

## Profile/Photo Observation Report

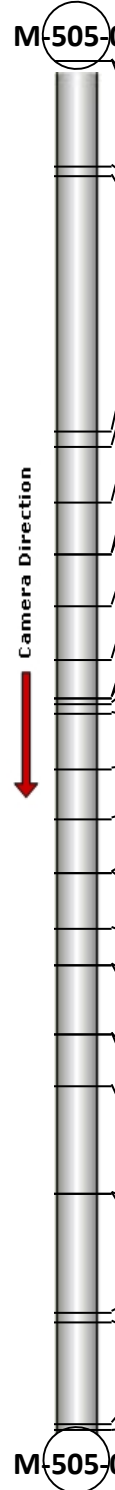


|                   |                   |             |                     |            |                        |
|-------------------|-------------------|-------------|---------------------|------------|------------------------|
| Date:             | <b>04/14/2018</b> | Weather:    |                     | Coding:    | <b>PACP 6.0</b>        |
| Pipe Length (ft): | <b>255.9</b>      | Owner:      | <b>NA</b>           | Pre Clean: | <b>No Pre-Cleaning</b> |
| P.O.#:            |                   | Surveyor:   | <b>Jen Costello</b> | PSR:       | <b>P-505-080-097</b>   |
| Customer:         |                   | Clean Date: | <b>01/01/1900</b>   | Shape:     | <b>C</b>               |

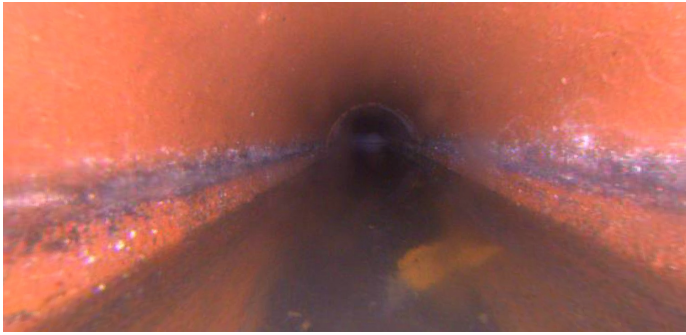
|             |                           |               |                       |
|-------------|---------------------------|---------------|-----------------------|
| Street:     | <b>FOXCROFT STREET</b>    | Flow Control: | <b>Not Controlled</b> |
| City:       | <b>Hobart, IN</b>         | Year Renewed: |                       |
| Location:   | <b>Yard</b>               | Tape/Media #: |                       |
| Purpose:    | <b>Routine Assessment</b> | Dia/Height:   | <b>10"</b>            |
| Use:        | <b>Sanitary</b>           | Material:     | <b>VCP</b>            |
| Drain Area: | <b>NA</b>                 | Lining:       |                       |
| Category:   | <b>NA</b>                 |               |                       |
| Comment:    |                           |               |                       |

|                   |                  |                             |                  |
|-------------------|------------------|-----------------------------|------------------|
| Location Details: |                  | Direction of Survey:        | <b>Upstream</b>  |
| US MH:            | <b>M-505-080</b> | DS MH:                      | <b>M-505-097</b> |
|                   |                  | Total Length Surveyed (ft): | <b>130.0</b>     |

|                   |             |                   |             |                    |              |
|-------------------|-------------|-------------------|-------------|--------------------|--------------|
| O&M Index:        | <b>2.71</b> | O&M Quick:        | <b>5142</b> | O&M Rating:        | <b>57.00</b> |
| Structural Index: | <b>3.75</b> | Structural Quick: | <b>4331</b> | Structural Rating: | <b>15.00</b> |
| Overall Index:    | <b>2.88</b> | Overall Quick:    | <b>5145</b> | Overall Rating:    | <b>72.00</b> |

|  | Position | Code | Observation                    | Video (sec) | Grade |
|--|----------|------|--------------------------------|-------------|-------|
|  |          |      |                                |             |       |
|  | .0       | AMH  | Manhole                        | 10          | NA    |
|  | .0       | MWL  | Water Level                    | 21          | NA    |
|  | 10.1     | TFA  | Tap Factory Active             | 55          | NA    |
|  | 10.9     | DAE  | Deposits Attached Encrustation | 71          | M 2   |
|  | 35.1     | RFJ  | Roots Fine Joint               | 133         | M 1   |
|  | 36.7     | TFA  | Tap Factory Active             | 148         | NA    |
|  | 41.9     | DAZ  | Deposits Attached Other        | 170         | M 2   |
|  | 46.8     | RMB  | Roots Medium Barrel            | 191         | M 4   |
|  | 46.8     | FM   | Fracture Multiple              | 203         | S 4   |
|  | 51.7     | RMJ  | Roots Medium Joint             | 224         | M 3   |
|  | 56.9     | RMJ  | Roots Medium Joint             | 246         | M 3   |
|  | 60.5     | FM   | Fracture Multiple              | 265         | S 4   |
|  | 60.5     | RFB  | Roots Fine Barrel              | 276         | M 2   |
|  | 61.0     | RMB  | Roots Medium Barrel            | 288         | M 4   |
|  | 62.0     | RMJ  | Roots Medium Joint             | 302         | M 3   |
|  | 67.2     | RMJ  | Roots Medium Joint             | 324         | M 3   |
|  | 72.1     | RMJ  | Roots Medium Joint             | 345         | M 3   |
|  | 77.1     | RMJ  | Roots Medium Joint             | 366         | M 3   |
|  | 77.1     | FL   | Fracture Longitudinal          | 377         | S 3   |
|  | 82.5     | RMJ  | Roots Medium Joint             | 400         | M 3   |
|  | 85.9     | FM   | Fracture Multiple              | 418         | S 4   |
|  | 85.9     | RFB  | Roots Fine Barrel              | 429         | M 2   |
|  | 92.4     | DAE  | Deposits Attached Encrustation | 453         | M 2   |
|  | 92.4     | RFJ  | Roots Fine Joint               | 465         | M 1   |
|  | 97.3     | DAE  | Deposits Attached Encrustation | 486         | M 2   |
|  | 107.6    | ID   | Infil Dripper                  | 518         | M 3   |
|  | 107.6    | DAE  | Deposits Attached Encrustation | 529         | M 3   |
|  | 118.9    | TFA  | Tap Factory Active             | 563         | NA    |
|  | 119.7    | DAE  | Deposits Attached Encrustation | 576         | M 3   |
|  | 129.5    | RBB  | Roots Ball Barrel              | 607         | M 5   |
|  | 130.0    | MSA  | Abandoned Survey               | 620         | NA    |
| M-505-080  |          |      |                                |             |       |

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-505-097**

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



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

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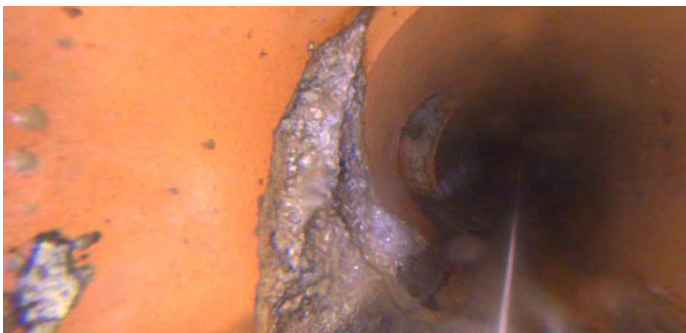
Code: **TFA**  
Description: **Tap Factory Active**



Distance (ft): **10.1**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From: **3**  
Clock To:  
1st Value: **4.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint:  
Remarks:

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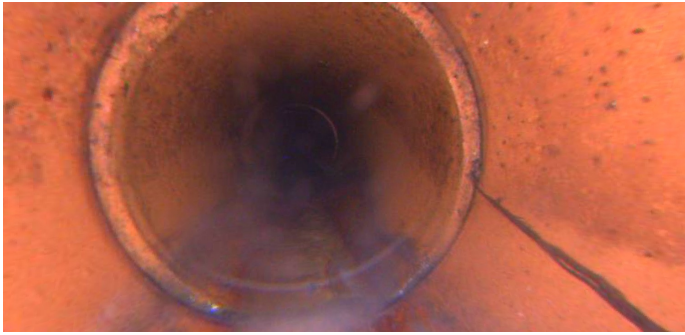
Code: **DAE**  
Description: **Deposits Attached Encrustation**



Distance (ft): **10.9**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **1**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:



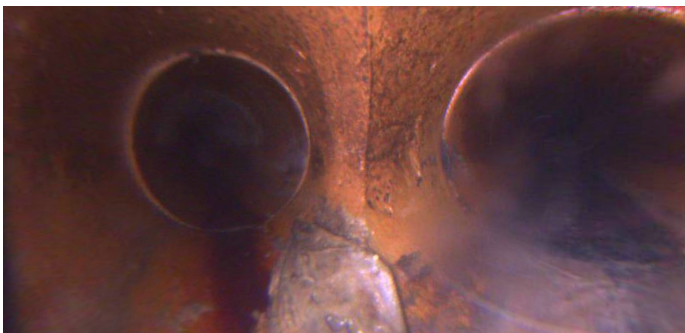
Code: **RFJ**  
Description: **Roots Fine Joint**



Distance (ft): **35.1**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **3**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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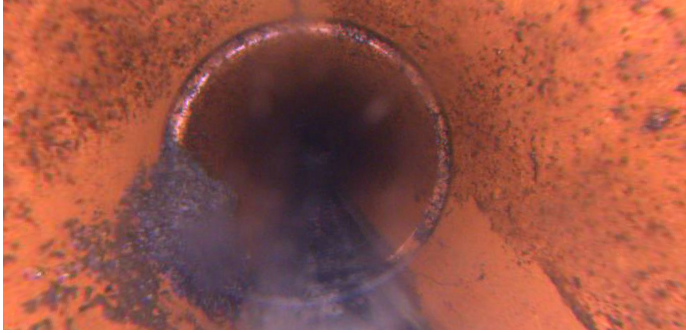
Code: **TFA**  
Description: **Tap Factory Active**



Distance (ft): **36.7**  
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:  
Remarks:

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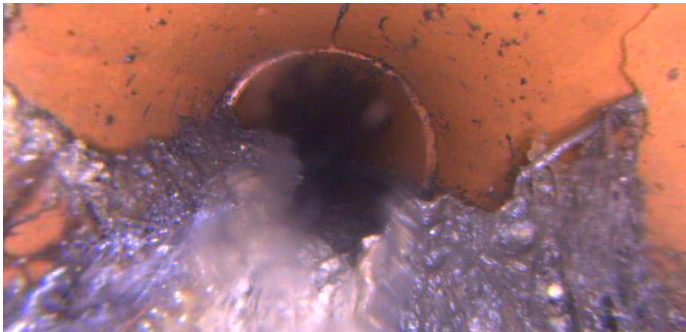
Code: **DAZ**  
Description: **Deposits Attached Other**



Distance (ft): **41.9**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **7**  
Clock To: **9**  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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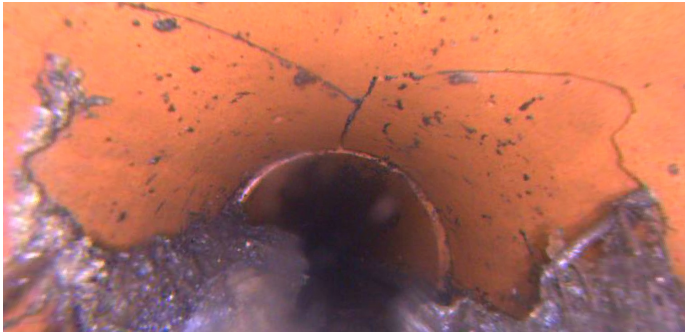
Code: **RMB**  
Description: **Roots Medium Barrel**



Distance (ft): **46.8**  
Structural Grade: **0**  
O&M Grade: **4**  
Clock Start/From: **3**  
Clock To: **9**  
1st Value:  
2nd Value:  
Value Percent: **40.000**  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

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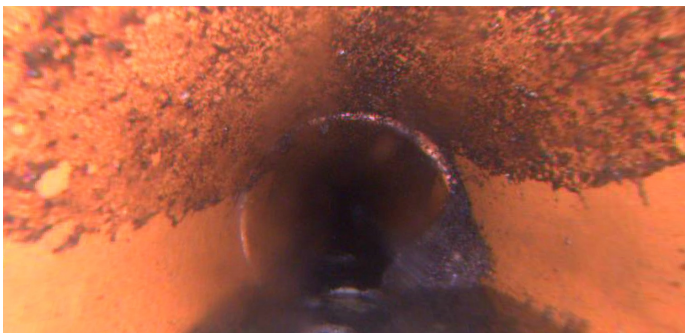
Code: **FM**  
Description: **Fracture Multiple**



Distance (ft): **46.8**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **9**  
Clock To: **3**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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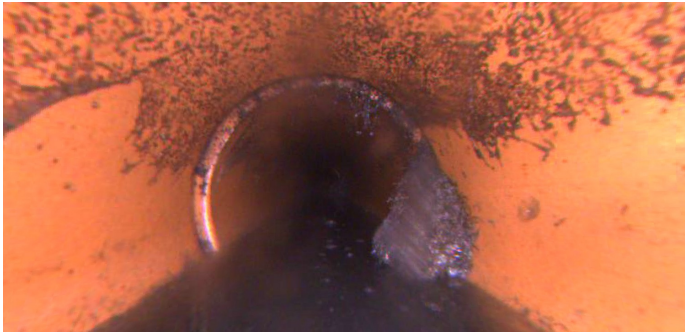
Code: **RMJ**  
Description: **Roots Medium Joint**



Distance (ft): **51.7**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **3**  
Clock To: **5**  
1st Value:  
2nd Value:  
Value Percent: **10.000**  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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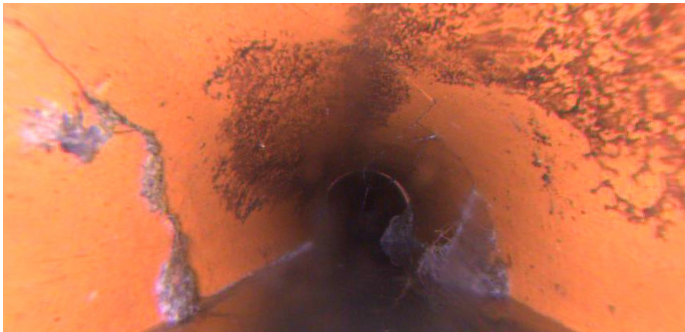
Code: **RMJ**  
Description: **Roots Medium Joint**



Distance (ft): **56.9**  
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:

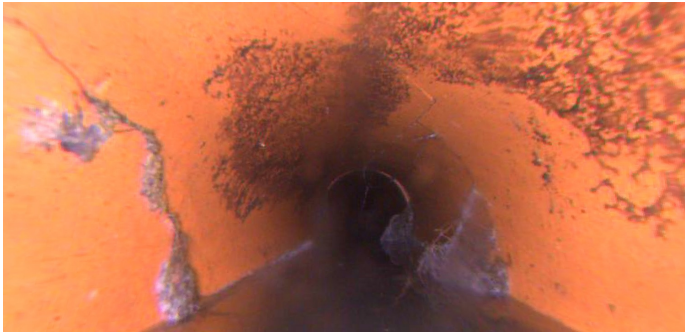
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Code: **FM**  
Description: **Fracture Multiple**



Distance (ft): **60.5**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **8**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint:  
Remarks:

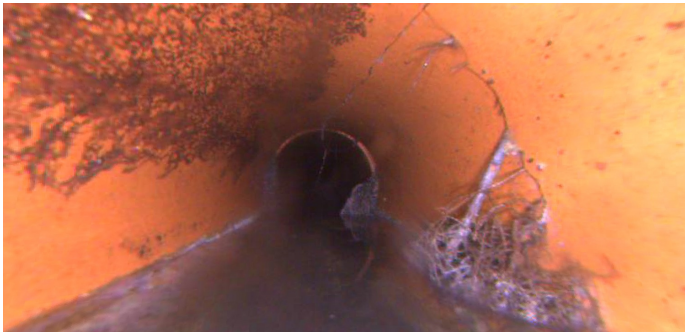
Code: **RFB**  
Description: **Roots Fine Barrel**



Distance (ft): **60.5**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **8**  
Clock To: **9**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

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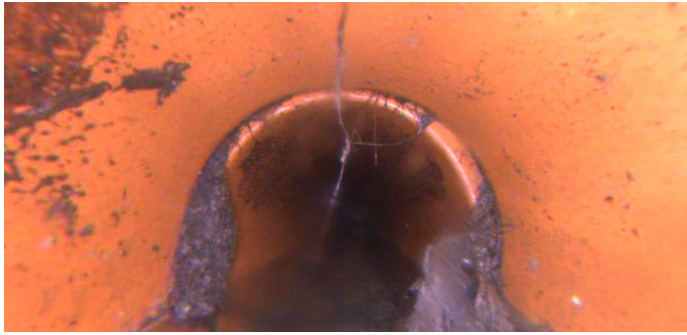
Code: **RMB**  
Description: **Roots Medium Barrel**



Distance (ft): **61.0**  
Structural Grade: **0**  
O&M Grade: **4**  
Clock Start/From: **3**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

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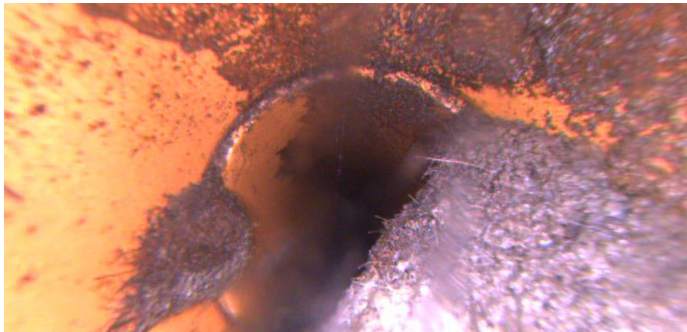




Code: **RMJ**  
Description: **Roots Medium Joint**

Distance (ft): **62.0**  
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:

---

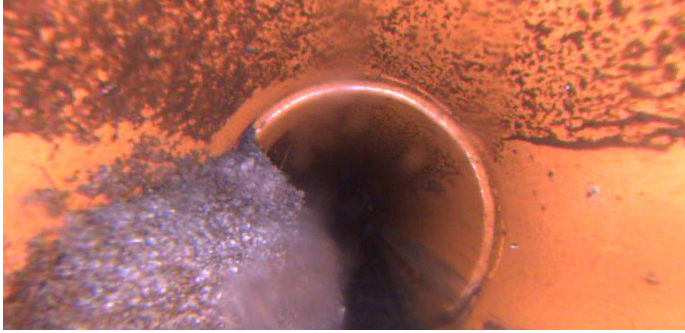


Code: **RMJ**  
Description: **Roots Medium Joint**

Distance (ft): **67.2**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **7**  
Clock To: **6**  
1st Value:  
2nd Value:  
Value Percent: **40.000**  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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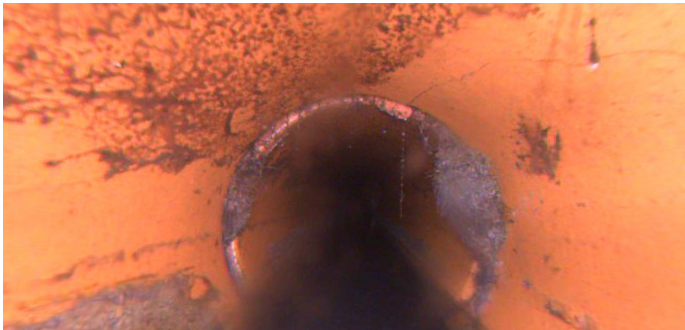
Code: **RMJ**  
Description: **Roots Medium Joint**



Distance (ft): **72.1**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **6**  
Clock To: **9**  
1st Value:  
2nd Value:  
Value Percent: **40.000**  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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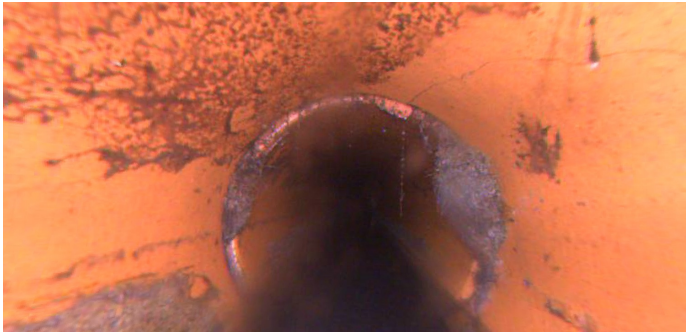
Code: **RMJ**  
Description: **Roots Medium Joint**



Distance (ft): **77.1**  
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:

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Code: **FL**  
Description: **Fracture Longitudinal**



Distance (ft): **77.1**  
Structural Grade: **3**  
O&M Grade: **0**  
Clock Start/From: **1**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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

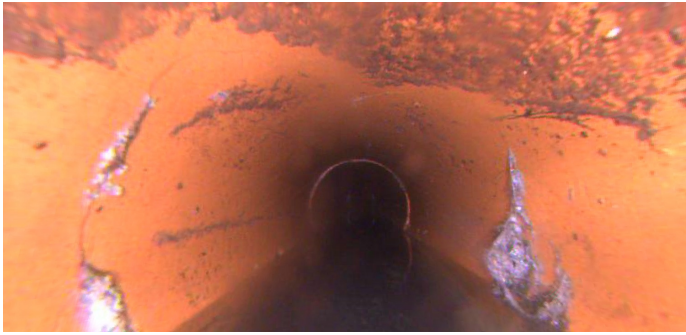


Distance (ft): **82.5**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **8**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent: **10.000**  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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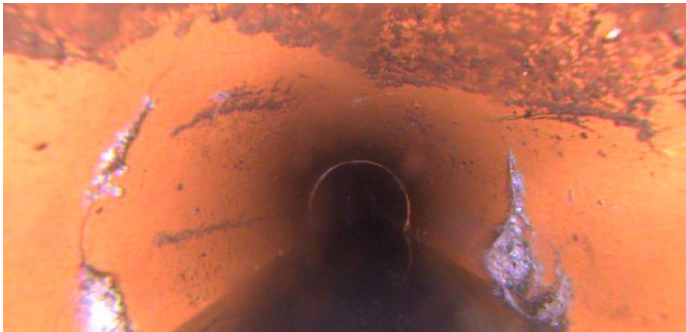
Code: **FM**  
Description: **Fracture Multiple**



Distance (ft): **85.9**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **8**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint:  
Remarks:

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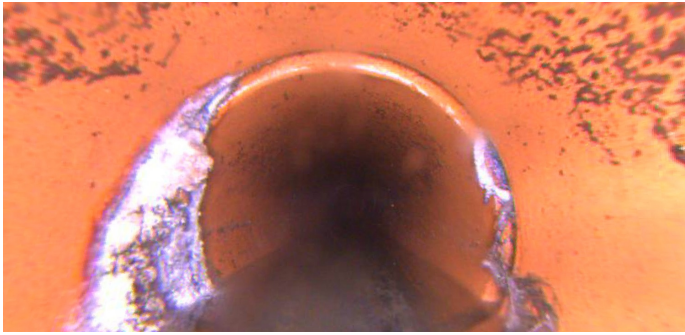
Code: **RFB**  
Description: **Roots Fine Barrel**



Distance (ft): **85.9**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **8**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

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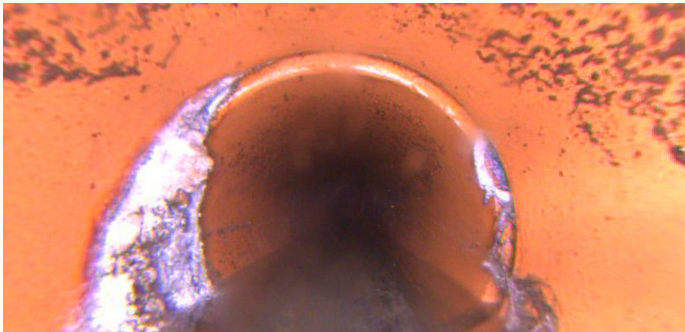
Code: **DAE**  
Description: **Deposits Attached Encrustation**



Distance (ft): **92.4**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **8**  
Clock To: **11**  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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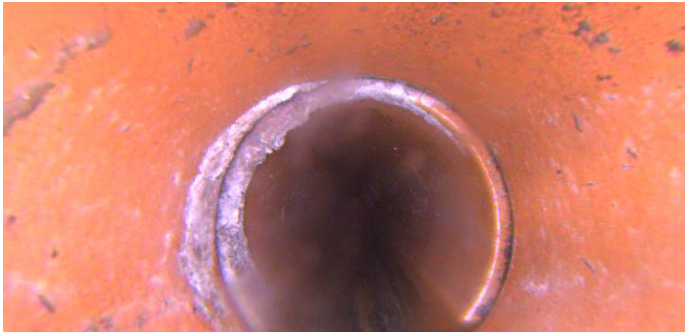
Code: **RFJ**  
Description: **Roots Fine Joint**



Distance (ft): **92.4**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **2**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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



Distance (ft): **97.3**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **8**  
Clock To: **12**  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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Code: **ID**  
Description: **Infil Dripper**



Distance (ft): **107.6**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **11**  
Clock To: **1**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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



Distance (ft): **107.6**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **8**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent: **20.000**  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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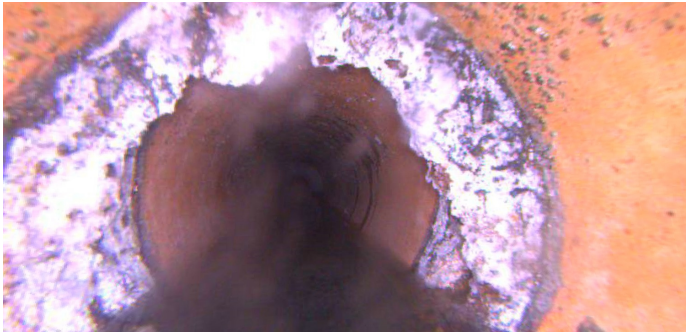
Code: **TFA**  
Description: **Tap Factory Active**



Distance (ft): **118.9**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From: **3**  
Clock To:  
1st Value: **4.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint:  
Remarks:

---

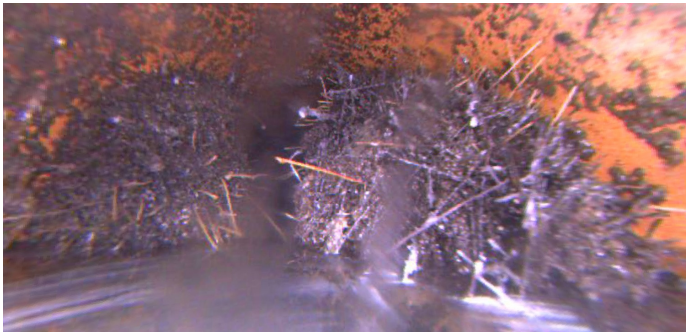
Code: **DAE**  
Description: **Deposits Attached Encrustation**



Distance (ft): **119.7**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **8**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent: **20.000**  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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Code: **RBB**  
Description: **Roots Ball Barrel**



Distance (ft): **129.5**  
Structural Grade: **0**  
O&M Grade: **5**  
Clock Start/From: **8**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent: **70.000**  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

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|                     |                         |
|---------------------|-------------------------|
| Code:               | <b>MSA</b>              |
| Description:        | <b>Abandoned Survey</b> |
| Distance (ft):      | <b>130.0</b>            |
| Structural Grade:   | <b>0</b>                |
| O&M Grade:          | <b>0</b>                |
| Clock Start/From:   |                         |
| Clock To:           |                         |
| 1st Value:          |                         |
| 2nd Value:          |                         |
| Value Percent:      |                         |
| Continuous Index:   |                         |
| Within 8" of Joint: | <b>NO</b>               |
| Remarks:            | <b>ROOTS</b>            |