

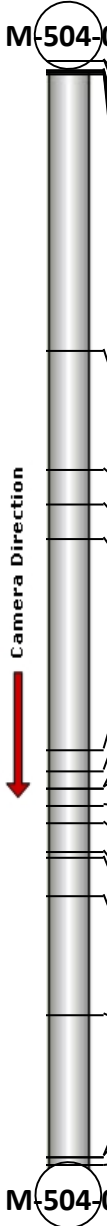
Profile/Photo Observation Report

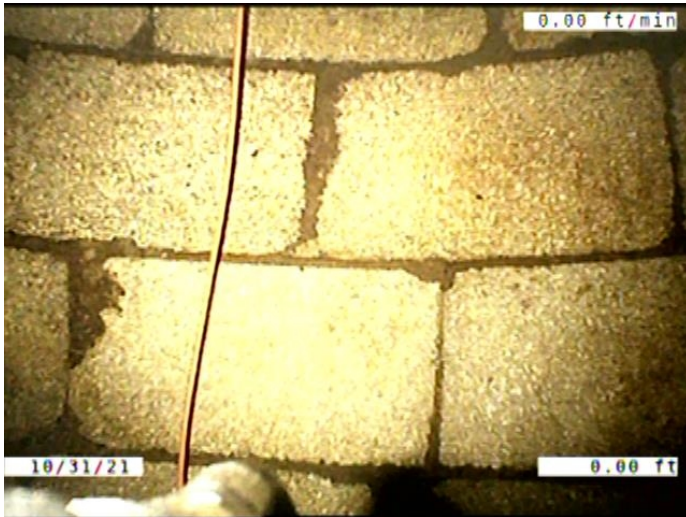


Date:	10/31/2021	Weather:		Coding:	PACP 7.0
Pipe Length (ft):	162.4	Owner:	City of Hobart	Pre Clean:	Heavy Cleaning
P.O.#:	YES502259	Surveyor:	S. Bucklin	PSR:	P-504-034-033
Customer:	City of Hobart	Clean Date:	10/27/2021	Shape:	C

Street:	West Home 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:	Upstream
US MH:	M-504-033	DS MH:	M-504-034
		Total Length Surveyed (ft):	162.4

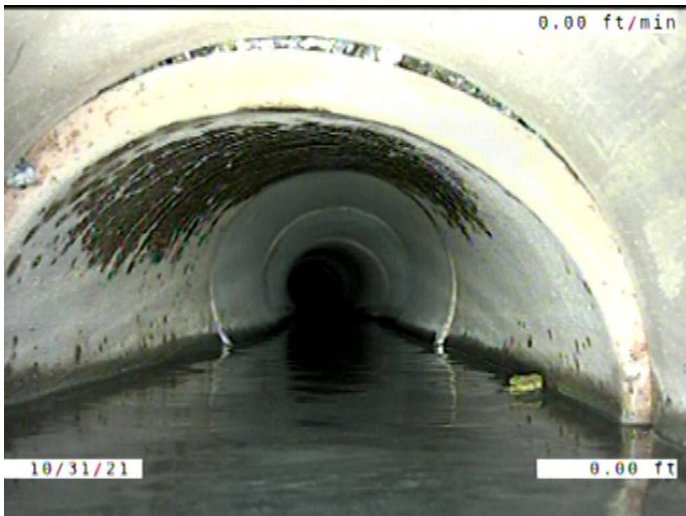
O&M Index:	2.00	O&M Quick:	2H00	O&M Rating:	96.00
Structural Index:	3.20	Structural Quick:	5133	Structural Rating:	16.00
Overall Index:	2.11	Overall Quick:	5133	Overall Rating:	112.00

	Position	Code	Observation	Video (sec)	Grade
					
	.0	AMH	Manhole	1	NA
	.0	MWL	Miscellaneous Water Level	11	NA
	1.5	MGO	Miscellaneous General Observation	24	NA
	1.5	DSF(S01)	Deposits Settled Fine	32	M 2
	1.5	MGO	Miscellaneous General Observation	39	NA
	1.6	JOMD	Joint Offset Medium Defective	71	S 3
	1.6	JAM	Joint Angular Medium	89	S 3
	1.9	OBJ	Obstruction Wedged In The Joint	104	M 2
	42.6	JOM	Joint Offset Medium	322	S 3
	60.2	DAE	Deposits Attached Encrustation	437	M 2
	65.3	OBZ	Obstruction Other	494	M 2
	70.2	OBN	Obstruction Construction Debris	542	M 2
	101.3	OBZ	Obstruction Other	690	M 2
	104.4	DAE	Deposits Attached Encrustation	733	M 2
	107.0	DAE	Deposits Attached Encrustation	772	M 2
	107.0	DAE	Deposits Attached Encrustation	794	M 2
	109.6	DAE	Deposits Attached Encrustation	831	M 2
	112.2	DAE(S02)	Deposits Attached Encrustation	890	M 2
	116.5	MWLS(S03)	Miscellaneous Water Level Sag	958	S 2
	117.2	SMW	Surface Damage Missing Wall	981	S 5
	122.8	MWLS(F03)	Miscellaneous Water Level Sag	1018	S 2
	140.3	DAE(F02)	Deposits Attached Encrustation	1112	M 2
	161.4	DSF(F01)	Deposits Settled Fine	1217	M 2
	161.4	DSC	Deposits Settled Hard/Compacted	1224	M 2
	162.4	AMH	Manhole	1347	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-504-034**



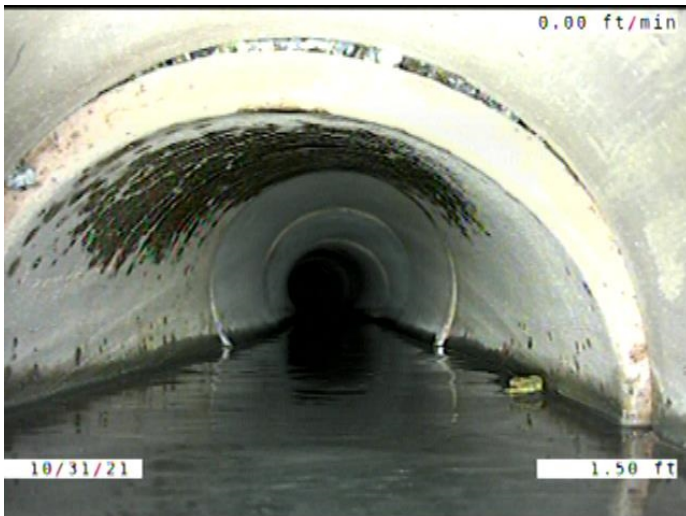
Code: **MWL**
 Description: **Miscellaneous Water Level**

Distance (ft): **.0**
 Structural Grade: **0**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **15.000**
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks:



Code: **MGO**
 Description: **Miscellaneous General Observation**

Distance (ft): **1.5**
 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: **DROP INTO THE MANHOLE. HAD TO START IN THE PIPE.**

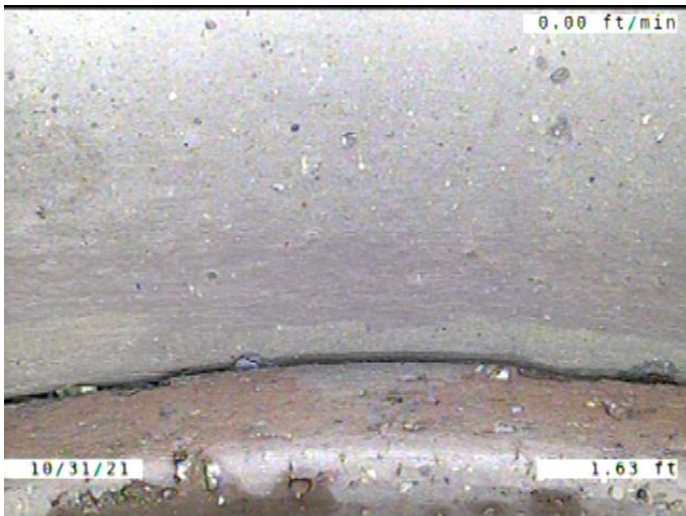


Code: **DSF**
 Description: **Deposits Settled Fine**

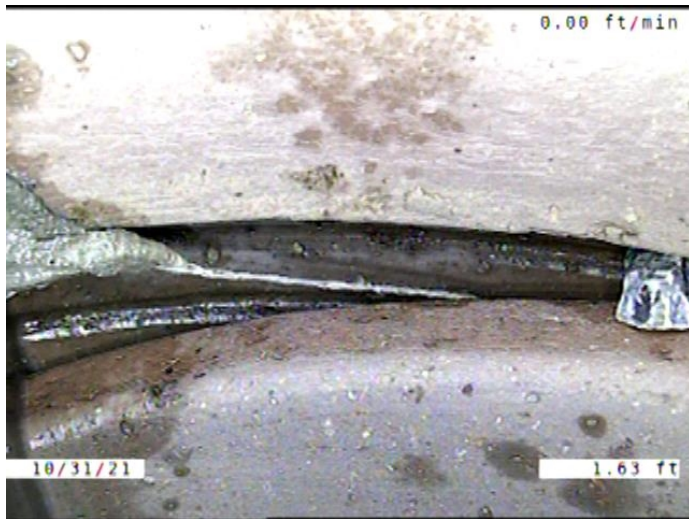
Distance (ft): **1.5**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **5**
 Clock To: **7**
 1st Value:
 2nd Value:
 Value Percent: **10.000**
 Continuous Index: **S01**
 Within 8" of Joint: **YES**
 Remarks:



Code:	MGO
Description:	Miscellaneous General Observation
Distance (ft):	1.5
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 IS SHOWING A 13% NEGATIVE SLOPE AT THIS POINT

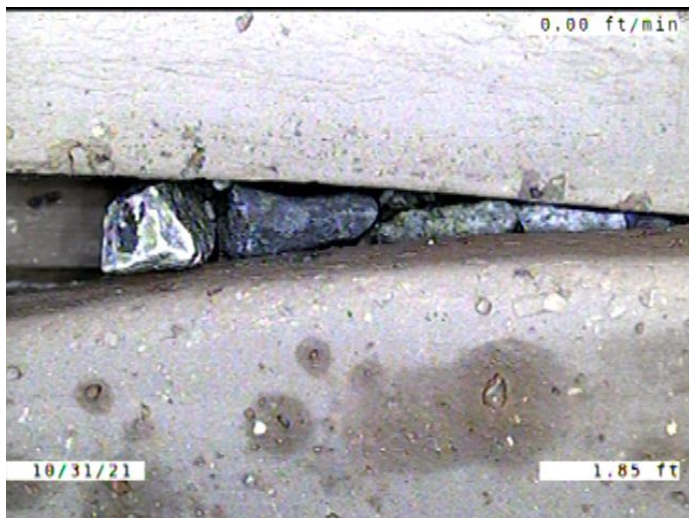


Code:	JOMD
Description:	Joint Offset Medium Defective
Distance (ft):	1.6
Structural Grade:	3
O&M Grade:	0
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	NO
Remarks:	



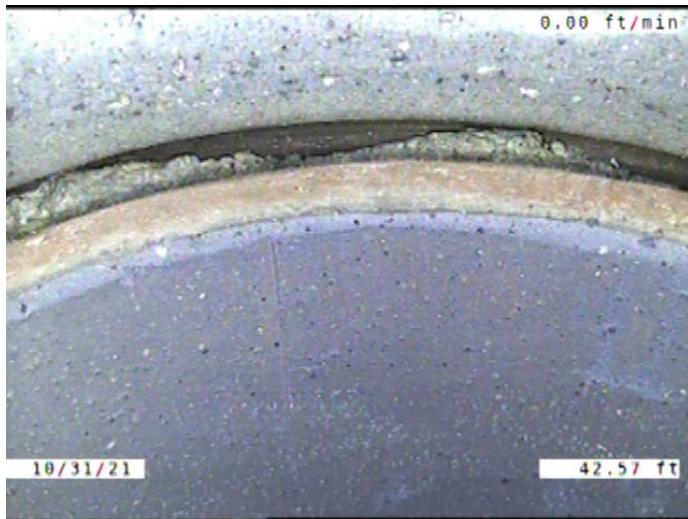
Code: **JAM**
Description: **Joint Angular Medium**

Distance (ft): **1.6**
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:



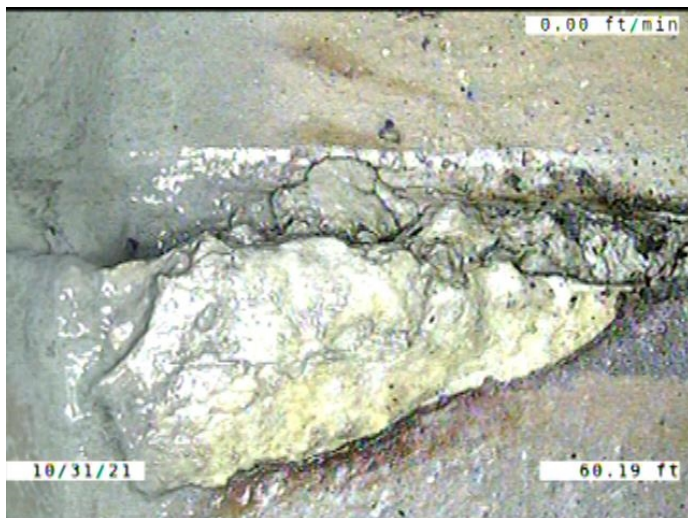
Code: **OBJ**
Description: **Obstruction Wedged In The Joint**

Distance (ft): **1.9**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **10**
Clock To: **11**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



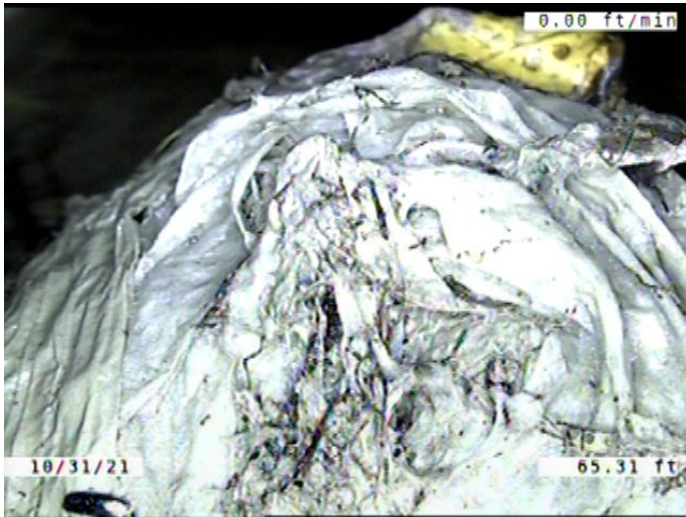
Code: **JOM**
 Description: **Joint Offset Medium**

Distance (ft): **42.6**
 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:

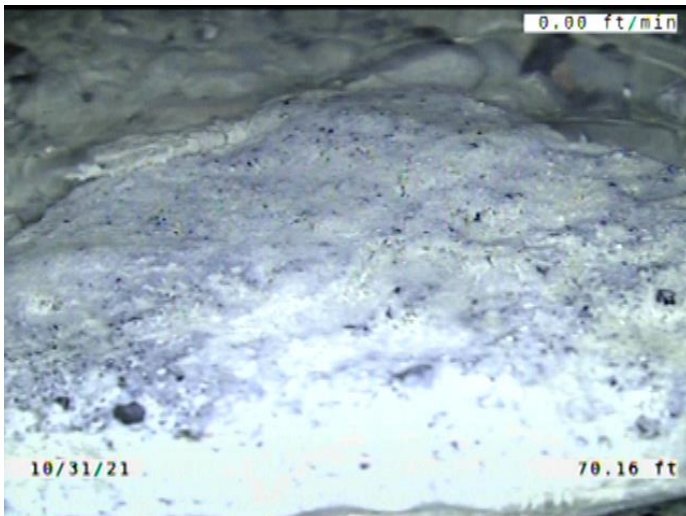


Code: **DAE**
 Description: **Deposits Attached Encrustation**

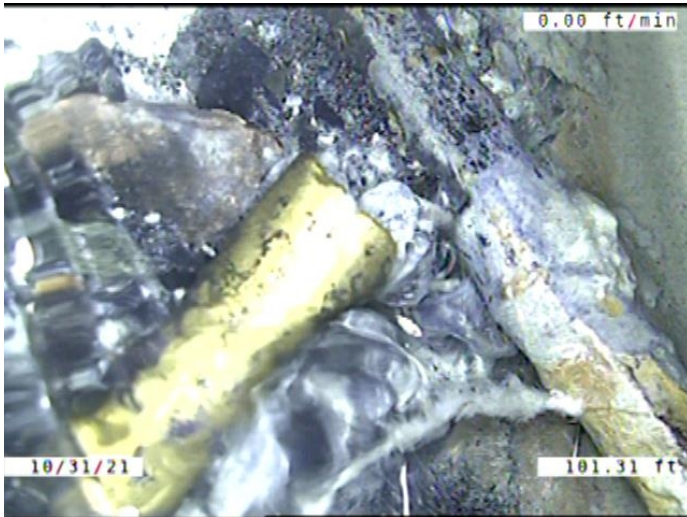
Distance (ft): **60.2**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **3**
 Clock To: **4**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



Code:	OBZ
Description:	Obstruction Other
Distance (ft):	65.3
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:	ROOTS THAT HAVE BEEN CUT. RAGS HUG UP ON THEM

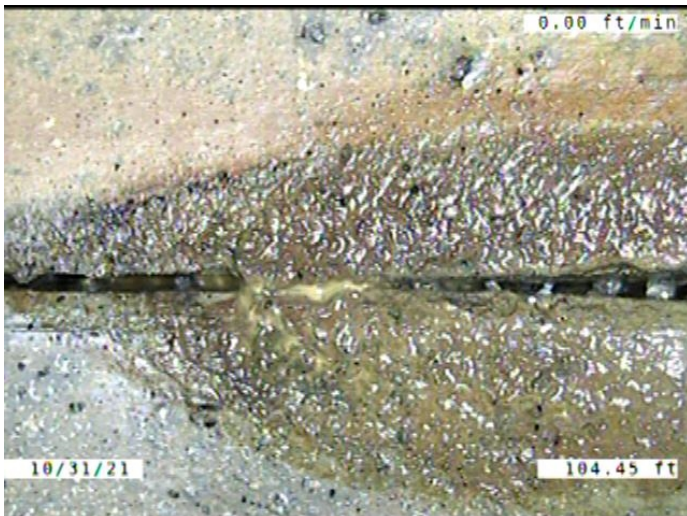


Code:	OBN
Description:	Obstruction Construction Debris
Distance (ft):	70.2
Structural Grade:	0
O&M Grade:	2
Clock Start/From:	5
Clock To:	7
1st Value:	
2nd Value:	
Value Percent:	5.000
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



Code: **OBZ**
Description: **Obstruction Other**

Distance (ft): **101.3**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **5**
Clock To: **6**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index:
Within 8" of Joint: **NO**
Remarks: **BATTERY**



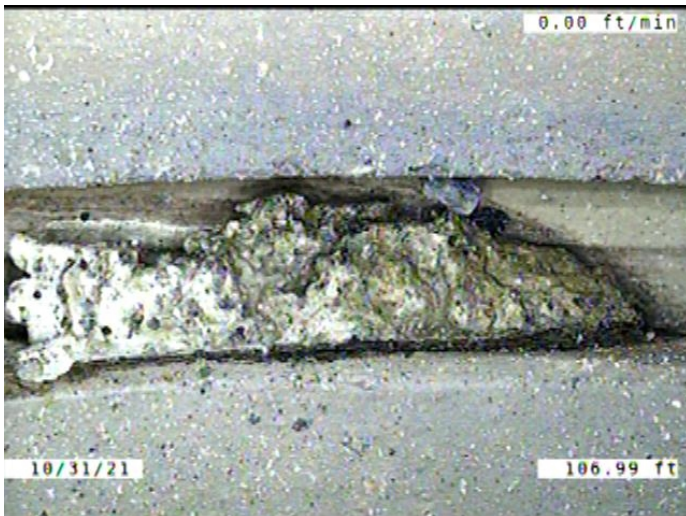
Code: **DAE**
Description: **Deposits Attached Encrustation**

Distance (ft): **104.4**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **2**
Clock To: **4**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



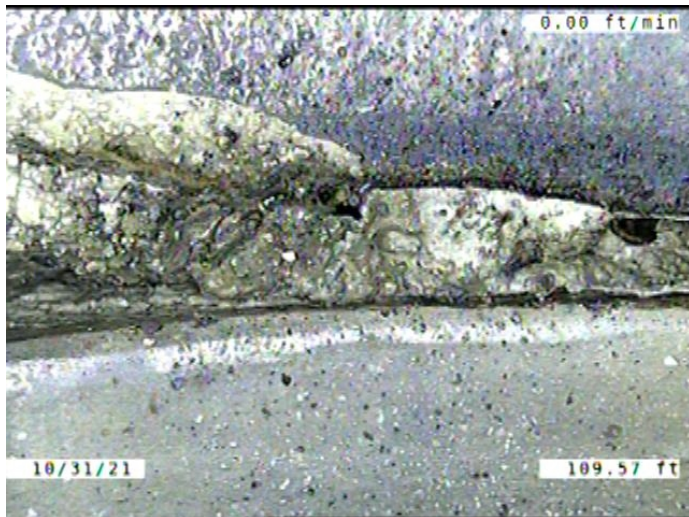
Code: **DAE**
 Description: **Deposits Attached Encrustation**

Distance (ft): **107.0**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **2**
 Clock To: **4**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



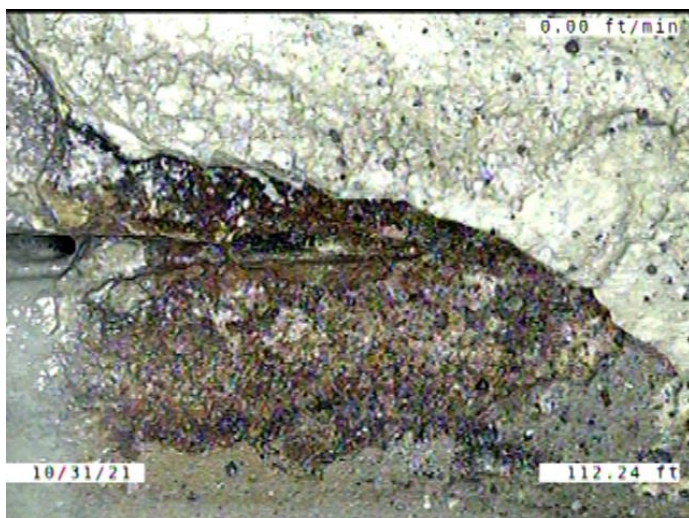
Code: **DAE**
 Description: **Deposits Attached Encrustation**

Distance (ft): **107.0**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **10**
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



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

Distance (ft): **109.6**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **8**
 Clock To: **11**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



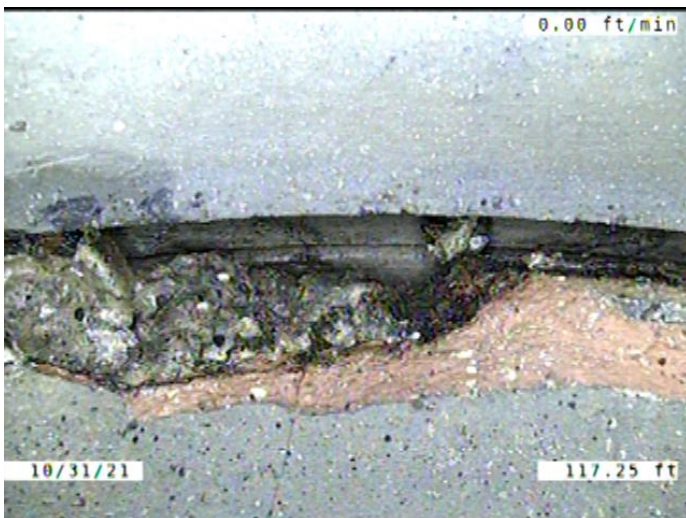
Code: **DAE**
 Description: **Deposits Attached Encrustation**

Distance (ft): **112.2**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **8**
 Clock To: **4**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index: **S02**
 Within 8" of Joint: **YES**
 Remarks:



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

Distance (ft): **116.5**
 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: **SMW**
 Description: **Surface Damage Missing Wall**

Distance (ft): **117.2**
 Structural Grade: **5**
 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: **INSIDE OF THE JOINT**



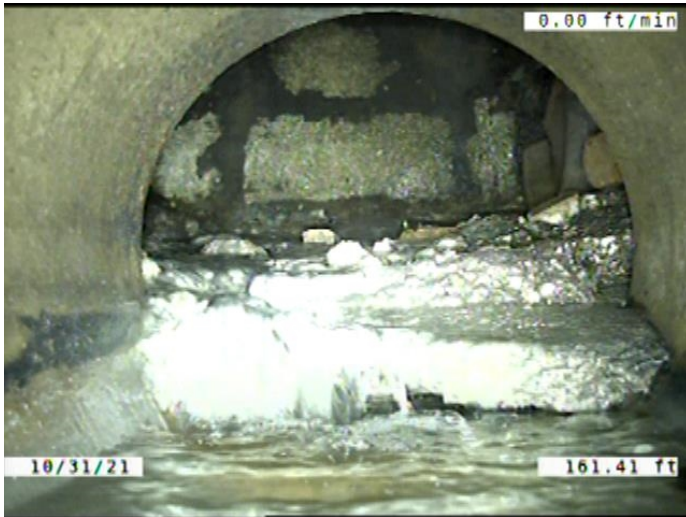
Code: **MWLS**
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **122.8**
 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: **DAE**
 Description: **Deposits Attached Encrustation**

Distance (ft): **140.3**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **8**
 Clock To: **4**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index: **F02**
 Within 8" of Joint: **YES**
 Remarks:



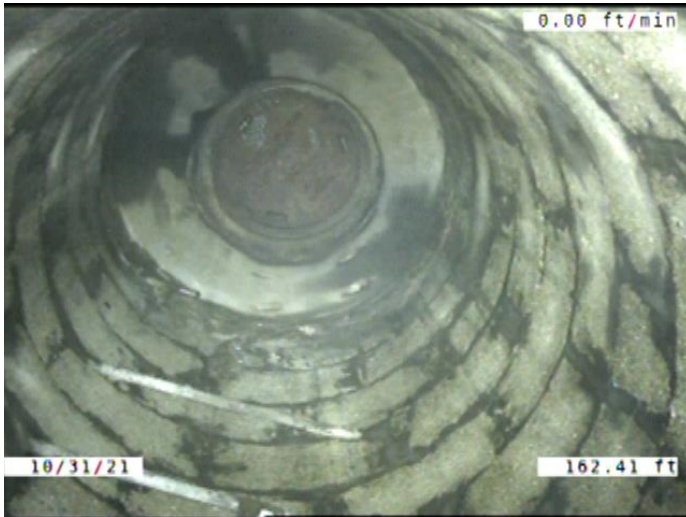
Code: **DSF**
Description: **Deposits Settled Fine**

Distance (ft): **161.4**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **5**
Clock To: **7**
1st Value:
2nd Value:
Value Percent: **10.000**
Continuous Index: **F01**
Within 8" of Joint: **YES**
Remarks:



Code: **DSC**
Description: **Deposits Settled Hard/Compacted**

Distance (ft): **161.4**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **4**
Clock To: **8**
1st Value:
2nd Value:
Value Percent: **10.000**
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



Code:	AMH
Description:	Manhole
Distance (ft):	162.4
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-504-033