

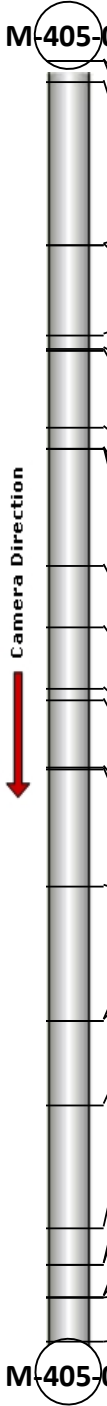
## Profile/Photo Observation Report

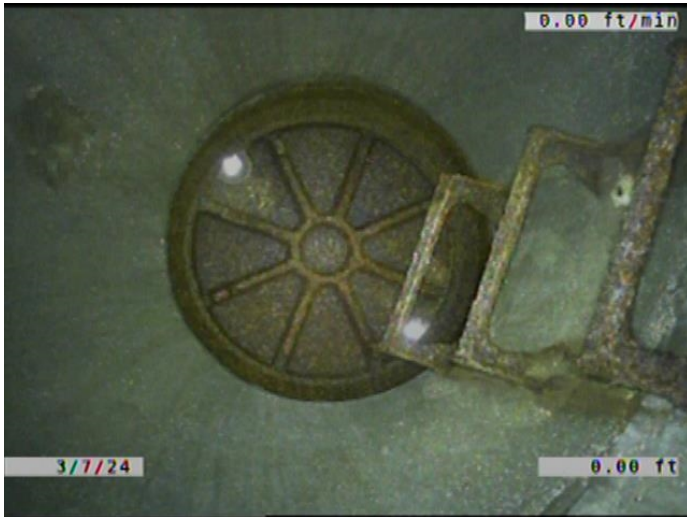


Date:	<b>03/07/2024</b>	Weather:		Coding:	<b>PACP 7.0</b>
Pipe Length (ft):	<b>84.0</b>	Owner:	<b>City of Hobart</b>	Pre Clean:	<b>Heavy Cleaning</b>
P.O.#:		Surveyor:	<b>S. Bucklin</b>	PSR:	<b>P-405-060-059</b>
Customer:	<b>City of Hobart</b>	Clean Date:	<b>09/19/2023</b>	Shape:	<b>C</b>

Street:	<b>CRESTWOOD DR</b>	Flow Control:	<b>Not Controlled</b>
City:	<b>Hobart, IN</b>	Year Renewed:	
Location:	<b>Easement/Right of Way</b>	Tape/Media #:	
Purpose:	<b>Sewer System Evaluation Survey (SS</b>	Dia/Height:	<b>10"</b>
Use:	<b>Sanitary Sewage Pipe</b>	Material:	<b>VCP</b>
Drain Area:		Lining:	<b>None</b>
Category:	<b>NA</b>		
Comment:			
Location Details:		Direction of Survey:	<b>Upstream</b>
US MH:	<b>M-405-059</b>	DS MH:	<b>M-405-060</b>
		Total Length Surveyed (ft):	<b>82.4</b>

O&M Index:	<b>1.30</b>	O&M Quick:	<b>3124</b>	O&M Rating:	<b>26.00</b>
Structural Index:	<b>2.45</b>	Structural Quick:	<b>4235</b>	Structural Rating:	<b>49.00</b>
Overall Index:	<b>1.88</b>	Overall Quick:	<b>4236</b>	Overall Rating:	<b>75.00</b>

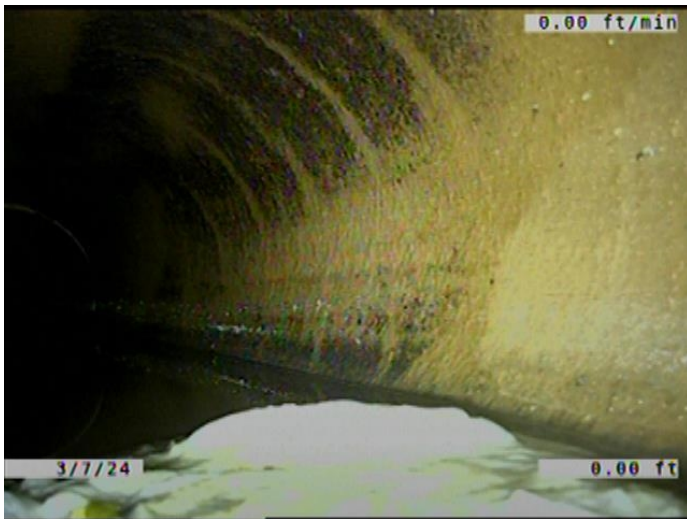
	Position	Code	Observation	Video (sec)	Grade
	.0	AMH	Manhole	0	NA
	.0	MWL	Miscellaneous Water Level	89	NA
	1.4	MWLS(S01)	Miscellaneous Water Level Sag	115	S 2
	11.9	JOMD	Joint Offset Medium Defective	215	S 3
	11.9	RFJ	Roots Fine Joint	230	M 1
	17.7	TFC	Tap Factory Capped	330	NA
	18.5	RFJ	Roots Fine Joint	373	M 1
	18.6	JAM	Joint Angular Medium	412	S 3
	23.6	TF	Tap Factory	468	NA
	24.9	JAM	Joint Angular Medium	526	S 3
	24.9	RFJ(S02)	Roots Fine Joint	537	M 1
	24.9	MWLS(F01)	Miscellaneous Water Level Sag	550	S 2
	32.5	MWLS(S03)	Miscellaneous Water Level Sag	603	S 2
	36.5	LR	Line Right	630	M 1
	40.4	MWLS(F03)	Miscellaneous Water Level Sag	661	S 2
	41.2	B	Broken	698	S 4
	45.5	JAM	Joint Angular Medium	767	S 3
	45.6	MWLS(S04)	Miscellaneous Water Level Sag	808	S 2
	53.1	LR	Line Right	856	M 1
	61.8	JOMD	Joint Offset Medium Defective	951	S 3
	61.8	DAE	Deposits Attached Encrustation	964	M 2
	67.2	DSF	Deposits Settled Fine	1009	M 2
	75.1	TFD	Tap Factory Defective	1075	M 3
	77.5	MWLS(F04)	Miscellaneous Water Level Sag	1121	S 2
	77.5	RFJ(F02)	Roots Fine Joint	1132	M 1
	79.5	B	Broken	1203	S 4
	79.6	DAE	Deposits Attached Encrustation	1230	M 2
	79.6	DAE	Deposits Attached Encrustation	1269	M 2
	82.4	AMH	Manhole	1401	NA
M-405-059					



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-405-060**

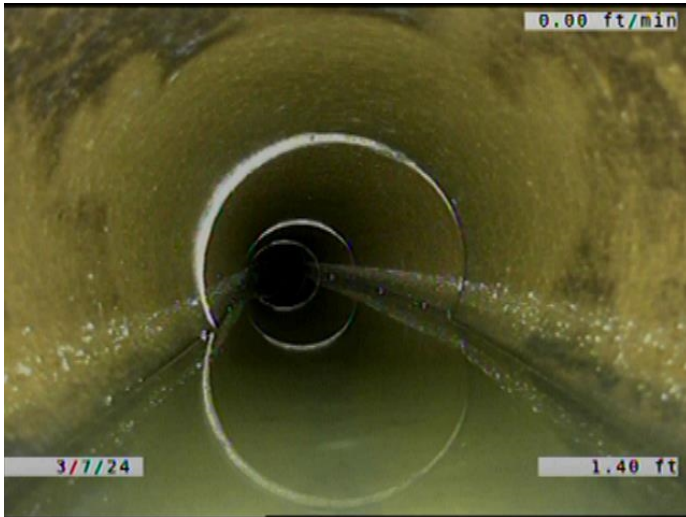
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Code: **MWL**  
Description: **Miscellaneous Water Level**

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

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

Distance (ft): **1.4**  
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:

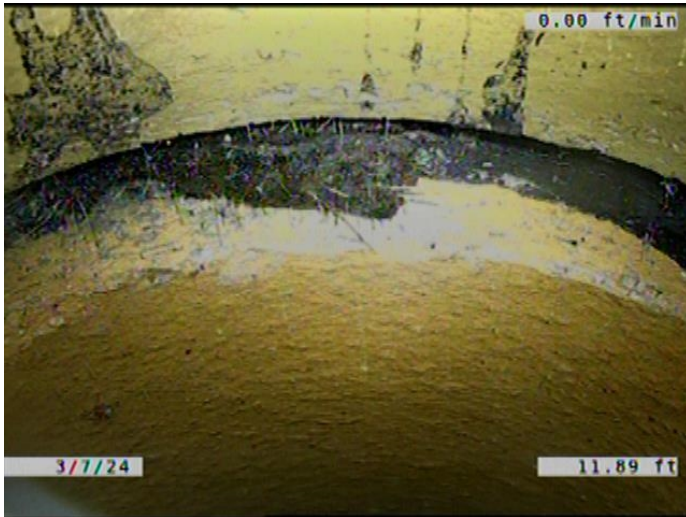
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Code: **JOMD**  
Description: **Joint Offset Medium Defective**

Distance (ft): **11.9**  
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:

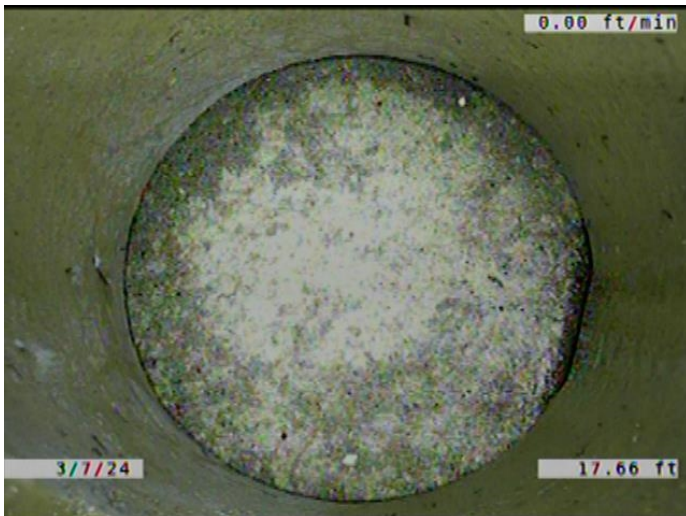
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Code: **RFJ**  
Description: **Roots Fine Joint**

Distance (ft): **11.9**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **11**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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

Distance (ft): **17.7**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From: **2**  
Clock To:  
1st Value: **6.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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Code: **RFJ**  
Description: **Roots Fine Joint**

Distance (ft): **18.5**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **9**  
Clock To: **11**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

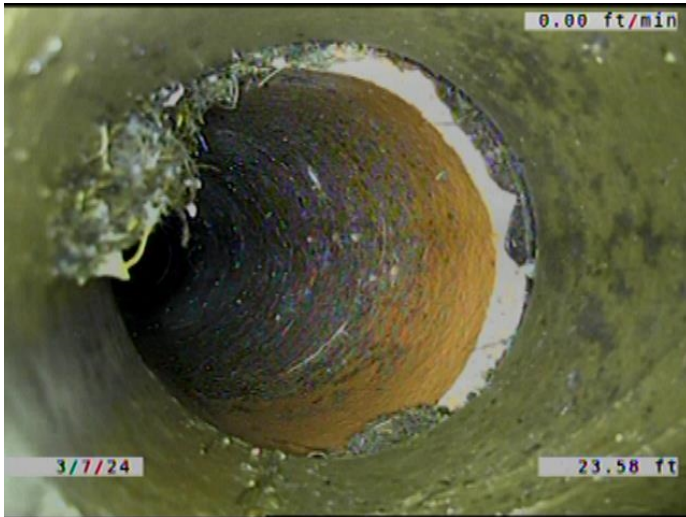
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Code: **JAM**  
Description: **Joint Angular Medium**

Distance (ft): **18.6**  
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:

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

Distance (ft): **23.6**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From: **10**  
Clock To:  
1st Value: **6.000**

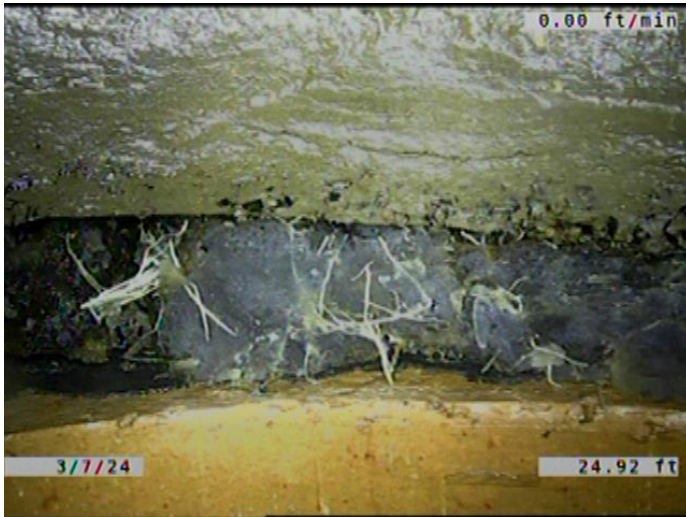
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks: **ROOTS GROWING IN THE SERVICE TO MAIN CONNECTION.**



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

Distance (ft): **24.9**  
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: **RFJ**  
Description: **Roots Fine Joint**

Distance (ft): **24.9**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **8**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **S02**  
Within 8" of Joint: **YES**  
Remarks:

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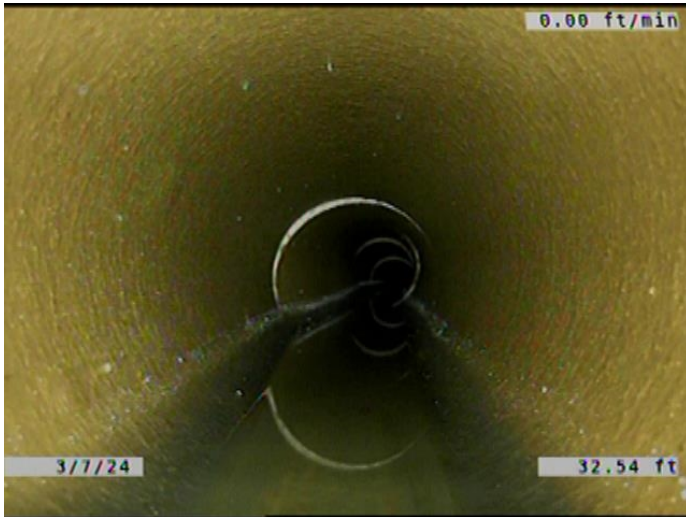


Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

Distance (ft): **24.9**  
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:

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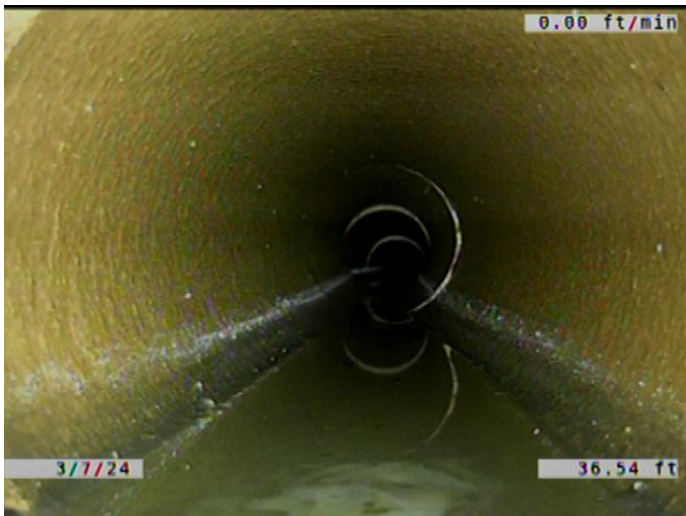




Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

Distance (ft): **32.5**  
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:

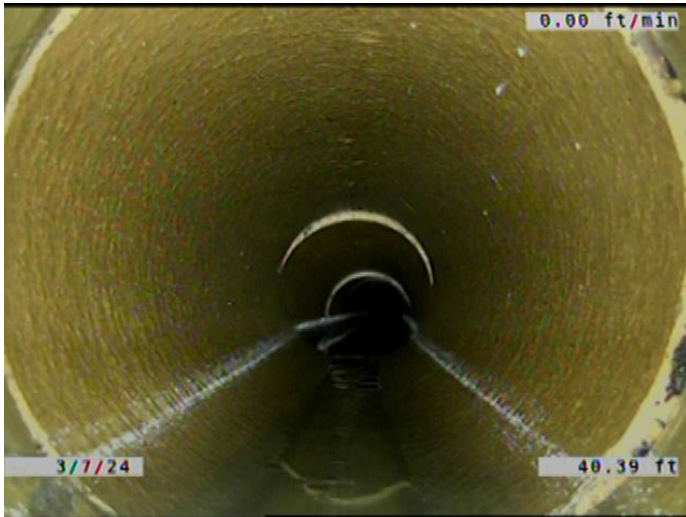
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Code: **LR**  
Description: **Line Right**

Distance (ft): **36.5**  
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:

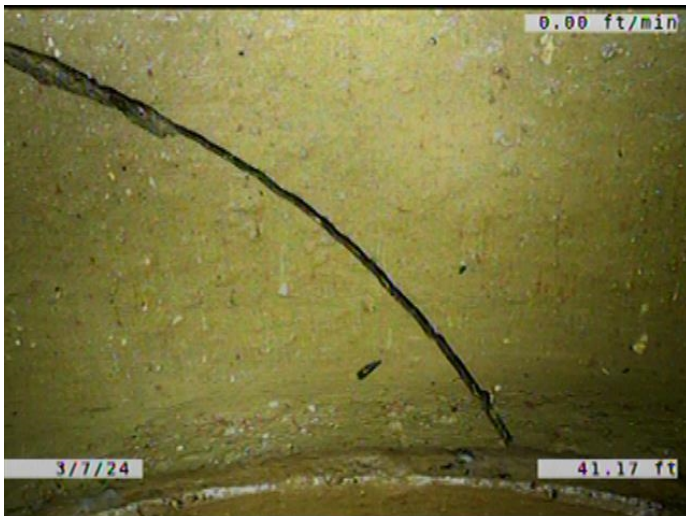
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Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

Distance (ft): **40.4**  
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:

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

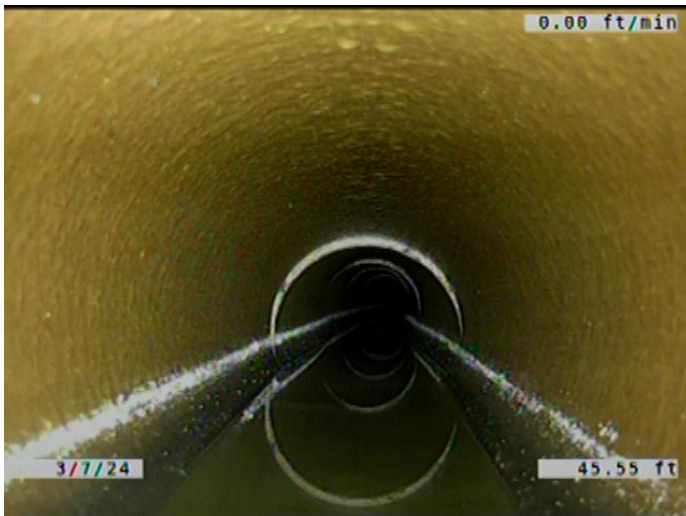
Distance (ft): **41.2**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **8**  
Clock To: **10**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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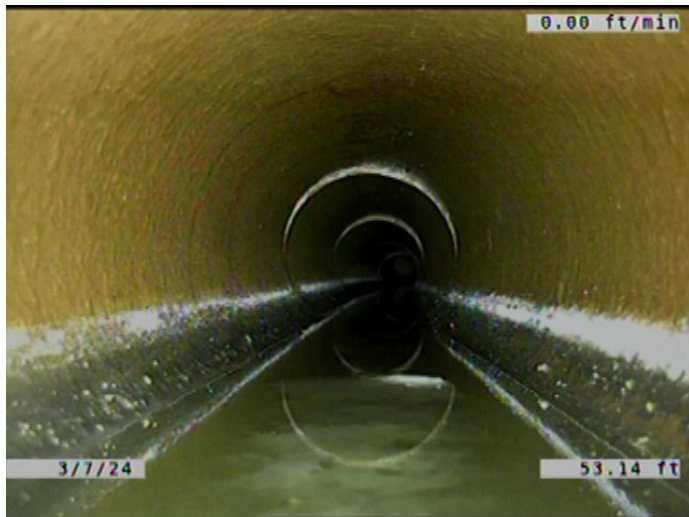
Code: **JAM**  
Description: **Joint Angular Medium**

Distance (ft): **45.5**  
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:



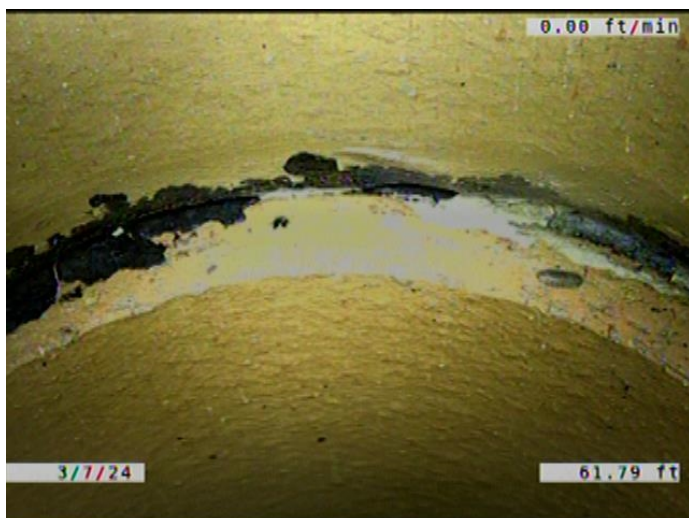
Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

Distance (ft): **45.6**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **15.000**  
Continuous Index: **S04**  
Within 8" of Joint: **NO**  
Remarks:



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

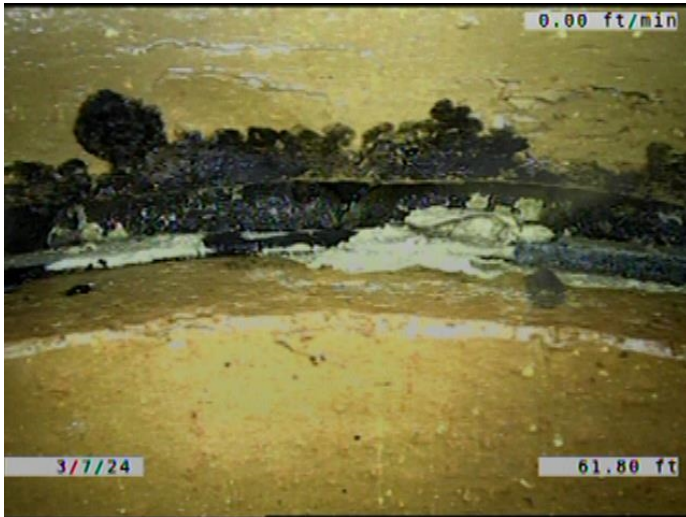
Distance (ft): **53.1**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:



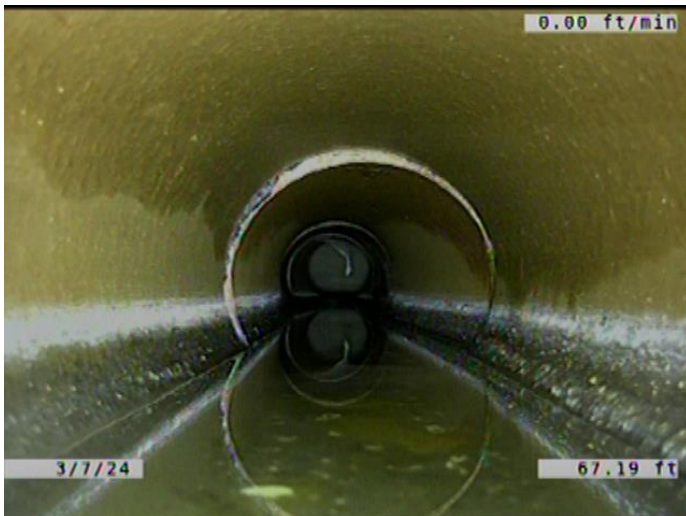
Code: **JOMD**  
 Description: **Joint Offset Medium Defective**

Distance (ft): **61.8**  
 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:

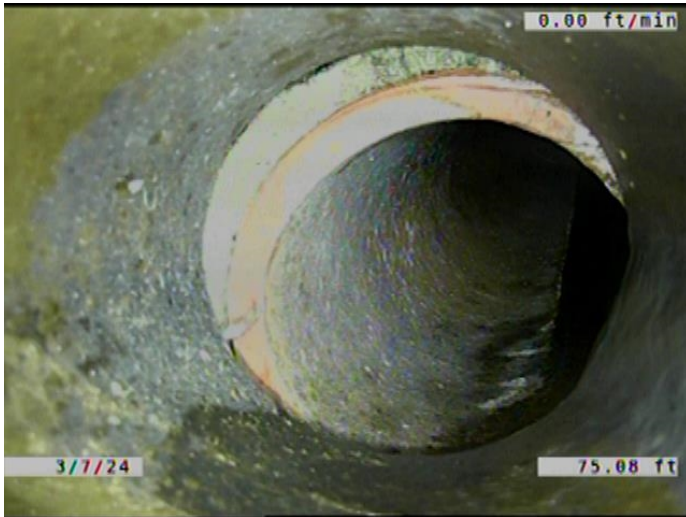




Code:	<b>DAE</b>
Description:	<b>Deposits Attached Encrustation</b>
Distance (ft):	<b>61.8</b>
Structural Grade:	<b>0</b>
O&M Grade:	<b>2</b>
Clock Start/From:	<b>7</b>
Clock To:	<b>5</b>
1st Value:	
2nd Value:	
Value Percent:	<b>5.000</b>
Continuous Index:	
Within 8" of Joint:	<b>YES</b>
Remarks:	



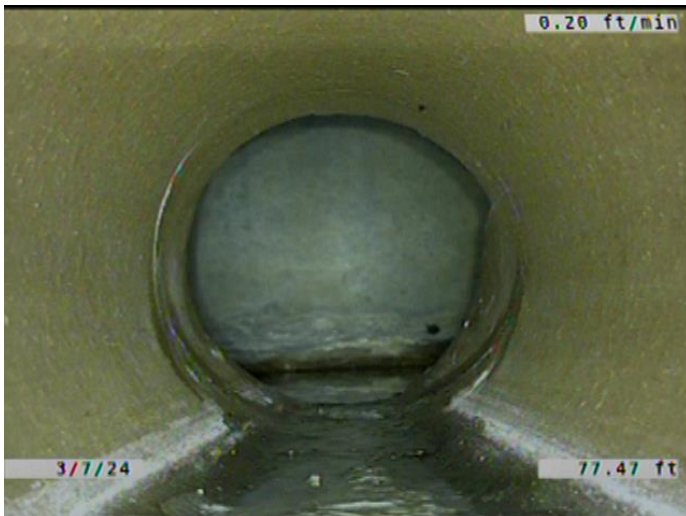
Code:	<b>DSF</b>
Description:	<b>Deposits Settled Fine</b>
Distance (ft):	<b>67.2</b>
Structural Grade:	<b>0</b>
O&M Grade:	<b>2</b>
Clock Start/From:	<b>5</b>
Clock To:	<b>7</b>
1st Value:	
2nd Value:	
Value Percent:	<b>5.000</b>
Continuous Index:	
Within 8" of Joint:	<b>YES</b>
Remarks:	



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

Distance (ft): **75.1**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **2**  
Clock To:  
1st Value: **6.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks: **ACTIVITY. SERVICE LARGE OFFSET. SOIL VISIBLE. SERVICE CONSTANTLY**

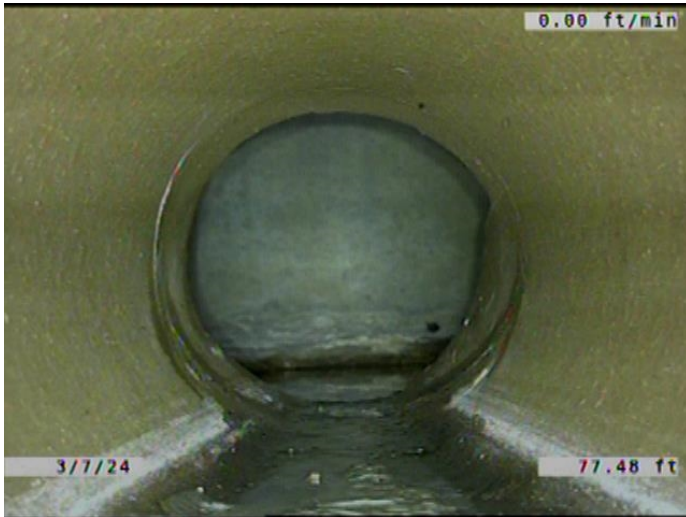
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Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

Distance (ft): **77.5**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **15.000**  
Continuous Index: **F04**  
Within 8" of Joint: **NO**  
Remarks:

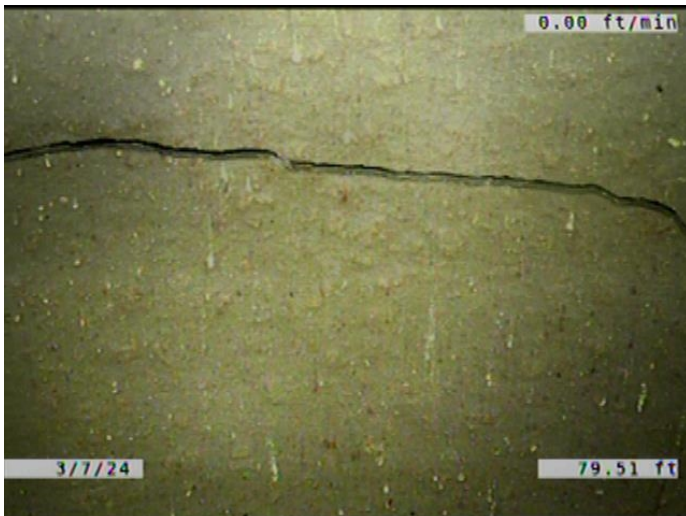
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Code: **RFJ**  
Description: **Roots Fine Joint**

Distance (ft): **77.5**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **8**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **F02**  
Within 8" of Joint: **YES**  
Remarks:

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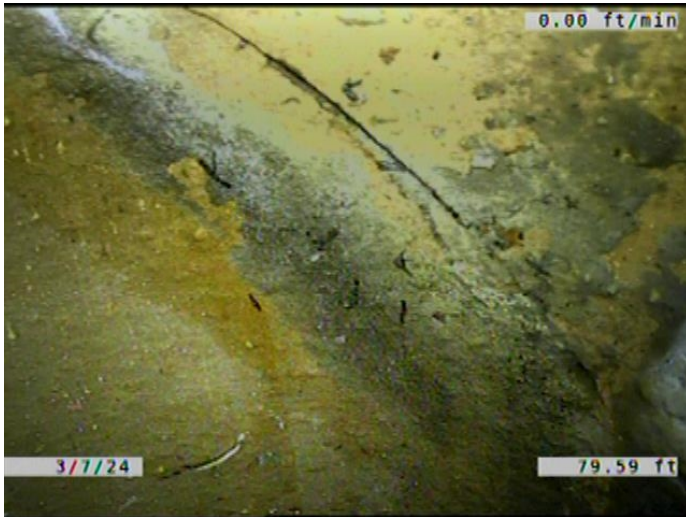


Code: **B**  
Description: **Broken**

Distance (ft): **79.5**  
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: **YES**  
Remarks:

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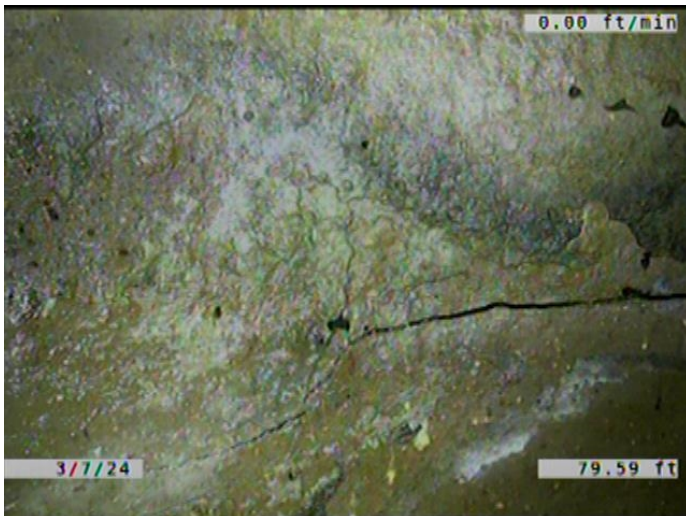




Code: **DAE**  
Description: **Deposits Attached Encrustation**

Distance (ft): **79.6**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **2**  
Clock To: **6**  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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

Distance (ft): **79.6**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **7**  
Clock To: **11**  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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Code:	AMH
Description:	Manhole
Distance (ft):	82.4
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-405-059