

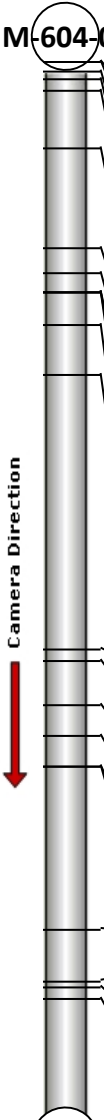
## Profile/Photo Observation Report



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
<b>M-604-061</b>					
	.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
<b>M-604-116</b>					



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**

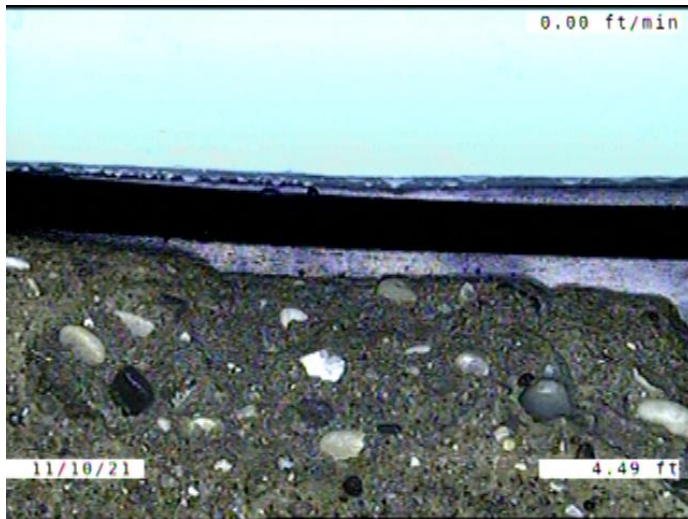
Distance (ft): **.0**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:



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

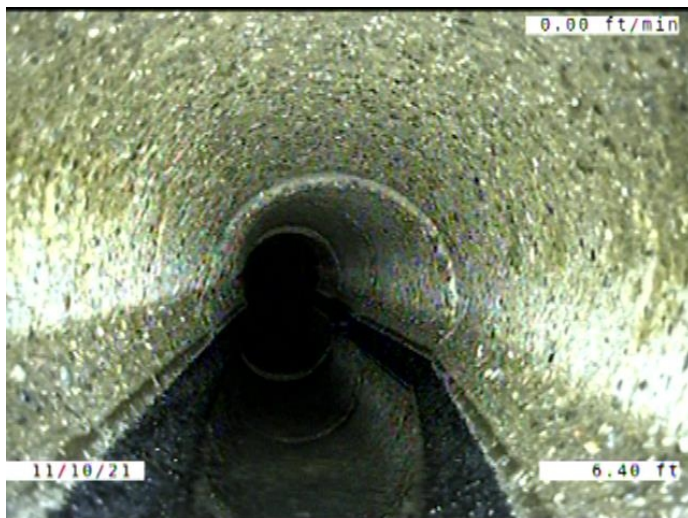
Distance (ft): **1.5**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks: **CHANNEL BUILT TO SMALL FOR THE CRAWLER TO FIT IN IT. HAD TO STAR**

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

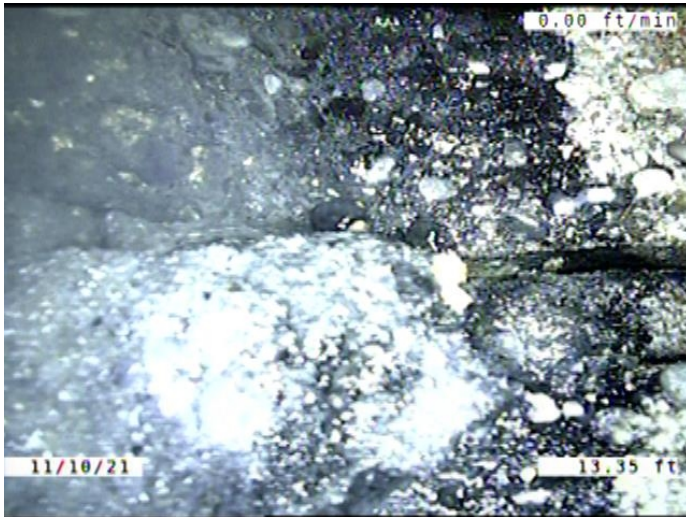
Distance (ft): **4.5**  
 Structural Grade: **0**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks: **PVC TO CONCRETE**



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

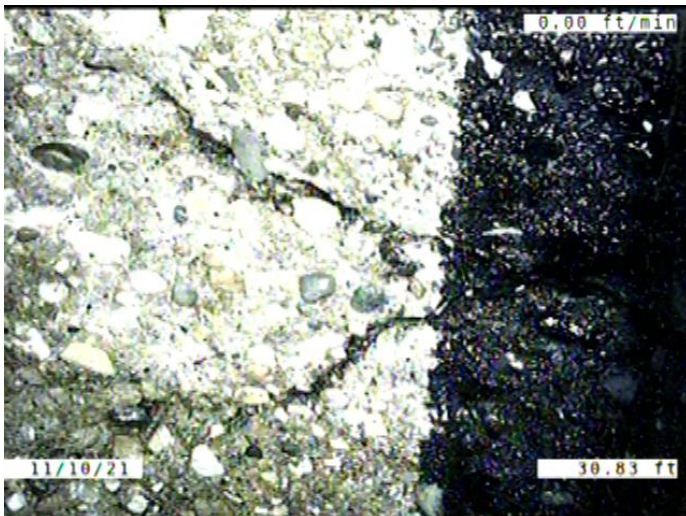
Distance (ft): **6.4**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **15.000**  
 Continuous Index: **S01**  
 Within 8" of Joint: **NO**  
 Remarks:





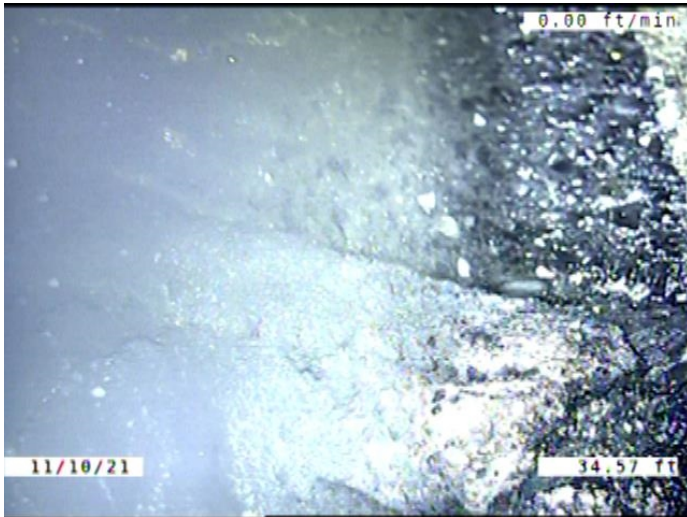
Code: **DAE**  
 Description: **Deposits Attached Encrustation**

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:



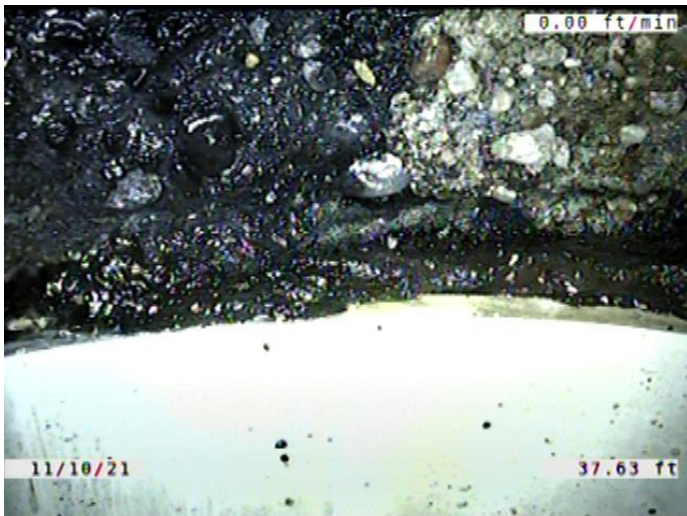
Code: **FM**  
 Description: **Fracture Multiple**

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:



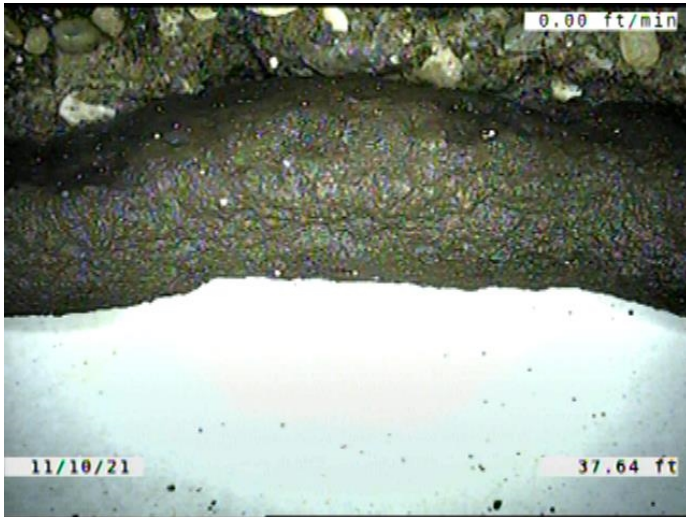
Code: **DAE**  
 Description: **Deposits Attached Encrustation**

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**

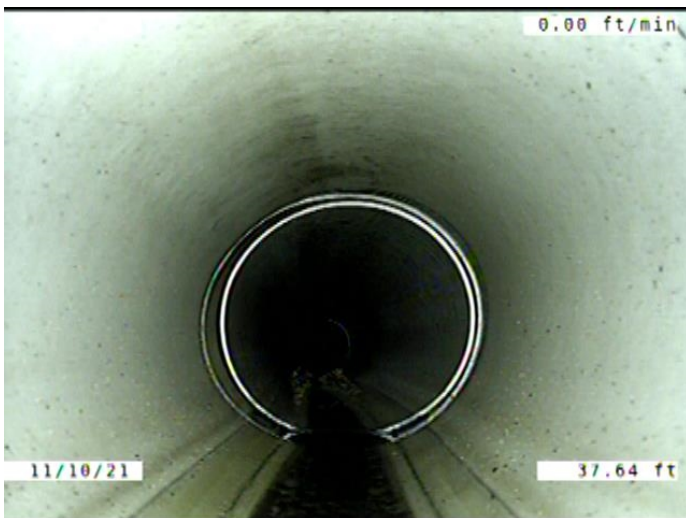
Distance (ft): **37.6**  
 Structural Grade: **0**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks: **CONCRETE TO PVC**



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:

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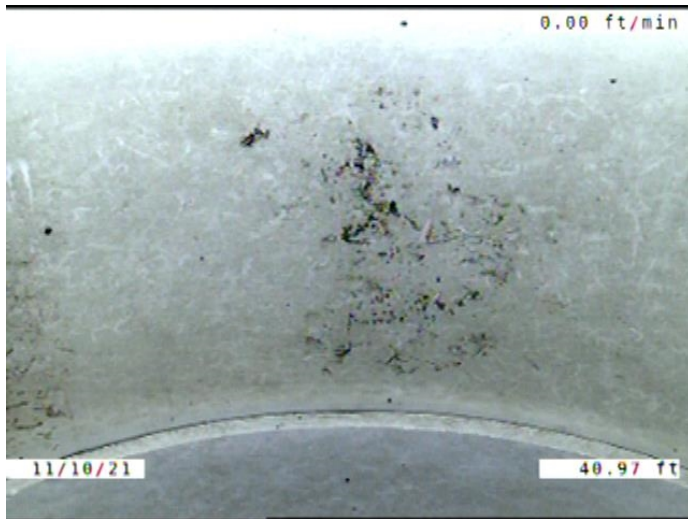


Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

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:

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

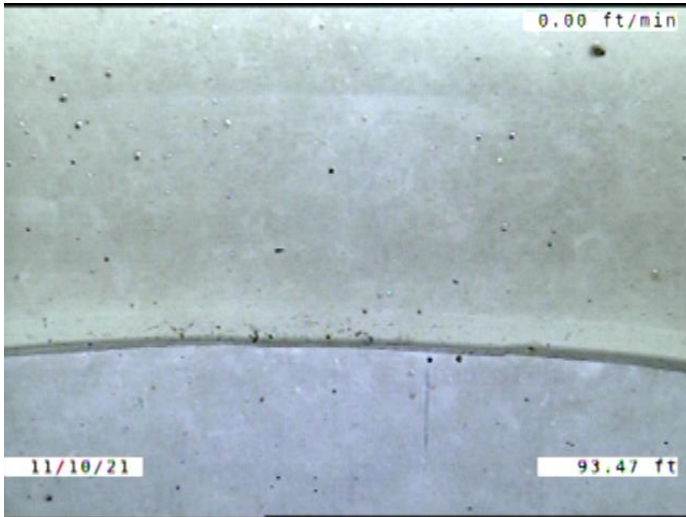
Distance (ft): **41.0**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks: **JOINT/ PIPES NOT PUSHED ALL THE WAY TOGETHER WHEN INSTALLED**



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:

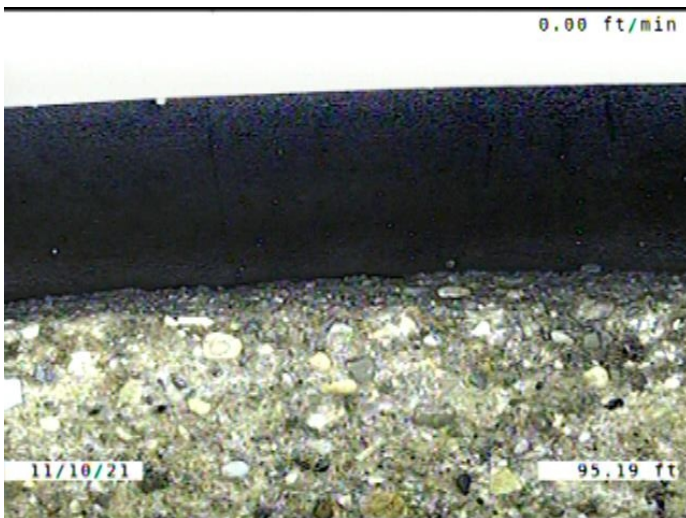




Code: **MGO**  
Description: **Miscellaneous General Observation**

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**

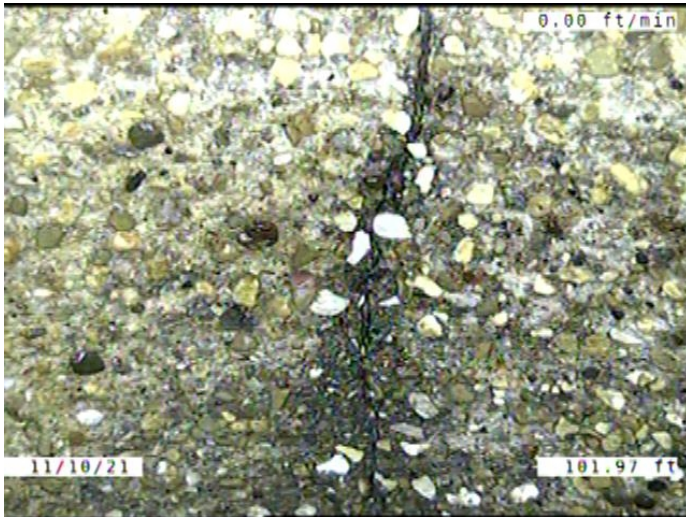
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Code: **MMC**  
Description: **Miscellaneous Material Change**

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**

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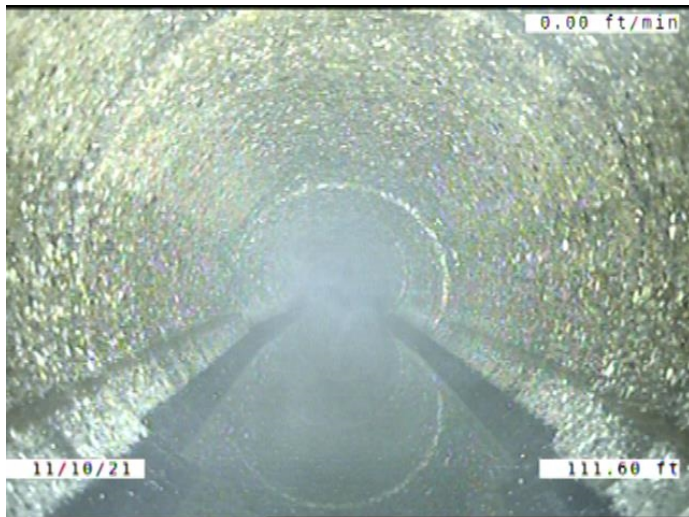
Code: **FS**  
Description: **Fracture Spiral**

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:



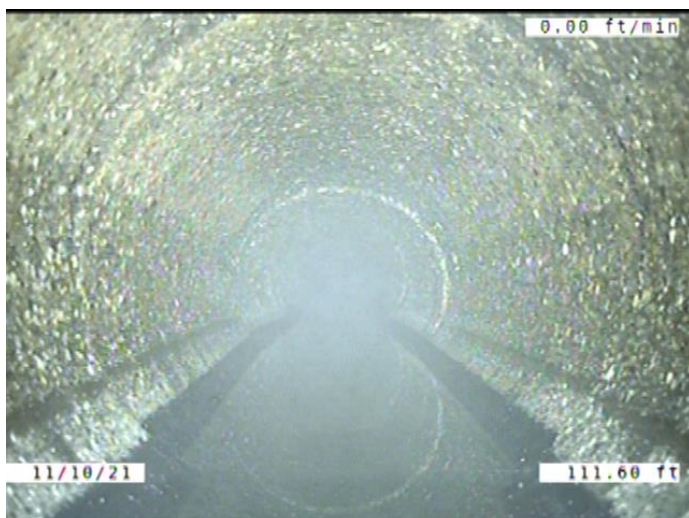
Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

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**

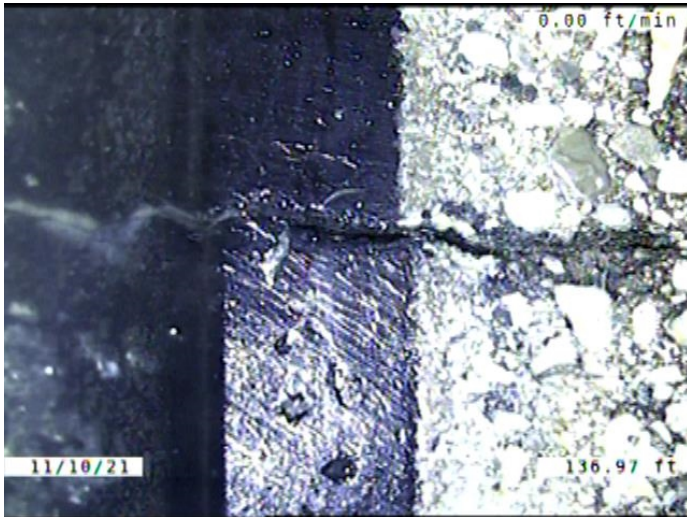
Distance (ft): **111.6**  
 Structural Grade: **3**  
 O&M Grade: **0**  
 Clock Start/From: **11**  
 Clock To: **1**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index: **F03**  
 Within 8" of Joint: **YES**  
 Remarks:



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

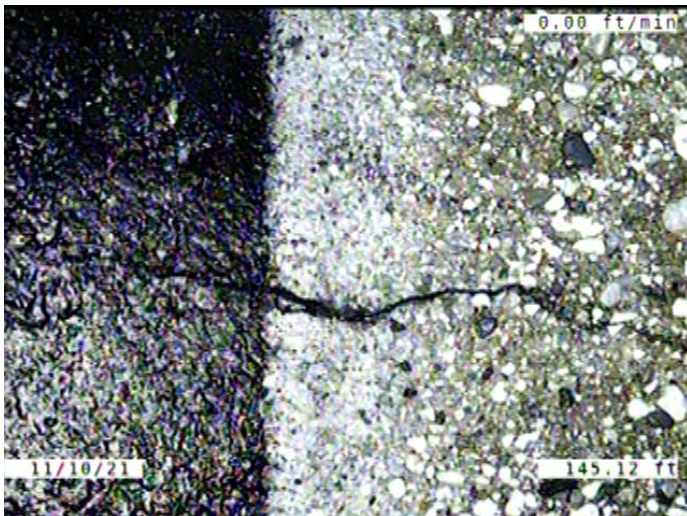
Distance (ft): **111.6**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **10.000**  
 Continuous Index: **S04**  
 Within 8" of Joint: **NO**  
 Remarks:





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

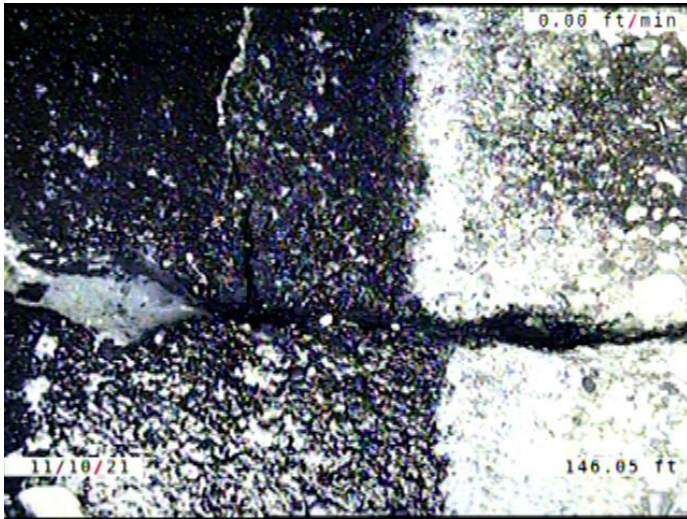
Distance (ft): **137.0**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **12**  
 Clock To: **12**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:



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:

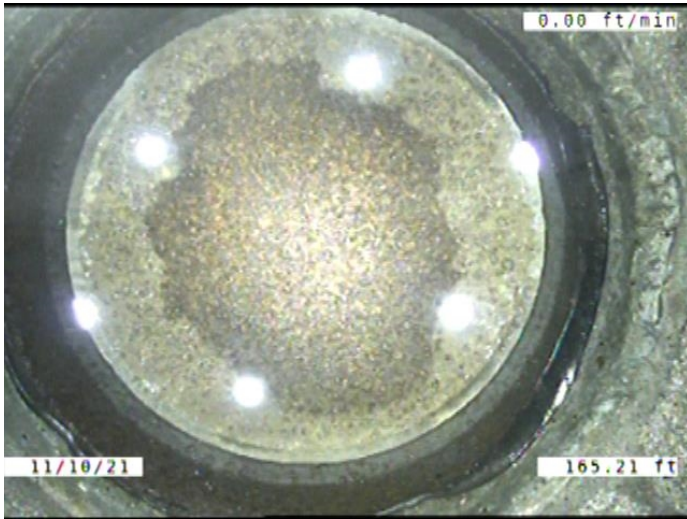
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Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

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:

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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