

## Profile/Photo Observation Report




|                   |                   |             |                     |            |                      |
|-------------------|-------------------|-------------|---------------------|------------|----------------------|
| Date:             | <b>04/24/2018</b> | Weather:    |                     | Coding:    | <b>PACP 6.0</b>      |
| Pipe Length (ft): | <b>210.4</b>      | Owner:      | <b>NA</b>           | Pre Clean: | <b>Not Known</b>     |
| P.O.#:            |                   | Surveyor:   | <b>Jen Costello</b> | PSR:       | <b>P-605-039-038</b> |
| Customer:         |                   | Clean Date: | <b>01/01/1900</b>   | Shape:     | <b>C</b>             |

|             |                          |               |                       |
|-------------|--------------------------|---------------|-----------------------|
| Street:     | <b>S PENNSYLVANIA ST</b> | Flow Control: | <b>Not Controlled</b> |
| City:       | <b>Hobart, IN</b>        | Year Renewed: |                       |
| Location:   | <b>Other</b>             | Tape/Media #: |                       |
| Purpose:    | <b>Not Known</b>         | Dia/Height:   | <b>12"</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>Downstream</b> |
| US MH:            | <b>M-605-038</b> | DS MH:                      | <b>M-605-039</b>  |
|                   |                  | Total Length Surveyed (ft): | <b>97.1</b>       |

|                   |             |                   |             |                    |              |
|-------------------|-------------|-------------------|-------------|--------------------|--------------|
| O&M Index:        | <b>2.25</b> | O&M Quick:        | <b>3422</b> | O&M Rating:        | <b>18.00</b> |
| Structural Index: | <b>3.33</b> | Structural Quick: | <b>4634</b> | Structural Rating: | <b>40.00</b> |
| Overall Index:    | <b>2.90</b> | Overall Quick:    | <b>4638</b> | Overall Rating:    | <b>58.00</b> |

|  | Position | Code | Observation              | Video (sec) | Grade |
|--|----------|------|--------------------------|-------------|-------|
| <b>M-605-038</b>   |          |      |                          |             |       |
|  | .0       | AMH  | Manhole                  | 10          | NA    |
|  | .0       | MWL  | Water Level              | 21          | NA    |
|  | 21.6     | FM   | Fracture Multiple        | 76          | S 4   |
|  | 23.1     | TF   | Tap Factory              | 90          | NA    |
|  | 23.8     | CL   | Crack Longitudinal       | 104         | S 2   |
|  | 25.3     | TFC  | Tap Factory Capped       | 118         | NA    |
|  | 26.7     | TBI  | Tap Break-in Intruding   | 133         | M 2   |
|  | 37.7     | FL   | Fracture Longitudinal    | 167         | S 3   |
|  | 49.4     | RFJ  | Roots Fine Joint         | 202         | M 1   |
|  | 57.4     | FC   | Fracture Circumferential | 230         | S 2   |
|  | 58.7     | TF   | Tap Factory              | 244         | NA    |
|  | 59.8     | FL   | Fracture Longitudinal    | 258         | S 3   |
|  | 60.7     | TFC  | Tap Factory Capped       | 272         | NA    |
|  | 60.7     | TB   | Tap Break-in             | 283         | NA    |
|  | 61.5     | FM   | Fracture Multiple        | 297         | S 4   |
|  | 62.6     | TB   | Tap Break-in             | 311         | NA    |
|  | 69.3     | FS   | Fracture Spiral          | 336         | S 3   |
|  | 71.0     | FM   | Fracture Multiple        | 351         | S 4   |
|  | 83.5     | FL   | Fracture Longitudinal    | 388         | S 3   |
|  | 85.3     | RMJ  | Roots Medium Joint       | 403         | M 3   |
|  | 89.3     | RMJ  | Roots Medium Joint       | 423         | M 3   |
|  | 91.1     | FM   | Fracture Multiple        | 438         | S 4   |
|  | 91.1     | RMJ  | Roots Medium Joint       | 449         | M 3   |
|  | 92.8     | FM   | Fracture Multiple        | 464         | S 4   |
|  | 92.8     | RFJ  | Roots Fine Joint         | 475         | M 1   |
|  | 95.2     | RMJ  | Roots Medium Joint       | 491         | M 3   |
|  | 95.2     | FM   | Fracture Multiple        | 503         | S 4   |
|  | 96.5     | TBI  | Tap Break-in Intruding   | 517         | M 2   |
|  | 97.1     | TF   | Tap Factory              | 530         | NA    |
|  | 97.1     | MSA  | Abandoned Survey         | 541         | NA    |
| <b>M-605-039</b>   |          |      |                          |             |       |

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-605-038**

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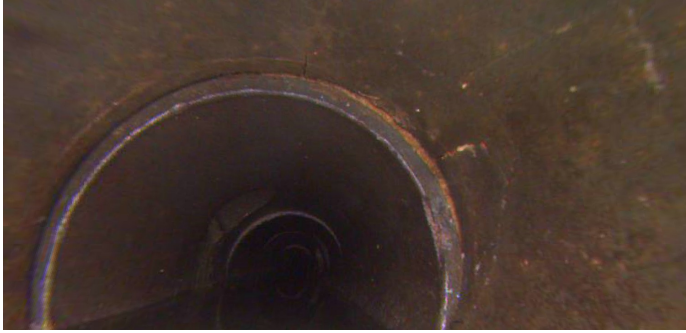
Code: **MWL**  
Description: **Water Level**



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

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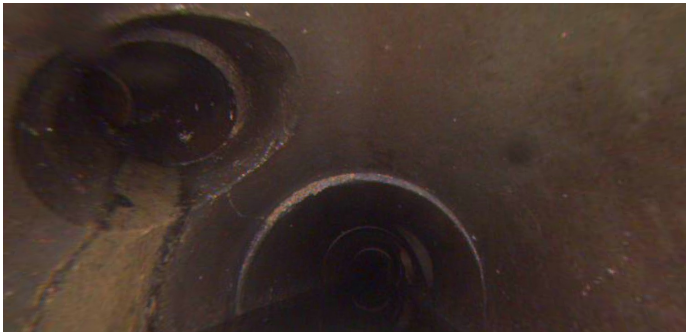
Code: **FM**  
Description: **Fracture Multiple**



Distance (ft): **21.6**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **12**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

---

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

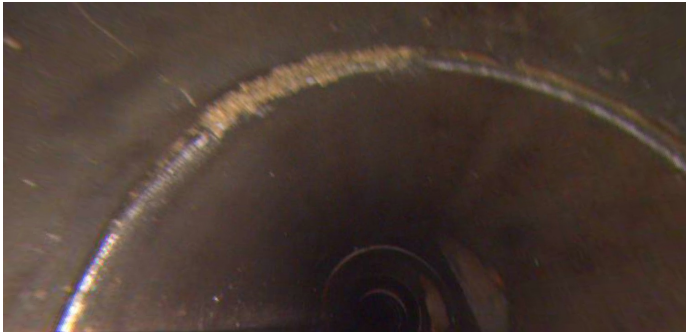


Distance (ft): **23.1**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From: **10**  
Clock To:  
1st Value: **4.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint:  
Remarks:

---



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



Distance (ft): **23.8**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From: **10**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

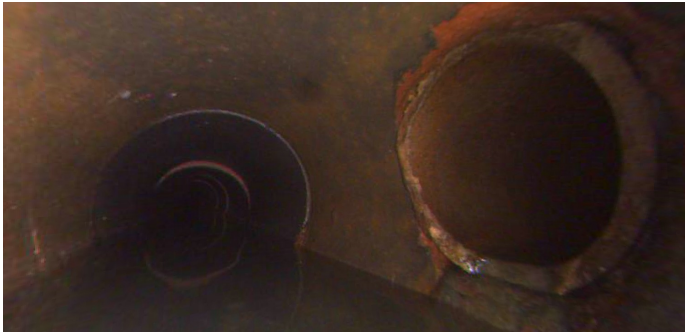
---

Code: **TFC**  
Description: **Tap Factory Capped**



Distance (ft): **25.3**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From: **2**  
Clock To:  
1st Value: **4.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint:  
Remarks:

Code: **TBI**  
Description: **Tap Break-in Intruding**



Distance (ft): **26.7**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **3**  
Clock To:  
1st Value: **4.000**  
2nd Value: **1.000**  
Value Percent:  
Continuous Index:  
Within 8" of Joint:  
Remarks:

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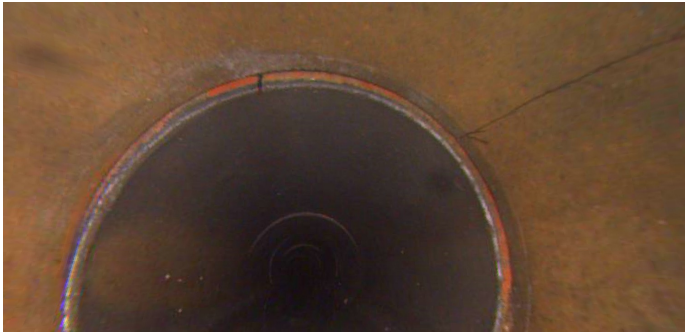
Code: **FL**  
Description: **Fracture Longitudinal**



Distance (ft): **37.7**  
Structural Grade: **3**  
O&M Grade: **0**  
Clock Start/From: **9**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

---

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



Distance (ft): **49.4**  
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:

---

Code: **FC**  
Description: **Fracture Circumferential**



Distance (ft): **57.4**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From: **1**  
Clock To: **2**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

---

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



Distance (ft): **58.7**  
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:  
Remarks:

---

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



Distance (ft): **59.8**  
Structural Grade: **3**  
O&M Grade: **0**  
Clock Start/From: **10**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

---

Code: **TFC**  
Description: **Tap Factory Capped**



Distance (ft): **60.7**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From: **2**  
Clock To:  
1st Value: **4.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint:  
Remarks:

---

Code: **TB**  
Description: **Tap Break-in**



Distance (ft): **60.7**  
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:  
Remarks:

---

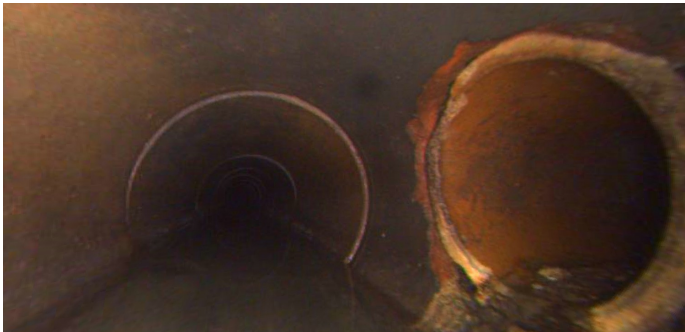
Code: **FM**  
Description: **Fracture Multiple**



Distance (ft): **61.5**  
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: **TB**  
Description: **Tap Break-in**



Distance (ft): **62.6**  
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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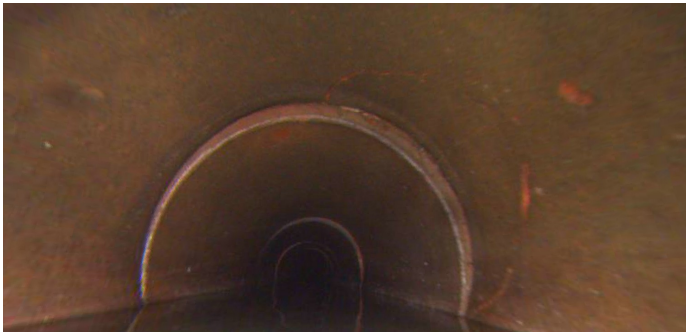
Code: **FS**  
Description: **Fracture Spiral**



Distance (ft): **69.3**  
Structural Grade: **3**  
O&M Grade: **0**  
Clock Start/From: **9**  
Clock To: **11**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

---

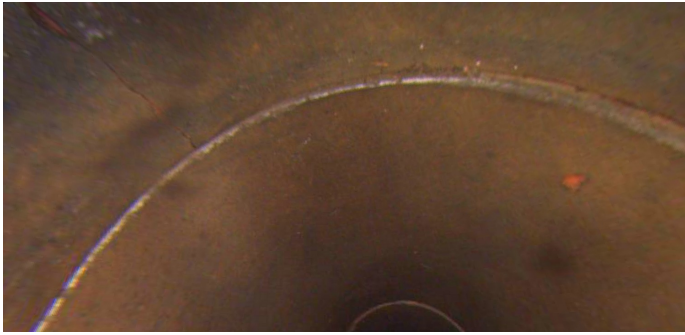
Code: **FM**  
Description: **Fracture Multiple**



Distance (ft): **71.0**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **12**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

---

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



Distance (ft): **83.5**  
Structural Grade: **3**  
O&M Grade: **0**  
Clock Start/From: **10**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

---

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

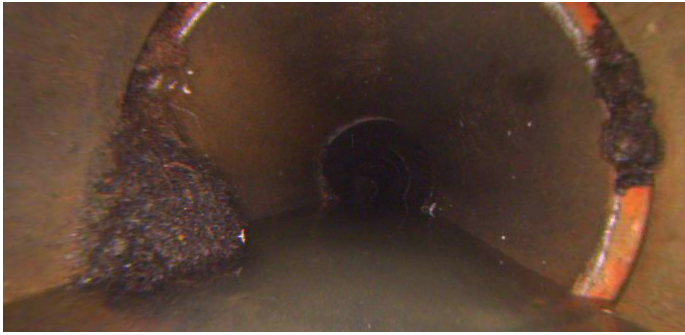


Distance (ft): **85.3**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **8**  
Clock To: **10**  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

---



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



Distance (ft): **89.3**  
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: **FM**  
Description: **Fracture Multiple**



Distance (ft): **91.1**  
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: **YES**  
Remarks:

---

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



Distance (ft): **91.1**  
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:

---

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



Distance (ft): **92.8**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **12**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

---

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



Distance (ft): **92.8**  
Structural Grade: **0**  
O&M Grade: **1**  
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: **RMJ**  
Description: **Roots Medium Joint**



Distance (ft): **95.2**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **8**  
Clock To: **9**  
1st Value:  
2nd Value:  
Value Percent: **30.000**  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

---

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



Distance (ft): **95.2**  
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: **YES**  
Remarks:

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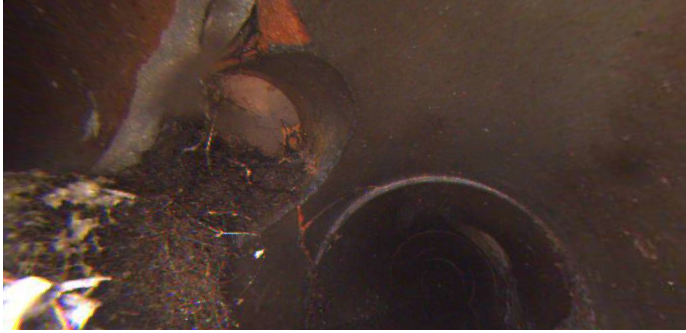
Code: **TBI**  
Description: **Tap Break-in Intruding**



Distance (ft): **96.5**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **10**  
Clock To:  
1st Value: **4.000**  
2nd Value: **1.000**  
Value Percent:  
Continuous Index:  
Within 8" of Joint:  
Remarks:

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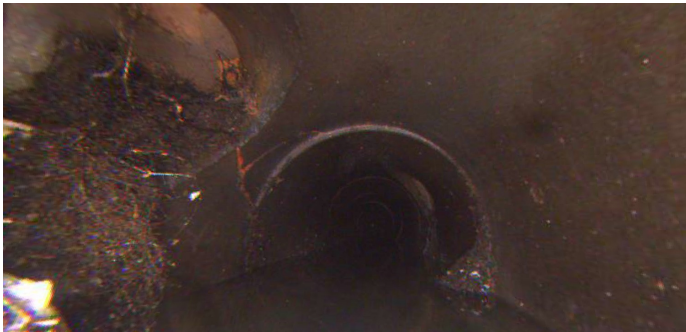
Code: **TF**  
Description: **Tap Factory**



Distance (ft): **97.1**  
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: **MSA**  
Description: **Abandoned Survey**



Distance (ft): **97.1**  
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: **RMJ**