

Profile/Photo Observation Report



Date:	10/20/2021	Weather:		Coding:	PACP 7.0
Pipe Length (ft):	161.5	Owner:	City of Hobart	Pre Clean:	Heavy Cleaning
P.O.#:	YES502259	Surveyor:	S. Bucklin	PSR:	P-503-019-017
Customer:	City of Hobart	Clean Date:	09/05/2021	Shape:	C

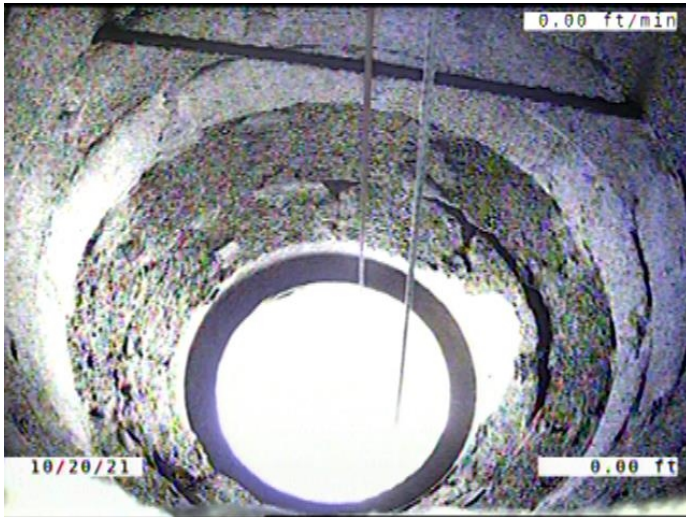
Street:	West 39th Avenue	Flow Control:	Not Controlled
City:	Hobart, IN	Year Renewed:	
Location:	Alley	Tape/Media #:	
Purpose:	Routine Assessment	Dia/Height:	10"
Use:	Sanitary Sewage Pipe	Material:	VCP
Drain Area:		Lining:	
Category:	NA		
Comment:			
Location Details:		Direction of Survey:	Upstream
US MH:	M-503-017	DS MH:	M-503-019
		Total Length Surveyed (ft):	161.5

O&M Index:	2.38	O&M Quick:	5131	O&M Rating:	19.00
Structural Index:	2.63	Structural Quick:	534A	Structural Rating:	163.00
Overall Index:	2.60	Overall Quick:	544A	Overall Rating:	182.00

	Position	Code	Observation	Video (sec)	Grade
	.0	AMH	Manhole	1	NA
	.0	MWL	Miscellaneous Water Level	55	NA
	.3	SSS(S01)	Surface Damage Surface Spalling	112	S 2
	3.5	CL	Crack Longitudinal	163	S 2
	3.5	BSV	Broken Soil Visible	223	S 5
	6.2	SSS(F01)	Surface Damage Surface Spalling	254	S 2
	12.4	CM	Crack Multiple	0	S 3
	14.0	FM	Fracture Multiple	83	S 4
	15.4	SSS(S02)	Surface Damage Surface Spalling	111	S 2
	28.3	FM	Fracture Multiple	224	S 4
	34.1	TFC	Tap Factory Capped	271	NA
	36.3	TF	Tap Factory	303	NA
	43.9	SSS	Surface Damage Surface Spalling	361	S 2
	44.7	CM	Crack Multiple	396	S 3
	44.8	JAM	Joint Angular Medium	409	S 3
	51.9	SSS	Surface Damage Surface Spalling	0	S 2
	55.2	SSS	Surface Damage Surface Spalling	2	S 2
	68.4	MWLS(S03)	Miscellaneous Water Level Sag	72	S 2
	70.5	TFC	Tap Factory Capped	97	NA

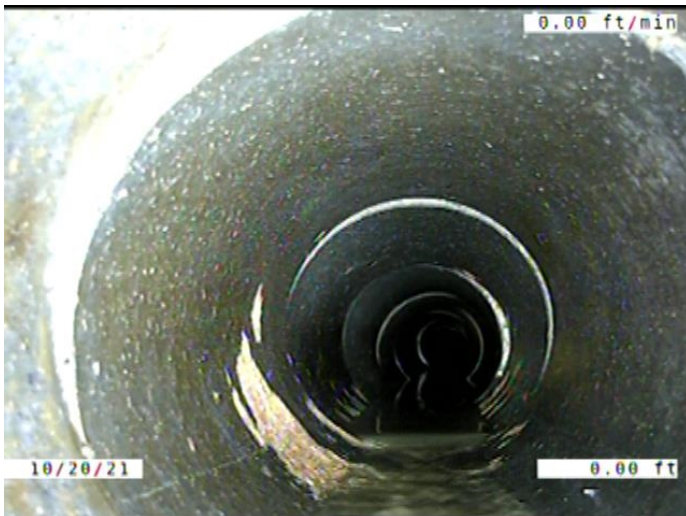
72.6	TFC	Tap Factory Capped	123	NA
73.2	JOM	Joint Offset Medium	148	S 3
78.9	B	Broken	240	S 4
81.5	ISJ	Infiltration Stain Joint	284	M 1
83.0	FM	Fracture Multiple	323	S 4
83.3	JOM	Joint Offset Medium	339	S 3
88.8	DAR	Deposits Attached Ragging	390	M 2
89.9	SSS	Surface Damage Surface Spalling	426	S 2
93.3	SSS	Surface Damage Surface Spalling	458	S 2
96.4	SSS	Surface Damage Surface Spalling	487	S 2
99.5	MMC	Miscellaneous Material Change	557	NA
101.3	TF	Tap Factory	586	NA
101.9	SSS(F02)	Surface Damage Surface Spalling	603	S 2
111.4	MWLS(F03)	Miscellaneous Water Level Sag	641	S 2
112.6	TF	Tap Factory	669	NA
114.1	MMC	Miscellaneous Material Change	731	NA
114.1	FM(S05)	Fracture Multiple	772	S 4
114.1	SSS(S04)	Surface Damage Surface Spalling	794	S 2
116.5	DAE	Deposits Attached Encrustation	870	M 2
128.2	JOM	Joint Offset Medium	935	S 3
128.2	DAE(S06)	Deposits Attached Encrustation	951	M 2
133.7	DAE(F06)	Deposits Attached Encrustation	985	M 2
141.9	TFC	Tap Factory Capped	1038	NA
144.0	TFD	Tap Factory Defective	1065	M 3
146.6	MMC	Miscellaneous Material Change	1120	NA
147.2	SSS(F04)	Surface Damage Surface Spalling	1150	S 2
147.2	FM(F05)	Fracture Multiple	1158	S 4
149.8	TF	Tap Factory	1183	NA
152.9	MMC	Miscellaneous Material Change	1239	NA
153.6	FM	Fracture Multiple	1315	S 4
153.7	DSF	Deposits Settled Fine	1331	M 2
154.6	HVV	Hole Void Visible	1347	S 5
159.3	OBM	Obstruction Pipe Material in Invert	1417	M 2
161.0	SMW	Surface Damage Missing Wall	1499	S 5
161.5	DSF	Deposits Settled Fine	1514	M 5
161.5	MSA	Miscellaneous Survey Abandoned	1527	NA

M-503-017



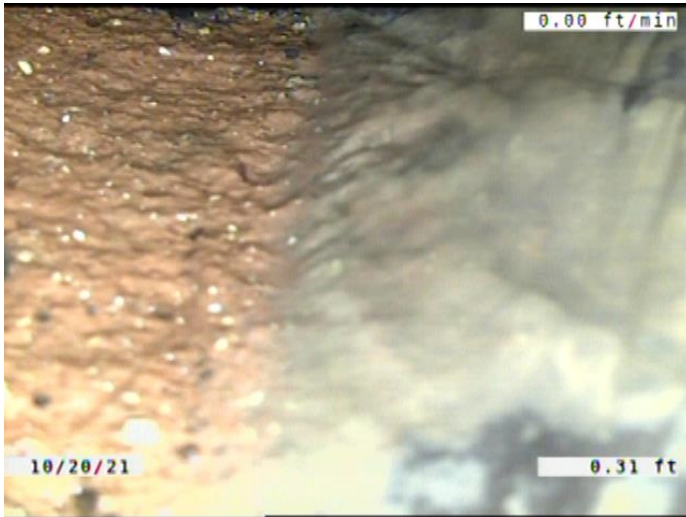
Code: **AMH**
Description: **Manhole**

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-503-019**



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:



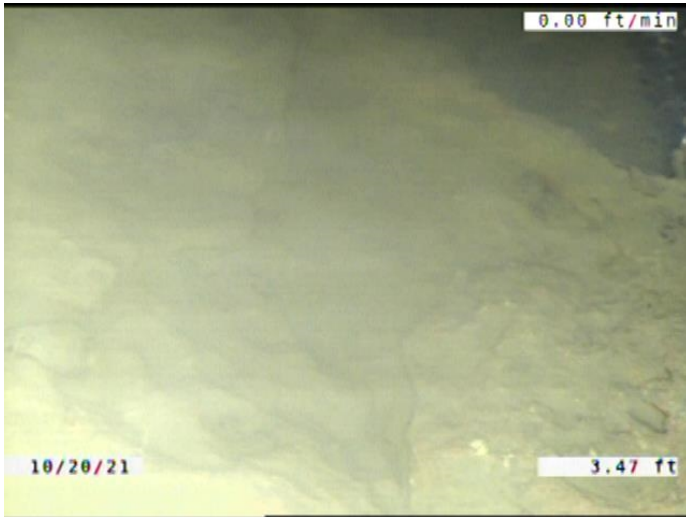
Code: **SSS**
 Description: **Surface Damage Surface Spalling**

Distance (ft): **.3**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From: **12**
 Clock To: **12**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index: **S01**
 Within 8" of Joint: **YES**
 Remarks:



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

Distance (ft): **3.5**
 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:



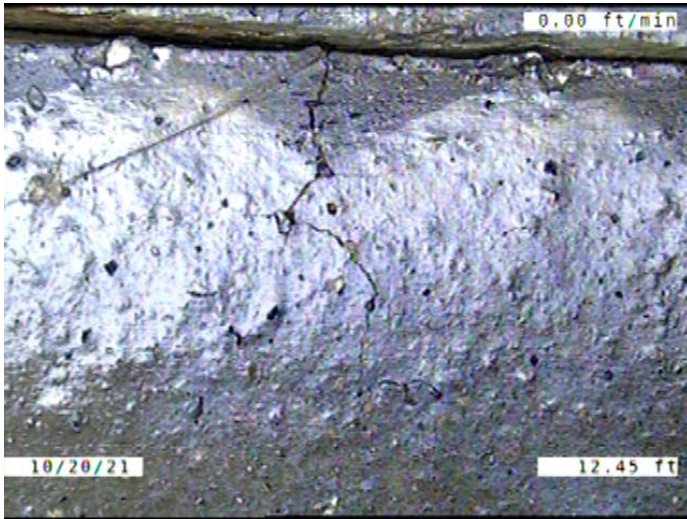
Code: **BSV**
Description: **Broken Soil Visible**

Distance (ft): **3.5**
Structural Grade: **5**
O&M Grade: **0**
Clock Start/From: **12**
Clock To: **5**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



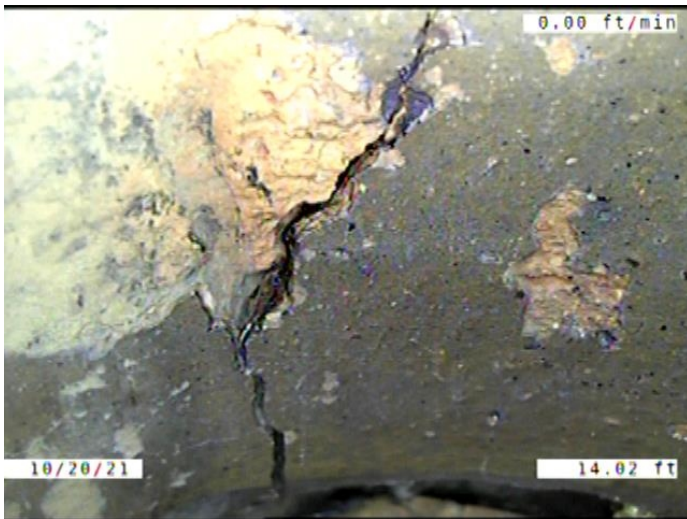
Code: **SSS**
Description: **Surface Damage Surface Spalling**

Distance (ft): **6.2**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From: **12**
Clock To: **12**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **F01**
Within 8" of Joint: **YES**
Remarks:



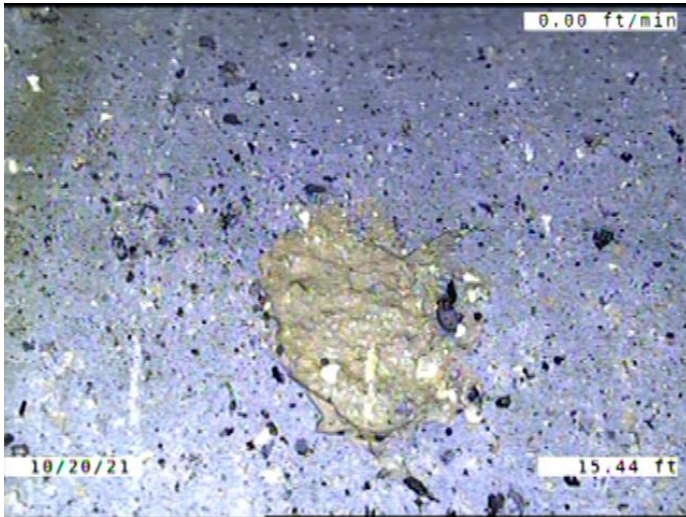
Code: **CM**
 Description: **Crack Multiple**

Distance (ft): **12.4**
 Structural Grade: **3**
 O&M Grade: **0**
 Clock Start/From: **1**
 Clock To: **3**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



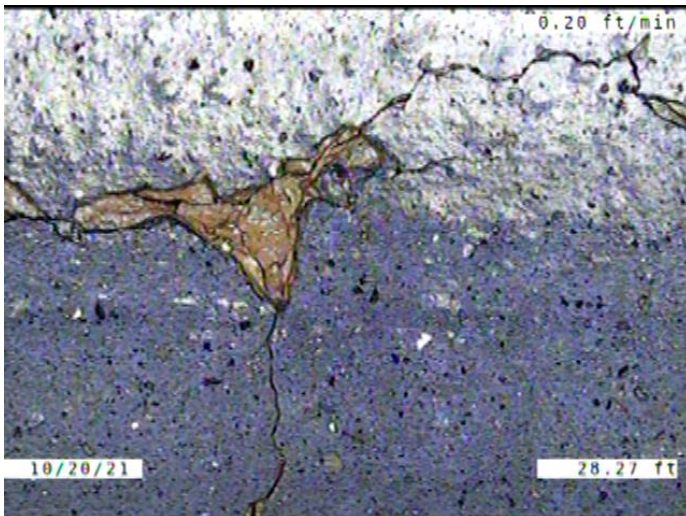
Code: **FM**
 Description: **Fracture Multiple**

Distance (ft): **14.0**
 Structural Grade: **4**
 O&M Grade: **0**
 Clock Start/From: **7**
 Clock To: **3**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



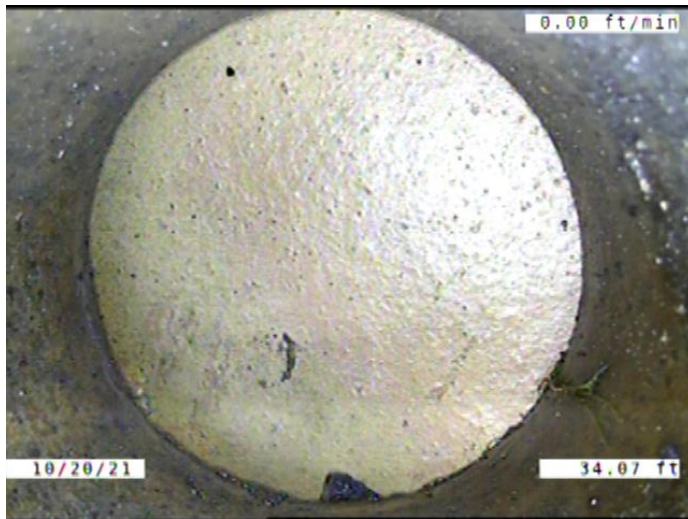
Code: **SSS**
Description: **Surface Damage Surface Spalling**

Distance (ft): **15.4**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From: **3**
Clock To: **9**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **S02**
Within 8" of Joint: **YES**
Remarks:



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

Distance (ft): **28.3**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **11**
Clock To: **3**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



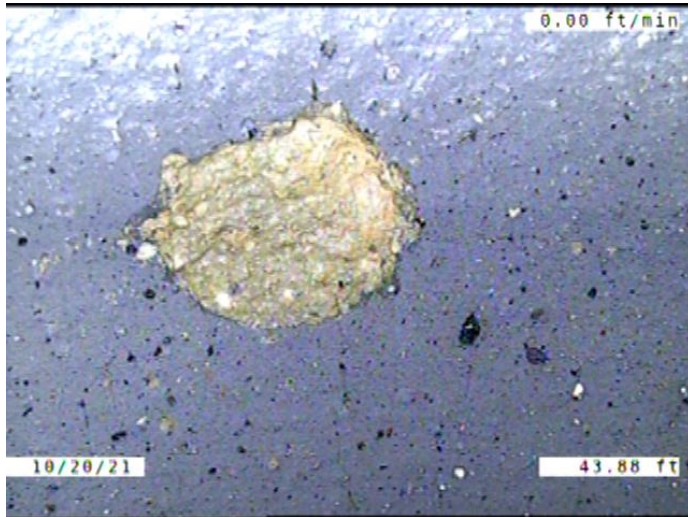
Code: **TFC**
Description: **Tap Factory Capped**

Distance (ft): **34.1**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **1**
Clock To:
1st Value: **4.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks: **ROOTS GROWING AROUND THE CAP**

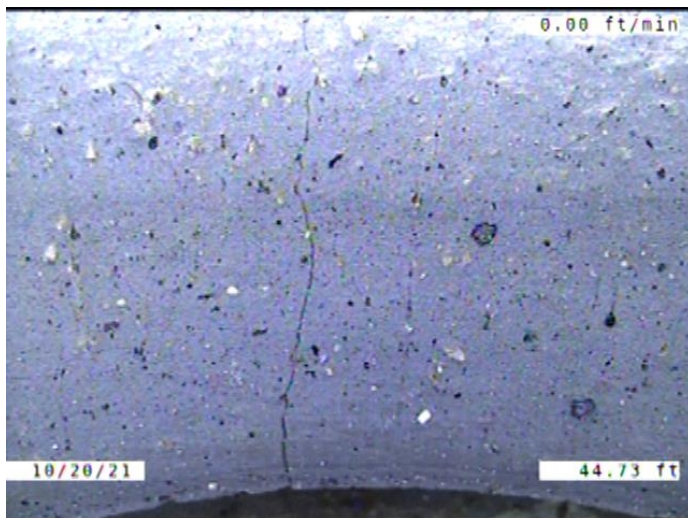


Code: **TF**
Description: **Tap Factory**

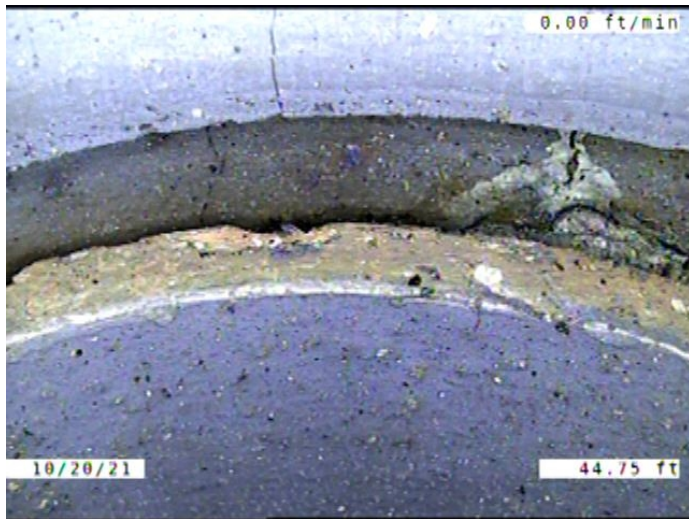
Distance (ft): **36.3**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **11**
Clock To:
1st Value: **4.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks: **CONSTANTLY RUNNING WATER**



Code:	SSS
Description:	Surface Damage Surface Spalling
Distance (ft):	43.9
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:	

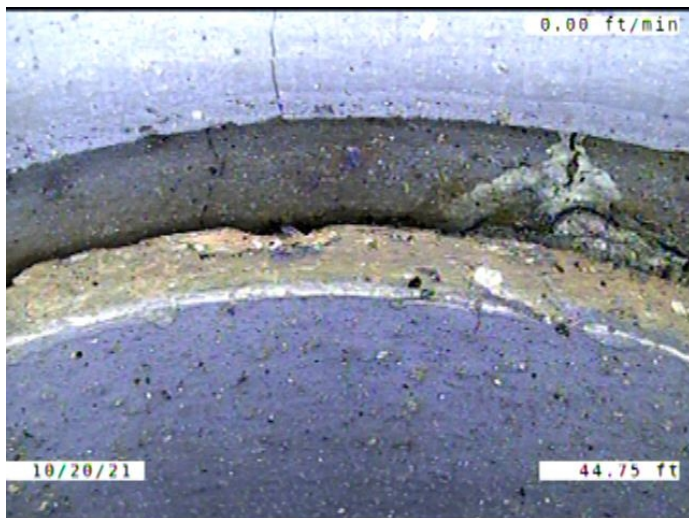


Code:	CM
Description:	Crack Multiple
Distance (ft):	44.7
Structural Grade:	3
O&M Grade:	0
Clock Start/From:	11
Clock To:	12
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



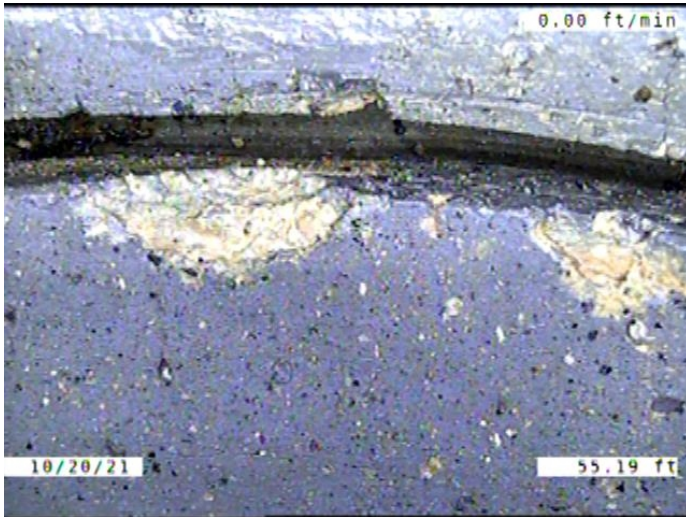
Code: **JAM**
Description: **Joint Angular Medium**

Distance (ft): **44.8**
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:



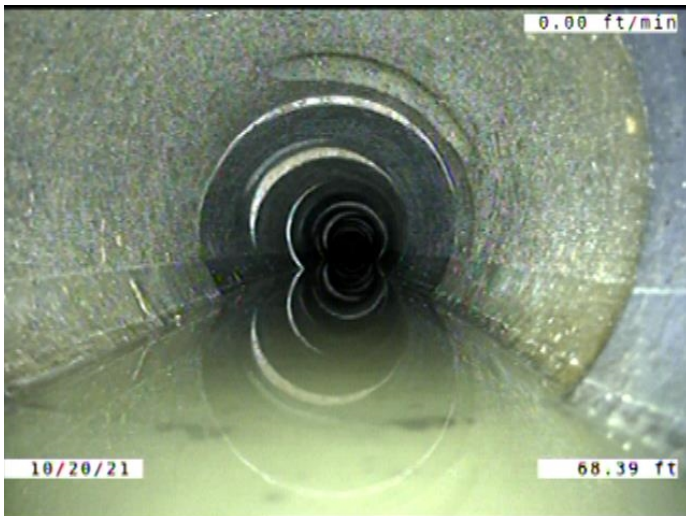
Code: **SSS**
Description: **Surface Damage Surface Spalling**

Distance (ft): **51.9**
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:



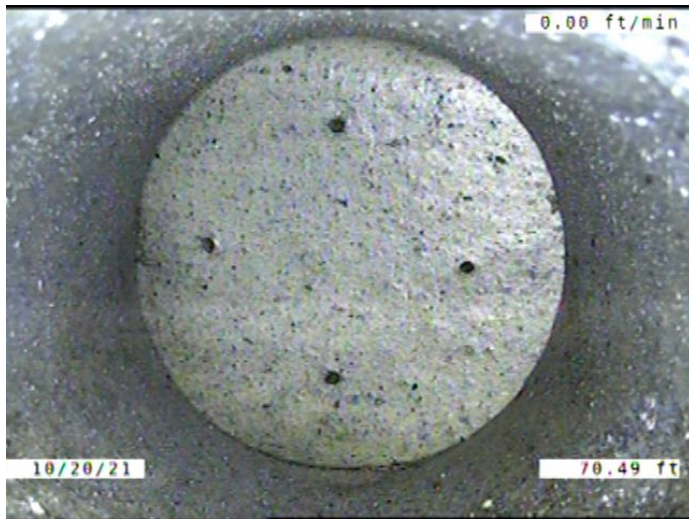
Code: **SSS**
 Description: **Surface Damage Surface Spalling**

Distance (ft): **55.2**
 Structural Grade: **2**
 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:



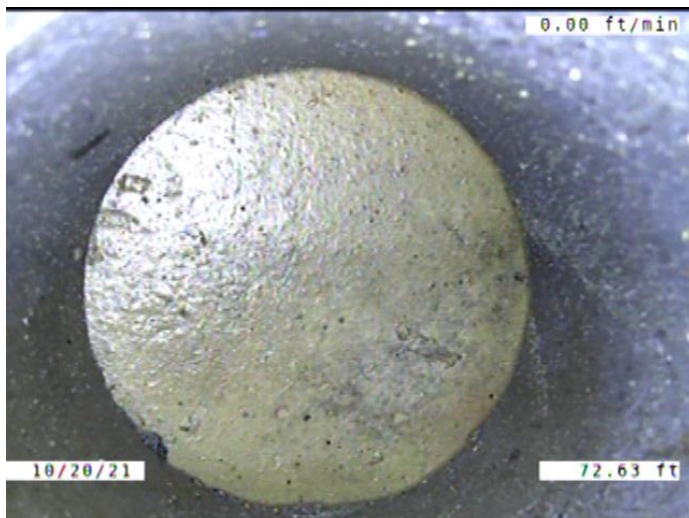
Code: **MWLS**
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **68.4**
 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:



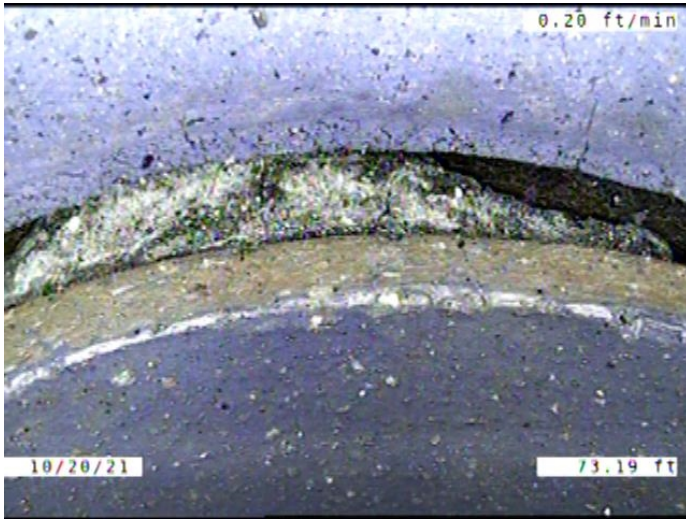
Code: **TFC**
Description: **Tap Factory Capped**

Distance (ft): **70.5**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **1**
Clock To:
1st Value: **4.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



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

Distance (ft): **72.6**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **11**
Clock To:
1st Value: **4.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



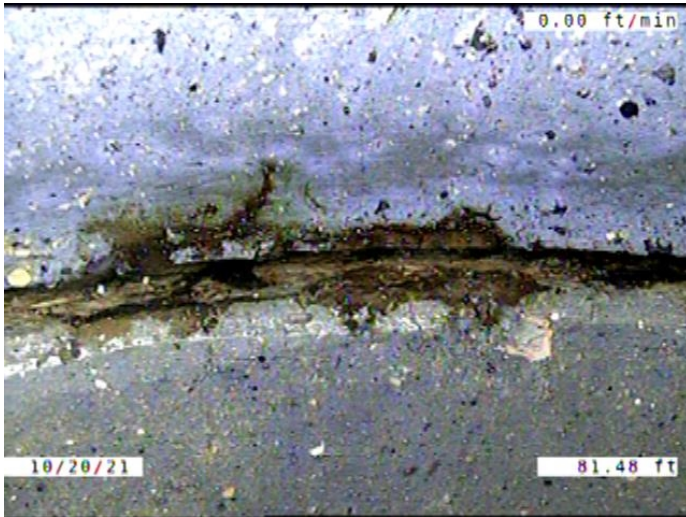
Code: **JOM**
 Description: **Joint Offset Medium**

Distance (ft): **73.2**
 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:



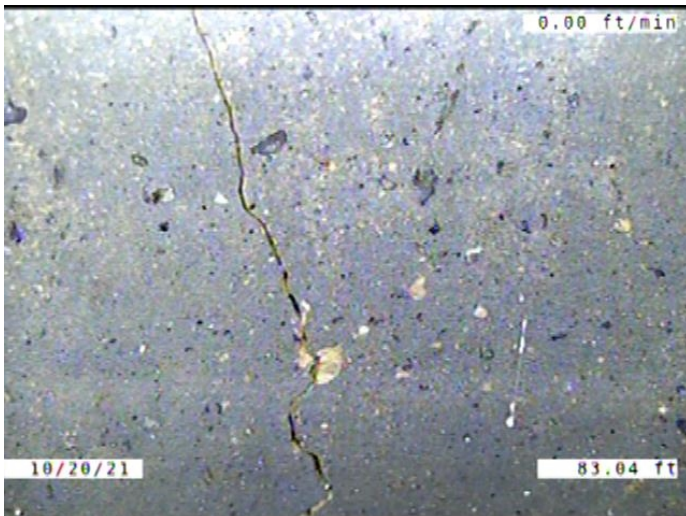
Code: **B**
 Description: **Broken**

Distance (ft): **78.9**
 Structural Grade: **4**
 O&M Grade: **0**
 Clock Start/From: **1**
 Clock To: **10**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



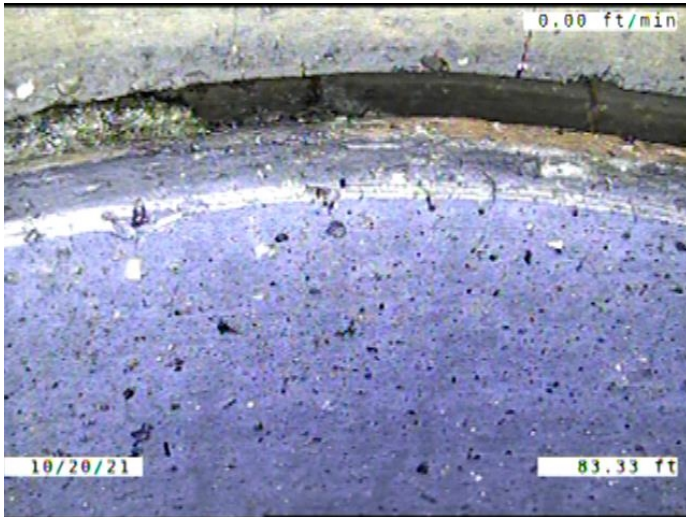
Code: **ISJ**
 Description: **Infiltration Stain Joint**

Distance (ft): **81.5**
 Structural Grade: **0**
 O&M Grade: **1**
 Clock Start/From: **8**
 Clock To: **11**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



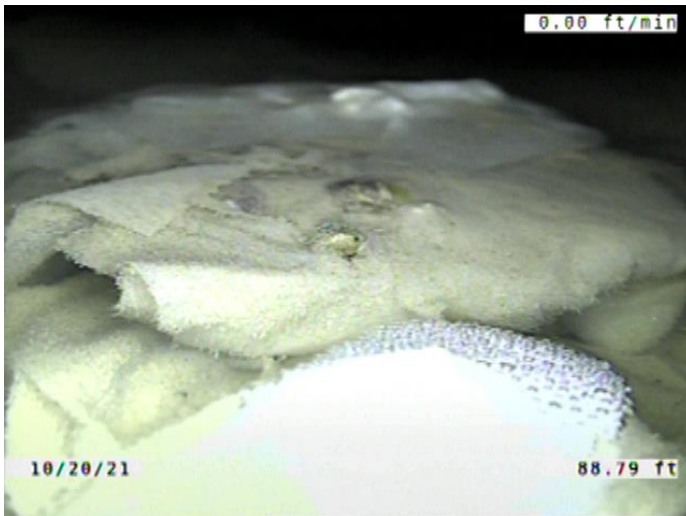
Code: **FM**
 Description: **Fracture Multiple**

Distance (ft): **83.0**
 Structural Grade: **4**
 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:



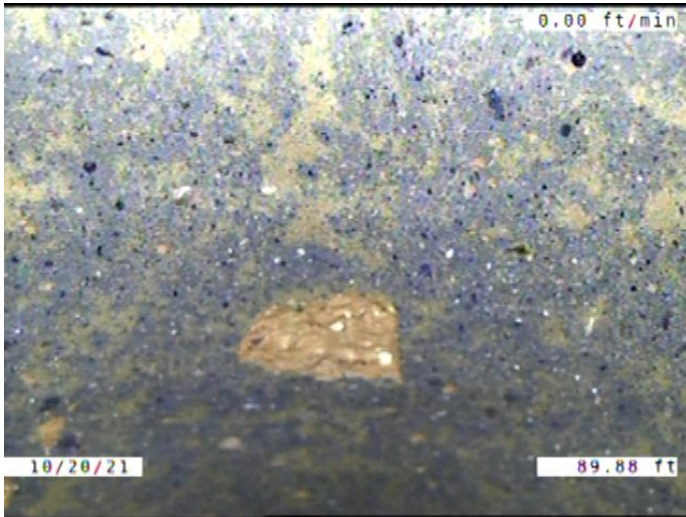
Code: **JOM**
 Description: **Joint Offset Medium**

Distance (ft): **83.3**
 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:



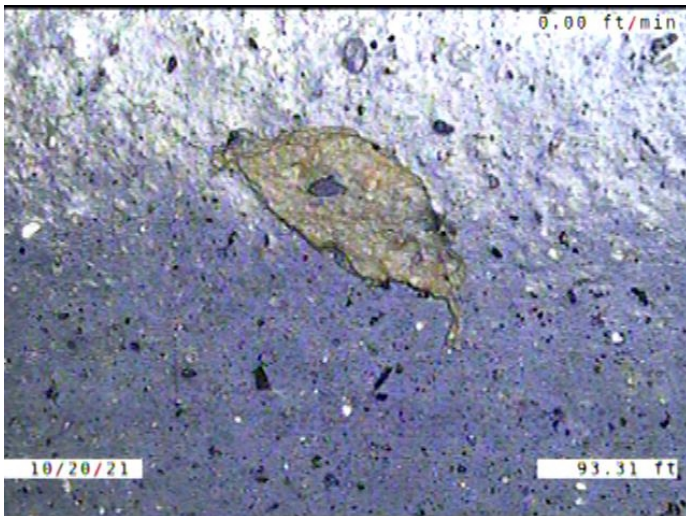
Code: **DAR**
 Description: **Deposits Attached Ragging**

Distance (ft): **88.8**
 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:



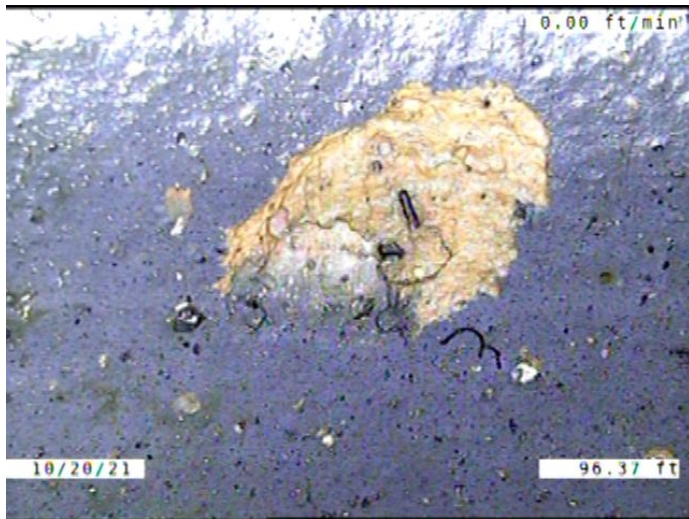
Code: **SSS**
Description: **Surface Damage Surface Spalling**

Distance (ft): **89.9**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From: **10**
Clock To: **1**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



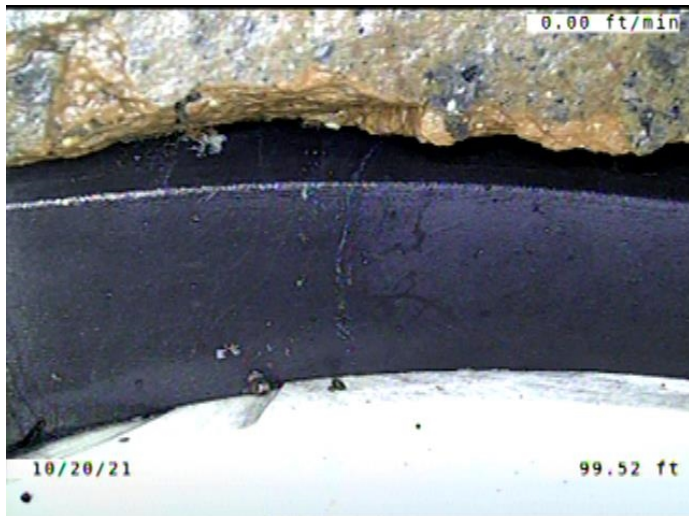
Code: **SSS**
Description: **Surface Damage Surface Spalling**

Distance (ft): **93.3**
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: **NO**
Remarks:



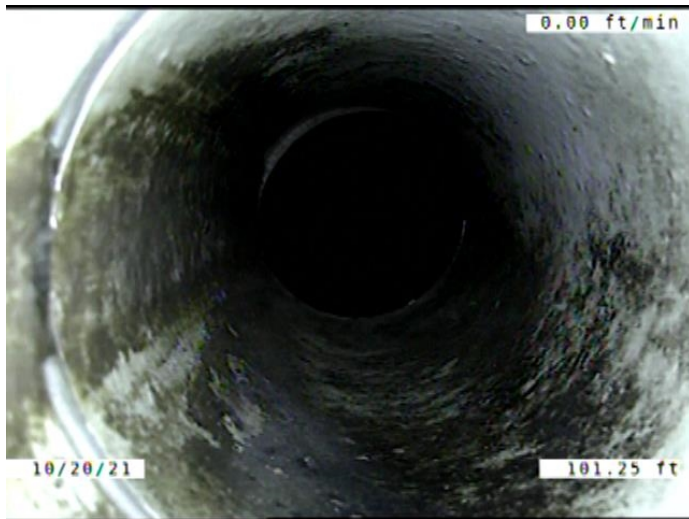
Code: **SSS**
 Description: **Surface Damage Surface Spalling**

Distance (ft): **96.4**
 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: **NO**
 Remarks:



Code: **MMC**
 Description: **Miscellaneous Material Change**

Distance (ft): **99.5**
 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: **VCP TO PVC**



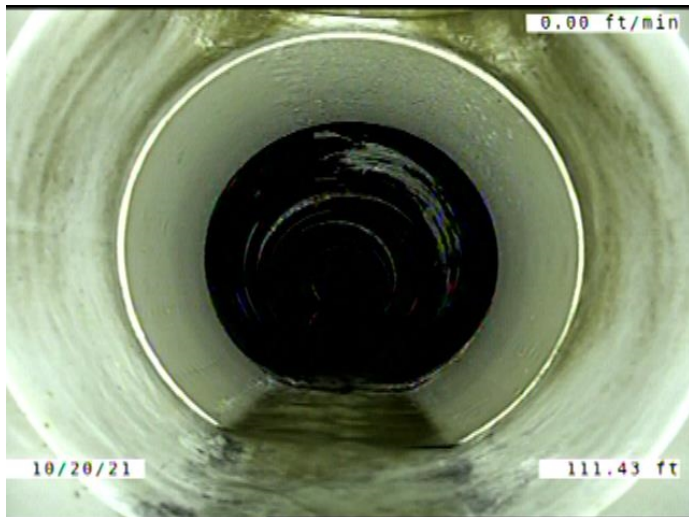
Code: **TF**
Description: **Tap Factory**

Distance (ft): **101.3**
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:



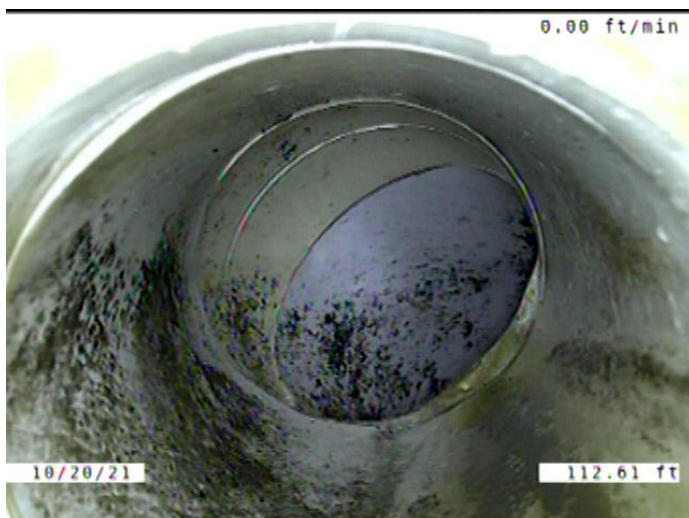
Code: **SSS**
Description: **Surface Damage Surface Spalling**

Distance (ft): **101.9**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From: **3**
Clock To: **9**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **F02**
Within 8" of Joint: **YES**
Remarks:



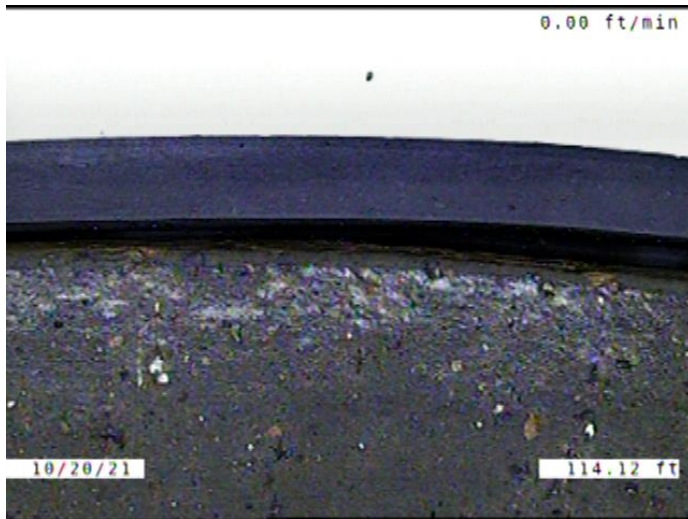
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **111.4**
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:



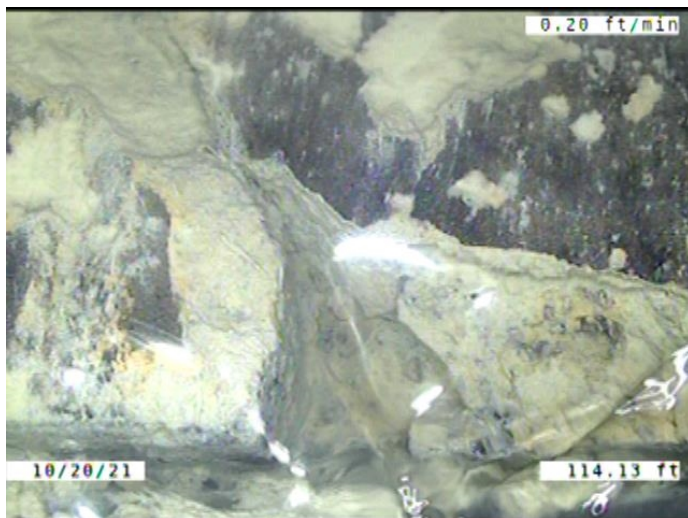
Code: **TF**
Description: **Tap Factory**

Distance (ft): **112.6**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **12**
Clock To:
1st Value: **4.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks: **CONSTANTLY DRIPPING WATER**



Code: **MMC**
Description: **Miscellaneous Material Change**

Distance (ft): **114.1**
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: **PVC TO VCP**



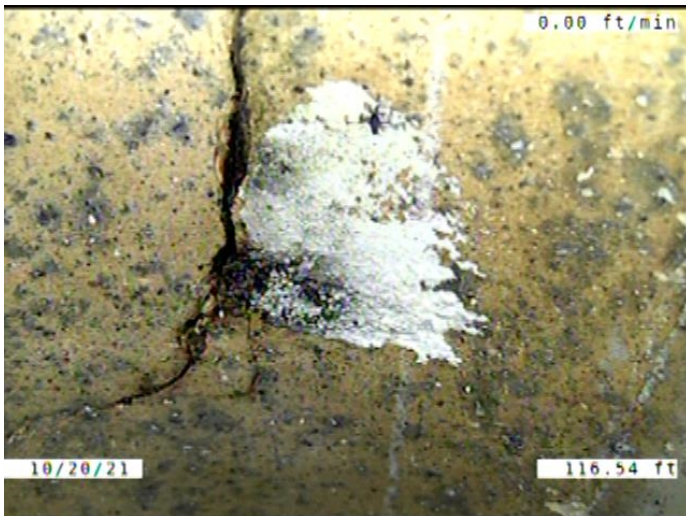
Code: **FM**
Description: **Fracture Multiple**

Distance (ft): **114.1**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **12**
Clock To: **12**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **S05**
Within 8" of Joint: **YES**
Remarks:



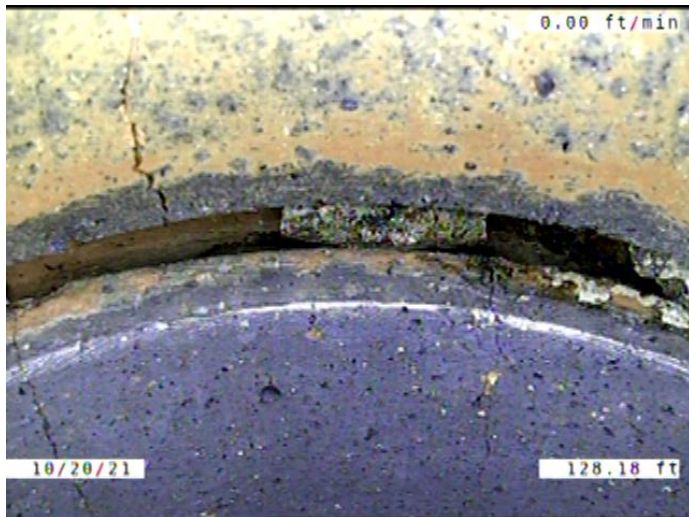
Code: **SSS**
 Description: **Surface Damage Surface Spalling**

Distance (ft): **114.1**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From: **12**
 Clock To: **12**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index: **S04**
 Within 8" of Joint: **YES**
 Remarks:



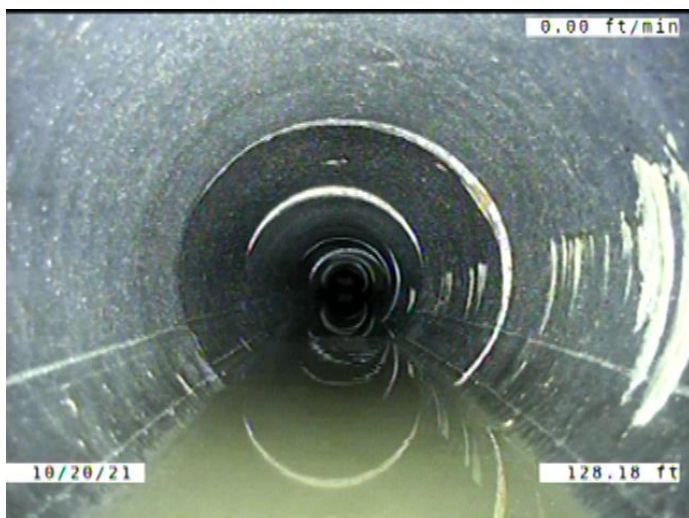
Code: **DAE**
 Description: **Deposits Attached Encrustation**

Distance (ft): **116.5**
 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:



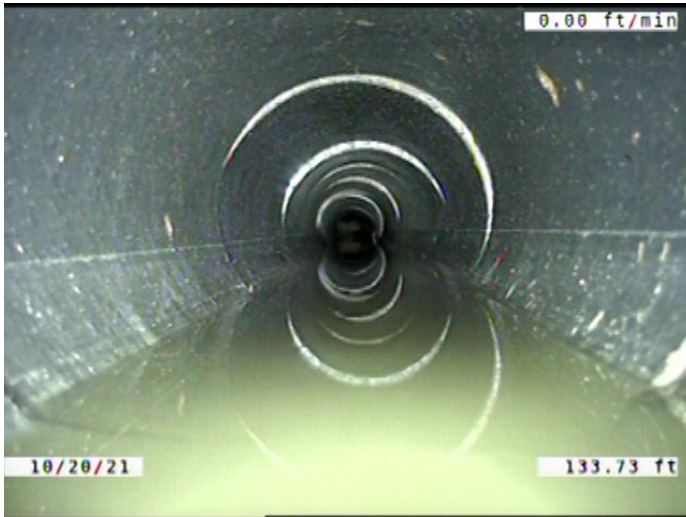
Code: **JOM**
 Description: **Joint Offset Medium**

Distance (ft): **128.2**
 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:



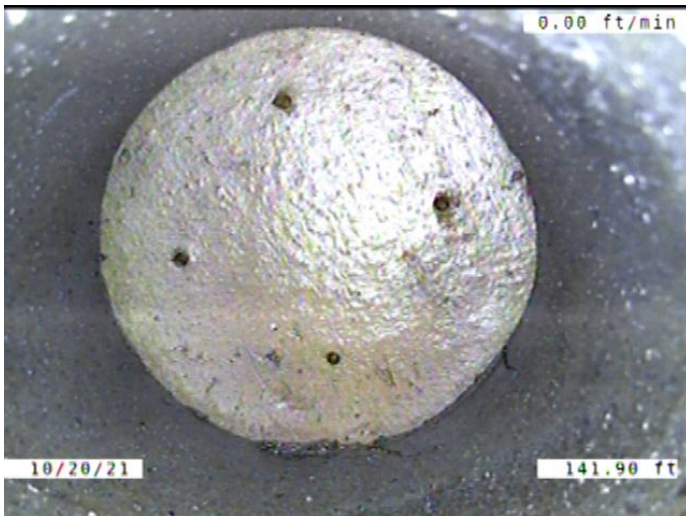
Code: **DAE**
 Description: **Deposits Attached Encrustation**

Distance (ft): **128.2**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **3**
 Clock To: **5**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index: **S06**
 Within 8" of Joint: **YES**
 Remarks:



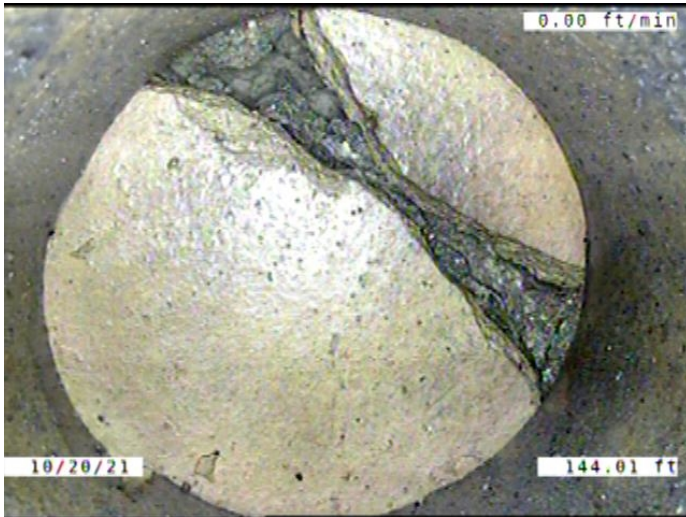
Code: **DAE**
 Description: **Deposits Attached Encrustation**

Distance (ft): **133.7**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **3**
 Clock To: **5**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index: **F06**
 Within 8" of Joint: **YES**
 Remarks:



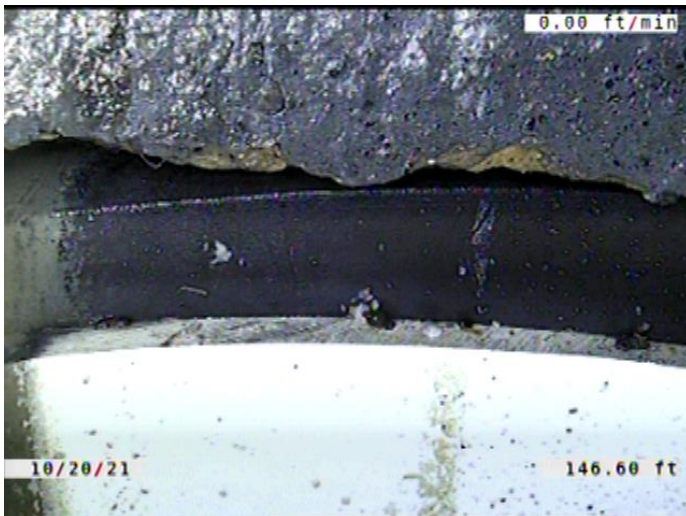
Code: **TFC**
 Description: **Tap Factory Capped**

Distance (ft): **141.9**
 Structural Grade: **0**
 O&M Grade: **0**
 Clock Start/From: **1**
 Clock To:
 1st Value: **4.000**
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



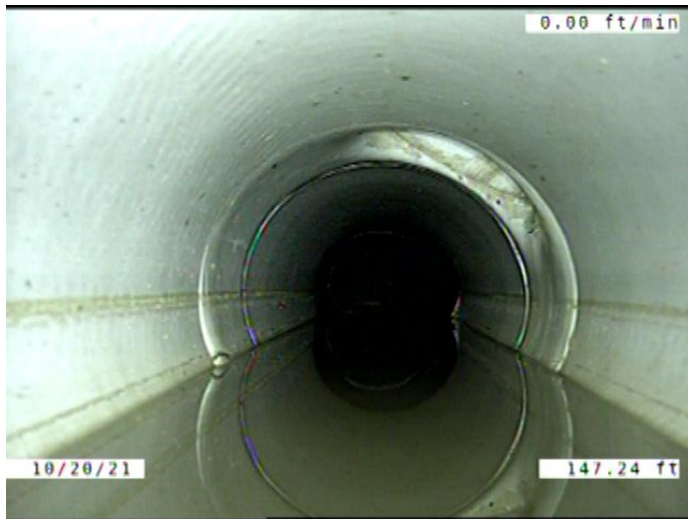
Code: **TFD**
 Description: **Tap Factory Defective**

Distance (ft): **144.0**
 Structural Grade: **0**
 O&M Grade: **3**
 Clock Start/From: **11**
 Clock To:
 1st Value: **4.000**
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks: **CAP BROKEN. SOIL VISIBLE**



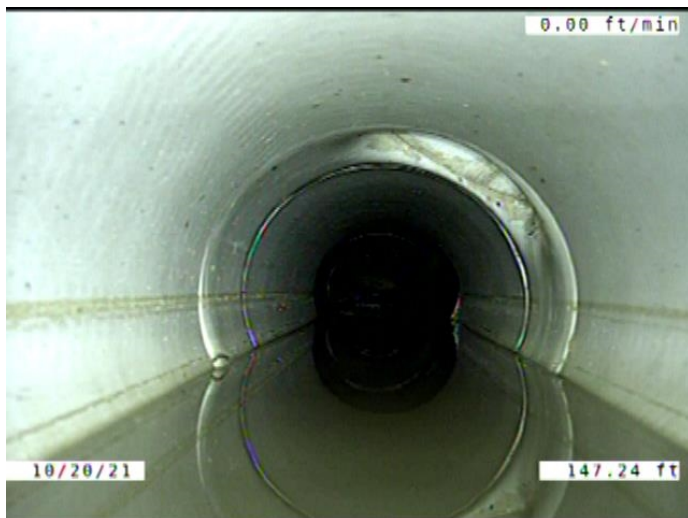
Code: **MMC**
 Description: **Miscellaneous Material Change**

Distance (ft): **146.6**
 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**



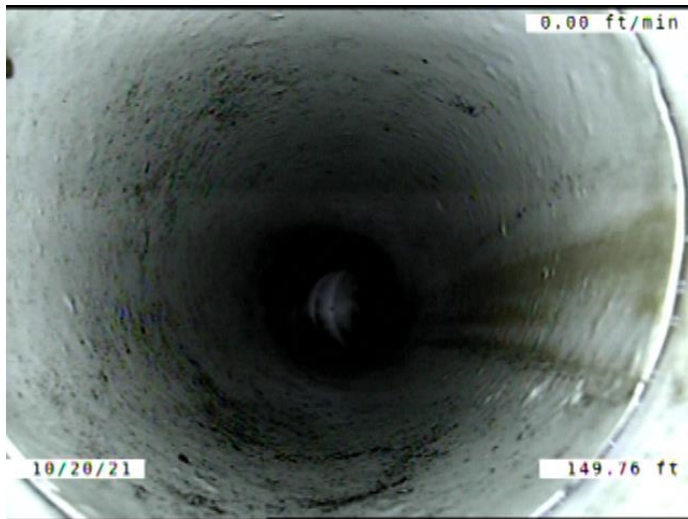
Code: **SSS**
Description: **Surface Damage Surface Spalling**

Distance (ft): **147.2**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From: **12**
Clock To: **12**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **F04**
Within 8" of Joint: **YES**
Remarks:



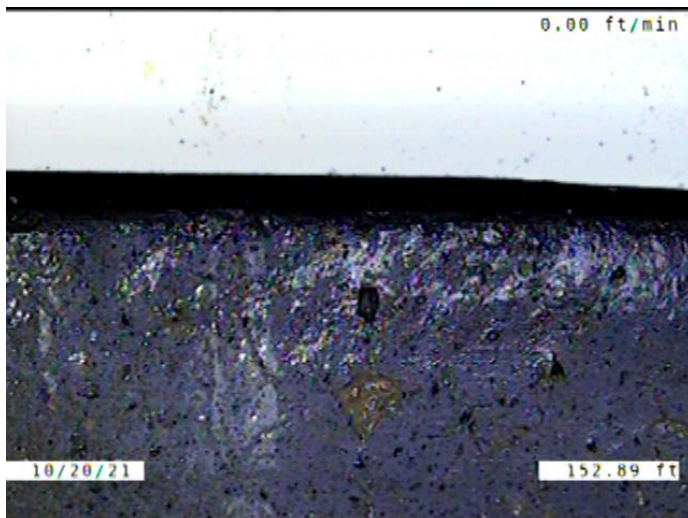
Code: **FM**
Description: **Fracture Multiple**

Distance (ft): **147.2**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **12**
Clock To: **12**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **F05**
Within 8" of Joint: **YES**
Remarks:



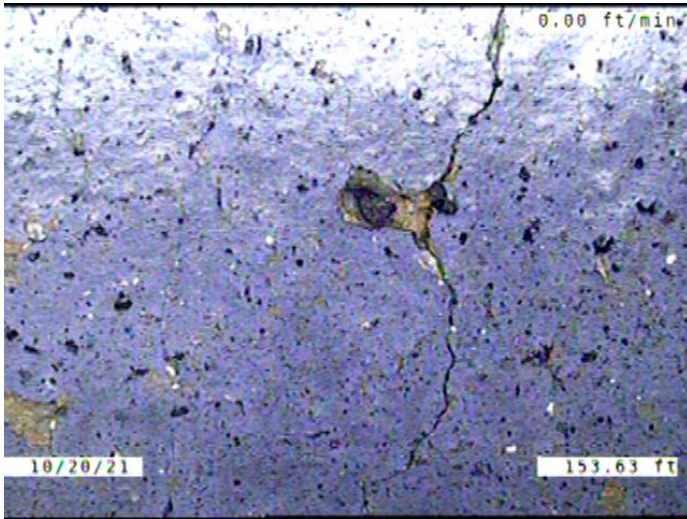
Code: **TF**
Description: **Tap Factory**

Distance (ft): **149.8**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **1**
Clock To:
1st Value: **4.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



Code: **MMC**
Description: **Miscellaneous Material Change**

Distance (ft): **152.9**
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: **PVC TO VCP**



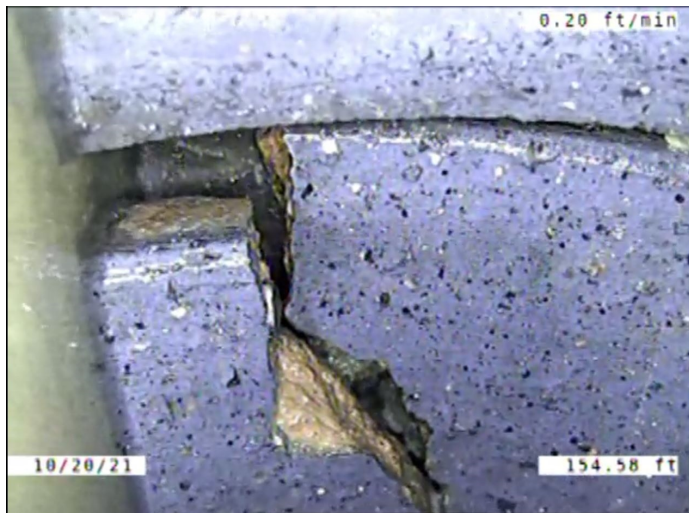
Code: **FM**
 Description: **Fracture Multiple**

Distance (ft): **153.6**
 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: **DSF**
 Description: **Deposits Settled Fine**

Distance (ft): **153.7**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **5**
 Clock To: **7**
 1st Value:
 2nd Value:
 Value Percent: **10.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



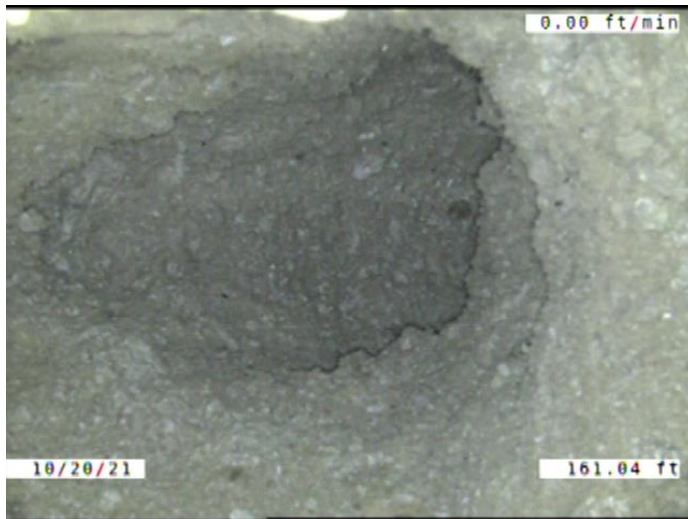
Code: **HVV**
 Description: **Hole Void Visible**

Distance (ft): **154.6**
 Structural Grade: **5**
 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:

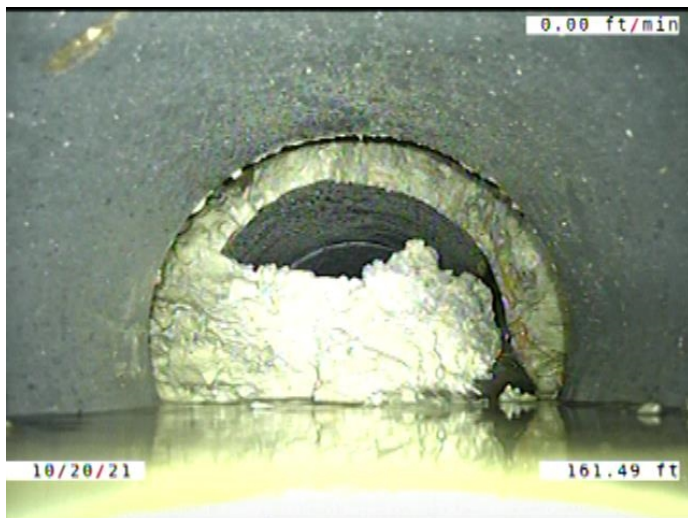


Code: **OBM**
 Description: **Obstruction Pipe Material in Invert**

Distance (ft): **159.3**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **4**
 Clock To: **6**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



Code:	SMW
Description:	Surface Damage Missing Wall
Distance (ft):	161.0
Structural Grade:	5
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:	SOIL AND VOID VISIBLE



Code:	DSF
Description:	Deposits Settled Fine
Distance (ft):	161.5
Structural Grade:	0
O&M Grade:	5
Clock Start/From:	2
Clock To:	10
1st Value:	
2nd Value:	
Value Percent:	75.000
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



Code:

MSA

Description:

Miscellaneous Survey Abandoned

Distance (ft):

161.5

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:

**PIPE MISSING SOIL FALLING INTO
THE PIPE. CAMERA CANT GET PAST S**