

## Profile/Photo Observation Report

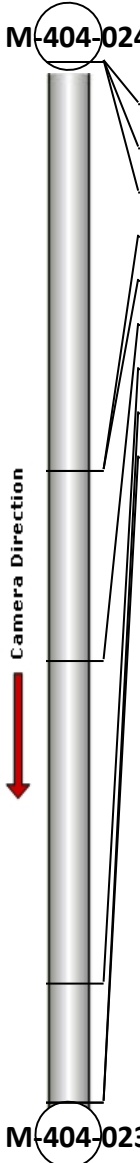


|                   |                   |             |                     |            |                      |
|-------------------|-------------------|-------------|---------------------|------------|----------------------|
| Date:             | <b>04/09/2018</b> | Weather:    |                     | Coding:    | <b>PACP 6.0</b>      |
| Pipe Length (ft): | <b>118.8</b>      | Owner:      | <b>NA</b>           | Pre Clean: | <b>Not Known</b>     |
| P.O.#:            |                   | Surveyor:   | <b>Jen Costello</b> | PSR:       | <b>P-404-023-024</b> |
| Customer:         |                   | Clean Date: | <b>01/01/1900</b>   | Shape:     | <b>C</b>             |

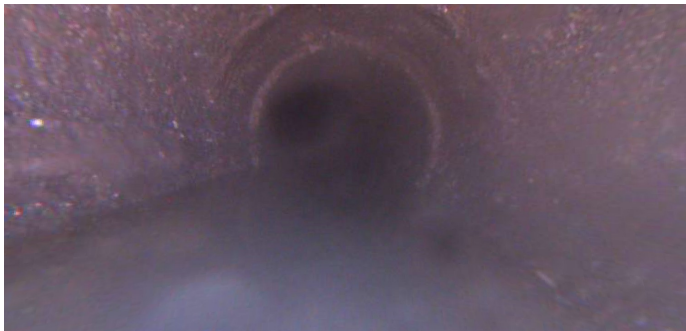
|             |                   |               |                       |
|-------------|-------------------|---------------|-----------------------|
| Street:     | <b>W 40th ave</b> | Flow Control: | <b>Not Controlled</b> |
| City:       | <b>Hobart, IN</b> | Year Renewed: |                       |
| Location:   | <b>Other</b>      | Tape/Media #: |                       |
| Purpose:    | <b>Not Known</b>  | Dia/Height:   | <b>10"</b>            |
| Use:        | <b>Sanitary</b>   | Material:     | <b>CP</b>             |
| Drain Area: | <b>NA</b>         | Lining:       |                       |
| Category:   | <b>NA</b>         |               |                       |
| Comment:    |                   |               |                       |

|                   |                  |                             |                  |
|-------------------|------------------|-----------------------------|------------------|
| Location Details: |                  | Direction of Survey:        | <b>Upstream</b>  |
| US MH:            | <b>M-404-023</b> | DS MH:                      | <b>M-404-024</b> |
|                   |                  | Total Length Surveyed (ft): | <b>19.3</b>      |

|                   |             |                   |             |                    |              |
|-------------------|-------------|-------------------|-------------|--------------------|--------------|
| O&M Index:        | <b>2.67</b> | O&M Quick:        | <b>3221</b> | O&M Rating:        | <b>8.00</b>  |
| Structural Index: | <b>2.80</b> | Structural Quick: | <b>3421</b> | Structural Rating: | <b>14.00</b> |
| Overall Index:    | <b>2.75</b> | Overall Quick:    | <b>3622</b> | Overall Rating:    | <b>22.00</b> |

|  | Position | Code     | Observation                  | Video (sec) | Grade |
|--|----------|----------|------------------------------|-------------|-------|
|  | .0       | AMH      | Manhole                      | 10          | NA    |
|  | .0       | MWL      | Water Level                  | 21          | NA    |
|  | .0       | SAP(S01) | Surface Aggregate Projecting | 32          | S 3   |
|  | 7.6      | FC       | Fracture Circumferential     | 59          | S 2   |
|  | 7.6      | DAR      | Deposits Attached Ragging    | 70          | M 2   |
|  | 11.1     | RMJ      | Roots Medium Joint           | 89          | M 3   |
|  | 17.1     | RMJ      | Roots Medium Joint           | 113         | M 3   |
|  | 19.3     | SAP(F01) | Surface Aggregate Projecting | 129         | S 3   |
|  | 19.3     | MSA      | Abandoned Survey             | 140         | NA    |

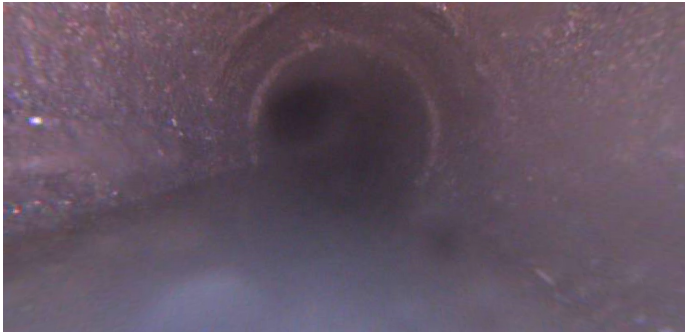
Code: **AMH**  
Description: **Manhole**



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-404-024**

---

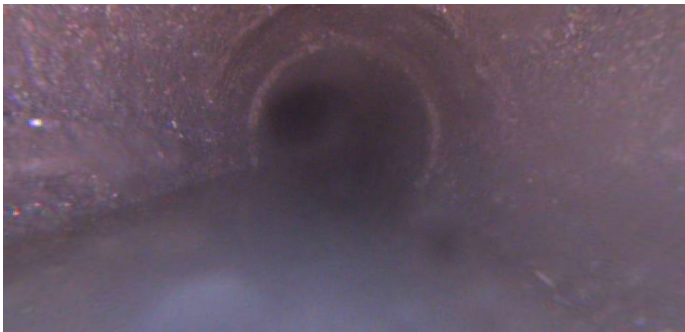
|              |                    |
|--------------|--------------------|
| Code:        | <b>MWL</b>         |
| Description: | <b>Water Level</b> |



|                     |               |
|---------------------|---------------|
| 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>20.000</b> |
| Continuous Index:   |               |
| Within 8" of Joint: | <b>NO</b>     |
| Remarks:            |               |

---

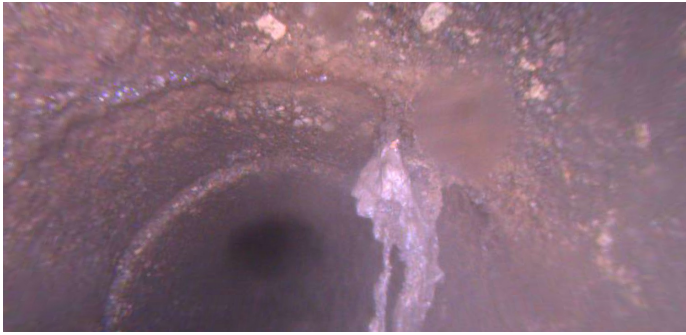
|              |                                     |
|--------------|-------------------------------------|
| Code:        | <b>SAP</b>                          |
| Description: | <b>Surface Aggregate Projecting</b> |



|                     |            |
|---------------------|------------|
| Distance (ft):      | <b>.0</b>  |
| Structural Grade:   | <b>3</b>   |
| O&M Grade:          | <b>0</b>   |
| Clock Start/From:   | <b>8</b>   |
| Clock To:           | <b>4</b>   |
| 1st Value:          |            |
| 2nd Value:          |            |
| Value Percent:      |            |
| Continuous Index:   | <b>S01</b> |
| Within 8" of Joint: |            |
| Remarks:            |            |

---

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



Distance (ft): **7.6**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From: **8**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint:  
Remarks:

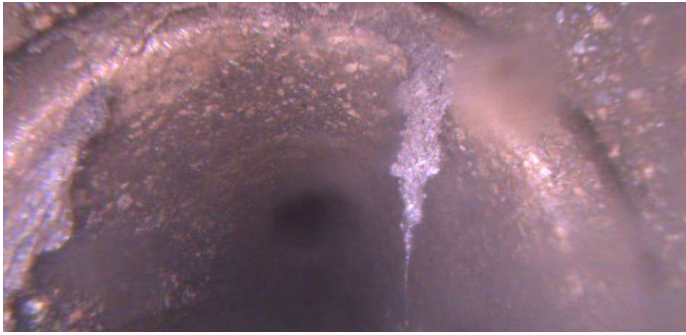
---

Code: **DAR**  
Description: **Deposits Attached Ragging**



Distance (ft): **7.6**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **1**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **10.000**  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

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



Distance (ft): **11.1**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **10**  
Clock To: **1**  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

---

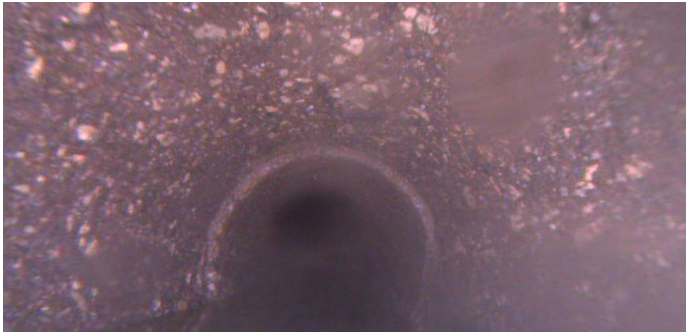
Code: **RMJ**  
Description: **Roots Medium Joint**



Distance (ft): **17.1**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **1**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

---

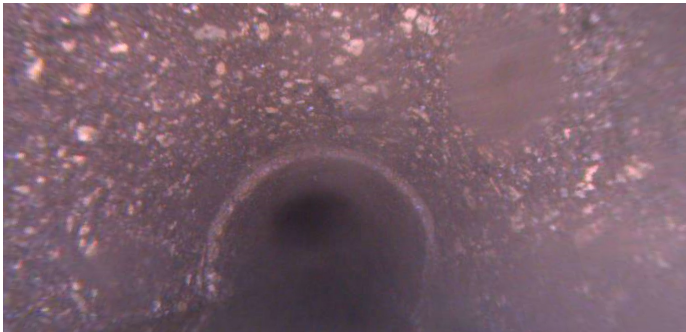
Code: **SAP**  
Description: **Surface Aggregate Projecting**



Distance (ft): **19.3**  
Structural Grade: **3**  
O&M Grade: **0**  
Clock Start/From: **8**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **F01**  
Within 8" of Joint:  
Remarks:

---

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



Distance (ft): **19.3**  
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 under water**