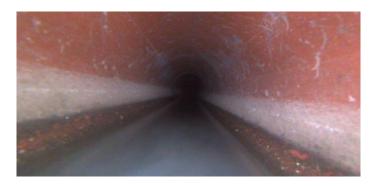
| Profile/Ph | oto Observatior | n Report | | | RedZon R 0 B 0 T I C S |
|--------------------------------------------------|-----------------------------------------------|------------------------------------------------|-------------------------------------------|-----------------------------|---------------------------------------------------|
| Date: Pipe Length (ft) P.O.#: Customer: | 03/24/2018 :: 235.3 | Weather: Owner: Surveyor: Clean Date: | NA Byrd Fitzgerald 01/01/1900 | Pre Clean: PSR: | PACP 6.0 No Pre-Cleaning P-108-031-029 C |
| Street: City: | FOXCROFT STREET Hobart, IN | | Flow Control: Year Renewed: | Not Controlled | |
| Location: Purpose: Use: | Light Highway Routine Assessme Sanitary | ent | Tape/Media #: Dia/Height: Material: | 10" VCP | |
| Drain Area: Category: | NA NA | | Lining: | VCP | |
| Comment: Location Details | R_M at 99 ft debri | is .Flow direction w | rong Direction of Survey: | Downstream | |
| US MH: | M-108-029 | DS MH: N | 1-108-031 | Total Length Surveyed (ft): | 100.5 |
| D&M Index: | 1.67 | O&M Quick: | 361A | O&M Rating: | 30.00 |
| Structural Index: | 0.00 | Structural Quic | k: 0000 | Structural Rating: | 0.00 |
| Overall Index: | 1.67 | Overall Quick: | 361A | Overall Rating: | 30.00 |

| | Position | Code | Observation | Video (sec) | Grade |
|------------------|----------|----------|----------------------|-------------|-------|
| M(108-0 | 29 | | | | |
| \sim | .0 | AMH | Manhole | 10 | NA |
| | .0 | MWL | Water Level | 21 | NA |
| | 9.2 | RFJ | Roots Fine Joint | 51 | M 1 |
| | 24.1 | RFJ | Roots Fine Joint | 93 | M 1 |
| | /25.7 | TF | Tap Factory | 109 | NA |
| | / 25.7 | RFL | Roots Fine Lateral | 120 | M 1 |
| +++ | 25.7 | RML | Roots Medium Lateral | 132 | M 3 |
| | 56.2 | RFJ(SO1) | Roots Fine Joint | 205 | M 1 |
| | 71.8 | RMJ | Roots Medium Joint | 247 | M 3 |
| 5 | 82.0 | RMJ(S02) | Roots Medium Joint | 279 | M 3 |
| Camera Direction | 89.3 | TF | Tap Factory | 305 | NA |
| ā l | 91.7 | TF | Tap Factory | 322 | NA |
| Jera | 95.0 | MWL | Water Level | 340 | NA |
| | 100.5 | MSA | Abandoned Survey | 363 | NA |
| | 100.5 | RFJ(F01) | Roots Fine Joint | 374 | M 1 |
| | 100.5 | RMJ(F02) | Roots Medium Joint | 385 | M 3 |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |



| 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-108-029 |

M(108-031



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: | |

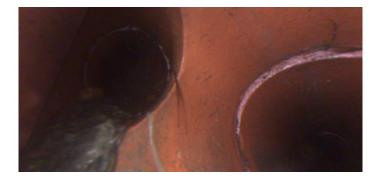


| Code: | RFJ |
|---------------------|-------------------------|
| Description: | Roots Fine Joint |
| | |
| | |
| Distance (ft): | 9.2 |
| Structural Grade: | 0 |
| O&M Grade: | 1 |
| Clock Start/From: | 7 |
| Clock To: | 9 |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | |
| Continuous Index: | |
| Within 8" of Joint: | YES |
| Remarks: | |

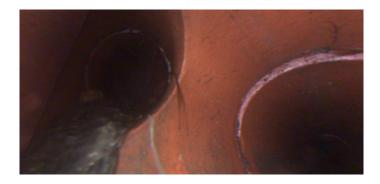


Code:**RFJ**Description:**Roots Fine Joint**

| Distance (ft): | 24.1 |
|---------------------|------|
| Structural Grade: | 0 |
| O&M Grade: | 1 |
| Clock Start/From: | 11 |
| Clock To: | 12 |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | |
| Continuous Index: | |
| Within 8" of Joint: | YES |
| Remarks: | |



| Code: Description: | TF Tap Factory |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| Distance (ft): Structural Grade: O&M Grade: Clock Start/From: Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index: | 25.7 0 0 10 4.000 |
| Within 8" of Joint: Remarks: | YES |



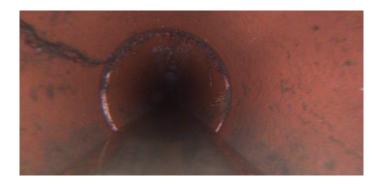
Code:RFLDescription:Roots Fine Lateral

| Distance (ft): | 25.7 |
|---------------------|------|
| Structural Grade: | 0 |
| O&M Grade: | 1 |
| Clock Start/From: | 3 |
| Clock To: | |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | |
| Continuous Index: | |
| Within 8" of Joint: | NO |
| Remarks: | |



| Code: | RML |
|--------------|-----------------------------|
| Description: | Roots Medium Lateral |

| Distance (ft): | 25.7 |
|---------------------|-------|
| Structural Grade: | 0 |
| O&M Grade: | 3 |
| Clock Start/From: | 8 |
| Clock To: | |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | 5.000 |
| Continuous Index: | |
| Within 8" of Joint: | NO |
| Remarks: | |



Code:RFJDescription:Roots Fine Joint

| Distance (ft): | 56.2 |
|---------------------|-----------|
| Structural Grade: | 0 |
| O&M Grade: | 1 |
| Clock Start/From: | 9 |
| Clock To: | 3 |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | |
| Continuous Index: | S01 |
| Within 8" of Joint: | YES |
| Remarks: | wandering |

Code:

Description:



| Distance (ft): | 71.8 |
|---------------------|--------|
| Structural Grade: | 0 |
| O&M Grade: | 3 |
| Clock Start/From: | 9 |
| Clock To: | 5 |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | 10.000 |
| Continuous Index: | |
| Within 8" of Joint: | YES |
| Remarks: | |
| | |

RMJ

Roots Medium Joint



Code:RMJDescription:Roots Medium Joint

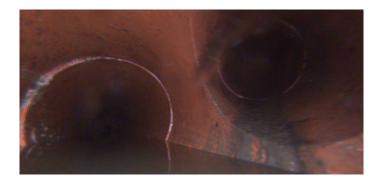
| Distance (ft): | 82.0 |
|---------------------|-----------|
| Structural Grade: | 0 |
| O&M Grade: | 3 |
| Clock Start/From: | 7 |
| Clock To: | 1 |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | 10.000 |
| Continuous Index: | S02 |
| Within 8" of Joint: | YES |
| Remarks: | wandering |
| | |

Code:



| Description: | Tap Factory |
|------------------------------------------------------------------------|----------------------|
| Distance (ft): Structural Grade: O&M Grade: Clock Start/From: | 89.3 0 0 10 |
| Clock To: 1st Value: 2nd Value: | 4.000 |
| Value Percent: Continuous Index: Within 8" of Joint: Remarks: | YES |

TF



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

| Distance (ft): | 91.7 |
|---------------------|-------|
| 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: | YES |
| Remarks: | |



| Code: | MWL |
|---------------------|-------------|
| Description: | Water Level |
| | |
| Distance (ft): | 95.0 |
| Structural Grade: | 0 |
| O&M Grade: | 0 |
| Clock Start/From: | |
| Clock To: | |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | 25.000 |
| Continuous Index: | |
| Within 8" of Joint: | NO |

Remarks:



Code: MSA Description: Abandoned Survey

Distance (ft): 100.5 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: camera flipped

Code:

Description:



| Distance (ft): | 100.5 |
|---------------------|-----------|
| Structural Grade: | 0 |
| O&M Grade: | 1 |
| Clock Start/From: | 9 |
| Clock To: | 3 |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | |
| Continuous Index: | F01 |
| Within 8" of Joint: | YES |
| Remarks: | wandering |
| | |

RFJ

Roots Fine Joint



Code: Description: RMJ Roots Medium Joint

| Distance (ft): | 100.5 |
|---------------------|-----------|
| Structural Grade: | 0 |
| O&M Grade: | 3 |
| Clock Start/From: | 7 |
| Clock To: | 1 |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | 10.000 |
| Continuous Index: | F02 |
| Within 8" of Joint: | YES |
| Remarks: | wandering |
| | |