

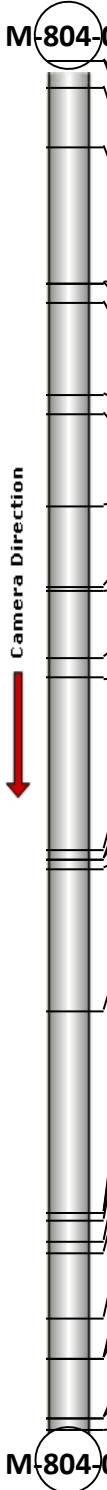
## Profile/Photo Observation Report

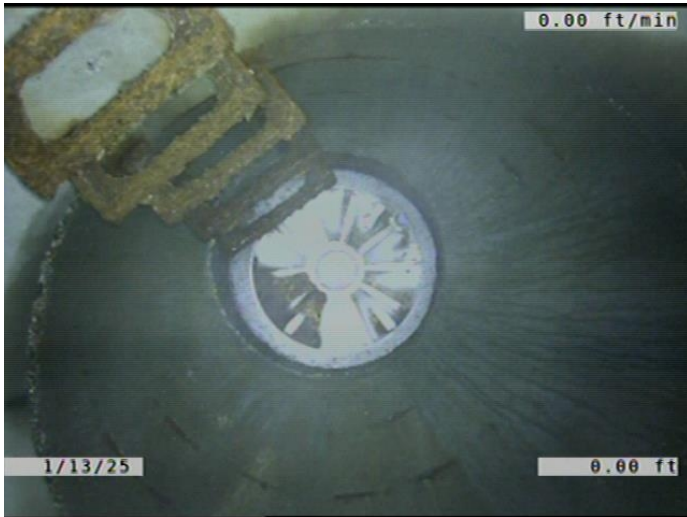


Date:	<b>01/13/2025</b>	Weather:		Coding:	<b>PACP 7.0</b>
Pipe Length (ft):	<b>197.0</b>	Owner:	<b>City of Hobart</b>	Pre Clean:	<b>Heavy Cleaning</b>
P.O.#:	<b>YES502259</b>	Surveyor:	<b>S. Bucklin</b>	PSR:	<b>P-804-039-038</b>
Customer:	<b>City of Hobart</b>	Clean Date:	<b>10/30/2024</b>	Shape:	<b>C</b>

Street:	<b>North Liberty Street</b>	Flow Control:	<b>Not Controlled</b>
City:	<b>Hobart, IN</b>	Year Renewed:	
Location:	<b>Yard</b>	Tape/Media #:	
Purpose:	<b>Sewer System Evaluation Survey (SS</b>	Dia/Height:	<b>12"</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-804-039</b>	DS MH:	<b>M-804-038</b>
		Total Length Surveyed (ft):	<b>198.6</b>

O&M Index:	<b>1.68</b>	O&M Quick:	<b>3527</b>	O&M Rating:	<b>42.00</b>
Structural Index:	<b>2.71</b>	Structural Quick:	<b>4B2E</b>	Structural Rating:	<b>130.00</b>
Overall Index:	<b>2.36</b>	Overall Quick:	<b>4B35</b>	Overall Rating:	<b>172.00</b>

	Position	Code	Observation	Video (sec)	Grade
 Camera Direction					
	.0	AMH	Manhole	0	NA
	.0	MWL	Miscellaneous Water Level	82	NA
	4.0	FM(S02)	Fracture Multiple	208	S 4
	12.4	MWLS(S01)	Miscellaneous Water Level Sag	196	S 2
	32.4	TFD	Tap Factory Defective	371	M 3
	32.4	MWLS(F01)	Miscellaneous Water Level Sag	389	S 2
	35.0	MWLS(S03)	Miscellaneous Water Level Sag	412	S 2
	48.5	MWLS(F03)	Miscellaneous Water Level Sag	481	S 2
	51.3	FM(F02)	Fracture Multiple	505	S 4
	64.5	B(S04)	Broken	576	S 4
	76.2	MWLS(S05)	Miscellaneous Water Level Sag	652	S 2
	76.9	B(F04)	Broken	554	S 4
	86.7	TFD	Tap Factory Defective	730	M 3
	89.5	TFD	Tap Factory Defective	785	M 3
	114.5	MWLS(F05)	Miscellaneous Water Level Sag	914	S 2
	116.0	RFJ(S08)	Roots Fine Joint	965	M 1
	116.0	FM	Fracture Multiple	990	S 4
	117.2	MWLS(S07)	Miscellaneous Water Level Sag	1015	S 2
	137.9	TFC	Tap Factory Capped	1120	NA
	167.2	DSF(S09)	Deposits Settled Fine	1265	M 2
	167.2	FM(S10)	Fracture Multiple	1287	S 4
	168.3	TFD	Tap Factory Defective	1332	M 3
	171.2	TFD	Tap Factory Defective	1394	M 3
	173.1	OBJ	Obstruction Wedged In The Joint	1443	M 2
	182.4	RFJ(F08)	Roots Fine Joint	1501	M 1
	188.4	JOLD	Joint Offset Large Defective	1552	S 4
	188.4	FM(F10)	Fracture Multiple	1568	S 4
	188.4	MMC	Miscellaneous Material Change	1615	NA
	197.0	DSF(F09)	Deposits Settled Fine	1670	M 2
	197.0	MWLS(F07)	Miscellaneous Water Level Sag	1677	S 2
	198.6	AMH	Manhole	1776	NA



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-804-039**

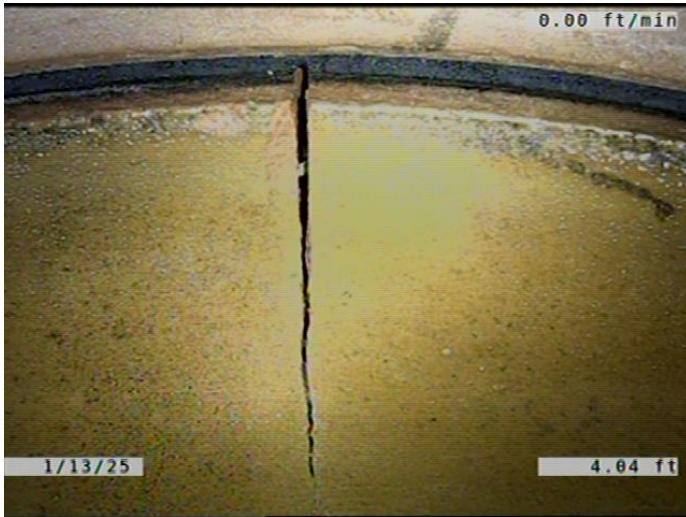
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Code: **MWL**  
Description: **Miscellaneous Water Level**

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

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

Distance (ft): **4.0**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **12**  
Clock To: **12**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **S02**  
Within 8" of Joint: **YES**  
Remarks:

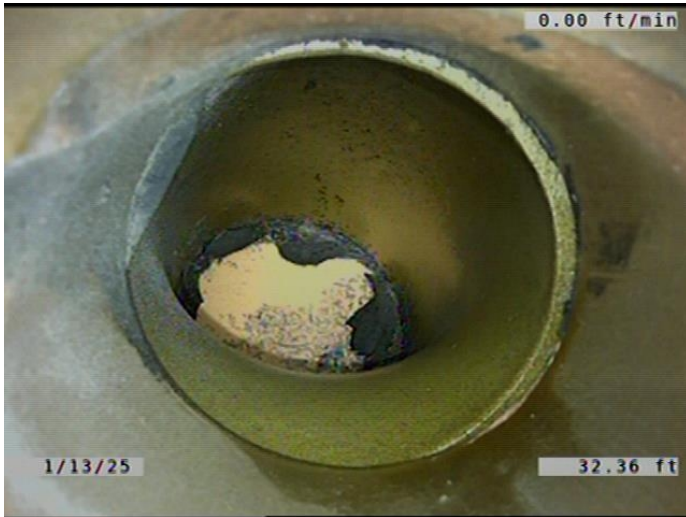
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Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

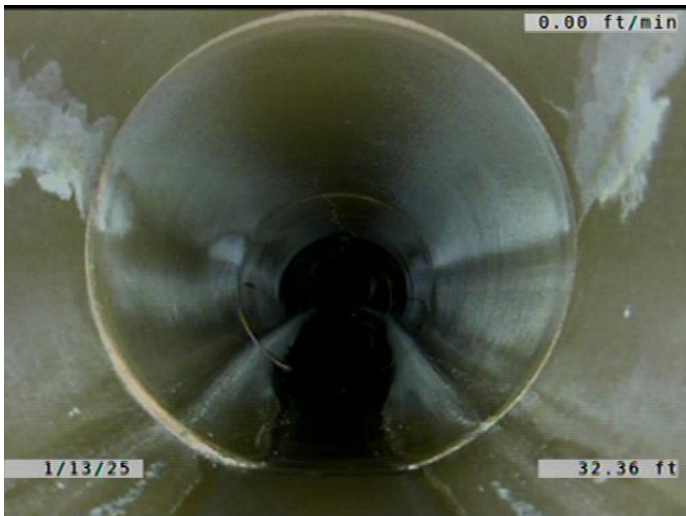
Distance (ft): **12.4**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **15.000**  
Continuous Index: **S01**  
Within 8" of Joint: **NO**  
Remarks:

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

Distance (ft): **32.4**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **11**  
 Clock To:  
 1st Value: **6.000**  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks: **CAPPED. TAP CRACKED.**



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

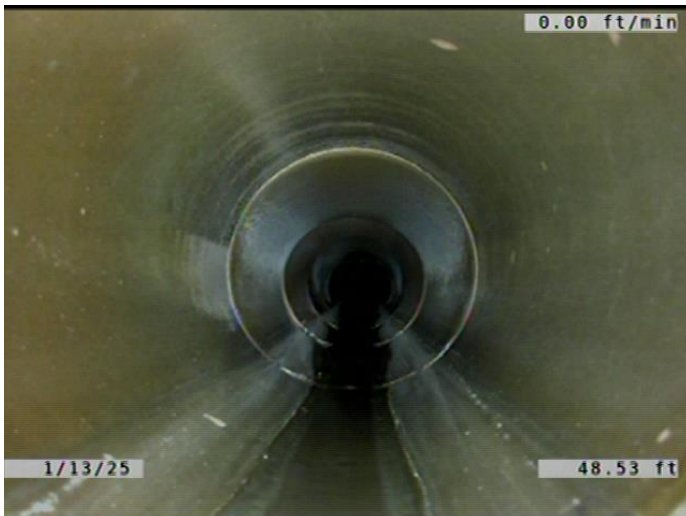
Distance (ft): **32.4**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **15.000**  
 Continuous Index: **F01**  
 Within 8" of Joint: **NO**  
 Remarks:





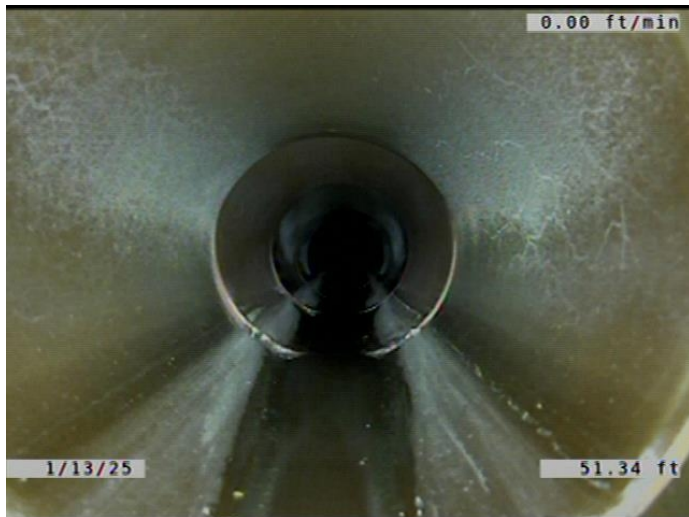
Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

Distance (ft): **35.0**  
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:



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

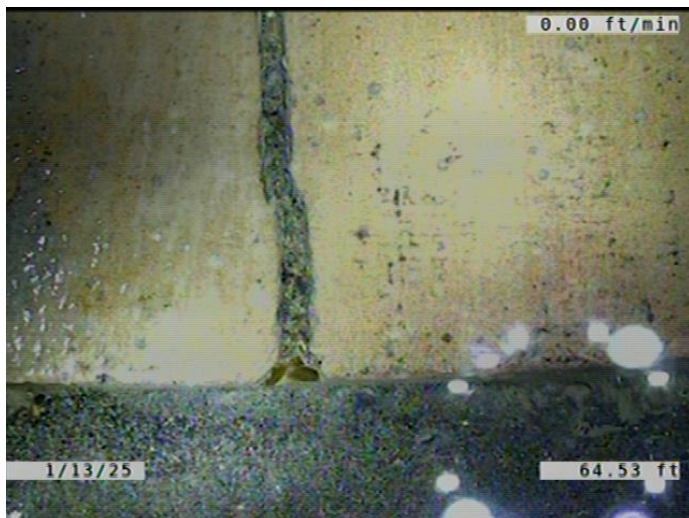
Distance (ft): **48.5**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **10.000**  
Continuous Index: **F03**  
Within 8" of Joint: **NO**  
Remarks:



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

Distance (ft): **51.3**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **12**  
Clock To: **12**  
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): **64.5**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **12**  
Clock To: **12**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **S04**  
Within 8" of Joint: **YES**  
Remarks:

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

Distance (ft): **76.2**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **10.000**  
Continuous Index: **S05**  
Within 8" of Joint: **NO**  
Remarks:

---



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

Distance (ft): **76.9**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **12**  
Clock To: **12**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **F04**  
Within 8" of Joint: **YES**  
Remarks:

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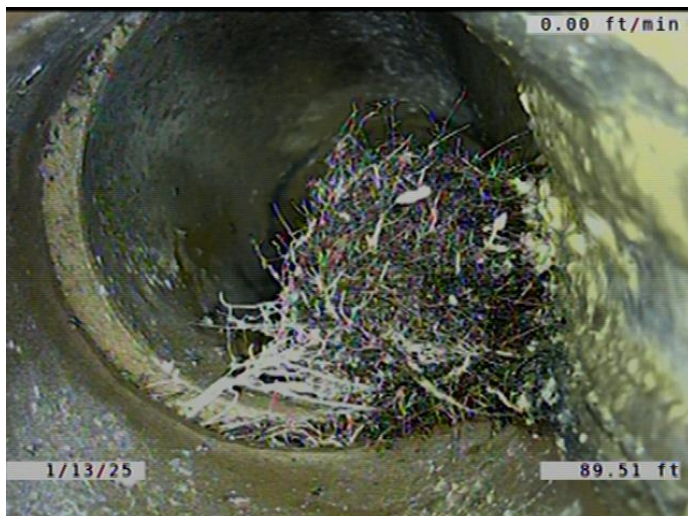




Code: **TFD**  
 Description: **Tap Factory Defective**

Distance (ft): **86.7**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **11**  
 Clock To:  
 1st Value: **6.000**  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks: **CAPPED. TAP CRACKED.**

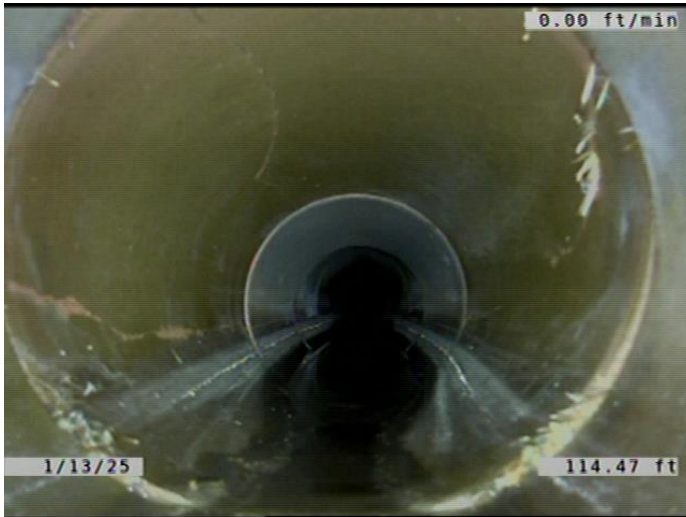
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Code: **TFD**  
 Description: **Tap Factory Defective**

Distance (ft): **89.5**  
 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: **TAP CRACKED. ROOTS GROWING IN A JOINTS.**

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

Distance (ft): **114.5**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **10.000**  
Continuous Index: **F05**  
Within 8" of Joint: **NO**  
Remarks:

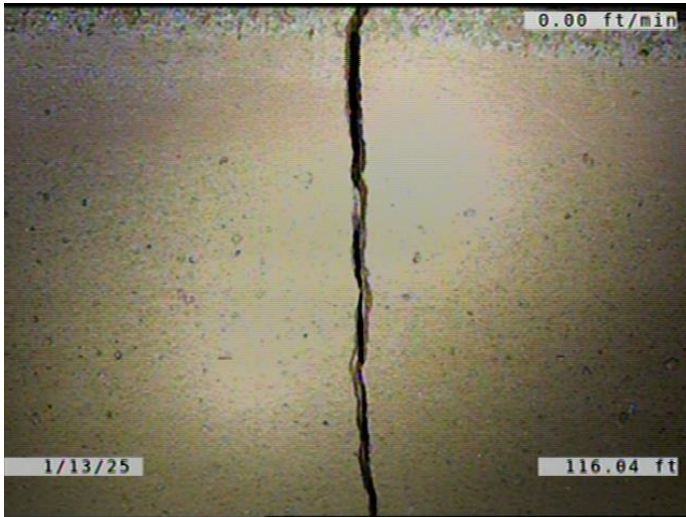
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Code: **RFJ**  
Description: **Roots Fine Joint**

Distance (ft): **116.0**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **7**  
Clock To: **5**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **S08**  
Within 8" of Joint: **YES**  
Remarks:

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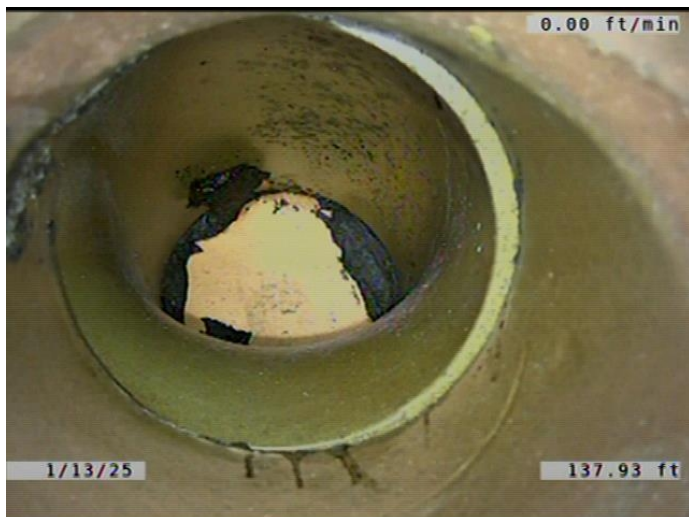
Code: **FM**  
 Description: **Fracture Multiple**

Distance (ft): **116.0**  
 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:



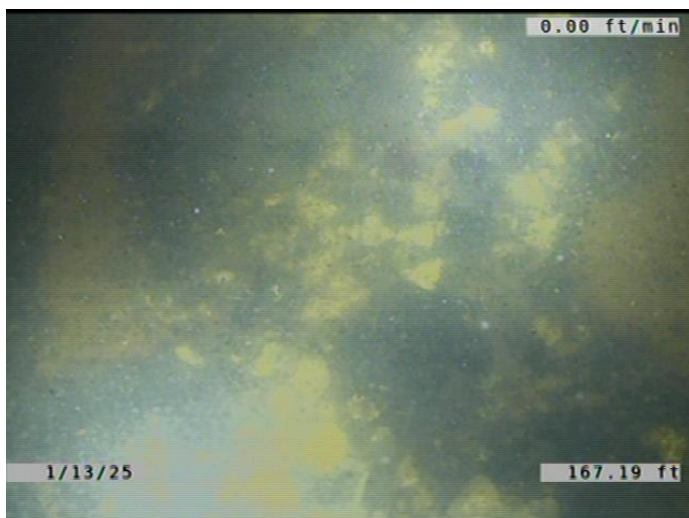
Code: **MWLS**  
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **117.2**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **15.000**  
 Continuous Index: **S07**  
 Within 8" of Joint: **NO**  
 Remarks:



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

Distance (ft): **137.9**  
 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:



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

Distance (ft): **167.2**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **5**  
 Clock To: **7**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index: **S09**  
 Within 8" of Joint: **YES**  
 Remarks:





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

Distance (ft): **167.2**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **12**  
Clock To: **12**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **S10**  
Within 8" of Joint: **YES**  
Remarks:

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

Distance (ft): **168.3**  
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: **CAPPED. TAP CRACKED. ROOTS GROWING FROM THE JOINTS INTO T**

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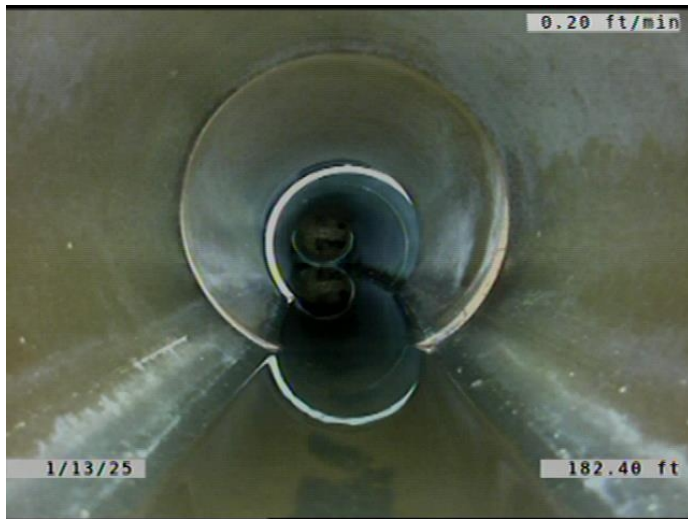
Code:	<b>TFD</b>
Description:	<b>Tap Factory Defective</b>
Distance (ft):	<b>171.2</b>
Structural Grade:	<b>0</b>
O&M Grade:	<b>3</b>
Clock Start/From:	<b>2</b>
Clock To:	
1st Value:	<b>6.000</b>
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	<b>YES</b>
Remarks:	<b>SERVICE HAS BEEN REPLACED WITH PVC. ROOTS GROWING FROM THE S</b>

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Code:	<b>OBJ</b>
Description:	<b>Obstruction Wedged In The Joint</b>
Distance (ft):	<b>173.1</b>
Structural Grade:	<b>0</b>
O&M Grade:	<b>2</b>
Clock Start/From:	<b>5</b>
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	<b>5.000</b>
Continuous Index:	
Within 8" of Joint:	<b>YES</b>
Remarks:	<b>TOOTHPICK</b>

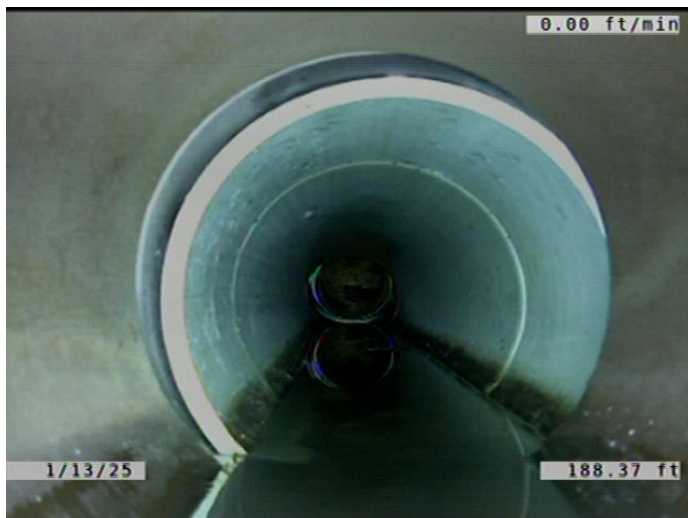
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Code: **RFJ**  
Description: **Roots Fine Joint**

Distance (ft): **182.4**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **7**  
Clock To: **5**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **F08**  
Within 8" of Joint: **YES**  
Remarks:

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Code: **JOLD**  
Description: **Joint Offset Large Defective**

Distance (ft): **188.4**  
Structural Grade: **4**  
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: **FM**  
Description: **Fracture Multiple**

Distance (ft): **188.4**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **12**  
Clock To: **12**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **F10**  
Within 8" of Joint: **YES**  
Remarks:

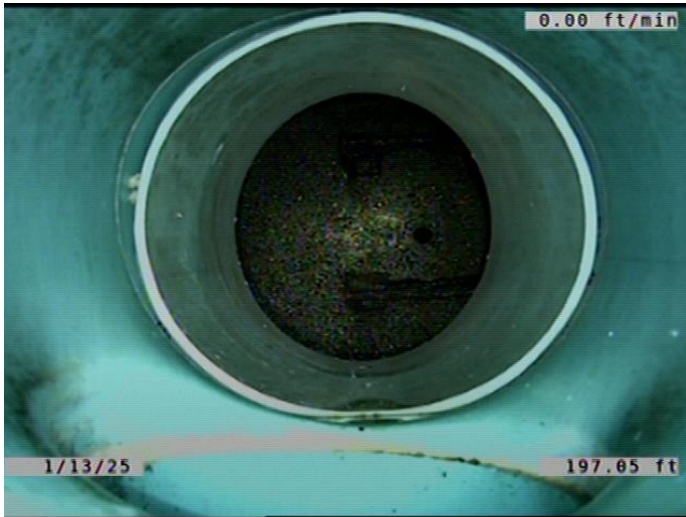
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Code: **MMC**  
Description: **Miscellaneous Material Change**

Distance (ft): **188.4**  
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: **VCP TO PVC**

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

Distance (ft): **197.0**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **5**  
Clock To: **7**  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index: **F09**  
Within 8" of Joint: **YES**  
Remarks:

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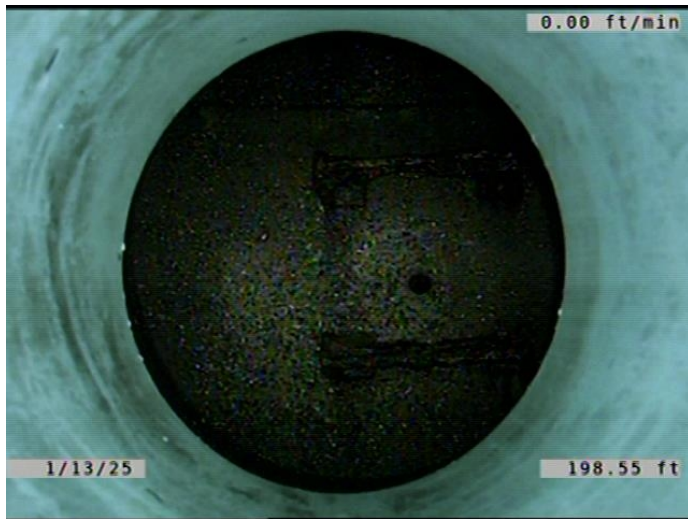


Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

Distance (ft): **197.0**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **15.000**  
Continuous Index: **F07**  
Within 8" of Joint: **NO**  
Remarks:

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Code:	AMH
Description:	Manhole
Distance (ft):	198.6
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:	M-804-038