

RedZone  
ROBOTICS

|                   |   |        |                      |                             |       |
|-------------------|---|--------|----------------------|-----------------------------|-------|
| Street:           | North Colorado Street                     |        | Flow Control:        | Not Controlled              |       |
| City:             | Hobart, IN                                |        | Year Renewed:        |                             |       |
| Location:         | Local rural streets with light traffic, t |        | 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: | Downstream                  |       |
| US MH:            | M-504-024                                 | DS MH: | M-504-038            | Total Length Surveyed (ft): | 155.9 |

|                   |             |                   |             |                    |               |
|-------------------|-------------|-------------------|-------------|--------------------|---------------|
| O&M Index:        | <b>1.94</b> | O&M Quick:        | <b>4136</b> | O&M Rating:        | <b>35.00</b>  |
| Structural Index: | <b>2.87</b> | Structural Quick: | <b>4A3A</b> | Structural Rating: | <b>112.00</b> |
| Overall Index:    | <b>2.58</b> | Overall Quick:    | <b>4A3B</b> | Overall Rating:    | <b>147.00</b> |

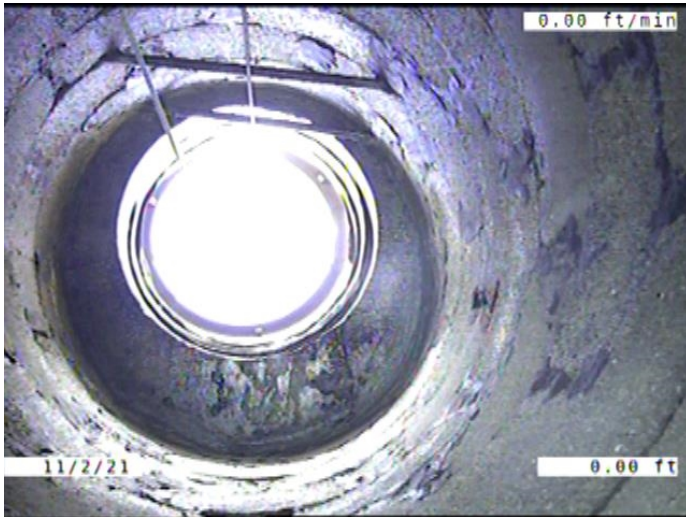
**Wednesday, January 19, 2022**



|       |           |                               |      |     |
|-------|-----------|-------------------------------|------|-----|
| 46.4  | JAM       | Joint Angular Medium          | 830  | S 3 |
| 48.9  | IRJ       | Infiltration Runner Joint     | 875  | M 4 |
| 54.0  | JAM       | Joint Angular Medium          | 920  | S 3 |
| 54.0  | MWLS(F02) | Miscellaneous Water Level Sag | 934  | S 2 |
| 59.3  | JAM       | Joint Angular Medium          | 972  | S 3 |
| 69.0  | CL        | Crack Longitudinal            | 1041 | S 2 |
| 72.2  | JAM       | Joint Angular Medium          | 1080 | S 3 |
| 77.2  | RFJ       | Roots Fine Joint              | 1135 | M 1 |
| 87.0  | B         | Broken                        | 1269 | S 4 |
| 90.8  | MWLS(S03) | Miscellaneous Water Level Sag | 1300 | S 2 |
| 98.0  | B         | Broken                        | 1387 | S 4 |
| 100.7 | FM(S04)   | Fracture Multiple             | 1492 | S 4 |
| 103.1 | SZ        | Surface Damage Other          | 1552 | NA  |
| 118.8 | RFJ       | Roots Fine Joint              | 1653 | M 1 |
| 119.8 | MWLS(F03) | Miscellaneous Water Level Sag | 1678 | S 2 |
| 122.7 | MWLS(S05) | Miscellaneous Water Level Sag | 1703 | S 2 |
| 122.7 | FM(F04)   | Fracture Multiple             | 1711 | S 4 |
| 131.7 | RFJ       | Roots Fine Joint              | 1792 | M 1 |
| 131.7 | FM(S06)   | Fracture Multiple             | 1844 | S 4 |
| 133.3 | RFB       | Roots Fine Barrel             | 1880 | M 2 |
| 134.3 | RFB       | Roots Fine Barrel             | 1930 | M 2 |
| 134.4 | B         | Broken                        | 1943 | S 4 |
| 136.8 | RMJ       | Roots Medium Joint            | 1979 | M 3 |
| 138.0 | MWLS(F05) | Miscellaneous Water Level Sag | 2033 | S 2 |
| 138.0 | FM(F06)   | Fracture Multiple             | 2045 | S 4 |
| 139.3 | RMJ       | Roots Medium Joint            | 2088 | M 3 |
| 144.7 | RMJ       | Roots Medium Joint            | 2159 | M 3 |
| 146.7 | RMJ       | Roots Medium Joint            | 2308 | M 3 |
| 149.3 | RMJ       | Roots Medium Joint            | 2360 | M 3 |
| 149.5 | B         | Broken                        | 2437 | S 4 |
| 152.1 | MMC       | Miscellaneous Material Change | 2487 | NA  |
| 152.1 | JOM       | Joint Offset Medium           | 2508 | S 3 |
| 155.4 | MMC       | Miscellaneous Material Change | 2567 | NA  |
| 155.4 | FM        | Fracture Multiple             | 2591 | S 4 |
| 155.9 | AMH       | Manhole                       | 2718 | NA  |

M-504-038





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

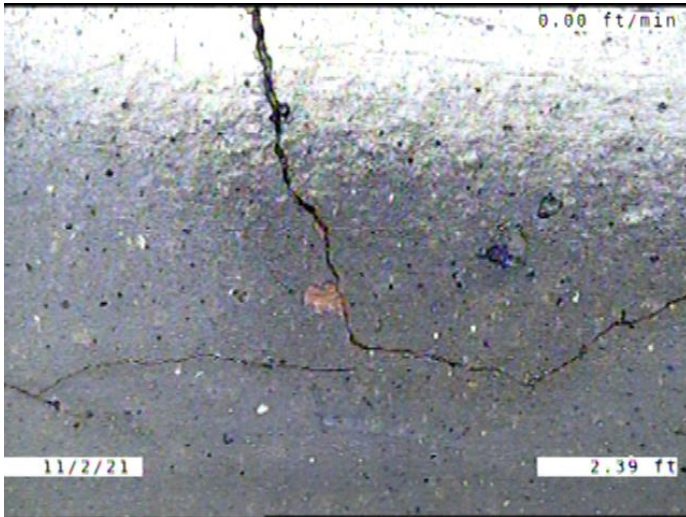
Distance (ft): **.0**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks: **M-504-024**



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

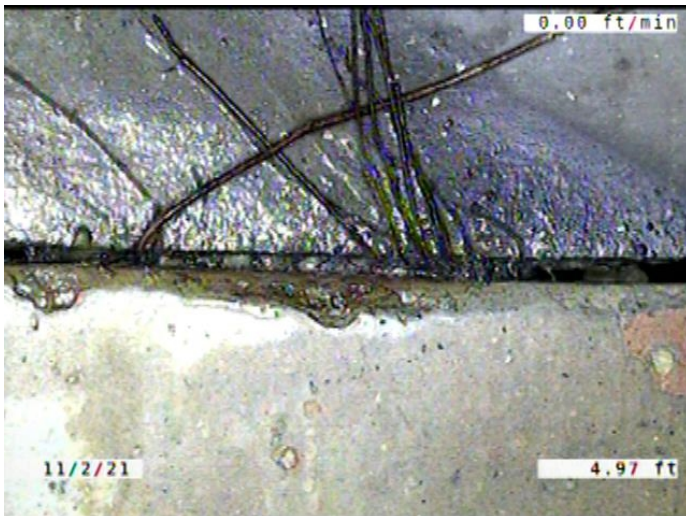
Distance (ft): **.0**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:





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

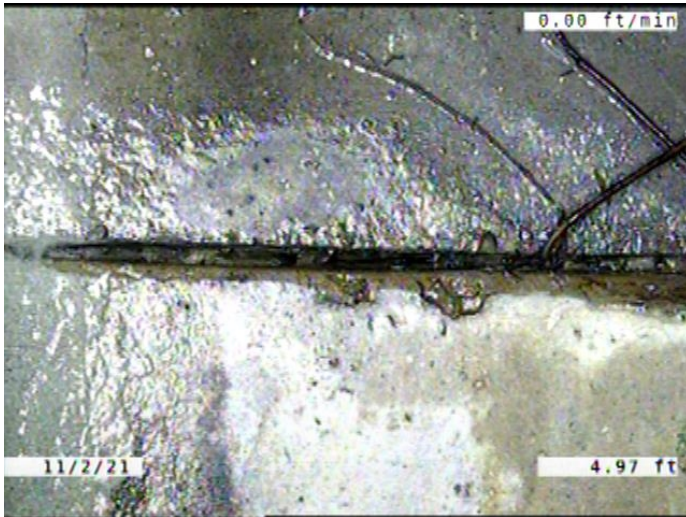
Distance (ft): **2.4**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **10**  
 Clock To: **2**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **5.0**  
 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:

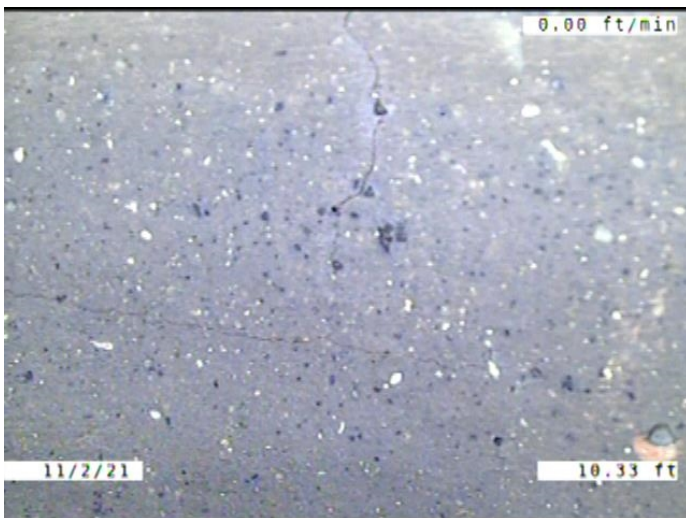




Code: **IDJ**  
 Description: **Infiltration Dripper Joint**

Distance (ft): **5.0**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **4**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:

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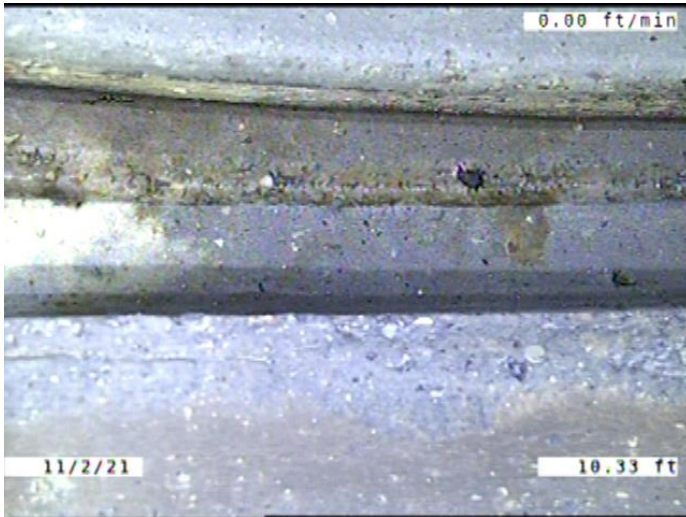


Code: **CM**  
 Description: **Crack Multiple**

Distance (ft): **10.3**  
 Structural Grade: **3**  
 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:

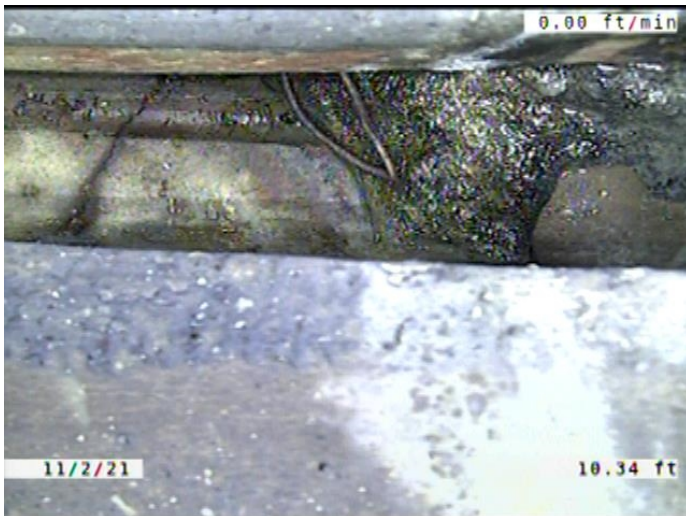
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Code: **JSM**  
 Description: **Joint Separated Medium**

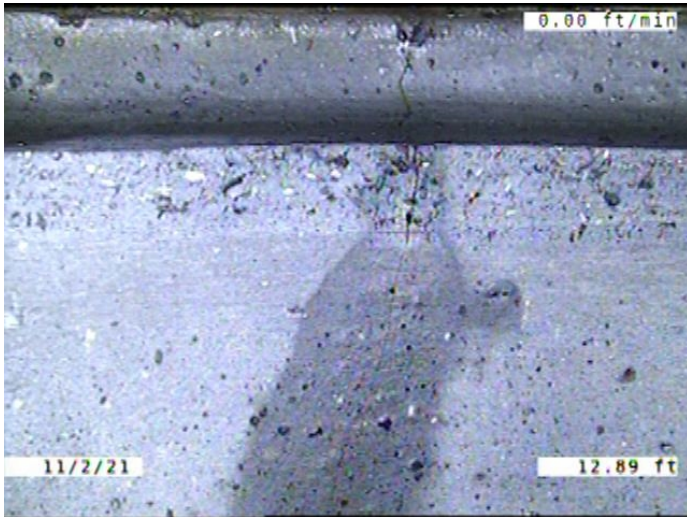
Distance (ft): **10.3**  
 Structural Grade: **3**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:



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

Distance (ft): **10.3**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From: **4**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:





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

Distance (ft): **12.9**  
Structural Grade: **3**  
O&M Grade: **0**  
Clock Start/From: **8**  
Clock To: **10**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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

Distance (ft): **15.4**  
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:

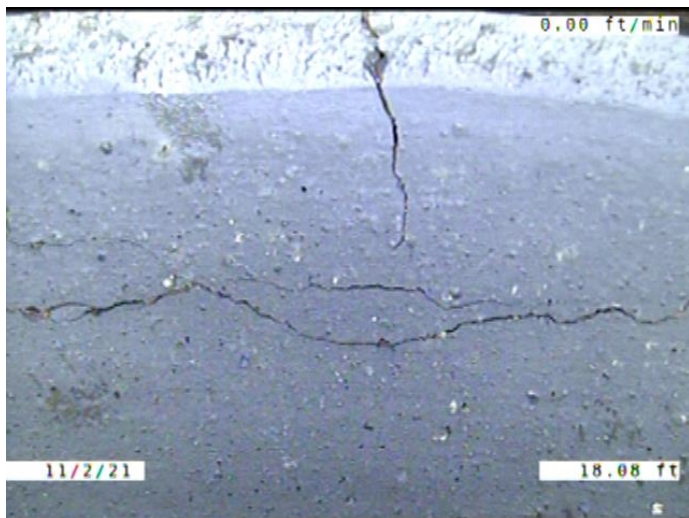
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Code: **RFJ**  
 Description: **Roots Fine Joint**

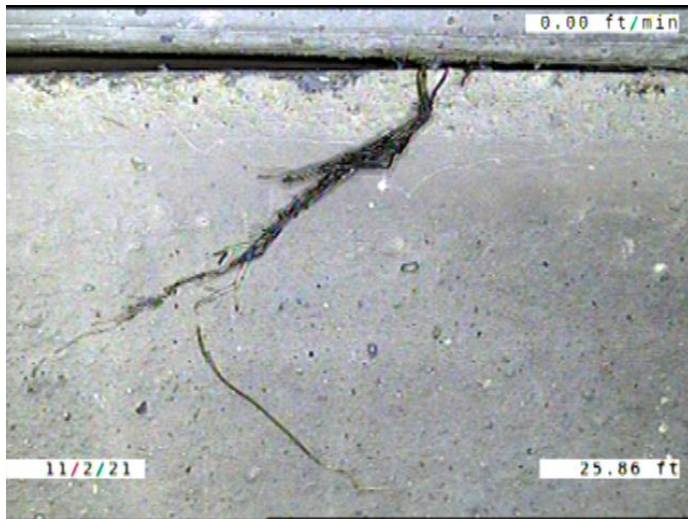
Distance (ft): **18.1**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From: **9**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

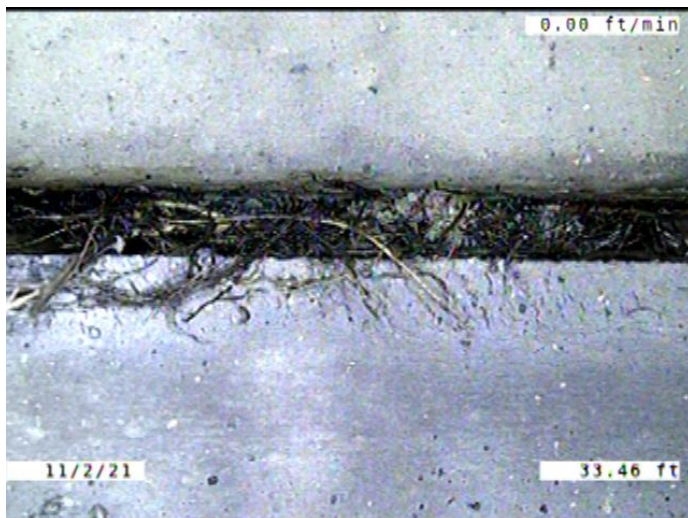
Distance (ft): **18.1**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **10**  
 Clock To: **2**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:





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

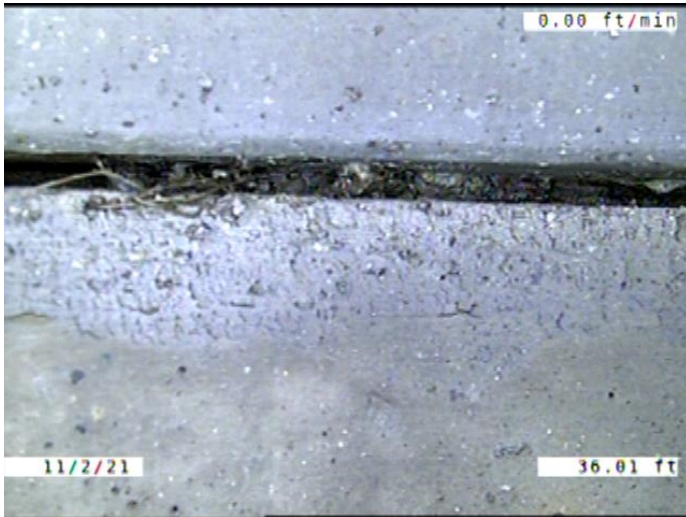
Distance (ft): **25.9**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From: **11**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **33.5**  
 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: **RFJ**  
 Description: **Roots Fine Joint**

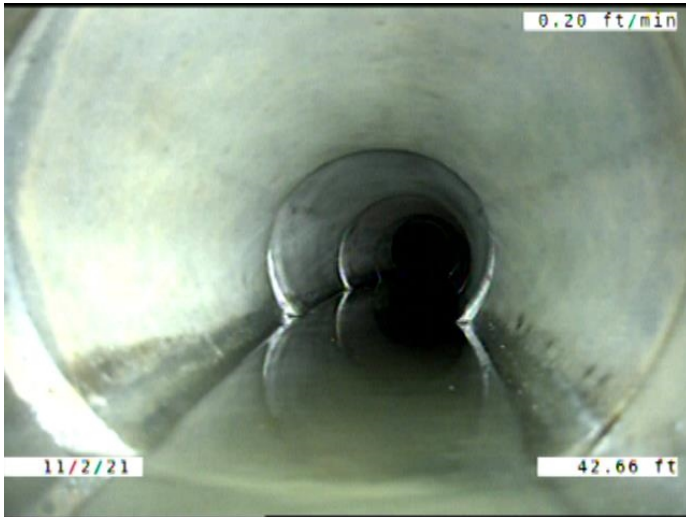
Distance (ft): **36.0**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From: **9**  
 Clock To: **12**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **39.9**  
 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:

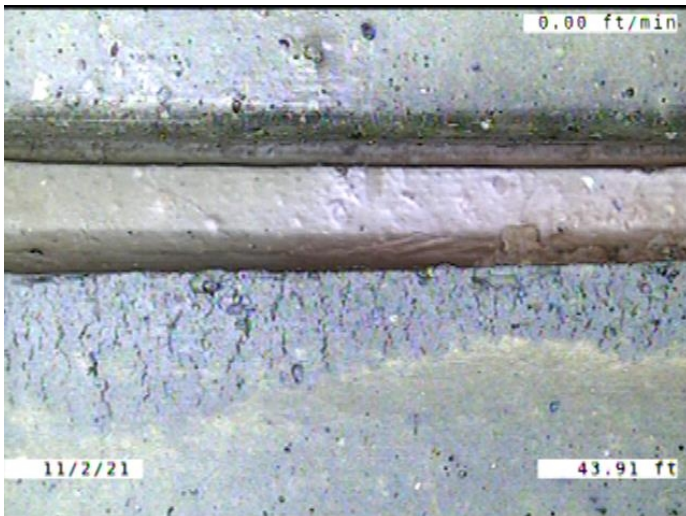




Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

Distance (ft): **42.7**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index: **S02**  
Within 8" of Joint: **NO**  
Remarks:

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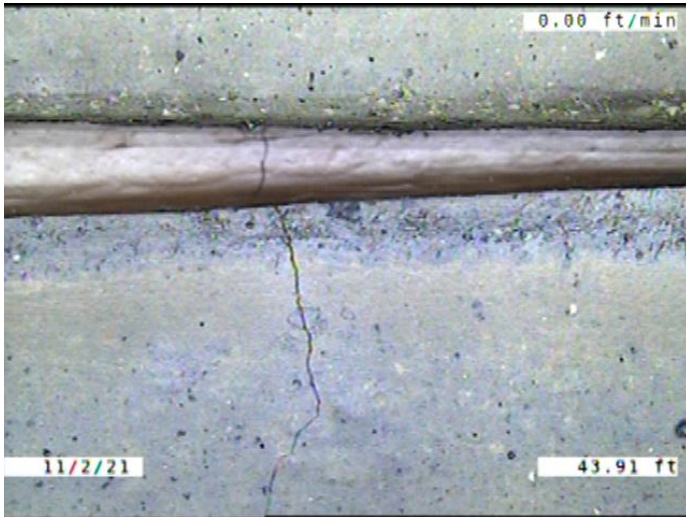


Code: **JAM**  
Description: **Joint Angular Medium**

Distance (ft): **43.9**  
Structural Grade: **3**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

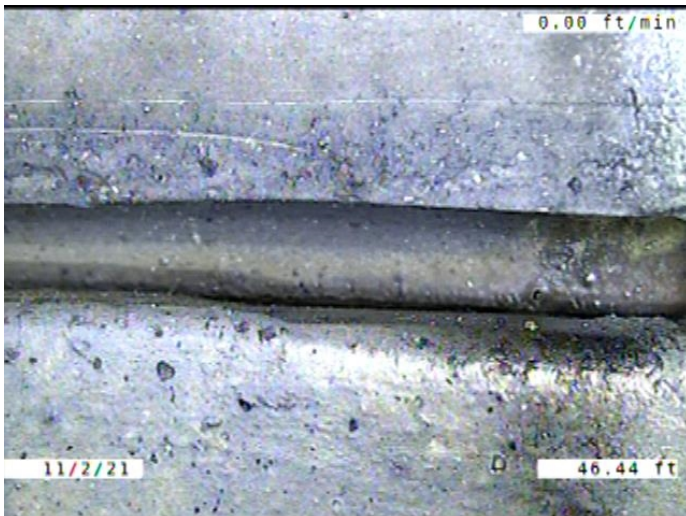
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Code: **CM**  
Description: **Crack Multiple**

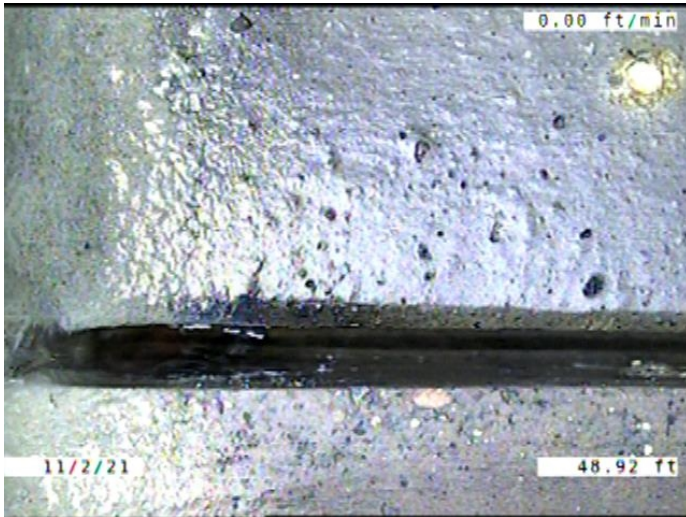
Distance (ft): **43.9**  
Structural Grade: **3**  
O&M Grade: **0**  
Clock Start/From: **2**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:



Code: **JAM**  
Description: **Joint Angular Medium**

Distance (ft): **46.4**  
Structural Grade: **3**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

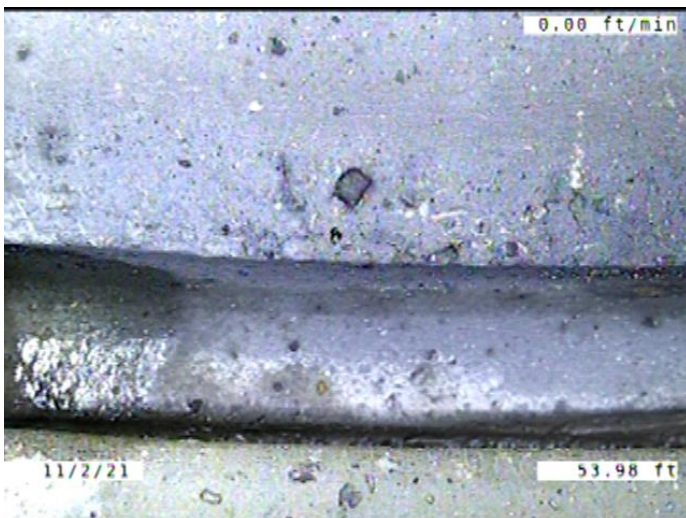




Code: **IRJ**  
Description: **Infiltration Runner Joint**

Distance (ft): **48.9**  
Structural Grade: **0**  
O&M Grade: **4**  
Clock Start/From: **8**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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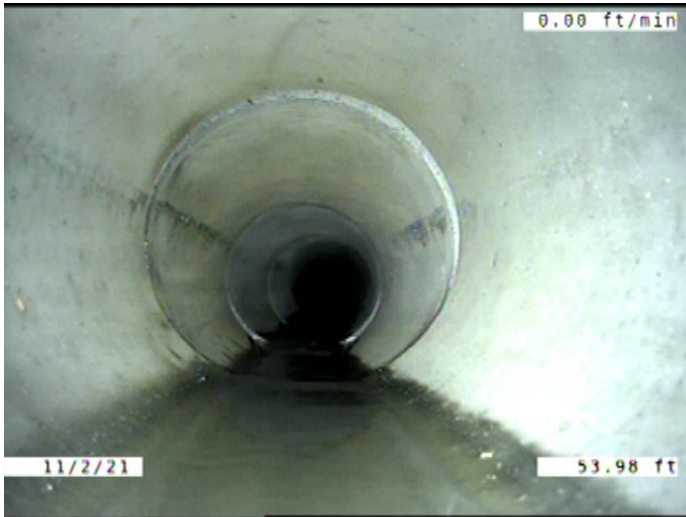


Code: **JAM**  
Description: **Joint Angular Medium**

Distance (ft): **54.0**  
Structural Grade: **3**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

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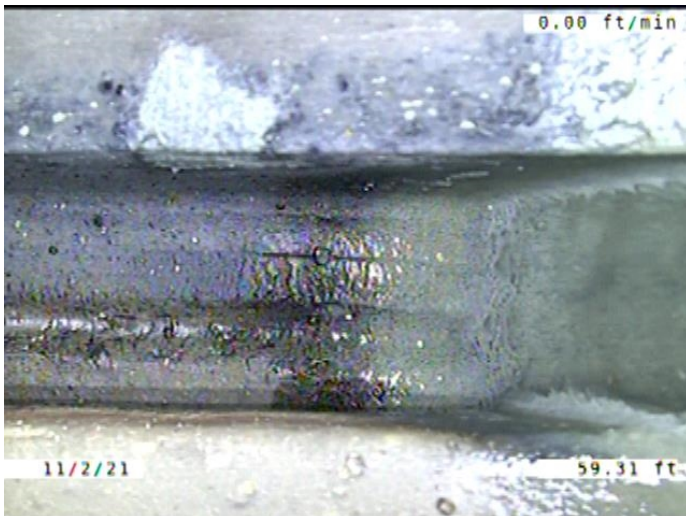




Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

Distance (ft): **54.0**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index: **F02**  
Within 8" of Joint: **NO**  
Remarks:

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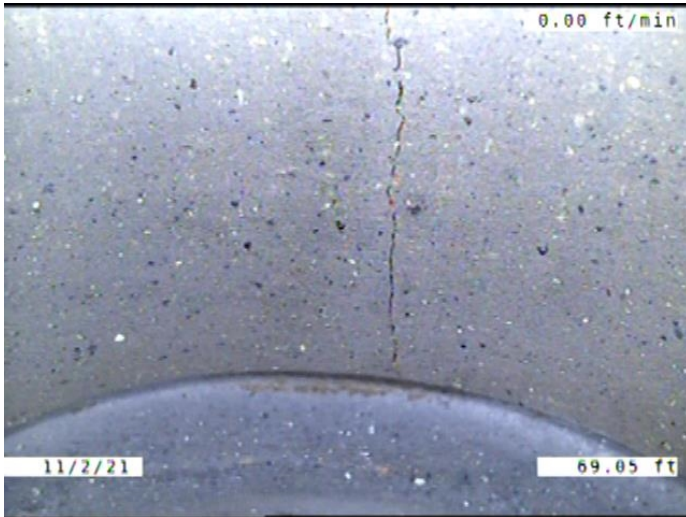


Code: **JAM**  
Description: **Joint Angular Medium**

Distance (ft): **59.3**  
Structural Grade: **3**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

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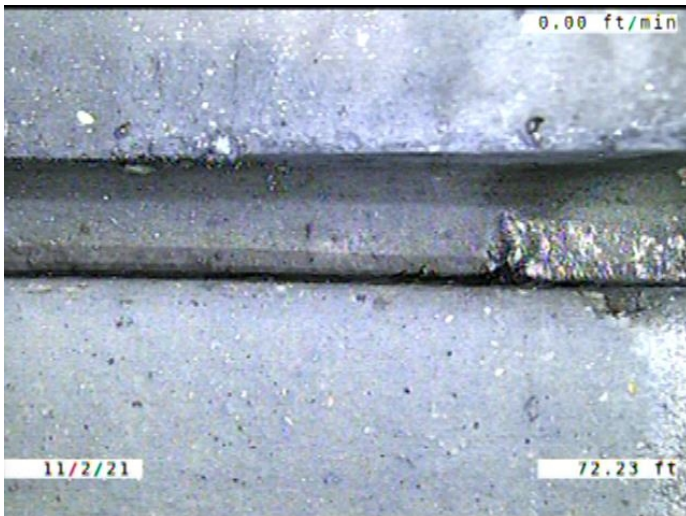




Code: **CL**  
Description: **Crack Longitudinal**

Distance (ft): **69.0**  
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:

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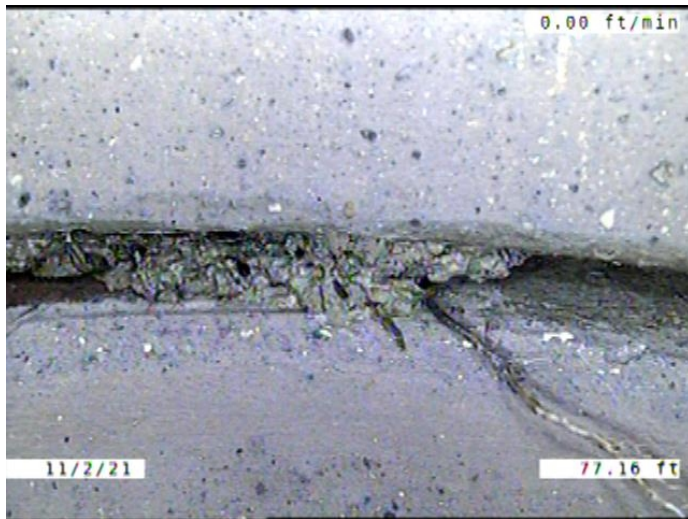


Code: **JAM**  
Description: **Joint Angular Medium**

Distance (ft): **72.2**  
Structural Grade: **3**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

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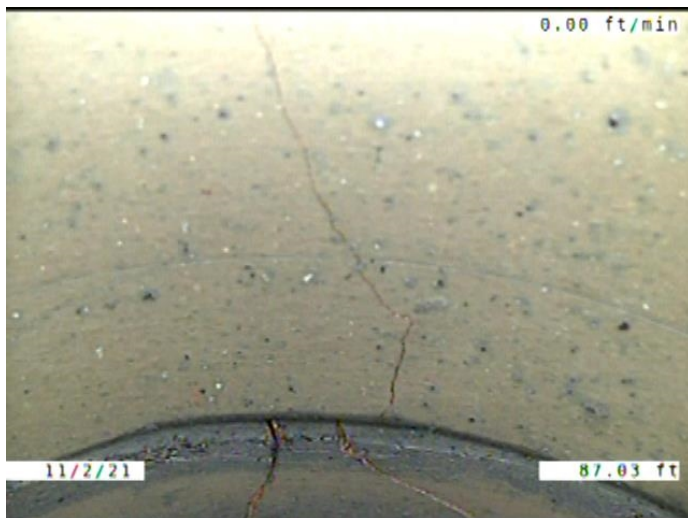




Code: **RFJ**  
Description: **Roots Fine Joint**

Distance (ft): **77.2**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **12**  
Clock To: **2**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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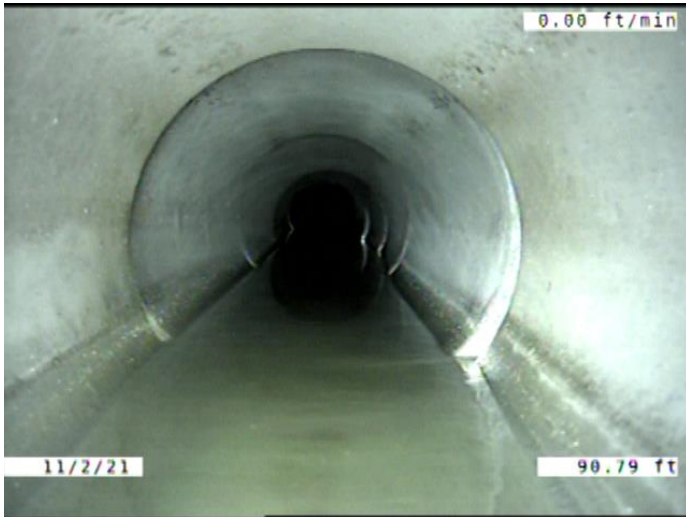


Code: **B**  
Description: **Broken**

Distance (ft): **87.0**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **7**  
Clock To: **2**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

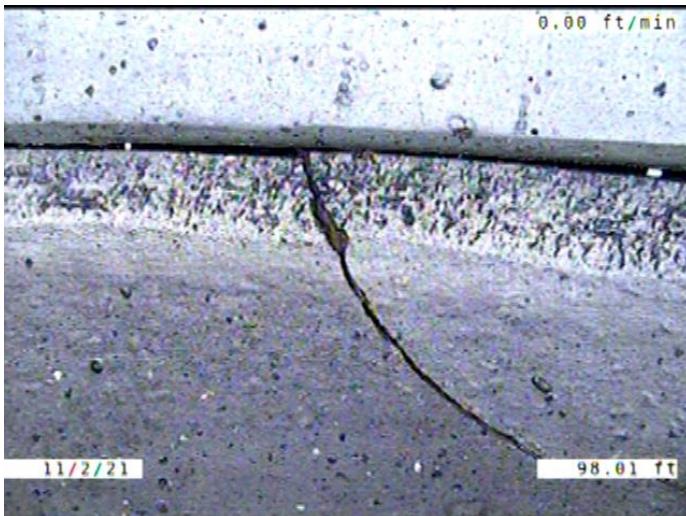
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Code: **MWLS**  
 Description: **Miscellaneous Water Level Sag**

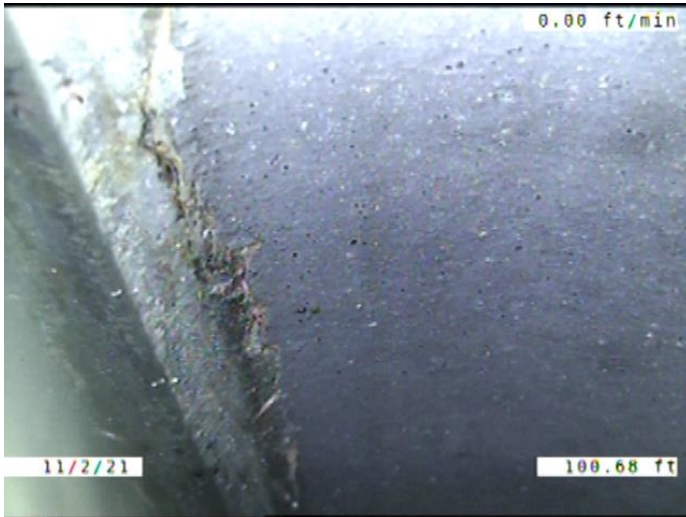
Distance (ft): **90.8**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **10.000**  
 Continuous Index: **S03**  
 Within 8" of Joint: **NO**  
 Remarks:



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

Distance (ft): **98.0**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **10**  
 Clock To: **3**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:





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

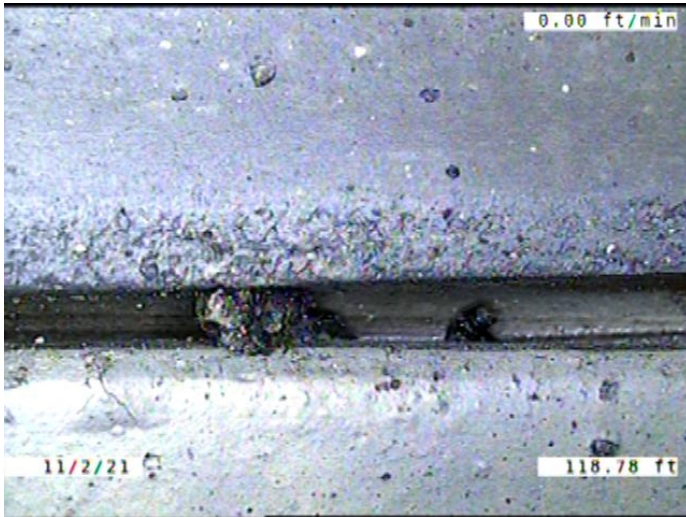
Distance (ft): **100.7**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **8**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index: **S04**  
 Within 8" of Joint: **YES**  
 Remarks:



Code: **SZ**  
 Description: **Surface Damage Other**

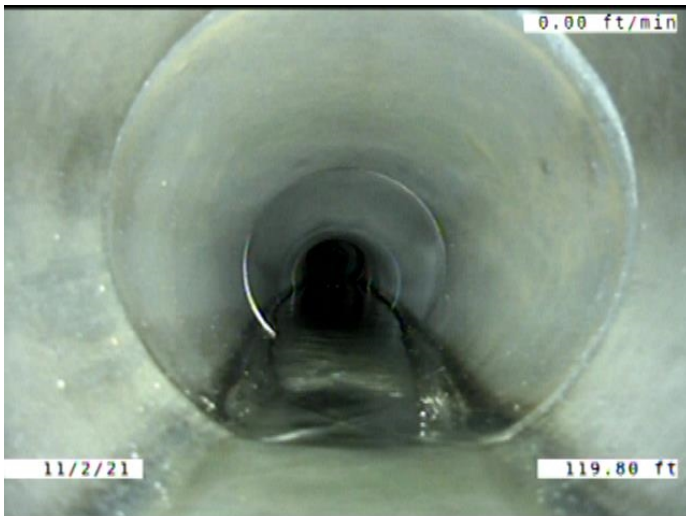
Distance (ft): **103.1**  
 Structural Grade: **0**  
 O&M Grade: **0**  
 Clock Start/From: **8**  
 Clock To: **10**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks: **A PIECE CHIPPED AWAY FROM THE JOINT**





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

Distance (ft): **118.8**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From: **2**  
 Clock To: **3**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **119.8**  
 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): **122.7**  
 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:

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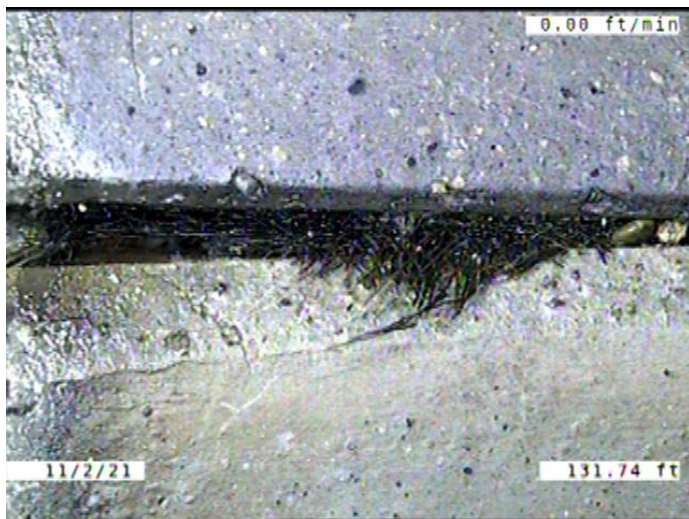


Code: **FM**  
 Description: **Fracture Multiple**

Distance (ft): **122.7**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **8**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index: **F04**  
 Within 8" of Joint: **YES**  
 Remarks:

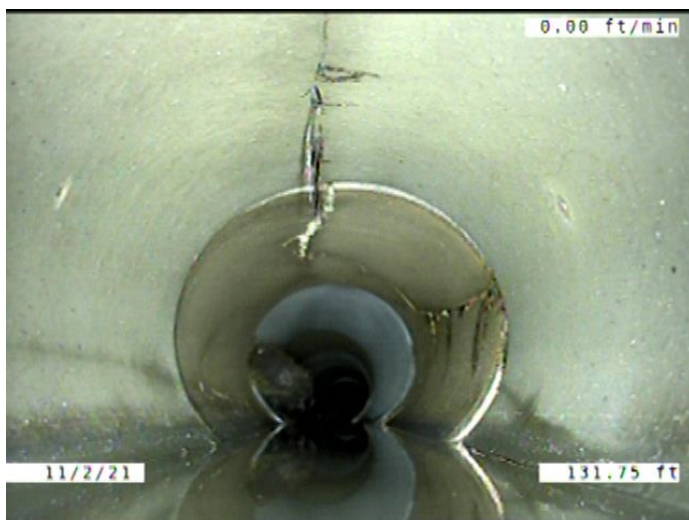
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Code: **RFJ**  
 Description: **Roots Fine Joint**

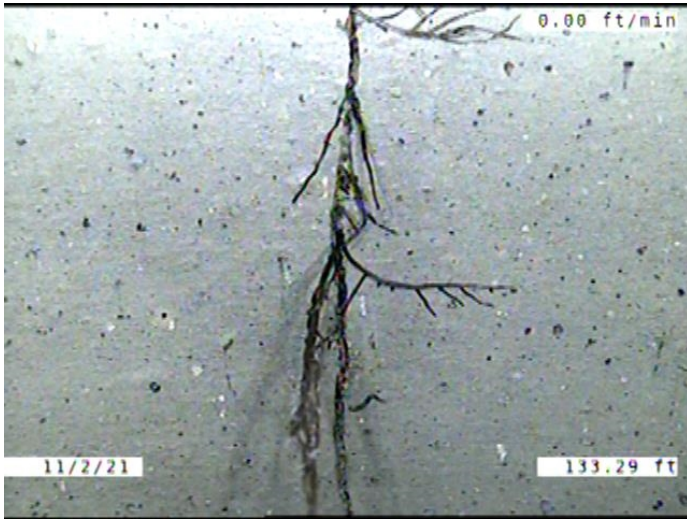
Distance (ft): **131.7**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From: **9**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

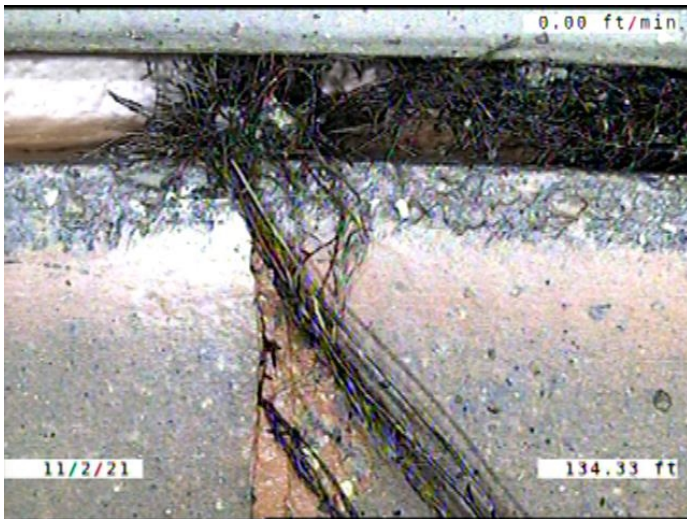
Distance (ft): **131.7**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **8**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index: **S06**  
 Within 8" of Joint: **YES**  
 Remarks:





Code: **RFB**  
 Description: **Roots Fine Barrel**

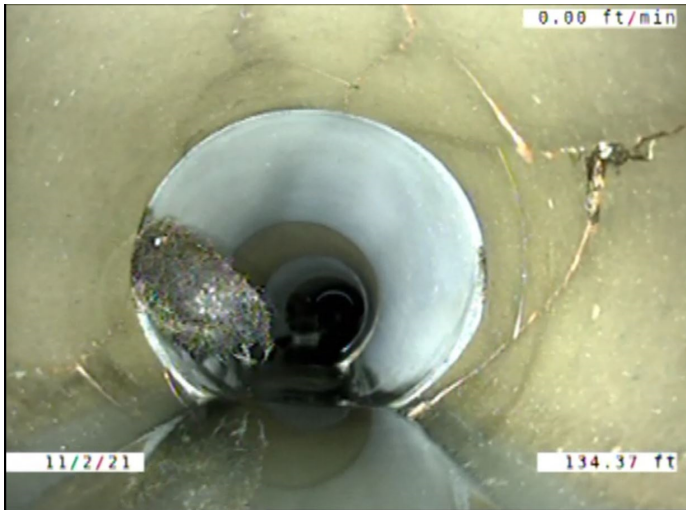
Distance (ft): **133.3**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **12**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:



Code: **RFB**  
 Description: **Roots Fine Barrel**

Distance (ft): **134.3**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **2**  
 Clock To: **3**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:

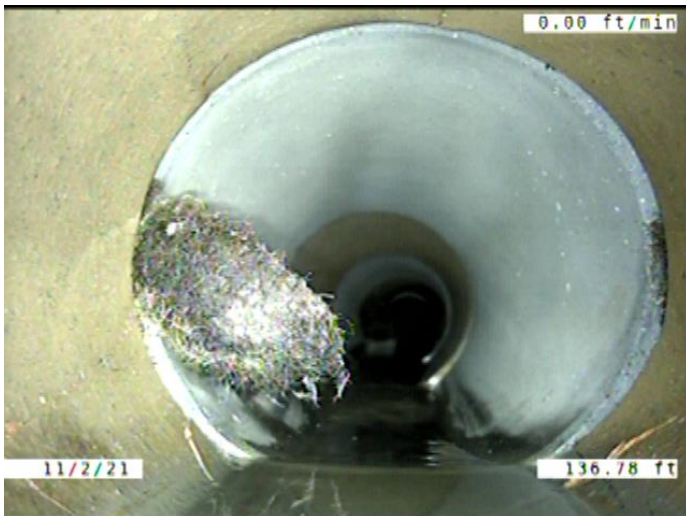




Code: **B**  
Description: **Broken**

Distance (ft): **134.4**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **1**  
Clock To: **5**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

---

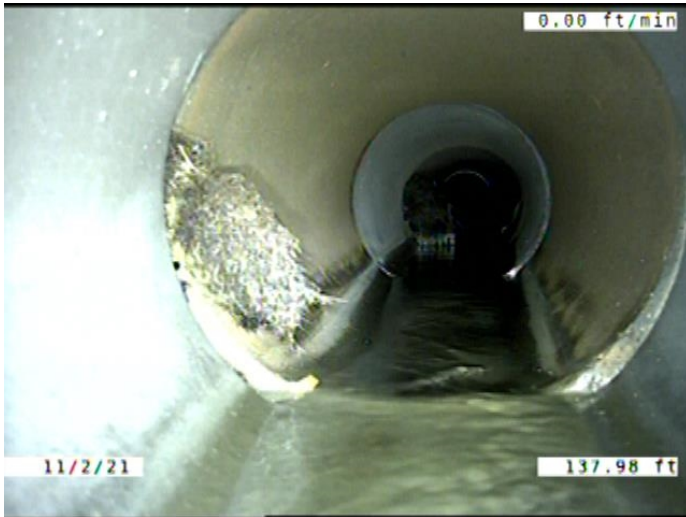


Code: **RMJ**  
Description: **Roots Medium Joint**

Distance (ft): **136.8**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **8**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent: **10.000**  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

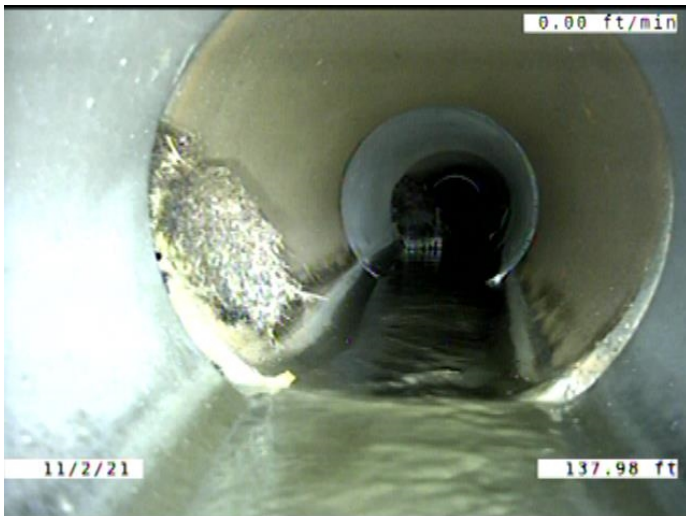
---





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

Distance (ft): **138.0**  
 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: **FM**  
 Description: **Fracture Multiple**

Distance (ft): **138.0**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **8**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index: **F06**  
 Within 8" of Joint: **YES**  
 Remarks:





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

Distance (ft): **139.3**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **8**  
 Clock To: **11**  
 1st Value:  
 2nd Value:  
 Value Percent: **10.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



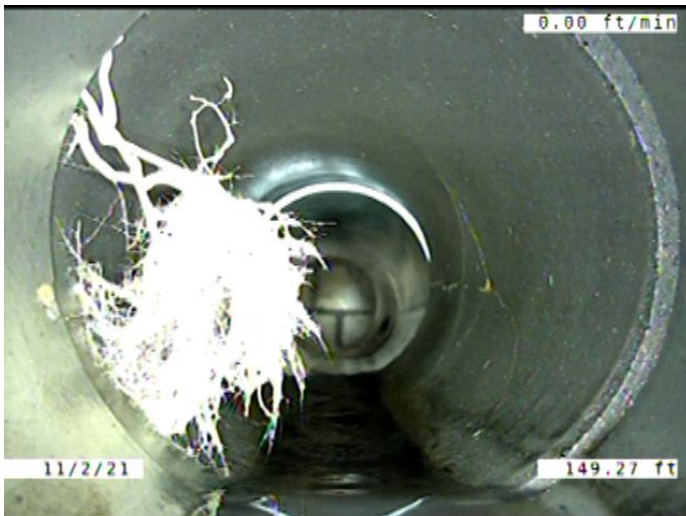
Code: **RMJ**  
 Description: **Roots Medium Joint**

Distance (ft): **144.7**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **7**  
 Clock To: **3**  
 1st Value:  
 2nd Value:  
 Value Percent: **25.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



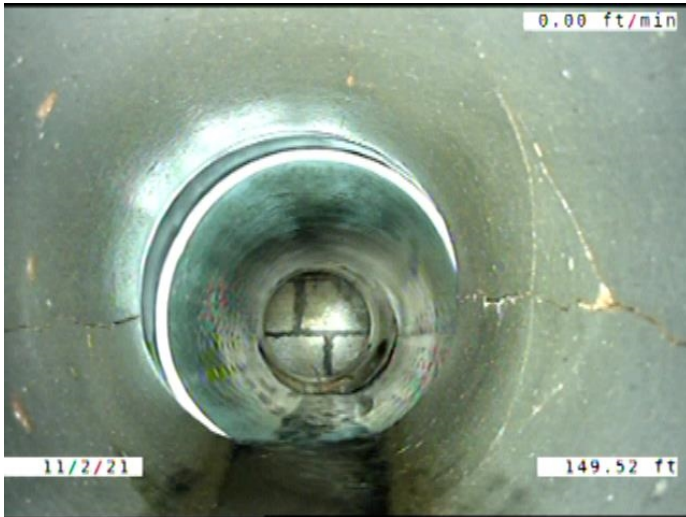


|                     |                           |
|---------------------|---------------------------|
| Code:               | <b>RMJ</b>                |
| Description:        | <b>Roots Medium Joint</b> |
|                     |                           |
| Distance (ft):      | <b>146.7</b>              |
| Structural Grade:   | <b>0</b>                  |
| O&M Grade:          | <b>3</b>                  |
| Clock Start/From:   | <b>10</b>                 |
| Clock To:           | <b>11</b>                 |
| 1st Value:          |                           |
| 2nd Value:          |                           |
| Value Percent:      | <b>5.000</b>              |
| Continuous Index:   |                           |
| Within 8" of Joint: | <b>YES</b>                |
| Remarks:            |                           |



|                     |                           |
|---------------------|---------------------------|
| Code:               | <b>RMJ</b>                |
| Description:        | <b>Roots Medium Joint</b> |
|                     |                           |
| Distance (ft):      | <b>149.3</b>              |
| Structural Grade:   | <b>0</b>                  |
| O&M Grade:          | <b>3</b>                  |
| Clock Start/From:   | <b>10</b>                 |
| Clock To:           | <b>11</b>                 |
| 1st Value:          |                           |
| 2nd Value:          |                           |
| Value Percent:      | <b>10.000</b>             |
| Continuous Index:   |                           |
| Within 8" of Joint: | <b>YES</b>                |
| Remarks:            |                           |

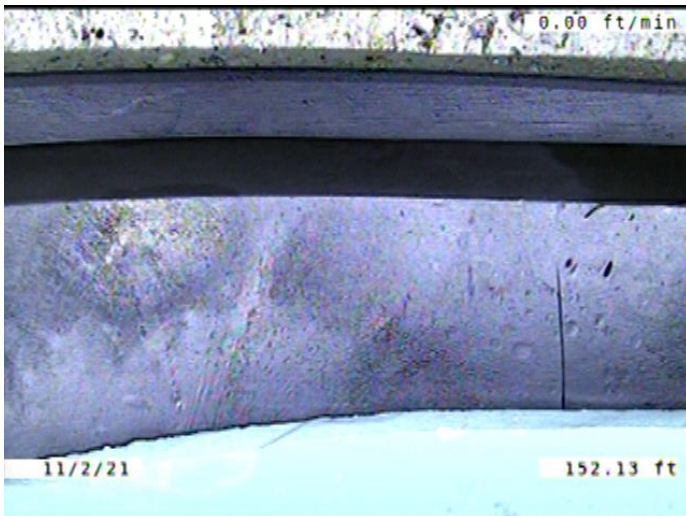




Code: **B**  
Description: **Broken**

Distance (ft): **149.5**  
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:

---

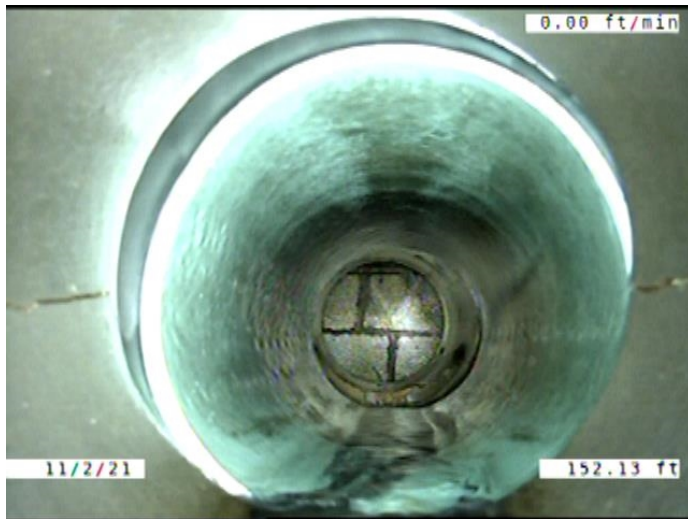


Code: **MMC**  
Description: **Miscellaneous Material Change**

Distance (ft): **152.1**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks: **VCP TO PVC**

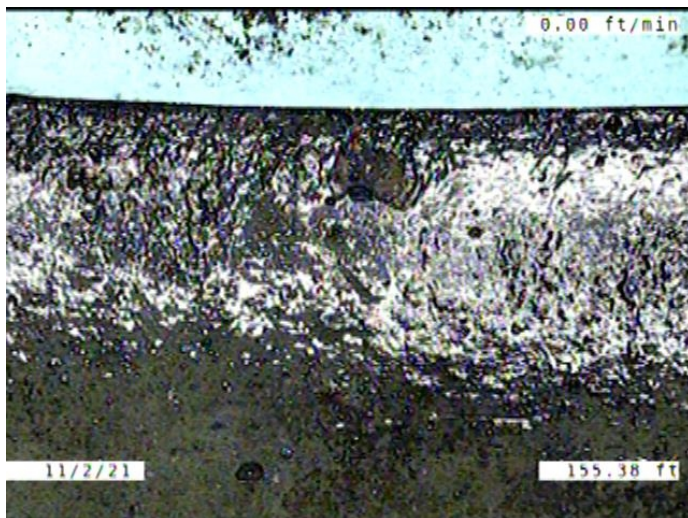
---





Code: **JOM**  
 Description: **Joint Offset Medium**

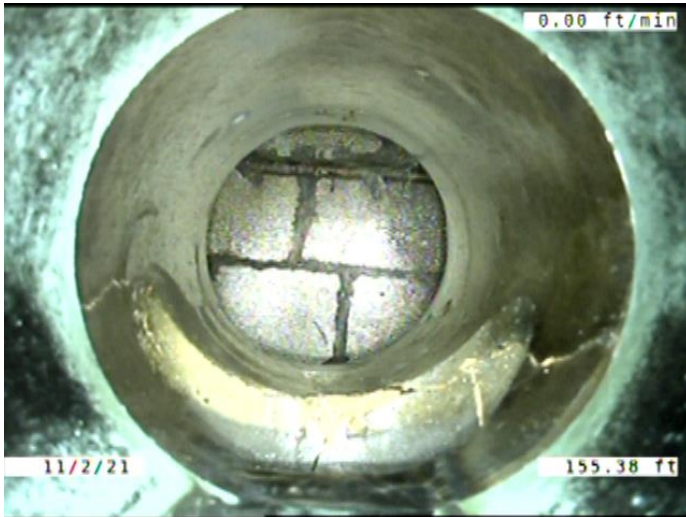
Distance (ft): **152.1**  
 Structural Grade: **3**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:



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

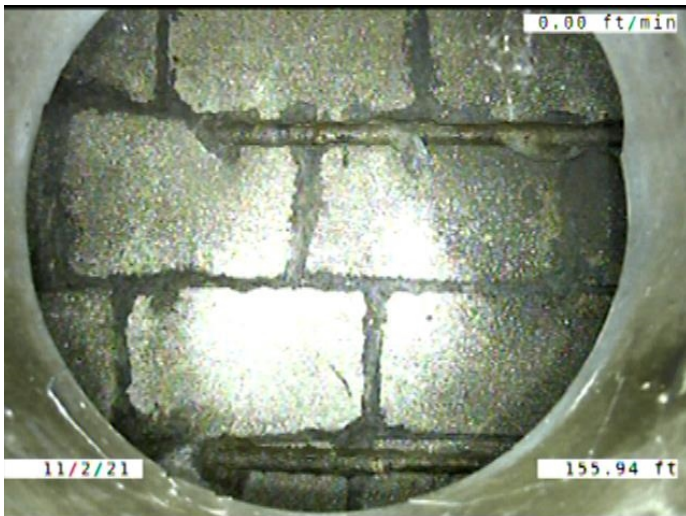
Distance (ft): **155.4**  
 Structural Grade: **0**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks: **PVC TO VCP**





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

Distance (ft): **155.4**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **4**  
 Clock To: **8**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **155.9**  
 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-504-038**