

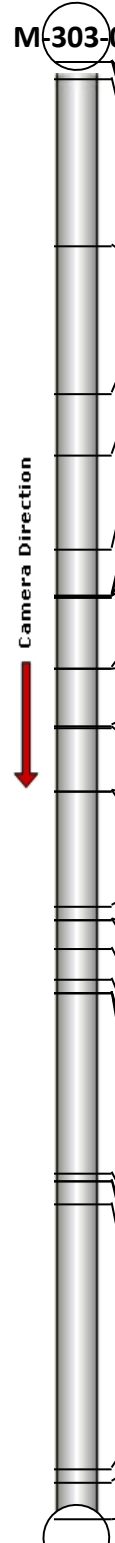
## Profile/Photo Observation Report

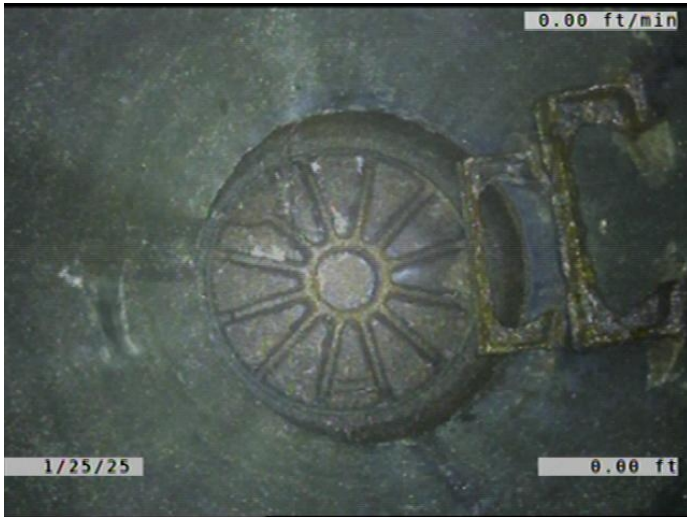


Date:	<b>01/25/2025</b>	Weather:		Coding:	<b>PACP 7.0</b>
Pipe Length (ft):	<b>268.0</b>	Owner:	<b>City of Hobart</b>	Pre Clean:	<b>Heavy Cleaning</b>
P.O.#:	<b>YES502259</b>	Surveyor:	<b>S. Bucklin</b>	PSR:	<b>P-303-003-002</b>
Customer:	<b>City of Hobart</b>	Clean Date:	<b>10/18/2024</b>	Shape:	<b>C</b>

Street:	<b>West Old Ridge Road</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>18"</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>Downstream</b>
US MH:	<b>M-303-003</b>	DS MH:	<b>M-303-002</b>
		Total Length Surveyed (ft):	<b>245.1</b>

O&M Index:	<b>1.38</b>	O&M Quick:	<b>3628</b>	O&M Rating:	<b>72.00</b>
Structural Index:	<b>3.56</b>	Structural Quick:	<b>4632</b>	Structural Rating:	<b>32.00</b>
Overall Index:	<b>1.70</b>	Overall Quick:	<b>4638</b>	Overall Rating:	<b>104.00</b>

	Position	Code	Observation	Video (sec)	Grade
	M-303-003				
	.0	AMH	Manhole	0	NA
	.0	MWL	Miscellaneous Water Level	105	NA
	.0	LD	Line Down	113	M 1
	4.7	MWL	Miscellaneous Water Level	146	NA
	32.8	RFJ	Roots Fine Joint	267	M 1
	57.9	RMJ	Roots Medium Joint	382	M 3
	68.0	RFJ(S03)	Roots Fine Joint	494	M 1
	83.9	TFD	Tap Factory Defective	580	M 3
	91.6	CS	Crack Spiral	642	S 2
	91.8	TFD	Tap Factory Defective	663	M 3
	91.9	ISB	Infiltration Stain Barrel	690	M 1
	91.9	RTL	Roots Tap Lateral	702	M 2
	104.0	FM(S01)	Fracture Multiple	833	S 4
	104.0	DAE(S02)	Deposits Attached Encrustation	844	M 2
	113.8	FM(F01)	Fracture Multiple	903	S 4
	113.9	DAE(F02)	Deposits Attached Encrustation	913	M 2
	124.6	FS	Fracture Spiral	978	S 3
	124.6	DAE	Deposits Attached Encrustation	991	M 2
	144.0	B(S04)	Broken	1111	S 4
	146.2	TBI	Tap Break-in Intruding	1148	M 2
	146.2	RFB(S05)	Roots Fine Barrel	1163	M 2
	151.0	DAE(S06)	Deposits Attached Encrustation	1225	M 2
	156.3	TFD	Tap Factory Defective	1273	M 3
	158.4	B(F04)	Broken	1303	S 4
	158.4	RFB(F05)	Roots Fine Barrel	1312	M 2
	158.4	DAE(F06)	Deposits Attached Encrustation	1320	M 2
	189.0	B(S07)	Broken	1467	S 4
	190.1	RMC	Roots Medium Connection	1506	M 3
	190.2	TBD	Tap Break-in/Hammer Defective	1537	M 3
	194.1	B(F07)	Broken	1586	S 4
	238.7	FL	Fracture Longitudinal	1758	S 3
	240.8	RFJ(F03)	Roots Fine Joint	1779	M 1
	245.1	AMH	Manhole	1943	NA
	M-303-002				



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-303-003**

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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: **LD**  
Description: **Line Down**

Distance (ft): **.0**  
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:

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

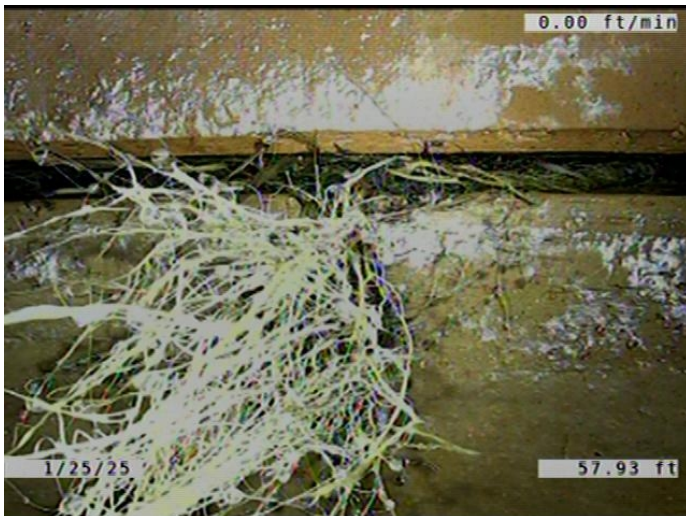
Distance (ft): **4.7**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **25.000**  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

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

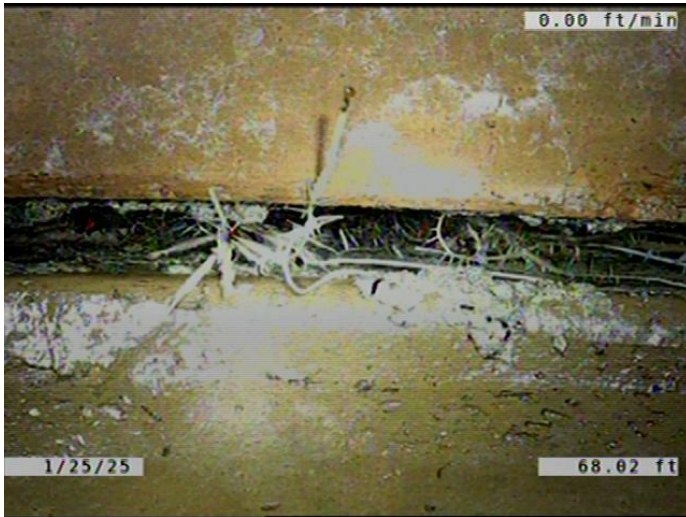
Distance (ft): **32.8**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From: **8**  
 Clock To: **3**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



Code: **RMJ**  
 Description: **Roots Medium Joint**

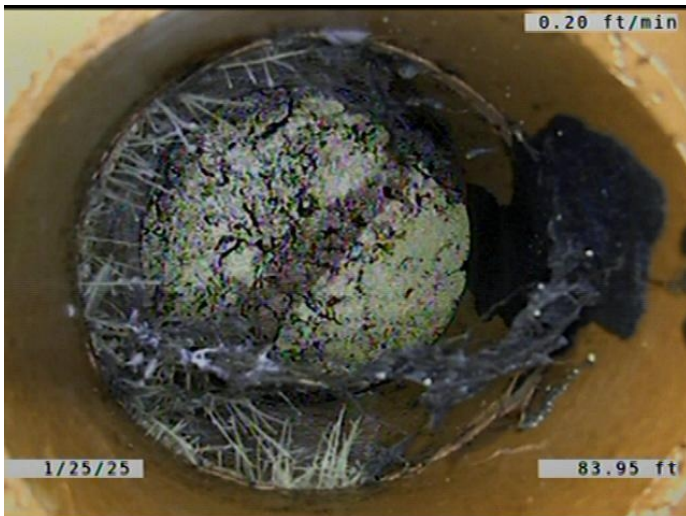
Distance (ft): **57.9**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **10**  
 Clock To: **12**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:





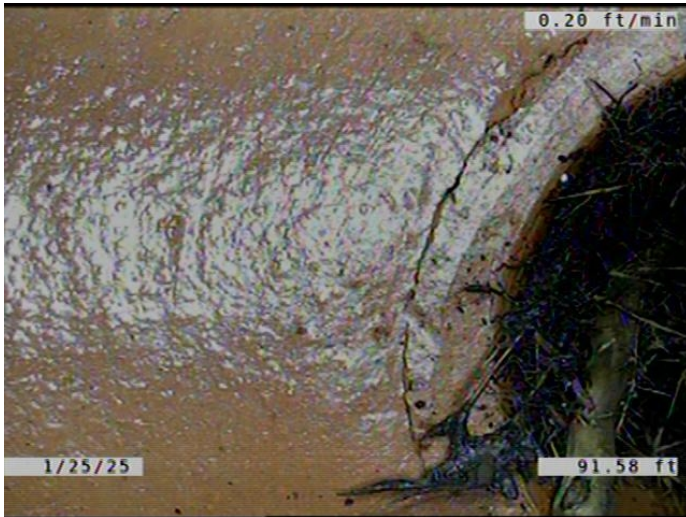
Code: **RFJ**  
 Description: **Roots Fine Joint**

Distance (ft): **68.0**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From: **10**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index: **S03**  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **83.9**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **3**  
 Clock To:  
 1st Value: **6.000**  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks: **CAPPED. ROOTS GROWING IN THE JOINT AND AROUND THE CAP.**



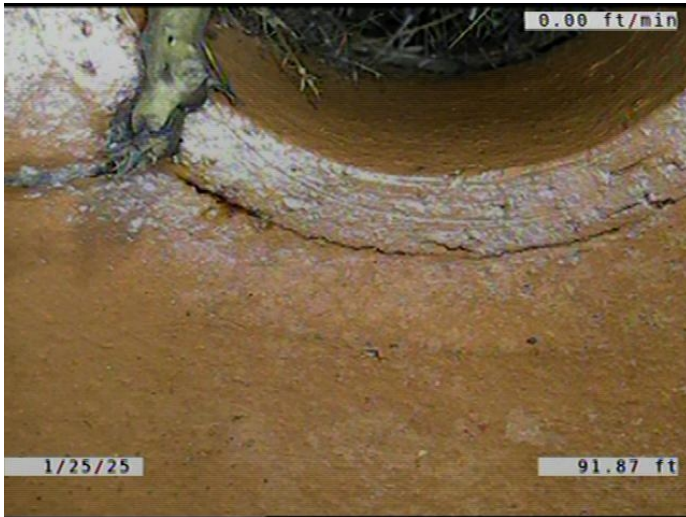
Code: **CS**  
 Description: **Crack Spiral**

Distance (ft): **91.6**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From: **9**  
 Clock To: **11**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:



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

Distance (ft): **91.8**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **10**  
 Clock To:  
 1st Value: **6.000**  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks: **95% PLUGGED WITH ROOTS. ROOTS GROWING FROM THE TAP INTO THE**



Code: **ISB**  
Description: **Infiltration Stain Barrel**

Distance (ft): **91.9**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **9**  
Clock To: **10**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

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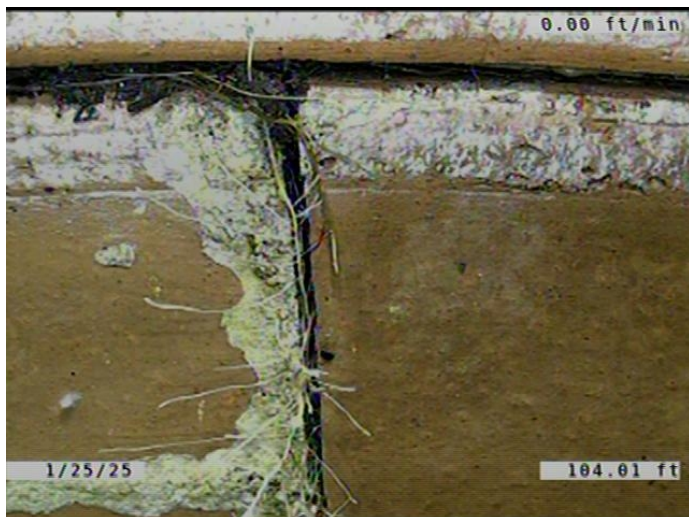


Code: **RTL**  
Description: **Roots Tap Lateral**

Distance (ft): **91.9**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **9**  
Clock To: **10**  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

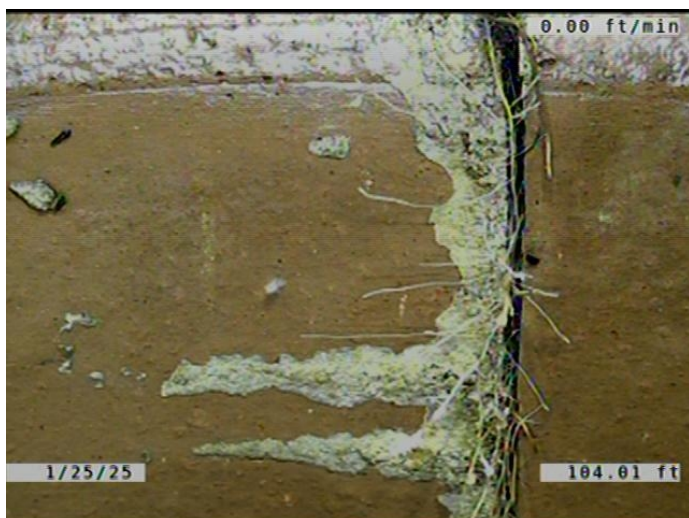
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Code: **FM**  
 Description: **Fracture Multiple**

Distance (ft): **104.0**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **8**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index: **S01**  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **104.0**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **10**  
 Clock To: **12**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index: **S02**  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **113.8**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **8**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index: **F01**  
 Within 8" of Joint: **YES**  
 Remarks:



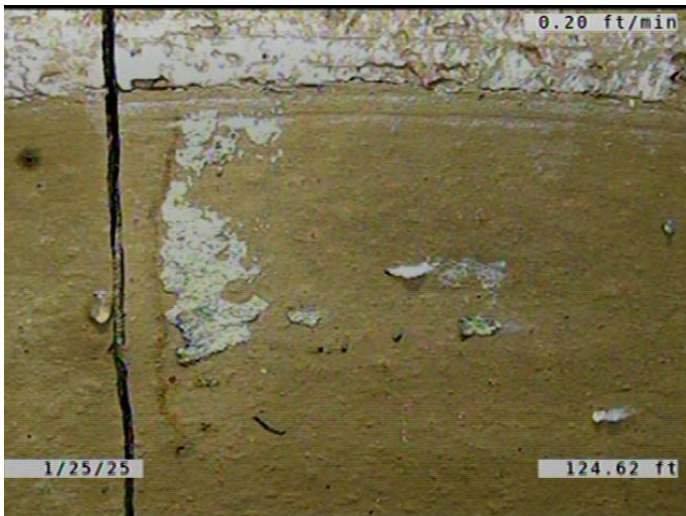
Code: **DAE**  
 Description: **Deposits Attached Encrustation**

Distance (ft): **113.9**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **10**  
 Clock To: **12**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index: **F02**  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **124.6**  
 Structural Grade: **3**  
 O&M Grade: **0**  
 Clock Start/From: **11**  
 Clock To: **12**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **124.6**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **12**  
 Clock To: **1**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:

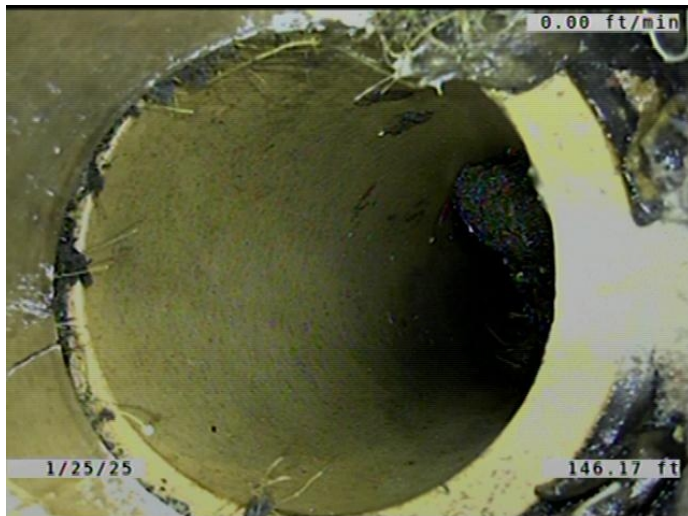




Code: **B**  
Description: **Broken**

Distance (ft): **144.0**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **9**  
Clock To: **3**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **S04**  
Within 8" of Joint: **YES**  
Remarks:

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Code: **TBI**  
Description: **Tap Break-in Intruding**

Distance (ft): **146.2**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **1**  
Clock To:  
1st Value: **6.000**  
2nd Value: **1.000**  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks: **ACTIVITY. DEFECTIVE. ROOTS GROWING IN THE SERVICE AND ARO**

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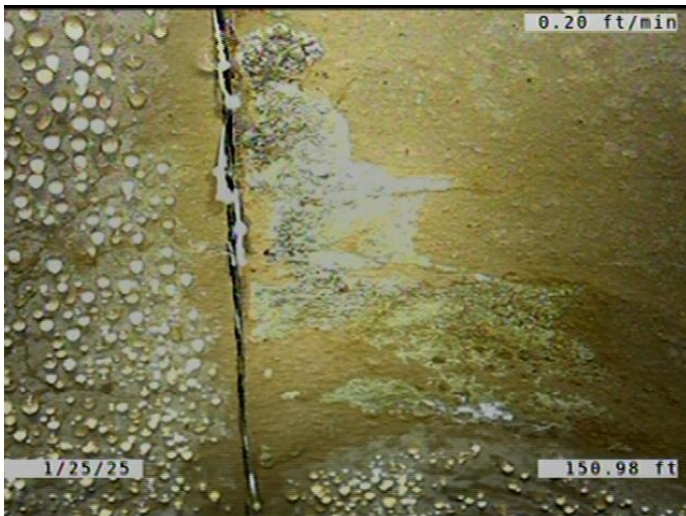




Code: **RFB**  
 Description: **Roots Fine Barrel**

Distance (ft): **146.2**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **11**  
 Clock To: **3**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index: **S05**  
 Within 8" of Joint: **NO**  
 Remarks:

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

Distance (ft): **151.0**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **10**  
 Clock To: **2**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index: **S06**  
 Within 8" of Joint: **YES**  
 Remarks:

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Code:	<b>TFD</b>
Description:	<b>Tap Factory Defective</b>
Distance (ft):	<b>156.3</b>
Structural Grade:	<b>0</b>
O&M Grade:	<b>3</b>
Clock Start/From:	<b>2</b>
Clock To:	
1st Value:	<b>6.000</b>
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	<b>YES</b>
Remarks:	<b>CAPPED. TAP CRACKED. ROOTS GROWING FROM THE JOINT INTO T</b>

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Code:	<b>B</b>
Description:	<b>Broken</b>
Distance (ft):	<b>158.4</b>
Structural Grade:	<b>4</b>
O&M Grade:	<b>0</b>
Clock Start/From:	<b>9</b>
Clock To:	<b>3</b>
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	<b>F04</b>
Within 8" of Joint:	<b>YES</b>
Remarks:	

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Code: **RFB**  
Description: **Roots Fine Barrel**

Distance (ft): **158.4**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **11**  
Clock To: **3**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **F05**  
Within 8" of Joint: **NO**  
Remarks:

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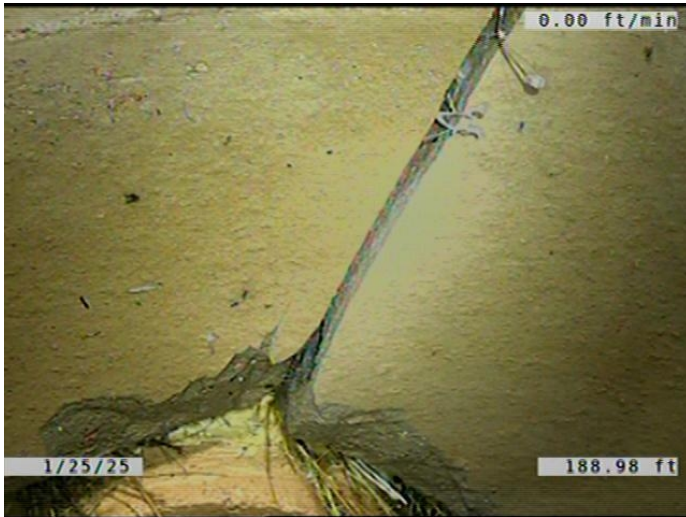


Code: **DAE**  
Description: **Deposits Attached Encrustation**

Distance (ft): **158.4**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **10**  
Clock To: **2**  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index: **F06**  
Within 8" of Joint: **YES**  
Remarks:

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

Distance (ft): **189.0**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **12**  
Clock To: **12**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **S07**  
Within 8" of Joint: **YES**  
Remarks:

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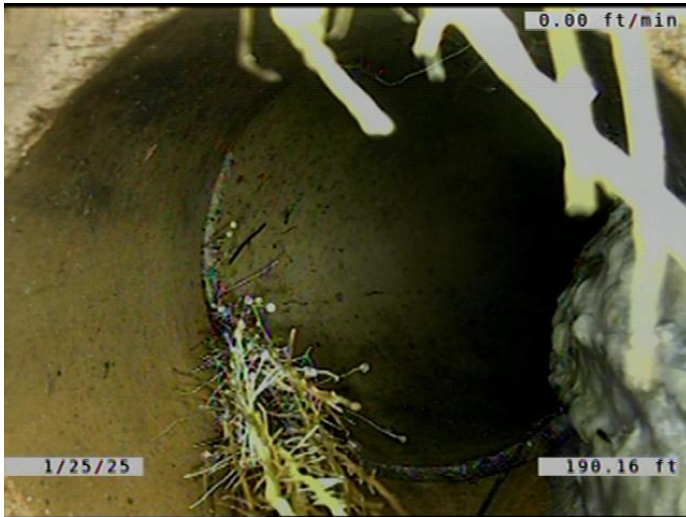


Code: **RMC**  
Description: **Roots Medium Connection**

Distance (ft): **190.1**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **8**  
Clock To: **3**  
1st Value:  
2nd Value:  
Value Percent: **40.000**  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

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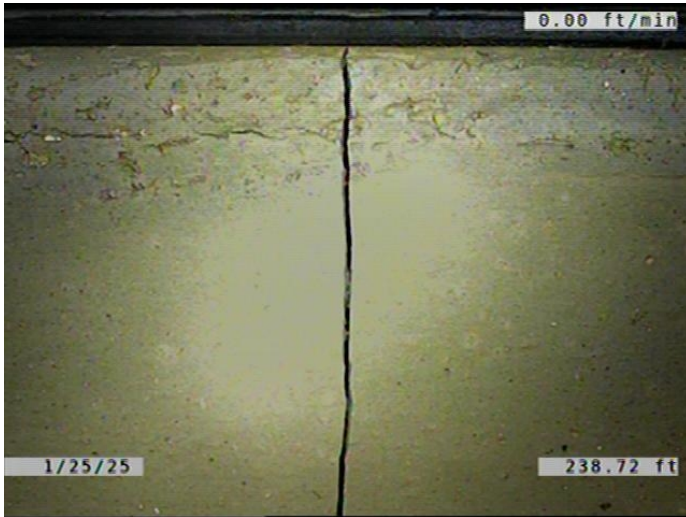
Code:	<b>TBD</b>
Description:	<b>Tap Break-in/Hammer Defective</b>
Distance (ft):	<b>190.2</b>
Structural Grade:	<b>0</b>
O&M Grade:	<b>3</b>
Clock Start/From:	<b>1</b>
Clock To:	
1st Value:	<b>6.000</b>
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	<b>YES</b>
Remarks:	<b>BROKEN. ROOTS GROWING IN THE JOINTS AND FROM THE SERVICE TO</b>

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Code:	<b>B</b>
Description:	<b>Broken</b>
Distance (ft):	<b>194.1</b>
Structural Grade:	<b>4</b>
O&M Grade:	<b>0</b>
Clock Start/From:	<b>12</b>
Clock To:	<b>12</b>
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	<b>F07</b>
Within 8" of Joint:	<b>YES</b>
Remarks:	

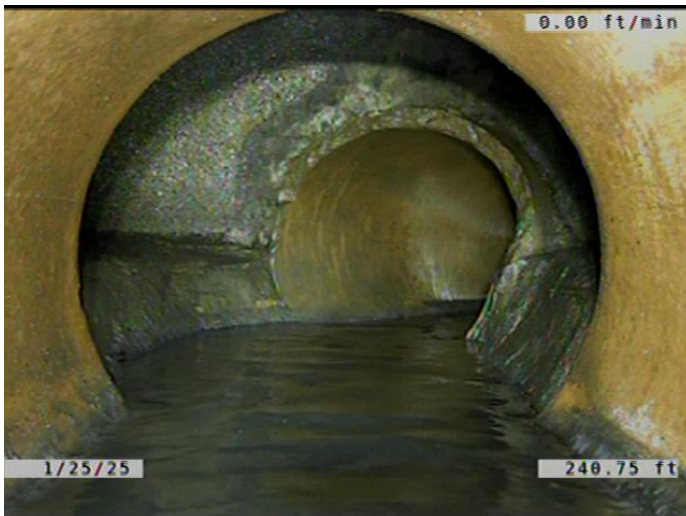
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Code: **FL**  
Description: **Fracture Longitudinal**

Distance (ft): **238.7**  
Structural Grade: **3**  
O&M Grade: **0**  
Clock Start/From: **12**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

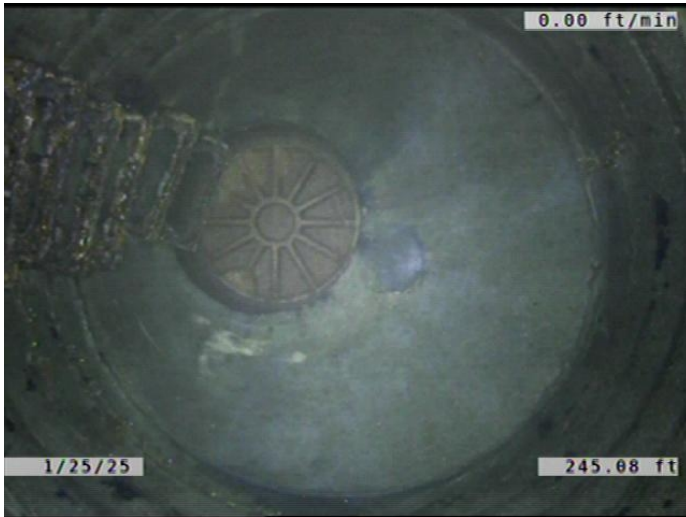
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Code: **RFJ**  
Description: **Roots Fine Joint**

Distance (ft): **240.8**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **10**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **F03**  
Within 8" of Joint: **YES**  
Remarks:

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Code:	<b>AMH</b>
Description:	<b>Manhole</b>
Distance (ft):	<b>245.1</b>
Structural Grade:	<b>0</b>
O&M Grade:	<b>0</b>
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	<b>NO</b>
Remarks:	<b>M-303-002</b>