

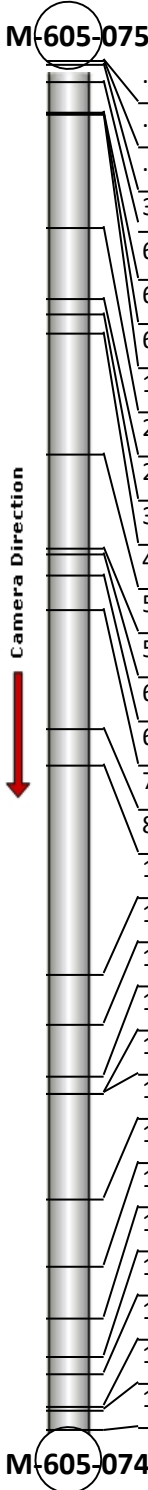
Profile/Photo Observation Report

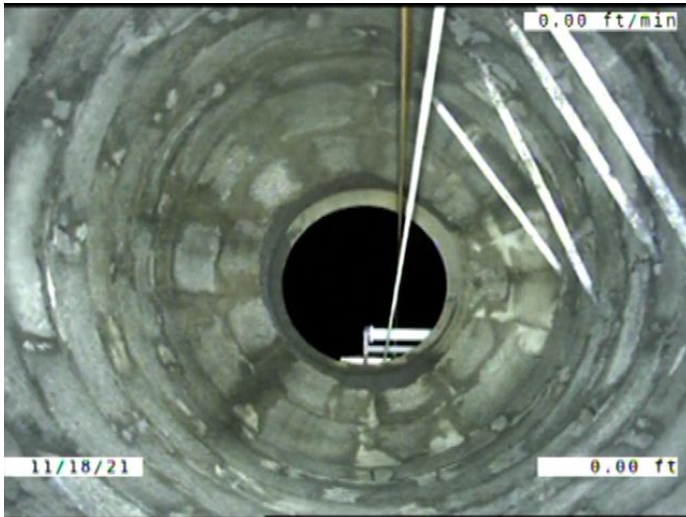


Date:	11/18/2021	Weather:		Coding:	PACP 7.0
Pipe Length (ft):	160.4	Owner:	City of Hobart	Pre Clean:	Heavy Cleaning
P.O.#:	YES502259	Surveyor:	S. Bucklin	PSR:	P-605-074-075
Customer:	City of Hobart	Clean Date:	11/18/2021	Shape:	C

Street:	South Ash 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:	10"
Use:	Sanitary Sewage Pipe	Material:	VCP
Drain Area:		Lining:	None
Category:	NA		
Comment:			
Location Details:		Direction of Survey:	Downstream
US MH:	M-605-075	DS MH:	M-605-074
		Total Length Surveyed (ft):	160.4

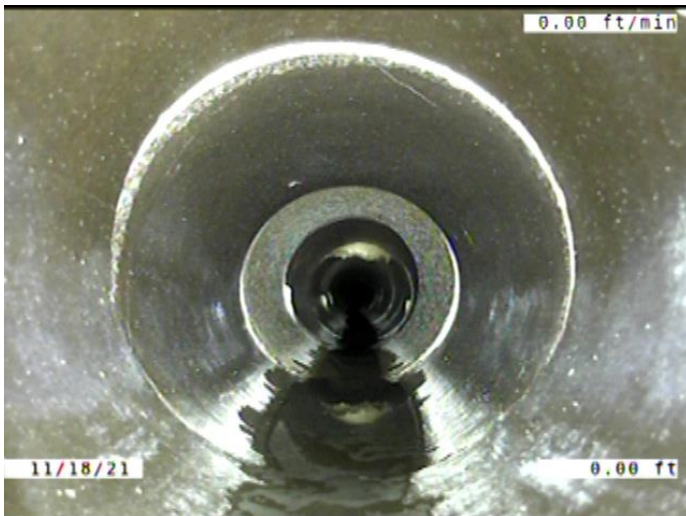
O&M Index:	1.65	O&M Quick:	312A	O&M Rating:	33.00
Structural Index:	2.83	Structural Quick:	4236	Structural Rating:	34.00
Overall Index:	2.09	Overall Quick:	4237	Overall Rating:	67.00

	Position	Code	Observation	Video (sec)	Grade
	M-605-075				
	.0	AMH	Manhole	1	NA
	.0	MWL	Miscellaneous Water Level	67	NA
	.5	CM	Crack Multiple	111	S 3
	3.9	ISGT(S01)	Intruding Sealing Material Grout	179	M 2
	6.1	SSS	Surface Damage Surface Spalling	217	S 2
	6.1	CM	Crack Multiple	228	S 3
	6.3	TBI	Tap Break-in Intruding	251	M 2
	19.6	ISGT(F01)	Intruding Sealing Material Grout	315	M 2
	27.9	CM	Crack Multiple	372	S 3
	29.8	CM	Crack Multiple	415	S 3
	32.0	ISGT	Intruding Sealing Material Grout	460	M 2
	46.2	ISGT	Intruding Sealing Material Grout	569	M 2
	57.1	SSS	Surface Damage Surface Spalling	671	S 2
	57.8	TBI	Tap Break-in Intruding	691	M 2
	60.4	CM	Crack Multiple	771	S 3
	64.4	DSF	Deposits Settled Fine	803	M 2
	78.4	ISGT	Intruding Sealing Material Grout	882	M 2
	82.6	ISGT	Intruding Sealing Material Grout	926	M 2
	107.1	FM	Fracture Multiple	1075	S 4
	112.9	RFJ	Roots Fine Joint	1111	M 1
	119.1	RFJ	Roots Fine Joint	1180	M 1
	121.0	RFJ	Roots Fine Joint	1210	M 1
	121.0	CL	Crack Longitudinal	1227	S 2
	133.3	RFJ(S02)	Roots Fine Joint	1329	M 1
	141.3	RTJ	Roots Tap Joint	1383	M 2
	147.3	RMJ	Roots Medium Joint	1436	M 3
	151.8	FM	Fracture Multiple	1538	S 4
	153.8	CS	Crack Spiral	1584	S 2
	157.8	FS	Fracture Spiral	1632	S 3
	158.2	RFJ(F02)	Roots Fine Joint	1655	M 1
	160.4	AMH	Manhole	1749	NA
	M-605-074				



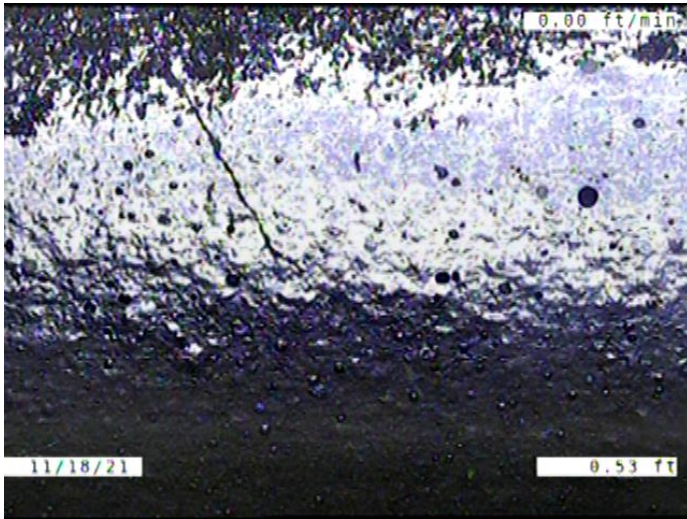
Code: **AMH**
 Description: **Manhole**

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-605-075**



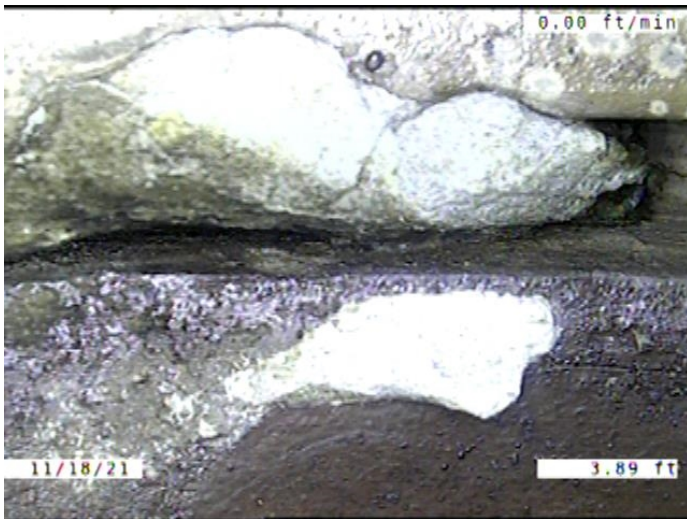
Code: **MWL**
 Description: **Miscellaneous Water Level**

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:



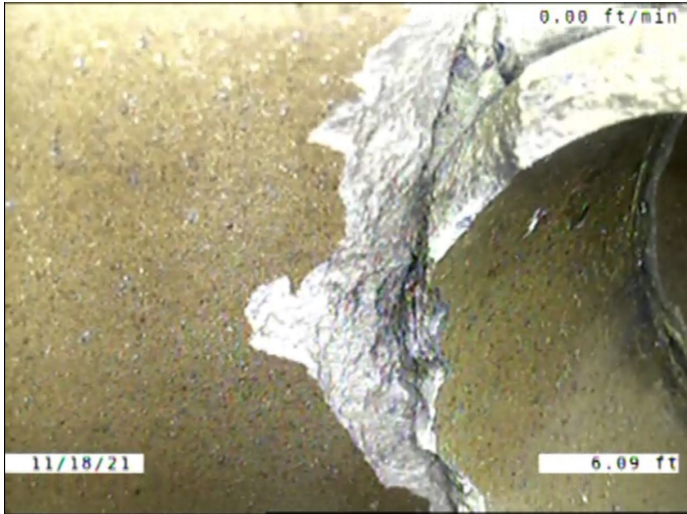
Code: **CM**
 Description: **Crack Multiple**

Distance (ft): **.5**
 Structural Grade: **3**
 O&M Grade: **0**
 Clock Start/From: **12**
 Clock To: **1**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



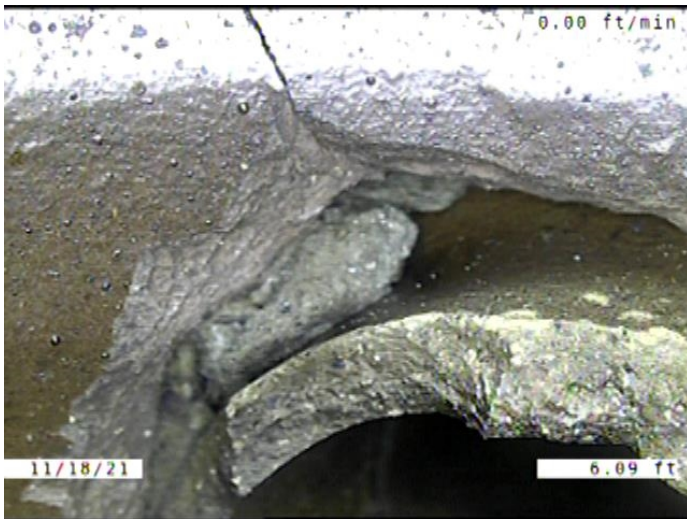
Code: **ISGT**
 Description: **Intruding Sealing Material Grout**

Distance (ft): **3.9**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **12**
 Clock To: **12**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index: **S01**
 Within 8" of Joint: **NO**
 Remarks:



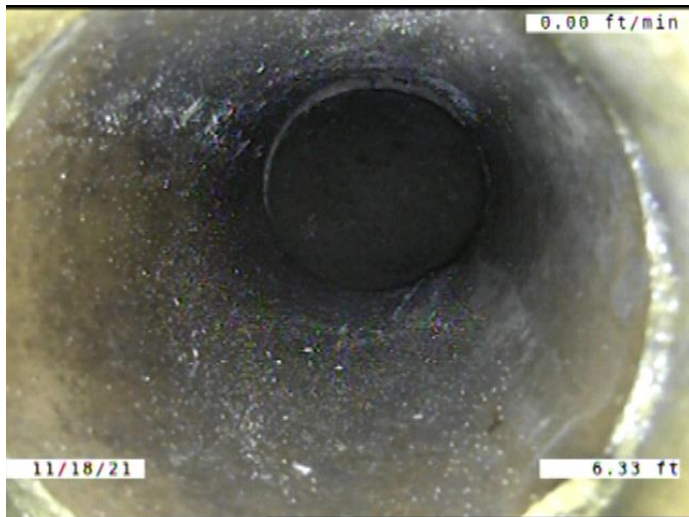
Code: **SSS**
 Description: **Surface Damage Surface Spalling**

Distance (ft): **6.1**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From: **11**
 Clock To: **2**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks:



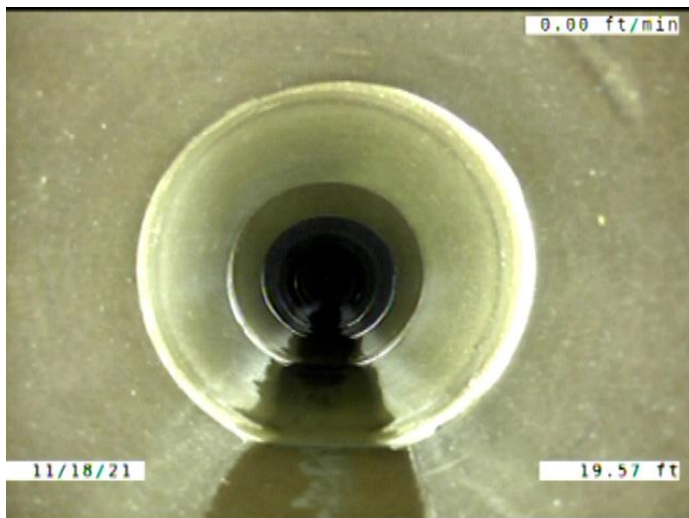
Code: **CM**
 Description: **Crack Multiple**

Distance (ft): **6.1**
 Structural Grade: **3**
 O&M Grade: **0**
 Clock Start/From: **11**
 Clock To: **2**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



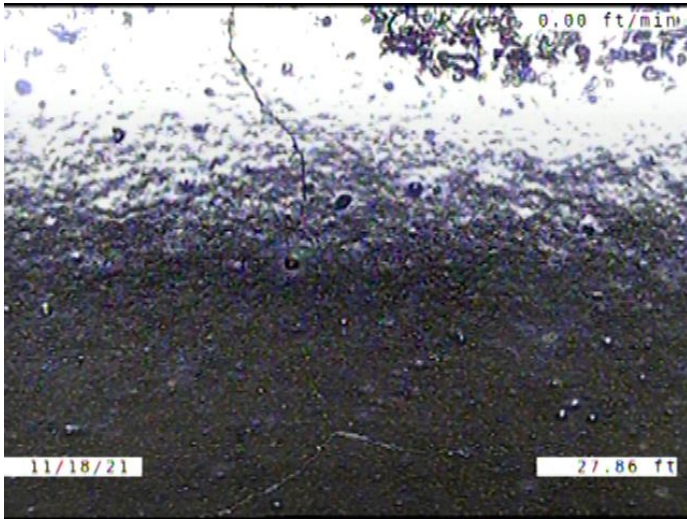
Code: **TBI**
 Description: **Tap Break-in Intruding**

Distance (ft): **6.3**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **12**
 Clock To:
 1st Value: **6.000**
 2nd Value: **1.000**
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



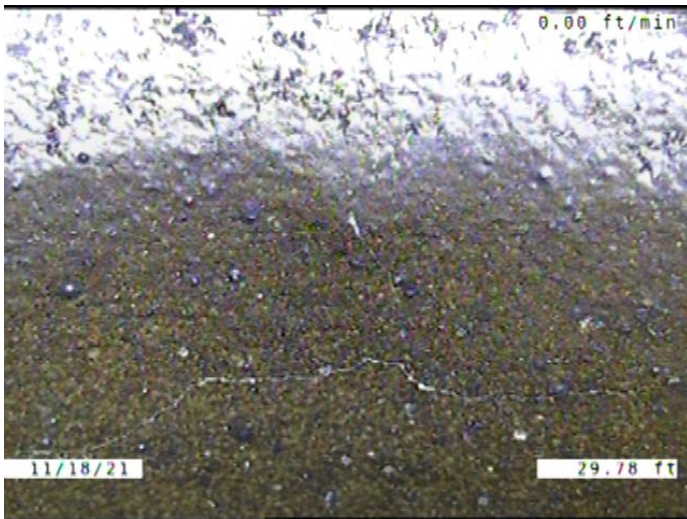
Code: **ISGT**
 Description: **Intruding Sealing Material Grout**

Distance (ft): **19.6**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **12**
 Clock To: **12**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index: **F01**
 Within 8" of Joint: **NO**
 Remarks:



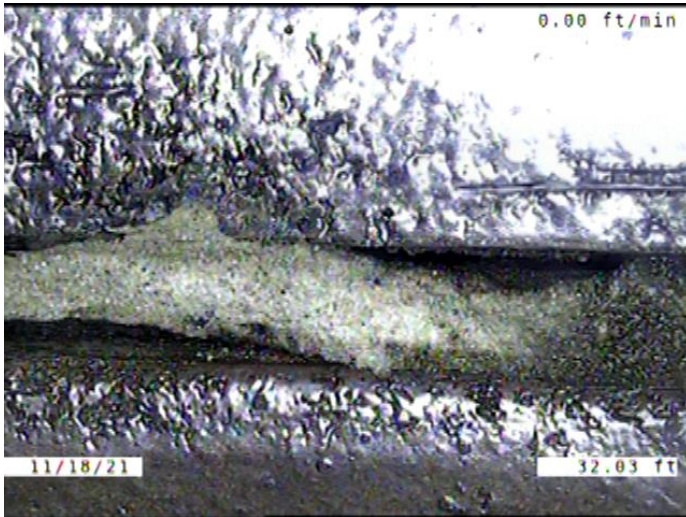
Code: **CM**
 Description: **Crack Multiple**

Distance (ft): **27.9**
 Structural Grade: **3**
 O&M Grade: **0**
 Clock Start/From: **11**
 Clock To: **2**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



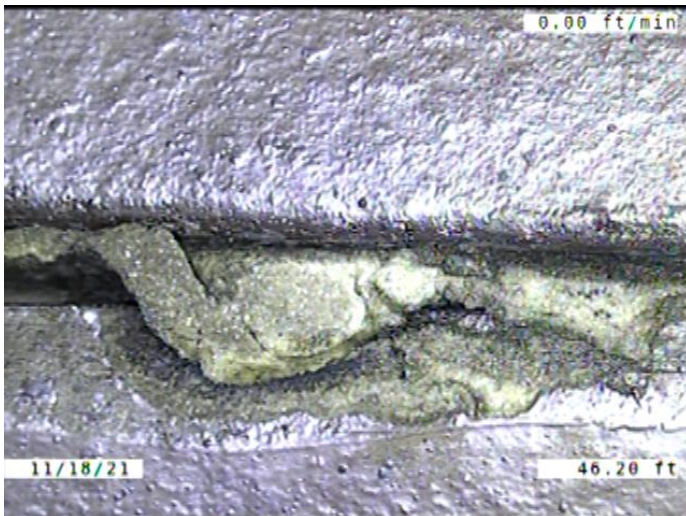
Code: **CM**
 Description: **Crack Multiple**

Distance (ft): **29.8**
 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:



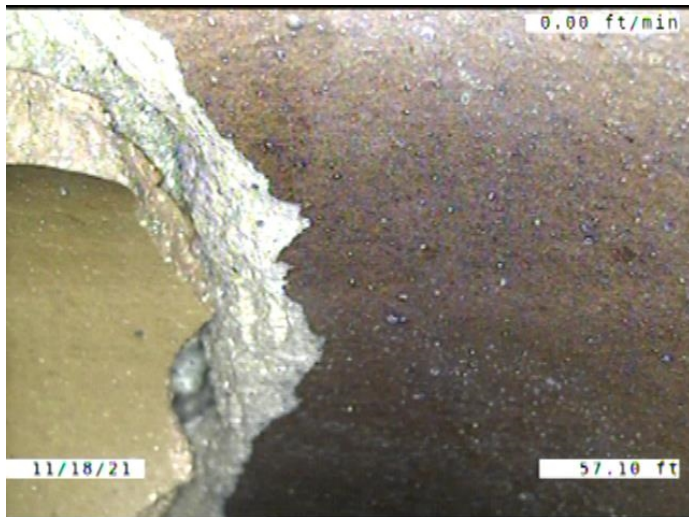
Code: **ISGT**
Description: **Intruding Sealing Material Grout**

Distance (ft): **32.0**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **3**
Clock To: **9**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index:
Within 8" of Joint: **NO**
Remarks:

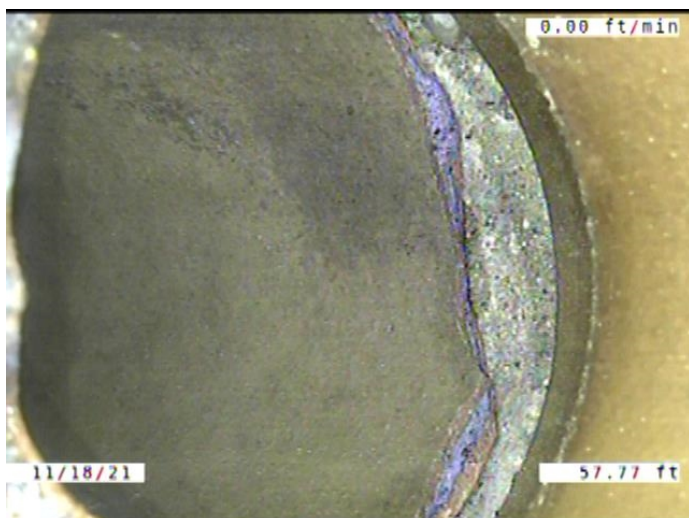


Code: **ISGT**
Description: **Intruding Sealing Material Grout**

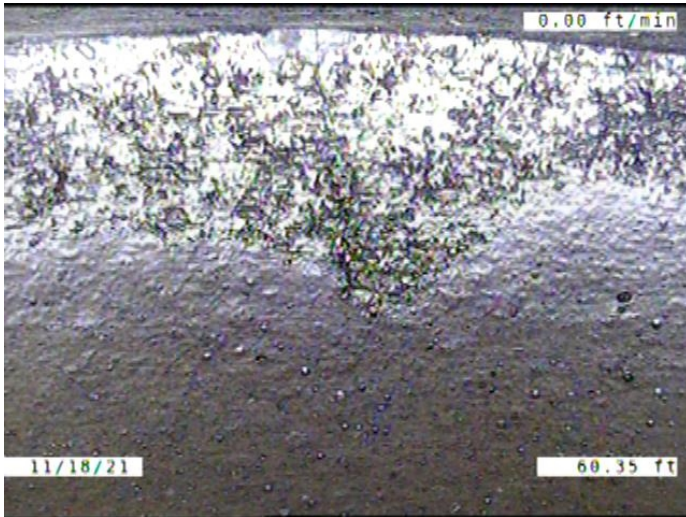
Distance (ft): **46.2**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **12**
Clock To: **12**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



Code:	SSS
Description:	Surface Damage Surface Spalling
Distance (ft):	57.1
Structural Grade:	2
O&M Grade:	0
Clock Start/From:	9
Clock To:	1
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	

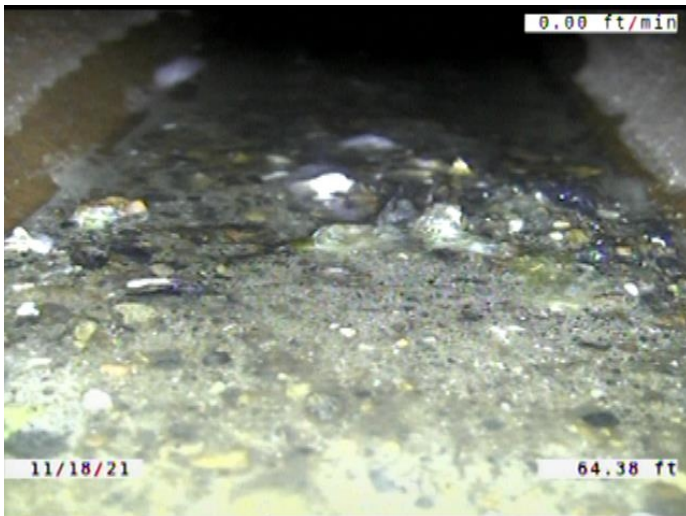


Code:	TBI
Description:	Tap Break-in Intruding
Distance (ft):	57.8
Structural Grade:	0
O&M Grade:	2
Clock Start/From:	11
Clock To:	
1st Value:	6.000
2nd Value:	3.000
Value Percent:	
Continuous Index:	
Within 8" of Joint:	NO
Remarks:	



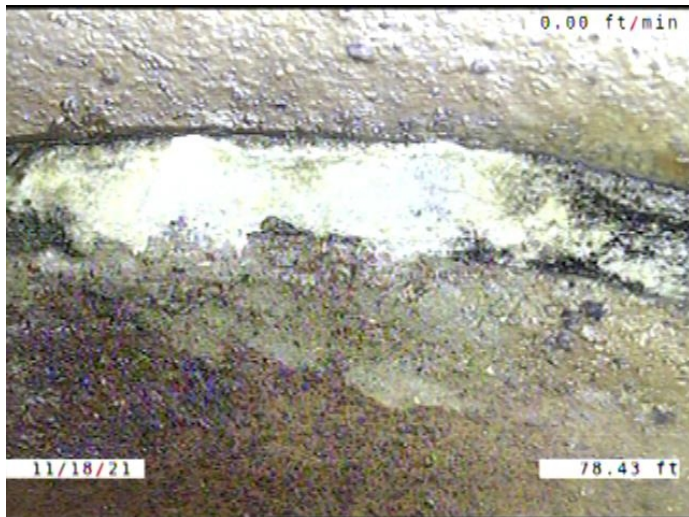
Code: **CM**
 Description: **Crack Multiple**

Distance (ft): **60.4**
 Structural Grade: **3**
 O&M Grade: **0**
 Clock Start/From: **10**
 Clock To: **4**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



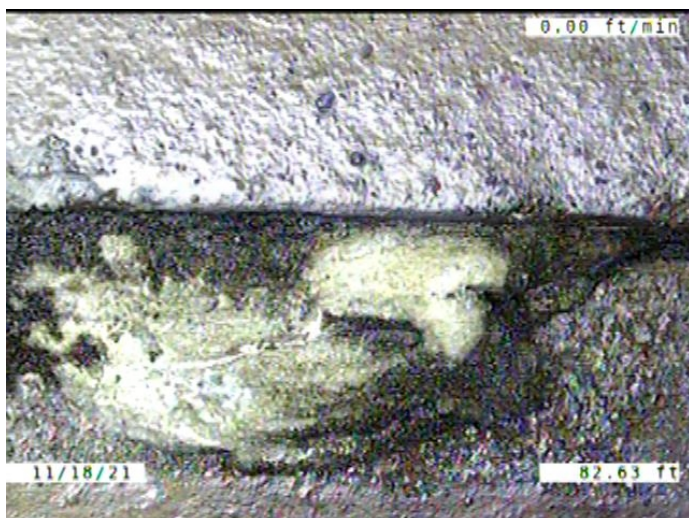
Code: **DSF**
 Description: **Deposits Settled Fine**

Distance (ft): **64.4**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **5**
 Clock To: **7**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



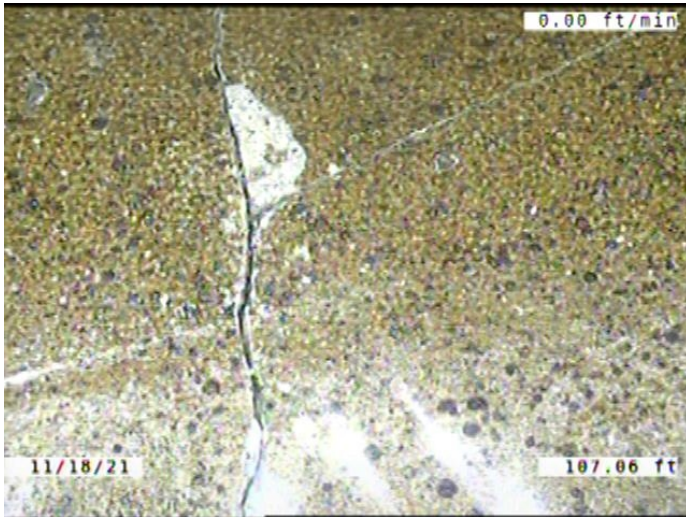
Code: **ISGT**
 Description: **Intruding Sealing Material Grout**

Distance (ft): **78.4**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **3**
 Clock To: **10**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks:



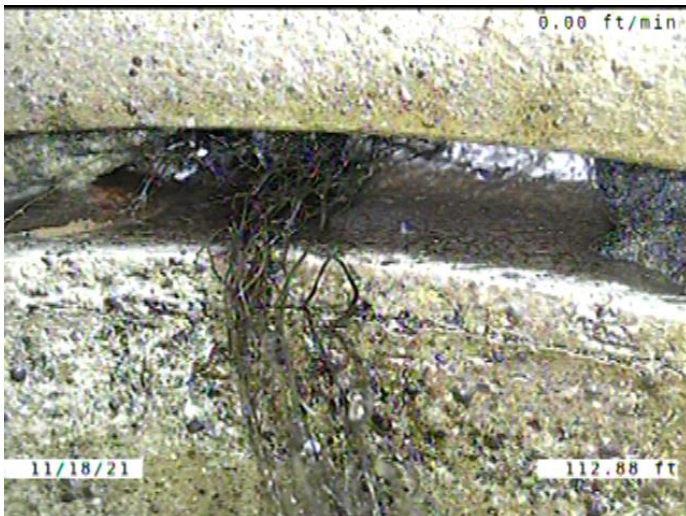
Code: **ISGT**
 Description: **Intruding Sealing Material Grout**

Distance (ft): **82.6**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **2**
 Clock To: **10**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks:



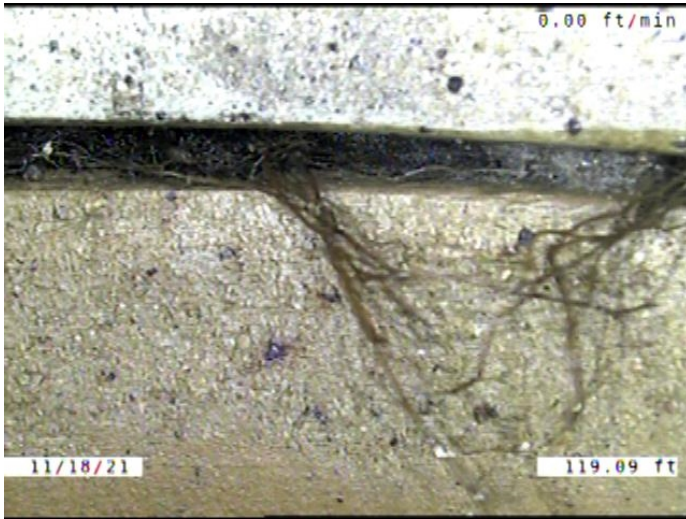
Code: **FM**
 Description: **Fracture Multiple**

Distance (ft): **107.1**
 Structural Grade: **4**
 O&M Grade: **0**
 Clock Start/From: **1**
 Clock To: **9**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



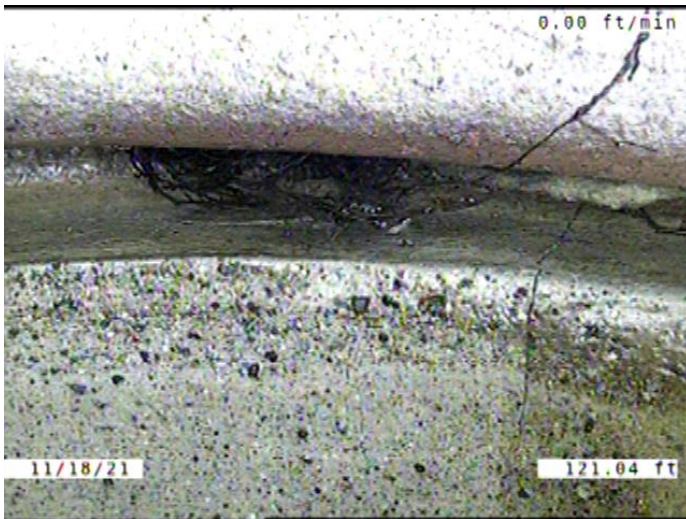
Code: **RFJ**
 Description: **Roots Fine Joint**

Distance (ft): **112.9**
 Structural Grade: **0**
 O&M Grade: **1**
 Clock Start/From: **3**
 Clock To:
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



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

Distance (ft): **119.1**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **10**
Clock To: **3**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



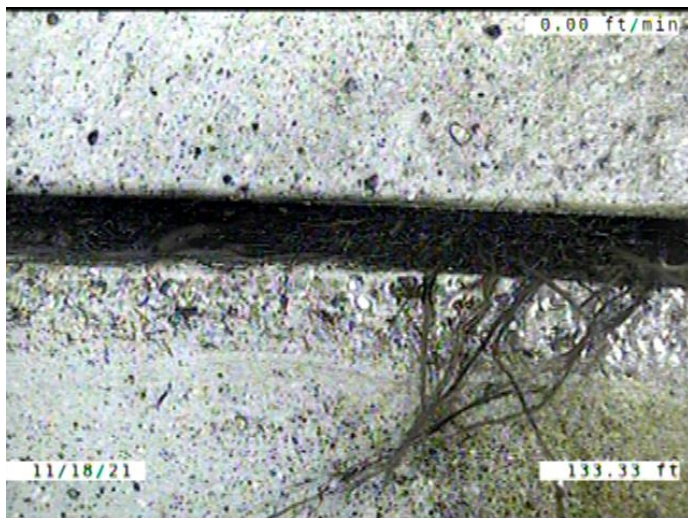
Code: **RFJ**
Description: **Roots Fine Joint**

Distance (ft): **121.0**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **2**
Clock To: **3**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



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

Distance (ft): **121.0**
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:



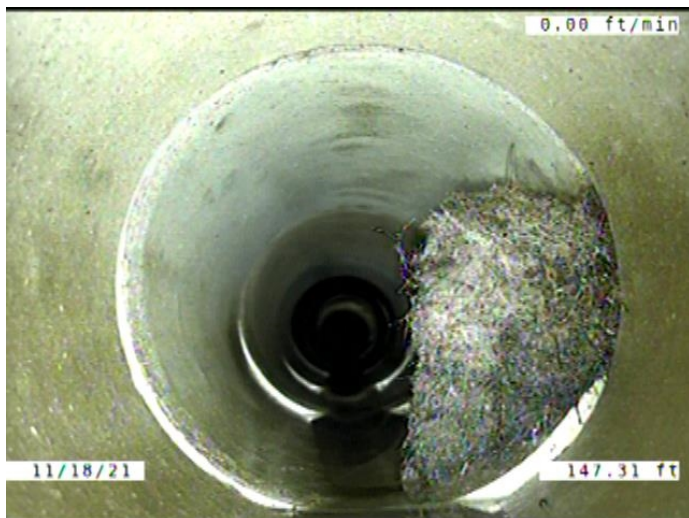
Code: **RFJ**
Description: **Roots Fine Joint**

Distance (ft): **133.3**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **9**
Clock To: **4**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **S02**
Within 8" of Joint: **YES**
Remarks:



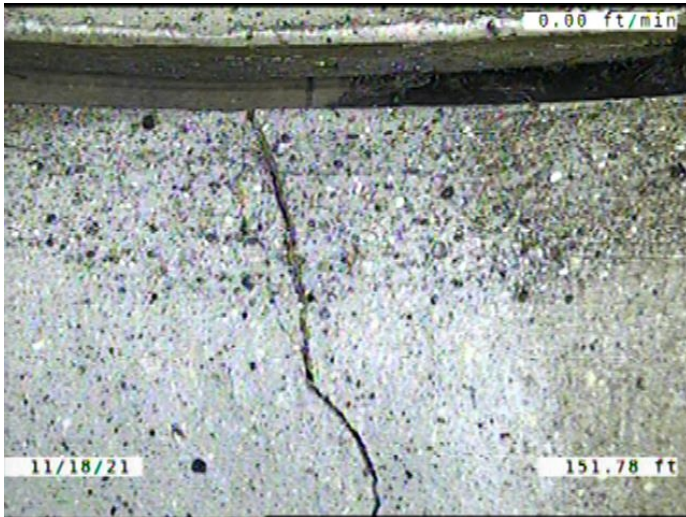
Code: **RTJ**
 Description: **Roots Tap Joint**

Distance (ft): **141.3**
 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:



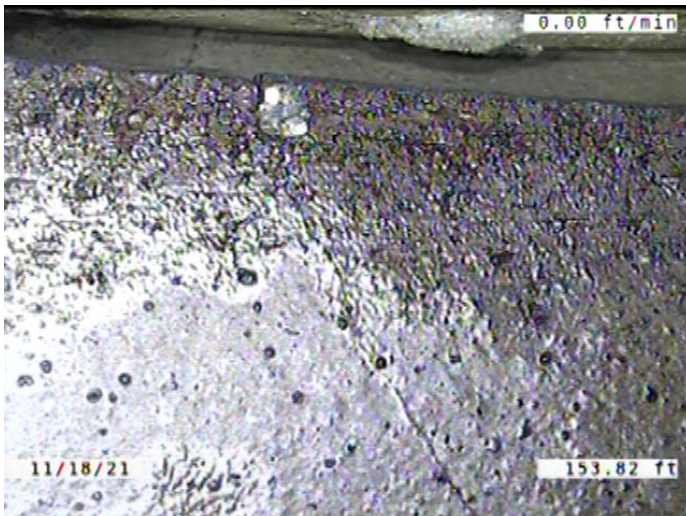
Code: **RMJ**
 Description: **Roots Medium Joint**

Distance (ft): **147.3**
 Structural Grade: **0**
 O&M Grade: **3**
 Clock Start/From: **2**
 Clock To: **6**
 1st Value:
 2nd Value:
 Value Percent: **20.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



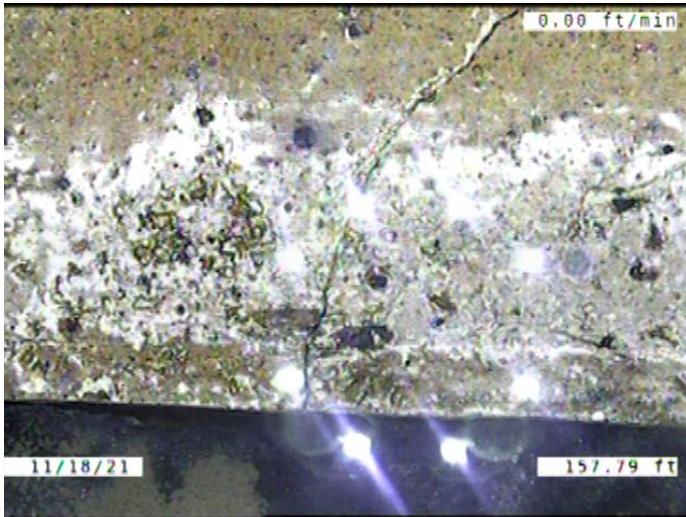
Code: **FM**
 Description: **Fracture Multiple**

Distance (ft): **151.8**
 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: **CS**
 Description: **Crack Spiral**

Distance (ft): **153.8**
 Structural Grade: **2**
 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:



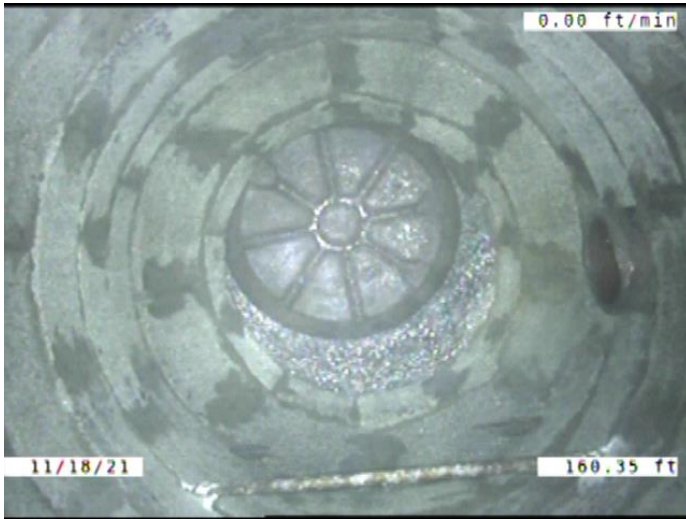
Code: **FS**
 Description: **Fracture Spiral**

Distance (ft): **157.8**
 Structural Grade: **3**
 O&M Grade: **0**
 Clock Start/From: **3**
 Clock To: **6**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



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

Distance (ft): **158.2**
 Structural Grade: **0**
 O&M Grade: **1**
 Clock Start/From: **9**
 Clock To: **4**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index: **F02**
 Within 8" of Joint: **YES**
 Remarks:



Code:	AMH
Description:	Manhole
Distance (ft):	160.4
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-605-074