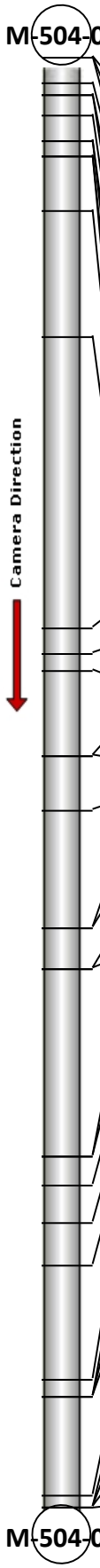
# Profile/Photo Observation Report

| | | | | | |
|---|---|---|---|---|---|
| Date: | **09/21/2021** | Weather: | | Coding: | **PACP 7.0** |
| Pipe Length (ft): | **331.0** | Owner: | **City of Hobart** | Pre Clean: | **Heavy Cleaning** |
| P.O.#: | **YES502259** | Surveyor: | **S. Bucklin** | PSR: | **P-504-056-028** |
| Customer: | **City of Hobart** | Clean Date: | **09/08/2021** | Shape: | **C** |

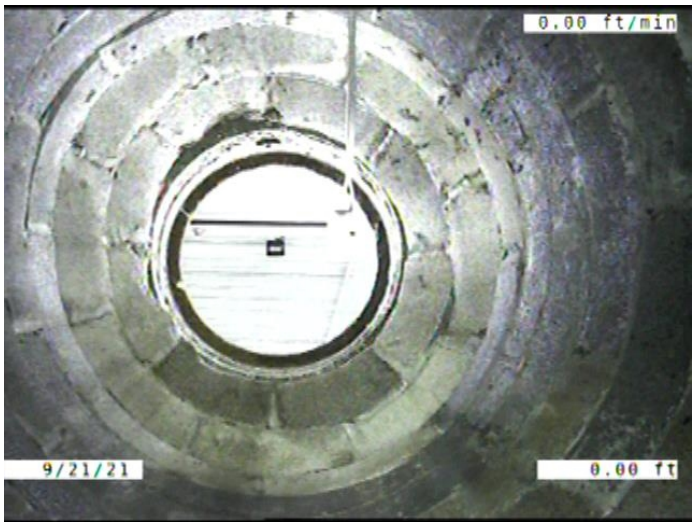
| | | | |
|---|---|---|---|
| Street: | **North Wilson Street** | Flow Control: | **Not Controlled** |
| City: | **Hobart, IN** | Year Renewed: | |
| Location: | **Alley** | Tape/Media #: | |
| Purpose: | **Routine Assessment** | Dia/Height: | **12"** |
| Use: | **Sanitary Sewage Pipe** | Material: | **VCP** |
| Drain Area: | | Lining: | **None** |
| Category: | **NA** | | |
| Comment: | | | |
| Location Details: | | Direction of Survey: | **Downstream** |

US MH: **M-504-028** DS MH: **M-504-056** Total Length Surveyed (ft): **102.7**

| | | | | | |
|---|---|---|---|---|---|
| O&M Index: | **1.93** | O&M Quick: | **312D** | O&M Rating: | **56.00** |
| Structural Index: | **3.75** | Structural Quick: | **4632** | Structural Rating: | **30.00** |
| Overall Index: | **2.32** | Overall Quick: | **4633** | Overall Rating: | **86.00** |




| Position | Code | Observation | Video (sec) | Grade |
|---|---|---|---|---|
| .0 | AMH | Manhole | 1 | NA |
| .0 | MWL | Miscellaneous Water Level | 69 | NA |
| .0 | DSF(S01) | Deposits Settled Fine | 76 | M 2 |
| 2.5 | B(S02) | Broken | 164 | S 4 |
| 2.7 | DAE(S03) | Deposits Attached Encrustation | 196 | M 2 |
| 2.7 | DAE(S04) | Deposits Attached Encrustation | 224 | M 2 |
| 4.1 | RFJ | Roots Fine Joint | 278 | M 1 |
| 5.9 | DAE(F03) | Deposits Attached Encrustation | 305 | M 2 |
| 5.9 | DAE(F04) | Deposits Attached Encrustation | 312 | M 2 |
| 7.0 | MMC | Miscellaneous Material Change | 356 | NA |
| 7.0 | B(F02) | Broken | 367 | S 4 |
| 11.6 | TF | Tap Factory | 402 | NA |
| 19.8 | MMC | Miscellaneous Material Change | 496 | NA |
| 40.4 | MMC | Miscellaneous Material Change | 624 | NA |
| 42.2 | TF | Tap Factory | 656 | NA |
| 43.5 | MMC | Miscellaneous Material Change | 706 | NA |
| 49.5 | JAM | Joint Angular Medium | 782 | S 3 |
| 49.5 | CM | Crack Multiple | 835 | S 3 |
| 53.4 | FM(S05) | Fracture Multiple | 910 | S 4 |
| 61.7 | RFJ | Roots Fine Joint | 1037 | M 1 |
| 61.7 | B | Broken | 1142 | S 4 |
| 64.6 | MMC | Miscellaneous Material Change | 1193 | NA |
| 64.6 | FM(F05) | Fracture Multiple | 1205 | S 4 |
| 77.8 | TF | Tap Factory | 1275 | NA |
| 77.8 | RML | Roots Medium Lateral | 1298 | M 3 |
| 79.9 | MMC | Miscellaneous Material Change | 1357 | NA |
| 82.6 | RFJ | Roots Fine Joint | 1405 | M 1 |
| 85.6 | MMC | Miscellaneous Material Change | 1470 | NA |
| 93.6 | TF | Tap Factory | 1531 | NA |
| 94.8 | MMC | Miscellaneous Material Change | 1584 | NA |
| 94.9 | FM(S06) | Fracture Multiple | 1598 | S 4 |
| 94.9 | RFB(S07) | Roots Fine Barrel | 1606 | M 2 |
| 101.8 | MWL | Miscellaneous Water Level | 1662 | NA |
| 102.7 | DSF(F01) | Deposits Settled Fine | 1700 | M 2 |
| 102.7 | FM(F06) | Fracture Multiple | 1708 | S 4 |
| 102.7 | RFB(F07) | Roots Fine Barrel | 1716 | M 2 |
| 102.7 | MSA | Miscellaneous Survey Abandoned | 1729 | 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-504-028** |

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| | |
|---|---|
| Code: | **MWL** |
| Description: | **Miscellaneous 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: | |

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| | |
|---|---|
| Code: | **DSF** |
| Description: | **Deposits Settled Fine** |
| Distance (ft): | **.0** |
| Structural Grade: | **0** |
| O&M Grade: | **2** |
| Clock Start/From: | **5** |
| Clock To: | **7** |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | **5.000** |
| Continuous Index: | **S01** |
| Within 8" of Joint: | **YES** |
| Remarks: | |

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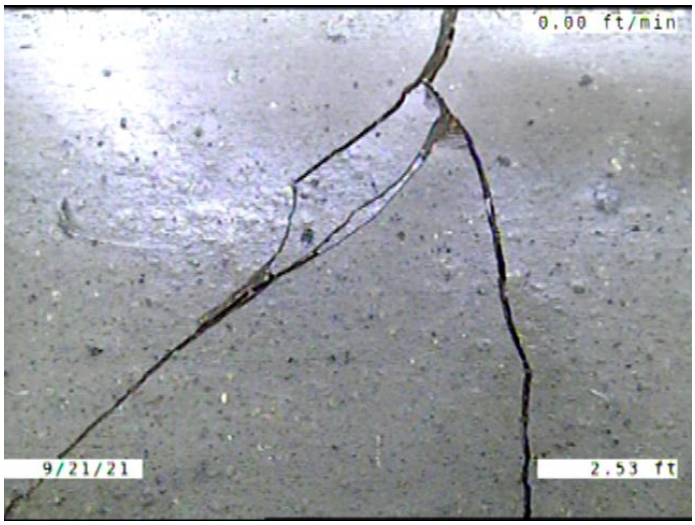


| | |
|---|---|
| Code: | **B** |
| Description: | **Broken** |
| Distance (ft): | **2.5** |
| Structural Grade: | **4** |
| O&M Grade: | **0** |
| Clock Start/From: | **8** |
| Clock To: | **4** |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | |
| Continuous Index: | **S02** |
| Within 8" of Joint: | **YES** |
| Remarks: | |

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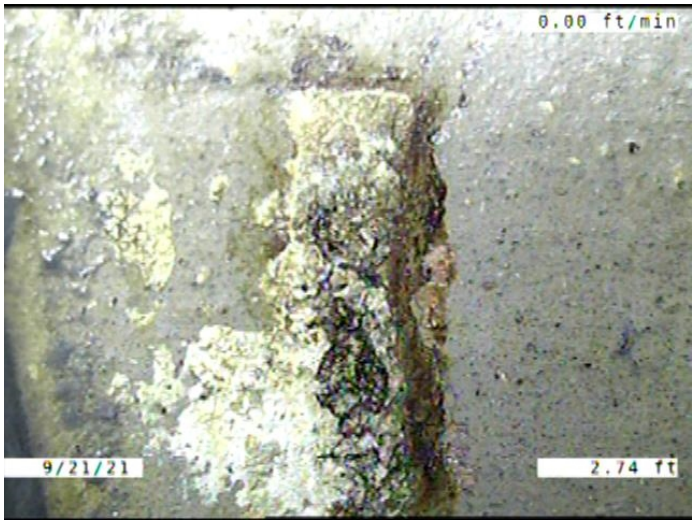


| | |
|---|---|
| Code: | **DAE** |
| Description: | **Deposits Attached Encrustation** |
| Distance (ft): | **2.7** |
| Structural Grade: | **0** |
| O&M Grade: | **2** |
| Clock Start/From: | **8** |
| Clock To: | **9** |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | **5.000** |
| Continuous Index: | **S03** |
| Within 8" of Joint: | **YES** |
| Remarks: | |

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| | |
|---|---|
| Code: | **DAE** |
| Description: | **Deposits Attached Encrustation** |
| Distance (ft): | **2.7** |
| Structural Grade: | **0** |
| O&M Grade: | **2** |
| Clock Start/From: | **3** |
| Clock To: | **4** |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | **5.000** |
| Continuous Index: | **S04** |
| Within 8" of Joint: | **YES** |
| Remarks: | |

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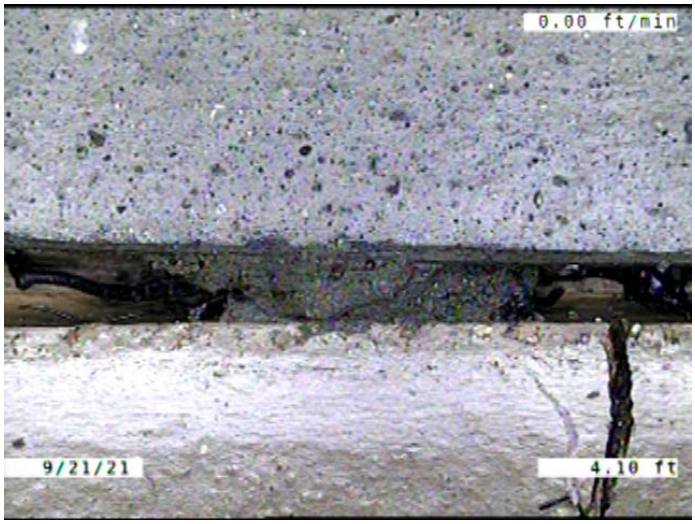


| | |
|---|---|
| Code: | **RFJ** |
| Description: | **Roots Fine Joint** |
| Distance (ft): | **4.1** |
| Structural Grade: | **0** |
| O&M Grade: | **1** |
| Clock Start/From: | **11** |
| Clock To: | **1** |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | |
| Continuous Index: | |
| Within 8" of Joint: | **YES** |
| Remarks: | |

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| | |
|---|---|
| Code: | **DAE** |
| Description: | **Deposits Attached Encrustation** |
| Distance (ft): | **5.9** |
| Structural Grade: | **0** |
| O&M Grade: | **2** |
| Clock Start/From: | **8** |
| Clock To: | **9** |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | **5.000** |
| Continuous Index: | **F03** |
| Within 8" of Joint: | **YES** |
| Remarks: | |

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| | |
|---|---|
| Code: | **DAE** |
| Description: | **Deposits Attached Encrustation** |
| Distance (ft): | **5.9** |
| Structural Grade: | **0** |
| O&M Grade: | **2** |
| Clock Start/From: | **3** |
| Clock To: | **4** |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | **5.000** |
| Continuous Index: | **F04** |
| Within 8" of Joint: | **YES** |
| Remarks: | |

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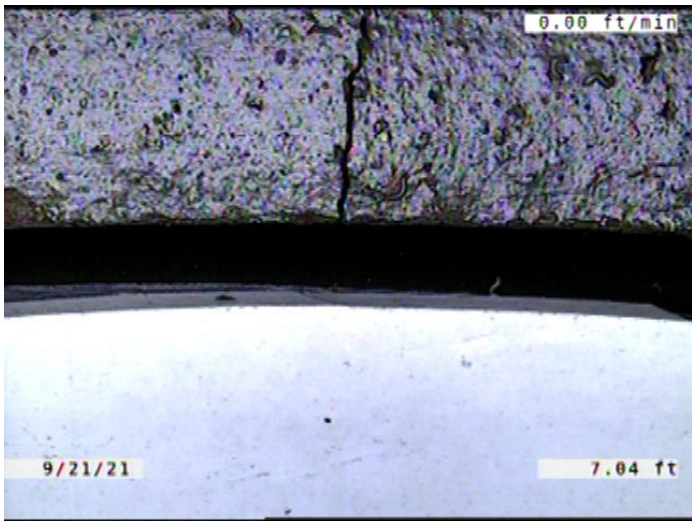


| | |
|---|---|
| Code: | **MMC** |
| Description: | **Miscellaneous Material Change** |
| Distance (ft): | **7.0** |
| Structural Grade: | **0** |
| O&M Grade: | **0** |
| Clock Start/From: | |
| Clock To: | |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | |
| Continuous Index: | |
| Within 8" of Joint: | **NO** |
| Remarks: | **VCP TO PVC** |

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| | |
|---|---|
| Code: | **B** |
| Description: | **Broken** |
| Distance (ft): | **7.0** |
| Structural Grade: | **4** |
| O&M Grade: | **0** |
| Clock Start/From: | **8** |
| Clock To: | **4** |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | |
| Continuous Index: | **F02** |
| Within 8" of Joint: | **YES** |
| Remarks: | |

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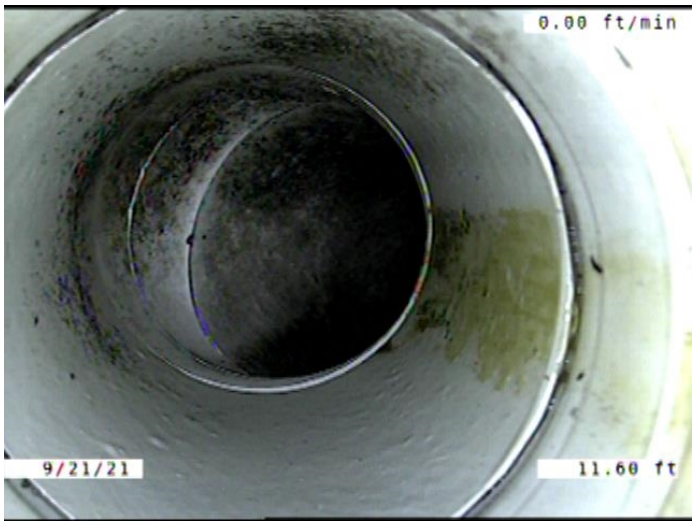


| | |
|---|---|
| Code: | **TF** |
| Description: | **Tap Factory** |
| Distance (ft): | **11.6** |
| Structural Grade: | **0** |
| O&M Grade: | **0** |
| Clock Start/From: | **1** |
| Clock To: | |
| 1st Value: | **4.000** |
| 2nd Value: | |
| Value Percent: | |
| Continuous Index: | |
| Within 8" of Joint: | **YES** |
| Remarks: | |

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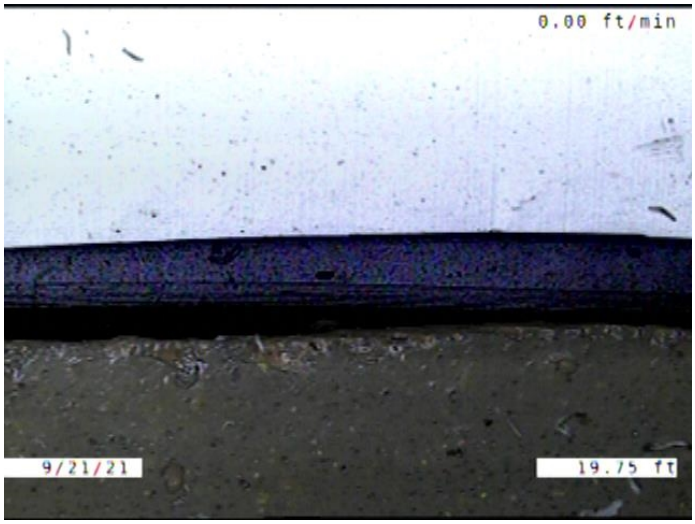


Code: **MMC**
Description: **Miscellaneous Material Change**

Distance (ft): **19.8**
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: **PVC TO VCP**

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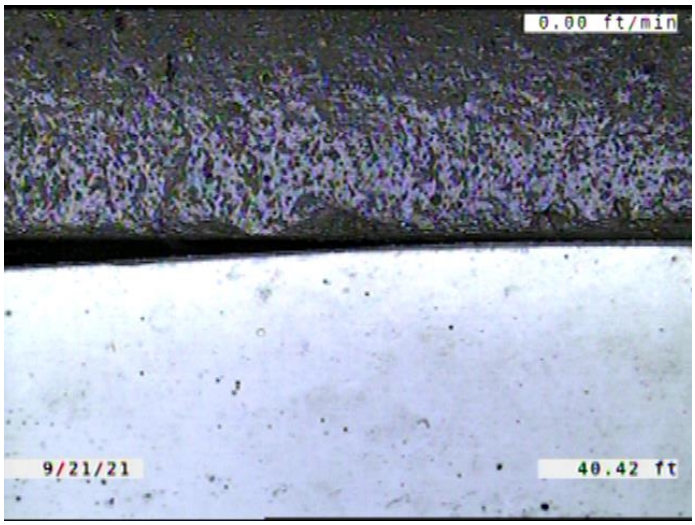


Code: **MMC**
Description: **Miscellaneous Material Change**

Distance (ft): **40.4**
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: **VCP TO PVC**

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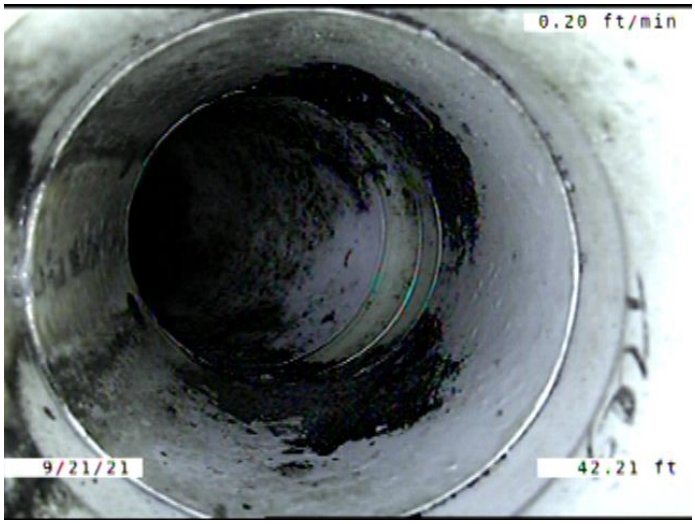


| | |
|---|---|
| Code: | **TF** |
| Description: | **Tap Factory** |
| Distance (ft): | **42.2** |
| Structural Grade: | **0** |
| O&M Grade: | **0** |
| Clock Start/From: | **10** |
| Clock To: | |
| 1st Value: | **4.000** |
| 2nd Value: | |
| Value Percent: | |
| Continuous Index: | |
| Within 8" of Joint: | **YES** |
| Remarks: | |

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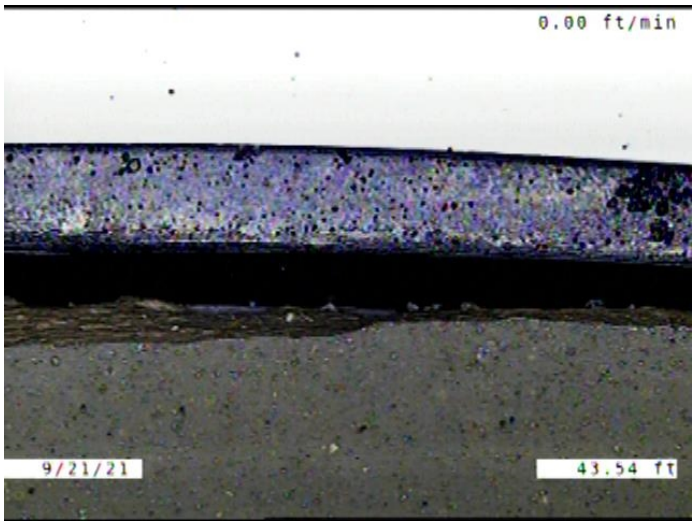


| | |
|---|---|
| Code: | **MMC** |
| Description: | **Miscellaneous Material Change** |
| Distance (ft): | **43.5** |
| Structural Grade: | **0** |
| O&M Grade: | **0** |
| Clock Start/From: | |
| Clock To: | |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | |
| Continuous Index: | |
| Within 8" of Joint: | **NO** |
| Remarks: | **PVC TO VCP** |

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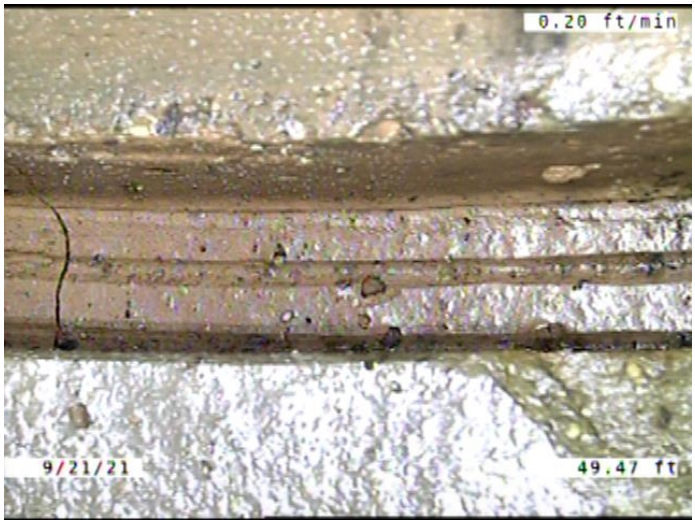


| | |
|---|---|
| Code: | **JAM** |
| Description: | **Joint Angular Medium** |
| Distance (ft): | **49.5** |
| Structural Grade: | **3** |
| O&M Grade: | **0** |
| Clock Start/From: | |
| Clock To: | |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | |
| Continuous Index: | |
| Within 8" of Joint: | **NO** |
| Remarks: | |

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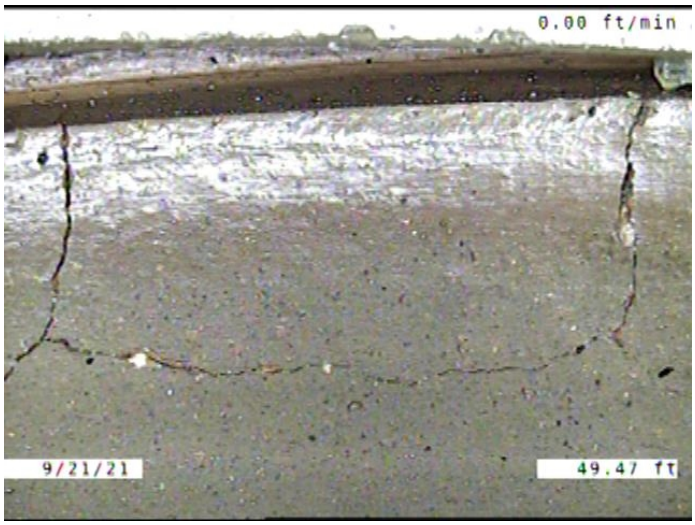


| | |
|---|---|
| Code: | **CM** |
| Description: | **Crack Multiple** |
| Distance (ft): | **49.5** |
| Structural Grade: | **3** |
| O&M Grade: | **0** |
| Clock Start/From: | **9** |
| Clock To: | **2** |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | |
| Continuous Index: | |
| Within 8" of Joint: | **YES** |
| Remarks: | |

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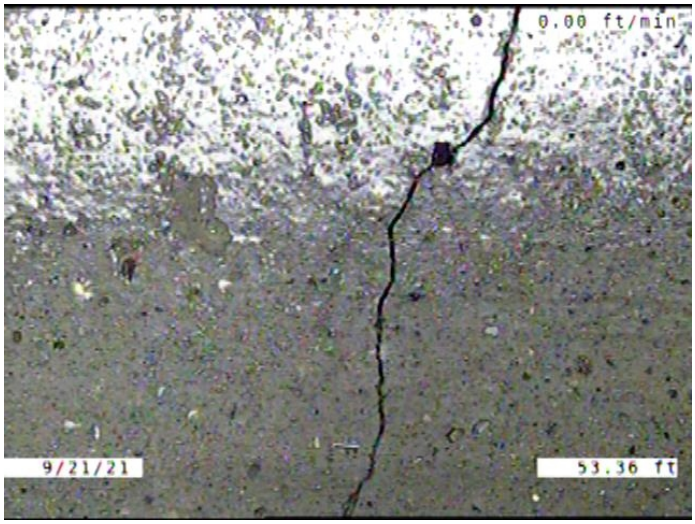


| | |
|---|---|
| Code: | **FM** |
| Description: | **Fracture Multiple** |
| Distance (ft): | **53.4** |
| Structural Grade: | **4** |
| O&M Grade: | **0** |
| Clock Start/From: | **9** |
| Clock To: | **3** |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | |
| Continuous Index: | **S05** |
| Within 8" of Joint: | **YES** |
| Remarks: | |

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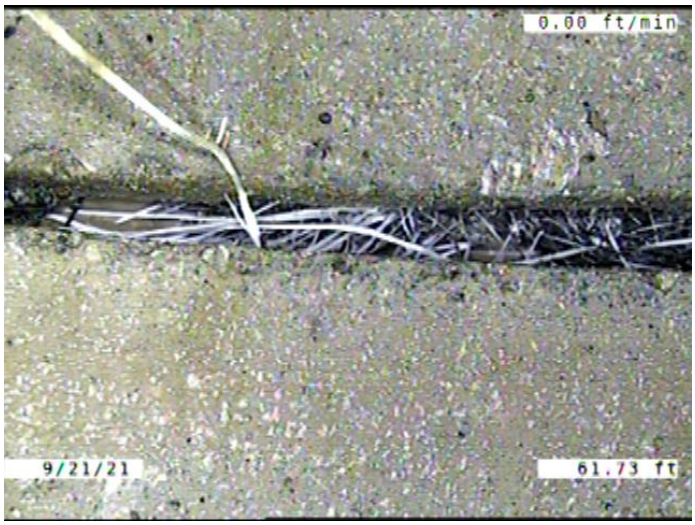


| | |
|---|---|
| Code: | **RFJ** |
| Description: | **Roots Fine Joint** |
| Distance (ft): | **61.7** |
| Structural Grade: | **0** |
| O&M Grade: | **1** |
| Clock Start/From: | **8** |
| Clock To: | **4** |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | |
| Continuous Index: | |
| Within 8" of Joint: | **YES** |
| Remarks: | |

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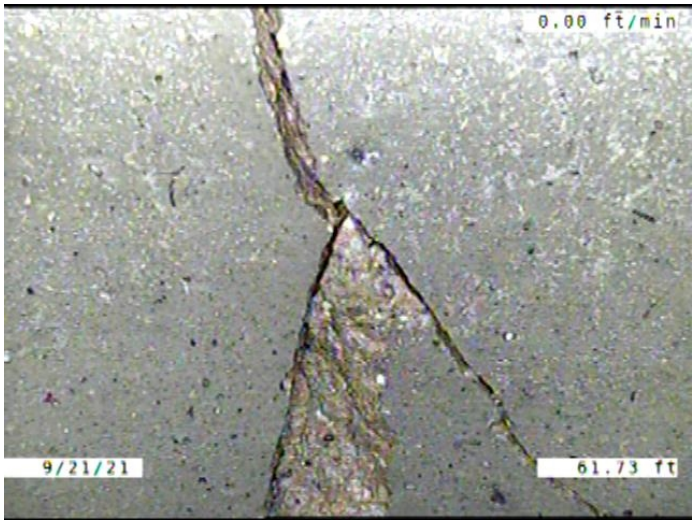


| | |
|---|---|
| Code: | **B** |
| Description: | **Broken** |
| Distance (ft): | **61.7** |
| Structural Grade: | **4** |
| O&M Grade: | **0** |
| Clock Start/From: | **12** |
| Clock To: | **8** |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | |
| Continuous Index: | |
| Within 8" of Joint: | **YES** |
| Remarks: | |

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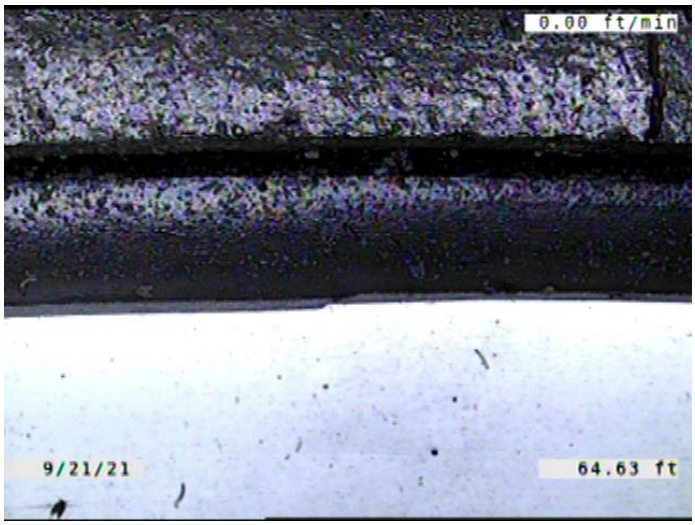


| | |
|---|---|
| Code: | **MMC** |
| Description: | **Miscellaneous Material Change** |
| Distance (ft): | **64.6** |
| Structural Grade: | **0** |
| O&M Grade: | **0** |
| Clock Start/From: | |
| Clock To: | |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | |
| Continuous Index: | |
| Within 8" of Joint: | **NO** |
| Remarks: | **VCP TO PVC** |

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| | |
|---|---|
| Code: | **FM** |
| Description: | **Fracture Multiple** |
| Distance (ft): | **64.6** |
| Structural Grade: | **4** |
| O&M Grade: | **0** |
| Clock Start/From: | **9** |
| Clock To: | **3** |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | |
| Continuous Index: | **F05** |
| Within 8" of Joint: | **YES** |
| Remarks: | |

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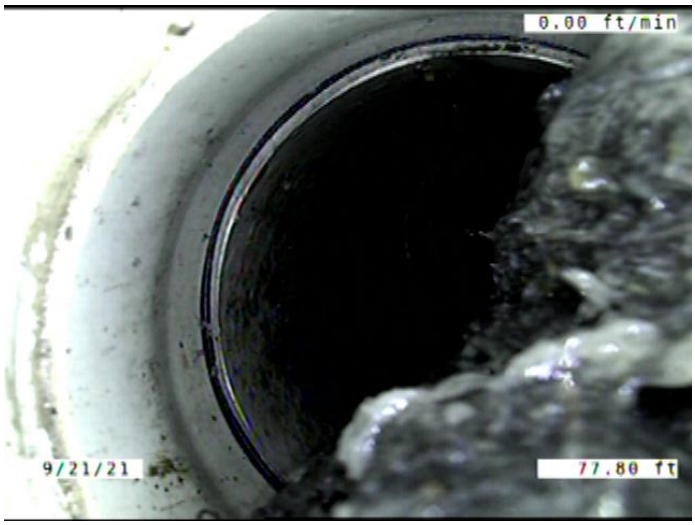


| | |
|---|---|
| Code: | **TF** |
| Description: | **Tap Factory** |
| Distance (ft): | **77.8** |
| Structural Grade: | **0** |
| O&M Grade: | **0** |
| Clock Start/From: | **1** |
| Clock To: | |
| 1st Value: | **4.000** |
| 2nd Value: | |
| Value Percent: | |
| Continuous Index: | |
| Within 8" of Joint: | **YES** |
| Remarks: | **CONSTANTLY RUNNING WATER. ROOTS GROWNG INTO THE MAIN** |

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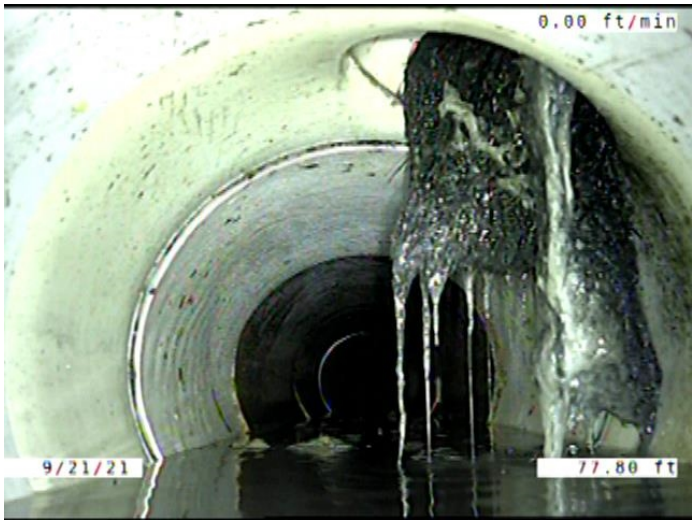


| | |
|---|---|
| Code: | **RML** |
| Description: | **Roots Medium Lateral** |
| Distance (ft): | **77.8** |
| Structural Grade: | **0** |
| O&M Grade: | **3** |
| Clock Start/From: | **12** |
| Clock To: | **2** |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | **10.000** |
| Continuous Index: | |
| Within 8" of Joint: | **NO** |
| Remarks: | |

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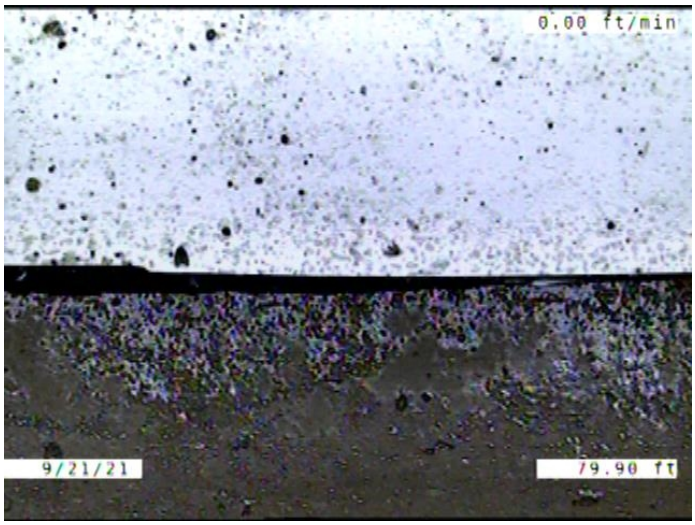


| | |
|---|---|
| Code: | **MMC** |
| Description: | **Miscellaneous Material Change** |
| Distance (ft): | **79.9** |
| Structural Grade: | **0** |
| O&M Grade: | **0** |
| Clock Start/From: | |
| Clock To: | |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | |
| Continuous Index: | |
| Within 8" of Joint: | **NO** |
| Remarks: | **PVC TO VCP** |

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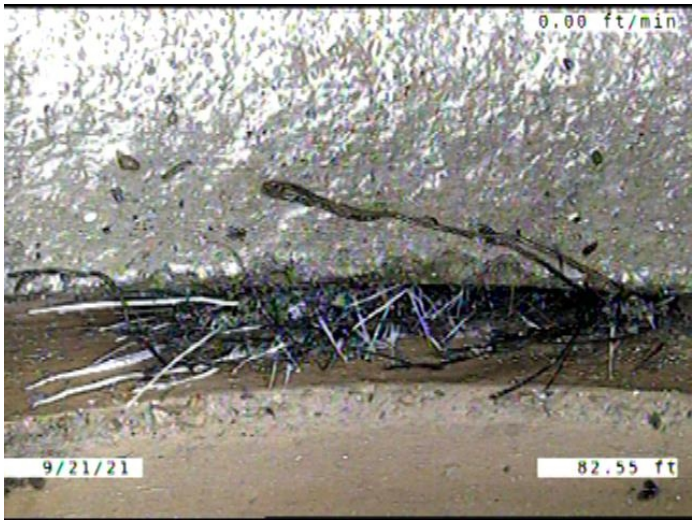


| | |
|---|---|
| Code: | **RFJ** |
| Description: | **Roots Fine Joint** |
| Distance (ft): | **82.6** |
| Structural Grade: | **0** |
| O&M Grade: | **1** |
| Clock Start/From: | **9** |
| Clock To: | **11** |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | |
| Continuous Index: | |
| Within 8" of Joint: | **YES** |
| Remarks: | |

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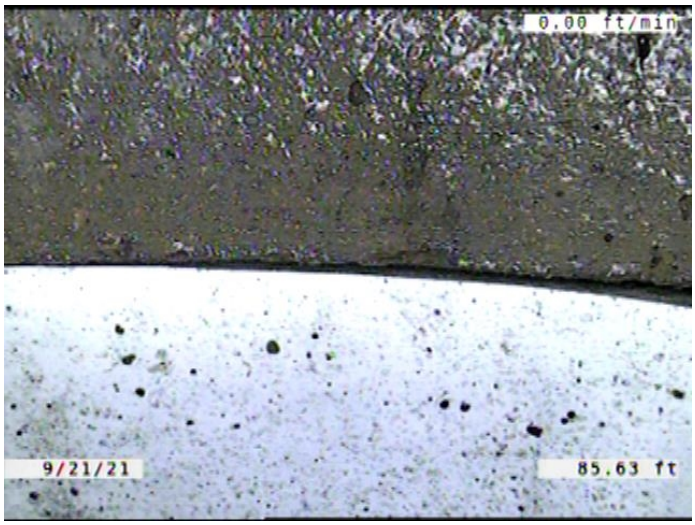


| | |
|---|---|
| Code: | **MMC** |
| Description: | **Miscellaneous Material Change** |
| Distance (ft): | **85.6** |
| Structural Grade: | **0** |
| O&M Grade: | **0** |
| Clock Start/From: | |
| Clock To: | |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | |
| Continuous Index: | |
| Within 8" of Joint: | **NO** |
| Remarks: | **VCP TO PVC** |

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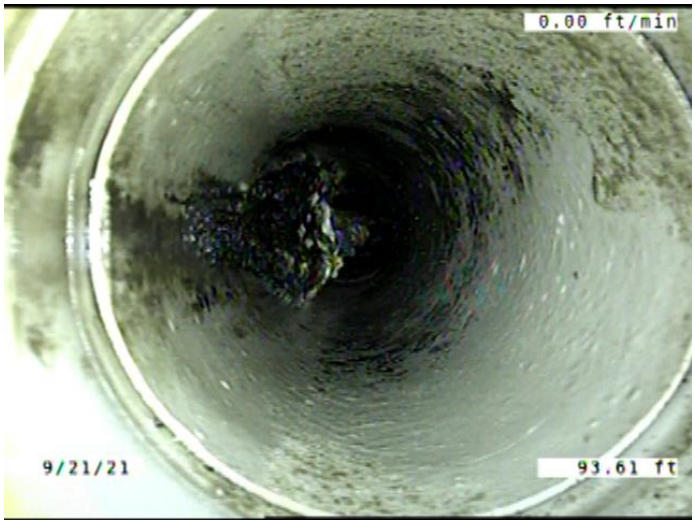


| | |
|---|---|
| Code: | **TF** |
| Description: | **Tap Factory** |
| Distance (ft): | **93.6** |
| Structural Grade: | **0** |
| O&M Grade: | **0** |
| Clock Start/From: | **9** |
| Clock To: | |
| 1st Value: | **4.000** |
| 2nd Value: | |
| Value Percent: | |
| Continuous Index: | |
| Within 8" of Joint: | **YES** |
| Remarks: | **ROOTS GROWING DOWN THE TAP** |

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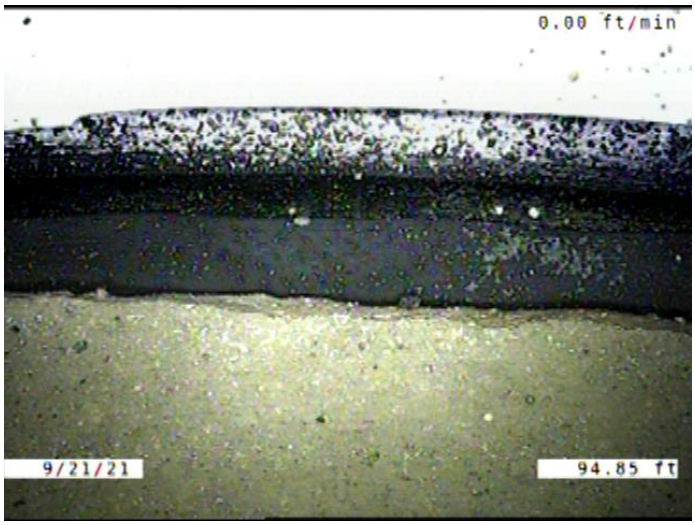


| | |
|---|---|
| Code: | **MMC** |
| Description: | **Miscellaneous Material Change** |
| Distance (ft): | **94.8** |
| Structural Grade: | **0** |
| O&M Grade: | **0** |
| Clock Start/From: | |
| Clock To: | |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | |
| Continuous Index: | |
| Within 8" of Joint: | **NO** |
| Remarks: | **PVC TO VCP** |

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| | |
|---|---|
| Code: | **FM** |
| Description: | **Fracture Multiple** |
| Distance (ft): | **94.9** |
| Structural Grade: | **4** |
| O&M Grade: | **0** |
| Clock Start/From: | **8** |
| Clock To: | **4** |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | |
| Continuous Index: | **S06** |
| Within 8" of Joint: | **YES** |
| Remarks: | |

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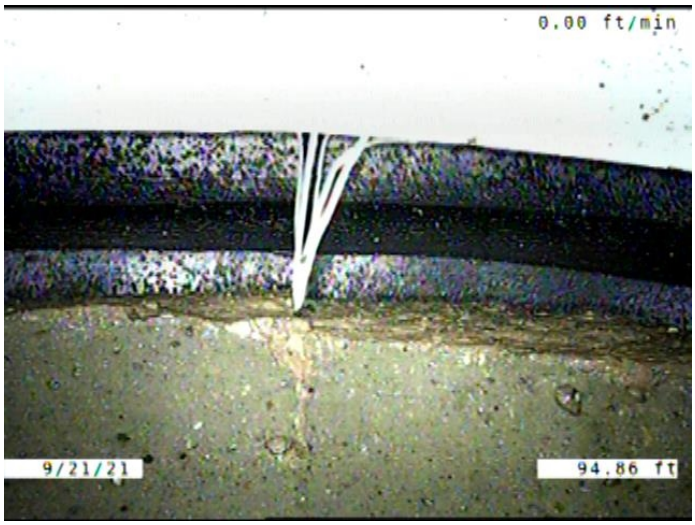


| | |
|---|---|
| Code: | **RFB** |
| Description: | **Roots Fine Barrel** |
| Distance (ft): | **94.9** |
| Structural Grade: | **0** |
| O&M Grade: | **2** |
| Clock Start/From: | **9** |
| Clock To: | **3** |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | |
| Continuous Index: | **S07** |
| Within 8" of Joint: | **NO** |
| Remarks: | |

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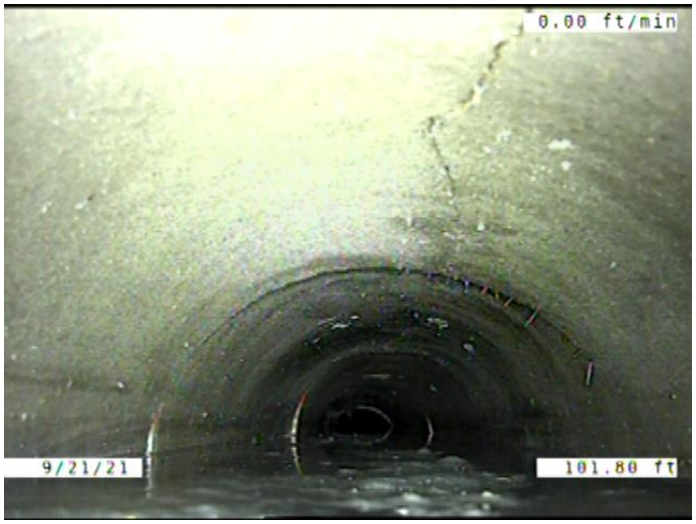


| | |
|---|---|
| Code: | **MWL** |
| Description: | **Miscellaneous Water Level** |
| Distance (ft): | **101.8** |
| Structural Grade: | **0** |
| O&M Grade: | **0** |
| Clock Start/From: | |
| Clock To: | |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | **40.000** |
| Continuous Index: | |
| Within 8" of Joint: | **NO** |
| Remarks: | |

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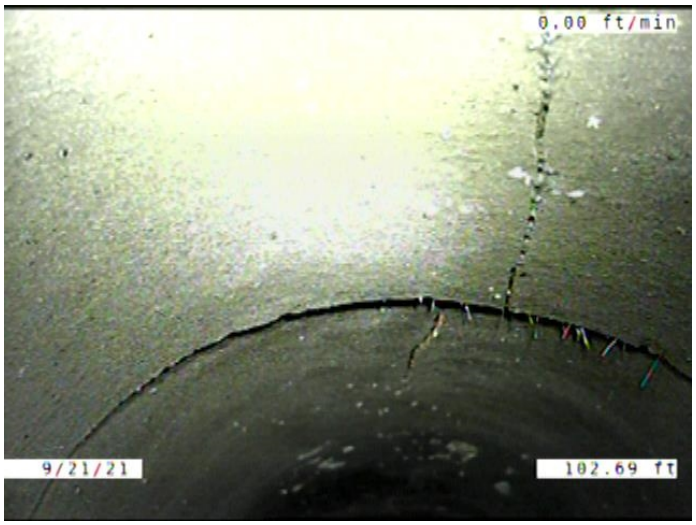


| | |
|---|---|
| Code: | **DSF** |
| Description: | **Deposits Settled Fine** |
| Distance (ft): | **102.7** |
| Structural Grade: | **0** |
| O&M Grade: | **2** |
| Clock Start/From: | **5** |
| Clock To: | **7** |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | **5.000** |
| Continuous Index: | **F01** |
| Within 8" of Joint: | **YES** |
| Remarks: | |

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| | |
|---|---|
| Code: | **FM** |
| Description: | **Fracture Multiple** |
| Distance (ft): | **102.7** |
| Structural Grade: | **4** |
| O&M Grade: | **0** |
| Clock Start/From: | **8** |
| Clock To: | **4** |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | |
| Continuous Index: | **F06** |
| Within 8" of Joint: | **YES** |
| Remarks: | |

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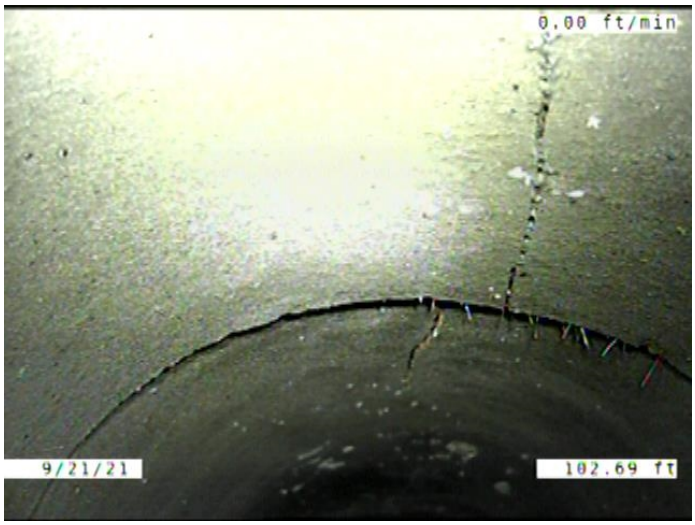


| | |
|---|---|
| Code: | **RFB** |
| Description: | **Roots Fine Barrel** |
| Distance (ft): | **102.7** |
| Structural Grade: | **0** |
| O&M Grade: | **2** |
| Clock Start/From: | **9** |
| Clock To: | **3** |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | |
| Continuous Index: | **F07** |
| Within 8" of Joint: | **NO** |
| Remarks: | |

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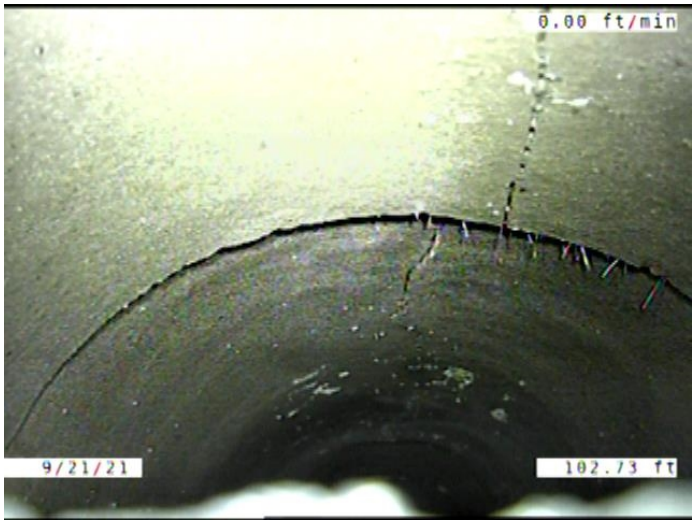


| | |
|---|---|
| Code: | **MSA** |
| Description: | **Miscellaneous Survey Abandoned** |
| Distance (ft): | **102.7** |
| Structural Grade: | **0** |
| O&M Grade: | **0** |
| Clock Start/From: | |
| Clock To: | |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | |
| Continuous Index: | |
| Within 8" of Joint: | **NO** |
| Remarks: | **CAMERA CANT MAKE IT PAST UNKNOWN DEBRIS UNDER THE FLO** |