

Profile/Photo Observation Report



| | | | | | |
|-------------------|----------------|-------------|----------------|------------|----------------|
| Date: | 09/01/2021 | Weather: | | Coding: | PACP 7.0 |
| Pipe Length (ft): | 318.0 | Owner: | City of Hobart | Pre Clean: | Light Cleaning |
| P.O.#: | YES502259 | Surveyor: | S. Bucklin | PSR: | P-404-016-015 |
| Customer: | City of Hobart | Clean Date: | 08/29/2021 | Shape: | C |

| | | | |
|-------------------|---------------------------------|-----------------------------|----------------|
| Street: | North Wabash Street | Flow Control: | Not Controlled |
| City: | Hobart, IN | Year Renewed: | |
| Location: | Easement/Right of Way | Tape/Media #: | |
| Purpose: | Routine Assessment | Dia/Height: | 10" |
| Use: | Sanitary Sewage Pipe | Material: | VCP |
| Drain Area: | | Lining: | |
| Category: | NA | | |
| Comment: | | | |
| Location Details: | IN FRONT OF THE HOUSE. IN THEIR | Direction of Survey: | Downstream |
| US MH: | M-404-015 | DS MH: | M-404-016 |
| | | Total Length Surveyed (ft): | 318.0 |

| | | | | | |
|-------------------|------|-------------------|------|--------------------|--------|
| O&M Index: | 2.03 | O&M Quick: | 4233 | O&M Rating: | 138.00 |
| Structural Index: | 2.03 | Structural Quick: | 312F | Structural Rating: | 81.00 |
| Overall Index: | 2.03 | Overall Quick: | 4234 | Overall Rating: | 219.00 |

| Position | Code | Observation | Video (sec) | Grade |
|----------|-----------|--------------------------------|-------------|-------|
| | | | | |
| .0 | AMH | Manhole | 1 | NA |
| .0 | MWL | Miscellaneous Water Level | 80 | NA |
| 17.5 | TFD | Tap Factory Defective | 185 | M 3 |
| 20.1 | MWLS(S01) | Miscellaneous Water Level Sag | 216 | S 2 |
| 28.2 | MWLS(F01) | Miscellaneous Water Level Sag | 260 | S 2 |
| 40.1 | TFD | Tap Factory Defective | 353 | M 3 |
| 40.1 | RML | Roots Medium Lateral | 377 | M 3 |
| 40.1 | DAE | Deposits Attached Encrustation | 394 | M 2 |
| 50.2 | DSF(S02) | Deposits Settled Fine | 446 | M 2 |
| 50.2 | MWLS(S03) | Miscellaneous Water Level Sag | 454 | S 2 |
| 57.8 | TFC | Tap Factory Capped | 526 | NA |
| 59.0 | DAE | Deposits Attached Encrustation | 581 | M 2 |
| 59.0 | IRJ | Infiltration Runner Joint | 605 | M 4 |
| 64.3 | ISJ | Infiltration Stain Joint | 678 | M 1 |
| 64.4 | MWLS(F03) | Miscellaneous Water Level Sag | 700 | S 2 |
| 71.7 | MWLS(S04) | Miscellaneous Water Level Sag | 740 | S 2 |
| 74.6 | ISJ | Infiltration Stain Joint | 798 | M 1 |
| 83.1 | MWLS(F04) | Miscellaneous Water Level Sag | 850 | S 2 |
| 91.4 | MWLS(S05) | Miscellaneous Water Level Sag | 884 | S 2 |

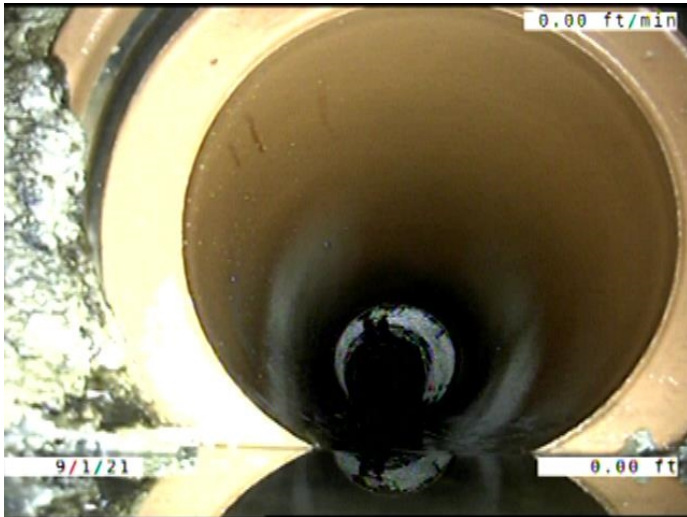
| | | | | |
|-------|-----------|--------------------------------|------|-----|
| 111.4 | TFC | Tap Factory Capped | 966 | NA |
| 113.4 | TF | Tap Factory | 1004 | NA |
| 120.0 | IRJ | Infiltration Runner Joint | 1058 | M 4 |
| 120.0 | ISJ | Infiltration Stain Joint | 1088 | M 1 |
| 124.5 | MWLS(F05) | Miscellaneous Water Level Sag | 1139 | S 2 |
| 154.8 | MWLS | Miscellaneous Water Level Sag | 1253 | S 2 |
| 165.9 | CM | Crack Multiple | 1327 | S 3 |
| 165.9 | ISJ | Infiltration Stain Joint | 1365 | M 1 |
| 172.2 | TFC | Tap Factory Capped | 1424 | NA |
| 174.2 | TFC | Tap Factory Capped | 1460 | NA |
| 179.6 | MWLS | Miscellaneous Water Level Sag | 1497 | S 2 |
| 191.7 | MWLS(S06) | Miscellaneous Water Level Sag | 1546 | S 2 |
| 203.1 | MWLS(F06) | Miscellaneous Water Level Sag | 1598 | S 2 |
| 216.4 | DAE | Deposits Attached Encrustation | 1688 | M 2 |
| 216.4 | IWJ | Infiltration Weeper Joint | 1737 | M 2 |
| 216.4 | CS | Crack Spiral | 1824 | S 2 |
| 217.3 | TFC | Tap Factory Capped | 1866 | NA |
| 218.1 | MWLS(S07) | Miscellaneous Water Level Sag | 1903 | S 2 |
| 290.1 | ISJ | Infiltration Stain Joint | 2182 | M 1 |
| 310.9 | DAE | Deposits Attached Encrustation | 2295 | M 2 |
| 315.8 | MWLS(F07) | Miscellaneous Water Level Sag | 2330 | S 2 |
| 315.8 | DSF(F02) | Deposits Settled Fine | 2339 | M 2 |
| 318.0 | AMH | Manhole | 2424 | NA |

M-404-016



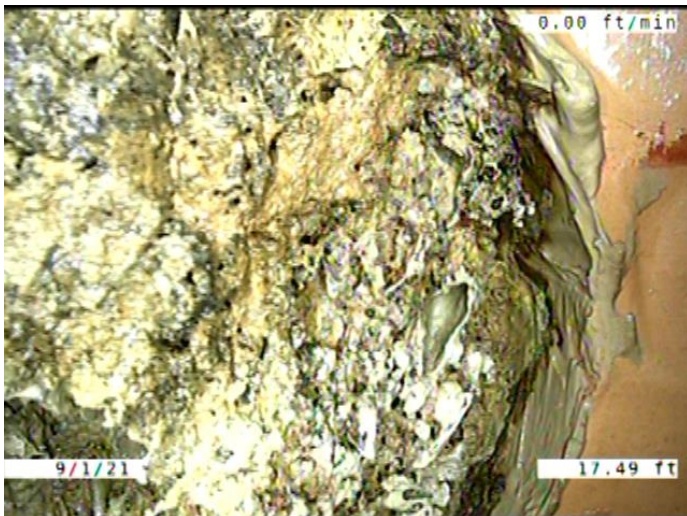
Code: **AMH**
Description: **Manhole**

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-404-015**



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:



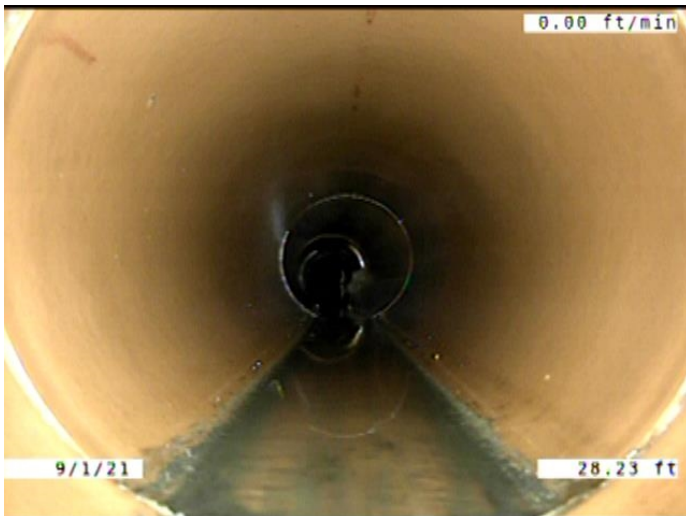
Code: **TFD**
 Description: **Tap Factory Defective**

Distance (ft): **17.5**
 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: **100% PLUGGED WITH ENCRUSTATION**



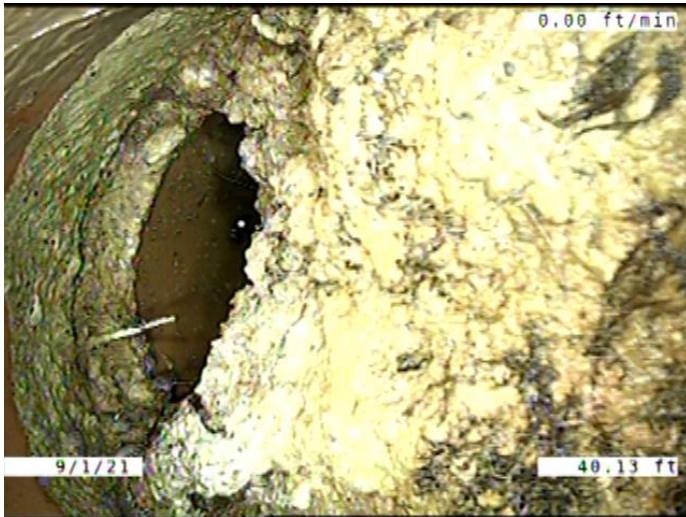
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **20.1**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **S01**
Within 8" of Joint: **NO**
Remarks:



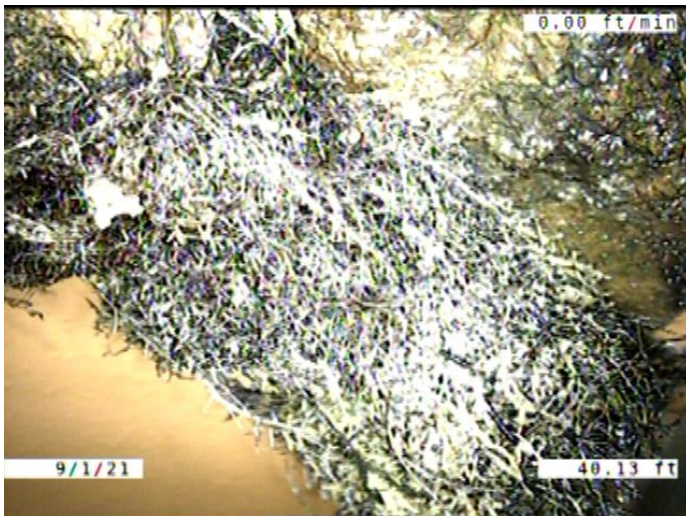
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **28.2**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **F01**
Within 8" of Joint: **NO**
Remarks:



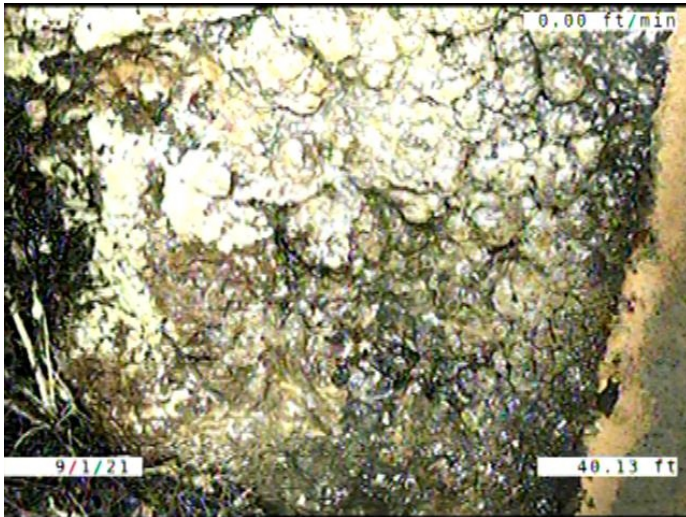
Code: **TFD**
 Description: **Tap Factory Defective**

Distance (ft): **40.1**
 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: **ENCrustATION AND ROOTS COMING INTO THE MAIN**



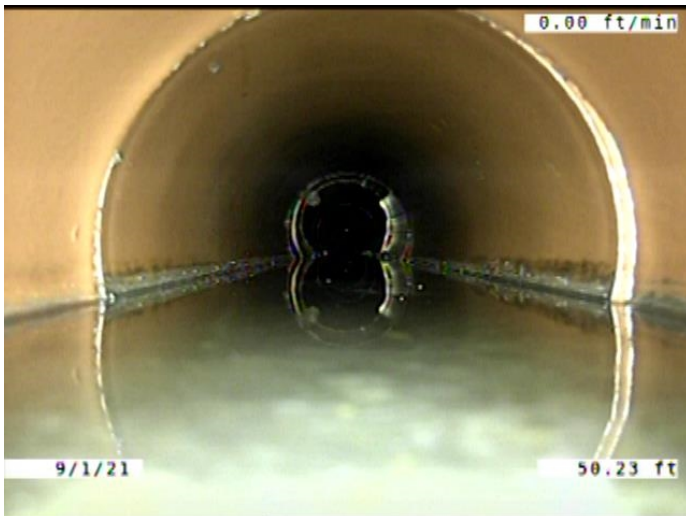
Code: **RML**
 Description: **Roots Medium Lateral**

Distance (ft): **40.1**
 Structural Grade: **0**
 O&M Grade: **3**
 Clock Start/From: **2**
 Clock To: **4**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks:



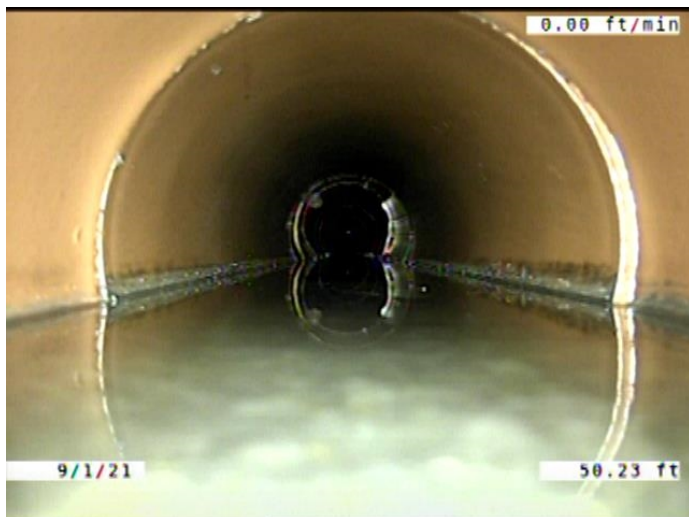
Code: **DAE**
 Description: **Deposits Attached Encrustation**

Distance (ft): **40.1**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **3**
 Clock To: **4**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



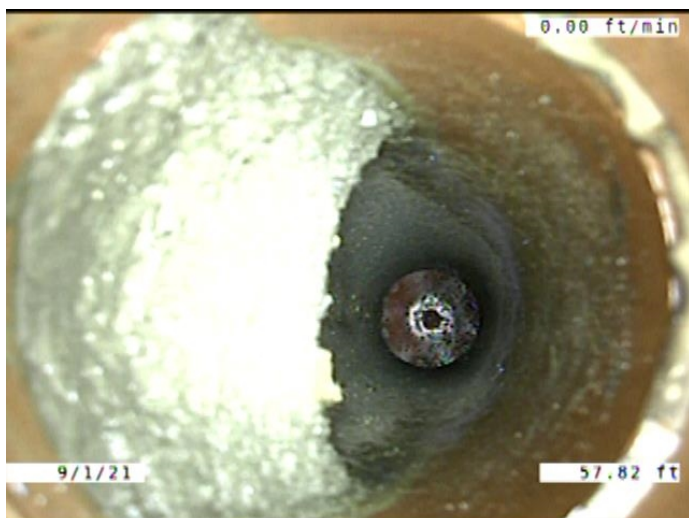
Code: **DSF**
 Description: **Deposits Settled Fine**

Distance (ft): **50.2**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **5**
 Clock To: **7**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index: **S02**
 Within 8" of Joint: **YES**
 Remarks:



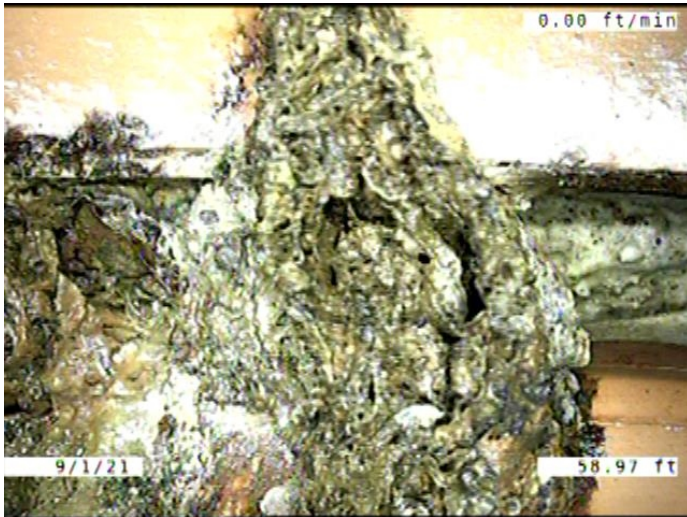
Code: **MWLS**
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **50.2**
 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:



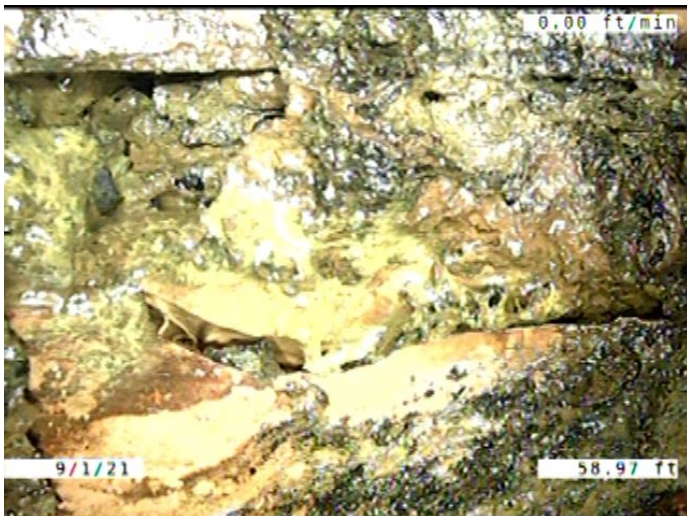
Code: **TFC**
 Description: **Tap Factory Capped**

Distance (ft): **57.8**
 Structural Grade: **0**
 O&M Grade: **0**
 Clock Start/From: **9**
 Clock To:
 1st Value: **4.000**
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



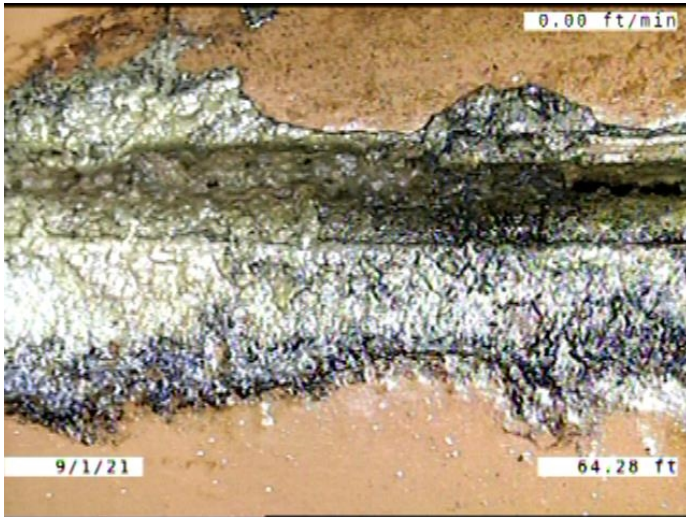
Code: **DAE**
 Description: **Deposits Attached Encrustation**

Distance (ft): **59.0**
 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:



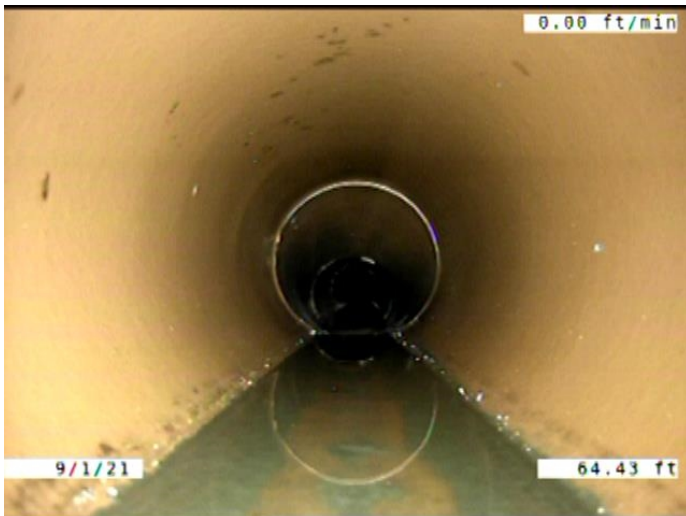
Code: **IRJ**
 Description: **Infiltration Runner Joint**

Distance (ft): **59.0**
 Structural Grade: **0**
 O&M Grade: **4**
 Clock Start/From: **9**
 Clock To:
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



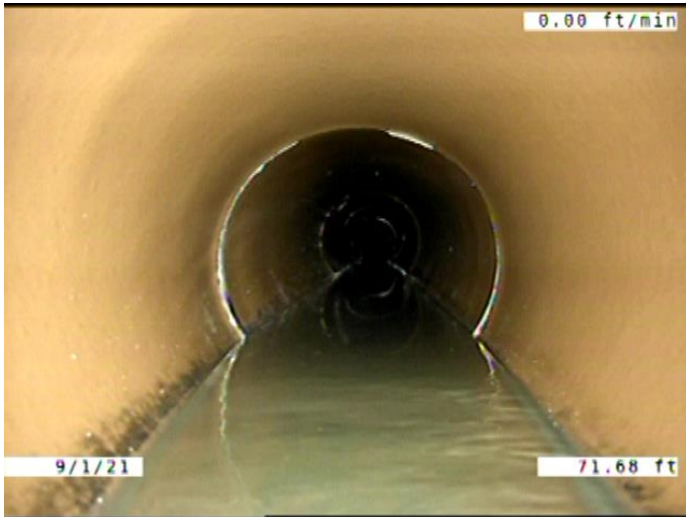
Code: **ISJ**
 Description: **Infiltration Stain Joint**

Distance (ft): **64.3**
 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:



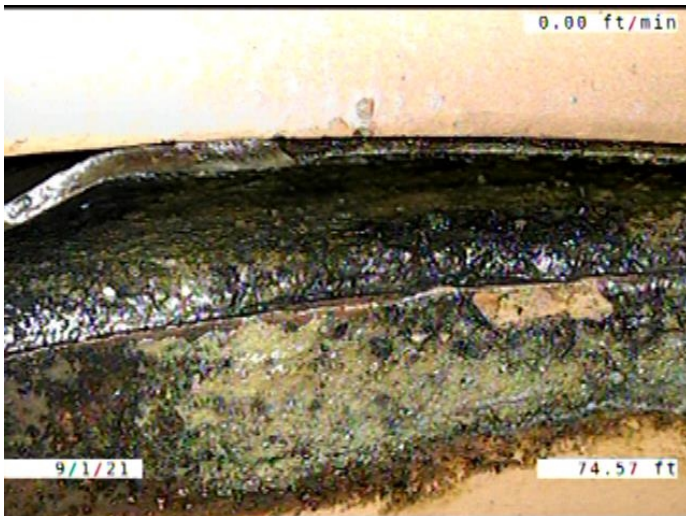
Code: **MWLS**
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **64.4**
 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:



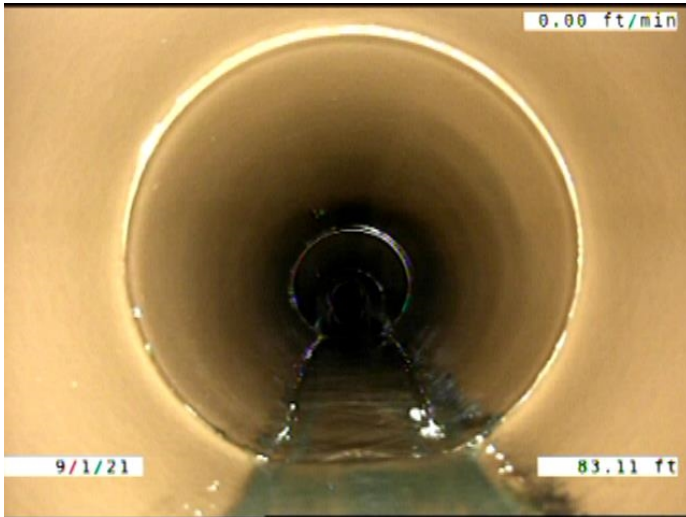
Code: **MWLS**
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **71.7**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **10.000**
 Continuous Index: **S04**
 Within 8" of Joint: **NO**
 Remarks:



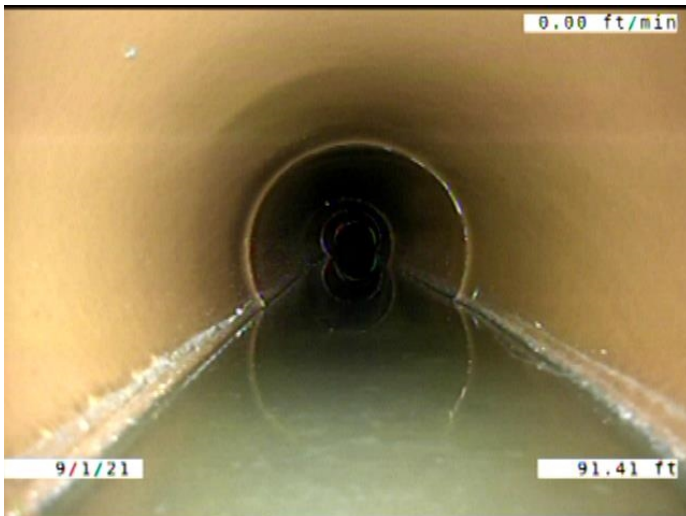
Code: **ISJ**
 Description: **Infiltration Stain Joint**

Distance (ft): **74.6**
 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:



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

Distance (ft): **83.1**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **10.000**
Continuous Index: **F04**
Within 8" of Joint: **NO**
Remarks:



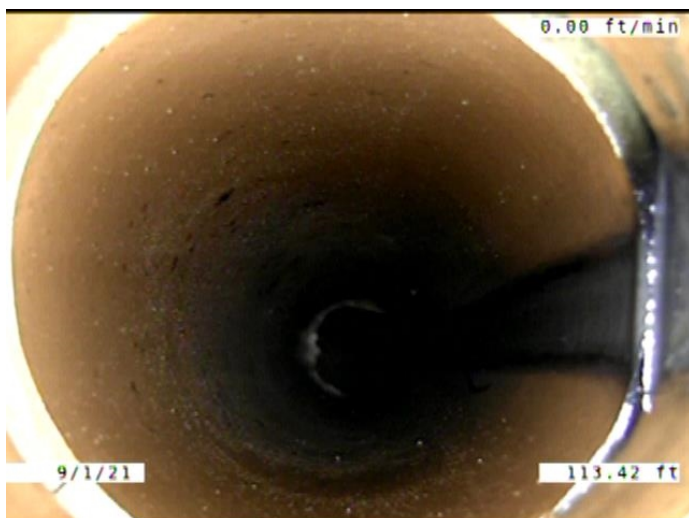
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **91.4**
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:



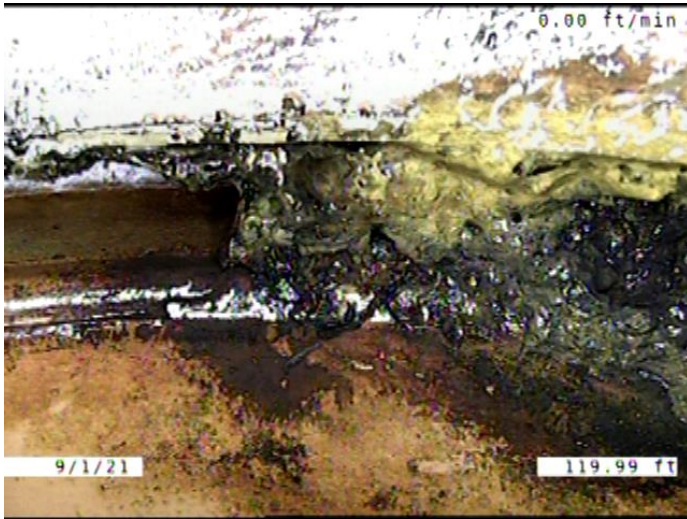
Code: **TFC**
 Description: **Tap Factory Capped**

Distance (ft): **111.4**
 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:



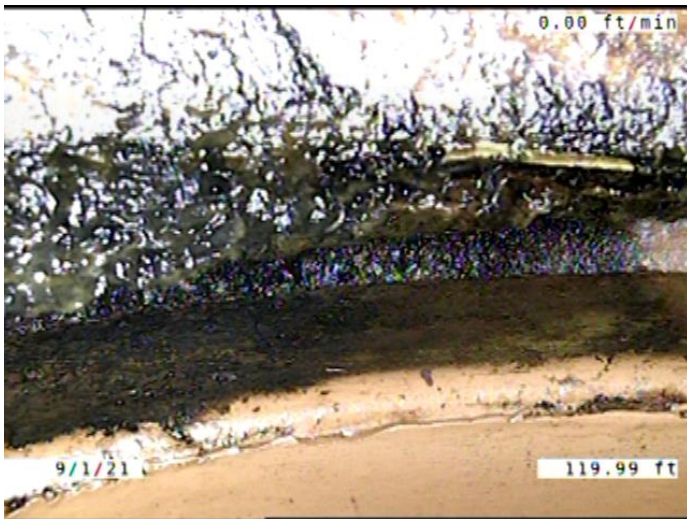
Code: **TF**
 Description: **Tap Factory**

Distance (ft): **113.4**
 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:



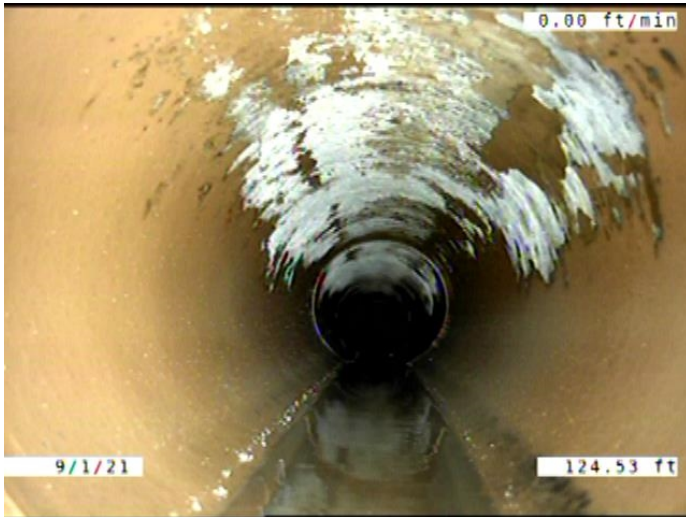
Code: **IRJ**
 Description: **Infiltration Runner Joint**

Distance (ft): **120.0**
 Structural Grade: **0**
 O&M Grade: **4**
 Clock Start/From: **1**
 Clock To:
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



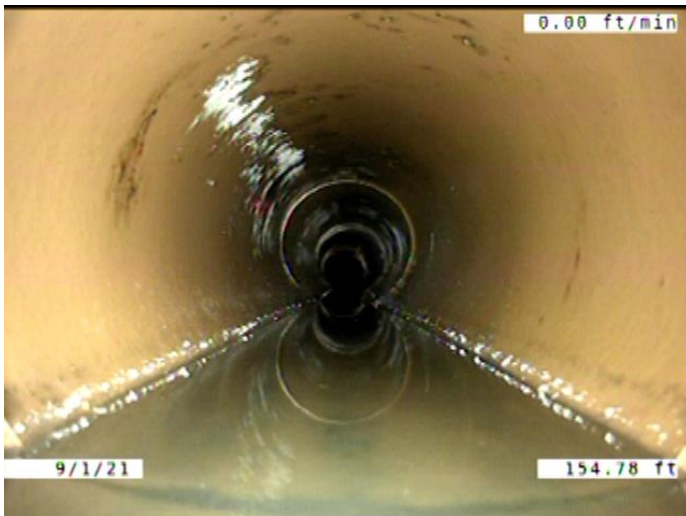
Code: **ISJ**
 Description: **Infiltration Stain Joint**

Distance (ft): **120.0**
 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:



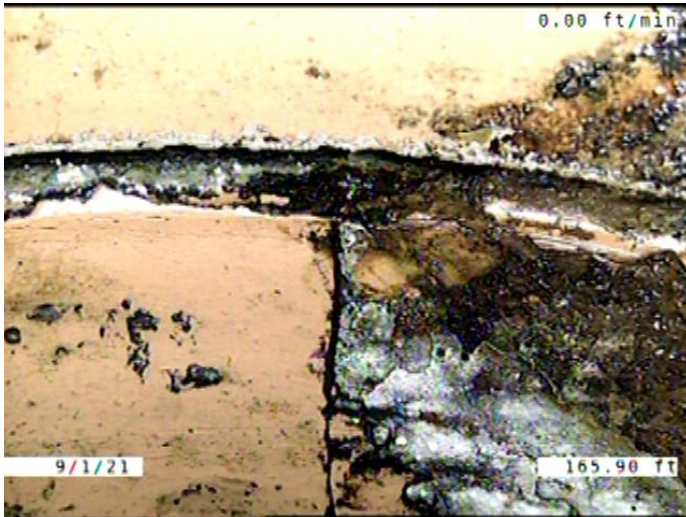
Code: **MWLS**
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **124.5**
 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:



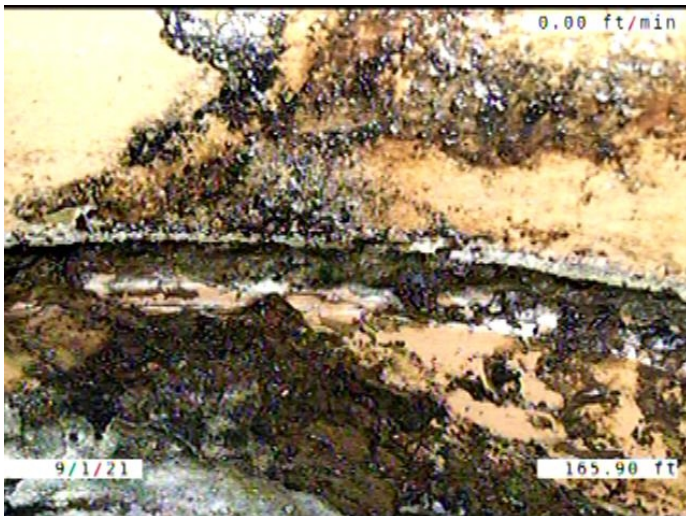
Code: **MWLS**
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **154.8**
 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:



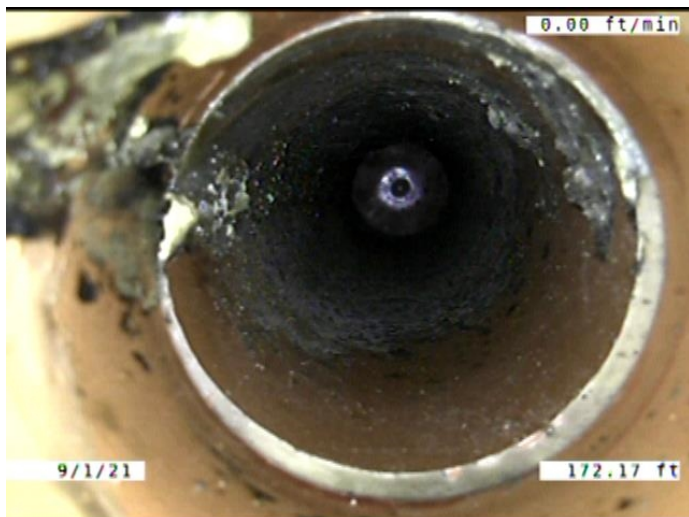
Code: **CM**
 Description: **Crack Multiple**

Distance (ft): **165.9**
 Structural Grade: **3**
 O&M Grade: **0**
 Clock Start/From: **2**
 Clock To: **4**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



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

Distance (ft): **165.9**
 Structural Grade: **0**
 O&M Grade: **1**
 Clock Start/From: **7**
 Clock To: **5**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



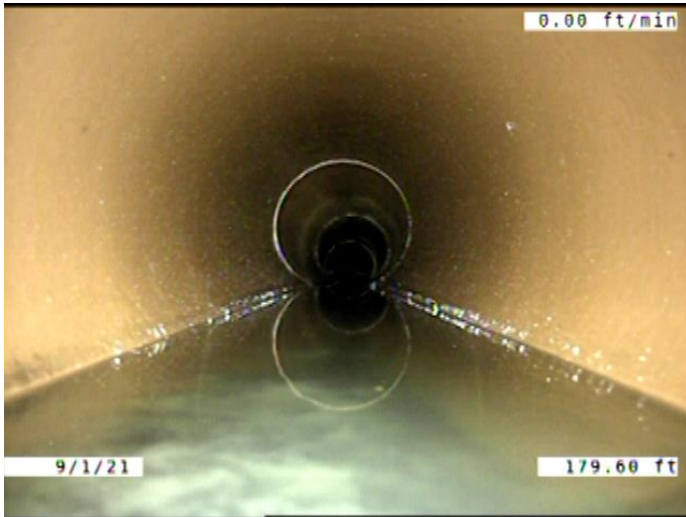
Code: **TFC**
 Description: **Tap Factory Capped**

Distance (ft): **172.2**
 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:



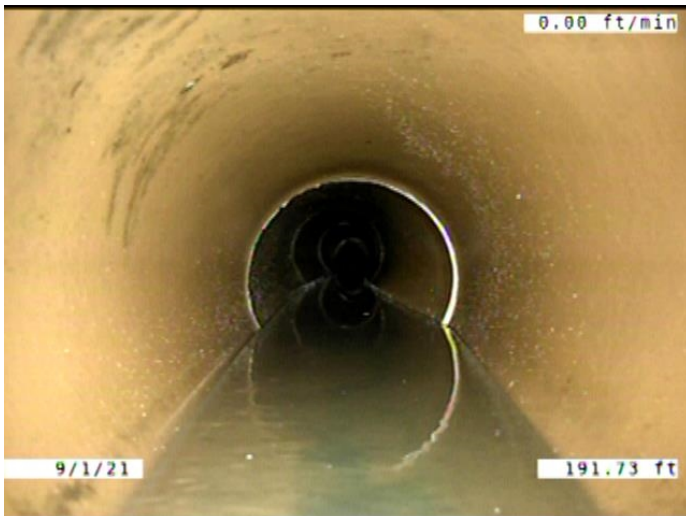
Code: **TFC**
 Description: **Tap Factory Capped**

Distance (ft): **174.2**
 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:



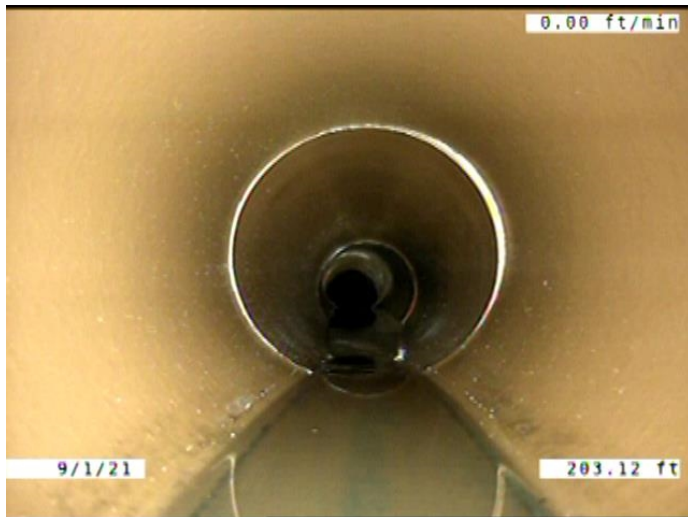
Code: **MWLS**
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **179.6**
 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:



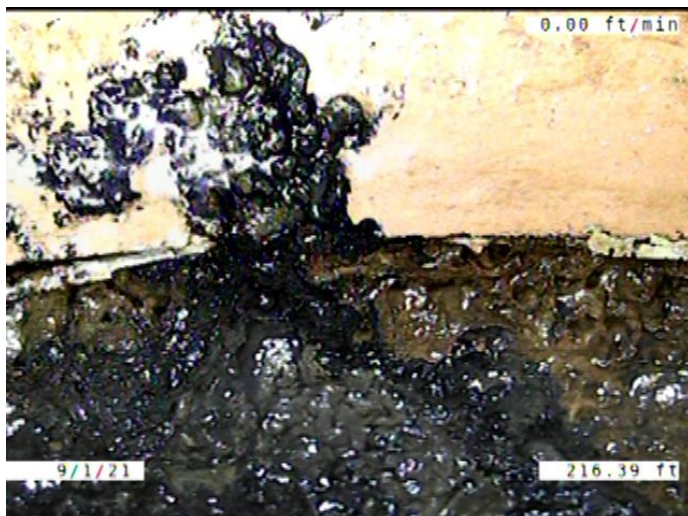
Code: **MWLS**
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **191.7**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **10.000**
 Continuous Index: **S06**
 Within 8" of Joint: **NO**
 Remarks:



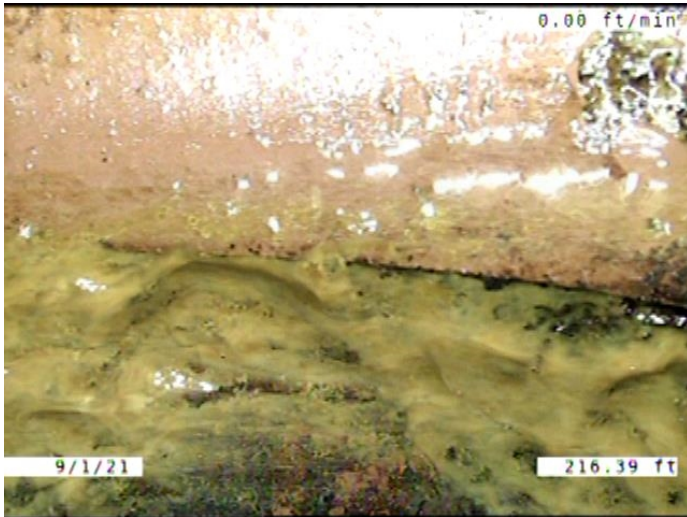
Code: **MWLS**
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **203.1**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **10.000**
 Continuous Index: **F06**
 Within 8" of Joint: **NO**
 Remarks:



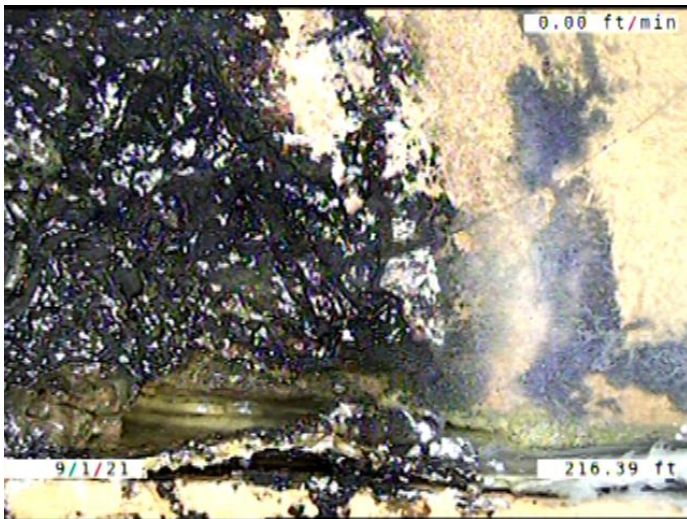
Code: **DAE**
 Description: **Deposits Attached Encrustation**

Distance (ft): **216.4**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **7**
 Clock To: **5**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



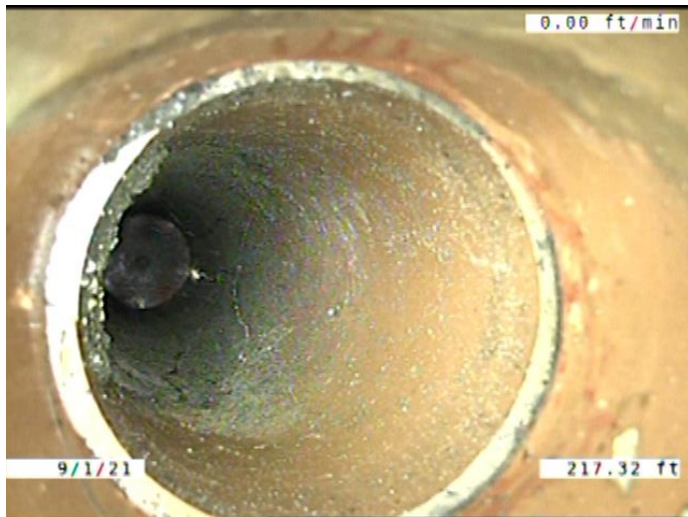
Code: **IWJ**
 Description: **Infiltration Weeper Joint**

Distance (ft): **216.4**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **3**
 Clock To:
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



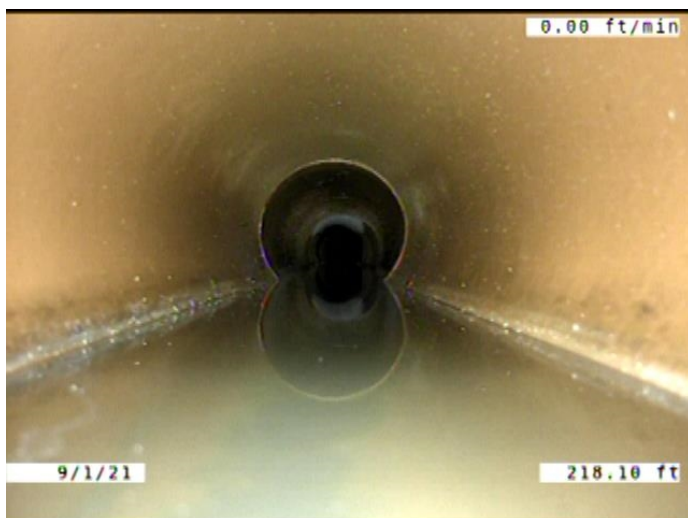
Code: **CS**
 Description: **Crack Spiral**

Distance (ft): **216.4**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From: **4**
 Clock To: **7**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



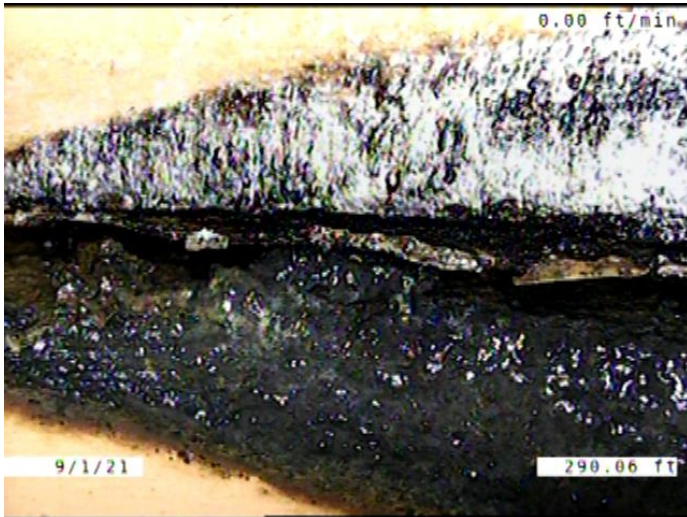
Code: **TFC**
 Description: **Tap Factory Capped**

Distance (ft): **217.3**
 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:



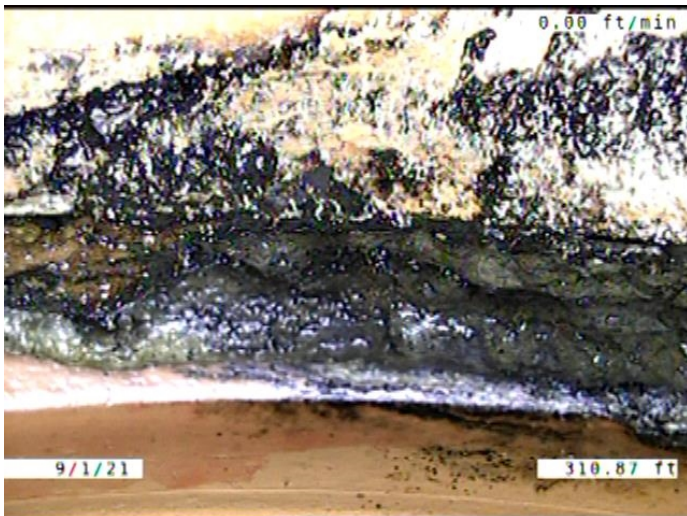
Code: **MWLS**
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **218.1**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **10.000**
 Continuous Index: **S07**
 Within 8" of Joint: **NO**
 Remarks:



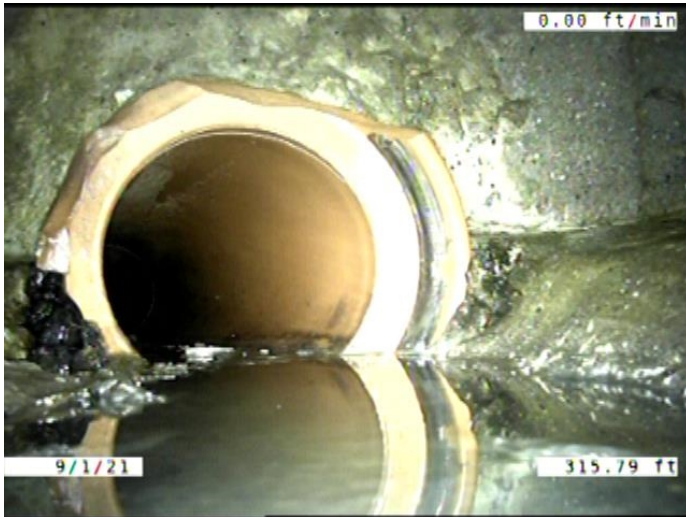
Code: **ISJ**
 Description: **Infiltration Stain Joint**

Distance (ft): **290.1**
 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:



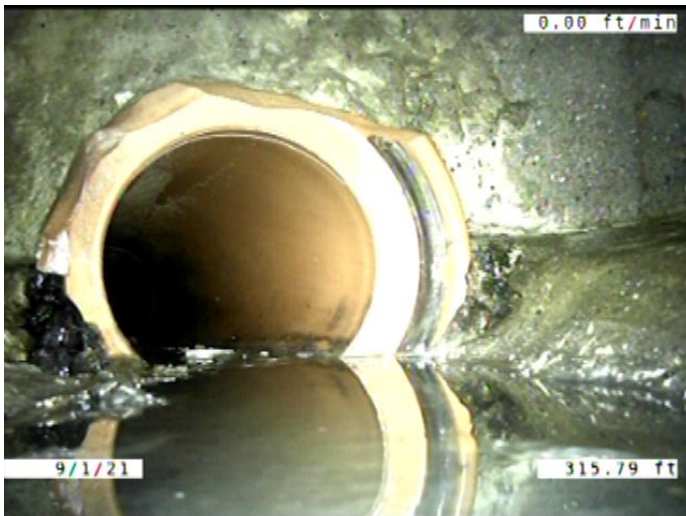
Code: **DAE**
 Description: **Deposits Attached Encrustation**

Distance (ft): **310.9**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **7**
 Clock To: **5**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



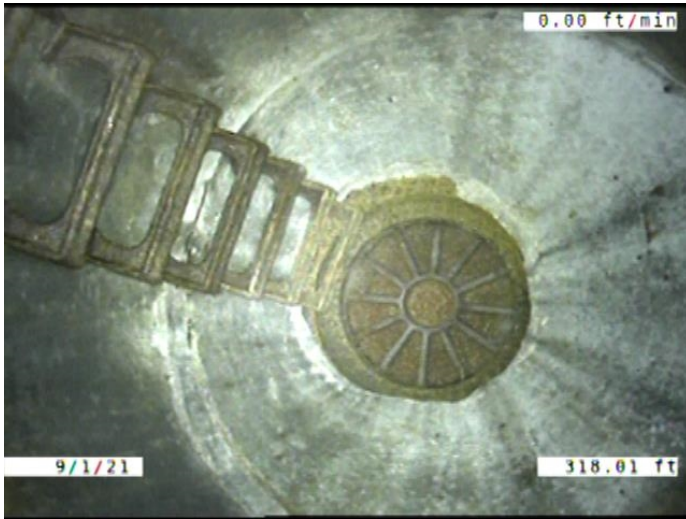
Code: **MWLS**
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **315.8**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **10.000**
 Continuous Index: **F07**
 Within 8" of Joint: **NO**
 Remarks:



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

Distance (ft): **315.8**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **5**
 Clock To: **7**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index: **F02**
 Within 8" of Joint: **YES**
 Remarks:



| | |
|---------------------|-----------|
| Code: | AMH |
| Description: | Manhole |
| Distance (ft): | 318.0 |
| 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-404-016 |