

## Profile/Photo Observation Report

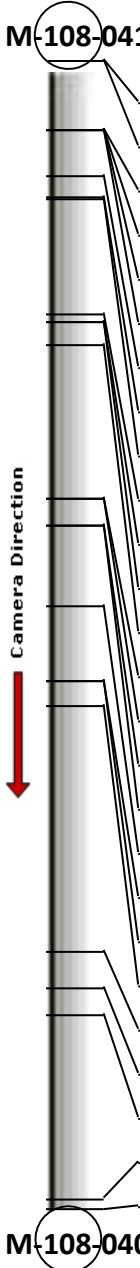


|                   |                   |             |                        |            |                        |
|-------------------|-------------------|-------------|------------------------|------------|------------------------|
| Date:             | <b>03/25/2018</b> | Weather:    |                        | Coding:    | <b>PACP 6.0</b>        |
| Pipe Length (ft): | <b>239.6</b>      | Owner:      | <b>NA</b>              | Pre Clean: | <b>No Pre-Cleaning</b> |
| P.O.#:            |                   | Surveyor:   | <b>Byrd Fitzgerald</b> | PSR:       | <b>P-108-040-041</b>   |
| Customer:         |                   | Clean Date: | <b>01/01/1900</b>      | Shape:     | <b>C</b>               |

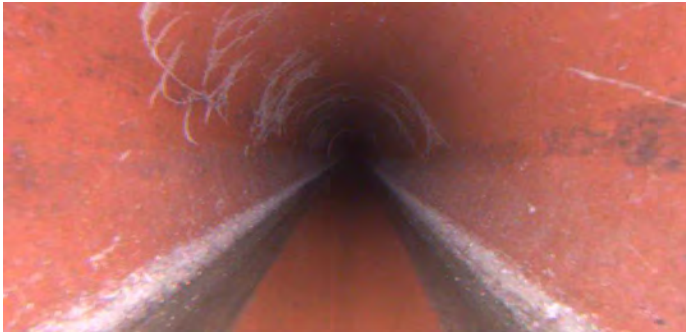
|             |                             |               |                       |
|-------------|-----------------------------|---------------|-----------------------|
| Street:     | <b>OFF 15TH PL</b>          | Flow Control: | <b>Not Controlled</b> |
| City:       | <b>Hobart, IN</b>           | Year Renewed: |                       |
| Location:   | <b>Light Highway</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:    | <b>Flow direction wrong</b> |               |                       |

|                   |                  |                             |                   |
|-------------------|------------------|-----------------------------|-------------------|
| Location Details: |                  | Direction of Survey:        | <b>Downstream</b> |
| US MH:            | <b>M-108-041</b> | DS MH:                      | <b>M-108-040</b>  |
|                   |                  | Total Length Surveyed (ft): | <b>249.1</b>      |

|                   |             |                   |             |                    |              |
|-------------------|-------------|-------------------|-------------|--------------------|--------------|
| O&M Index:        | <b>1.15</b> | O&M Quick:        | <b>281H</b> | O&M Rating:        | <b>62.00</b> |
| Structural Index: | <b>2.25</b> | Structural Quick: | <b>3123</b> | Structural Rating: | <b>9.00</b>  |
| Overall Index:    | <b>1.22</b> | Overall Quick:    | <b>312A</b> | Overall Rating:    | <b>71.00</b> |

|  | Position  | Code     | Observation                    | Video (sec) | Grade |
|--|-----------|----------|--------------------------------|-------------|-------|
|  | M-108-041 |          |                                |             |       |
|  | .0        | AMH      | Manhole                        | 10          | NA    |
|  | .0        | MWL      | Water Level                    | 21          | NA    |
|  | 15.2      | IW       | Infil Weeper                   | 63          | M 2   |
|  | 15.2      | CM       | Crack Multiple                 | 74          | S 3   |
|  | 15.2      | RFJ      | Roots Fine Joint               | 85          | M 1   |
|  | 15.2      | DAE      | Deposits Attached Encrustation | 95          | M 2   |
|  | 24.9      | IW       | Infil Weeper                   | 126         | M 2   |
|  | 29.7      | IW       | Infil Weeper                   | 147         | M 2   |
|  | 30.0      | RFJ(S01) | Roots Fine Joint               | 159         | M 1   |
|  | 55.0      | RFJ      | Roots Fine Joint               | 220         | M 1   |
|  | 56.7      | TF       | Tap Factory                    | 235         | NA    |
|  | 56.7      | DAZ      | Deposits Attached Other        | 246         | M 2   |
|  | 61.6      | DSZ      | Deposits Settled Other         | 268         | M 2   |
|  | 95.0      | JOL      | Joint Offset Large             | 346         | S 2   |
|  | 95.0      | MMC      | Material Change                | 357         | NA    |
|  | 100.7     | JOL      | Joint Offset Large             | 381         | S 2   |
|  | 100.7     | MMC      | Material Change                | 393         | NA    |
|  | 118.1     | CL       | Crack Longitudinal             | 441         | S 2   |
|  | 134.6     | TFD      | Tap Factory Defective          | 485         | M 2   |
|  | 134.6     | RFL      | Roots Fine Lateral             | 496         | M 1   |
|  | 139.9     | IW       | Infil Weeper                   | 518         | M 2   |
|  | 193.1     | MMC      | Material Change                | 636         | NA    |
|  | 201.4     | MMC      | Material Change                | 665         | NA    |
|  | 207.2     | TF       | Tap Factory                    | 689         | NA    |
|  | 247.0     | RFJ(F01) | Roots Fine Joint               | 780         | M 1   |
|  | 249.1     | AMH      | Manhole                        | 797         | NA    |
|  | M-108-040 |          |                                |             |       |

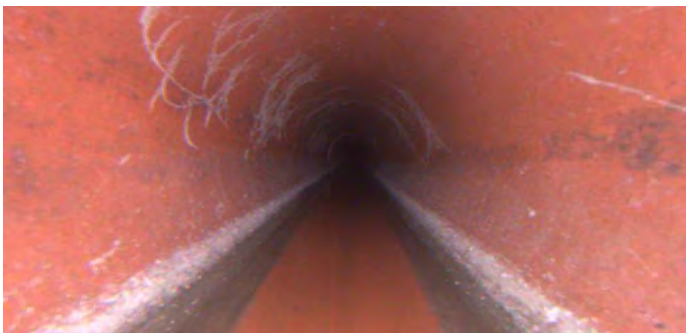
Code: **AMH**  
Description: **Manhole**



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-108-041**

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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: **5.000**  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

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Code: **IW**  
Description: **Infil Weeper**



Distance (ft): **15.2**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **8**  
Clock To: **11**  
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): **15.2**  
Structural Grade: **3**  
O&M Grade: **0**  
Clock Start/From: **7**  
Clock To: **12**  
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): **15.2**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **7**  
Clock To: **10**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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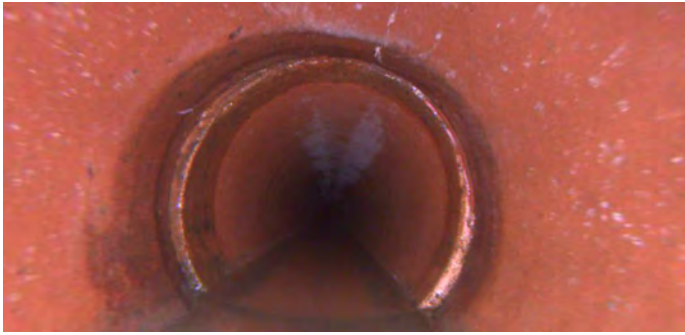
Code: **DAE**  
Description: **Deposits Attached Encrustation**



Distance (ft): **15.2**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **7**  
Clock To: **11**  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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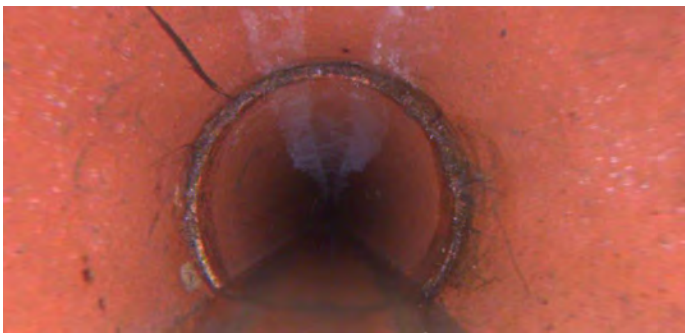
Code: **IW**  
Description: **Infil Weeper**



Distance (ft): **24.9**  
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: **YES**  
Remarks:

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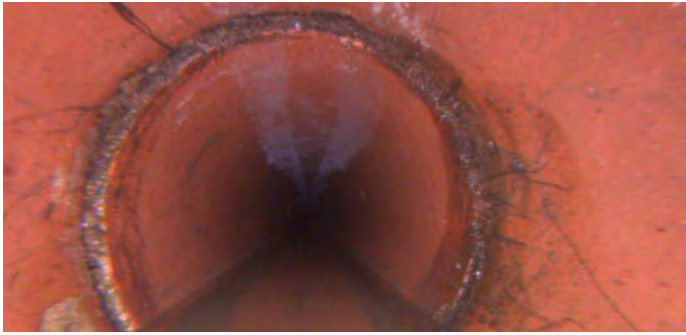
Code: **IW**  
Description: **Infil Weeper**



Distance (ft): **29.7**  
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: **YES**  
Remarks:

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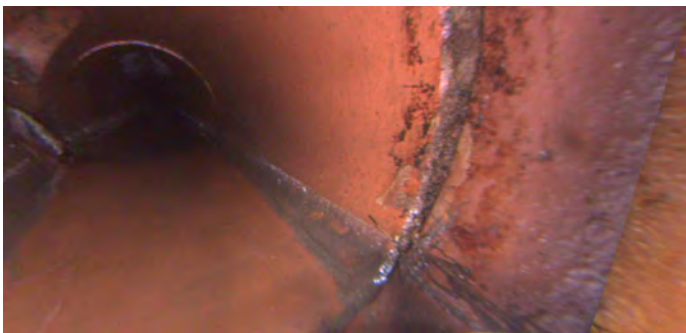
Code: **RFJ**  
Description: **Roots Fine Joint**



Distance (ft): **30.0**  
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: **wandering**

---

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



Distance (ft): **55.0**  
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:

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



Distance (ft): **56.7**  
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:

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

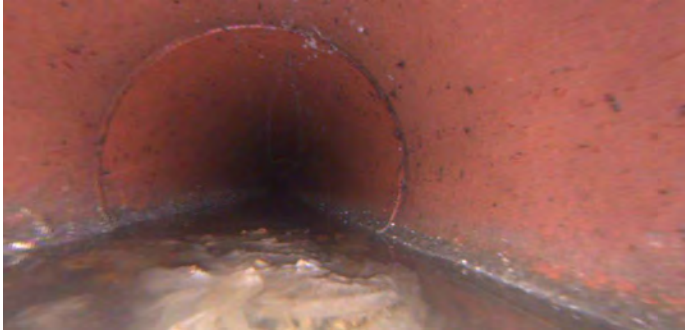


Distance (ft): **56.7**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **3**  
Clock To: **9**  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks: **inside tap**

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Code: **DSZ**  
Description: **Deposits Settled Other**



Distance (ft): **61.6**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **6**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks: **tissue**

---

Code: **JOL**  
Description: **Joint Offset Large**



Distance (ft): **95.0**  
Structural Grade: **2**  
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: **Material Change**



Distance (ft): **95.0**  
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: **pvc**

---

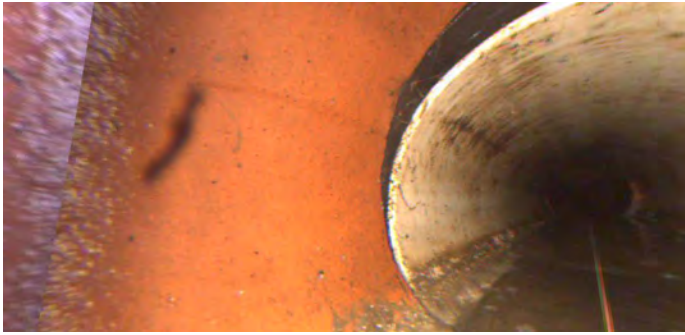
Code: **JOL**  
Description: **Joint Offset Large**



Distance (ft): **100.7**  
Structural Grade: **2**  
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: **Material Change**



Distance (ft): **100.7**  
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**

---

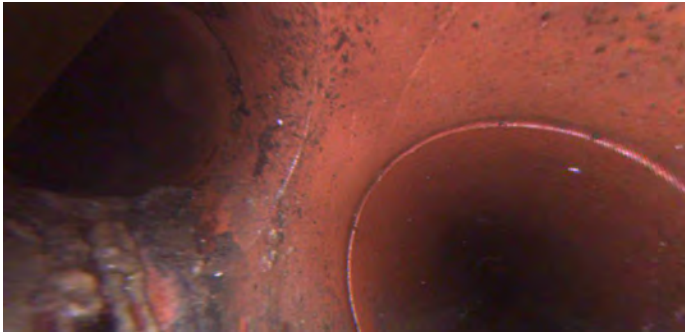
Code: **CL**  
Description: **Crack Longitudinal**



Distance (ft): **118.1**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From: **11**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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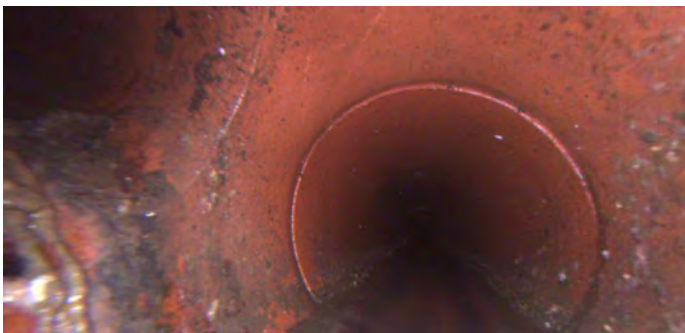
Code: **TFD**  
Description: **Tap Factory Defective**



Distance (ft): **134.6**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **10**  
Clock To:  
1st Value: **4.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks: **ROOTS**

---

Code: **RFL**  
Description: **Roots Fine Lateral**



Distance (ft): **134.6**  
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: **NO**  
Remarks:

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Code: **IW**  
Description: **Infil Weeper**



Distance (ft): **139.9**  
Structural Grade: **0**  
O&M Grade: **2**  
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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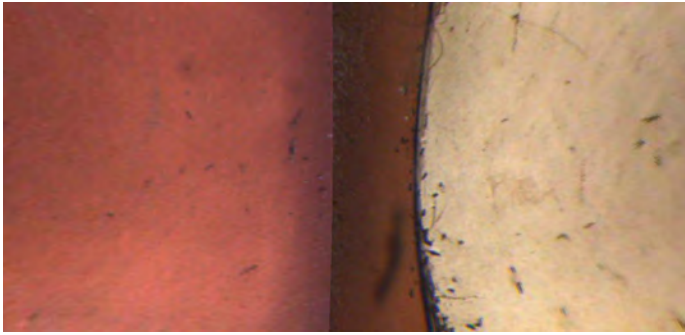
Code: **MMC**  
Description: **Material Change**



Distance (ft): **193.1**  
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: **pvc**

---

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



Distance (ft): **201.4**  
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: **vcp**

---

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



Distance (ft): **207.2**  
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:  
Remarks:

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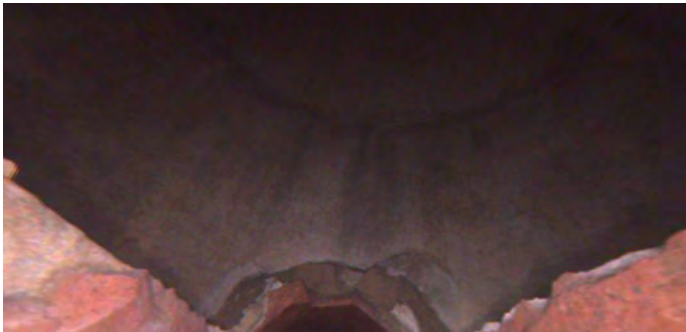
Code: **RFJ**  
Description: **Roots Fine Joint**



Distance (ft): **247.0**  
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: **wandering**

---

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



Distance (ft): **249.1**  
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: **M-108-040**