

# Profile/Photo Observation Report



Date: **09/15/2024**      Weather:      Coding: **PACP 7.0**  
 Pipe Length (ft): **491.0**      Owner: **City of Hobart**      Pre Clean: **Heavy Cleaning**  
 P.O.#: **YES502259**      Surveyor: **S. Bucklin**      PSR: **P-804-001-002**  
 Customer: **City of Hobart**      Clean Date: **09/04/2024**      Shape: **C**

Street: **East Cleveland Avenue**      Flow Control: **Not Controlled**  
 City: **Hobart, IN**      Year Renewed:  
 Location: **Local rural streets with light traffic, t**      Tape/Media #:  
 Purpose: **Sewer System Evaluation Survey (SS**      Dia/Height: **12"**  
 Use: **Sanitary Sewage Pipe**      Material: **VCP**  
 Drain Area:      Lining: **None**  
 Category: **NA**  
 Comment:  
 Location Details:      Direction of Survey: **Downstream**  
 US MH: **M-804-001**      DS MH: **M-804-002**      Total Length Surveyed (ft): **188.7**

O&M Index:	<b>2.22</b>	O&M Quick:	<b>423A</b>	O&M Rating:	<b>100.00</b>
Structural Index:	<b>3.55</b>	Structural Quick:	<b>564F</b>	Structural Rating:	<b>220.00</b>
Overall Index:	<b>2.99</b>	Overall Quick:	<b>564G</b>	Overall Rating:	<b>320.00</b>

Position	Code	Observation	Video (sec)	Grade
<b>M-804-001</b>				
.0	AMH	Manhole	0	NA
.0	MWL	Miscellaneous Water Level	25	NA
1.5	MGO	Miscellaneous General Observation	33	NA
4.3	MMC	Miscellaneous Material Change	80	NA
9.5	LR	Line Right	115	M 1
23.6	TFD	Tap Factory Defective	177	M 3
24.8	B	Broken	226	S 4
25.2	TBD	Tap Break-in/Hammer Defective	241	M 3
25.8	TB	Tap Break-in/Hammer	282	NA
38.3	MWLS(S01)	Miscellaneous Water Level Sag	344	S 2
39.0	ISGT	Intruding Sealing Material Grout	372	M 2
39.0	SMW	Surface Damage Missing Wall	414	S 5
39.0	BVV	Broken Void Visible	438	S 5
44.1	MWLS(F01)	Miscellaneous Water Level Sag	487	S 2
45.3	FM(S02)	Fracture Multiple	519	S 4
51.3	MWLS(S03)	Miscellaneous Water Level Sag	590	S 2
58.6	ISGT(S04)	Intruding Sealing Material Grout	633	M 2
70.5	LR	Line Right	700	M 1
74.1	TFD	Tap Factory Defective	754	M 3



74.4	TBD	Tap Break-in/Hammer Defective	776	M 3
76.2	LL	Line Left	805	M 1
79.1	HVV	Hole Void Visible	858	S 5
83.2	MWLS(F03)	Miscellaneous Water Level Sag	930	S 2
92.0	MWLS(S05)	Miscellaneous Water Level Sag	978	S 2
93.6	TFD	Tap Factory Defective	1007	M 3
95.5	SSS	Surface Damage Surface Spalling	1047	S 2
95.6	TBD	Tap Break-in/Hammer Defective	1061	M 3
106.9	TFD	Tap Factory Defective	1152	M 3
108.5	SSS	Surface Damage Surface Spalling	1197	S 2
108.6	TBD	Tap Break-in/Hammer Defective	1212	M 3
117.3	SMW	Surface Damage Missing Wall	1270	S 5
118.5	TFD	Tap Factory Defective	1297	M 3
119.4	RFJ	Roots Fine Joint	1347	M 1
123.7	LL	Line Left	1380	M 2
124.9	SMW	Surface Damage Missing Wall	1450	S 5
124.9	BVV	Broken Void Visible	1540	S 5
133.4	MWLS(F05)	Miscellaneous Water Level Sag	1590	S 2
150.9	MWLS(S06)	Miscellaneous Water Level Sag	1662	S 4
153.2	TS	Tap Saddle	1706	NA
157.5	JAL	Joint Angular Large	1777	S 4
174.3	TFD	Tap Factory Defective	1950	M 3
176.7	MCU(S07)	Miscellaneous Camera Underwater	2012	M 4
188.6	MCU(F07)	Miscellaneous Camera Underwater	2146	M 4
188.6	MWLS(F06)	Miscellaneous Water Level Sag	2153	S 4
188.6	FM(F02)	Fracture Multiple	2160	S 4
188.6	ISGT(F04)	Intruding Sealing Material Grout	2167	M 2
188.6	OBP	Obstruction External Pipe or Cable	2190	M 2
188.7	MSA	Miscellaneous Survey Abandoned	2208	NA

**M-804-002**



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-804-001**



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

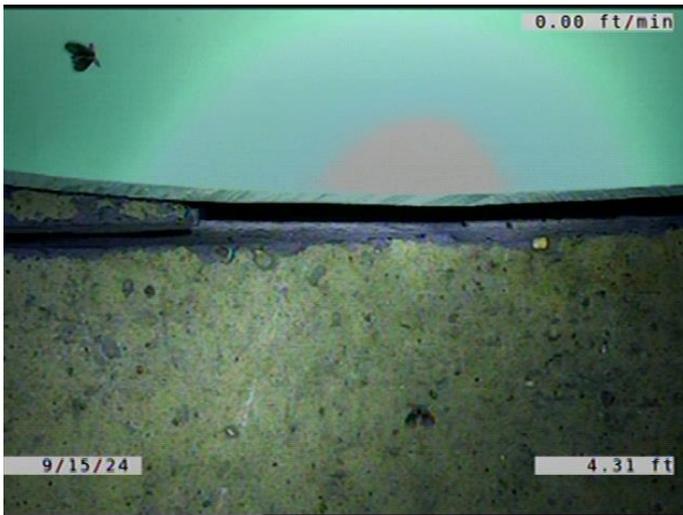
Distance (ft): **.0**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:



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: **NO CHANNEL IN THE MANHOLE.  
HAD TO START IN THE PIPE.**

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

Distance (ft): **4.3**  
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 VCP**

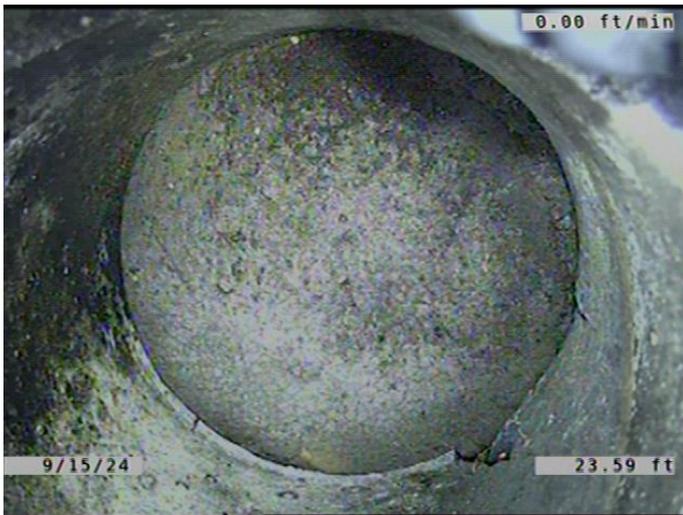
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Code: **LR**  
Description: **Line Right**

Distance (ft): **9.5**  
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:

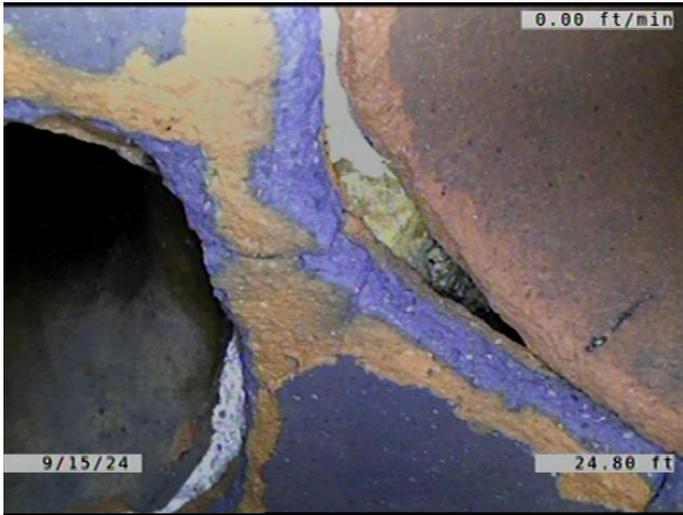
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Code: **TFD**  
Description: **Tap Factory Defective**

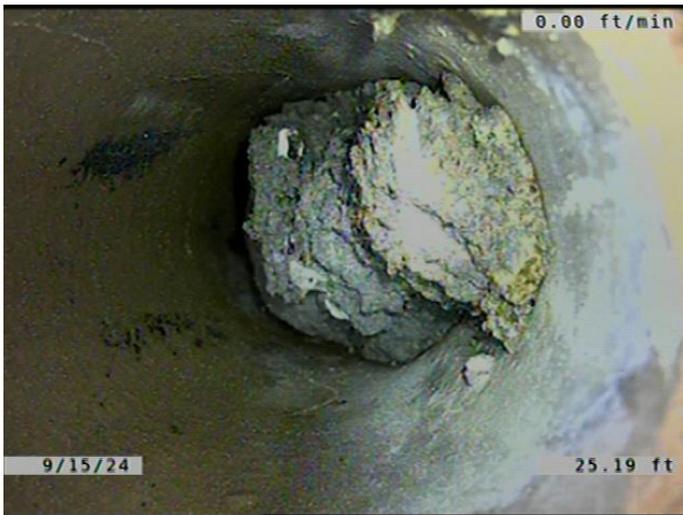
Distance (ft): **23.6**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **3**  
Clock To:  
1st Value: **6.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks: **CAPPED. TAP BROKEN.**

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

Distance (ft): **24.8**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **11**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



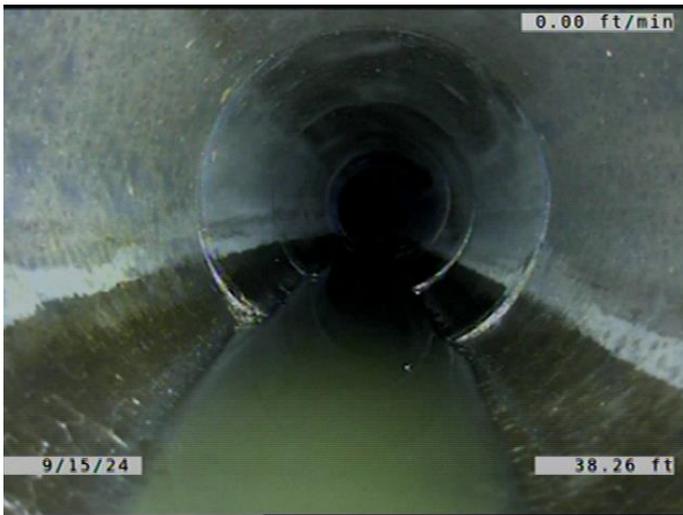
Code: **TBD**  
 Description: **Tap Break-in/Hammer Defective**

Distance (ft): **25.2**  
 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: **LOOKS TO BE 100% PLUGGED WITH DIRT.**



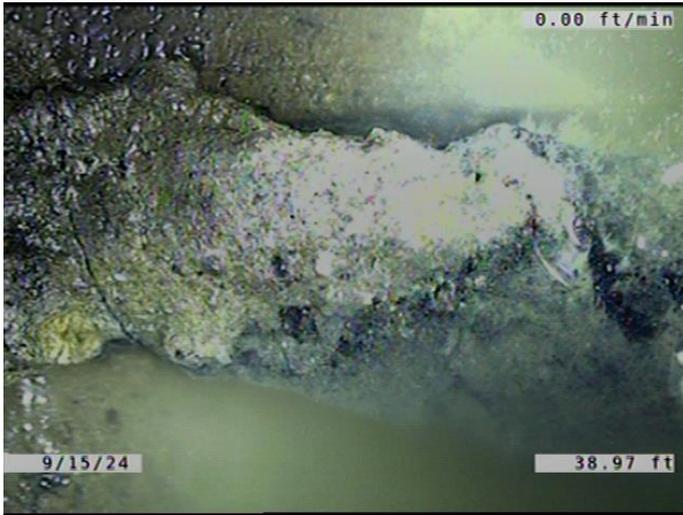
Code: **TB**  
 Description: **Tap Break-in/Hammer**

Distance (ft): **25.8**  
 Structural Grade: **0**  
 O&M Grade: **0**  
 Clock Start/From: **1**  
 Clock To:  
 1st Value: **6.000**  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **38.3**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **10.000**  
 Continuous Index: **S01**  
 Within 8" of Joint: **NO**  
 Remarks:



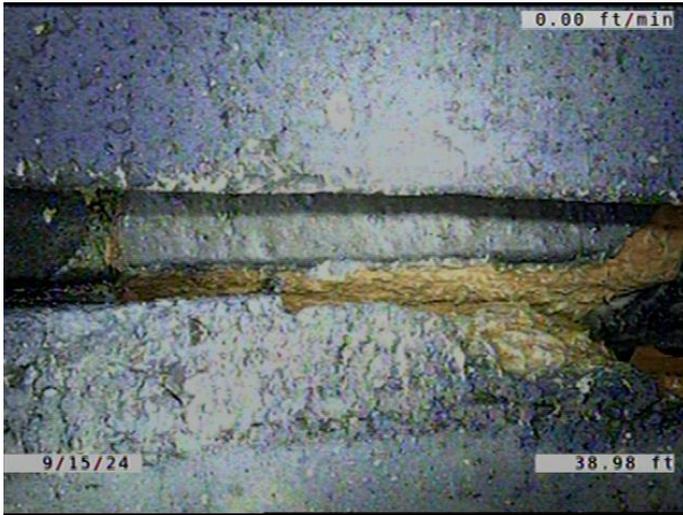
Code: **ISGT**  
 Description: **Intruding Sealing Material Grout**

Distance (ft): **39.0**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **4**  
 Clock To: **8**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:



Code: **SMW**  
 Description: **Surface Damage Missing Wall**

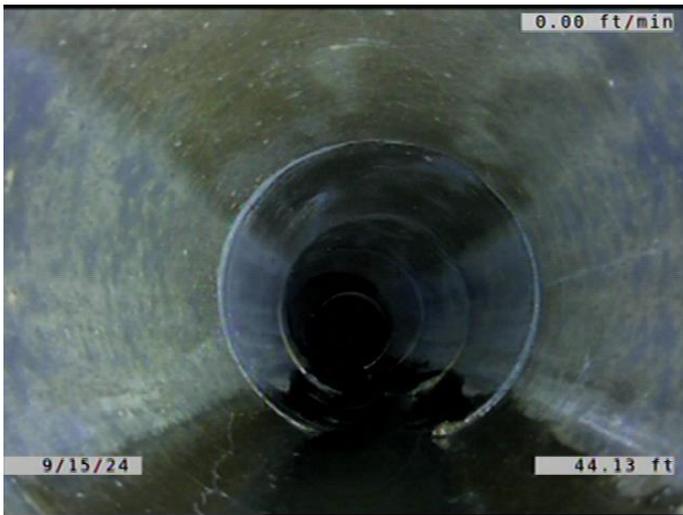
Distance (ft): **39.0**  
 Structural Grade: **5**  
 O&M Grade: **0**  
 Clock Start/From: **1**  
 Clock To: **2**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



Code: **BVV**  
Description: **Broken Void Visible**

Distance (ft): **39.0**  
Structural Grade: **5**  
O&M Grade: **0**  
Clock Start/From: **9**  
Clock To: **2**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks: **SOIL VISIBLE ALSO.**

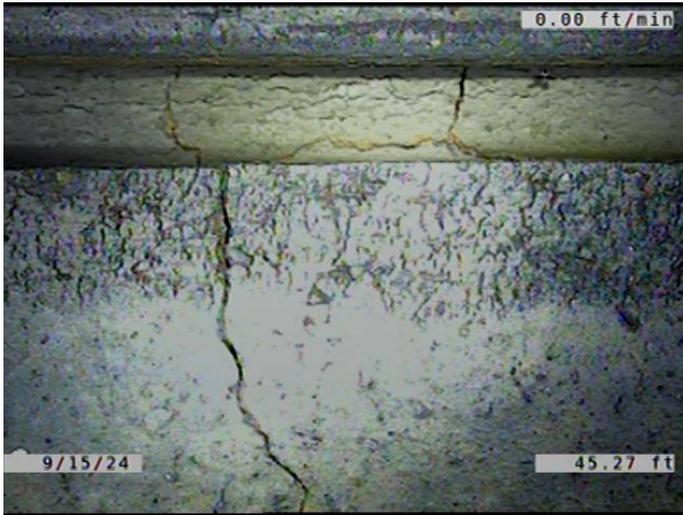
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Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

Distance (ft): **44.1**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **10.000**  
Continuous Index: **F01**  
Within 8" of Joint: **NO**  
Remarks:

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

Distance (ft): **45.3**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **7**  
 Clock To: **5**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index: **S02**  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **51.3**  
 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: **ISGT**  
Description: **Intruding Sealing Material Grout**

Distance (ft): **58.6**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **4**  
Clock To: **8**  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index: **S04**  
Within 8" of Joint: **NO**  
Remarks:

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

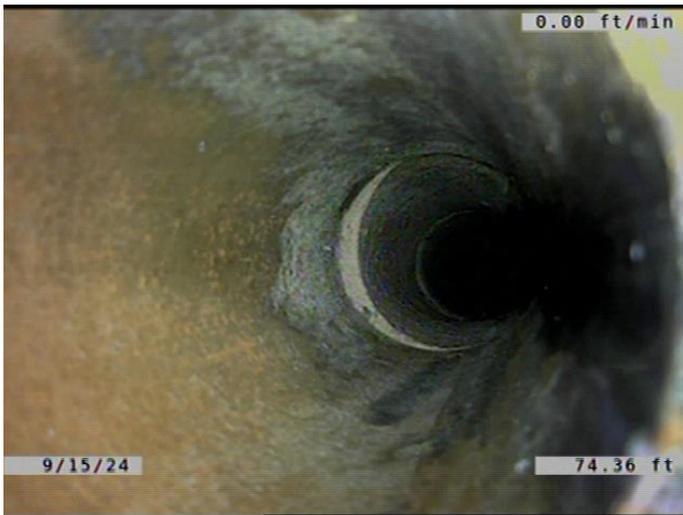
Distance (ft): **70.5**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

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

Distance (ft): **74.1**  
 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: **CAPPED. TAP BROKEN.**



Code: **TBD**  
 Description: **Tap Break-in/Hammer Defective**

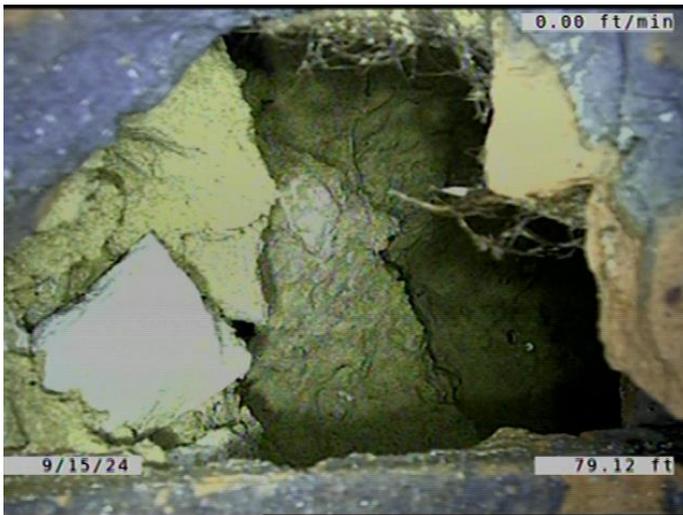
Distance (ft): **74.4**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **3**  
 Clock To:  
 1st Value: **6.000**  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks: **CONSTANTLY RUNNING WATER.**



Code: **LL**  
Description: **Line Left**

Distance (ft): **76.2**  
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: **HVV**  
Description: **Hole Void Visible**

Distance (ft): **79.1**  
Structural Grade: **5**  
O&M Grade: **0**  
Clock Start/From: **8**  
Clock To: **11**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

---



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

Distance (ft): **83.2**  
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: **MWLS**  
Description: **Miscellaneous Water Level Sag**

Distance (ft): **92.0**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **15.000**  
Continuous Index: **S05**  
Within 8" of Joint: **NO**  
Remarks:

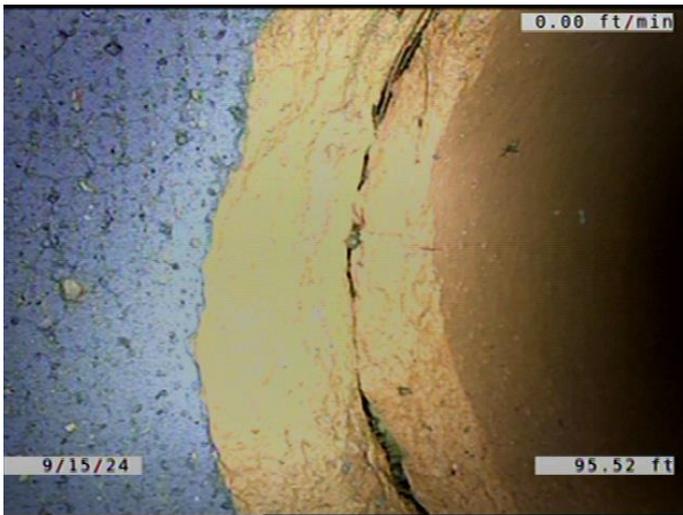
---



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

Distance (ft): **93.6**  
 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: **SERVICE OFFSET. SOIL VISIBLE. LOOKS TO BE 95% PLUGGED WITH R**

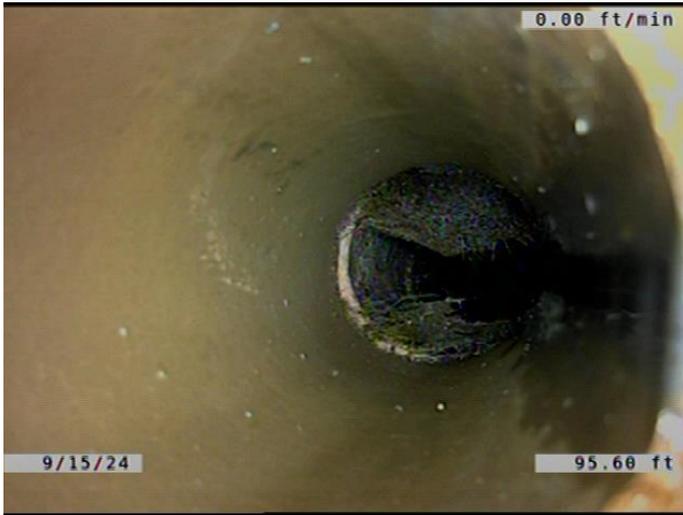
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Code: **SSS**  
 Description: **Surface Damage Surface Spalling**

Distance (ft): **95.5**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From: **1**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:

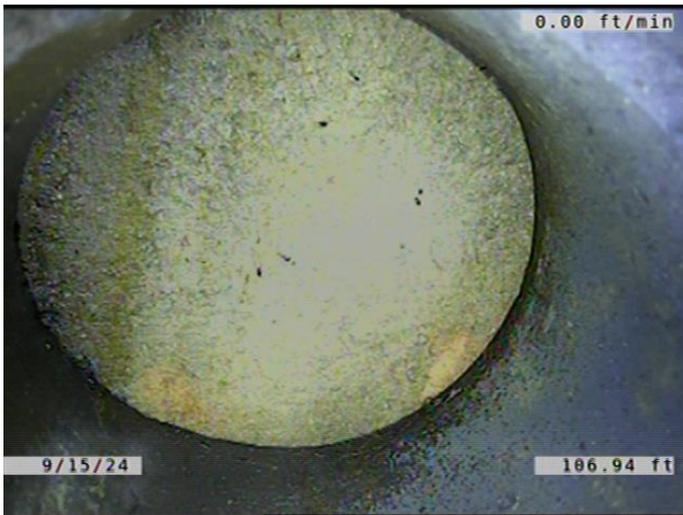
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Code: **TBD**  
Description: **Tap Break-in/Hammer Defective**

Distance (ft): **95.6**  
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: **SERVICE CRACKED. LOOKS TO BE 95 % PLUGGED WITH ROOTS. CONSTAN**

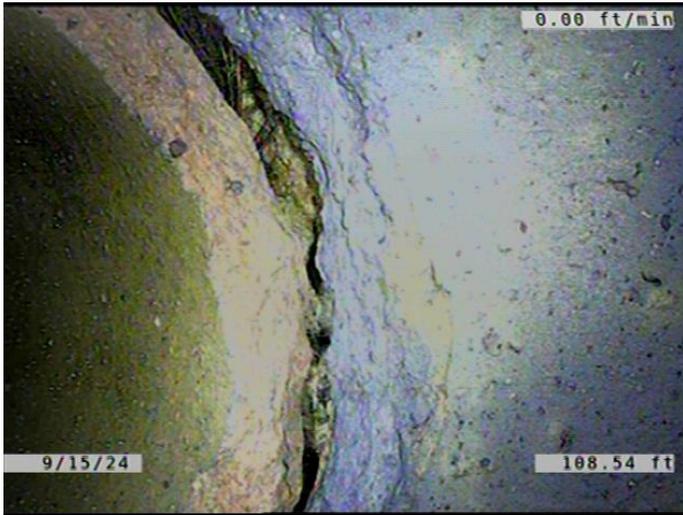
---



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

Distance (ft): **106.9**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **9**  
Clock To:  
1st Value: **6.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks: **CAPPED. TAP CRACKED.**

---



Code: **SSS**  
Description: **Surface Damage Surface Spalling**

Distance (ft): **108.5**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From: **8**  
Clock To: **11**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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Code: **TBD**  
Description: **Tap Break-in/Hammer Defective**

Distance (ft): **108.6**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **9**  
Clock To:  
1st Value: **6.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks: **LOOKS TO BE 100% PLUGGED WITH DIRT.**

---



Code: **SMW**  
Description: **Surface Damage Missing Wall**

Distance (ft): **117.3**  
Structural Grade: **5**  
O&M Grade: **0**  
Clock Start/From: **7**  
Clock To: **9**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks: **THE INSIDE OF THE JOINT.**

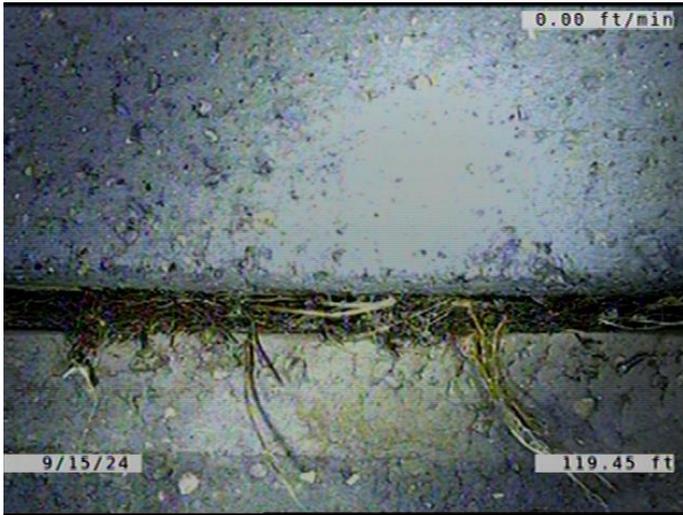
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Code: **TFD**  
Description: **Tap Factory Defective**

Distance (ft): **118.5**  
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 BROKEN. SERVICE LOOKS TO BE 95% PLUGGED WITH ROOTS.**

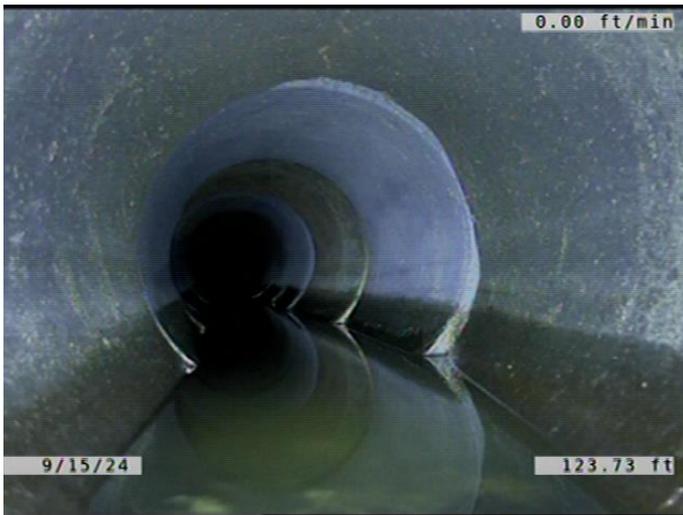
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Code: **RFJ**  
Description: **Roots Fine Joint**

Distance (ft): **119.4**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **8**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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Code: **LL**  
Description: **Line Left**

Distance (ft): **123.7**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **15.000**  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

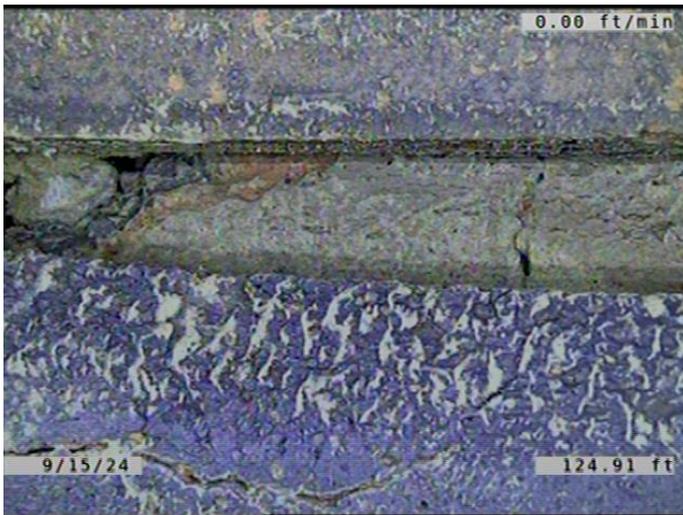
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Code: **SMW**  
 Description: **Surface Damage Missing Wall**

Distance (ft): **124.9**  
 Structural Grade: **5**  
 O&M Grade: **0**  
 Clock Start/From: **11**  
 Clock To: **1**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks: **LARGE VOID AND SOIL VISIBLE. CAN SEE THE NEW STORM PIPE LAID BY G**

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Code: **BVV**  
 Description: **Broken Void Visible**

Distance (ft): **124.9**  
 Structural Grade: **5**  
 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: **SOIL VISIBLE ALSO.**

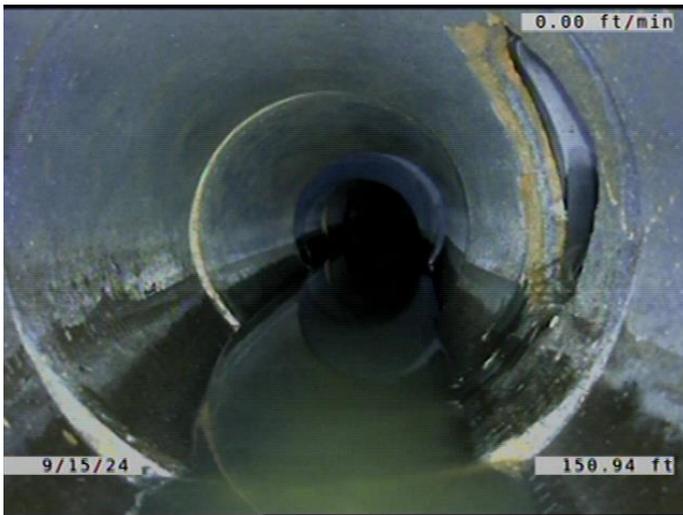
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Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

Distance (ft): **133.4**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **15.000**  
Continuous Index: **F05**  
Within 8" of Joint: **NO**  
Remarks:

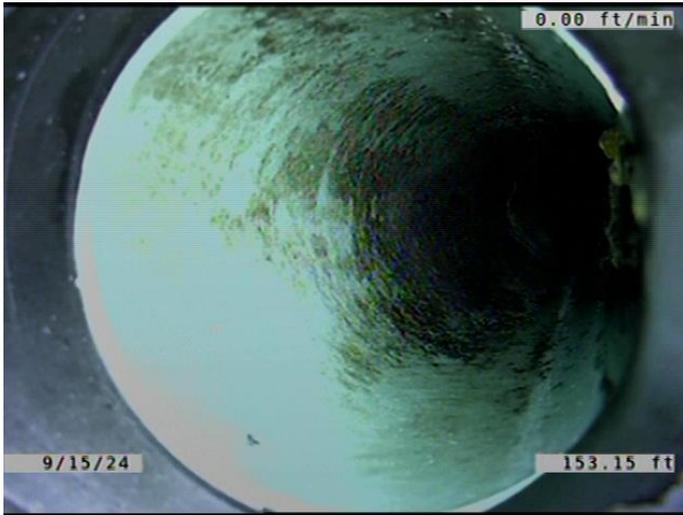
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Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

Distance (ft): **150.9**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **55.000**  
Continuous Index: **S06**  
Within 8" of Joint: **NO**  
Remarks:

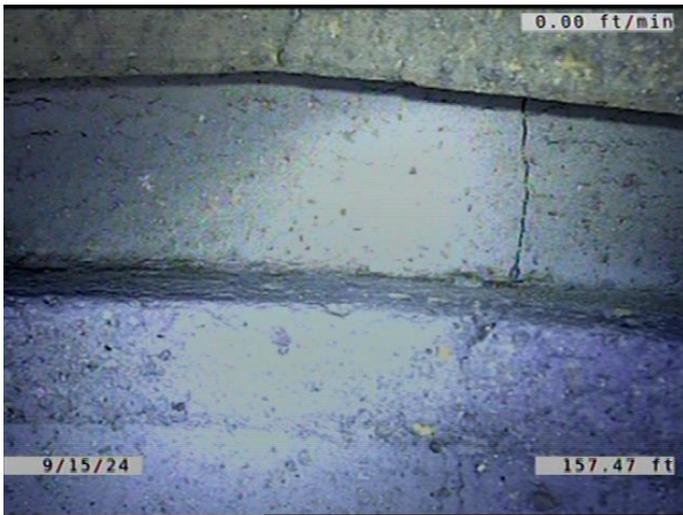
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Code: **TS**  
Description: **Tap Saddle**

Distance (ft): **153.2**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From: **3**  
Clock To:  
1st Value: **6.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks: **PVC SERVICE.**

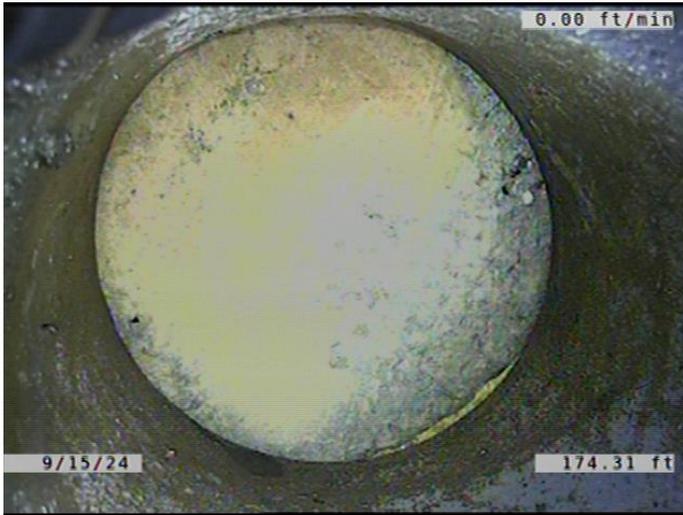
---



Code: **JAL**  
Description: **Joint Angular Large**

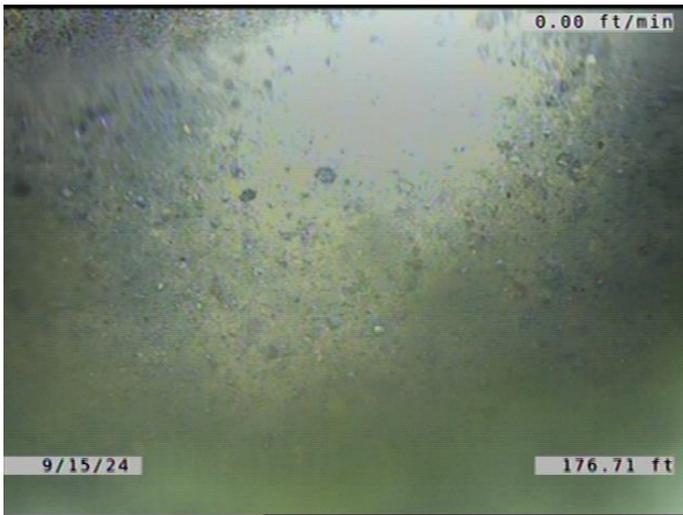
Distance (ft): **157.5**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

---



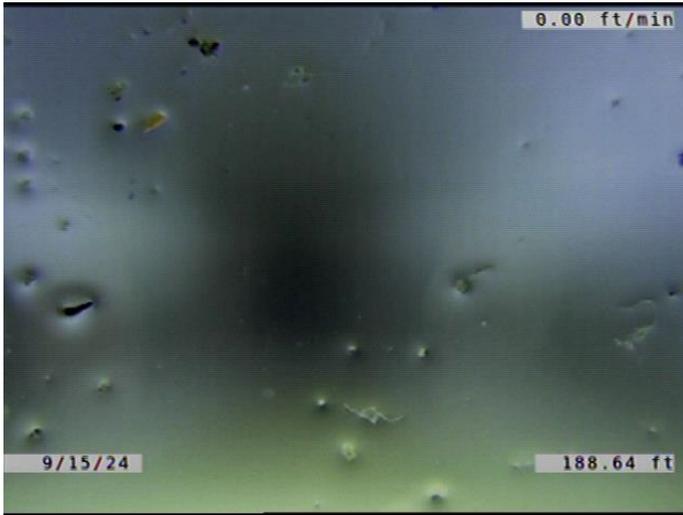
Code: **TFD**  
 Description: **Tap Factory Defective**

Distance (ft): **174.3**  
 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. SOIL VISIBLE. AROUND THE CAP.**



Code: **MCU**  
 Description: **Miscellaneous Camera Underwater**

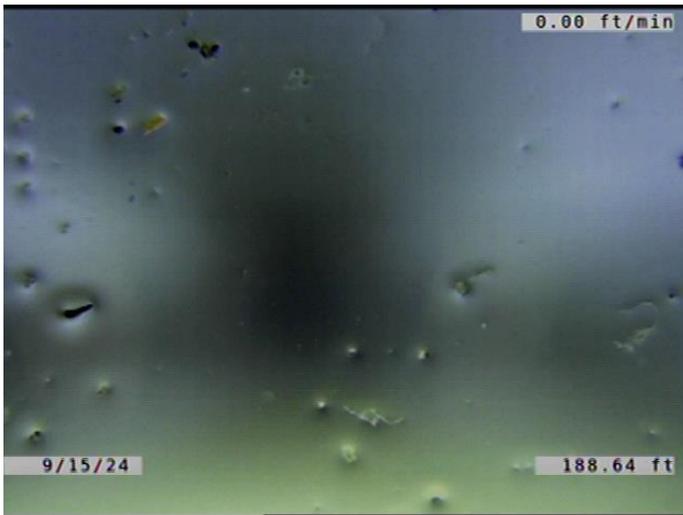
Distance (ft): **176.7**  
 Structural Grade: **0**  
 O&M Grade: **4**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index: **S07**  
 Within 8" of Joint: **NO**  
 Remarks:



Code: **MCU**  
Description: **Miscellaneous Camera Underwater**

Distance (ft): **188.6**  
Structural Grade: **0**  
O&M Grade: **4**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **F07**  
Within 8" of Joint: **NO**  
Remarks:

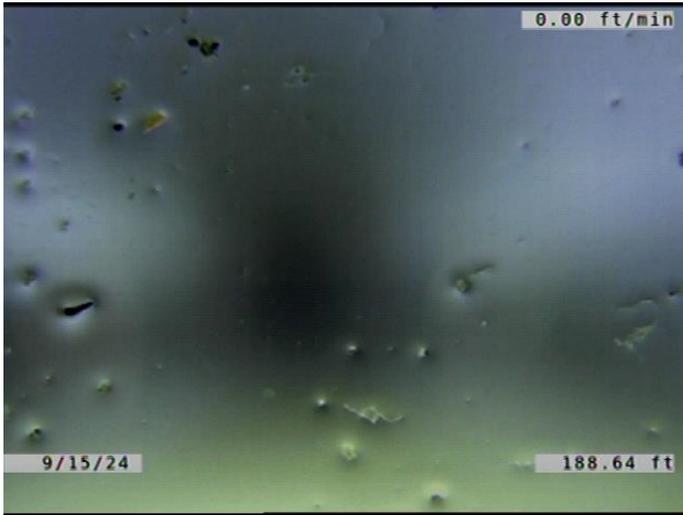
---



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

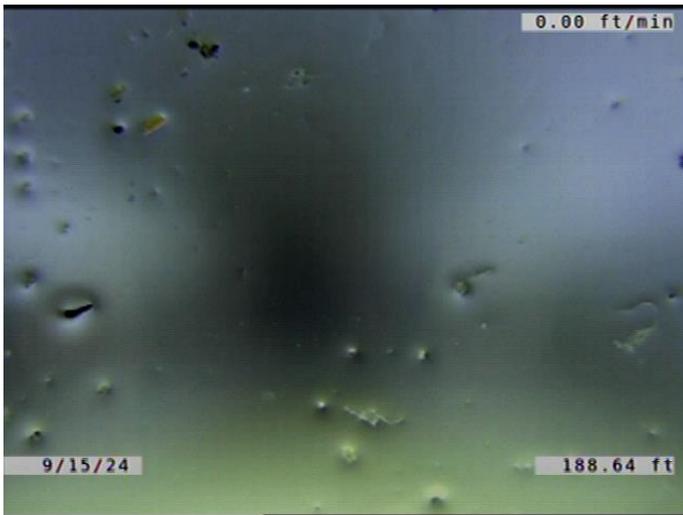
Distance (ft): **188.6**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **55.000**  
Continuous Index: **F06**  
Within 8" of Joint: **NO**  
Remarks:

---



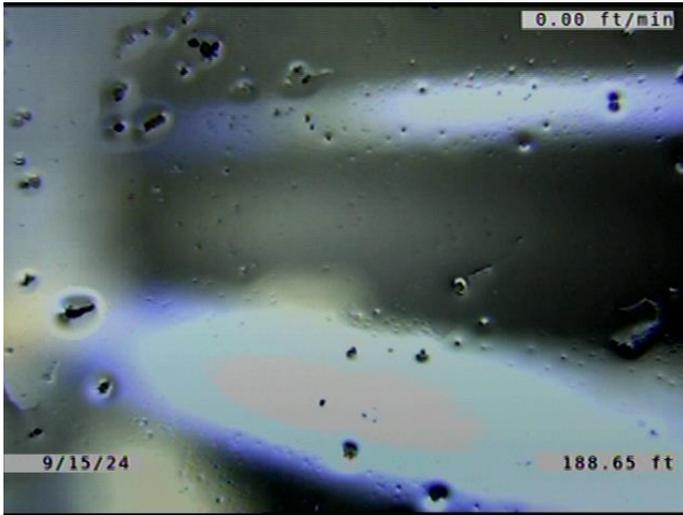
Code: **FM**  
 Description: **Fracture Multiple**

Distance (ft): **188.6**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **7**  
 Clock To: **5**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index: **F02**  
 Within 8" of Joint: **YES**  
 Remarks:



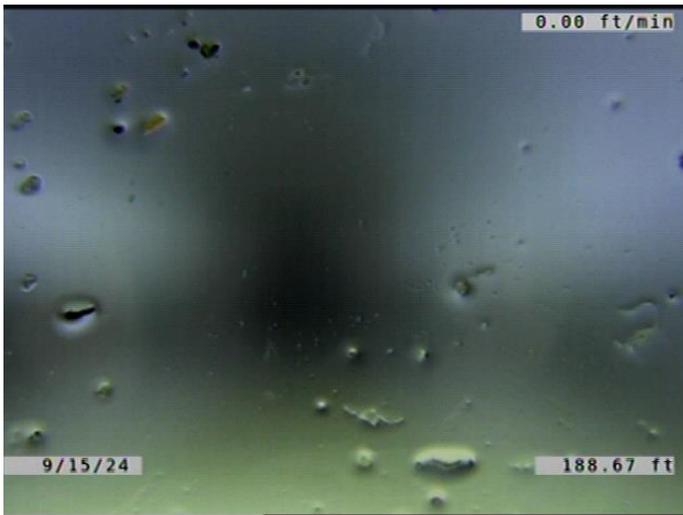
Code: **ISGT**  
 Description: **Intruding Sealing Material Grout**

Distance (ft): **188.6**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **4**  
 Clock To: **8**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index: **F04**  
 Within 8" of Joint: **NO**  
 Remarks:



Code: **OBP**  
 Description: **Obstruction External Pipe or Cable**

Distance (ft): **188.6**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **10**  
 Clock To: **2**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



Code: **MSA**  
 Description: **Miscellaneous Survey Abandoned**

Distance (ft): **188.7**  
 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: **MADE IT TO THE POINT OF OVERLAP.  
 REVERSAL COMPLETE.**