

Profile/Photo Observation Report



| | | | | | |
|-------------------|-----------------------|-------------|-----------------------|------------|-----------------------|
| Date: | 06/12/2023 | Weather: | | Coding: | PACP 7.0 |
| Pipe Length (ft): | 269.4 | Owner: | City of Hobart | Pre Clean: | Heavy Cleaning |
| P.O.#: | YES502259 | Surveyor: | S. Bucklin | PSR: | P-903-009-006 |
| Customer: | City of Hobart | Clean Date: | 06/11/2023 | Shape: | C |

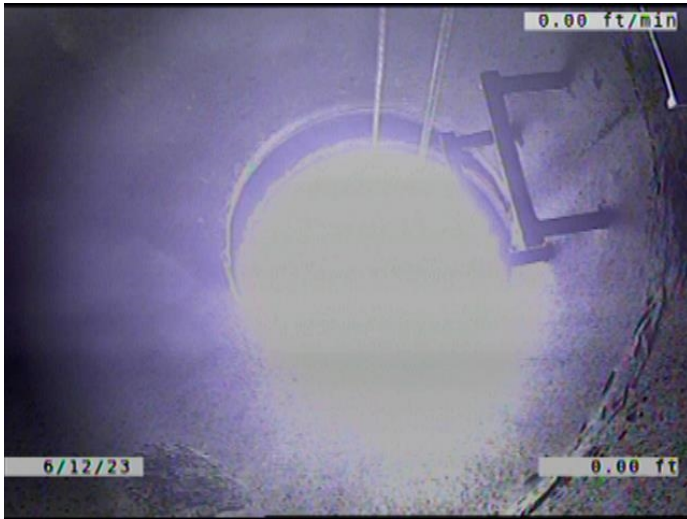
| | | | |
|-------------------|------------------------------|-----------------------------|-----------------------|
| Street: | East 38th Avenue | Flow Control: | Not Controlled |
| City: | Hobart, IN | Year Renewed: | |
| Location: | Easement/Right of Way | Tape/Media #: | |
| Purpose: | Routine Assessment | Dia/Height: | 10" |
| Use: | Sanitary Sewage Pipe | Material: | VCP |
| Drain Area: | | Lining: | None |
| Category: | NA | | |
| Comment: | | | |
| Location Details: | | Direction of Survey: | Upstream |
| US MH: | M-903-006 | DS MH: | M-903-009 |
| | | Total Length Surveyed (ft): | 269.4 |

| | | | | | |
|-------------------|-------------|-------------------|-------------|--------------------|---------------|
| O&M Index: | 1.18 | O&M Quick: | 3423 | O&M Rating: | 72.00 |
| Structural Index: | 2.25 | Structural Quick: | 4531 | Structural Rating: | 99.00 |
| Overall Index: | 1.63 | Overall Quick: | 4535 | Overall Rating: | 171.00 |

| Position | Code | Observation | Video (sec) | Grade |
|----------|-----------|---------------------------------|-------------|-------|
| | | | | |
| .0 | AMH | Manhole | 0 | NA |
| .0 | MWL | Miscellaneous Water Level | 88 | NA |
| 7.6 | MWLS(S01) | Miscellaneous Water Level Sag | 162 | S 2 |
| 20.8 | RFJ(S02) | Roots Fine Joint | 278 | M 1 |
| 37.9 | MWLS(F01) | Miscellaneous Water Level Sag | 369 | S 2 |
| 49.9 | MWL | Miscellaneous Water Level | 434 | NA |
| 72.5 | TFD | Tap Factory Defective | 543 | M 3 |
| 76.9 | MWL | Miscellaneous Water Level | 582 | NA |
| 82.8 | MWLS(S03) | Miscellaneous Water Level Sag | 613 | S 2 |
| 92.4 | MWLS(F03) | Miscellaneous Water Level Sag | 651 | S 2 |
| 100.8 | MWLS(S04) | Miscellaneous Water Level Sag | 689 | S 2 |
| 111.5 | SSS | Surface Damage Surface Spalling | 760 | S 2 |
| 112.1 | TB | Tap Break-in/Hammer | 785 | NA |
| 123.8 | CM | Crack Multiple | 906 | S 3 |
| 123.8 | ISB(S06) | Infiltration Stain Barrel | 915 | M 1 |
| 123.8 | ISB(S07) | Infiltration Stain Barrel | 934 | M 1 |
| 126.1 | SSS | Surface Damage Surface Spalling | 965 | S 2 |
| 126.5 | TBD | Tap Break-in/Hammer Defective | 1024 | M 3 |
| 126.5 | RML | Roots Medium Lateral | 1036 | M 3 |

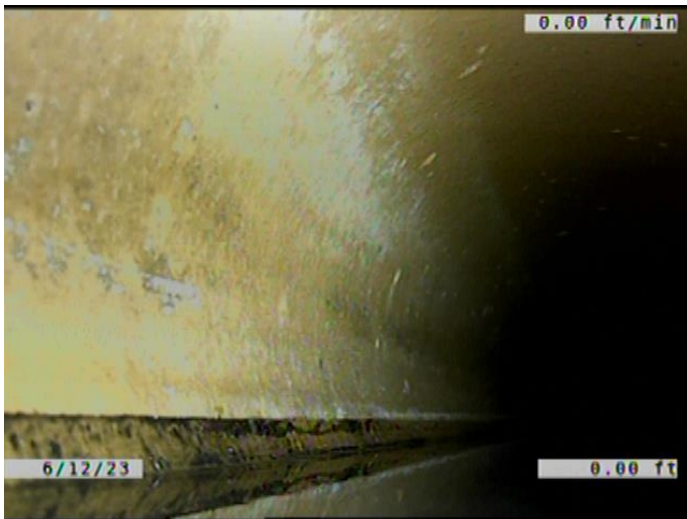
| | | | | |
|-------|-----------|-------------------------------|------|-----|
| 127.6 | ISB(F06) | Infiltration Stain Barrel | 1090 | M 1 |
| 127.6 | ISB(F07) | Infiltration Stain Barrel | 1098 | M 1 |
| 130.2 | TF | Tap Factory | 1122 | NA |
| 136.9 | MWLS(F04) | Miscellaneous Water Level Sag | 1168 | S 2 |
| 148.6 | DAR | Deposits Attached Ragging | 1216 | M 2 |
| 150.1 | MWLS(S08) | Miscellaneous Water Level Sag | 1231 | S 2 |
| 157.5 | TF | Tap Factory | 1270 | NA |
| 179.7 | MWLS(F08) | Miscellaneous Water Level Sag | 1373 | S 2 |
| 184.6 | MWLS(S09) | Miscellaneous Water Level Sag | 1400 | S 2 |
| 189.5 | TFD | Tap Factory Defective | 1452 | M 3 |
| 204.1 | B | Broken | 1583 | S 4 |
| 227.9 | ISB | Infiltration Stain Barrel | 1795 | M 1 |
| 227.9 | ISB | Infiltration Stain Barrel | 1803 | M 1 |
| 228.0 | FM | Fracture Multiple | 1782 | S 4 |
| 229.6 | B | Broken | 1835 | S 4 |
| 229.6 | RFB | Roots Fine Barrel | 1850 | M 2 |
| 232.1 | TF | Tap Factory | 1897 | NA |
| 247.2 | B(S10) | Broken | 1981 | S 4 |
| 249.2 | TF | Tap Factory | 2019 | NA |
| 250.5 | DR(S11) | Deformed Rigid | 2050 | S 4 |
| 250.5 | MWLS(F09) | Miscellaneous Water Level Sag | 2058 | S 2 |
| 254.2 | DAR | Deposits Attached Ragging | 2085 | M 2 |
| 254.2 | MWLS(S12) | Miscellaneous Water Level Sag | 2095 | S 2 |
| 254.3 | B(F10) | Broken | 2174 | S 4 |
| 254.3 | DR(F11) | Deformed Rigid | 2183 | S 4 |
| 266.5 | MWLS(F12) | Miscellaneous Water Level Sag | 2167 | S 2 |
| 269.3 | RFJ(F02) | Roots Fine Joint | 2290 | M 1 |
| 269.4 | AMH | Manhole | 2358 | NA |

M-903-006



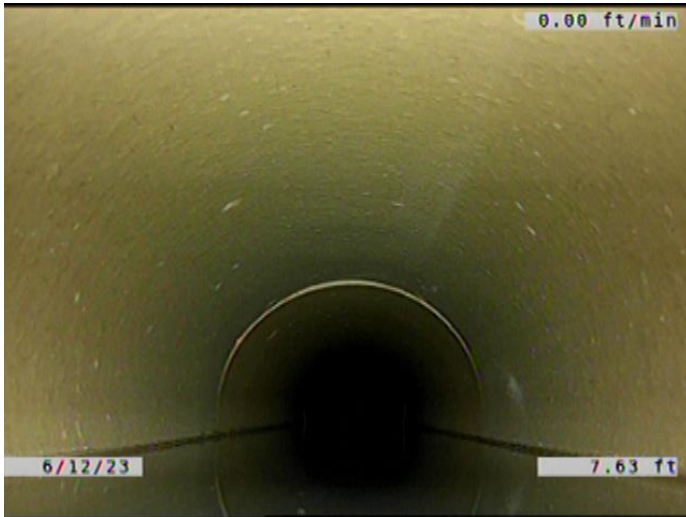
Code: **AMH**
Description: **Manhole**

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-903-009**



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: **25.000**
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



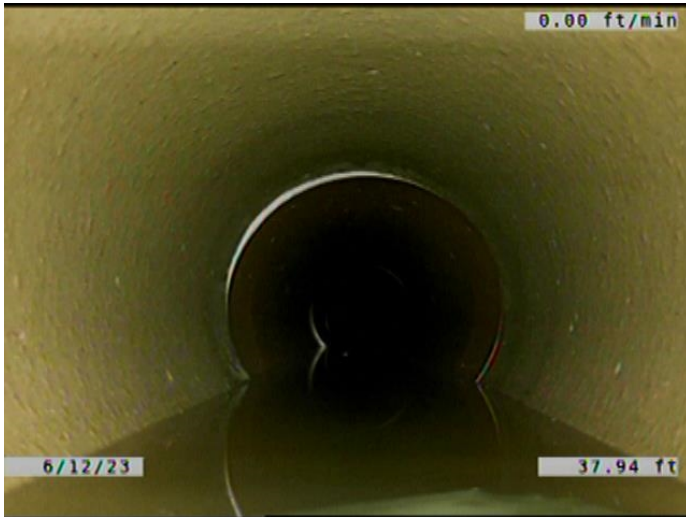
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **7.6**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **30.000**
Continuous Index: **S01**
Within 8" of Joint: **NO**
Remarks:



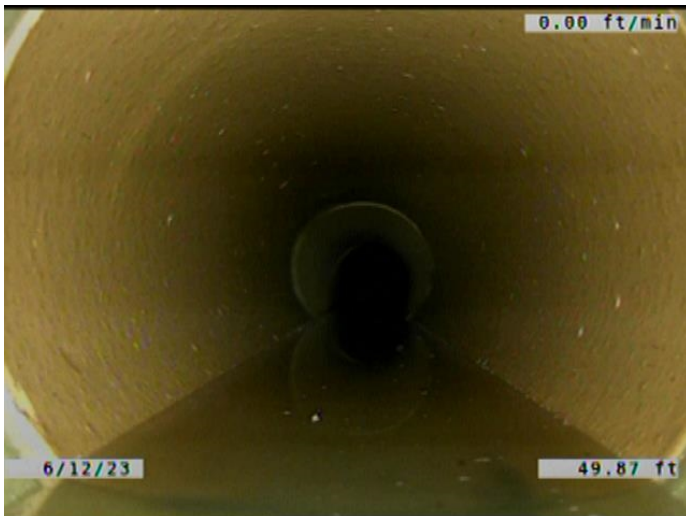
Code: **RFJ**
Description: **Roots Fine Joint**

Distance (ft): **20.8**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **8**
Clock To: **4**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **S02**
Within 8" of Joint: **YES**
Remarks:



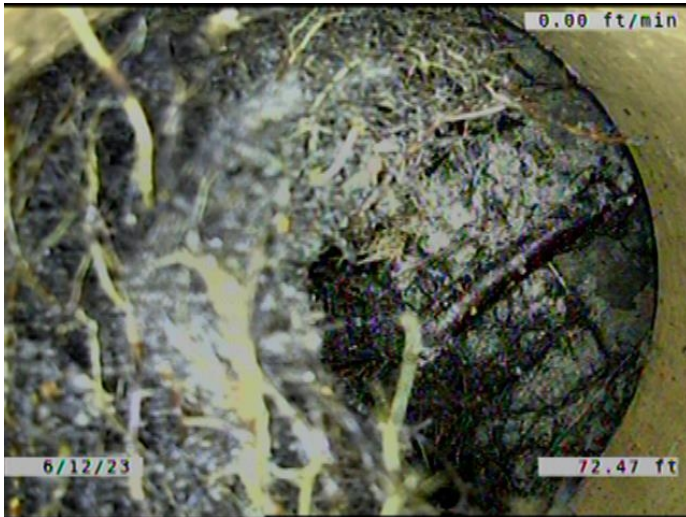
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **37.9**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **30.000**
Continuous Index: **F01**
Within 8" of Joint: **NO**
Remarks:



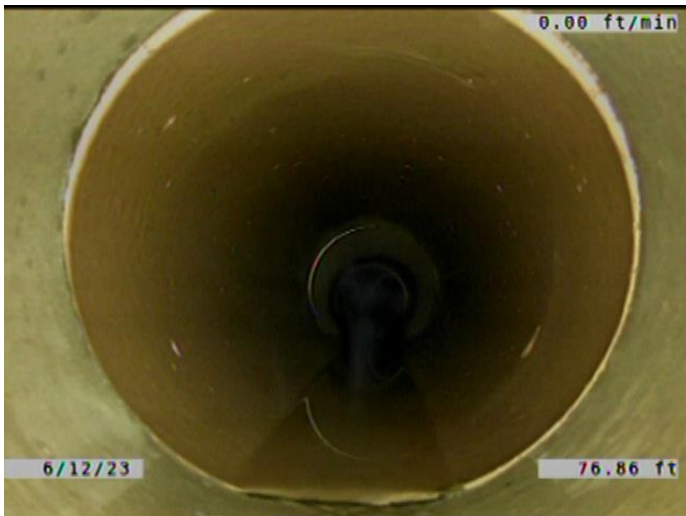
Code: **MWL**
Description: **Miscellaneous Water Level**

Distance (ft): **49.9**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **15.000**
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



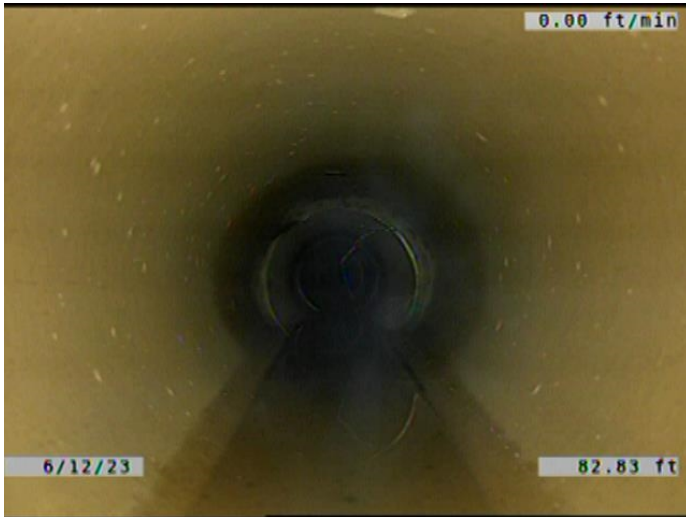
Code: **TFD**
Description: **Tap Factory Defective**

Distance (ft): **72.5**
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: **LOOKS TO BE 100% PLUGGED.
ROOTS DIRT. ROOTS GROWING INTO**



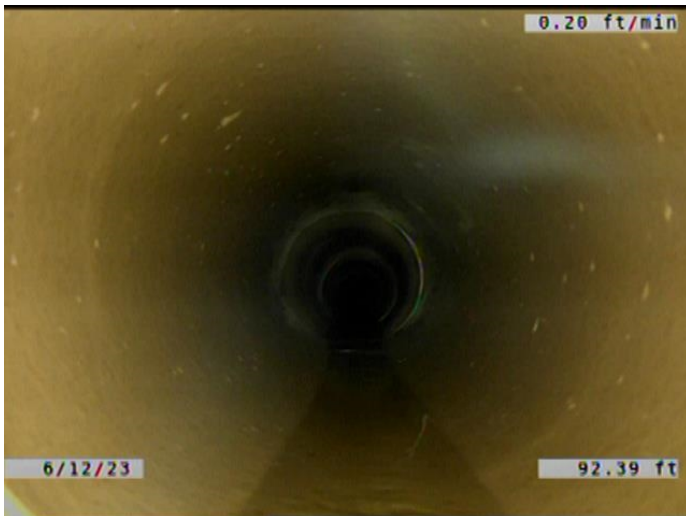
Code: **MWL**
Description: **Miscellaneous Water Level**

Distance (ft): **76.9**
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:



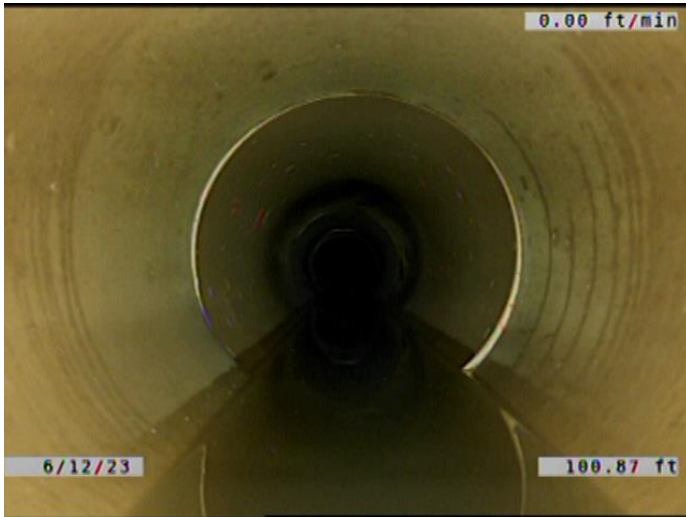
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **82.8**
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:



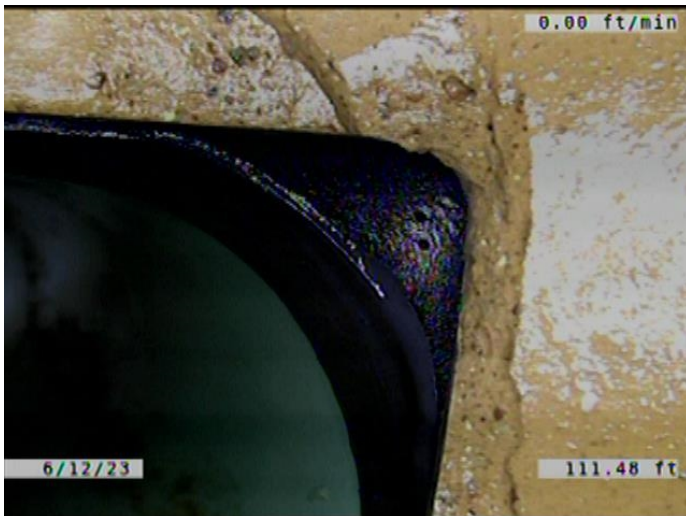
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **92.4**
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:



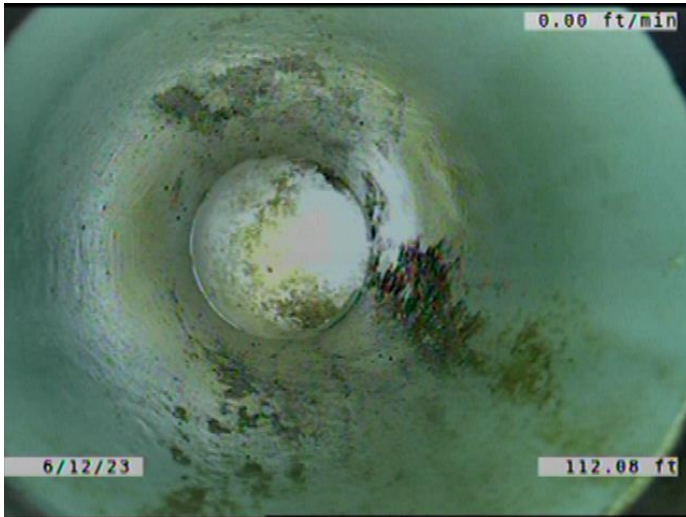
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **100.8**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **15.000**
Continuous Index: **S04**
Within 8" of Joint: **NO**
Remarks:

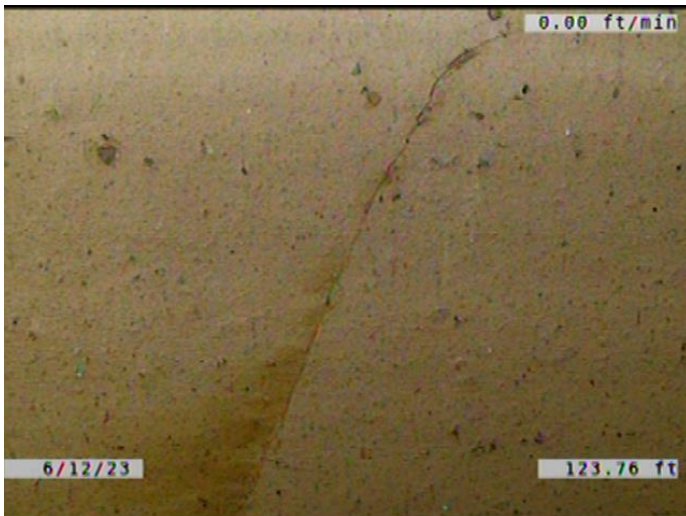


Code: **SSS**
Description: **Surface Damage Surface Spalling**

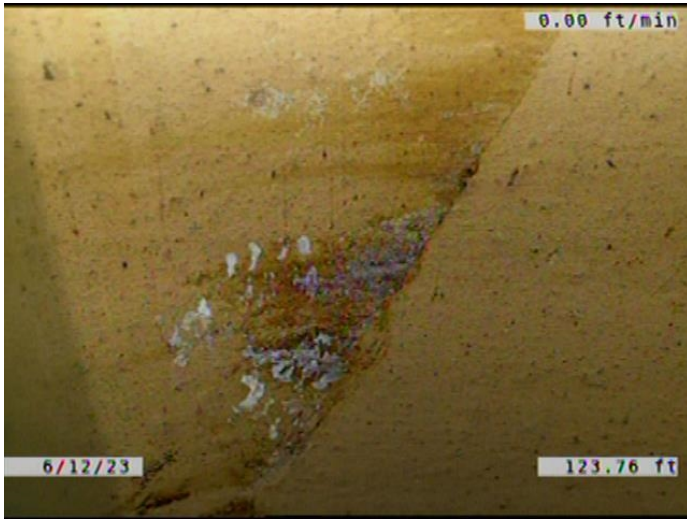
Distance (ft): **111.5**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From: **11**
Clock To: **1**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



| | |
|---------------------|--|
| Code: | TB |
| Description: | Tap Break-in/Hammer |
| Distance (ft): | 112.1 |
| Structural Grade: | 0 |
| O&M Grade: | 0 |
| Clock Start/From: | 12 |
| Clock To: | |
| 1st Value: | 6.000 |
| 2nd Value: | |
| Value Percent: | |
| Continuous Index: | |
| Within 8" of Joint: | NO |
| Remarks: | LOOKS TO COME IN FROM THE RIGHT/ SOUTH. |

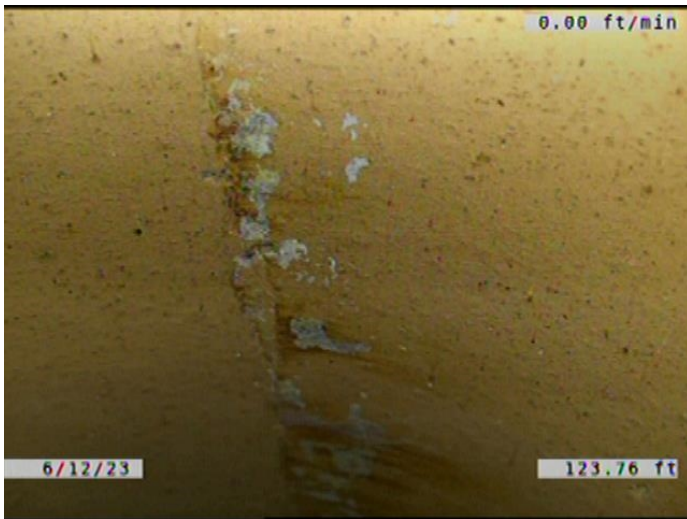


| | |
|---------------------|-----------------------|
| Code: | CM |
| Description: | Crack Multiple |
| Distance (ft): | 123.8 |
| Structural Grade: | 3 |
| O&M Grade: | 0 |
| Clock Start/From: | 8 |
| Clock To: | 4 |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | |
| Continuous Index: | |
| Within 8" of Joint: | YES |
| Remarks: | |



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

Distance (ft): **123.8**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **8**
Clock To: **11**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **S06**
Within 8" of Joint: **YES**
Remarks:



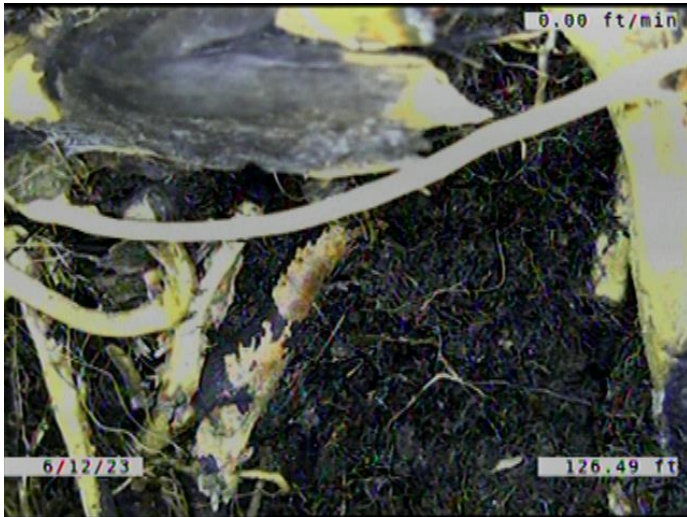
Code: **ISB**
Description: **Infiltration Stain Barrel**

Distance (ft): **123.8**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **2**
Clock To: **4**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **S07**
Within 8" of Joint: **YES**
Remarks:



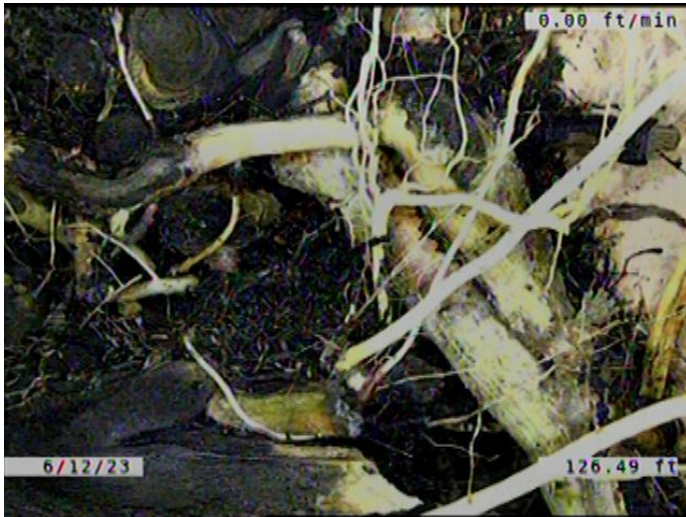
Code: **SSS**
Description: **Surface Damage Surface Spalling**

Distance (ft): **126.1**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From: **2**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



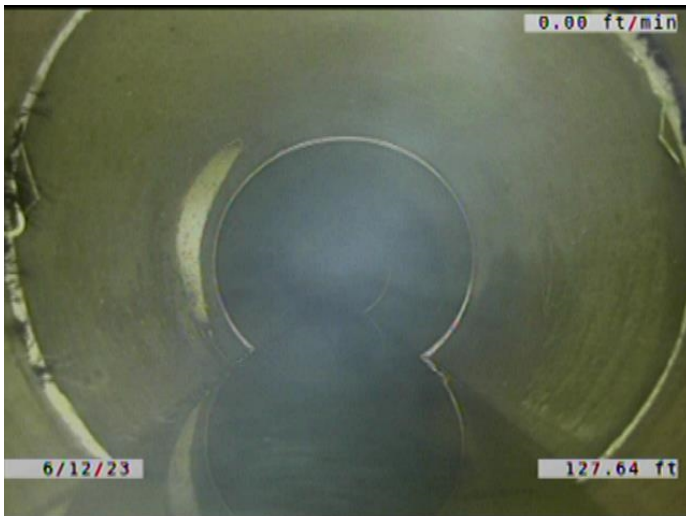
Code: **TBD**
Description: **Tap Break-in/Hammer Defective**

Distance (ft): **126.5**
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: **LOOKS TO BE 100% PLUGED WITH ROOTS.**



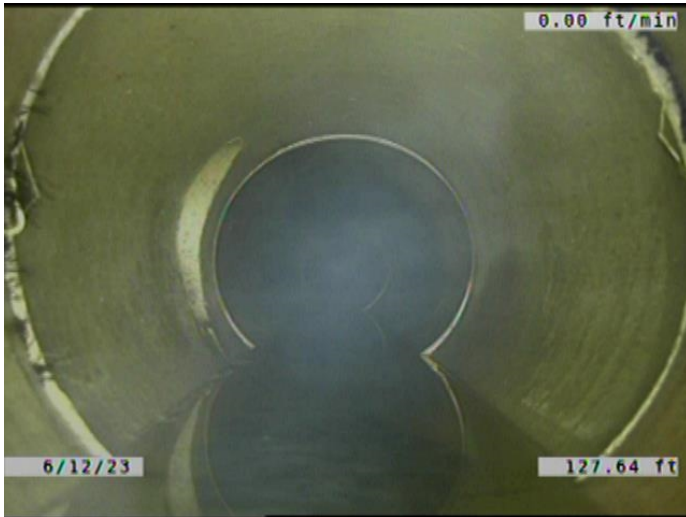
Code: **RML**
 Description: **Roots Medium Lateral**

Distance (ft): **126.5**
 Structural Grade: **0**
 O&M Grade: **3**
 Clock Start/From: **1**
 Clock To: **3**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks:



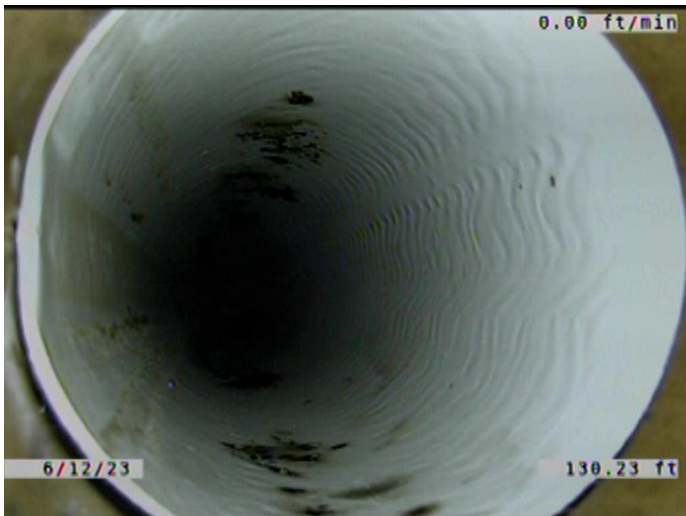
Code: **ISB**
 Description: **Infiltration Stain Barrel**

Distance (ft): **127.6**
 Structural Grade: **0**
 O&M Grade: **1**
 Clock Start/From: **8**
 Clock To: **11**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index: **F06**
 Within 8" of Joint: **YES**
 Remarks:



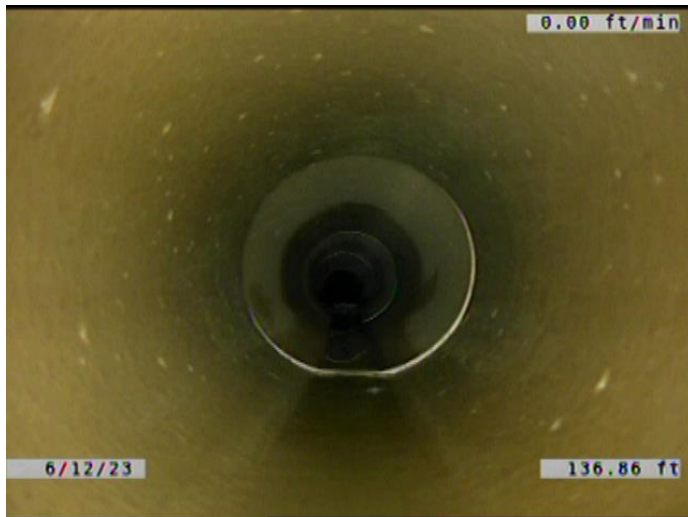
Code: **ISB**
Description: **Infiltration Stain Barrel**

Distance (ft): **127.6**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **2**
Clock To: **4**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **F07**
Within 8" of Joint: **YES**
Remarks:



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

Distance (ft): **130.2**
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: **SERVICE REPLCED WITH PVC.
CONSTANTLY RUNNING WATER.**



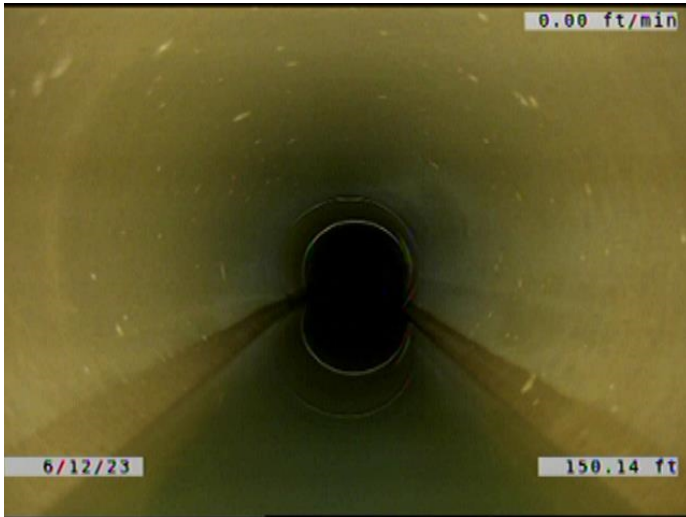
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **136.9**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **15.000**
Continuous Index: **F04**
Within 8" of Joint: **NO**
Remarks:



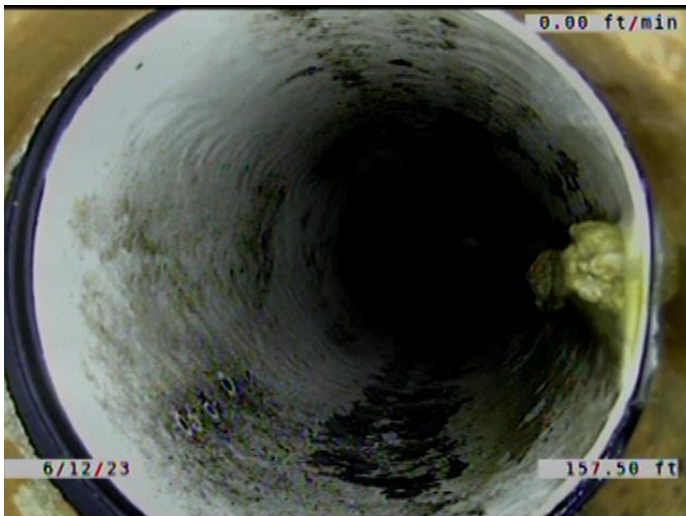
Code: **DAR**
Description: **Deposits Attached Ragging**

Distance (ft): **148.6**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **5**
Clock To: **7**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



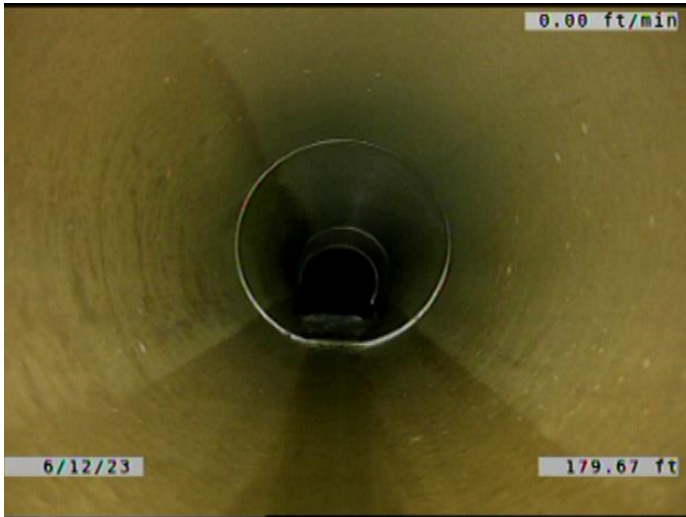
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **150.1**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **15.000**
Continuous Index: **S08**
Within 8" of Joint: **NO**
Remarks:



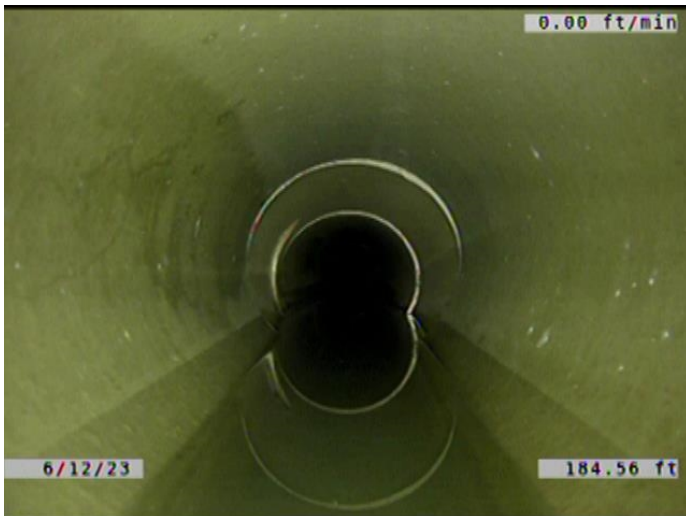
Code: **TF**
Description: **Tap Factory**

Distance (ft): **157.5**
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: **SERVICE REPLACED WITH PVC.
CONSTANTLY RUNNING WATER.**



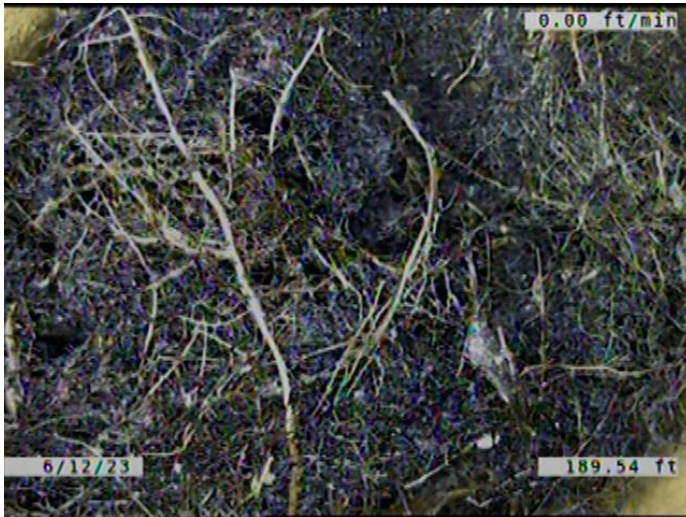
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **179.7**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **15.000**
Continuous Index: **F08**
Within 8" of Joint: **NO**
Remarks:



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

Distance (ft): **184.6**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **15.000**
Continuous Index: **S09**
Within 8" of Joint: **NO**
Remarks:



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

Distance (ft): **189.5**
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: **100% PLUGGED WITH ROOTS.**



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

Distance (ft): **204.1**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **7**
Clock To: **5**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



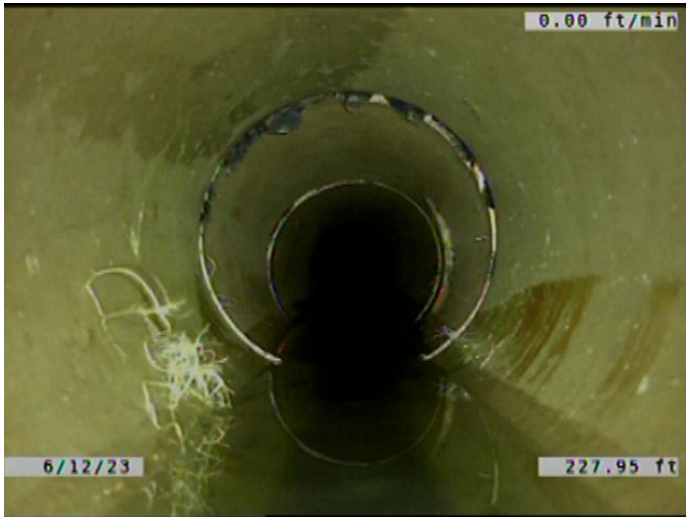
Code: **ISB**
 Description: **Infiltration Stain Barrel**

Distance (ft): **227.9**
 Structural Grade: **0**
 O&M Grade: **1**
 Clock Start/From: **3**
 Clock To: **4**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



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

Distance (ft): **227.9**
 Structural Grade: **0**
 O&M Grade: **1**
 Clock Start/From: **8**
 Clock To: **9**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



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

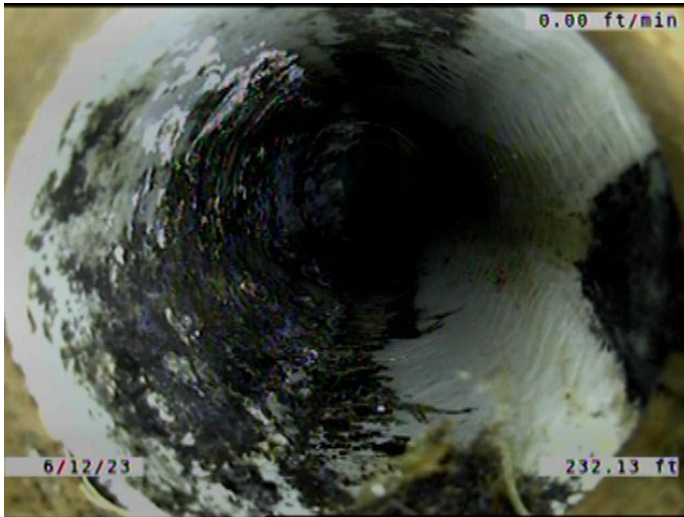
Distance (ft): **228.0**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **12**
Clock To: **12**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



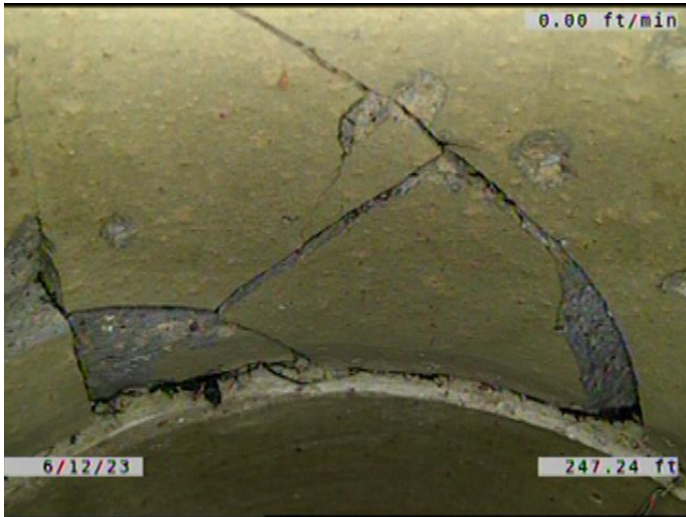
Code: **B**
Description: **Broken**

Distance (ft): **229.6**
Structural Grade: **4**
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: | RFB |
| Description: | Roots Fine Barrel |
| Distance (ft): | 229.6 |
| Structural Grade: | 0 |
| O&M Grade: | 2 |
| Clock Start/From: | 7 |
| Clock To: | 8 |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | |
| Continuous Index: | |
| Within 8" of Joint: | NO |
| Remarks: | |

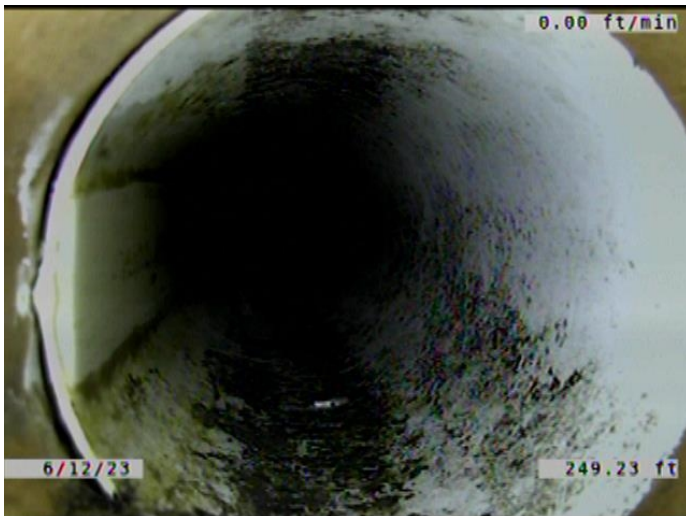


| | |
|---------------------|---|
| Code: | TF |
| Description: | Tap Factory |
| Distance (ft): | 232.1 |
| Structural Grade: | 0 |
| O&M Grade: | 0 |
| Clock Start/From: | 2 |
| Clock To: | |
| 1st Value: | 6.000 |
| 2nd Value: | |
| Value Percent: | |
| Continuous Index: | |
| Within 8" of Joint: | YES |
| Remarks: | SERVICE REPLACED WITH PVC. ROOTS GROWING FROM THE SERVIC |



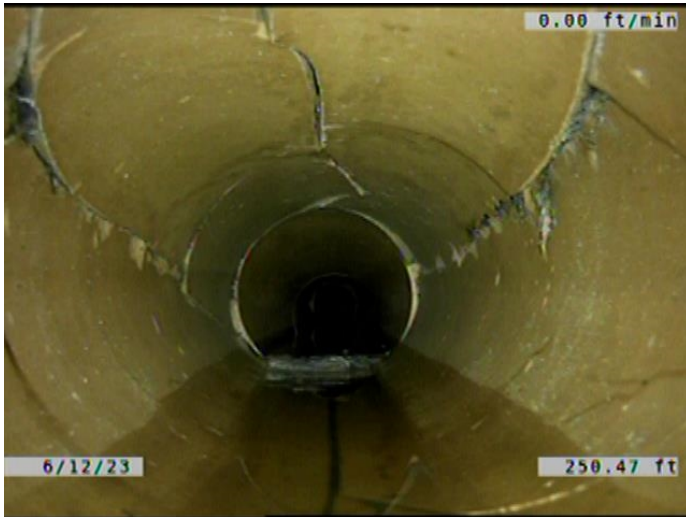
Code: **B**
Description: **Broken**

Distance (ft): **247.2**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **11**
Clock To: **1**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **S10**
Within 8" of Joint: **YES**
Remarks:



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

Distance (ft): **249.2**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **9**
Clock To:
1st Value: **6.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks: **CONSTANTLY RUNNING WATER.
ROOTS GROWING FROM THE SERVIC**



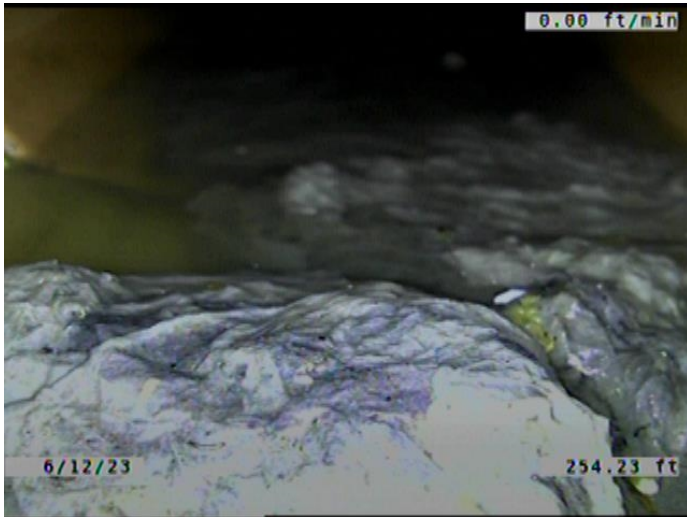
Code: **DR**
Description: **Deformed Rigid**

Distance (ft): **250.5**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **S11**
Within 8" of Joint: **NO**
Remarks:



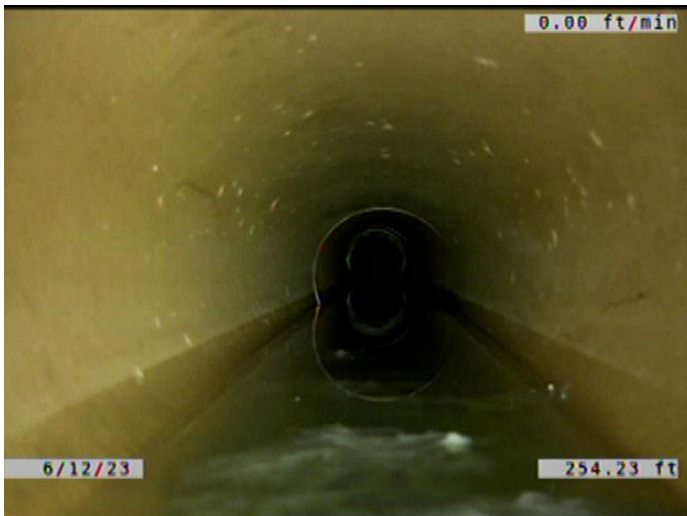
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **250.5**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **15.000**
Continuous Index: **F09**
Within 8" of Joint: **NO**
Remarks:



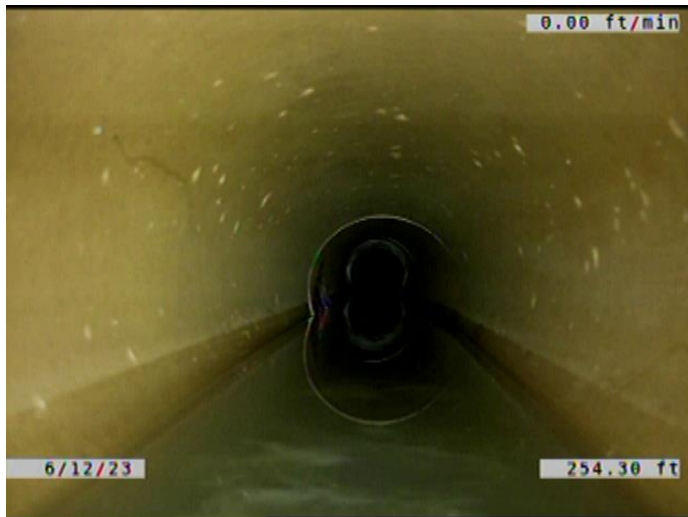
Code: **DAR**
 Description: **Deposits Attached Ragging**

Distance (ft): **254.2**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **5**
 Clock To: **7**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



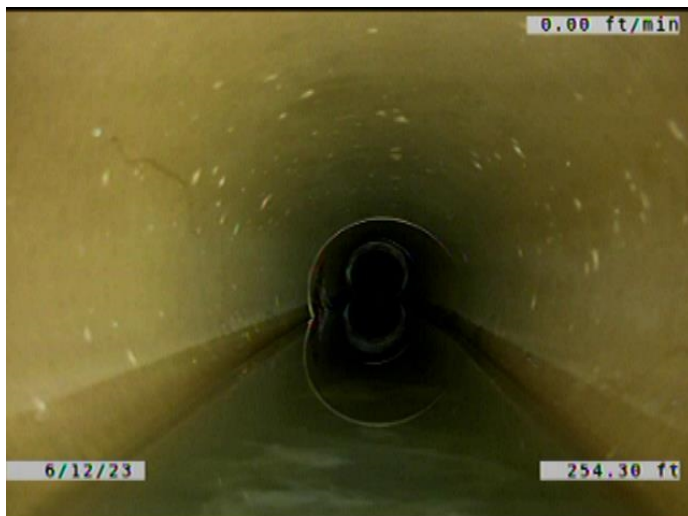
Code: **MWLS**
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **254.2**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **30.000**
 Continuous Index: **S12**
 Within 8" of Joint: **NO**
 Remarks:



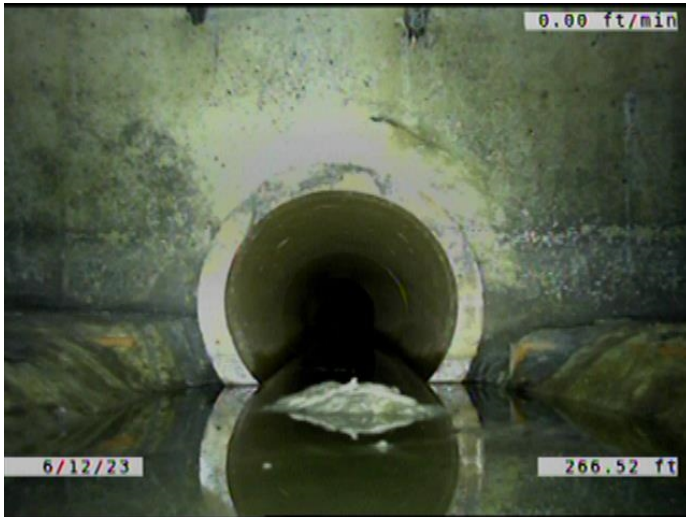
Code: **B**
Description: **Broken**

Distance (ft): **254.3**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **11**
Clock To: **1**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **F10**
Within 8" of Joint: **YES**
Remarks:



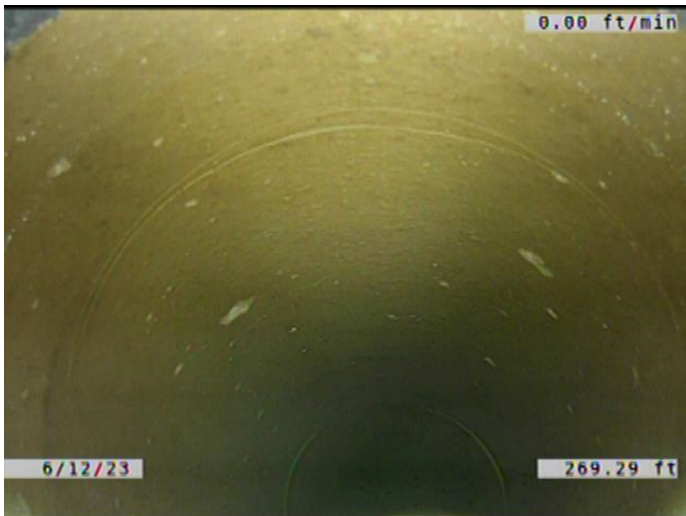
Code: **DR**
Description: **Deformed Rigid**

Distance (ft): **254.3**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **F11**
Within 8" of Joint: **NO**
Remarks:



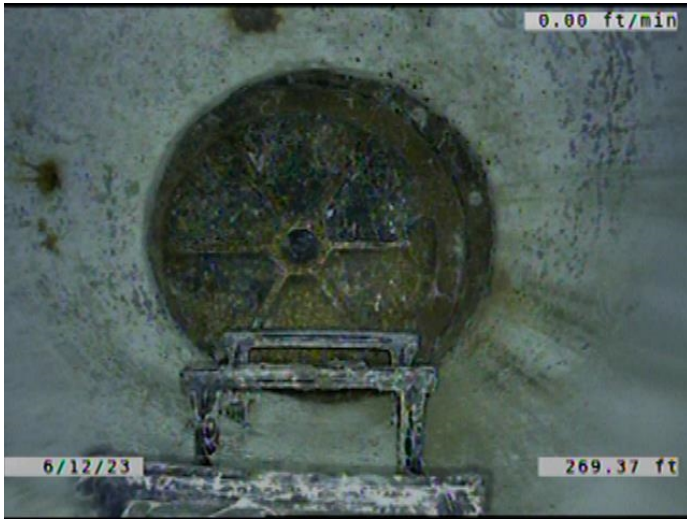
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **266.5**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **30.000**
Continuous Index: **F12**
Within 8" of Joint: **NO**
Remarks:



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

Distance (ft): **269.3**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **8**
Clock To: **4**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **F02**
Within 8" of Joint: **YES**
Remarks:



| | |
|---------------------|-----------|
| Code: | AMH |
| Description: | Manhole |
| Distance (ft): | 269.4 |
| 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: | M-903-006 |