

## Profile/Photo Observation Report



|                   |                   |             |                   |            |                      |
|-------------------|-------------------|-------------|-------------------|------------|----------------------|
| Date:             | <b>04/07/2018</b> | Weather:    |                   | Coding:    | <b>PACP 6.0</b>      |
| Pipe Length (ft): | <b>276.5</b>      | Owner:      | <b>NA</b>         | Pre Clean: | <b>Not Known</b>     |
| P.O.#:            |                   | Surveyor:   | <b>Mark Ruby</b>  | PSR:       | <b>P-804-048-047</b> |
| Customer:         |                   | Clean Date: | <b>01/01/1900</b> | Shape:     | <b>C</b>             |

|             |                   |               |                       |
|-------------|-------------------|---------------|-----------------------|
| Street:     | <b>N Ohio 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>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-804-047</b> | DS MH:                      | <b>M-804-048</b> |
|                   |                  | Total Length Surveyed (ft): | <b>254.8</b>     |

|                   |             |                   |             |                    |              |
|-------------------|-------------|-------------------|-------------|--------------------|--------------|
| O&M Index:        | <b>1.50</b> | O&M Quick:        | <b>2212</b> | O&M Rating:        | <b>6.00</b>  |
| Structural Index: | <b>2.80</b> | Structural Quick: | <b>4132</b> | Structural Rating: | <b>14.00</b> |
| Overall Index:    | <b>2.22</b> | Overall Quick:    | <b>4132</b> | Overall Rating:    | <b>20.00</b> |

|  | Position | Code | Observation            | Video (sec) | Grade |
|--|----------|------|------------------------|-------------|-------|
|  |          |      |                        |             |       |
|  | .0       | AMH  | Manhole                | 10          | NA    |
|  | .0       | MWL  | Water Level            | 21          | NA    |
|  | .6       | TBI  | Tap Break-in Intruding | 34          | M 2   |
|  | .6       | RFC  | Roots Fine Connection  | 45          | M 1   |
|  | 3.3      | CM   | Crack Multiple         | 62          | S 3   |
|  | 12.9     | TF   | Tap Factory            | 95          | NA    |
|  | 29.7     | RFJ  | Roots Fine Joint       | 142         | M 1   |
|  | 80.5     | TB   | Tap Break-in           | 257         | NA    |
|  | 139.0    | TBI  | Tap Break-in Intruding | 389         | M 2   |
|  | 164.1    | TF   | Tap Factory            | 454         | NA    |
|  | 182.2    | FM   | Fracture Multiple      | 505         | S 4   |
|  | 221.7    | SSS  | Surface Spalling       | 599         | S 2   |
|  | 228.0    | SSS  | Surface Spalling       | 626         | S 2   |
|  | 228.0    | FL   | Fracture Longitudinal  | 637         | S 3   |
|  | 254.8    | MSA  | Abandoned Survey       | 703         | 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-804-048**

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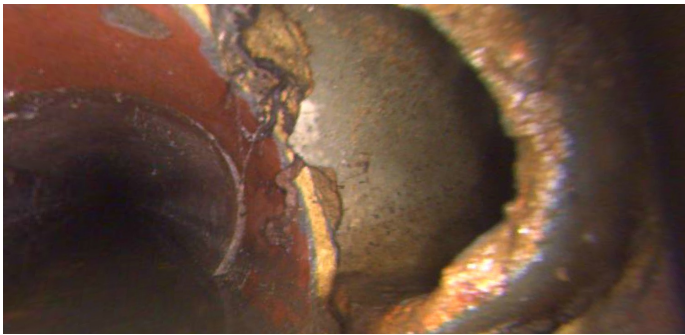
Code: **MWL**  
Description: **Water Level**



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

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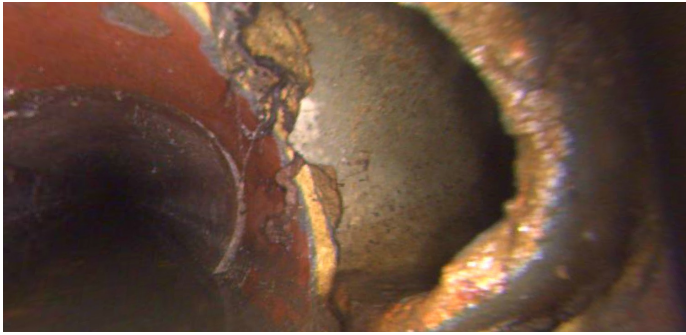
Code: **TBI**  
Description: **Tap Break-in Intruding**



Distance (ft): **.6**  
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: **RFC**  
Description: **Roots Fine Connection**



Distance (ft): **.6**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **2**  
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): **3.3**  
Structural Grade: **3**  
O&M Grade: **0**  
Clock Start/From: **10**  
Clock To: **2**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint:  
Remarks:

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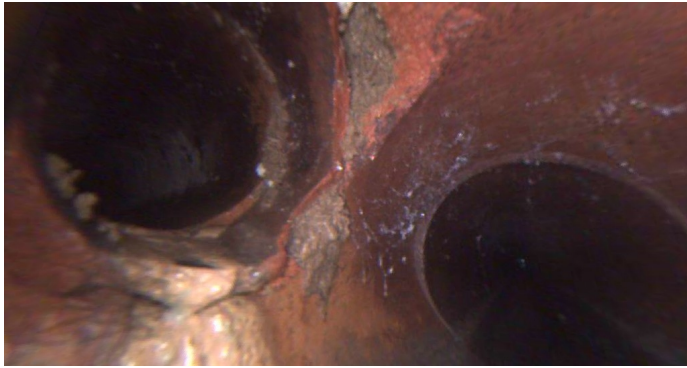
Code: **TF**  
Description: **Tap Factory**

Distance (ft): **12.9**  
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:



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

Distance (ft): **29.7**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **8**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:



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

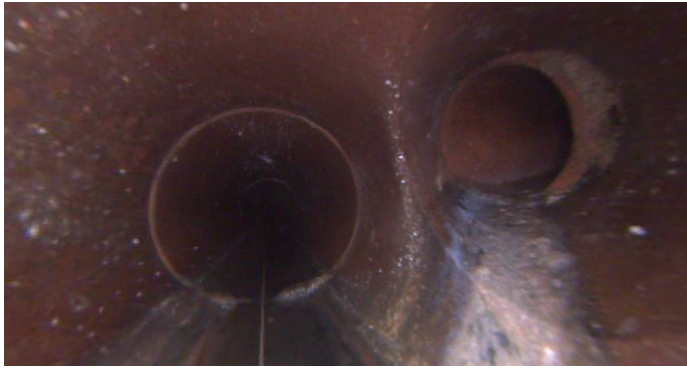
Distance (ft): **80.5**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From: **3**  
Clock To:  
1st Value: **4.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint:  
Remarks: **Photo taken from rear camera.**



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

Distance (ft): **139.0**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **1**  
Clock To:  
1st Value: **4.000**  
2nd Value: **1.000**  
Value Percent:  
Continuous Index:  
Within 8" of Joint:  
Remarks: **Photo taken from rear camera.**





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

Distance (ft): **164.1**  
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: **Photo taken from rear camera.**

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

Distance (ft): **182.2**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **4**  
Clock To: **10**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint:  
Remarks: **Photo taken from rear camera.**

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Code: **SSS**  
Description: **Surface Spalling**



Distance (ft): **221.7**  
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:

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Code: **SSS**  
Description: **Surface Spalling**



Distance (ft): **228.0**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From: **9**  
Clock To: **10**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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



Distance (ft): **228.0**  
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:

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



Distance (ft): **254.8**  
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: **Debris**