

Profile/Photo Observation Report



Date:	11/10/2021	Weather:		Coding:	PACP 7.0
Pipe Length (ft):	163.5	Owner:	City of Hobart	Pre Clean:	Heavy Cleaning
P.O.#:	YES502259	Surveyor:	Steven Bucklin	PSR:	
Customer:	City of Hobart, IN (Red	Clean Date:	11/10/2021	Shape:	C

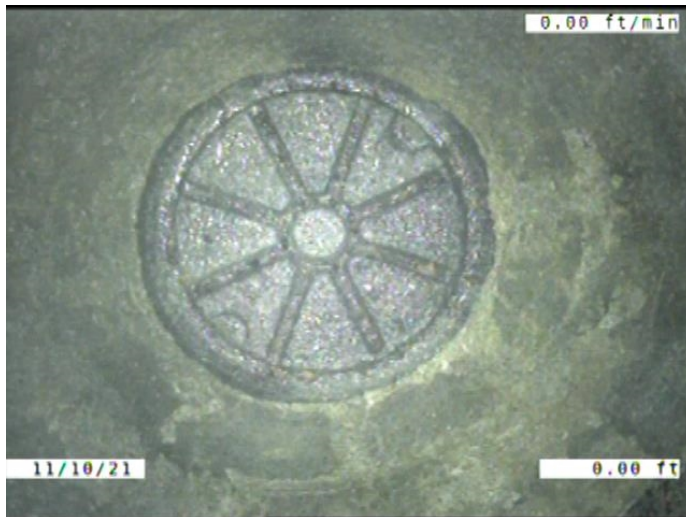
Street:	West Home Avenue	Flow Control:	Not Controlled
City:	City of Hobart	Year Renewed:	
Location:	Local rural streets with light traffic, t	Tape/Media #:	
Purpose:	Routine Assessment	Dia/Height:	10"
Use:	Sanitary Sewage Pipe	Material:	VCP
Drain Area:		Lining:	None
Category:	NA		
Comment:			
Location Details:		Direction of Survey:	Downstream
US MH:	UNK W HOME AVE	DS MH:	M-604-058
		Total Length Surveyed (ft):	163.5

O&M Index:	1.91	O&M Quick:	2E13	O&M Rating:	63.00
Structural Index:	2.51	Structural Quick:	4A37	Structural Rating:	133.00
Overall Index:	2.28	Overall Quick:	4A37	Overall Rating:	196.00

	Position	Code	Observation	Video (sec)	Grade
<div>UNK W HOME AVE</div> <div>Camera Direction</div>	.0	AMH	Manhole	1	NA
	.0	MWL	Miscellaneous Water Level	124	NA
	3.7	FS	Fracture Spiral	195	S 3
	12.3	DSF(S01)	Deposits Settled Fine	281	M 2
	12.3	MWLS(S02)	Miscellaneous Water Level Sag	290	S 2
	18.5	JAM	Joint Angular Medium	358	S 3
	23.6	MWLS(F02)	Miscellaneous Water Level Sag	395	S 2
	31.1	SSS	Surface Damage Surface Spalling	444	S 2
	38.1	SSS	Surface Damage Surface Spalling	493	S 2
	59.4	MWLS(S03)	Miscellaneous Water Level Sag	617	S 2
	65.8	SSS	Surface Damage Surface Spalling	705	S 2
	65.8	FM	Fracture Multiple	707	S 4
	68.8	FM	Fracture Multiple	771	S 4
	83.5	CL	Crack Longitudinal	866	S 2
	86.5	FS	Fracture Spiral	908	S 3
	86.5	SZ	Surface Damage Other	922	NA
	87.5	TFC	Tap Factory Capped	935	NA
89.5	FM	Fracture Multiple	979	S 4	

89.5	FS	Fracture Spiral	1008	S 3
90.3	TFC	Tap Factory Capped	1033	NA
94.2	SZ(S10)	Surface Damage Other	1072	NA
95.4	FM(S04)	Fracture Multiple	1113	S 4
95.4	JAM	Joint Angular Medium	1120	S 3
98.0	SZ(F10)	Surface Damage Other	1146	NA
112.9	RFJ	Roots Fine Joint	1296	M 1
112.9	B	Broken	1315	S 4
117.3	MWLS(S05)	Miscellaneous Water Level Sag	1357	S 2
118.7	FM(F04)	Fracture Multiple	1377	S 4
118.7	FM	Fracture Multiple	1401	S 4
123.7	SZ	Surface Damage Other	1440	NA
125.0	RFJ	Roots Fine Joint	1453	M 1
130.9	RFJ	Roots Fine Joint	1511	M 1
143.9	CM	Crack Multiple	1605	S 3
153.1	CM	Crack Multiple	1652	S 3
155.8	CL	Crack Longitudinal	1664	S 2
159.6	MWLS(F03)	Miscellaneous Water Level Sag	1687	S 2
162.3	DSF(F01)	Deposits Settled Fine	1713	M 2
162.3	MWLS(F05)	Miscellaneous Water Level Sag	1723	S 2
163.5	AMH	Manhole	1837	NA

M-604-058



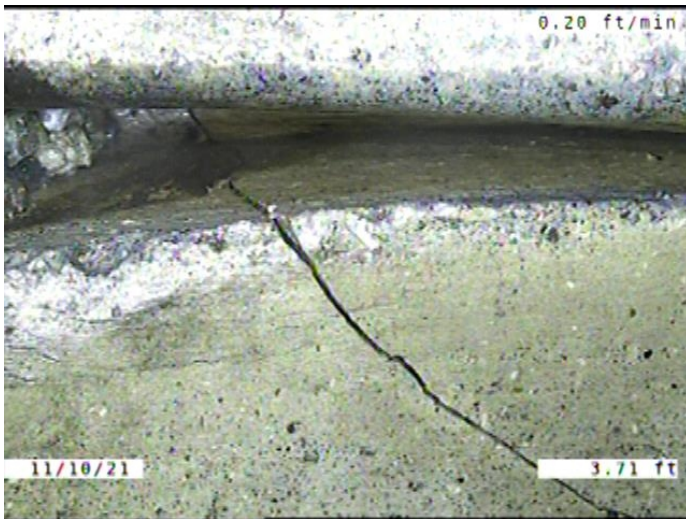
Code: **AMH**
Description: **Manhole**

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: **UNK W HOME AVE**



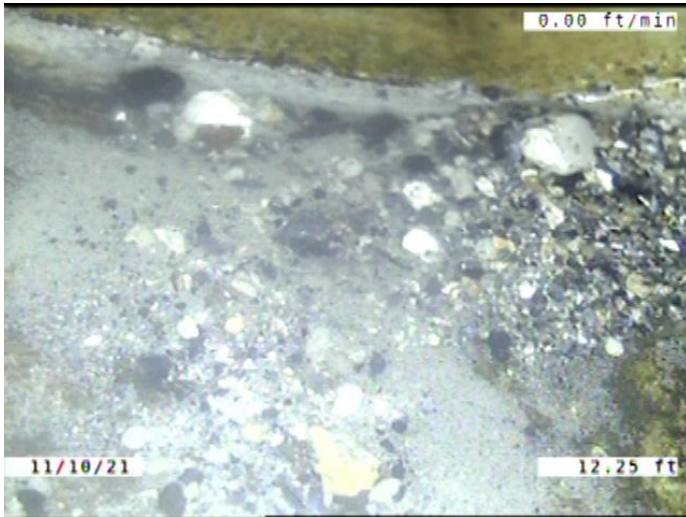
Code: **MWL**
 Description: **Miscellaneous Water Level**

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:



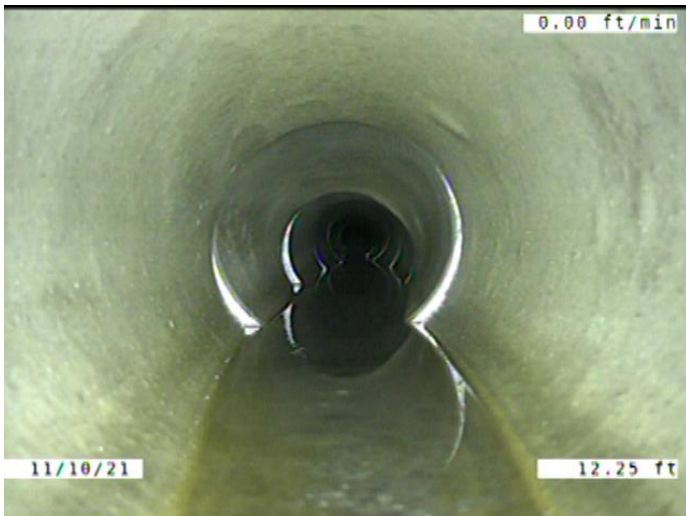
Code: **FS**
 Description: **Fracture Spiral**

Distance (ft): **3.7**
 Structural Grade: **3**
 O&M Grade: **0**
 Clock Start/From: **8**
 Clock To: **1**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



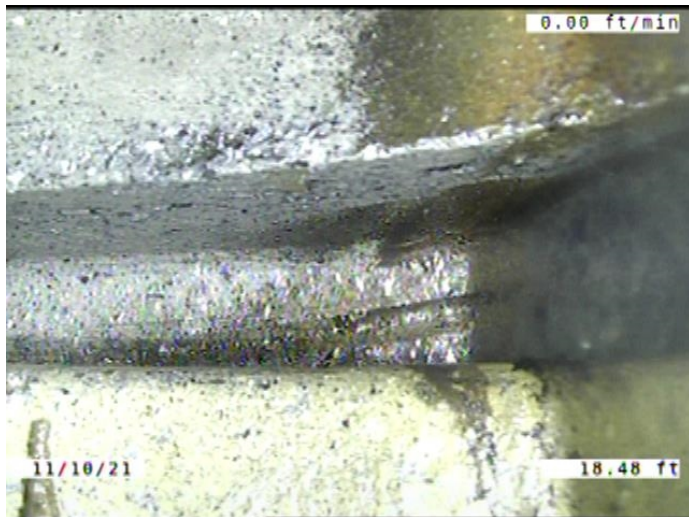
Code: **DSF**
Description: **Deposits Settled Fine**

Distance (ft): **12.3**
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:



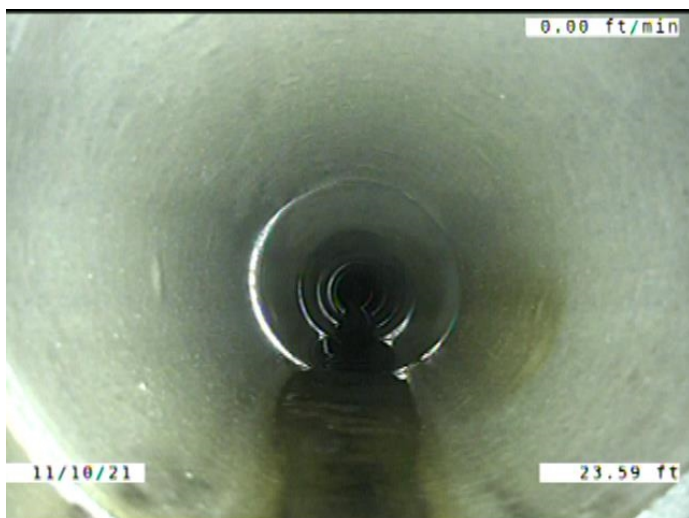
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **12.3**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **S02**
Within 8" of Joint: **NO**
Remarks:



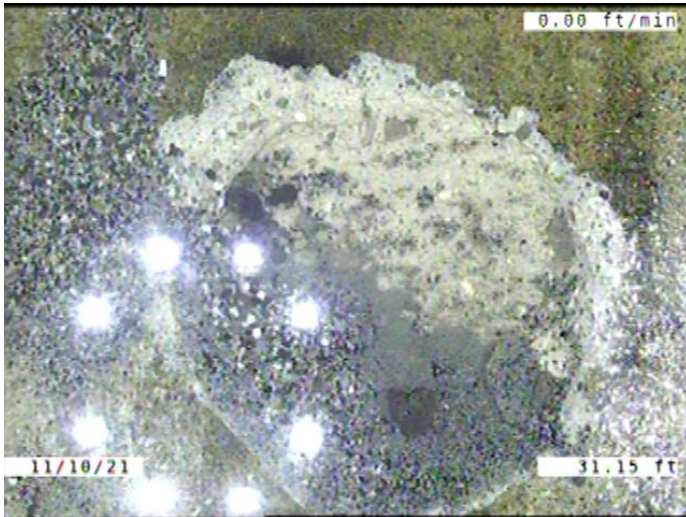
Code: **JAM**
 Description: **Joint Angular Medium**

Distance (ft): **18.5**
 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:



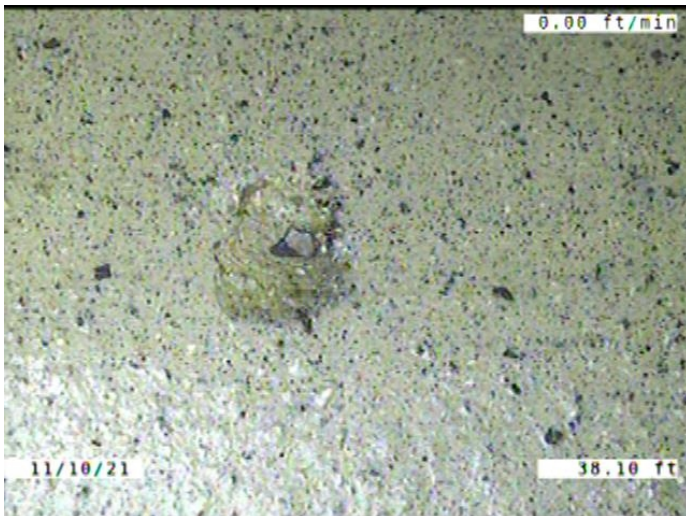
Code: **MWLS**
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **23.6**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index: **F02**
 Within 8" of Joint: **NO**
 Remarks:



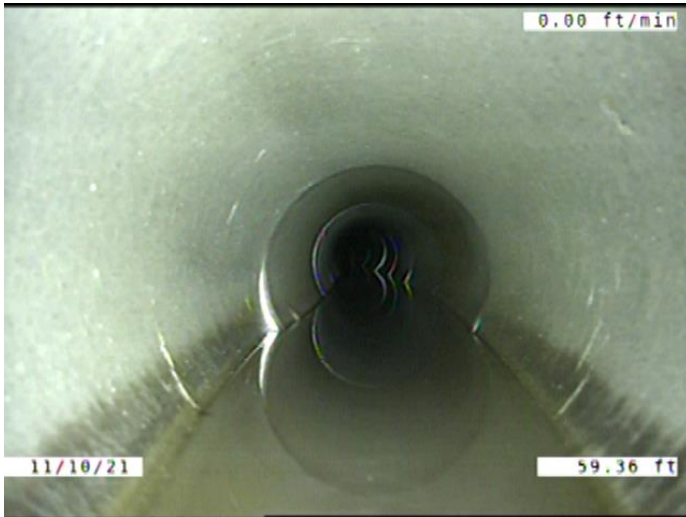
Code: **SSS**
Description: **Surface Damage Surface Spalling**

Distance (ft): **31.1**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From: **5**
Clock To: **6**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



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

Distance (ft): **38.1**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From: **3**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



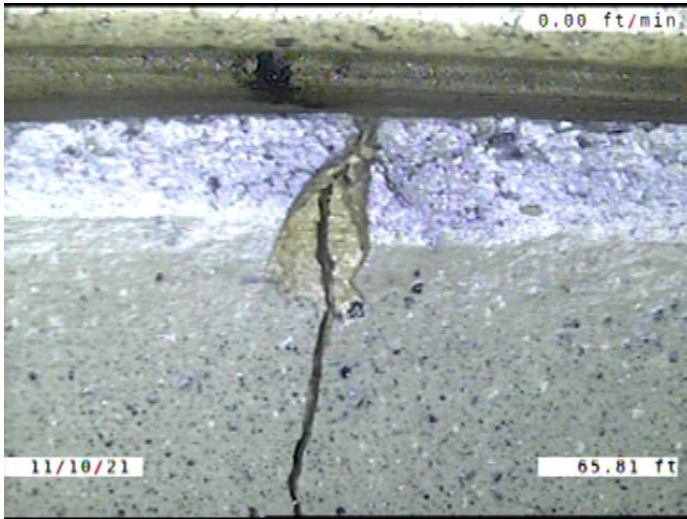
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **59.4**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **10.000**
Continuous Index: **S03**
Within 8" of Joint: **NO**
Remarks:



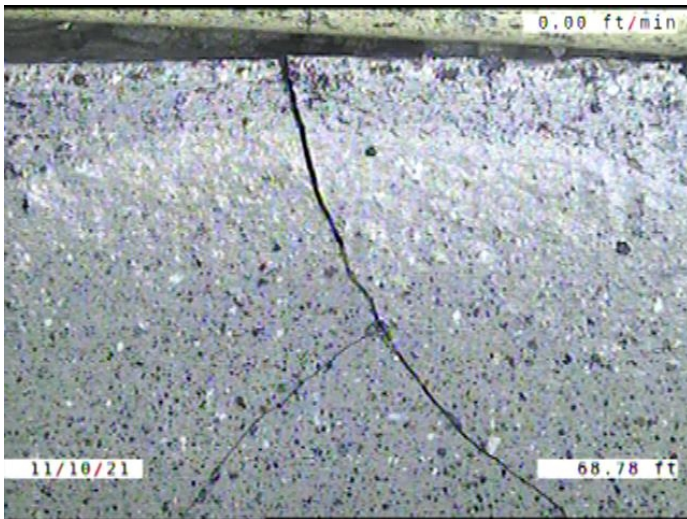
Code: **SSS**
Description: **Surface Damage Surface Spalling**

Distance (ft): **65.8**
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:



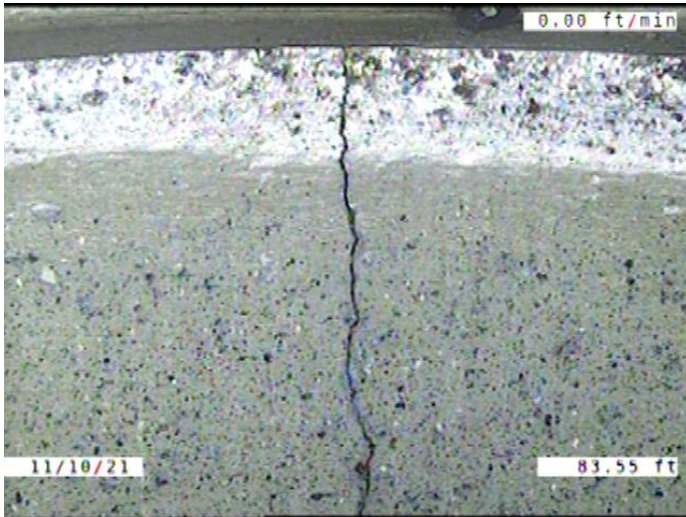
Code: **FM**
Description: **Fracture Multiple**

Distance (ft): **65.8**
Structural Grade: **4**
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: **FM**
Description: **Fracture Multiple**

Distance (ft): **68.8**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **12**
Clock To: **2**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



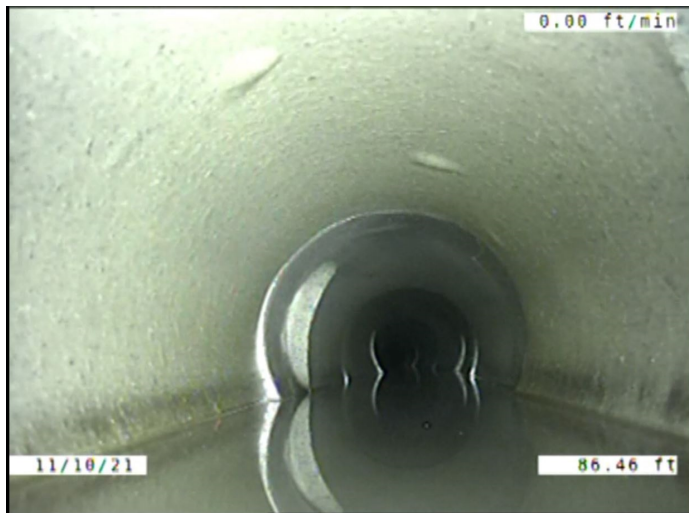
Code: **CL**
 Description: **Crack Longitudinal**

Distance (ft): **83.5**
 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:



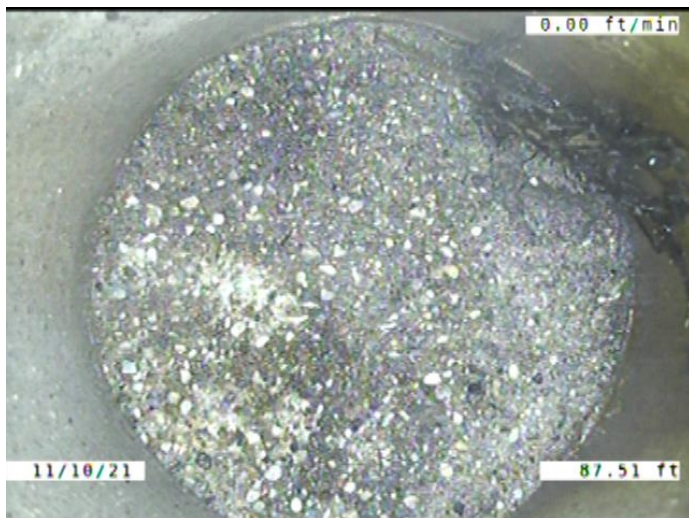
Code: **FS**
 Description: **Fracture Spiral**

Distance (ft): **86.5**
 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:



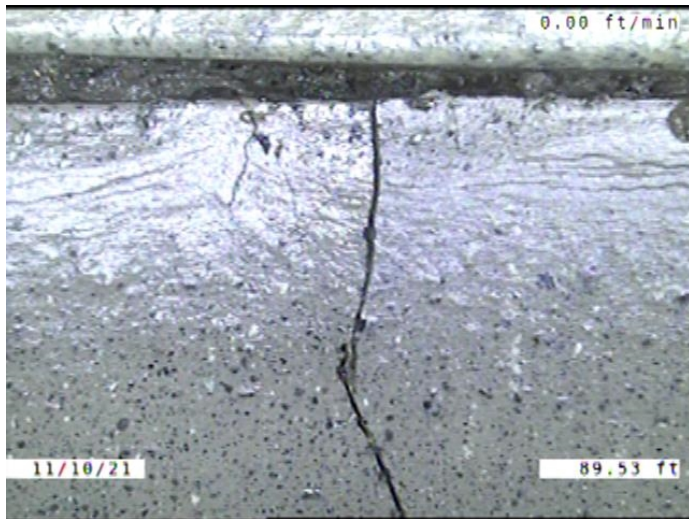
Code: **SZ**
 Description: **Surface Damage Other**

Distance (ft): **86.5**
 Structural Grade: **0**
 O&M Grade: **0**
 Clock Start/From: **10**
 Clock To: **2**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks: **Indentations, Factory Defect**



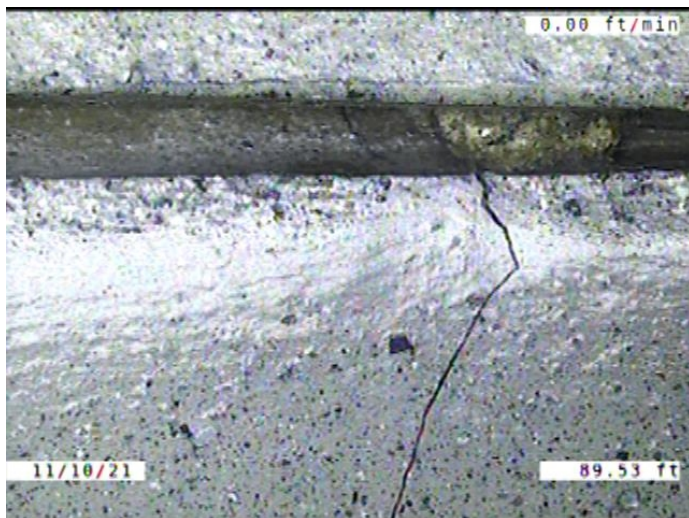
Code: **TFC**
 Description: **Tap Factory Capped**

Distance (ft): **87.5**
 Structural Grade: **0**
 O&M Grade: **0**
 Clock Start/From: **2**
 Clock To:
 1st Value: **4.000**
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks: **ROOTS GROWING AROUND THE CAP. CAP LOOKS TO BE LEAKING**



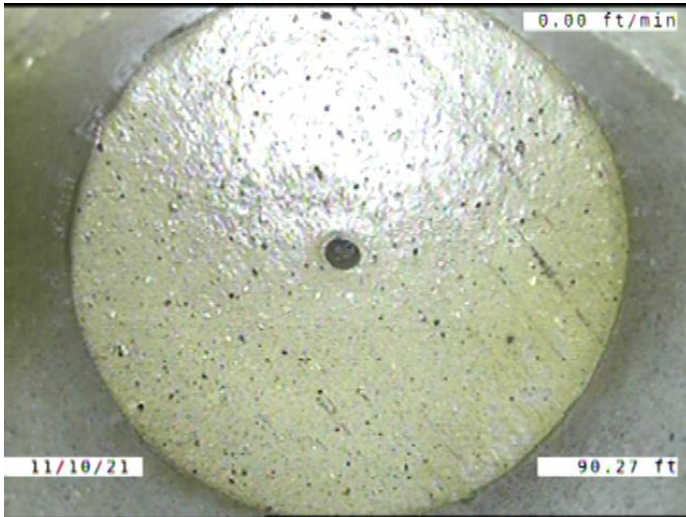
Code: **FM**
 Description: **Fracture Multiple**

Distance (ft): **89.5**
 Structural Grade: **4**
 O&M Grade: **0**
 Clock Start/From: **1**
 Clock To: **2**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



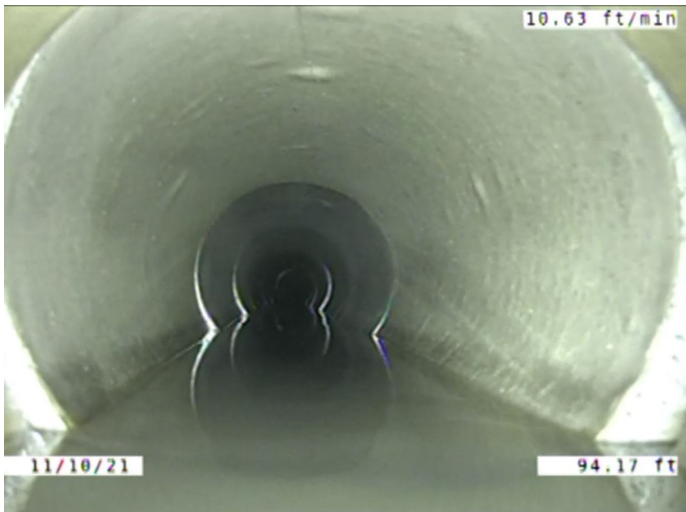
Code: **FS**
 Description: **Fracture Spiral**

Distance (ft): **89.5**
 Structural Grade: **3**
 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:



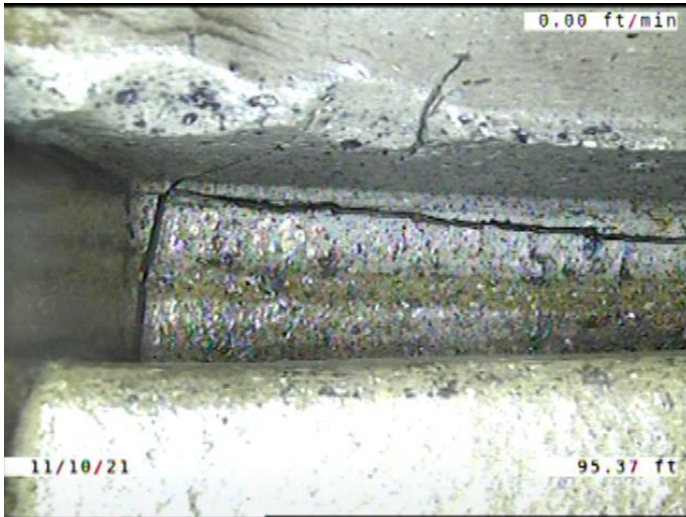
Code: **TFC**
 Description: **Tap Factory Capped**

Distance (ft): **90.3**
 Structural Grade: **0**
 O&M Grade: **0**
 Clock Start/From: **10**
 Clock To:
 1st Value: **4.000**
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



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

Distance (ft): **94.2**
 Structural Grade: **0**
 O&M Grade: **0**
 Clock Start/From: **10**
 Clock To: **2**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index: **S10**
 Within 8" of Joint: **NO**
 Remarks: **Indentations, Factory Defect**



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

Distance (ft): **95.4**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **9**
Clock To: **3**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **S04**
Within 8" of Joint: **YES**
Remarks:

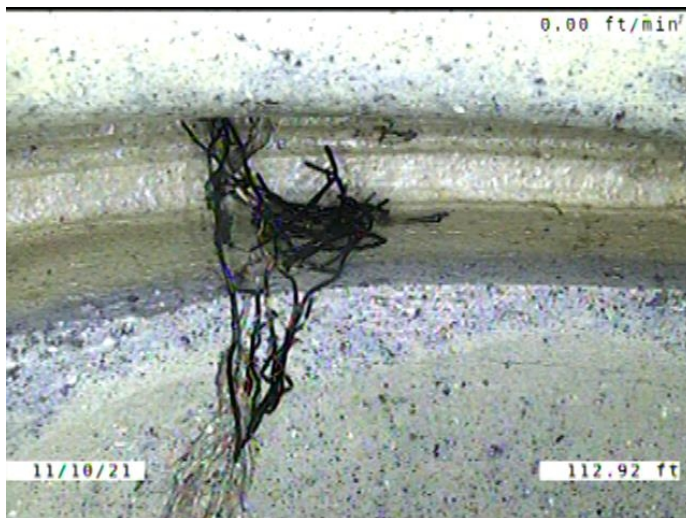


Code: **JAM**
Description: **Joint Angular Medium**

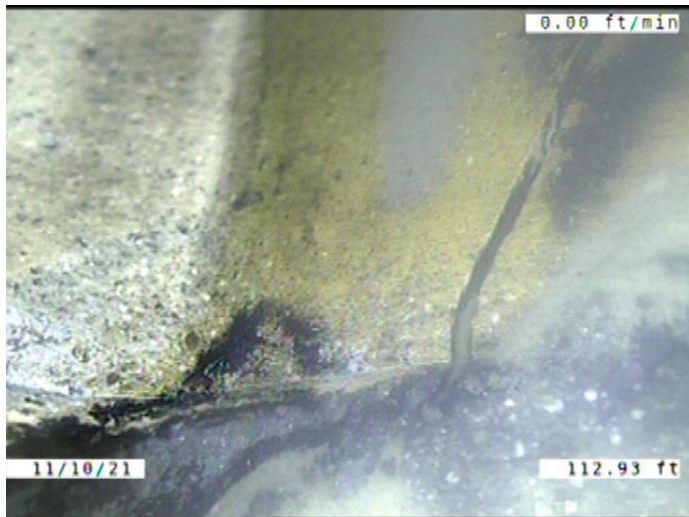
Distance (ft): **95.4**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



Code:	SZ
Description:	Surface Damage Other
Distance (ft):	98.0
Structural Grade:	0
O&M Grade:	0
Clock Start/From:	10
Clock To:	2
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	F10
Within 8" of Joint:	NO
Remarks:	Indentations, Factory Defect

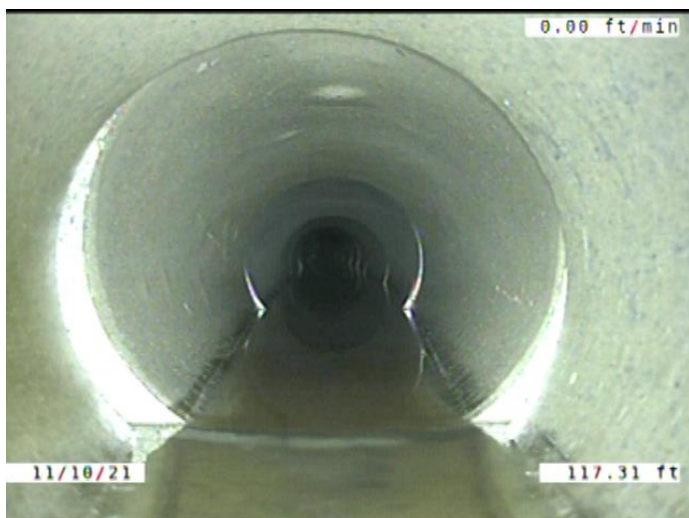


Code:	RFJ
Description:	Roots Fine Joint
Distance (ft):	112.9
Structural Grade:	0
O&M Grade:	1
Clock Start/From:	9
Clock To:	11
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



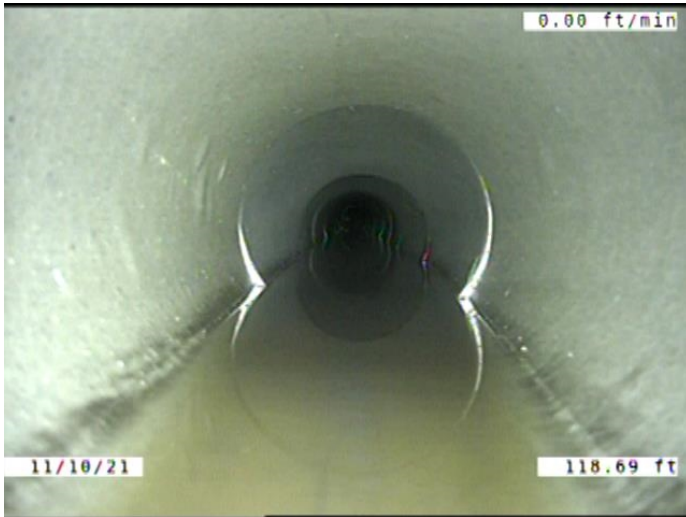
Code: **B**
 Description: **Broken**

Distance (ft): **112.9**
 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: **MWLS**
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **117.3**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **10.000**
 Continuous Index: **S05**
 Within 8" of Joint: **NO**
 Remarks:



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

Distance (ft): **118.7**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **9**
Clock To: **3**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **F04**
Within 8" of Joint: **YES**
Remarks:



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

Distance (ft): **118.7**
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:



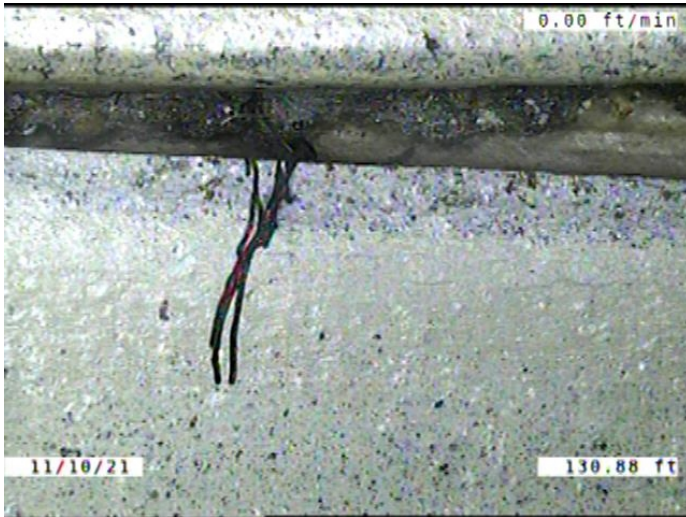
Code: **SZ**
 Description: **Surface Damage Other**

Distance (ft): **123.7**
 Structural Grade: **0**
 O&M Grade: **0**
 Clock Start/From: **9**
 Clock To: **3**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks: **Indentations, Factory Defect**



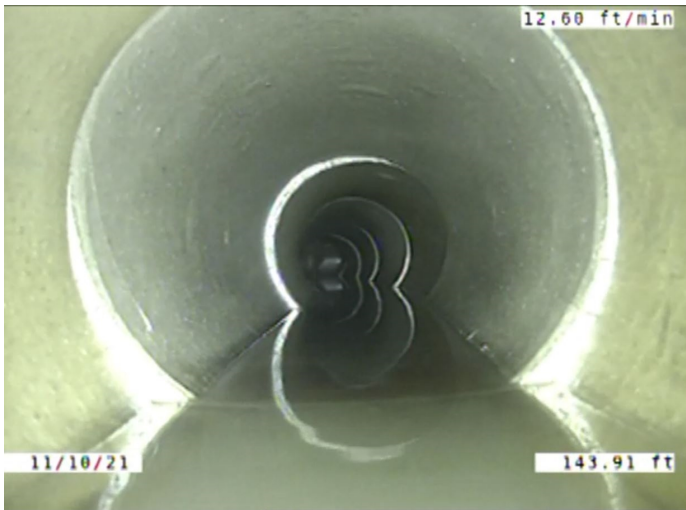
Code: **RFJ**
 Description: **Roots Fine Joint**

Distance (ft): **125.0**
 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: **RFJ**
Description: **Roots Fine Joint**

Distance (ft): **130.9**
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:



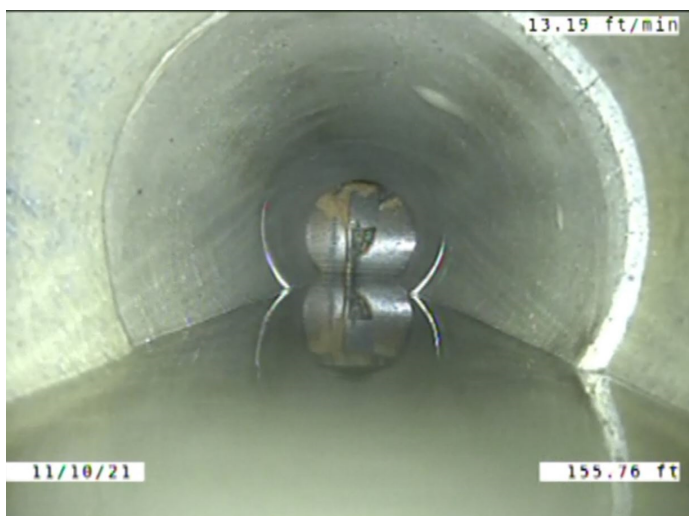
Code: **CM**
Description: **Crack Multiple**

Distance (ft): **143.9**
Structural Grade: **3**
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:



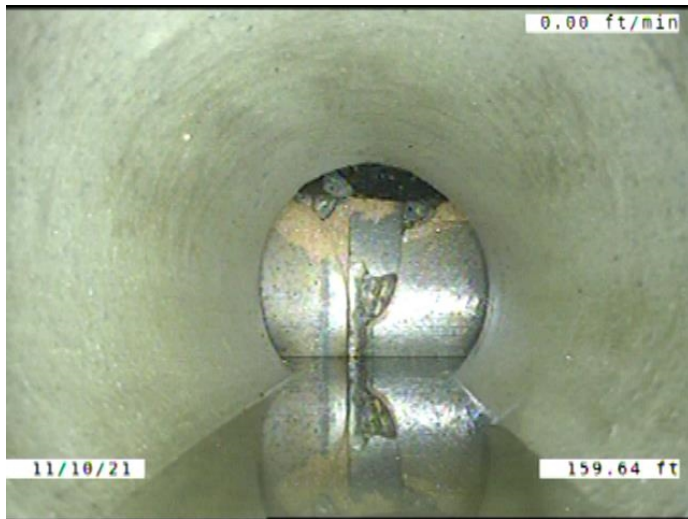
Code: **CM**
Description: **Crack Multiple**

Distance (ft): **153.1**
Structural Grade: **3**
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:



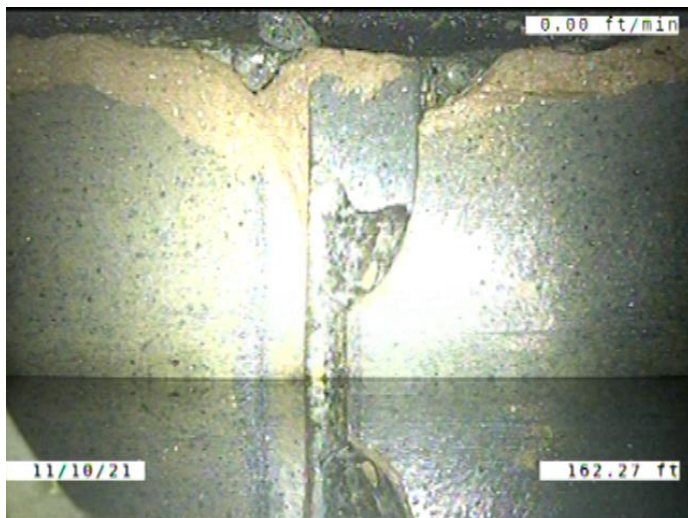
Code: **CL**
Description: **Crack Longitudinal**

Distance (ft): **155.8**
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:



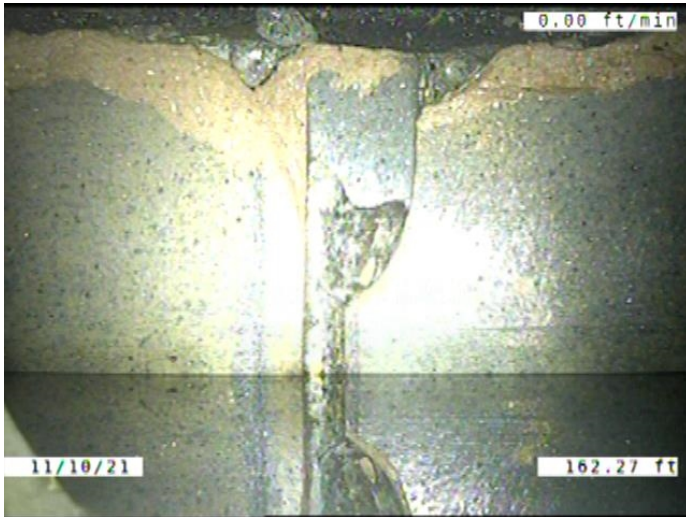
Code: **MWLS**
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **159.6**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **10.000**
 Continuous Index: **F03**
 Within 8" of Joint: **NO**
 Remarks:



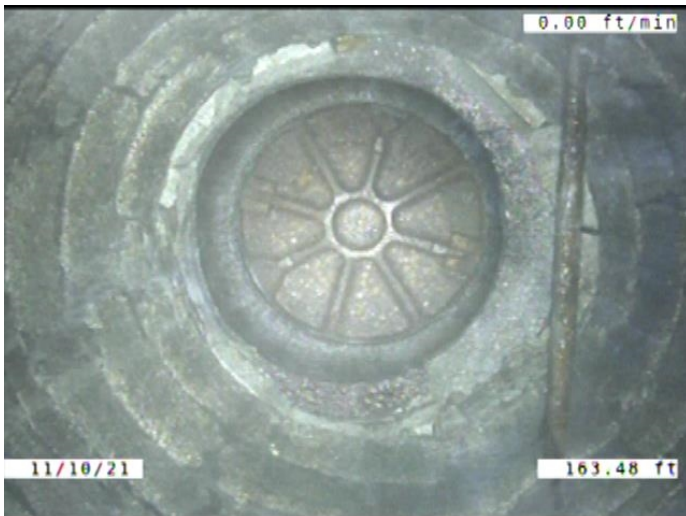
Code: **DSF**
 Description: **Deposits Settled Fine**

Distance (ft): **162.3**
 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: **MWLS**
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **162.3**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **10.000**
 Continuous Index: **F05**
 Within 8" of Joint: **NO**
 Remarks:



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

Distance (ft): **163.5**
 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: **M-604-058**