| Profile/Ph | oto Observation | Report | | | RedZor |
|------------------|-------------------|---------------|-------------------|----------------------------|----------------|
| Date: | 09/27/2018 | Weather: | | Coding: | PACP 6.0 |
| Pipe Length (ft | :): 367.5 | Owner: | NA | Pre Clean: | Not Known |
| P.O.#: | | Surveyor: | Justin Gonzales | PSR: | P-103-012-011 |
| Customer: | | Clean Date: | 01/01/1900 | Shape: | С |
| Street: | W 41ST AVE | | Flow Control: | Not Controlled | |
| City: | Hobart, IN | | Year Renewed: | | |
| Location: | Light Highway | | Tape/Media #: | | |
| Purpose: | Routine Assessmen | it | Dia/Height: | 10" | |
| Use: | Sanitary | | Material: | VCP | |
| Drain Area: | NA | | Lining: | | |
| Category: | NA | | | | |
| Comment: | | | | | |
| Location Detai | ls: | | Direction of Surv | ey: Upstream | |
| US MH: | M-103-011 | DS MH: | M-103-012 | Total Length Surveyed (ft) | : 365.4 |
| 0&M Index: | 2.33 | O&M Quick: | 312 | 2 O&M Rating: | 7.00 |
| Structural Index | 2.00 | Structural Qu | ick: 2200 | | 4.00 |
| Overall Index: | 2.20 | Overall Quick | . 3124 | | 11.00 |

| | Position | Code | Observation | Video (sec) | Grade |
|------------------|-----------|-------|--------------------------------|-------------|-------|
| M(10 | 3-012 | | | | |
| | .0 | AMH | Manhole | 10 | NA |
| - 1 | .0 | MWL | Water Level | 21 | NA |
| - 11 | 49.1 | MWLS | Water Level Sag | 131 | S 2 |
| | 51.5 | TF | Tap Factory | 147 | NA |
| - 11 | 79.3 | TF | Tap Factory | 214 | NA |
| | 86.9 | TF | Tap Factory | 242 | NA |
| - 11 | 144.4 | ISSRH | Intruding Sealing Ring Hanging | 369 | M 2 |
| - 11 | /145.8 | TF | Tap Factory | 383 | NA |
| - 11 | // 158.5 | TFC | Tap Factory Capped | 421 | NA |
| s 🗕 | / 197.0 | TF | Tap Factory | 510 | NA |
| ecti | /234.6 | TFC | Tap Factory Capped | 598 | NA |
| Camera Direction | //239.9 | IS | Infil Stain | 621 | NA |
| | ///247.1 | TF | Tap Factory | 648 | NA |
| | // 255.9 | TFD | Tap Factory Defective | 677 | M 2 |
| 11 | /// 257.0 | FC | Fracture Circumferential | 692 | S 2 |
| 18 | // 257.0 | IS | Infil Stain | 703 | NA |
| ↓∎ | 280.5 | TF | Tap Factory | 763 | NA |
| - 11 | 287.2 | TF | Tap Factory | 789 | NA |
| | 351.3 | TF | Tap Factory | 930 | NA |
| | 353.3 | TF | Tap Factory | 947 | NA |
| | // 365.4 | AMH | Manhole | 983 | NA |



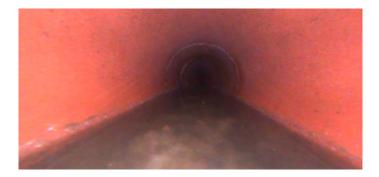
| Code: Description: | AMH Manhole |
|-----------------------|----------------|
| Distance (ft): | .0 |
| Structural Grade: | 0 |
| O&M Grade: | 0 |
| Clock Start/From: | |
| Clock To: | |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | |
| Continuous Index: | |
| Within 8" of Joint: | NO |
| Remarks: | M-103-012 |

M(103)011



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: | 15.000 |
| Continuous Index: | |
| Within 8" of Joint: | NO |
| Remarks: | |
| | |



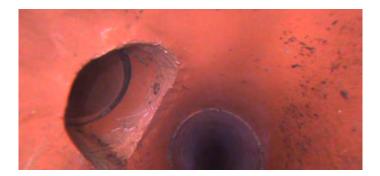
| Code: | MWLS |
|--------------|-----------------|
| Description: | Water Level Sag |
| | |

| Distance (ft): | 49.1 |
|---------------------|--------|
| Structural Grade: | 2 |
| O&M Grade: | 3 |
| Clock Start/From: | |
| Clock To: | |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | 10.000 |
| Continuous Index: | |
| Within 8" of Joint: | NO |
| Remarks: | |

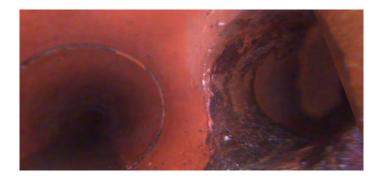


| Code: | TF |
|--------------|-------------|
| Description: | Tap Factory |

| Distance (ft): | 51.5 |
|---------------------|-------|
| 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: Description: | TF Tap Factory |
|-----------------------|-------------------|
| Distance (ft): | 79.3 |
| 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: | TF |
|--------------|-------------|
| Description: | Tap Factory |

| Distance (ft): | 86.9 |
|---------------------|-------|
| 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: | |
| | |



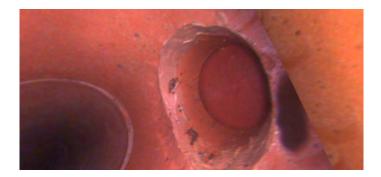
| Code: | ISSRH |
|--------------|--------------------------------|
| Description: | Intruding Sealing Ring Hanging |

| Distance (ft): | 144.4 |
|---------------------|-------|
| Structural Grade: | 0 |
| O&M Grade: | 2 |
| Clock Start/From: | 7 |
| Clock To: | 1 |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | 5.000 |
| Continuous Index: | |
| Within 8" of Joint: | NO |
| Remarks: | |

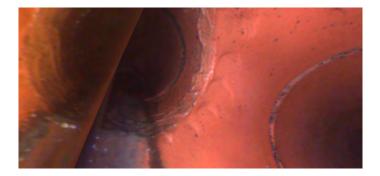


| Code: | TF |
|--------------|-------------|
| Description: | Tap Factory |

| Distance (ft): | 145.8 |
|---------------------|-------|
| Structural Grade: | 0 |
| O&M Grade: | 0 |
| Clock Start/From: | 11 |
| Clock To: | |
| 1st Value: | 4.000 |
| 2nd Value: | |
| Value Percent: | |
| Continuous Index: | |
| Within 8" of Joint: | |
| Remarks: | |

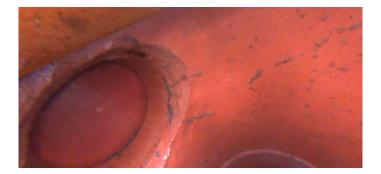


| Code: Description: | TFC Tap Factory Capped |
|-----------------------|---------------------------|
| Distance (ft): | 158.5 |
| Structural Grade: | 0 |
| O&M Grade: | 0 |
| Clock Start/From: | 2 |
| Clock To: | |
| 1st Value: | 4.000 |
| 2nd Value: | |
| Value Percent: | |
| Continuous Index: | |
| Within 8" of Joint: | |
| Remarks: | |



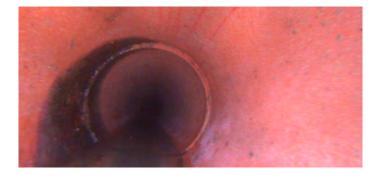
| Code: | TF |
|--------------|-------------|
| Description: | Tap Factory |

| Distance (ft): | 197.0 |
|---------------------|-------|
| 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: | |



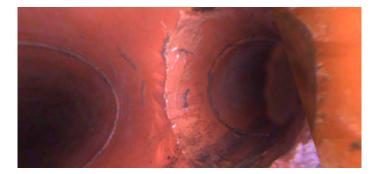
| Code: | TFC |
|-------------------|--------------------|
| Description: | Tap Factory Capped |
| | |
| Distance (ft): | 234.6 |
| Structural Grade: | 0 |

| 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: | |

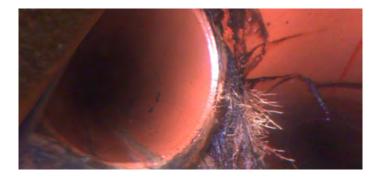


Code:ISDescription:Infil Stain

| Distance (ft): | 239.9 |
|---------------------|-------|
| Structural Grade: | 0 |
| 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: | |



| Distance (ft): 247.1 Structural Grade: 0 O&M Grade: 0 Clock Start/From: 3 Clock To: 1st Value: 4.000 |
|---|
| O&M Grade: 0 Clock Start/From: 3 Clock To: |
| Clock Start/From: 3 Clock To: |
| Clock To: |
| |
| 1st Value: / 000 |
| |
| 2nd Value: |
| Value Percent: |
| Continuous Index: |
| Within 8" of Joint: |
| Remarks: |



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

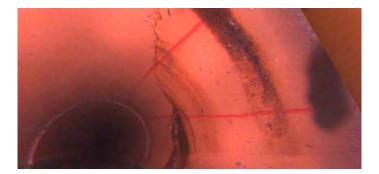
Distance (ft): 255.9 Structural Grade: 0 O&M Grade: 2 Clock Start/From: 10 Clock To: 1st Value: 4.000 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: Remarks:

Code:

Description:

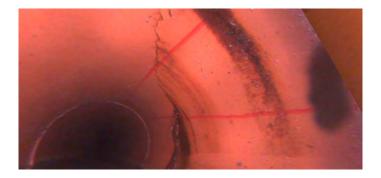
RF OUTSIDE RIM OF TAP

Fracture Circumferential



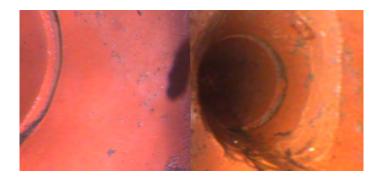
| Distance (ft): | 257.0 |
|---------------------|-------|
| Structural Grade: | 2 |
| O&M Grade: | 0 |
| Clock Start/From: | 1 |
| Clock To: | 5 |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | |
| Continuous Index: | |
| Within 8" of Joint: | |
| Remarks: | |

FC



| Code: | IS |
|--------------|-------------|
| Description: | Infil Stain |

| Distance (ft): | 257.0 |
|---------------------|-------|
| Structural Grade: | 0 |
| O&M Grade: | 0 |
| Clock Start/From: | 1 |
| Clock To: | 5 |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | |
| Continuous Index: | |
| Within 8" of Joint: | |
| Remarks: | |
| | |

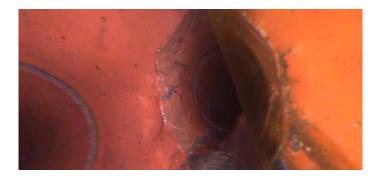


| Code: | TF |
|---------------------|-------------|
| Description: | Tap Factory |
| | |
| Distance (ft): | 280.5 |
| Structural Grade: | 0 |
| O&M Grade: | 0 |
| Clock Start/From: | 2 |
| Clock To: | |
| 1st Value: | 4.000 |
| 2nd Value: | |
| Value Percent: | |
| Continuous Index: | |
| Within 8" of Joint: | |
| Remarks: | |
| | |

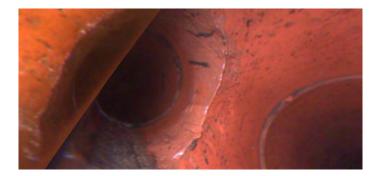


| Code: | TF |
|--------------|-------------|
| Description: | Tap Factory |

| Distance (ft): | 287.2 |
|---------------------|-------|
| 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: | |



| Code: Description: | TF Tap Factory |
|-----------------------|-------------------|
| Distance (ft): | 351.3 |
| 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: | TF |
|--------------|-------------|
| Description: | Tap Factory |

| Distance (ft): | 353.3 |
|---------------------|-------|
| 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: | AMH |
|--------------|---------|
| Description: | Manhole |

| Distance (ft): | 365.4 |
|---------------------|-----------|
| 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: | M-103-011 |