

Profile/Photo Observation Report



| | | | | | |
|-------------------|-----------------------|-------------|-----------------------|------------|-----------------------|
| Date: | 10/23/2021 | Weather: | | Coding: | PACP 7.0 |
| Pipe Length (ft): | 197.2 | Owner: | City of Hobart | Pre Clean: | Heavy Cleaning |
| P.O.#: | YES502259 | Surveyor: | S. Bucklin | PSR: | P-404-012-011 |
| Customer: | City of Hobart | Clean Date: | 10/22/2021 | Shape: | C |

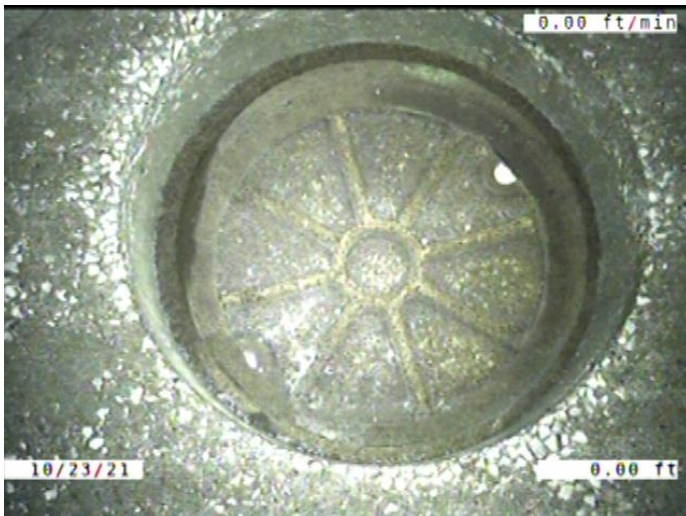
| | | | |
|-------------------|-----------------------------|-----------------------------|-----------------------|
| Street: | North Wabash Street | Flow Control: | Not Controlled |
| City: | Hobart, IN | Year Renewed: | |
| Location: | Woods | Tape/Media #: | |
| Purpose: | Routine Assessment | Dia/Height: | 8" |
| Use: | Sanitary Sewage Pipe | Material: | VCP |
| Drain Area: | | Lining: | None |
| Category: | NA | | |
| Comment: | | | |
| Location Details: | | Direction of Survey: | Upstream |
| US MH: | M-404-012 | DS MH: | M-404-011 |
| | | Total Length Surveyed (ft): | 197.2 |

| | | | | | |
|-------------------|-------------|-------------------|-------------|--------------------|---------------|
| O&M Index: | 1.79 | O&M Quick: | 332L | O&M Rating: | 168.00 |
| Structural Index: | 2.00 | Structural Quick: | 2A00 | Structural Rating: | 22.00 |
| Overall Index: | 1.81 | Overall Quick: | 332N | Overall Rating: | 190.00 |

| Position | Code | Observation | Video (sec) | Grade |
|----------|-----------|---------------------------------|-------------|-------|
| | | | | |
| .0 | AMH | Manhole | 1 | NA |
| .0 | MWL | Miscellaneous Water Level | 68 | NA |
| 1.0 | DSF(S01) | Deposits Settled Fine | 83 | M 2 |
| 29.0 | TFD | Tap Factory Defective | 194 | M 3 |
| 29.8 | DSF(F01) | Deposits Settled Fine | 213 | M 2 |
| 42.4 | DAE | Deposits Attached Encrustation | 287 | M 2 |
| 46.6 | OBZ(S02) | Obstruction Other | 344 | M 2 |
| 52.9 | TF | Tap Factory | 389 | NA |
| 63.0 | SSS | Surface Damage Surface Spalling | 442 | S 2 |
| 69.8 | MWLS | Miscellaneous Water Level Sag | 482 | S 2 |
| 82.6 | RFJ(S03) | Roots Fine Joint | 557 | M 1 |
| 82.6 | DAE | Deposits Attached Encrustation | 571 | M 2 |
| 90.7 | DAE | Deposits Attached Encrustation | 635 | M 2 |
| 95.0 | ISJ | Infiltration Stain Joint | 672 | M 1 |
| 95.9 | MWLS | Miscellaneous Water Level Sag | 697 | S 2 |
| 103.7 | MWLS(S04) | Miscellaneous Water Level Sag | 729 | S 2 |
| 107.1 | ISJ | Infiltration Stain Joint | 771 | M 1 |
| 107.1 | IDJ | Infiltration Dripper Joint | 784 | M 3 |
| 107.2 | DSF(S05) | Deposits Settled Fine | 800 | M 2 |

| | | | | |
|-------|-----------|---------------------------------|------|-----|
| 112.3 | TF | Tap Factory | 830 | NA |
| 117.0 | RMJ | Roots Medium Joint | 862 | M 3 |
| 117.1 | ISJ | Infiltration Stain Joint | 892 | M 1 |
| 117.1 | IWJ | Infiltration Weeper Joint | 910 | M 2 |
| 121.9 | MWLS(F04) | Miscellaneous Water Level Sag | 946 | S 2 |
| 125.7 | ISJ(S06) | Infiltration Stain Joint | 998 | M 1 |
| 128.8 | MWLS | Miscellaneous Water Level Sag | 1026 | S 2 |
| 132.2 | CL | Crack Longitudinal | 1050 | S 2 |
| 132.2 | SSS | Surface Damage Surface Spalling | 1089 | S 2 |
| 132.2 | RFC | Roots Fine Connection | 1102 | M 1 |
| 132.7 | TBI | Tap Break-in Intruding | 1117 | M 2 |
| 144.2 | TFC | Tap Factory Capped | 1170 | NA |
| 144.2 | ISJ(F06) | Infiltration Stain Joint | 1183 | M 1 |
| 146.9 | SSS | Surface Damage Surface Spalling | 1229 | S 2 |
| 147.4 | TBI | Tap Break-in Intruding | 1252 | M 2 |
| 151.1 | ISJ | Infiltration Stain Joint | 1308 | M 1 |
| 151.1 | RFJ(F03) | Roots Fine Joint | 1315 | M 1 |
| 155.3 | DAE | Deposits Attached Encrustation | 1350 | M 2 |
| 159.3 | DAE | Deposits Attached Encrustation | 1423 | M 2 |
| 162.3 | DAE | Deposits Attached Encrustation | 1483 | M 2 |
| 166.4 | DAE | Deposits Attached Encrustation | 1548 | M 2 |
| 176.6 | DAE(S07) | Deposits Attached Encrustation | 1621 | M 2 |
| 196.5 | OBZ(F02) | Obstruction Other | 1716 | M 2 |
| 196.5 | DSF(F05) | Deposits Settled Fine | 1723 | M 2 |
| 196.5 | DAE(F07) | Deposits Attached Encrustation | 1731 | M 2 |
| 197.2 | AMH | Manhole | 1816 | NA |

M-404-012



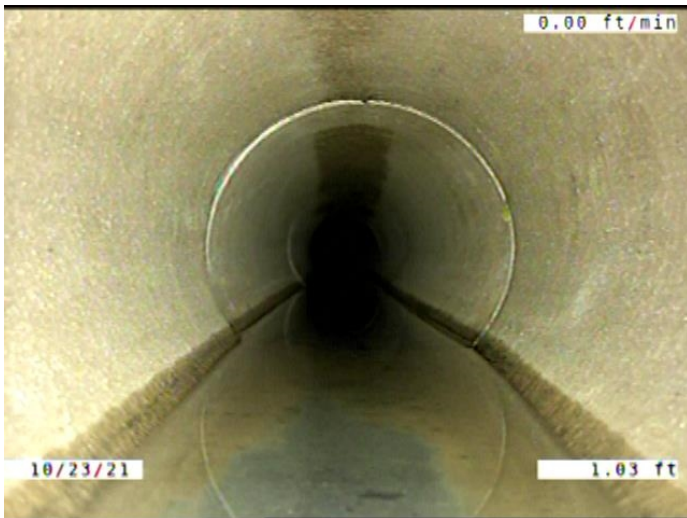
Code: **AMH**
Description: **Manhole**

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-404-011**



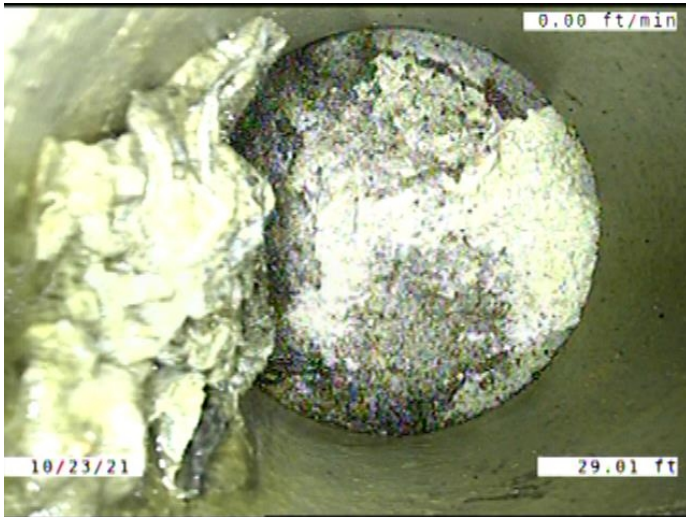
Code: **MWL**
Description: **Miscellaneous Water Level**

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:



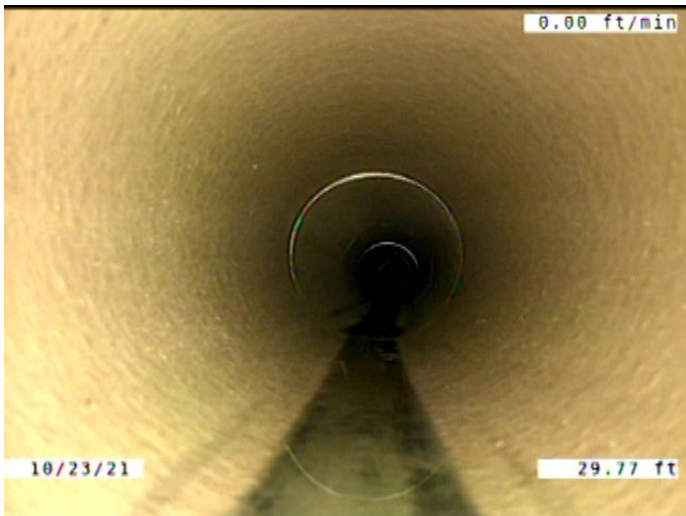
Code: **DSF**
Description: **Deposits Settled Fine**

Distance (ft): **1.0**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **5**
Clock To: **7**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **S01**
Within 8" of Joint: **YES**
Remarks:



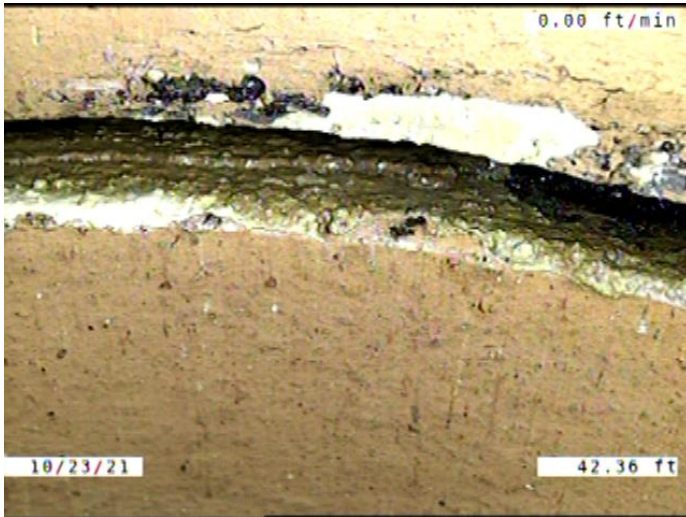
Code: **TFD**
 Description: **Tap Factory Defective**

Distance (ft): **29.0**
 Structural Grade: **0**
 O&M Grade: **3**
 Clock Start/From: **9**
 Clock To:
 1st Value: **4.000**
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks: **ENCrustATION AROUND THE CAP.
 CONSTANTLY LEAKING WATER**



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

Distance (ft): **29.8**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **5**
 Clock To: **7**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index: **F01**
 Within 8" of Joint: **YES**
 Remarks:



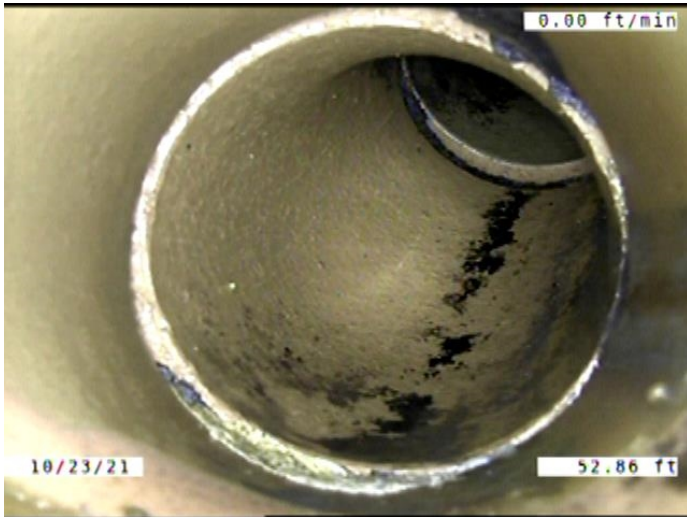
Code: **DAE**
 Description: **Deposits Attached Encrustation**

Distance (ft): **42.4**
 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: **YES**
 Remarks:



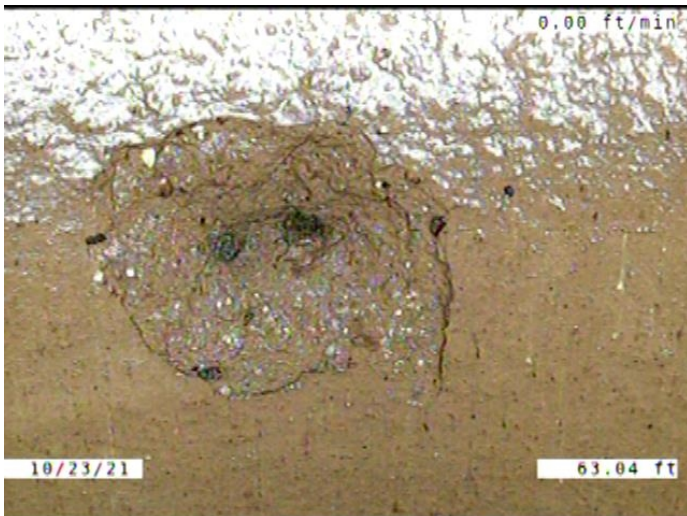
Code: **OBZ**
 Description: **Obstruction Other**

Distance (ft): **46.6**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **5**
 Clock To: **9**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index: **S02**
 Within 8" of Joint: **YES**
 Remarks: **LOOKS LIKE A SEWER RODDER**



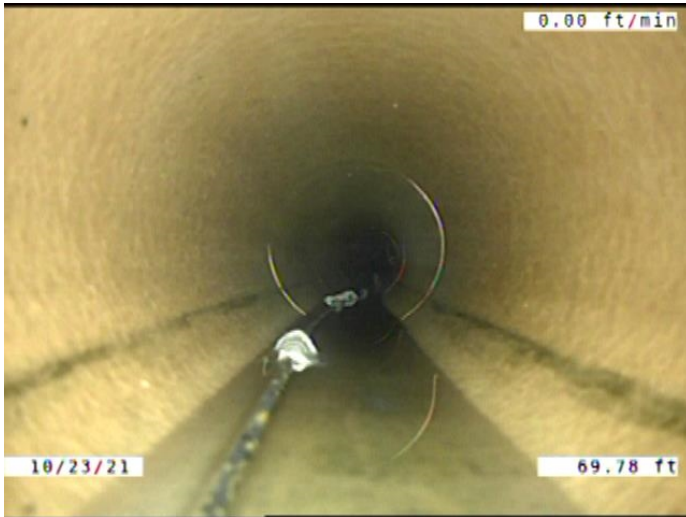
Code: **TF**
Description: **Tap Factory**

Distance (ft): **52.9**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **2**
Clock To:
1st Value: **4.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



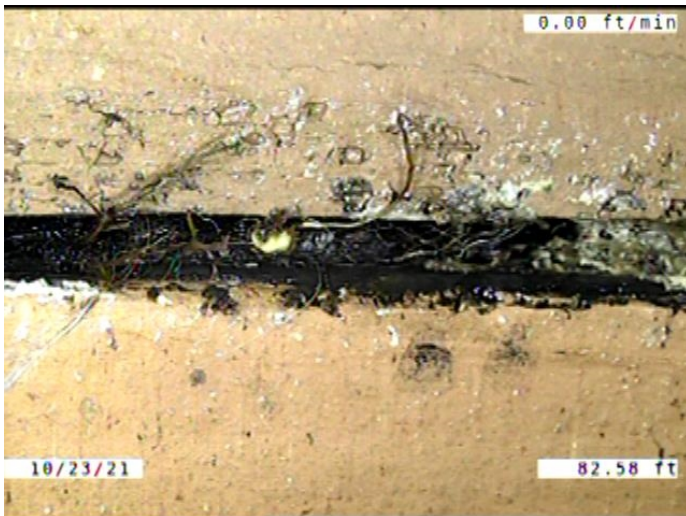
Code: **SSS**
Description: **Surface Damage Surface Spalling**

Distance (ft): **63.0**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From: **12**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



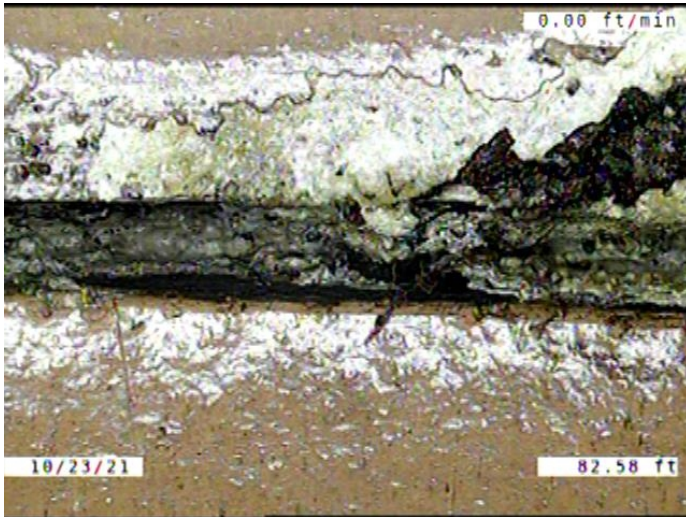
Code: **MWLS**
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **69.8**
 Structural Grade: **2**
 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:



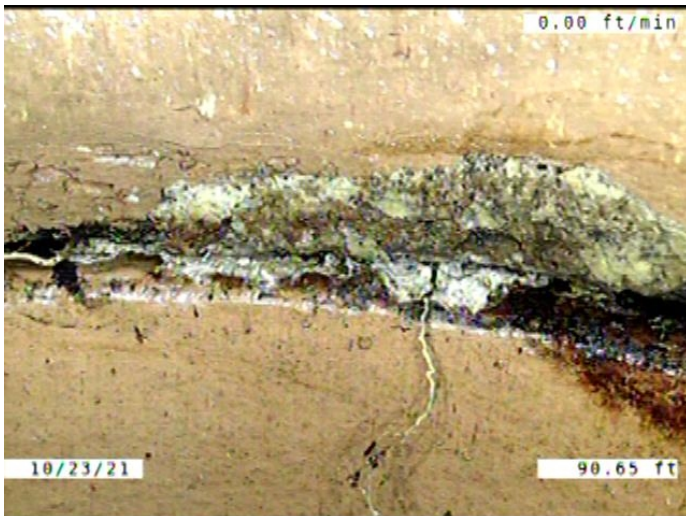
Code: **RFJ**
 Description: **Roots Fine Joint**

Distance (ft): **82.6**
 Structural Grade: **0**
 O&M Grade: **1**
 Clock Start/From: **9**
 Clock To: **3**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index: **S03**
 Within 8" of Joint: **YES**
 Remarks:



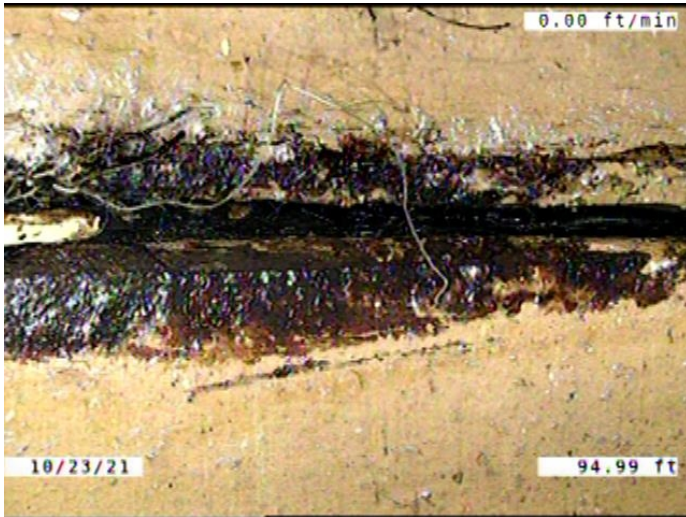
Code: **DAE**
 Description: **Deposits Attached Encrustation**

Distance (ft): **82.6**
 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: **YES**
 Remarks:



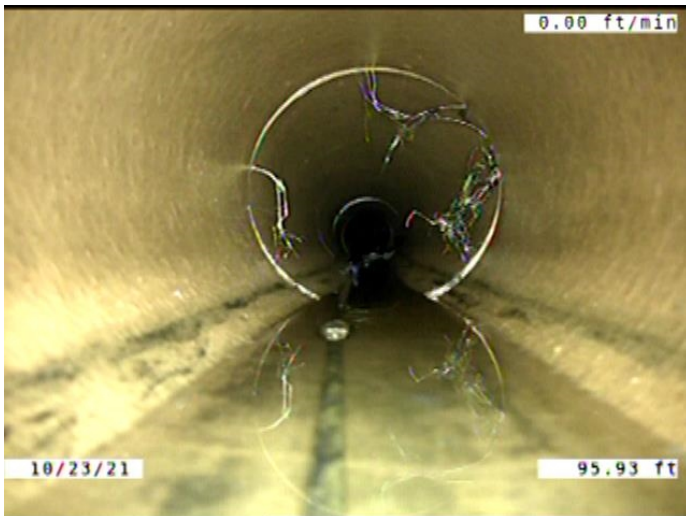
Code: **DAE**
 Description: **Deposits Attached Encrustation**

Distance (ft): **90.7**
 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: **YES**
 Remarks:



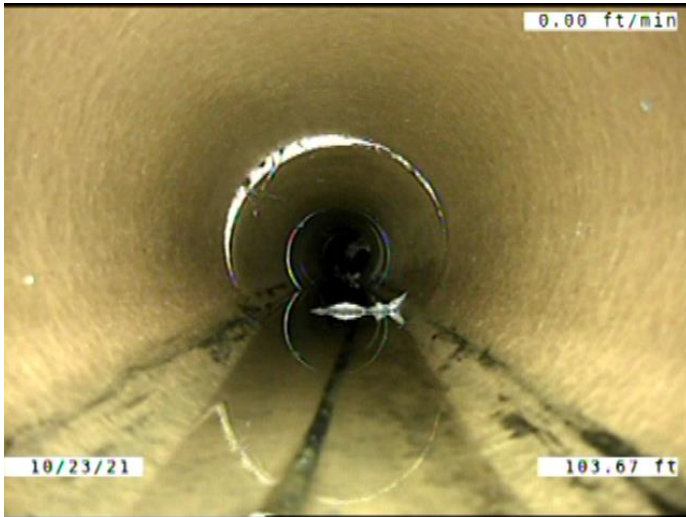
Code: **ISJ**
 Description: **Infiltration Stain Joint**

Distance (ft): **95.0**
 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:



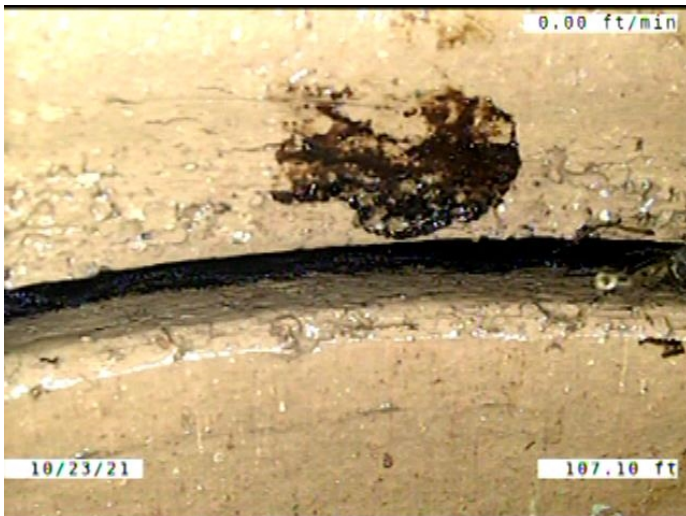
Code: **MWLS**
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **95.9**
 Structural Grade: **2**
 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:



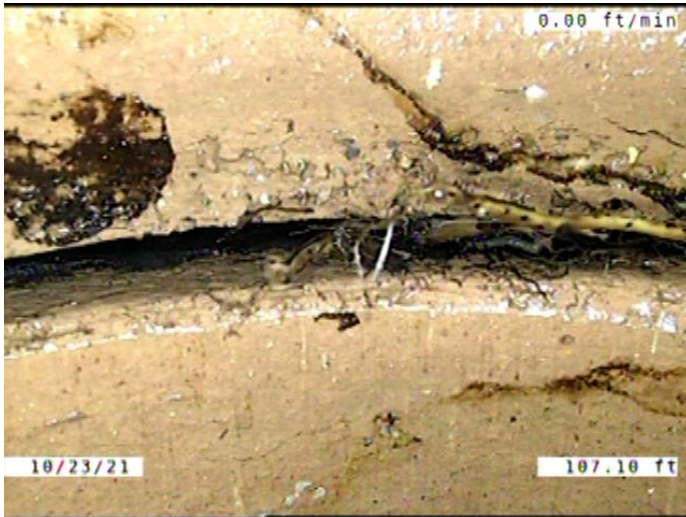
Code: **MWLS**
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **103.7**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index: **S04**
 Within 8" of Joint: **NO**
 Remarks:



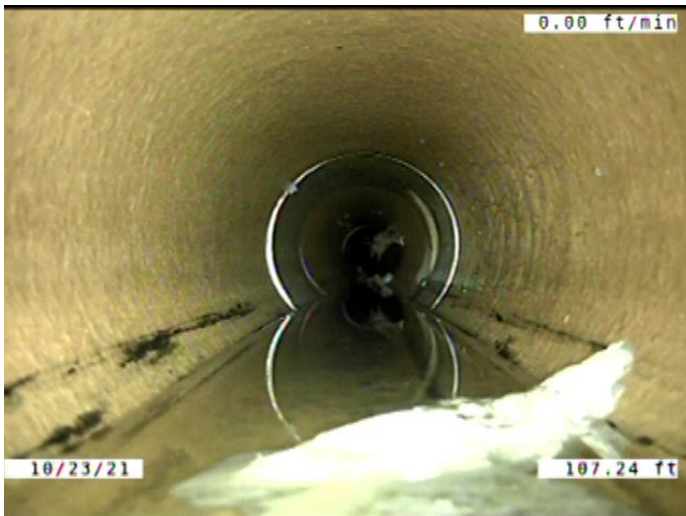
Code: **ISJ**
 Description: **Infiltration Stain Joint**

Distance (ft): **107.1**
 Structural Grade: **0**
 O&M Grade: **1**
 Clock Start/From: **10**
 Clock To: **3**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



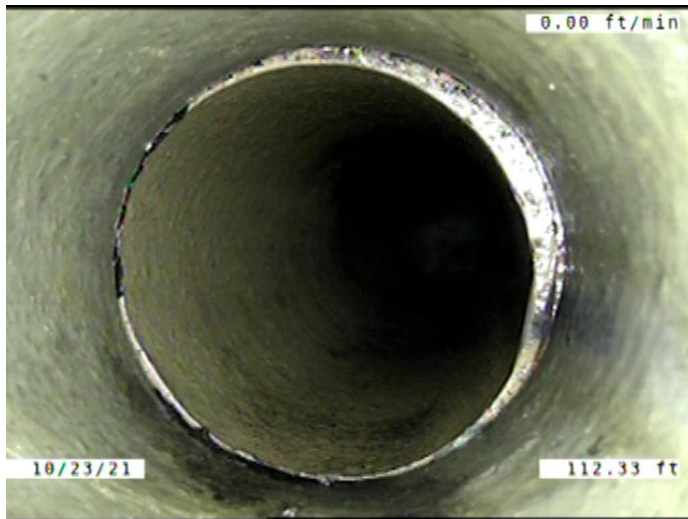
Code: **IDJ**
 Description: **Infiltration Dripper Joint**

Distance (ft): **107.1**
 Structural Grade: **0**
 O&M Grade: **3**
 Clock Start/From: **10**
 Clock To: **11**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



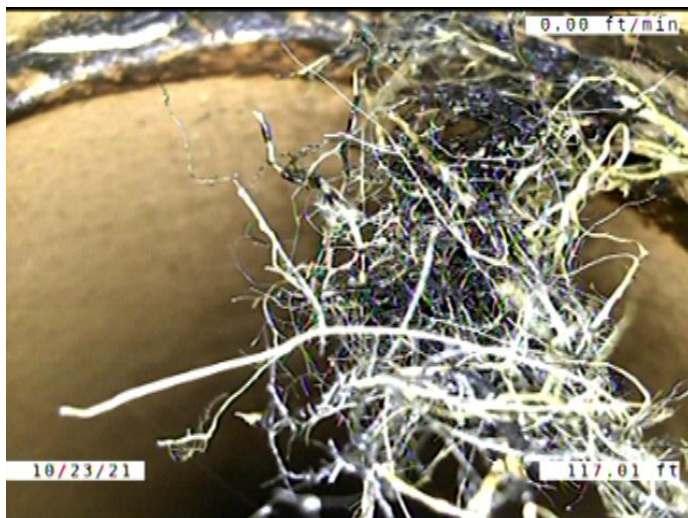
Code: **DSF**
 Description: **Deposits Settled Fine**

Distance (ft): **107.2**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **5**
 Clock To: **7**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index: **S05**
 Within 8" of Joint: **YES**
 Remarks:



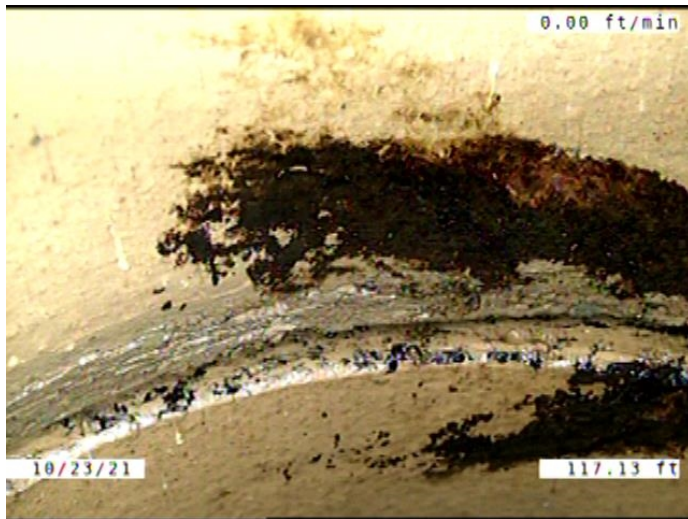
Code: **TF**
 Description: **Tap Factory**

Distance (ft): **112.3**
 Structural Grade: **0**
 O&M Grade: **0**
 Clock Start/From: **2**
 Clock To:
 1st Value: **4.000**
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



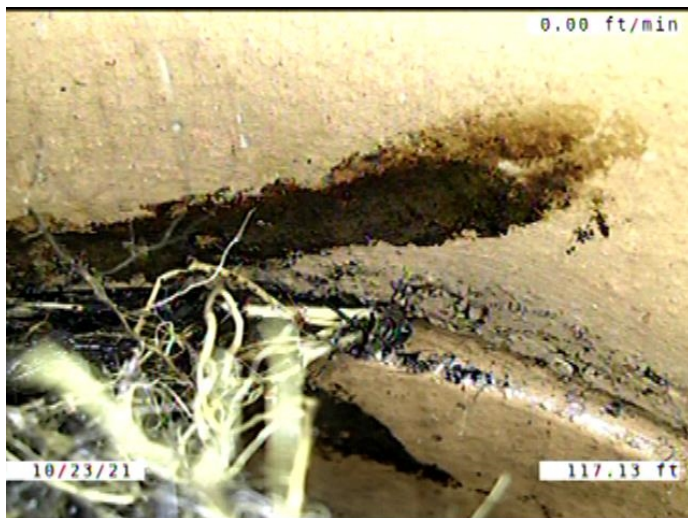
Code: **RMJ**
 Description: **Roots Medium Joint**

Distance (ft): **117.0**
 Structural Grade: **0**
 O&M Grade: **3**
 Clock Start/From: **10**
 Clock To: **3**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



Code: **ISJ**
 Description: **Infiltration Stain Joint**

Distance (ft): **117.1**
 Structural Grade: **0**
 O&M Grade: **1**
 Clock Start/From: **9**
 Clock To: **3**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



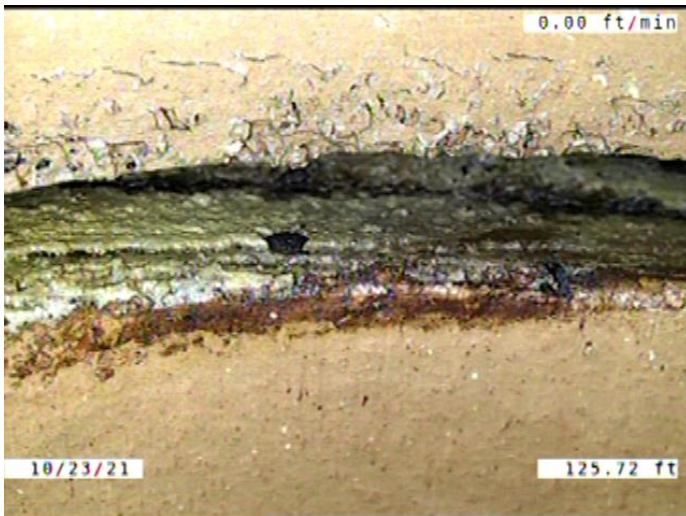
Code: **IWJ**
 Description: **Infiltration Weeper Joint**

Distance (ft): **117.1**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **2**
 Clock To:
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



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

Distance (ft): **121.9**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index: **F04**
 Within 8" of Joint: **NO**
 Remarks:



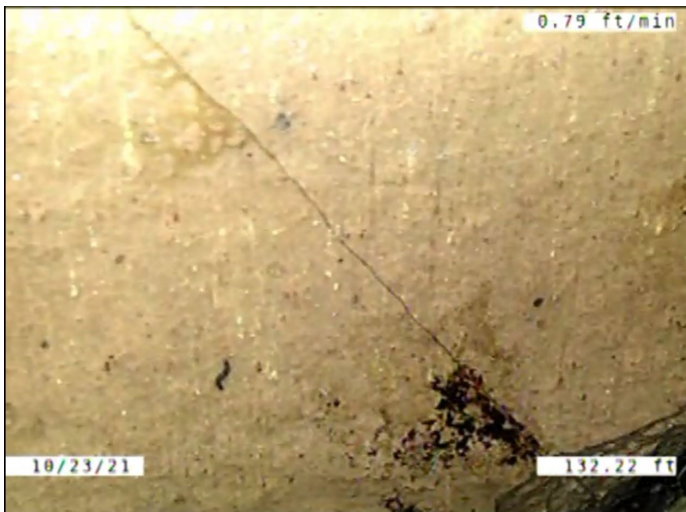
Code: **ISJ**
 Description: **Infiltration Stain Joint**

Distance (ft): **125.7**
 Structural Grade: **0**
 O&M Grade: **1**
 Clock Start/From: **9**
 Clock To: **4**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index: **S06**
 Within 8" of Joint: **YES**
 Remarks:



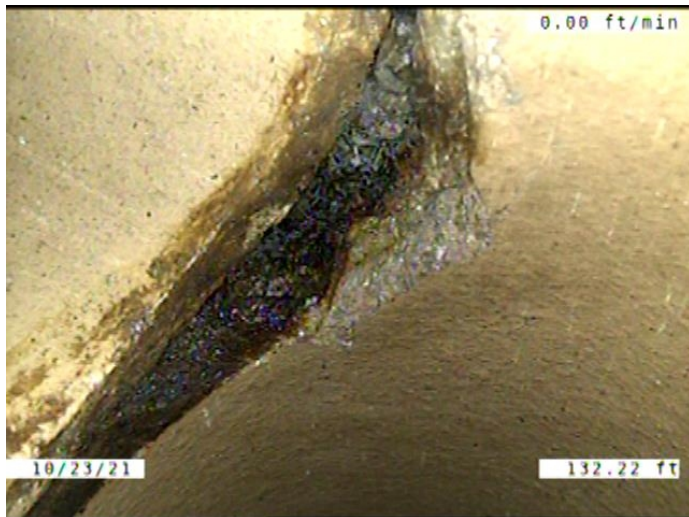
Code: **MWLS**
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **128.8**
 Structural Grade: **2**
 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: **CL**
 Description: **Crack Longitudinal**

Distance (ft): **132.2**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From: **8**
 Clock To:
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks:



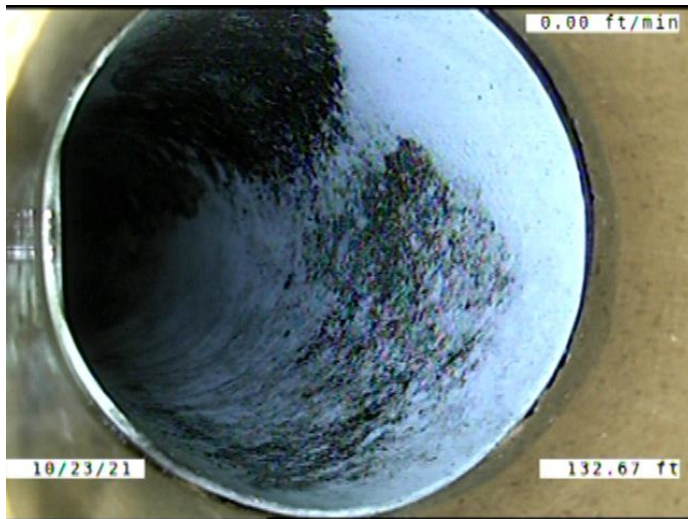
Code: **SSS**
 Description: **Surface Damage Surface Spalling**

Distance (ft): **132.2**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From: **7**
 Clock To: **11**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



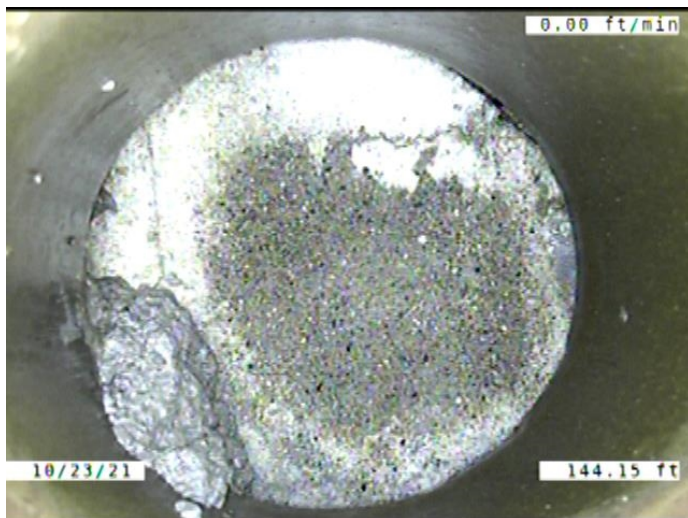
Code: **RFC**
 Description: **Roots Fine Connection**

Distance (ft): **132.2**
 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: **NO**
 Remarks:



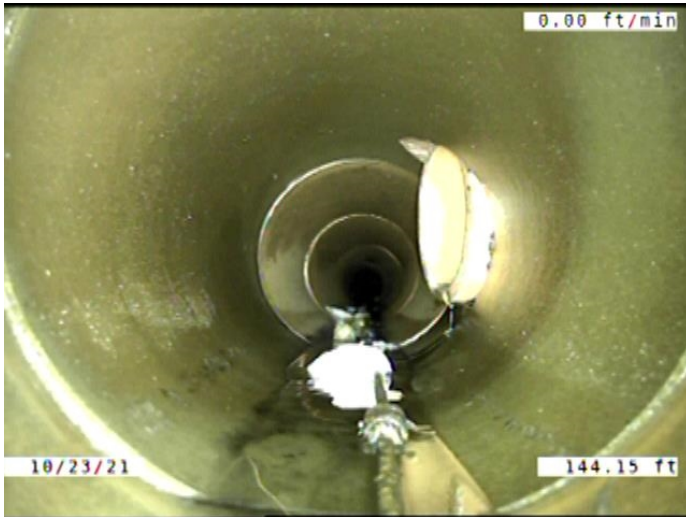
Code: **TBI**
 Description: **Tap Break-in Intruding**

Distance (ft): **132.7**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **10**
 Clock To:
 1st Value: **4.000**
 2nd Value: **1.000**
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



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

Distance (ft): **144.2**
 Structural Grade: **0**
 O&M Grade: **0**
 Clock Start/From: **10**
 Clock To:
 1st Value: **4.000**
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



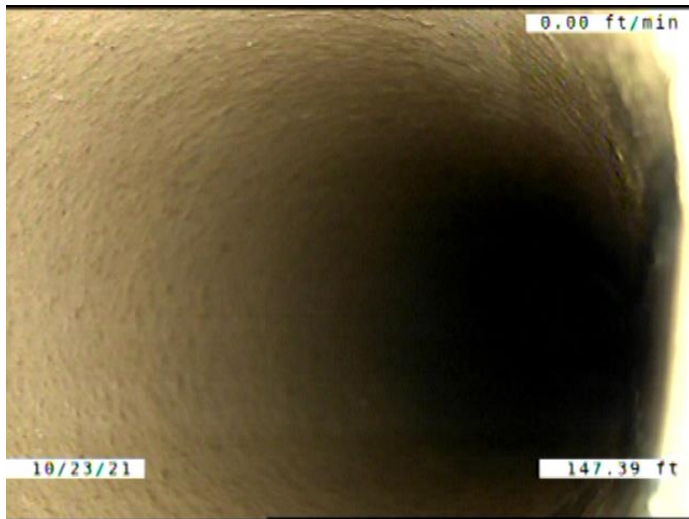
Code: **ISJ**
 Description: **Infiltration Stain Joint**

Distance (ft): **144.2**
 Structural Grade: **0**
 O&M Grade: **1**
 Clock Start/From: **9**
 Clock To: **4**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index: **F06**
 Within 8" of Joint: **YES**
 Remarks:



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

Distance (ft): **146.9**
 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:



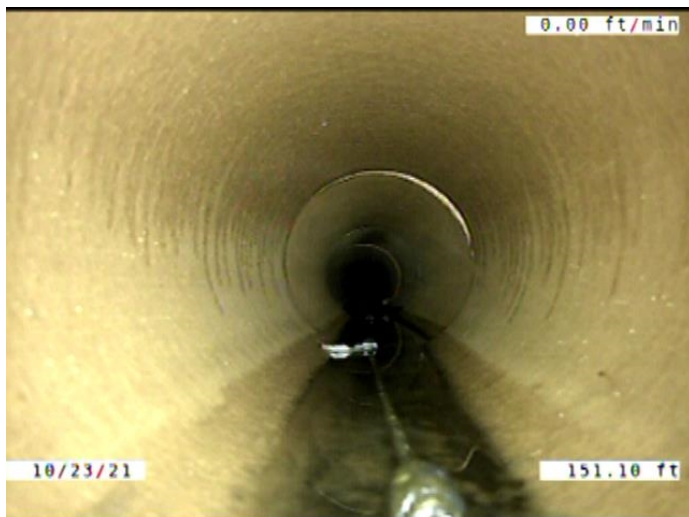
Code: **TBI**
 Description: **Tap Break-in Intruding**

Distance (ft): **147.4**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **2**
 Clock To:
 1st Value: **6.000**
 2nd Value: **2.000**
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



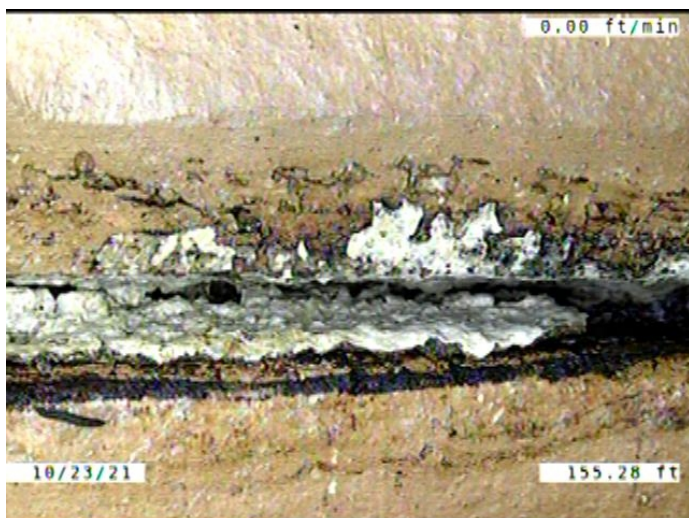
Code: **ISJ**
 Description: **Infiltration Stain Joint**

Distance (ft): **151.1**
 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:



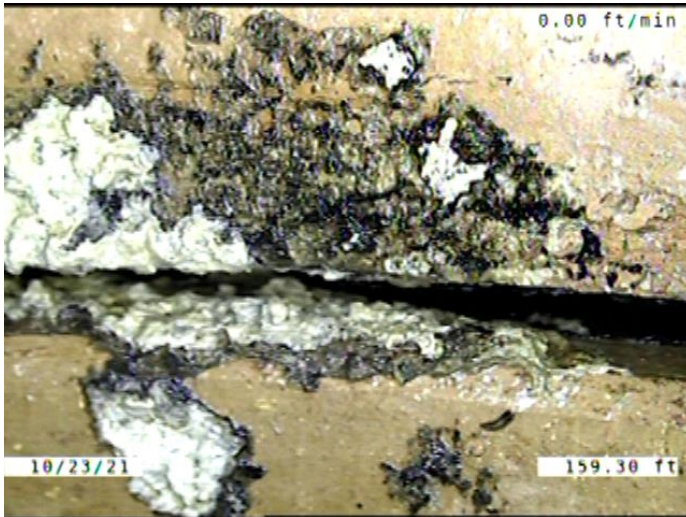
Code: **RFJ**
 Description: **Roots Fine Joint**

Distance (ft): **151.1**
 Structural Grade: **0**
 O&M Grade: **1**
 Clock Start/From: **9**
 Clock To: **3**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index: **F03**
 Within 8" of Joint: **YES**
 Remarks:



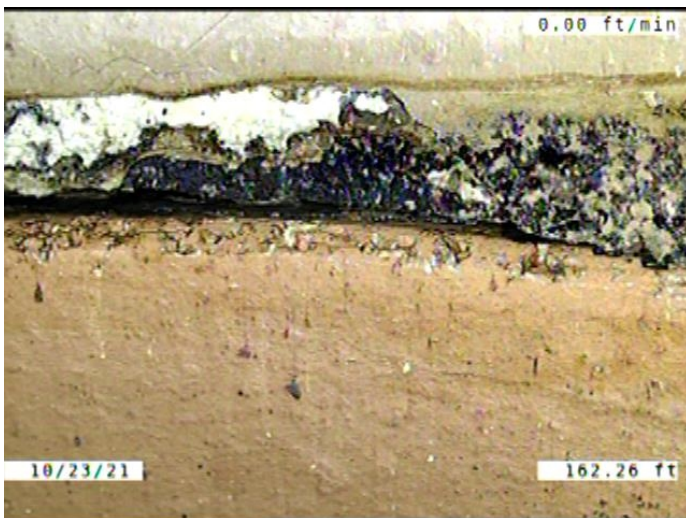
Code: **DAE**
 Description: **Deposits Attached Encrustation**

Distance (ft): **155.3**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **9**
 Clock To: **11**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



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

Distance (ft): **159.3**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **9**
 Clock To: **4**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



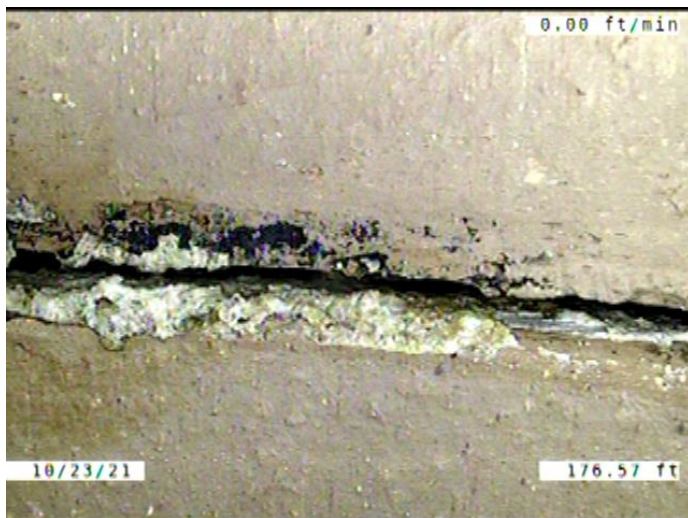
Code: **DAE**
 Description: **Deposits Attached Encrustation**

Distance (ft): **162.3**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **8**
 Clock To: **4**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



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

Distance (ft): **166.4**
 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: **YES**
 Remarks:



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

Distance (ft): **176.6**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **9**
 Clock To: **3**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index: **S07**
 Within 8" of Joint: **YES**
 Remarks:



Code: **OBZ**
 Description: **Obstruction Other**

Distance (ft): **196.5**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **5**
 Clock To: **9**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index: **F02**
 Within 8" of Joint: **YES**
 Remarks: **LOOKS LIKE A SEWER RODDER**



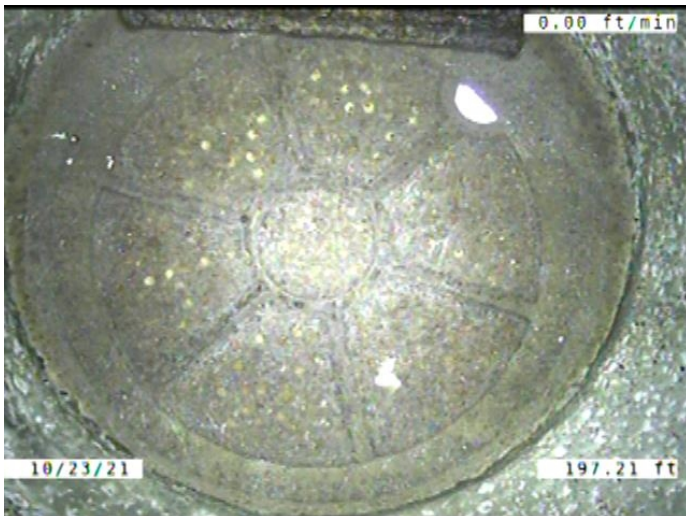
Code: **DSF**
 Description: **Deposits Settled Fine**

Distance (ft): **196.5**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **5**
 Clock To: **7**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index: **F05**
 Within 8" of Joint: **YES**
 Remarks:



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

Distance (ft): **196.5**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **9**
 Clock To: **3**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index: **F07**
 Within 8" of Joint: **YES**
 Remarks:



Code: **AMH**
 Description: **Manhole**

Distance (ft): **197.2**
 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-404-012**