

# Profile/Photo Observation Report



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

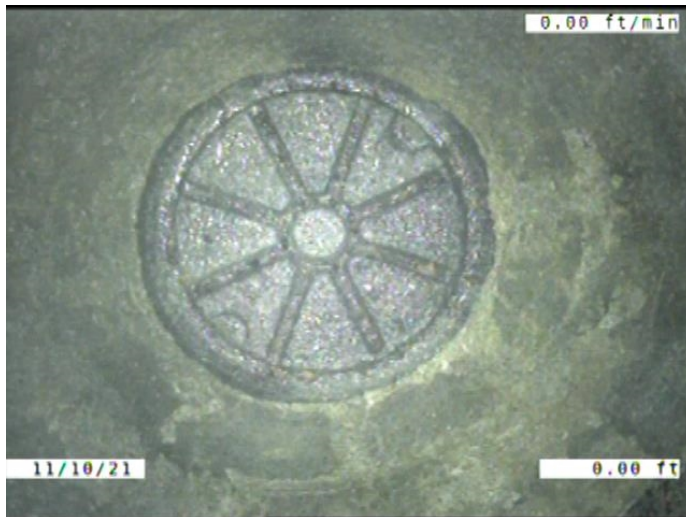
Street:	<b>West Home Avenue</b>	Flow Control:	<b>Not Controlled</b>
City:	<b>City of Hobart</b>	Year Renewed:	
Location:	<b>Local rural streets with light traffic, t</b>	Tape/Media #:	
Purpose:	<b>Routine Assessment</b>	Dia/Height:	<b>10"</b>
Use:	<b>Sanitary Sewage Pipe</b>	Material:	<b>VCP</b>
Drain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

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

	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**



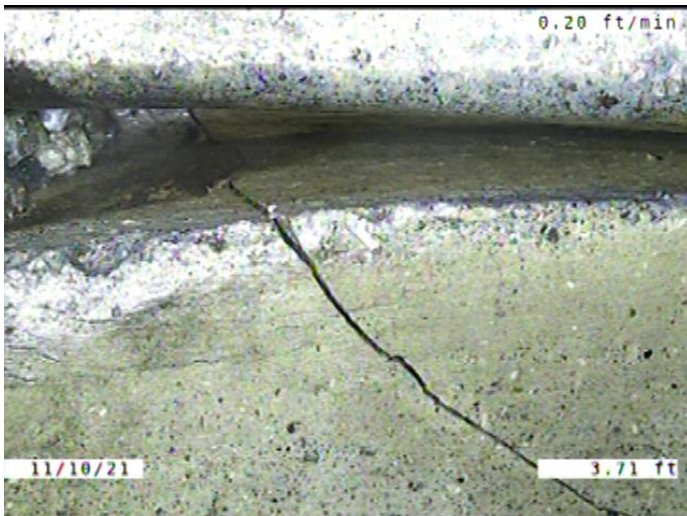
Code: **AMH**  
Description: **Manhole**

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**



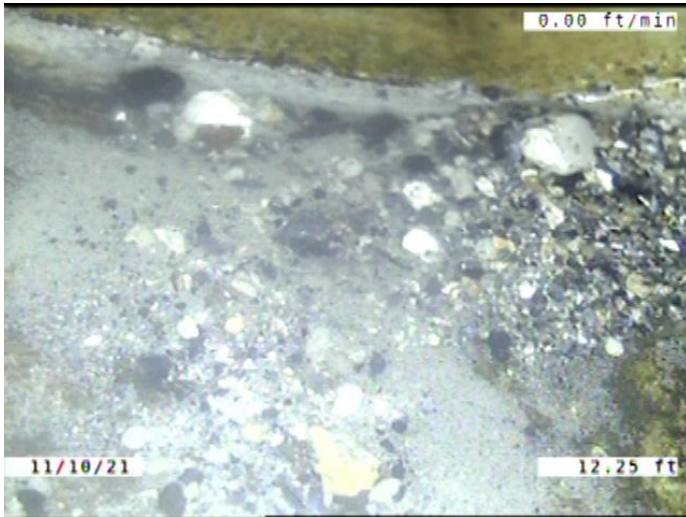
Code: **MWL**  
 Description: **Miscellaneous Water Level**

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**

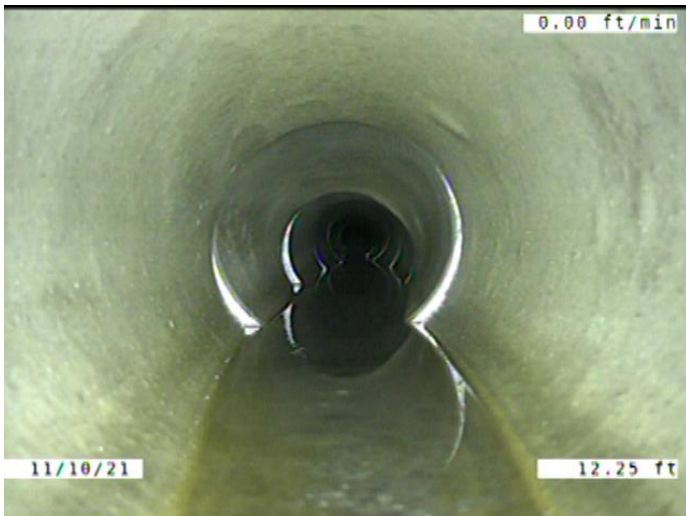
Distance (ft): **3.7**  
 Structural Grade: **3**  
 O&M Grade: **0**  
 Clock Start/From: **8**  
 Clock To: **1**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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:

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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:

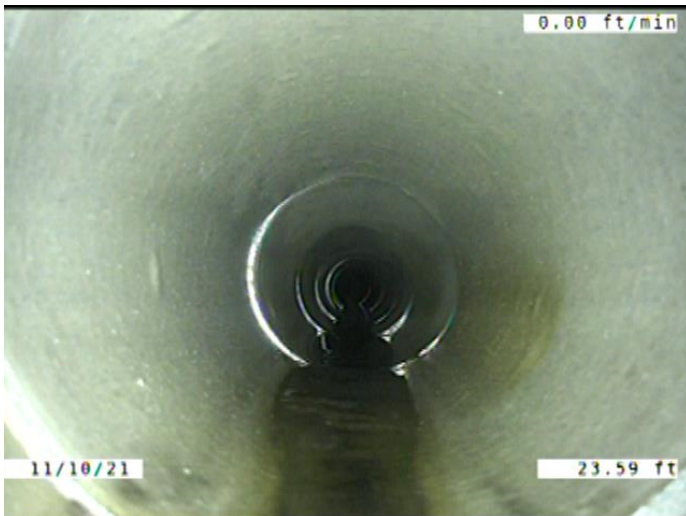
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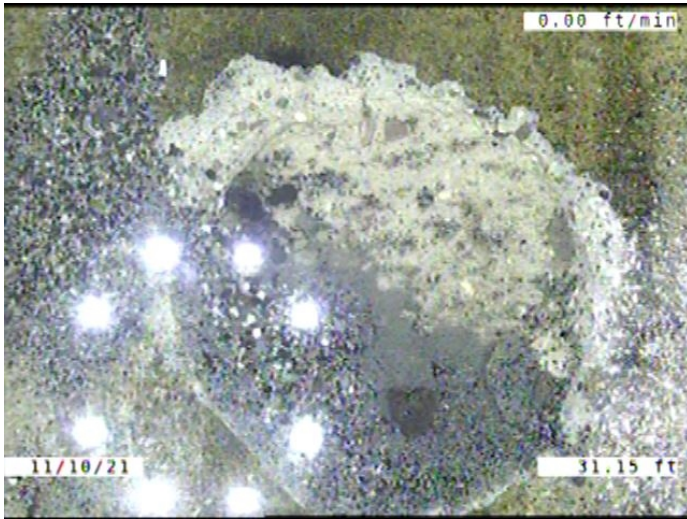
Code: **JAM**  
 Description: **Joint Angular Medium**

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**

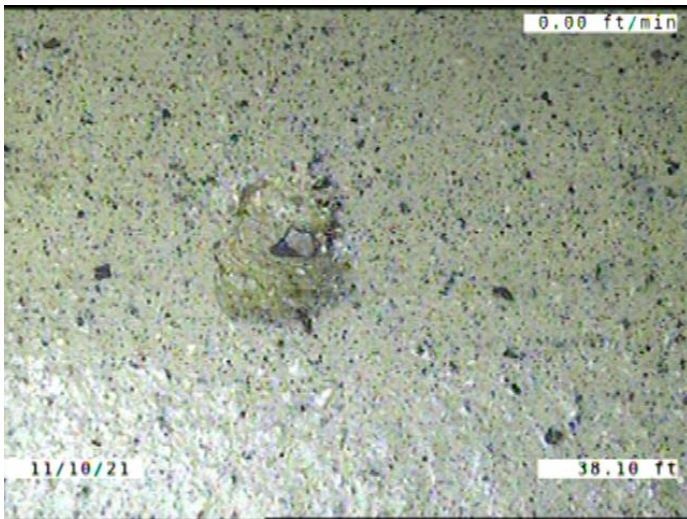
Distance (ft): **23.6**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index: **F02**  
 Within 8" of Joint: **NO**  
 Remarks:



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:

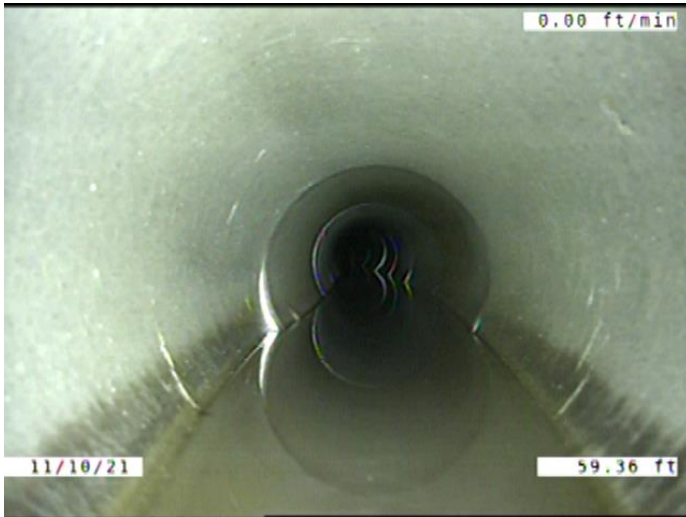
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Code: **SSS**  
Description: **Surface Damage Surface Spalling**

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:

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

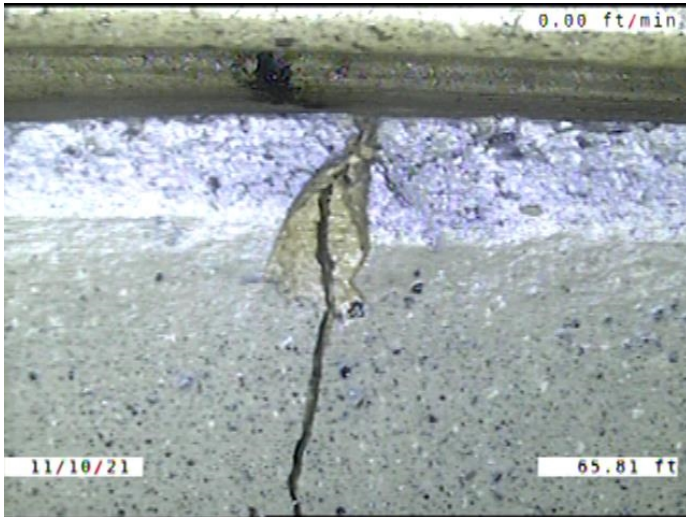
Distance (ft): **59.4**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **10.000**  
 Continuous Index: **S03**  
 Within 8" of Joint: **NO**  
 Remarks:



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

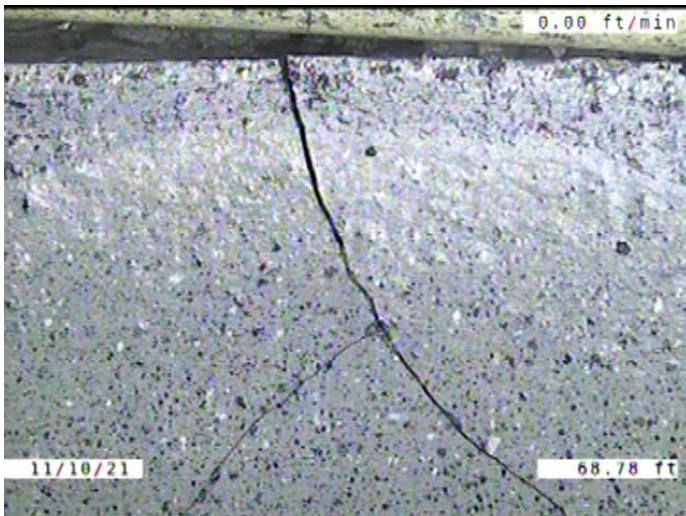
Distance (ft): **65.8**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From: **10**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:





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

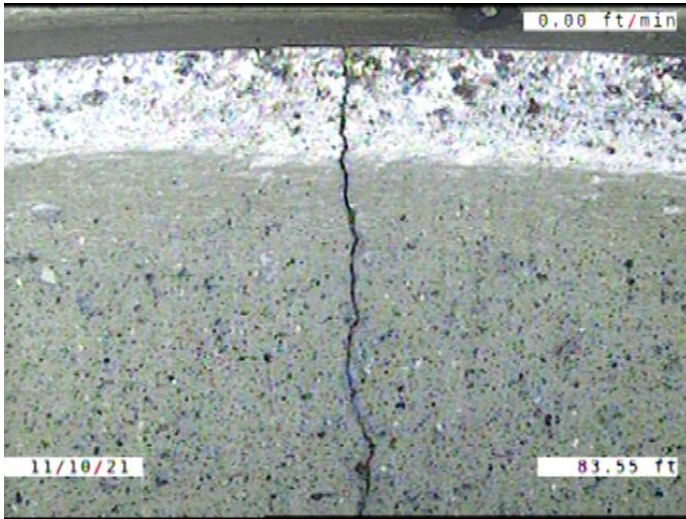
Distance (ft): **65.8**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **9**  
 Clock To: **10**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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:





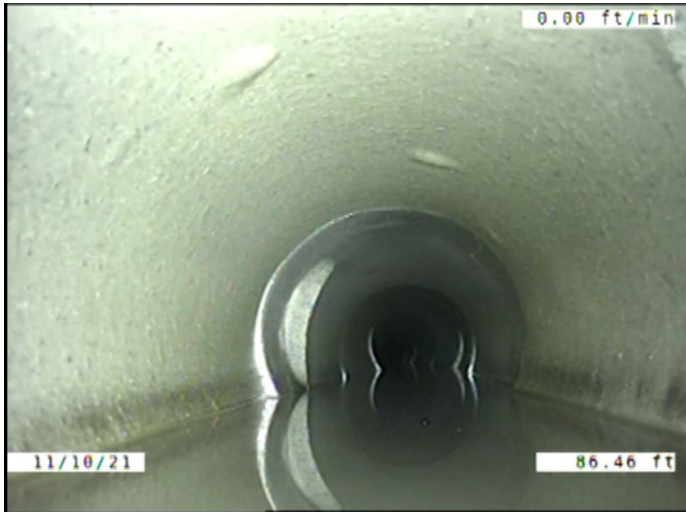
Code: **CL**  
 Description: **Crack Longitudinal**

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:



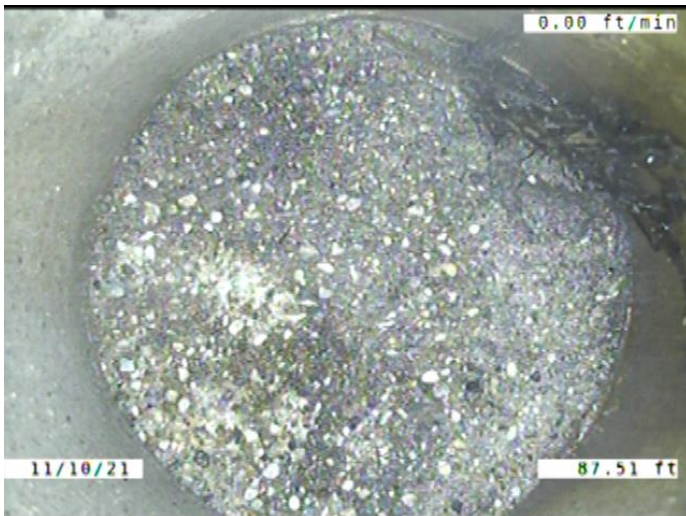
Code: **FS**  
 Description: **Fracture Spiral**

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:



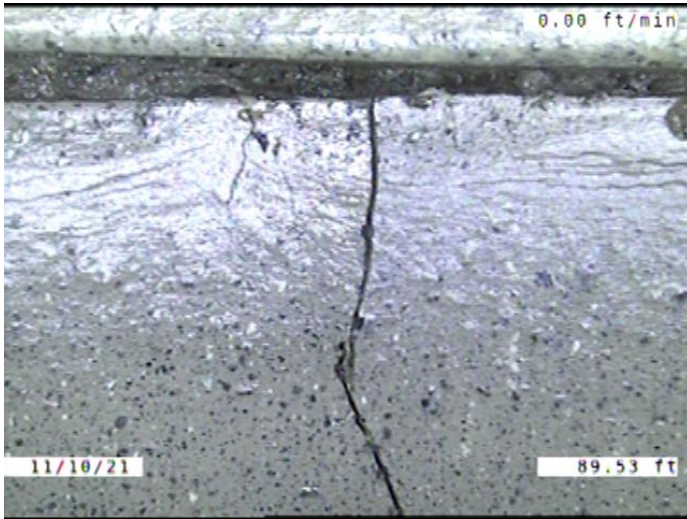
Code: **SZ**  
Description: **Surface Damage Other**

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**



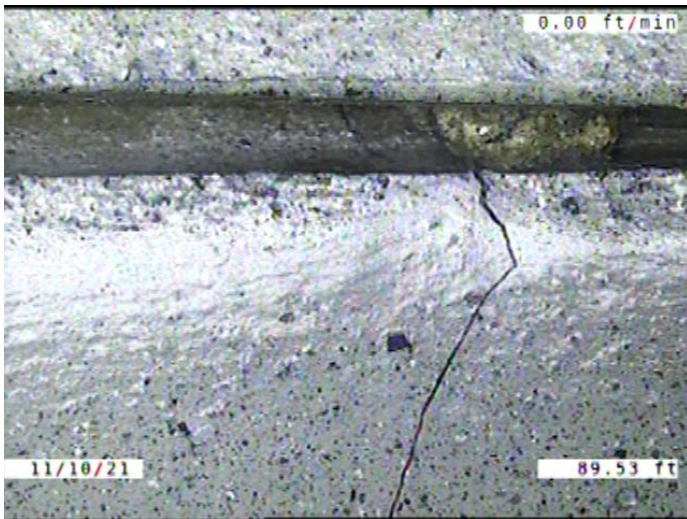
Code: **TFC**  
Description: **Tap Factory Capped**

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**

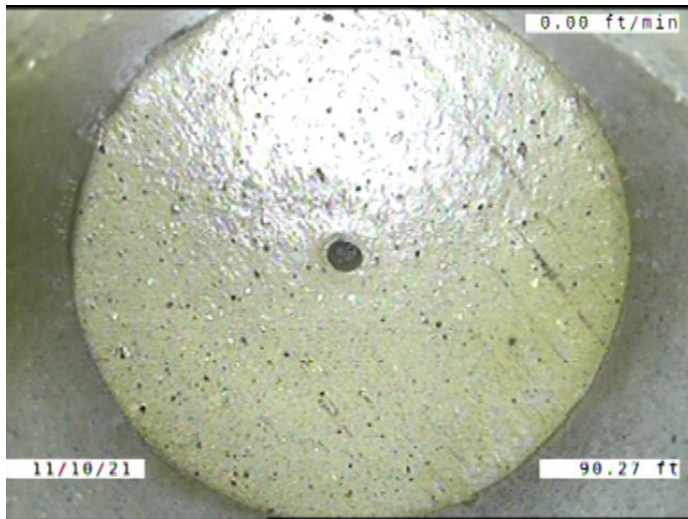
Distance (ft): **89.5**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **1**  
 Clock To: **2**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

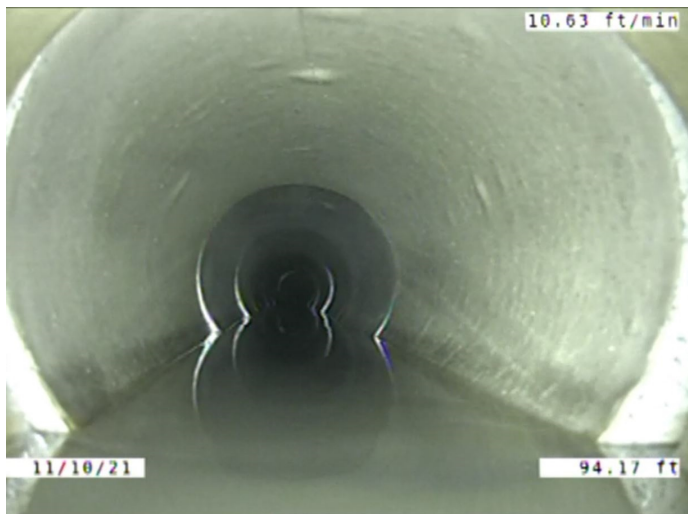
Distance (ft): **89.5**  
 Structural Grade: **3**  
 O&M Grade: **0**  
 Clock Start/From: **11**  
 Clock To: **12**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:





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

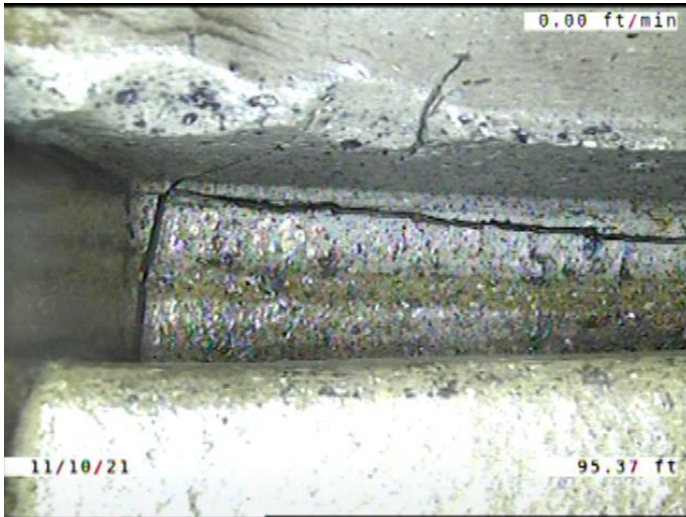
Distance (ft): **90.3**  
 Structural Grade: **0**  
 O&M Grade: **0**  
 Clock Start/From: **10**  
 Clock To:  
 1st Value: **4.000**  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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:



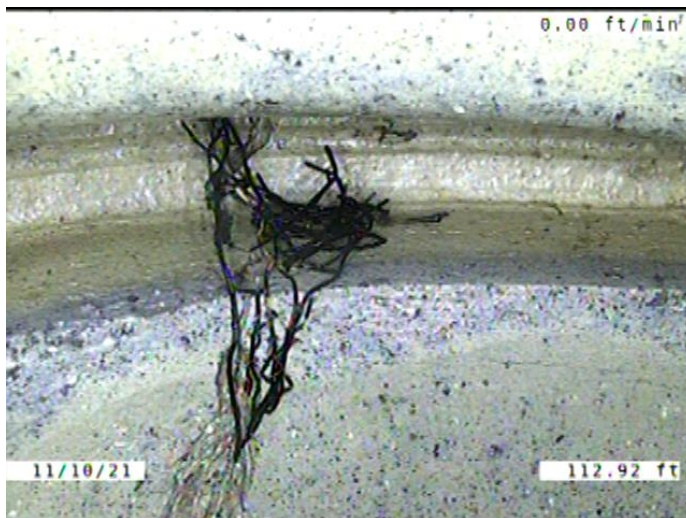
Code: **JAM**  
 Description: **Joint Angular Medium**

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:



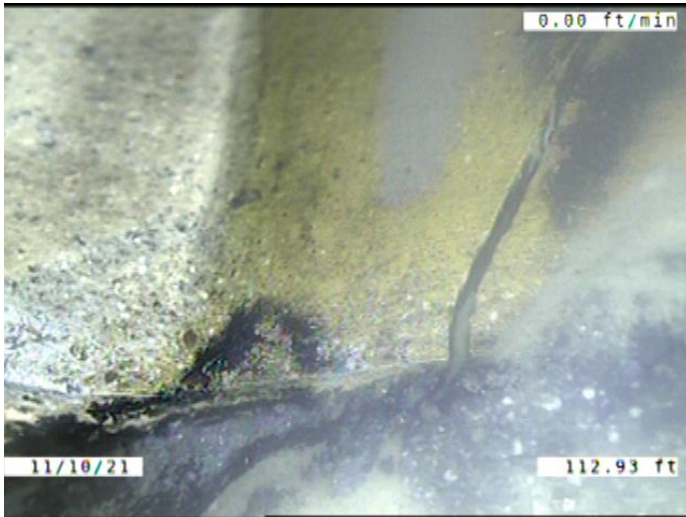
Code: **SZ**  
 Description: **Surface Damage Other**

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**

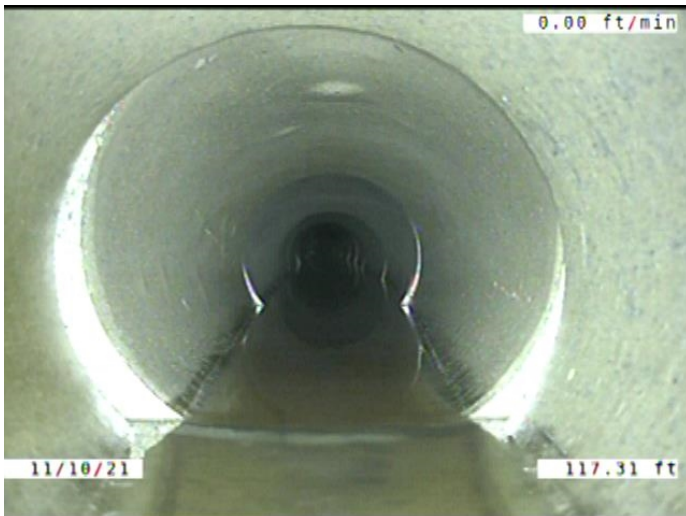
Distance (ft): **112.9**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From: **9**  
 Clock To: **11**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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:

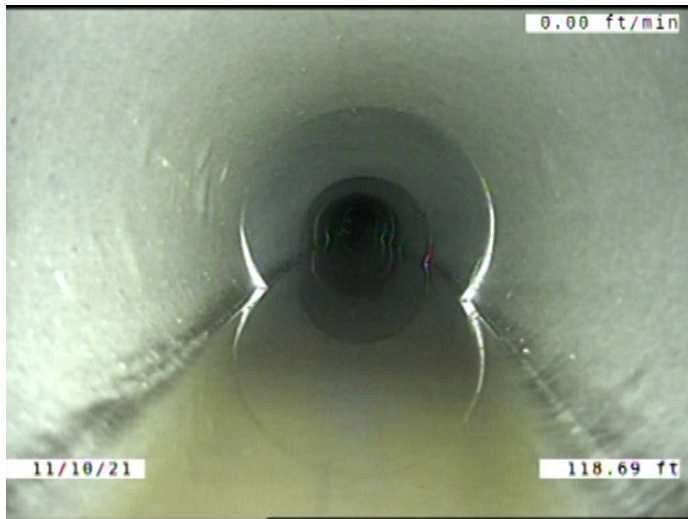
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Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

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:

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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:





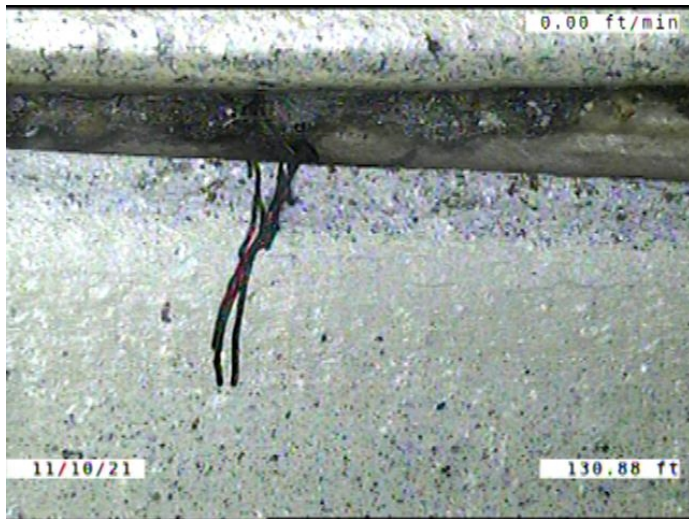
Code: **SZ**  
 Description: **Surface Damage Other**

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**



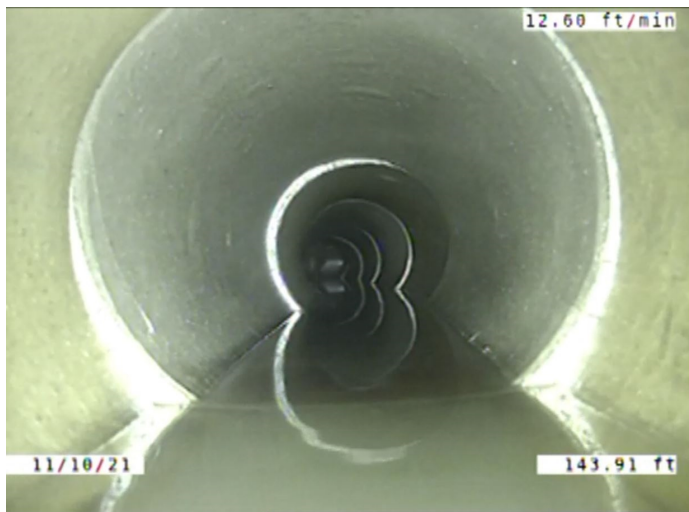
Code: **RFJ**  
 Description: **Roots Fine Joint**

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:



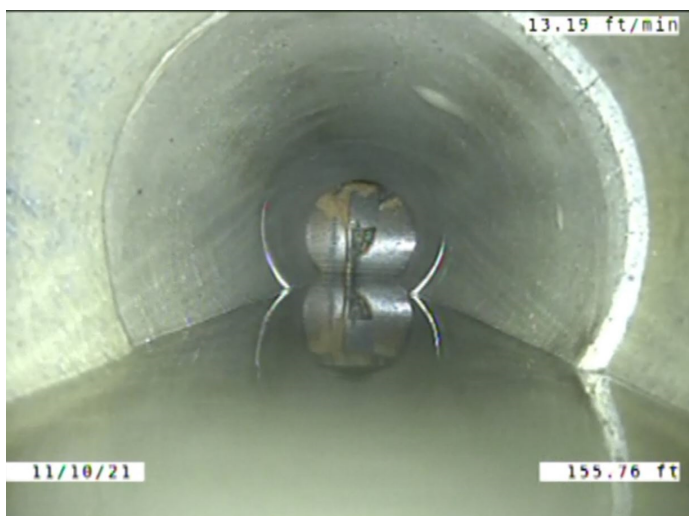
Code: **CM**  
 Description: **Crack Multiple**

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:



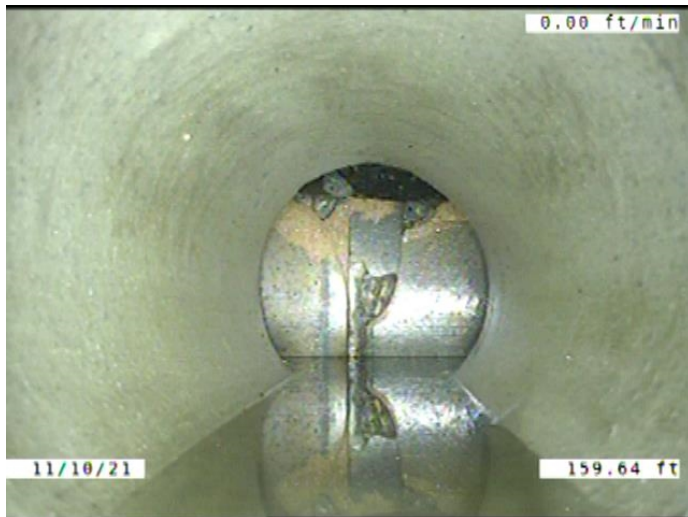
Code: **CM**  
 Description: **Crack Multiple**

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**

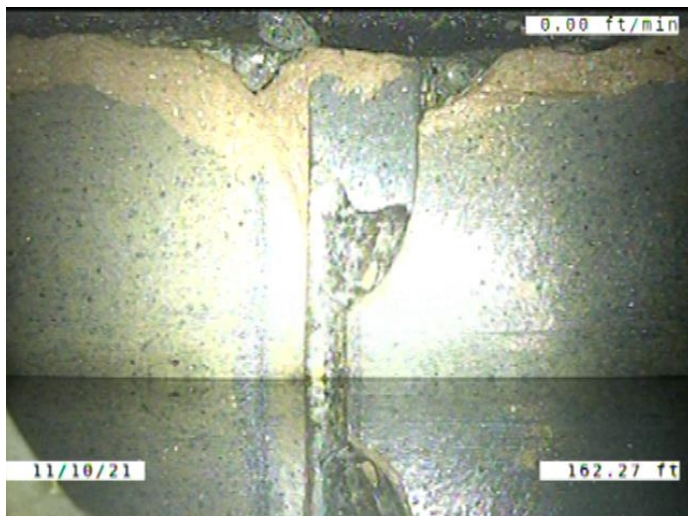
Distance (ft): **155.8**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From: **2**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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:

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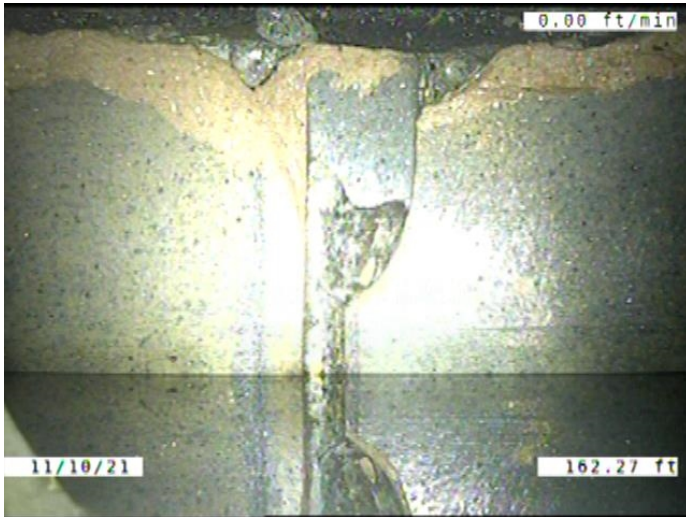


Code: **DSF**  
 Description: **Deposits Settled Fine**

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:

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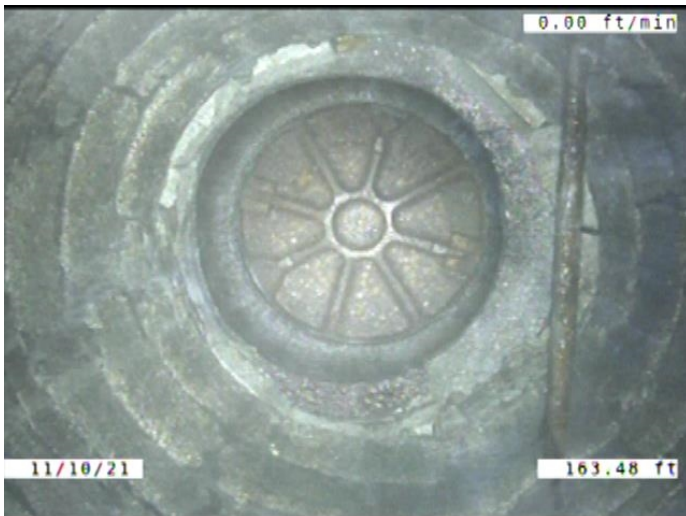




Code: **MWLS**  
 Description: **Miscellaneous Water Level Sag**

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:

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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**