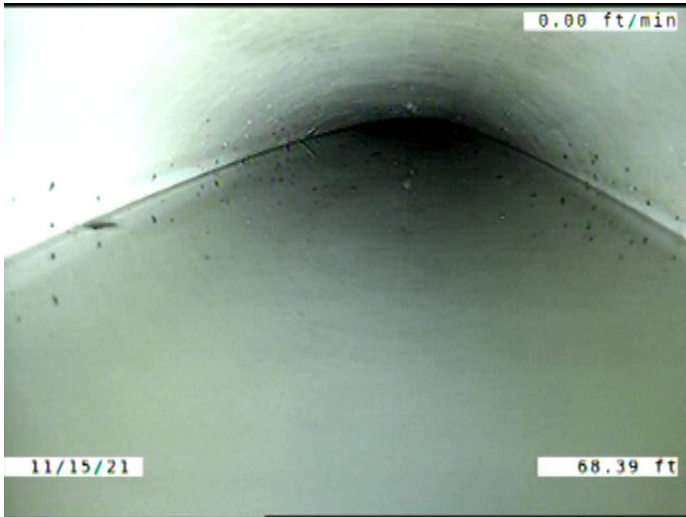
Code: **DSF**
 Description: **Deposits Settled Fine**

Distance (ft): **67.6**
 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: **MMC**
 Description: **Miscellaneous Material Change**

Distance (ft): **67.8**
 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: **VCP TO PVC**



Code:	MSA
Description:	Miscellaneous Survey Abandoned
Distance (ft):	68.4
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-605-061