

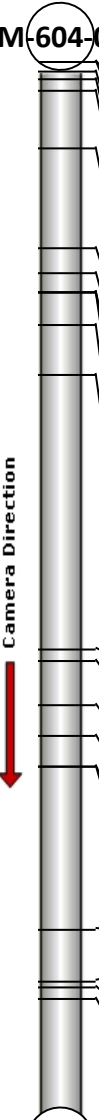
Profile/Photo Observation Report



Date:	11/10/2021	Weather:		Coding:	PACP 7.0
Pipe Length (ft):	165.2	Owner:	City of Hobart	Pre Clean:	Heavy Cleaning
P.O.#:	YES502259	Surveyor:	Steven Bucklin	PSR:	P-604-116-061
Customer:	City of Hobart, IN (Red	Clean Date:	11/10/2021	Shape:	C

Street:	West Cleveland 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:	12"
Use:	Sanitary Sewage Pipe	Material:	CP
Drain Area:		Lining:	None
Category:	NA		
Comment:			
Location Details:		Direction of Survey:	Upstream
US MH:	M-604-116	DS MH:	M-604-061
		Total Length Surveyed (ft):	165.2

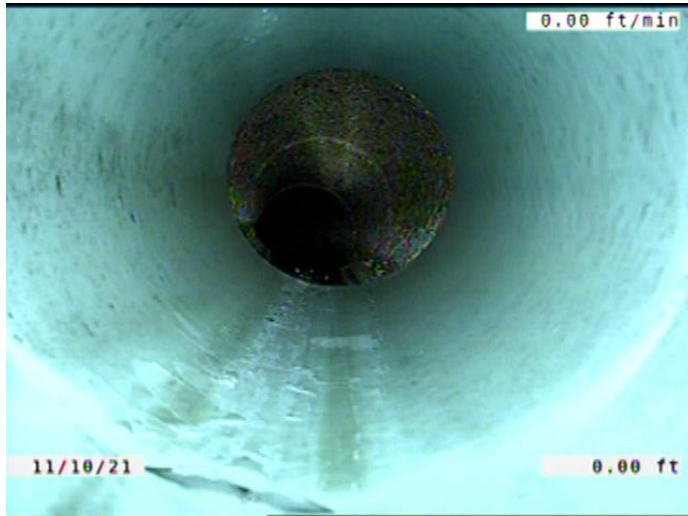
O&M Index:	2.00	O&M Quick:	2300	O&M Rating:	6.00
Structural Index:	2.33	Structural Quick:	4432	Structural Rating:	70.00
Overall Index:	2.30	Overall Quick:	4432	Overall Rating:	76.00

	Position	Code	Observation	Video (sec)	Grade
M-604-061					
	.0	AMH	Manhole	1	NA
	.0	MWL	Miscellaneous Water Level	12	NA
	1.5	MGO	Miscellaneous General Observation	24	NA
	4.5	MMC	Miscellaneous Material Change	77	NA
	6.4	MWLS(S01)	Miscellaneous Water Level Sag	105	S 2
	13.4	DAE	Deposits Attached Encrustation	155	M 2
	30.8	FM	Fracture Multiple	308	S 4
	34.6	DAE	Deposits Attached Encrustation	362	M 2
	37.6	MMC	Miscellaneous Material Change	437	NA
	37.6	ISSRH	Intruding Sealing Material Sealing Ring Hanging	454	M 2
	37.6	MWLS(F01)	Miscellaneous Water Level Sag	465	S 2
	41.0	MGO	Miscellaneous General Observation	514	NA
	50.6	MWLS(S02)	Miscellaneous Water Level Sag	582	S 2
	93.5	MGO	Miscellaneous General Observation	758	NA
	95.2	MMC	Miscellaneous Material Change	816	NA
	102.0	FS(S03)	Fracture Spiral	897	S 3
	106.7	MWLS(F02)	Miscellaneous Water Level Sag	929	S 2
	111.6	FS(F03)	Fracture Spiral	957	S 3
	111.6	MWLS(S04)	Miscellaneous Water Level Sag	965	S 2
	137.0	FM	Fracture Multiple	1113	S 4
	145.1	FM	Fracture Multiple	1204	S 4
	146.0	FM	Fracture Multiple	1270	S 4
	147.8	MWLS(F04)	Miscellaneous Water Level Sag	1294	S 2
	165.2	AMH	Manhole	1490	NA
M-604-116					



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-604-061**



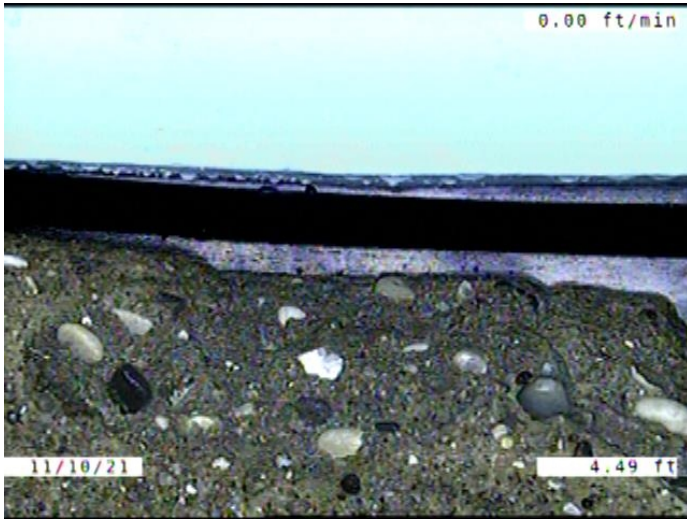
Code: **MWL**
Description: **Miscellaneous Water Level**

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:



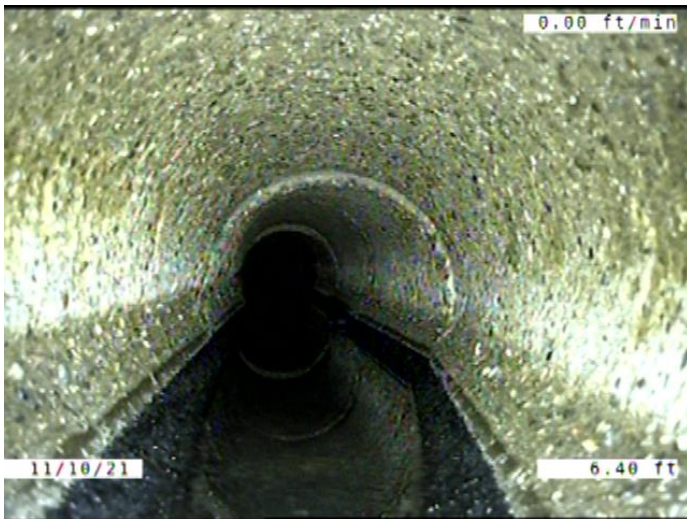
Code: **MGO**
Description: **Miscellaneous General Observation**

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: **CHANNEL BUILT TO SMALL FOR THE CRAWLER TO FIT IN IT. HAD TO STAR**



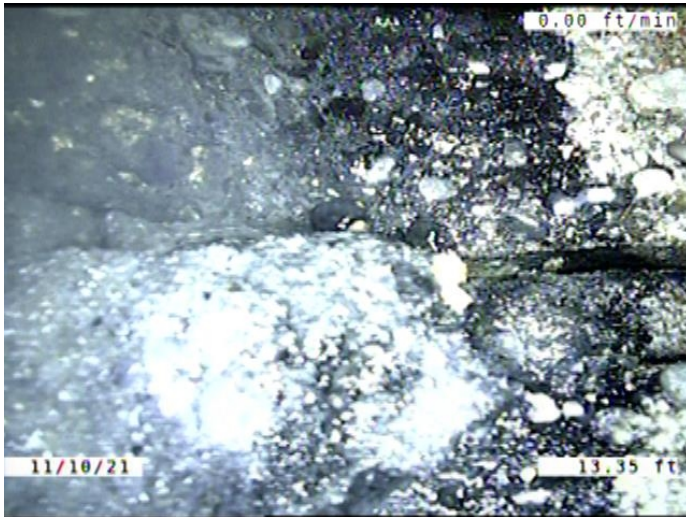
Code: **MMC**
 Description: **Miscellaneous Material Change**

Distance (ft): **4.5**
 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: **PVC TO CONCRETE**



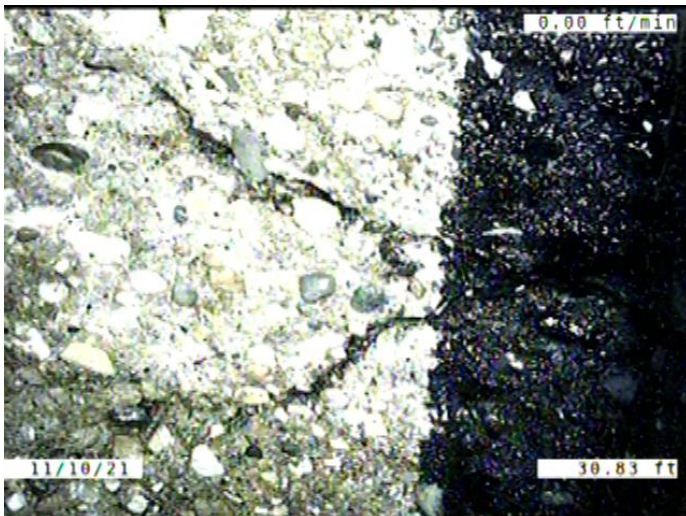
Code: **MWLS**
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **6.4**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **15.000**
 Continuous Index: **S01**
 Within 8" of Joint: **NO**
 Remarks:



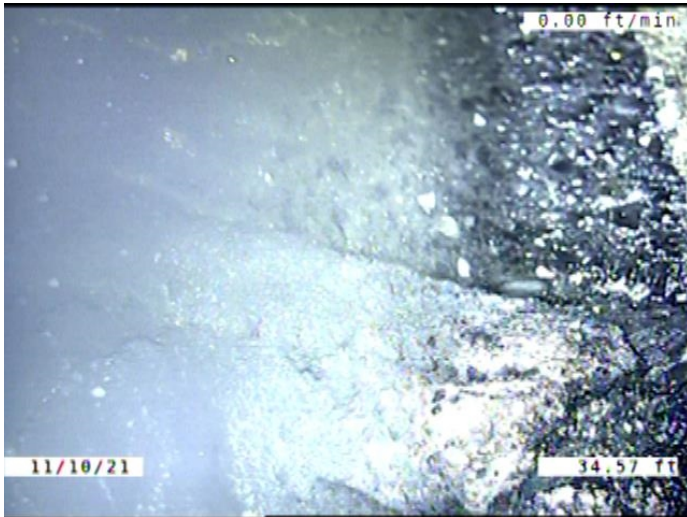
Code: **DAE**
 Description: **Deposits Attached Encrustation**

Distance (ft): **13.4**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **4**
 Clock To: **5**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



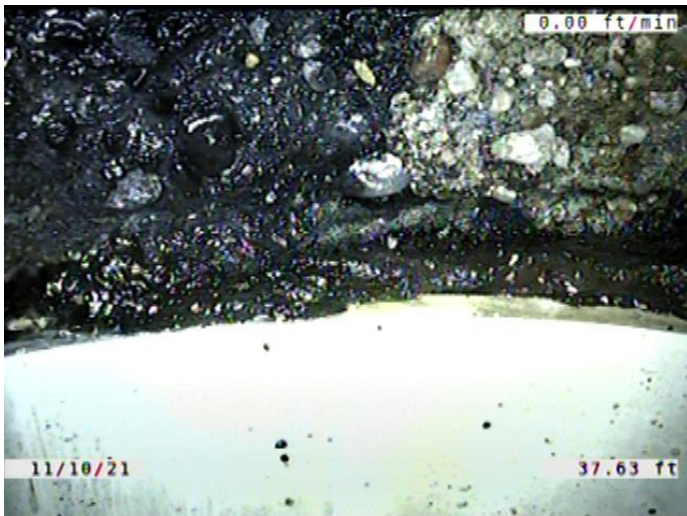
Code: **FM**
 Description: **Fracture Multiple**

Distance (ft): **30.8**
 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:



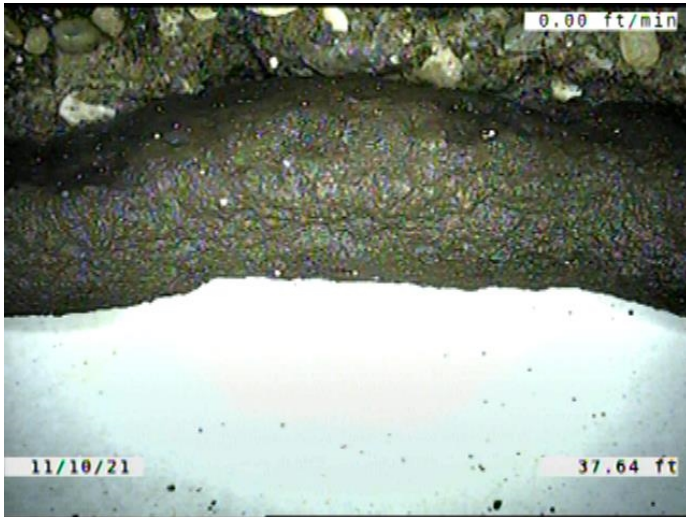
Code: **DAE**
 Description: **Deposits Attached Encrustation**

Distance (ft): **34.6**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **4**
 Clock To: **5**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



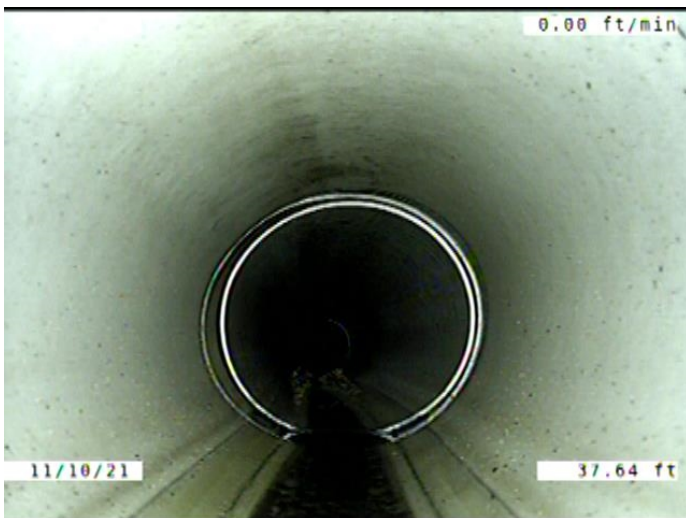
Code: **MMC**
 Description: **Miscellaneous Material Change**

Distance (ft): **37.6**
 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: **CONCRETE TO PVC**



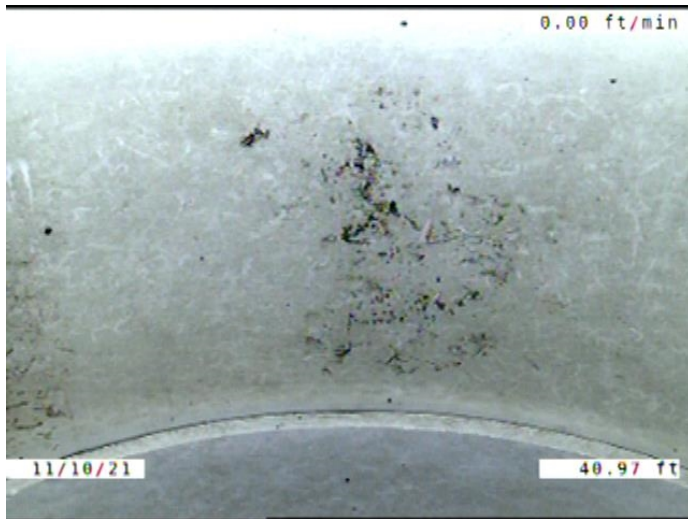
Code: **ISSRH**
 Description: **Intruding Sealing Material Sealing Ring Hanging**

Distance (ft): **37.6**
 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: **NO**
 Remarks:



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

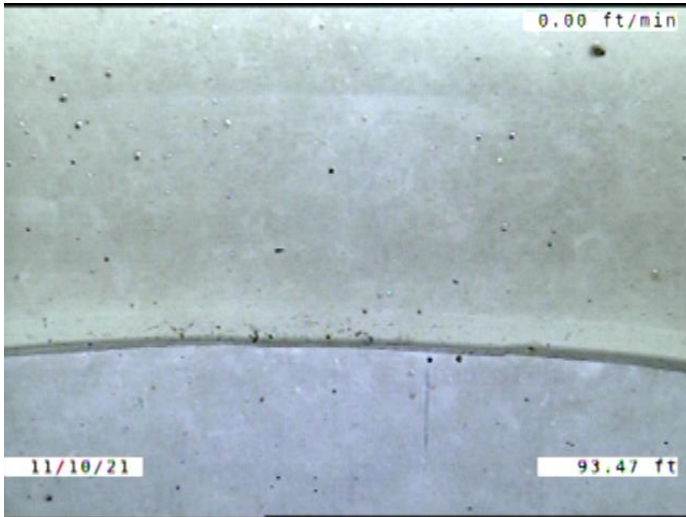
Distance (ft): **37.6**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **15.000**
 Continuous Index: **F01**
 Within 8" of Joint: **NO**
 Remarks:



Code:	MGO
Description:	Miscellaneous General Observation
Distance (ft):	41.0
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:	JOINT/ PIPES NOT PUSHED ALL THE WAY TOGETHER WHEN INSTALLED

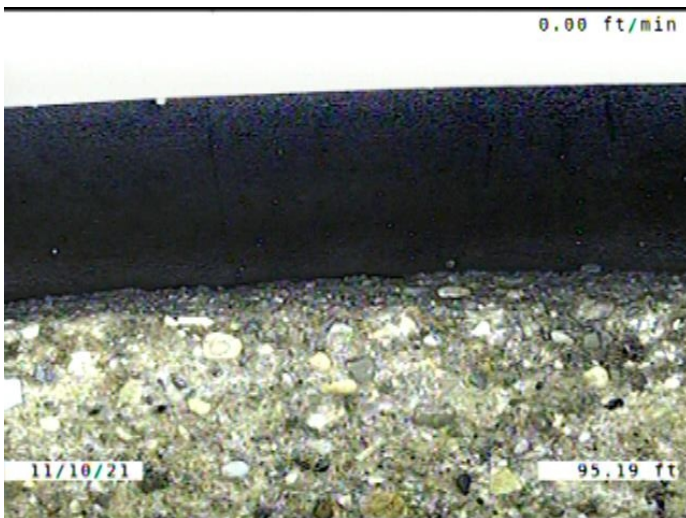


Code:	MWLS
Description:	Miscellaneous Water Level Sag
Distance (ft):	50.6
Structural Grade:	2
O&M Grade:	0
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	15.000
Continuous Index:	S02
Within 8" of Joint:	NO
Remarks:	



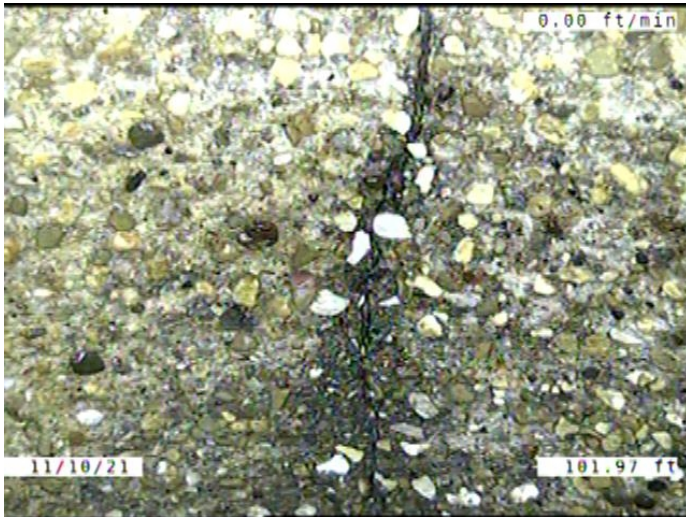
Code: **MGO**
 Description: **Miscellaneous General Observation**

Distance (ft): **93.5**
 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: **JOINT/ PIPES NOT PUSHED ALL THE WAY TOGETHER WHEN INSTALLED**



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

Distance (ft): **95.2**
 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 CONCRETE**



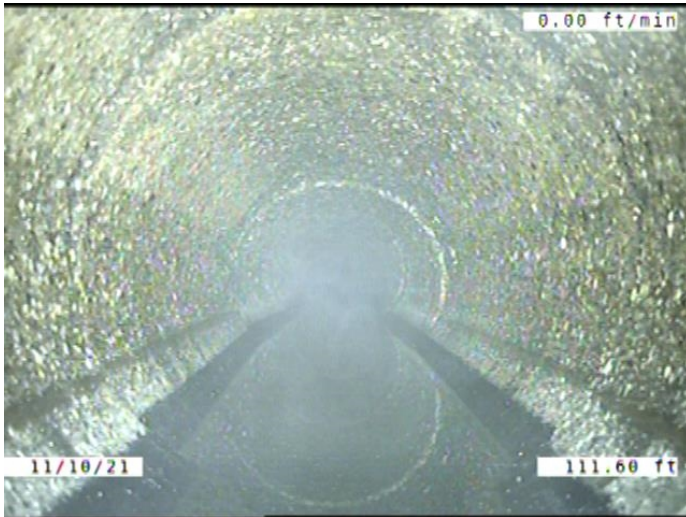
Code: **FS**
Description: **Fracture Spiral**

Distance (ft): **102.0**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From: **11**
Clock To: **1**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **S03**
Within 8" of Joint: **YES**
Remarks:



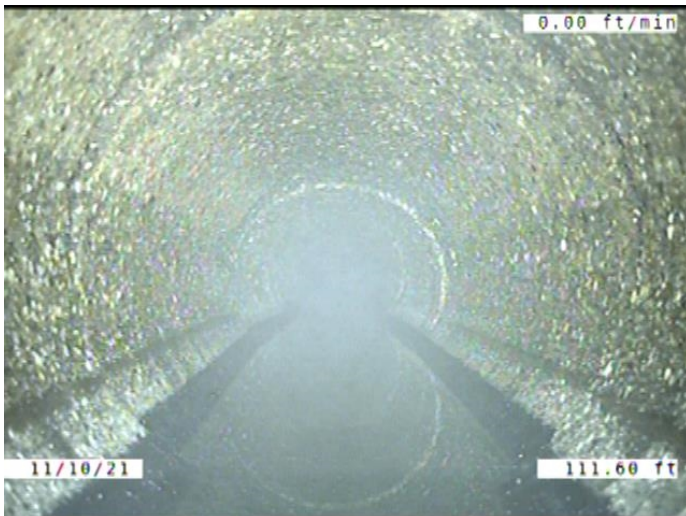
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **106.7**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **15.000**
Continuous Index: **F02**
Within 8" of Joint: **NO**
Remarks:



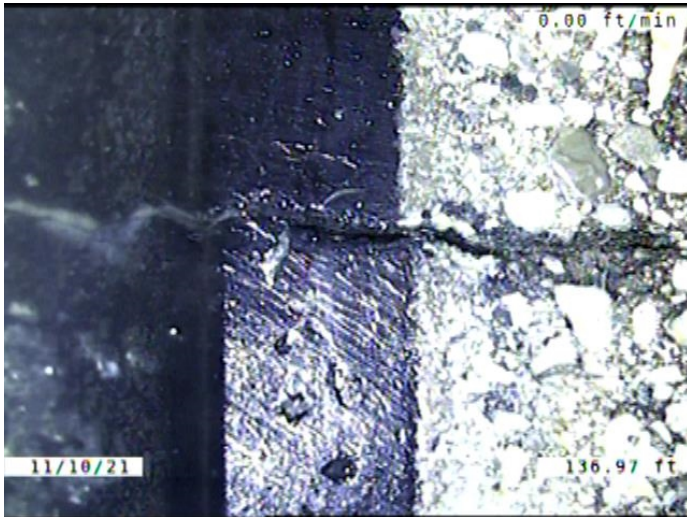
Code: **FS**
 Description: **Fracture Spiral**

Distance (ft): **111.6**
 Structural Grade: **3**
 O&M Grade: **0**
 Clock Start/From: **11**
 Clock To: **1**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index: **F03**
 Within 8" of Joint: **YES**
 Remarks:



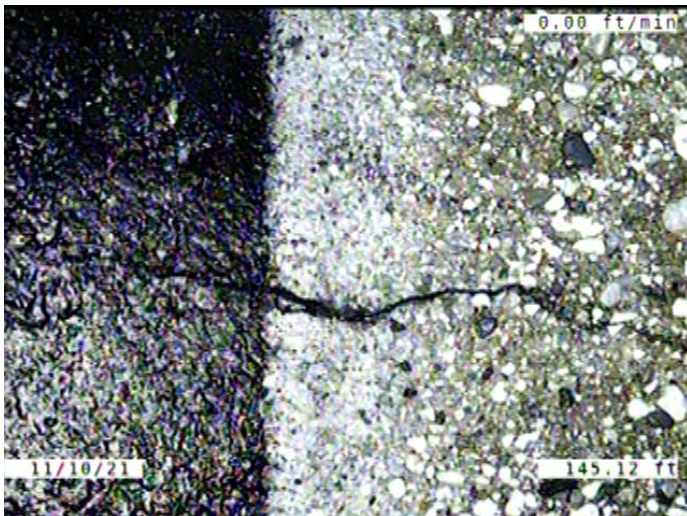
Code: **MWLS**
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **111.6**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **10.000**
 Continuous Index: **S04**
 Within 8" of Joint: **NO**
 Remarks:



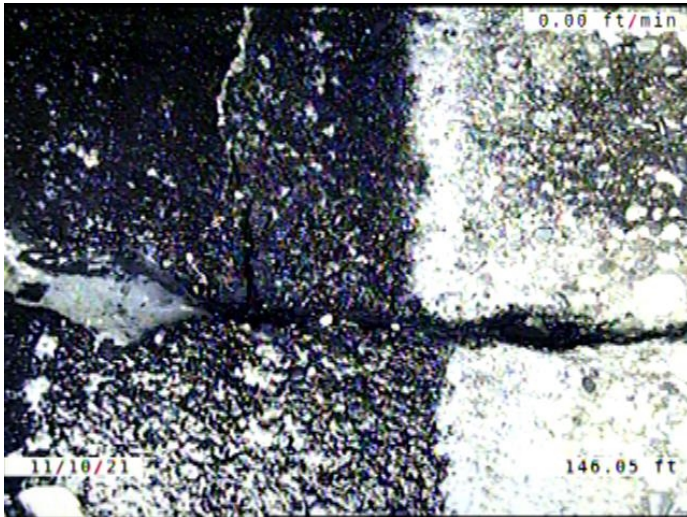
Code: **FM**
 Description: **Fracture Multiple**

Distance (ft): **137.0**
 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: **NO**
 Remarks:



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

Distance (ft): **145.1**
 Structural Grade: **4**
 O&M Grade: **0**
 Clock Start/From: **3**
 Clock To: **9**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



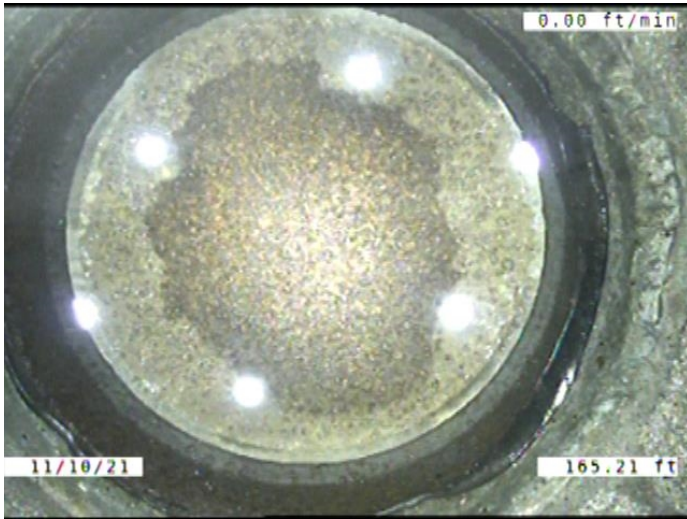
Code: **FM**
 Description: **Fracture Multiple**

Distance (ft): **146.0**
 Structural Grade: **4**
 O&M Grade: **0**
 Clock Start/From: **3**
 Clock To: **9**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



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

Distance (ft): **147.8**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **10.000**
 Continuous Index: **F04**
 Within 8" of Joint: **NO**
 Remarks:



Code:	AMH
Description:	Manhole
Distance (ft):	165.2
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-604-116