| Profile/Ph       | oto Observatio   | n Report      |                   |         |                           | RedZor        |
|------------------|------------------|---------------|-------------------|---------|---------------------------|---------------|
| Date:            | 04/17/2018       | Weather:      |                   |         | Coding:                   | PACP 6.0      |
| Pipe Length (ft  | z): <b>211.6</b> | Owner:        | NA                |         | Pre Clean:                | Not Known     |
| P.O.#:           |                  | Surveyor:     | Byrd Fitzg        | erald   | PSR:                      | P-504-120-119 |
| Customer:        |                  | Clean Date    | : <b>01/01/19</b> | 00      | Shape:                    | с             |
| Street:          | ALLEY BETWEEN I  | N COLORADO ST | & Flow Contro     | ol:     | Not Controlled            |               |
| City:            | Hobart, IN       |               | Year Renew        | ved:    |                           |               |
| Location:        | Light Highway    |               | Tape/Media        | a #:    |                           |               |
| Purpose:         | Not Known        |               | Dia/Height:       |         | 12"                       |               |
| Use:             | Sanitary         |               | Material:         |         | VCP                       |               |
| Drain Area:      | NA               |               | Lining:           |         |                           |               |
| Category:        | NA               |               |                   |         |                           |               |
| Comment:         |                  |               |                   |         |                           |               |
| Location Detai   | ls:              |               | Direction of      | Survey: | Upstream                  |               |
| US MH:           | M-504-119        | DS MH:        | M-504-120         | То      | tal Length Surveyed (ft): | 56.1          |
| D&M Index:       | 2.00             | O&M Quick     | :                 | 2A00    | O&M Rating:               | 24.00         |
| Structural Index | 3.00             | Structural C  |                   | 3A00    | Structural Rating:        | 33.00         |
| Overall Index:   | 2.48             | Overall Qui   | ck:               | 3A2A    | Overall Rating:           | 57.00         |

|                  | Position | Code     | Observation            | Video (sec) | Grade |
|------------------|----------|----------|------------------------|-------------|-------|
| M(504            | -120     |          |                        |             |       |
|                  | .0       | AMH      | Manhole                | 10          | NA    |
|                  |          | MWL      | Water Level            | 21          | NA    |
|                  | .0       | DSZ(S01) | Deposits Settled Other | 32          | M 2   |
|                  | 2.5      | CM(S02)  | Crack Multiple         | 49          | S 3   |
|                  | 19.9     | ТВ       | Tap Break-in           | 96          | NA    |
|                  | 48.9     | TFC      | Tap Factory Capped     | 167         | NA    |
|                  | 51.3     | TFC      | Tap Factory Capped     | 184         | NA    |
|                  | 54.3     | TBI      | Tap Break-in Intruding | 203         | M 2   |
|                  | 56.1     | MSA      | Abandoned Survey       | 217         | NA    |
| 5                | 56.1     | CM(F02)  | Crack Multiple         | 228         | S 3   |
| ŧ,               | 56.1     | DSZ(F01) | Deposits Settled Other | 240         | M 2   |
| Camera Direction |          |          |                        |             |       |
|                  |          |          |                        |             |       |



| Code:<br>Description: | AMH<br>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-504-119      |



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:        | DSZ                    |
|--------------|------------------------|
| Description: | Deposits Settled Other |

| Distance (ft):      | .0               |
|---------------------|------------------|
| Structural Grade:   | 0                |
| O&M Grade:          | 2                |
| Clock Start/From:   | 6                |
| Clock To:           |                  |
| 1st Value:          |                  |
| 2nd Value:          |                  |
| Value Percent:      | 5.000            |
| Continuous Index:   | S01              |
| Within 8" of Joint: | NO               |
| Remarks:            | debris/sediments |



| Code:        | СМ             |
|--------------|----------------|
| Description: | Crack Multiple |

| Distance (ft):      | 2.5       |
|---------------------|-----------|
| Structural Grade:   | 3         |
| O&M Grade:          | 0         |
| Clock Start/From:   | 7         |
| Clock To:           | 12        |
| 1st Value:          |           |
| 2nd Value:          |           |
| Value Percent:      |           |
| Continuous Index:   | S02       |
| Within 8" of Joint: | YES       |
| Remarks:            | wandering |



| Code:               | тв           |
|---------------------|--------------|
| Description:        | Tap Break-in |
|                     |              |
| Distance (ft):      | 19.9         |
| 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:TFCDescription:Tap Factory Capped

| Distance (ft):      | 48.9  |
|---------------------|-------|
| 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: | YES   |
| Remarks:            |       |

Remarks:



| Code:               | TFC                |
|---------------------|--------------------|
| Description:        | Tap Factory Capped |
|                     |                    |
|                     | <b>F4 A</b>        |
| Distance (ft):      | 51.3               |
| 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: | YES                |



Code:TBIDescription:Tap Break-in Intruding

| Distance (ft):      | 54.3  |
|---------------------|-------|
| Structural Grade:   | 0     |
| O&M Grade:          | 2     |
| Clock Start/From:   | 3     |
| Clock To:           |       |
| 1st Value:          | 4.000 |
| 2nd Value:          | 3.000 |
| Value Percent:      |       |
| Continuous Index:   |       |
| Within 8" of Joint: |       |
| Remarks:            |       |
|                     |       |

| 7.4   |   |  |
|-------|---|--|
| and a | 1 |  |
|       |   |  |

| Code:<br>Description: | MSA<br>Abandoned Survey |
|-----------------------|-------------------------|
| Distance (ft):        | 56.1                    |
| 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:              | tbi                     |



Code:CMDescription:Crack Multiple

| Distance (ft):      | 56.1      |
|---------------------|-----------|
| Structural Grade:   | 3         |
| O&M Grade:          | 0         |
| Clock Start/From:   | 7         |
| Clock To:           | 12        |
| 1st Value:          |           |
| 2nd Value:          |           |
| Value Percent:      |           |
| Continuous Index:   | F02       |
| Within 8" of Joint: | YES       |
| Remarks:            | wandering |

Code: Description: DSZ Deposits Settled Other



| Distance (ft):      | 56.1             |
|---------------------|------------------|
| Structural Grade:   | 0                |
| O&M Grade:          | 2                |
| Clock Start/From:   | 6                |
| Clock To:           |                  |
| 1st Value:          |                  |
| 2nd Value:          |                  |
| Value Percent:      | 5.000            |
| Continuous Index:   | F01              |
| Within 8" of Joint: | NO               |
| Remarks:            | debris/sediments |