| Profile/Ph | oto Observatio | n Report | | | RedZone |
|-------------------|-------------------|--------------------|-------------------|-----------------------|--------------------|
| Date: | 04/21/2018 | Weather: | | Coding: | PACP 6.0 |
| Pipe Length (ft |): 278.0 | Owner: | NA | Pre Clean: | No Pre-Cleaning |
| P.O.#: | | Surveyor: | Mark Ruby | PSR: | P-505-041-042 |
| Customer: | | Clean Date: | 01/01/1900 | Shape: | C |
| Street: | FOXCROFT STREE | т | Flow Control: | Not Contro | lled |
| City: | Hobart, IN | | Year Renewed: | | |
| Location: | Light Highway | | Tape/Media #: | | |
| Purpose: | Routine Assessme | ent | Dia/Height: | 12" | |
| Use: | Sanitary | | Material: | PVC | |
| Drain Area: | NA | | Lining: | | |
| Category: | NA | | | | |
| Comment: | P_C at O_C at 273 | ft . Flow directio | on wrong | | |
| Location Detail | ls: | | Direction of Surv | vey: Downstrea | m |
| US MH: | M-505-042 | DS MH: | M-505-041 | Total Length Surveyed | (ft): 274.3 |
| D&M Index: | 2.00 | O&M Quick: | 220 | 00 O&M Rating: | 4.00 |
| Structural Index: | 0.00 | Structural Q | uick: 000 | 00 Structural Rati | ng: 0.00 |
| Overall Index: | 2.00 | Overall Quic | :k: 220 | 00 Overall Rating | 4.00 |

| N 505-042 .0 AMH Manhole 10 NA .0 MWL Water Level 21 NA 2.2 TF Tap Factory 37 NA 4.2 TF Tap Factory 53 NA 46.2 TF Tap Factory 149 NA 53.2 TF Tap Factory 174 NA 89.8 TF Tap Factory 259 NA 98.9 TF Tap Factory 288 NA 148.7 TF Tap Factory 399 NA 155.3 TF Tap Factory 262 NA 187.8 TF Tap Factory 500 NA 212.9 TF Tap Factory 627 NA 247.3 DSZ Deposits Settled Other 654 M.2 265.7 TF Tap Factory 702 NA 268.9 DSZ(S01) Deposits Settled Other 720 M.2 | | Position | Code | Observation | Video (sec) | Grade |
|---|----------------|----------|----------|------------------------|-------------|-------|
| Image: Note of the image is a second secon | M-505-042 | , | | | | |
| Image: Note of the image of the im | | | AMH | Manhole | 10 | NA |
| 4.2 TF Tap Factory 53 NA 46.2 TF Tap Factory 149 NA 53.2 TF Tap Factory 174 NA 89.8 TF Tap Factory 259 NA 98.9 TF Tap Factory 288 NA 148.7 TF Tap Factory 399 NA 155.3 TF Tap Factory 500 NA 187.8 TF Tap Factory 562 NA 212.9 TF Tap Factory 562 NA 239.5 TF Tap Factory 627 NA 247.3 DSZ Deposits Settled Other 654 M2 265.7 TF Tap Factory 702 NA 268.9 DSZ(S01) Deposits Settled Other 720 M2 269.9 MMC Material Change 734 NA 273.2 DSZ(F01) Deposits Settled Other 753 M2 | | .0 | MWL | Water Level | 21 | NA |
| 46.2 TF Tap Factory 149 NA 53.2 TF Tap Factory 174 NA 89.8 TF Tap Factory 259 NA 98.9 TF Tap Factory 288 NA 148.7 TF Tap Factory 288 NA 148.7 TF Tap Factory 399 NA 155.3 TF Tap Factory 424 NA 187.8 TF Tap Factory 500 NA 212.9 TF Tap Factory 562 NA 239.5 TF Tap Factory 627 NA 247.3 DSZ Deposits Settled Other 654 M2 265.7 TF Tap Factory 702 NA 268.9 DSZ(S01) Deposits Settled Other 720 M2 269.9 MMC Material Change 734 NA 273.2 DSZ(F01) Deposits Settled Other 753 M2 <td></td> <td>2.2</td> <td>TF</td> <td>Tap Factory</td> <td>37</td> <td>NA</td> | | 2.2 | TF | Tap Factory | 37 | NA |
| 53.2 TF Tap Factory 174 NA 89.8 TF Tap Factory 259 NA 98.9 TF Tap Factory 288 NA 148.7 TF Tap Factory 399 NA 155.3 TF Tap Factory 424 NA 187.8 TF Tap Factory 500 NA 212.9 TF Tap Factory 500 NA 239.5 TF Tap Factory 627 NA 247.3 DSZ Deposits Settled Other 654 M 2 265.7 TF Tap Factory 702 NA 269.9 MMC Material Change 734 NA 273.2 DSZ(F01) Deposits Settled Other 753 M 2 | | 4.2 | TF | Tap Factory | 53 | NA |
| 89.8 TF Tap Factory 259 NA 98.9 TF Tap Factory 288 NA 148.7 TF Tap Factory 399 NA 155.3 TF Tap Factory 424 NA 187.8 TF Tap Factory 500 NA 212.9 TF Tap Factory 562 NA 239.5 TF Tap Factory 627 NA 247.3 DSZ Deposits Settled Other 654 M 2 265.7 TF Tap Factory 702 NA 268.9 DSZ(S01) Deposits Settled Other 720 M 2 269.9 MMC Material Change 734 NA 273.2 DSZ(F01) Deposits Settled Other 753 M 2 | | 46.2 | TF | Tap Factory | 149 | NA |
| 98.9 TF Tap Factory 288 NA 148.7 TF Tap Factory 399 NA 155.3 TF Tap Factory 424 NA 187.8 TF Tap Factory 500 NA 212.9 TF Tap Factory 562 NA 239.5 TF Tap Factory 627 NA 247.3 DSZ Deposits Settled Other 654 M 2 265.7 TF Tap Factory 702 NA 268.9 DSZ(S01) Deposits Settled Other 720 M 2 269.9 MMC Material Change 734 NA 273.2 DSZ(F01) Deposits Settled Other 753 M 2 | | 53.2 | TF | Tap Factory | 174 | NA |
| 148.7 TF Tap Factory 399 NA 155.3 TF Tap Factory 424 NA 187.8 TF Tap Factory 500 NA 212.9 TF Tap Factory 562 NA 239.5 TF Tap Factory 627 NA 247.3 DSZ Deposits Settled Other 654 M 2 265.7 TF Tap Factory 702 NA 268.9 DSZ(S01) Deposits Settled Other 720 M 2 269.9 MMC Material Change 734 NA 273.2 DSZ(F01) Deposits Settled Other 753 M 2 | | 89.8 | TF | Tap Factory | 259 | NA |
| 155.3 TF Tap Factory 424 NA 187.8 TF Tap Factory 500 NA 212.9 TF Tap Factory 562 NA 239.5 TF Tap Factory 627 NA 247.3 DSZ Deposits Settled Other 654 M 2 265.7 TF Tap Factory 702 NA 268.9 DSZ(S01) Deposits Settled Other 720 M 2 269.9 MMC Material Change 734 NA 273.2 DSZ(F01) Deposits Settled Other 753 M 2 | | 98.9 | TF | Tap Factory | 288 | NA |
| 187.8TFTap Factory500NA212.9TFTap Factory562NA239.5TFTap Factory627NA247.3DSZDeposits Settled Other654M 2265.7TFTap Factory702NA268.9DSZ(S01)Deposits Settled Other720M 2269.9MMCMaterial Change734NA273.2DSZ(F01)Deposits Settled Other753M 2 | | 148.7 | TF | Tap Factory | 399 | NA |
| 265.7TFTap Factory702NA268.9DSZ(S01)Deposits Settled Other720M 2269.9MMCMaterial Change734NA273.2DSZ(F01)Deposits Settled Other753M 2 | 5 J | 155.3 | TF | Tap Factory | 424 | NA |
| 265.7TFTap Factory702NA268.9DSZ(S01)Deposits Settled Other720M 2269.9MMCMaterial Change734NA273.2DSZ(F01)Deposits Settled Other753M 2 | - it ett | 187.8 | TF | Tap Factory | 500 | NA |
| 265.7TFTap Factory702NA268.9DSZ(S01)Deposits Settled Other720M 2269.9MMCMaterial Change734NA273.2DSZ(F01)Deposits Settled Other753M 2 | | 212.9 | TF | Tap Factory | 562 | NA |
| 265.7TFTap Factory702NA268.9DSZ(S01)Deposits Settled Other720M 2269.9MMCMaterial Change734NA273.2DSZ(F01)Deposits Settled Other753M 2 | | 239.5 | TF | Tap Factory | 627 | NA |
| 268.9DSZ(S01)Deposits Settled Other720M 2269.9MMCMaterial Change734NA273.2DSZ(F01)Deposits Settled Other753M 2 | _s <u> </u> | 247.3 | DSZ | Deposits Settled Other | 654 | M 2 |
| 269.9MMCMaterial Change734NA273.2DSZ(F01)Deposits Settled Other753M 2 | | 265.7 | TF | Tap Factory | 702 | NA |
| 273.2 DSZ(F01) Deposits Settled Other 753 M 2 | | 268.9 | DSZ(S01) | Deposits Settled Other | 720 | M 2 |
| | ↓ + + + / ///□ | 269.9 | MMC | Material Change | 734 | NA |
| | | 273.2 | DSZ(F01) | Deposits Settled Other | 753 | M 2 |
| 274.3 AMH Manhole 766 NA | | 274.3 | AMH | Manhole | 766 | 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-505-042 |



Code: MWL Description: Water Level

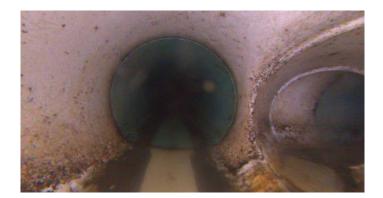
| Distance (ft): | .0 |
|---------------------|-------|
| Structural Grade: | 0 |
| O&M Grade: | 0 |
| Clock Start/From: | |
| Clock To: | |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | 5.000 |
| Continuous Index: | |
| Within 8" of Joint: | NO |
| Remarks: | |
| | |



| Code: Description: | TF Tap Factory |
|-----------------------|-------------------|
| Distance (ft): | 2.2 |
| 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: | |



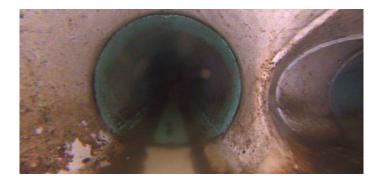
| Code: Description: | TF Tap Factory |
|-----------------------|-------------------|
| Distance (ft): | 4.2 |
| Structural Grade: | 0 |
| O&M Grade: | 0 |
| Clock Start/From: | 4 |
| Clock To: | |
| 1st Value: | 4.000 |
| 2nd Value: | |
| Value Percent: | |
| Continuous Index: | |
| Within 8" of Joint: | |
| Remarks: | |
| | |



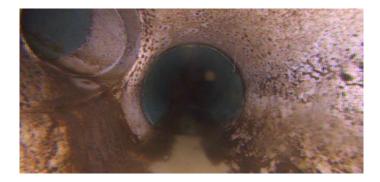
| Code: | TF |
|--|-------------|
| Description: | Tap Factory |
| Distance (ft): | 46.2 |
| Structural Grade: | 0 |
| O&M Grade: | 0 |
| Clock Start/From: | 4 |
| Clock To: 1st Value: | 4.000 |
| 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: Remarks: | |



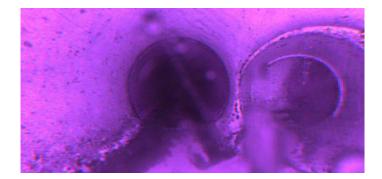
| Description: Tap Fac | tory |
|----------------------------|------|
| | |
| Distance (ft): 53.2 | |
| Structural Grade: 0 | |
| O&M Grade: 0 | |
| Clock Start/From: 10 | |
| Clock To: | |
| 1st Value: 4.000 | |
| 2nd Value: | |
| Value Percent: | |
| Continuous Index: | |
| Within 8" of Joint: | |
| Remarks: | |



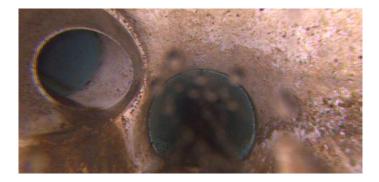
| Code: Description: | TF Tap Factory |
|-----------------------|-------------------|
| Distance (ft): | 89.8 |
| Structural Grade: | 0 |
| O&M Grade: | 0 |
| Clock Start/From: | 3 |
| Clock To: | |
| 1st Value: | 4.000 |
| 2nd Value: | |
| Value Percent: | |
| Continuous Index: | |
| Within 8" of Joint: | YES |
| Remarks: | |
| | |



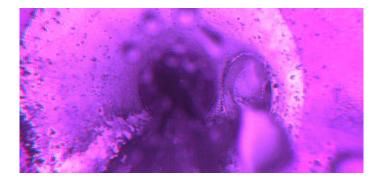
| Code: | TF |
|---------------------|-------------|
| Description: | Tap Factory |
| | |
| | |
| Distance (ft): | 98.9 |
| Structural Grade: | 0 |
| O&M Grade: | 0 |
| Clock Start/From: | 10 |
| Clock To: | |
| 1st Value: | 4.000 |
| 2nd Value: | |
| Value Percent: | |
| Continuous Index: | |
| Within 8" of Joint: | YES |
| Remarks: | |



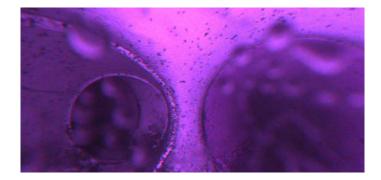
| Code: Description: | TF Tap Factory |
|---|--------------------------------------|
| Distance (ft): Structural Grade: O&M Grade: Clock Start/From: Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: Remarks: | 148.7 0 0 3 4.000 YES |
| | |



| Code: | TF |
|---------------------|-------------|
| Description: | Tap Factory |
| | |
| Distance (ft): | 155.3 |
| 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: | 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: Within 8" of Joint: | 187.8 0 0 3 4.000 |
| Remarks: | 11.3 |



| Code: Description: | TF Tap Factory |
|-----------------------|-------------------|
| Description | i ap i actory |
| Distance (ft): | 212.9 |
| 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: | YES |
| Remarks: | |

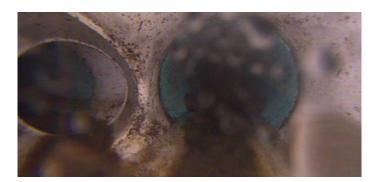


| Code: | TF |
|---------------------|-------------|
| Description: | Tap Factory |
| | |
| Distance (ft): | 239.5 |
| Structural Grade: | 0 |
| O&M Grade: | 0 |
| Clock Start/From: | 3 |
| Clock To: | |
| 1st Value: | 4.000 |
| 2nd Value: | |
| Value Percent: | |
| Continuous Index: | |
| Within 8" of Joint: | YES |
| Remarks: | |
| | |



Code:DSZDescription:Deposits Settled Other

| Distance (ft): | 247.3 |
|---------------------|--------|
| Structural Grade: | 0 |
| O&M Grade: | 2 |
| Clock Start/From: | 6 |
| Clock To: | |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | 5.000 |
| Continuous Index: | |
| Within 8" of Joint: | NO |
| Remarks: | tissue |

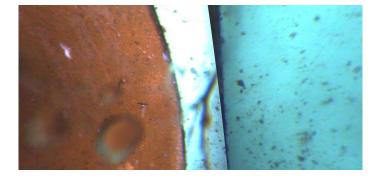


| Code: Description: | TF Tap Factory |
|-----------------------|-------------------|
| Distance (ft): | 265.7 |
| Structural Grade: | 0 |
| O&M Grade: | 0 |
| Clock Start/From: | 9 |
| Clock To: | |
| 1st Value: | 4.000 |
| 2nd Value: | |
| Value Percent: | |
| Continuous Index: | |
| Within 8" of Joint: | YES |
| Remarks: | |
| | |



Code:DSZDescription:Deposits Settled Other

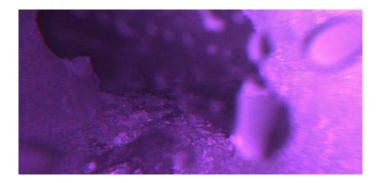
| Distance (ft): | 268.9 |
|---------------------|-------|
| Structural Grade: | 0 |
| O&M Grade: | 2 |
| Clock Start/From: | 6 |
| Clock To: | |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | 5.000 |
| Continuous Index: | S01 |
| Within 8" of Joint: | NO |
| Remarks: | mud |



| Code: | |
|--------------|--|
| Description: | |

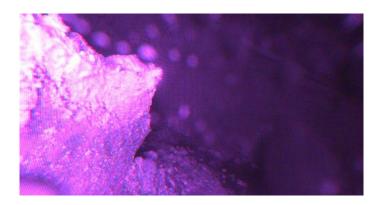
MMC Material Change

| Distance (ft): | 269.9 |
|---------------------|-------|
| 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: | vср |



Code:DSZDescription:Deposits Settled Other

| Distance (ft): | 273.2 |
|---------------------|-------|
| 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: | mud |



| Code: | AMH |
|--------------|---------|
| Description: | Manhole |
| | |

| Distance (ft): | 274.3 |
|---------------------|-----------|
| 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: | M-505-041 |