

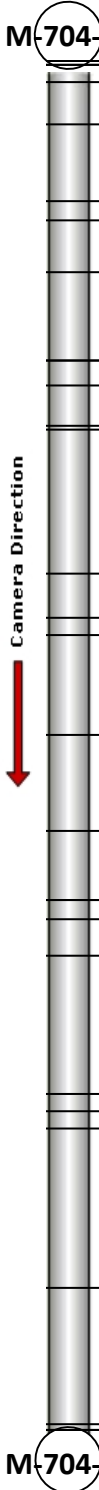
Profile/Photo Observation Report

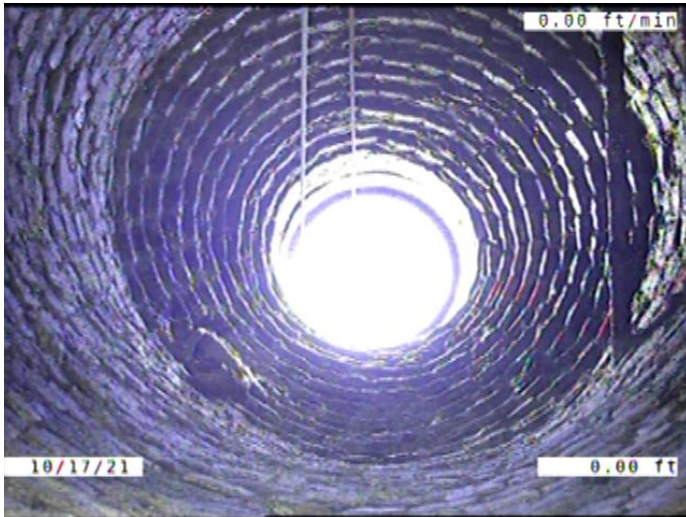


Date:	10/17/2021	Weather:		Coding:	PACP 7.0
Pipe Length (ft):	341.0	Owner:	City of Hobart	Pre Clean:	Heavy Cleaning
P.O.#:	YES502259	Surveyor:	S. Bucklin	PSR:	P-704-011-012
Customer:	City of Hobart	Clean Date:	10/12/2021	Shape:	C

Street:	East Cleveland 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:	8"
Use:	Sanitary Sewage Pipe	Material:	VCP
Drain Area:		Lining:	
Category:	NA		
Comment:			
Location Details:		Direction of Survey:	Upstream
US MH:	M-704-012	DS MH:	M-704-011
		Total Length Surveyed (ft):	104.9

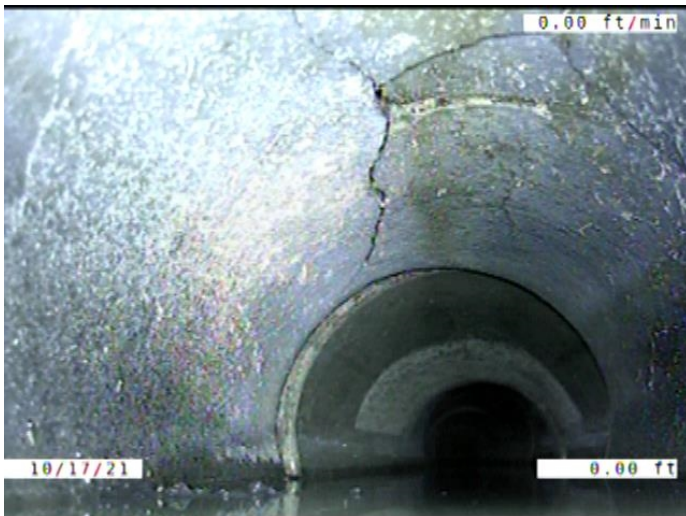
O&M Index:	2.55	O&M Quick:	4522	O&M Rating:	28.00
Structural Index:	3.00	Structural Quick:	5345	Structural Rating:	78.00
Overall Index:	2.86	Overall Quick:	534A	Overall Rating:	106.00

	Position	Code	Observation	Video (sec)	Grade
M-704-011					
	0.0	AMH	Manhole	1	NA
	0.0	MWL	Miscellaneous Water Level	85	NA
	0.3	B	Broken	130	S 4
	0.3	DSF	Deposits Settled Fine	153	M 2
	2.5	FM	Fracture Multiple	233	S 4
	4.8	BSV	Broken Soil Visible	308	S 5
	10.7	JOM	Joint Offset Medium	352	S 3
	12.2	LR	Line Right	371	M 1
	17.1	FM	Fracture Multiple	433	S 4
	23.0	JOMD	Joint Offset Medium Defective	479	S 3
	23.0	MWLS(S01)	Miscellaneous Water Level Sag	491	S 2
	24.8	FM(S02)	Fracture Multiple	545	S 4
	28.0	FM(F02)	Fracture Multiple	588	S 4
	28.2	MCU(S03)	Miscellaneous Camera Underwater	595	M 4
	39.3	MCU(F03)	Miscellaneous Camera Underwater	1012	M 4
	42.7	MWLS(F01)	Miscellaneous Water Level Sag	813	S 2
	44.0	LR	Line Right	1043	M 1
	51.6	LL	Line Left	1082	M 1
	59.0	LR	Line Right	1111	M 1
	64.3	HVV	Hole Void Visible	1179	S 5
	64.3	BSV	Broken Soil Visible	1221	S 5
	65.8	LU	Line Up	1250	M 2
	68.5	MWLS(S04)	Miscellaneous Water Level Sag	1269	S 2
	79.2	CM(S06)	Crack Multiple	1412	S 3
	80.5	FM	Fracture Multiple	1458	S 4
	81.8	MCU(S05)	Miscellaneous Camera Underwater	1473	M 4
	94.0	MCU(F05)	Miscellaneous Camera Underwater	1703	M 4
	104.5	CM(F06)	Crack Multiple	1935	S 3
	104.9	MWLS(F04)	Miscellaneous Water Level Sag	1955	S 2
	104.9	MCU	Miscellaneous Camera Underwater	1963	M 4
	104.9	MSA	Miscellaneous Survey Abandoned	1971	NA
M-704-012					



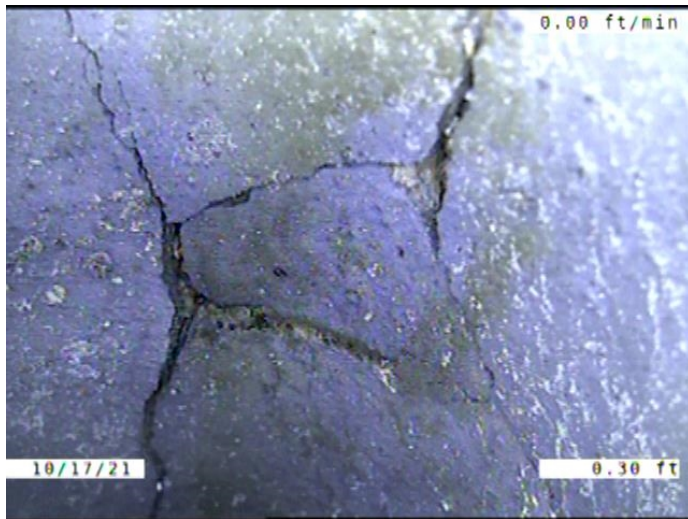
Code: **AMH**
 Description: **Manhole**

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-704-011**



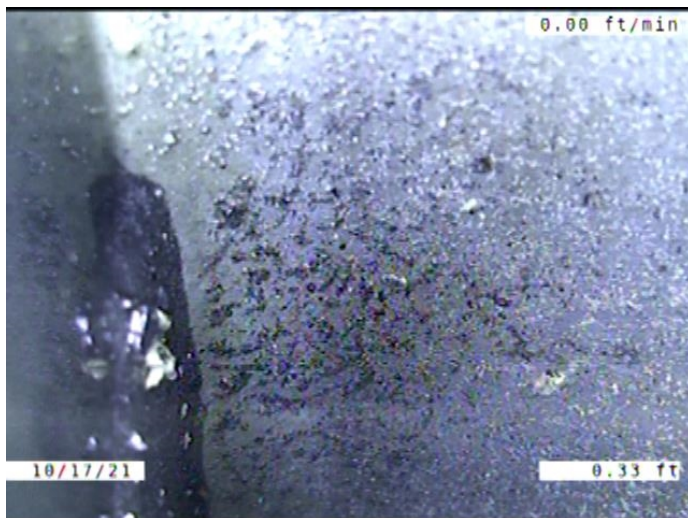
Code: **MWL**
 Description: **Miscellaneous Water Level**

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:



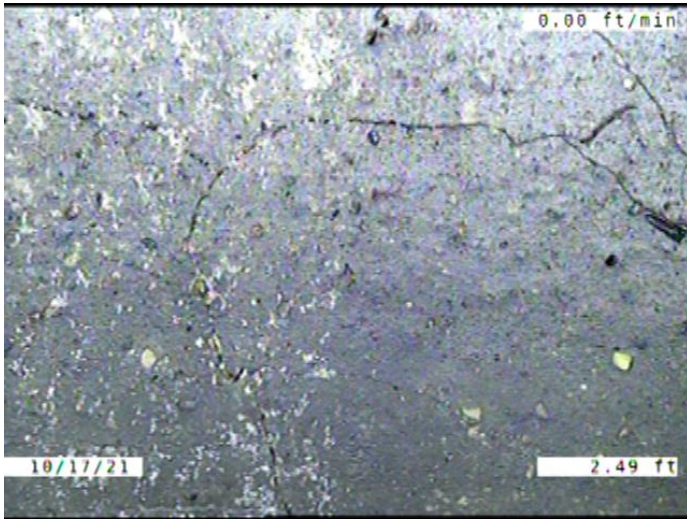
Code: **B**
 Description: **Broken**

Distance (ft): **.3**
 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:



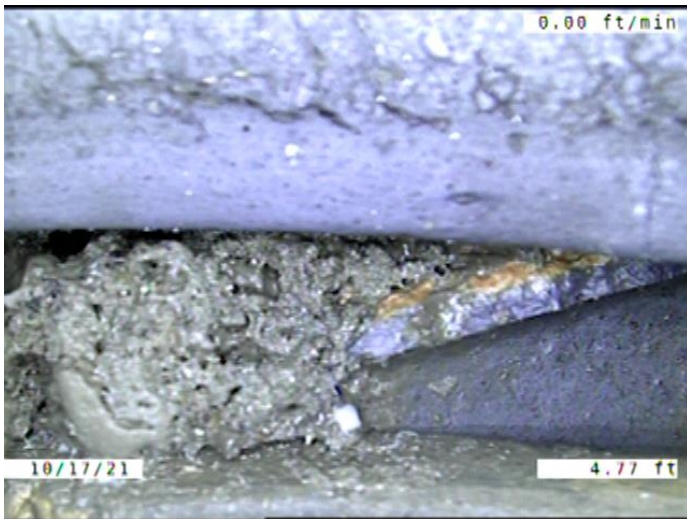
Code: **DSF**
 Description: **Deposits Settled Fine**

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



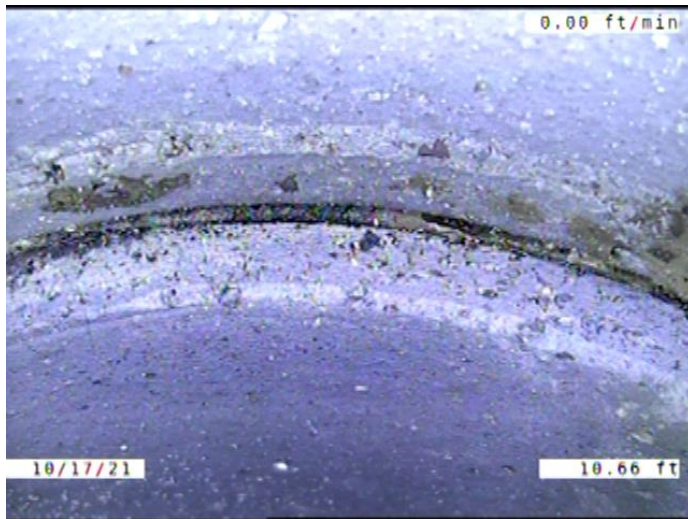
Code: **FM**
 Description: **Fracture Multiple**

Distance (ft): **2.5**
 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:



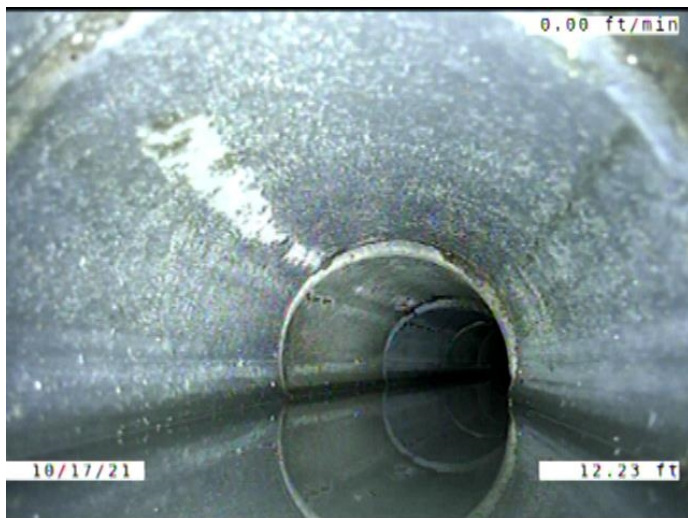
Code: **BSV**
 Description: **Broken Soil Visible**

Distance (ft): **4.8**
 Structural Grade: **5**
 O&M Grade: **0**
 Clock Start/From: **9**
 Clock To: **3**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



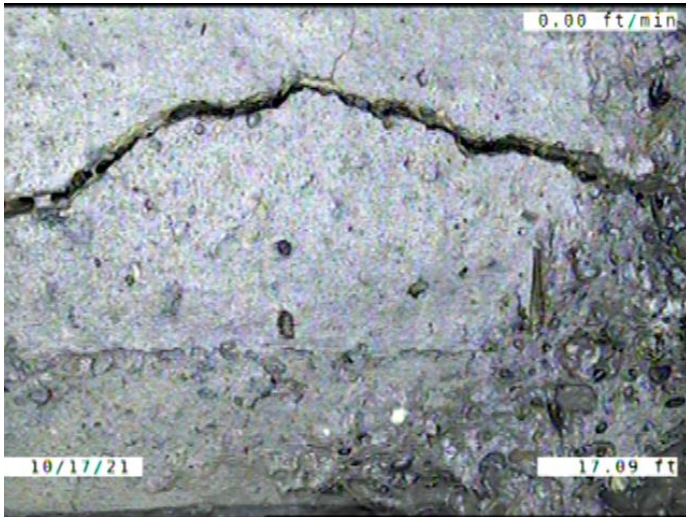
Code: **JOM**
 Description: **Joint Offset Medium**

Distance (ft): **10.7**
 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: **LR**
 Description: **Line Right**

Distance (ft): **12.2**
 Structural Grade: **0**
 O&M Grade: **1**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **10.000**
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks:



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

Distance (ft): **17.1**
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:



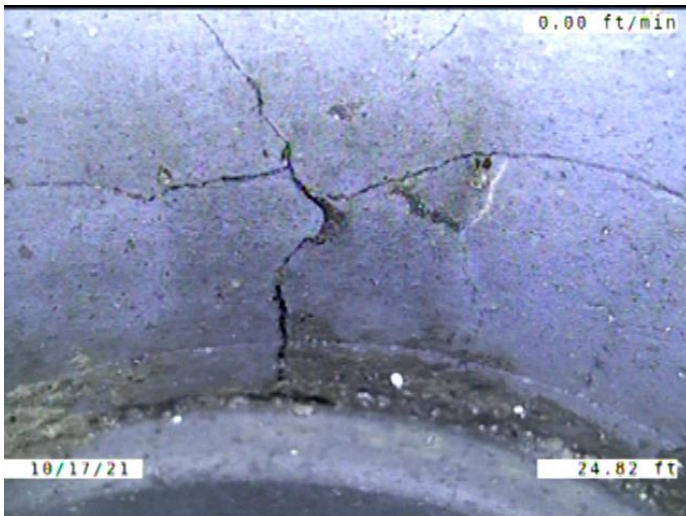
Code: **JOMD**
Description: **Joint Offset Medium Defective**

Distance (ft): **23.0**
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: **SOIL VISIBLE**



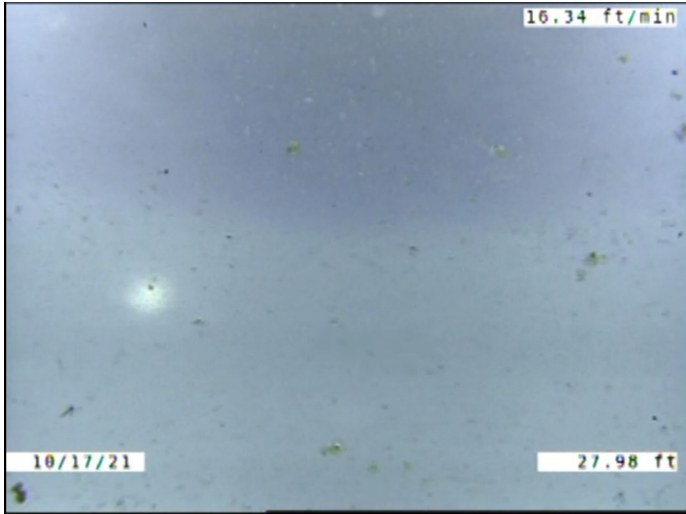
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **23.0**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **30.000**
Continuous Index: **S01**
Within 8" of Joint: **NO**
Remarks:



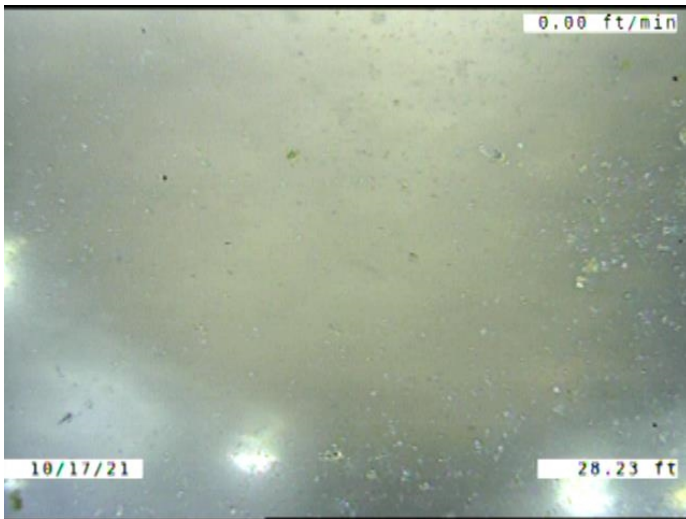
Code: **FM**
Description: **Fracture Multiple**

Distance (ft): **24.8**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **9**
Clock To: **3**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **S02**
Within 8" of Joint: **YES**
Remarks:



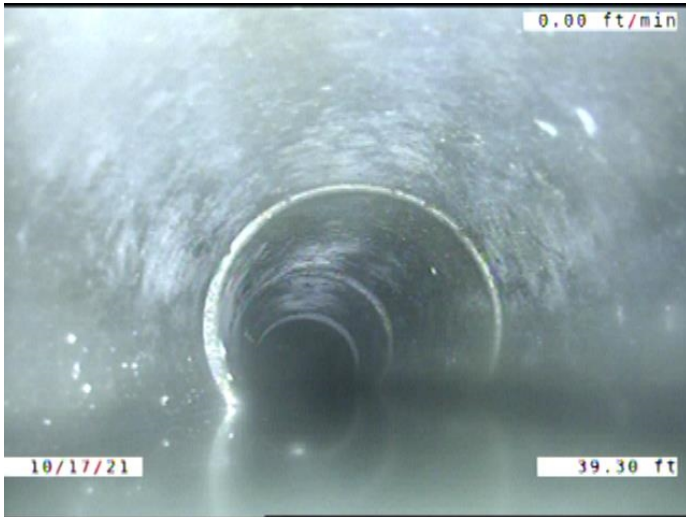
Code: **FM**
Description: **Fracture Multiple**

Distance (ft): **28.0**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **9**
Clock To: **3**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **F02**
Within 8" of Joint: **YES**
Remarks:



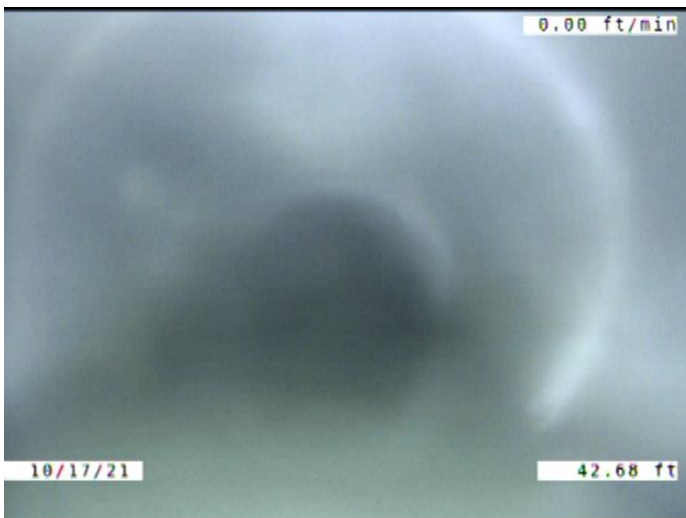
Code: **MCU**
Description: **Miscellaneous Camera Underwater**

Distance (ft): **28.2**
Structural Grade: **0**
O&M Grade: **4**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index: **S03**
Within 8" of Joint: **NO**
Remarks:



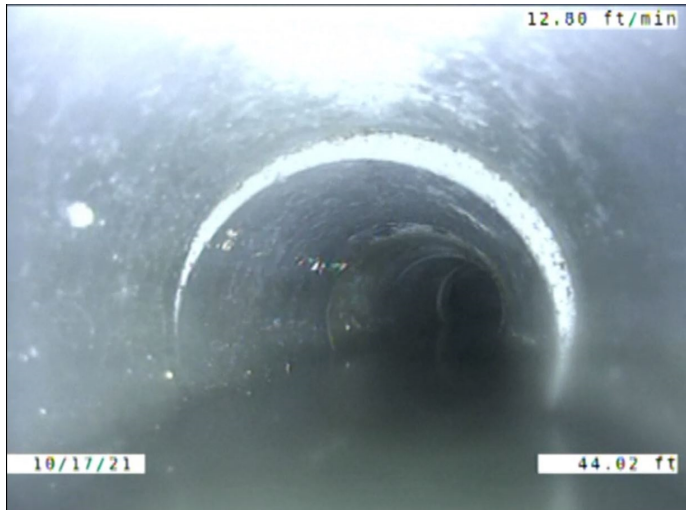
Code: **MCU**
Description: **Miscellaneous Camera Underwater**

Distance (ft): **39.3**
Structural Grade: **0**
O&M Grade: **4**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index: **F03**
Within 8" of Joint: **NO**
Remarks:



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

Distance (ft): **42.7**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **30.000**
Continuous Index: **F01**
Within 8" of Joint: **NO**
Remarks:



Code: **LR**
Description: **Line Right**

Distance (ft): **44.0**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



Code: **LL**
Description: **Line Left**

Distance (ft): **51.6**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



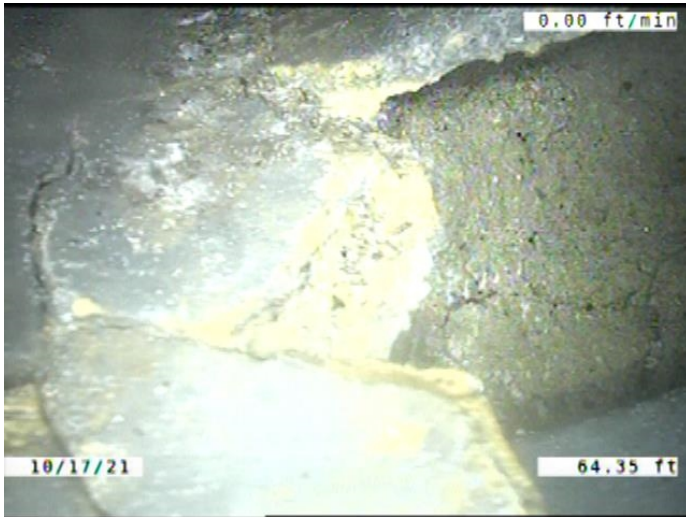
Code: **LR**
 Description: **Line Right**

Distance (ft): **59.0**
 Structural Grade: **0**
 O&M Grade: **1**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks:



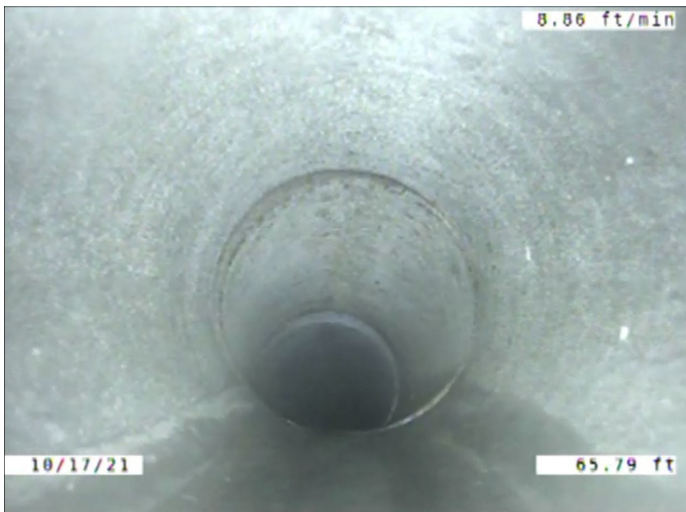
Code: **HVV**
 Description: **Hole Void Visible**

Distance (ft): **64.3**
 Structural Grade: **5**
 O&M Grade: **0**
 Clock Start/From: **6**
 Clock To: **9**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks: **SOIL AND VOID VISIBLE**



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

Distance (ft): **64.3**
 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:



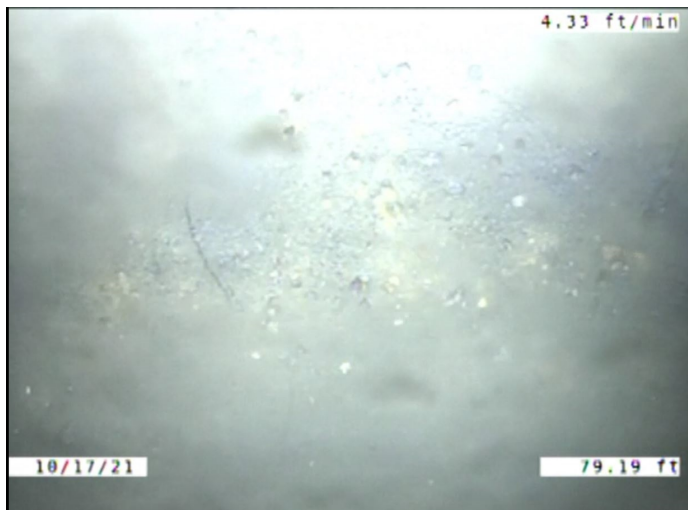
Code: **LU**
 Description: **Line Up**

Distance (ft): **65.8**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **15.000**
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks:



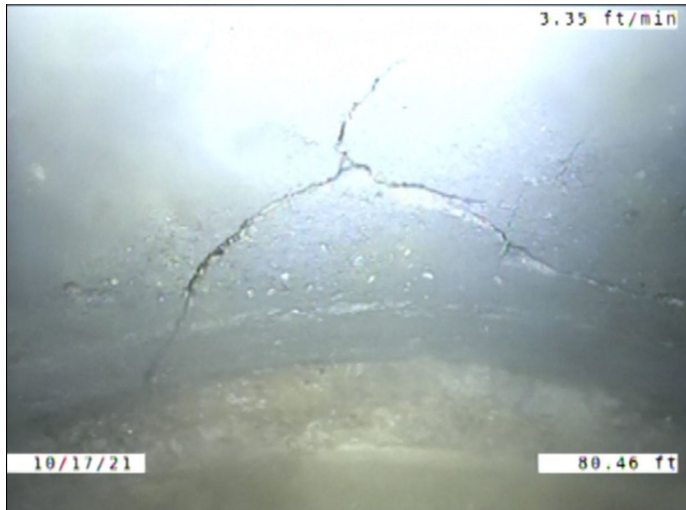
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **68.5**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **30.000**
Continuous Index: **S04**
Within 8" of Joint: **NO**
Remarks:



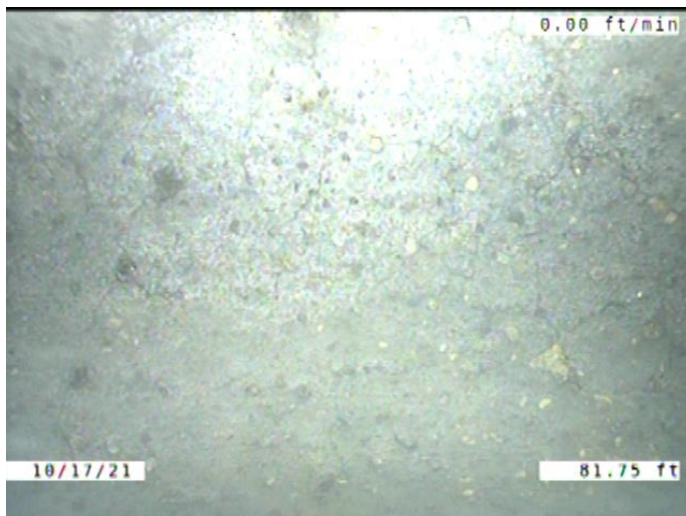
Code: **CM**
Description: **Crack Multiple**

Distance (ft): **79.2**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From: **10**
Clock To: **2**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **S06**
Within 8" of Joint: **YES**
Remarks: **Visible through water**



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

Distance (ft): **80.5**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **11**
Clock To: **1**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



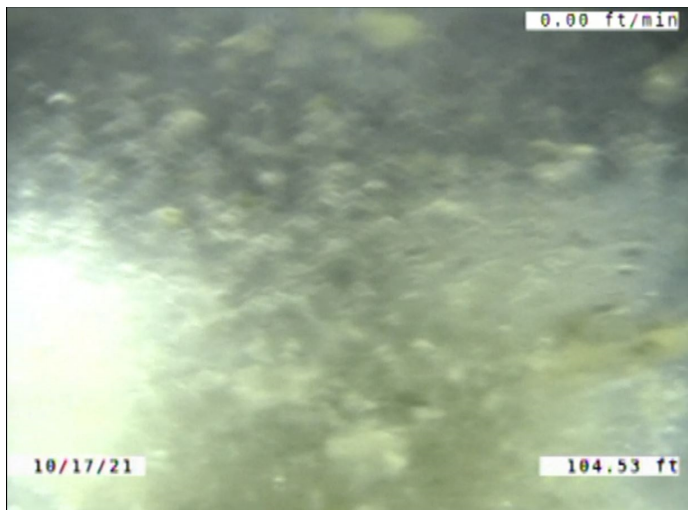
Code: **MCU**
Description: **Miscellaneous Camera Underwater**

Distance (ft): **81.8**
Structural Grade: **0**
O&M Grade: **4**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index: **S05**
Within 8" of Joint: **NO**
Remarks:



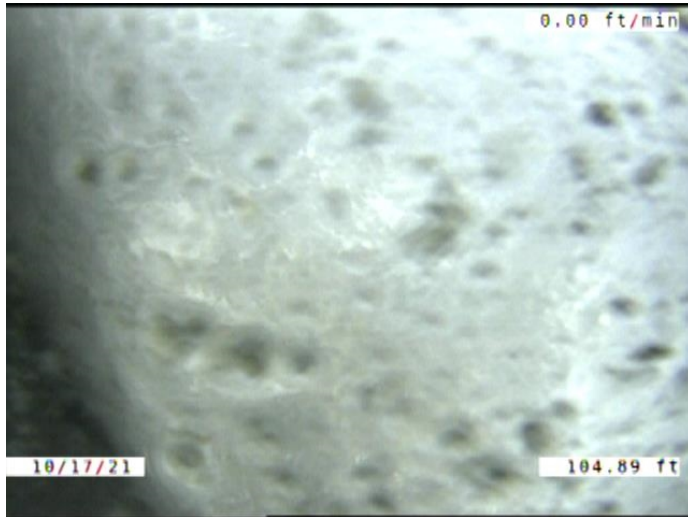
Code: **MCU**
Description: **Miscellaneous Camera Underwater**

Distance (ft): **94.0**
Structural Grade: **0**
O&M Grade: **4**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index: **F05**
Within 8" of Joint: **NO**
Remarks:



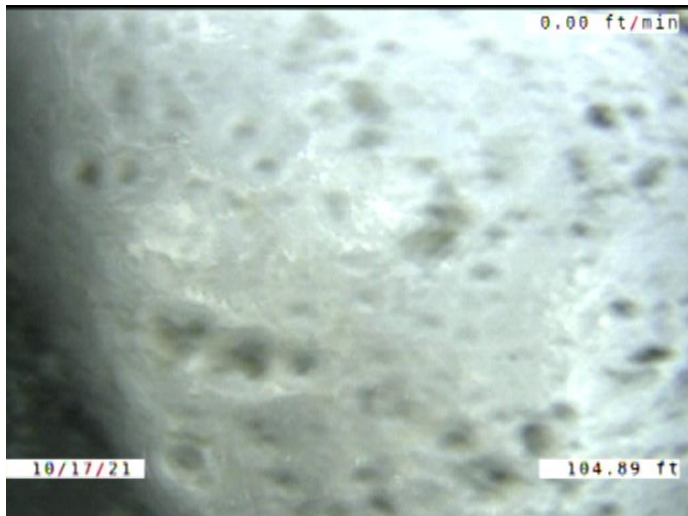
Code: **CM**
Description: **Crack Multiple**

Distance (ft): **104.5**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From: **10**
Clock To: **2**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **F06**
Within 8" of Joint: **YES**
Remarks: **Visible through water**



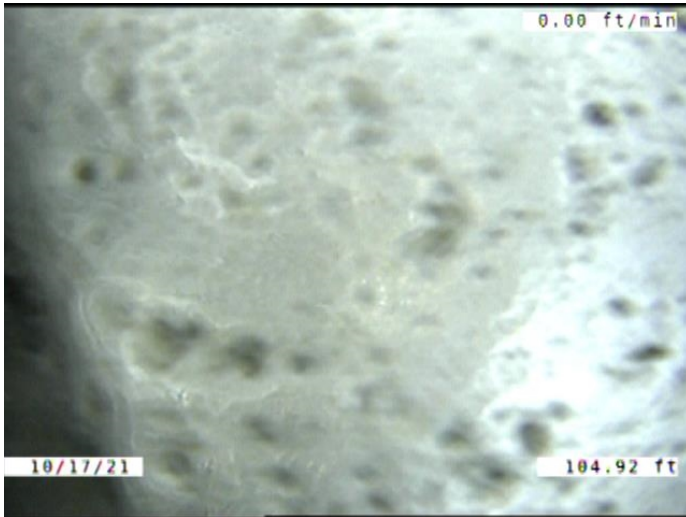
Code: **MWLS**
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **104.9**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **30.000**
 Continuous Index: **F04**
 Within 8" of Joint: **NO**
 Remarks:



Code: **MCU**
 Description: **Miscellaneous Camera Underwater**

Distance (ft): **104.9**
 Structural Grade: **0**
 O&M Grade: **4**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks:



Code:	MSA
Description:	Miscellaneous Survey Abandoned
Distance (ft):	104.9
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:	CAMERA WENT UNDER WATER. WATER NOT CLEAR ENOUGH TO CO