

## Profile/Photo Observation Report

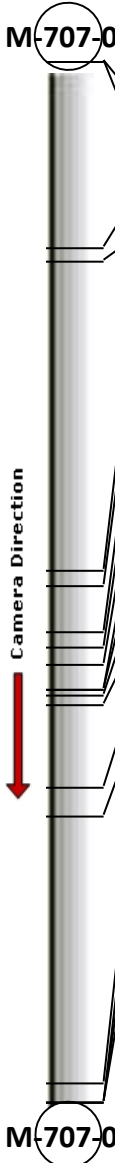


|                   |                   |             |                   |            |                      |
|-------------------|-------------------|-------------|-------------------|------------|----------------------|
| Date:             | <b>04/09/2018</b> | Weather:    |                   | Coding:    | <b>PACP 6.0</b>      |
| Pipe Length (ft): | <b>250.8</b>      | Owner:      | <b>NA</b>         | Pre Clean: | <b>Not Known</b>     |
| P.O.#:            |                   | Surveyor:   | <b>Mark Ruby</b>  | PSR:       | <b>P-707-020-021</b> |
| Customer:         |                   | Clean Date: | <b>01/01/1900</b> | Shape:     | <b>C</b>             |

|             |                            |               |                       |
|-------------|----------------------------|---------------|-----------------------|
| Street:     | <b>LINCOLN ST</b>          | Flow Control: | <b>Not Controlled</b> |
| City:       | <b>Hobart, IN</b>          | Year Renewed: |                       |
| Location:   | <b>Light Highway</b>       | Tape/Media #: |                       |
| Purpose:    | <b>Maintenance Related</b> | Dia/Height:   | <b>8"</b>             |
| Use:        | <b>Sanitary</b>            | Material:     | <b>VCP</b>            |
| Drain Area: | <b>NA</b>                  | Lining:       | <b>Cured in Place</b> |
| Category:   | <b>NA</b>                  |               |                       |
| Comment:    |                            |               |                       |

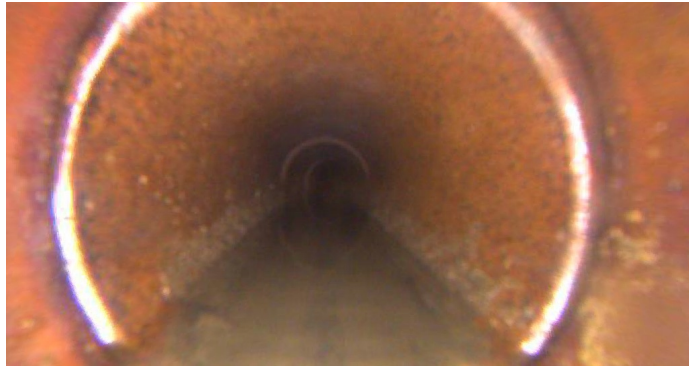
|                   |                  |                             |                   |
|-------------------|------------------|-----------------------------|-------------------|
| Location Details: |                  | Direction of Survey:        | <b>Downstream</b> |
| US MH:            | <b>M-707-021</b> | DS MH:                      | <b>M-707-020</b>  |
|                   |                  | Total Length Surveyed (ft): | <b>137.5</b>      |

|                   |             |                   |             |                    |              |
|-------------------|-------------|-------------------|-------------|--------------------|--------------|
| O&M Index:        | <b>1.22</b> | O&M Quick:        | <b>3122</b> | O&M Rating:        | <b>22.00</b> |
| Structural Index: | <b>0.00</b> | Structural Quick: | <b>0000</b> | Structural Rating: | <b>0.00</b>  |
| Overall Index:    | <b>1.22</b> | Overall Quick:    | <b>3122</b> | Overall Rating:    | <b>22.00</b> |

|  | Position | Code     | Observation           | Video (sec) | Grade |
|--|----------|----------|-----------------------|-------------|-------|
|  | .0       | AMH      | Manhole               | 10          | NA    |
|  | .0       | MWL      | Water Level           | 21          | NA    |
|  | 24.5     | TF       | Tap Factory           | 82          | NA    |
|  | 26.4     | TF       | Tap Factory           | 97          | NA    |
|  | 67.2     | RFJ      | Roots Fine Joint      | 190         | M 1   |
|  | 69.3     | RFJ      | Roots Fine Joint      | 206         | M 1   |
|  | 75.3     | RFJ      | Roots Fine Joint      | 229         | M 1   |
|  | 77.5     | RFJ      | Roots Fine Joint      | 245         | M 1   |
|  | 79.6     | RFJ      | Roots Fine Joint      | 260         | M 1   |
|  | 83.0     | TFD      | Tap Factory Defective | 279         | M 2   |
|  | 83.0     | RML      | Roots Medium Lateral  | 290         | M 3   |
|  | 83.8     | RFJ(S01) | Roots Fine Joint      | 303         | M 1   |
|  | 85.0     | TF       | Tap Factory           | 317         | NA    |
|  | 95.8     | RFJ(F01) | Roots Fine Joint      | 350         | M 1   |
|  | 99.8     | RFJ(S02) | Roots Fine Joint      | 370         | M 1   |
|  | 135.0    | TF       | Tap Factory           | 452         | NA    |
|  | 137.5    | TFD      | Tap Factory Defective | 468         | M 2   |
|  | 137.5    | RFJ(F02) | Roots Fine Joint      | 479         | M 1   |
|  | 137.5    | MSA      | Abandoned Survey      | 490         | NA    |
|  |          |          |                       |             |       |



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-707-021**



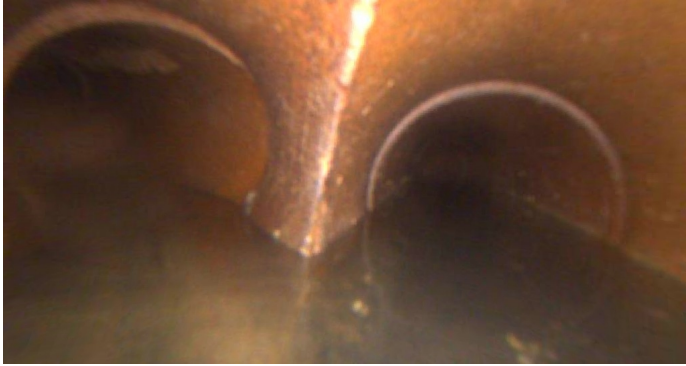
|                     |                    |
|---------------------|--------------------|
| Code:               | <b>MWL</b>         |
| Description:        | <b>Water Level</b> |
| Distance (ft):      | <b>.0</b>          |
| Structural Grade:   | <b>0</b>           |
| O&M Grade:          | <b>0</b>           |
| Clock Start/From:   |                    |
| Clock To:           |                    |
| 1st Value:          |                    |
| 2nd Value:          |                    |
| Value Percent:      | <b>10.000</b>      |
| Continuous Index:   |                    |
| Within 8" of Joint: | <b>NO</b>          |
| Remarks:            |                    |

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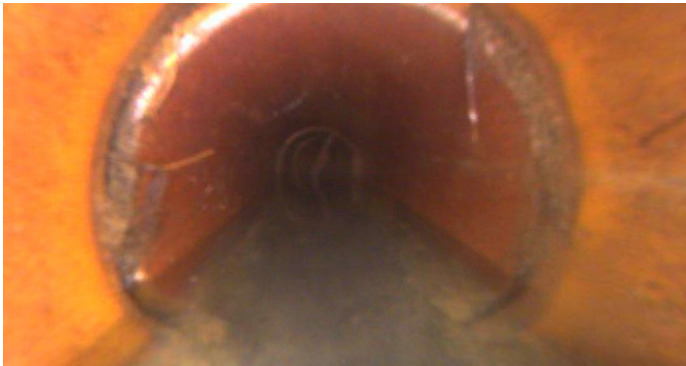
|                     |                    |
|---------------------|--------------------|
| Code:               | <b>TF</b>          |
| Description:        | <b>Tap Factory</b> |
| Distance (ft):      | <b>24.5</b>        |
| Structural Grade:   | <b>0</b>           |
| O&M Grade:          | <b>0</b>           |
| Clock Start/From:   | <b>5</b>           |
| Clock To:           |                    |
| 1st Value:          | <b>4.000</b>       |
| 2nd Value:          |                    |
| Value Percent:      |                    |
| Continuous Index:   |                    |
| Within 8" of Joint: |                    |
| Remarks:            |                    |

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

Distance (ft): **26.4**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From: **8**  
Clock To:  
1st Value: **4.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint:  
Remarks:



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

Distance (ft): **67.2**  
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:

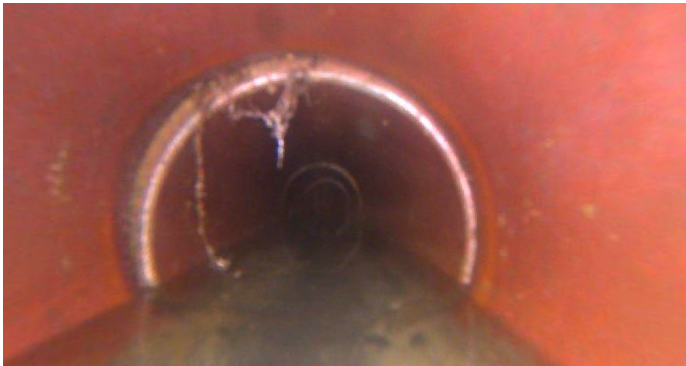
Code: **RFJ**  
Description: **Roots Fine Joint**



Distance (ft): **69.3**  
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:

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



Distance (ft): **75.3**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **10**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

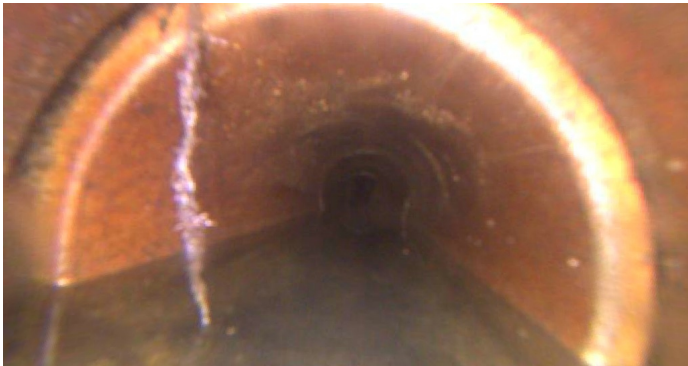
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Code: **RFJ**  
Description: **Roots Fine Joint**

Distance (ft): **77.5**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **12**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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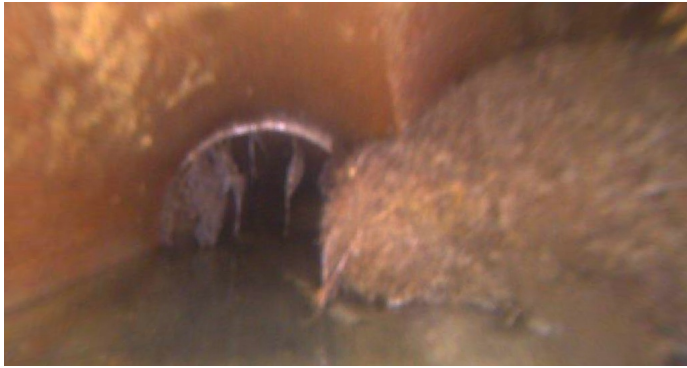


Code: **RFJ**  
Description: **Roots Fine Joint**

Distance (ft): **79.6**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **10**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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

Distance (ft): **83.0**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **3**  
Clock To:  
1st Value: **4.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint:  
Remarks: **Roots**

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

Distance (ft): **83.0**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **4**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **20.000**  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

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

Distance (ft): **83.8**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **7**  
Clock To: **5**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **S01**  
Within 8" of Joint: **YES**  
Remarks:

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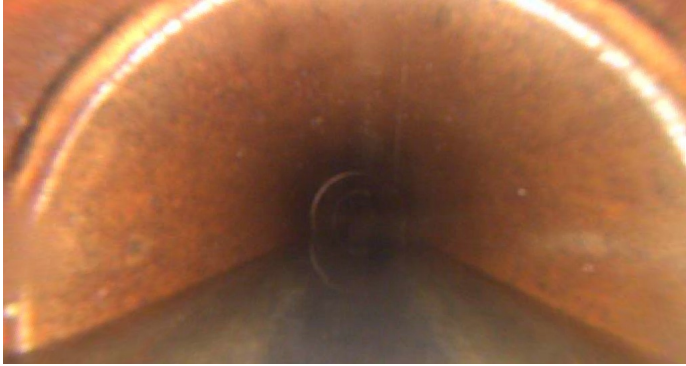


Code: **TF**  
Description: **Tap Factory**

Distance (ft): **85.0**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From: **8**  
Clock To:  
1st Value: **4.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint:  
Remarks:

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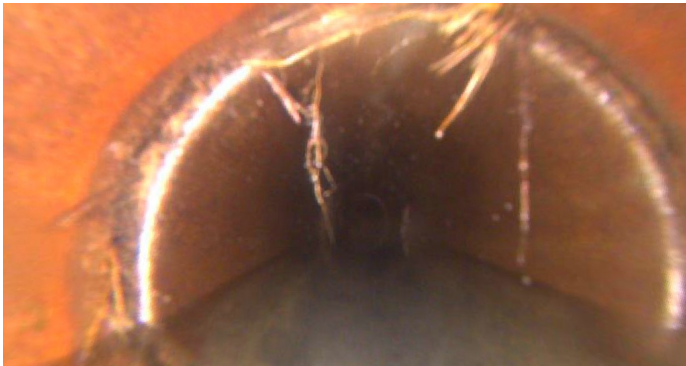




Code: **RFJ**  
Description: **Roots Fine Joint**

Distance (ft): **95.8**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **7**  
Clock To: **5**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **F01**  
Within 8" of Joint: **YES**  
Remarks:

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

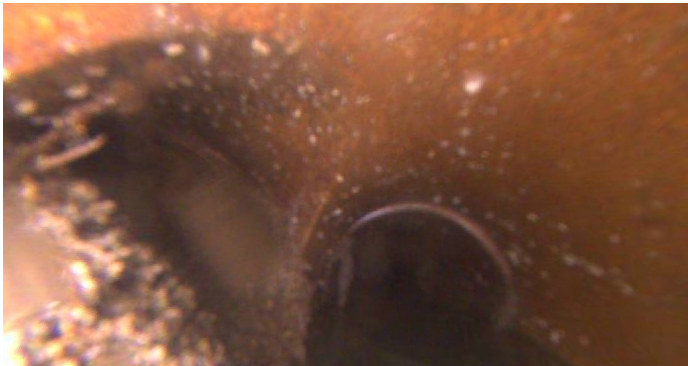
Distance (ft): **99.8**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **7**  
Clock To: **5**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **S02**  
Within 8" of Joint: **YES**  
Remarks:

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

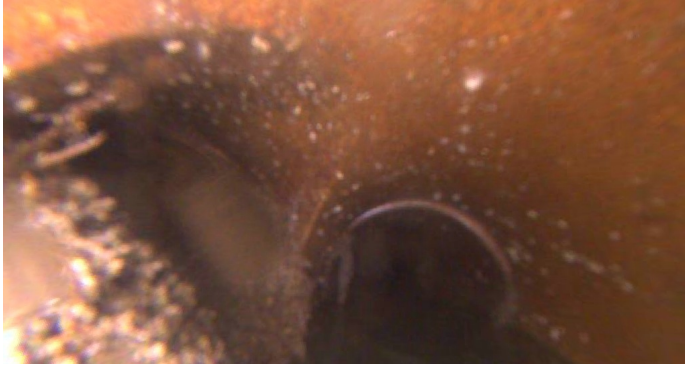
Distance (ft): **135.0**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From: **4**  
Clock To:  
1st Value: **4.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint:  
Remarks:



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

Distance (ft): **137.5**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **8**  
Clock To:  
1st Value: **4.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint:  
Remarks: **Roots**

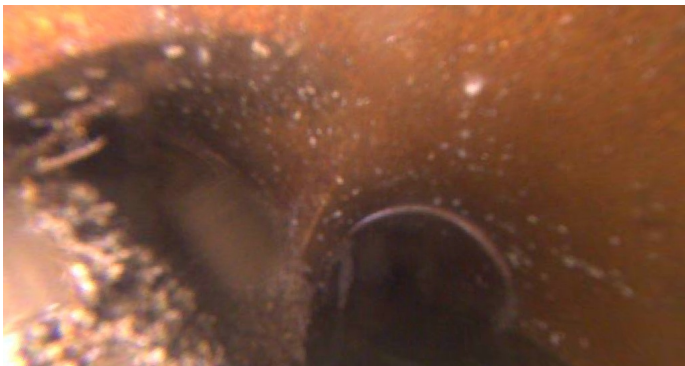
Code: **RFJ**  
Description: **Roots Fine Joint**



Distance (ft): **137.5**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **7**  
Clock To: **5**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **F02**  
Within 8" of Joint: **YES**  
Remarks:

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Code: **MSA**  
Description: **Abandoned Survey**



Distance (ft): **137.5**  
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: **TFD**