

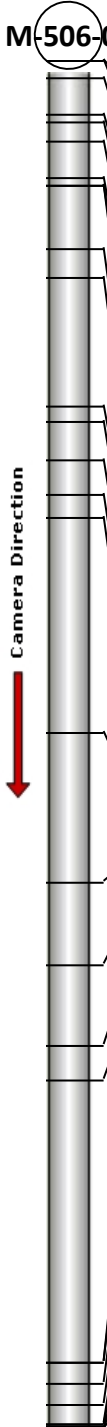
Profile/Photo Observation Report

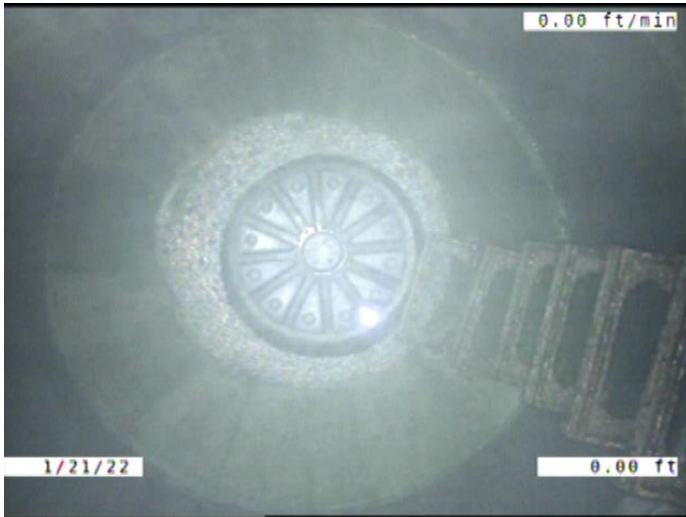


| | | | | | |
|-------------------|-----------------------|-------------|-----------------------|------------|-----------------------|
| Date: | 01/21/2022 | Weather: | | Coding: | PACP 7.0 |
| Pipe Length (ft): | 205.0 | Owner: | City of Hobart | Pre Clean: | Heavy Cleaning |
| P.O.#: | YES502259 | Surveyor: | S. Bucklin | PSR: | P-506-012-011 |
| Customer: | City of Hobart | Clean Date: | 01/17/2022 | Shape: | C |

| | | | |
|-------------------|--|-----------------------------|-----------------------|
| Street: | West 7th Place | Flow Control: | Not Controlled |
| City: | Hobart, IN | Year Renewed: | |
| Location: | Local rural streets with light traffic, t | Tape/Media #: | |
| Purpose: | Routine Assessment | Dia/Height: | 10" |
| Use: | Sanitary Sewage Pipe | Material: | VCP |
| Drain Area: | | Lining: | None |
| Category: | NA | | |
| Comment: | | | |
| Location Details: | | Direction of Survey: | Downstream |
| US MH: | M-506-011 | DS MH: | M-506-012 |
| | | Total Length Surveyed (ft): | 195.6 |

| | | | | | |
|-------------------|-------------|-------------------|-------------|--------------------|---------------|
| O&M Index: | 2.06 | O&M Quick: | 4232 | O&M Rating: | 167.00 |
| Structural Index: | 3.00 | Structural Quick: | 4531 | Structural Rating: | 33.00 |
| Overall Index: | 2.17 | Overall Quick: | 4733 | Overall Rating: | 200.00 |

| | Position | Code | Observation | Video (sec) | Grade |
|--|----------|-----------|---------------------------------|-------------|-------|
| M-506-011 | | | | | |
|  | .0 | AMH | Manhole | 1 | NA |
| | .0 | MWL | Miscellaneous Water Level | 60 | NA |
| | 2.4 | DSZ(S01) | Deposits Settled Other | 83 | M 2 |
| | 7.6 | FM(S02) | Fracture Multiple | 146 | S 4 |
| | 8.8 | TBI | Tap Break-in Intruding | 180 | M 2 |
| | 11.5 | DAE(S03) | Deposits Attached Encrustation | 233 | M 2 |
| | 16.6 | TF | Tap Factory | 273 | NA |
| | 17.9 | DSZ(F01) | Deposits Settled Other | 295 | M 2 |
| | 17.9 | FM(F02) | Fracture Multiple | 303 | S 4 |
| | 27.0 | DSF(S04) | Deposits Settled Fine | 344 | M 2 |
| | 30.9 | TFD | Tap Factory Defective | 384 | M 3 |
| | 49.4 | LD | Line Down | 478 | M 1 |
| | 51.6 | MWLS(S05) | Miscellaneous Water Level Sag | 495 | S 2 |
| | 57.1 | TFC | Tap Factory Capped | 534 | NA |
| | 62.1 | TF | Tap Factory | 581 | NA |
| | 65.4 | MWLS(F05) | Miscellaneous Water Level Sag | 613 | S 2 |
| | 96.0 | DAE | Deposits Attached Encrustation | 741 | M 3 |
| | 117.3 | DSZ | Deposits Settled Other | 839 | M 2 |
| | 129.3 | MWLS(S06) | Miscellaneous Water Level Sag | 900 | S 2 |
| | 140.6 | MWLS(F06) | Miscellaneous Water Level Sag | 955 | S 2 |
| | 145.6 | TFC | Tap Factory Capped | 994 | NA |
| | 186.1 | IRB | Infiltration Runner Barrel | 1161 | M 4 |
| | 186.1 | B | Broken | 1187 | S 4 |
| | 188.9 | MWLS(S07) | Miscellaneous Water Level Sag | 1213 | S 3 |
| | 191.9 | JOLD | Joint Offset Large Defective | 1274 | S 4 |
| | 194.9 | MCU | Miscellaneous Camera Underwater | 1354 | M 4 |
| | 195.1 | JOLD | Joint Offset Large Defective | 1371 | S 4 |
| | 195.5 | MWLS(F07) | Miscellaneous Water Level Sag | 1482 | S 3 |
| | 195.5 | DAE(F03) | Deposits Attached Encrustation | 1490 | M 2 |
| | 195.5 | DSF(F04) | Deposits Settled Fine | 1499 | M 2 |
| | 195.6 | MSA | Miscellaneous Survey Abandoned | 1506 | NA |
| M-506-012 | | | | | |



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-506-011**

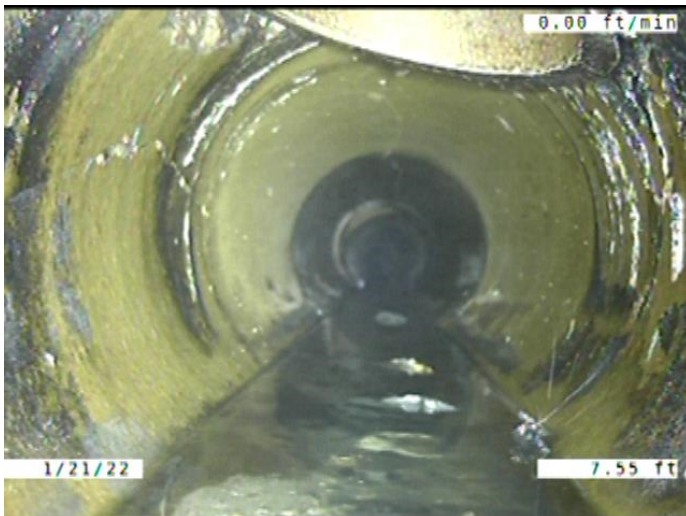


Code: **MWL**
 Description: **Miscellaneous Water Level**

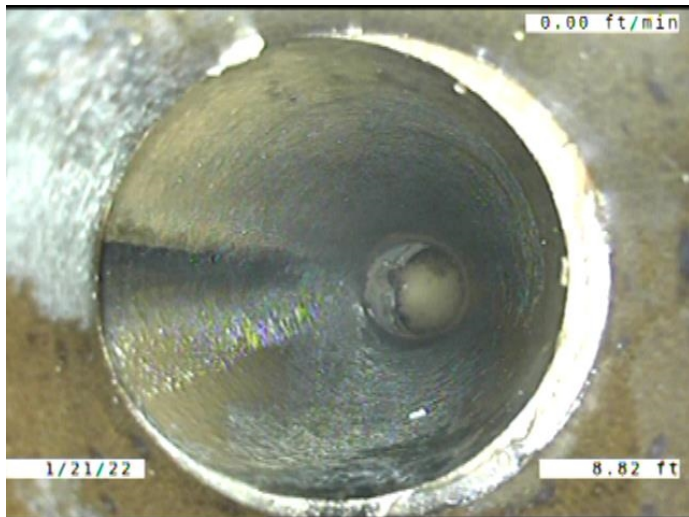
Distance (ft): **.0**
 Structural Grade: **0**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks:



| | |
|---------------------|---|
| Code: | DSZ |
| Description: | Deposits Settled Other |
| Distance (ft): | 2.4 |
| 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: | PIECES OF ENCRUSTATION THAT WAS REMOVED FROM THE PIPE WA |

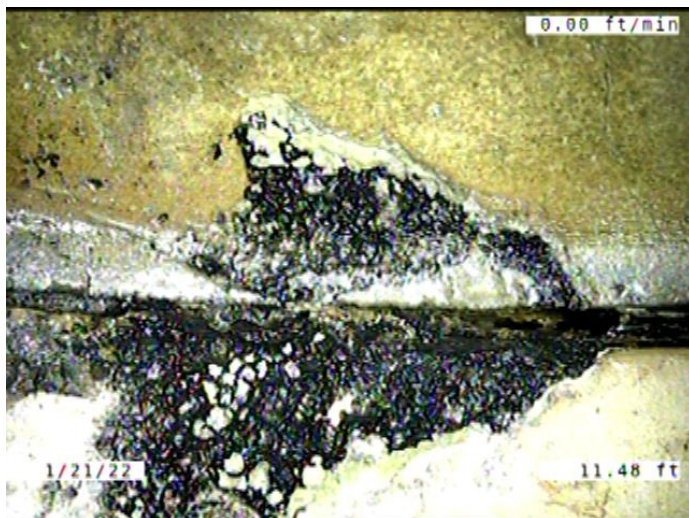


| | |
|---------------------|--------------------------|
| Code: | FM |
| Description: | Fracture Multiple |
| Distance (ft): | 7.6 |
| Structural Grade: | 4 |
| O&M Grade: | 0 |
| Clock Start/From: | 12 |
| Clock To: | 12 |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | |
| Continuous Index: | S02 |
| Within 8" of Joint: | YES |
| Remarks: | |



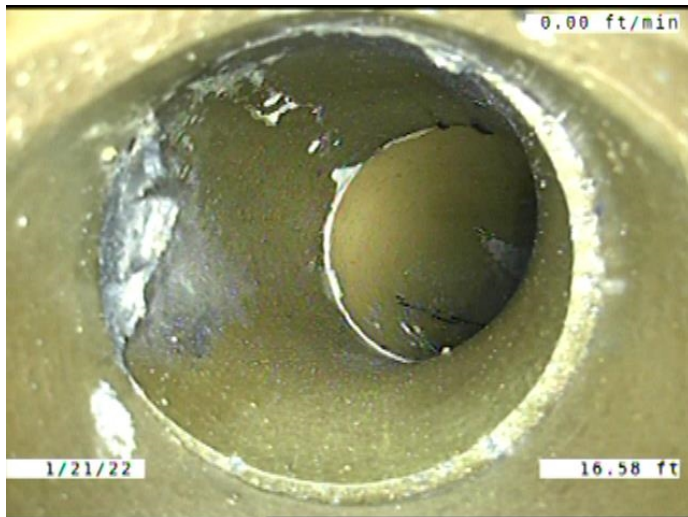
Code: **TBI**
Description: **Tap Break-in Intruding**

Distance (ft): **8.8**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **12**
Clock To:
1st Value: **6.000**
2nd Value: **2.000**
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks: **CONSTANTLY DRIPPING WATER**



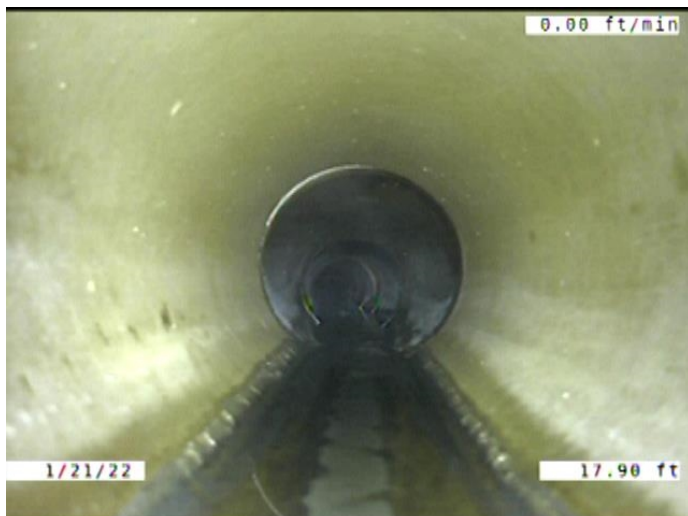
Code: **DAE**
Description: **Deposits Attached Encrustation**

Distance (ft): **11.5**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **7**
Clock To: **5**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **S03**
Within 8" of Joint: **YES**
Remarks:



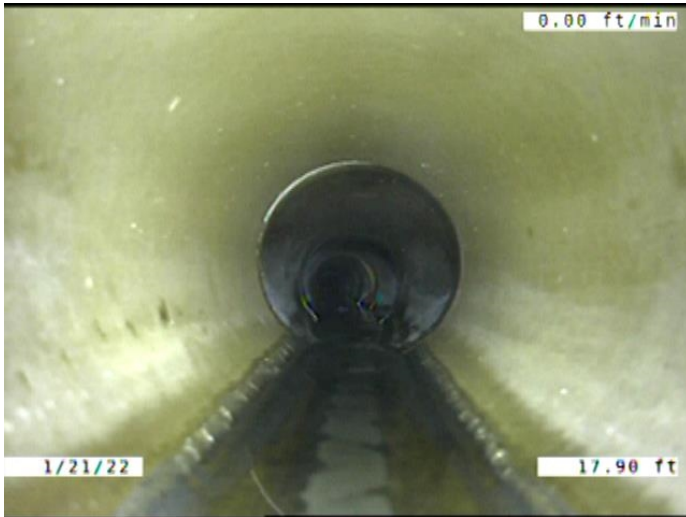
Code: **TF**
 Description: **Tap Factory**

Distance (ft): **16.6**
 Structural Grade: **0**
 O&M Grade: **0**
 Clock Start/From: **11**
 Clock To:
 1st Value: **6.000**
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



Code: **DSZ**
 Description: **Deposits Settled Other**

Distance (ft): **17.9**
 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: **PIECES OF ENCRUSTATION THAT WAS REMOVED FROM THE PIPE WA**



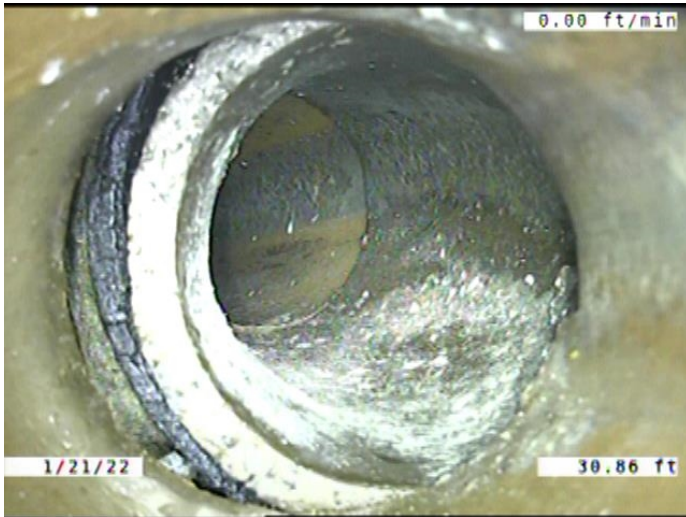
Code: **FM**
Description: **Fracture Multiple**

Distance (ft): **17.9**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **12**
Clock To: **12**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **F02**
Within 8" of Joint: **YES**
Remarks:



Code: **DSF**
Description: **Deposits Settled Fine**

Distance (ft): **27.0**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **5**
Clock To: **7**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **S04**
Within 8" of Joint: **YES**
Remarks:



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

Distance (ft): **30.9**
Structural Grade: **0**
O&M Grade: **3**
Clock Start/From: **2**
Clock To:
1st Value: **6.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks: **BROKEN. OFFSET. SOIL VISIBLE**



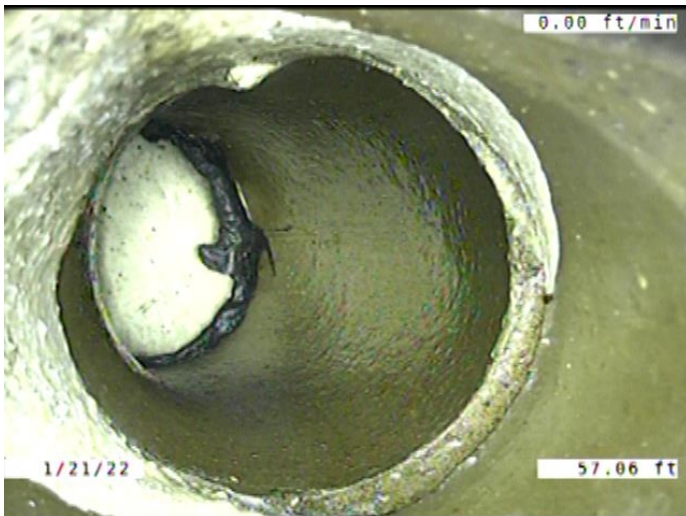
Code: **LD**
Description: **Line Down**

Distance (ft): **49.4**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



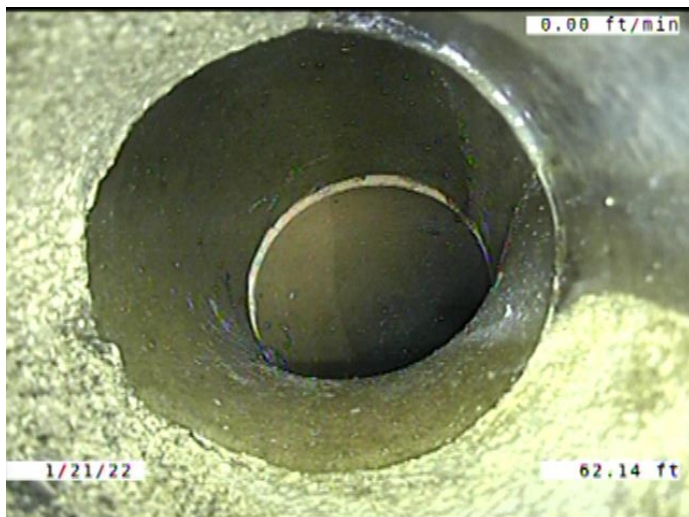
Code: **MWLS**
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **51.6**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **10.000**
 Continuous Index: **S05**
 Within 8" of Joint: **NO**
 Remarks:



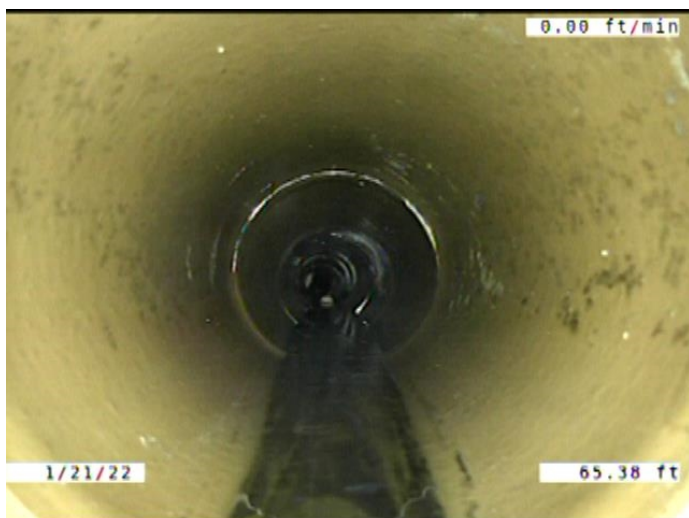
Code: **TFC**
 Description: **Tap Factory Capped**

Distance (ft): **57.1**
 Structural Grade: **0**
 O&M Grade: **0**
 Clock Start/From: **11**
 Clock To:
 1st Value: **6.000**
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks: **ENCUSTATION COMING FROM THE TAP TO MAIN CONNECTION.**



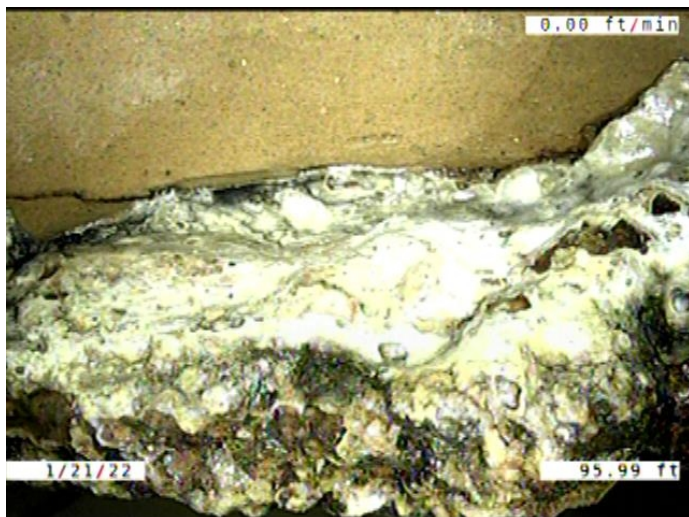
Code: **TF**
 Description: **Tap Factory**

Distance (ft): **62.1**
 Structural Grade: **0**
 O&M Grade: **0**
 Clock Start/From: **1**
 Clock To:
 1st Value: **6.000**
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks: **ENCUSTATION COMING FROM THE TAP TO MAIN CONNECTION.**



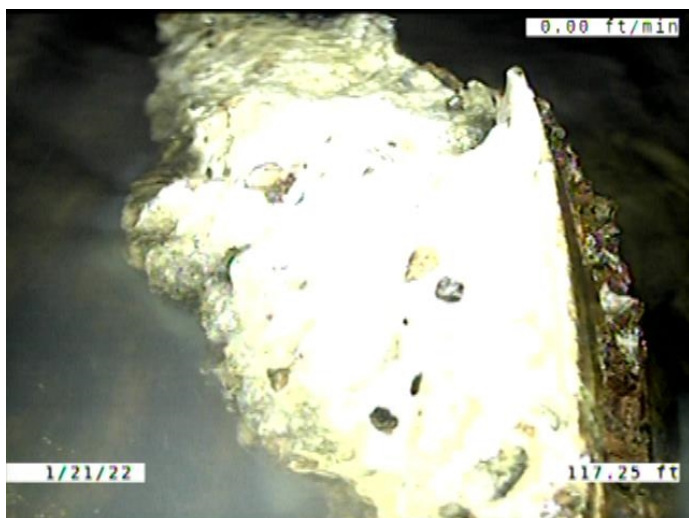
Code: **MWLS**
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **65.4**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **10.000**
 Continuous Index: **F05**
 Within 8" of Joint: **NO**
 Remarks:



Code: **DAE**
 Description: **Deposits Attached Encrustation**

Distance (ft): **96.0**
 Structural Grade: **0**
 O&M Grade: **3**
 Clock Start/From: **7**
 Clock To: **5**
 1st Value:
 2nd Value:
 Value Percent: **15.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



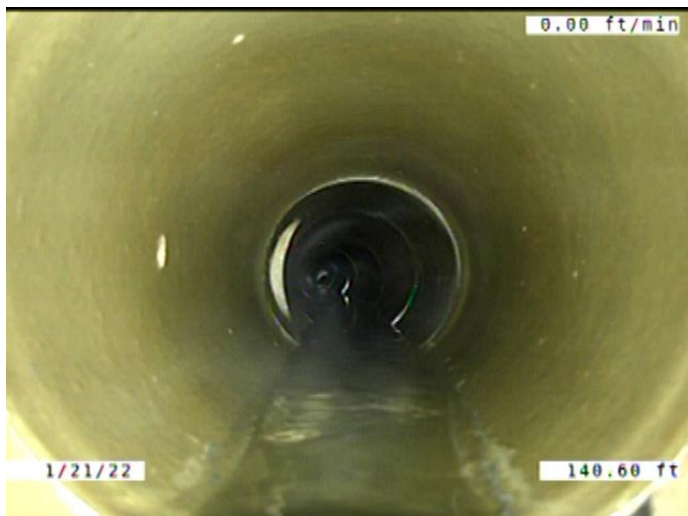
Code: **DSZ**
 Description: **Deposits Settled Other**

Distance (ft): **117.3**
 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: **A PIECE OF ENCRUSTATION THAT WAS CUT OFF THE PIPE WALLS**



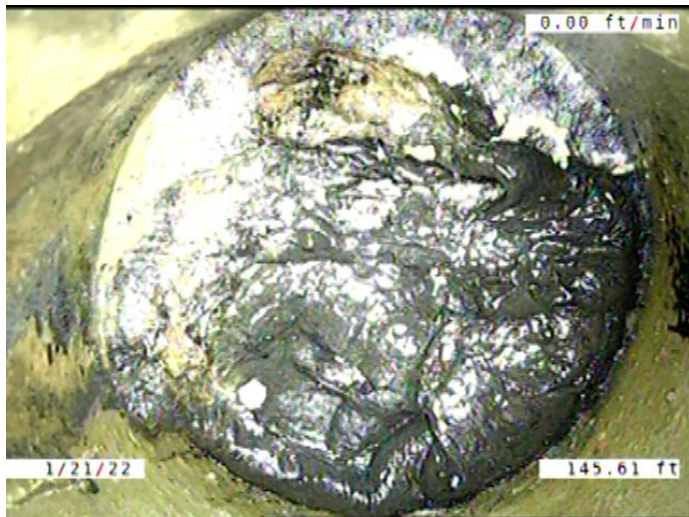
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **129.3**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **15.000**
Continuous Index: **S06**
Within 8" of Joint: **NO**
Remarks:



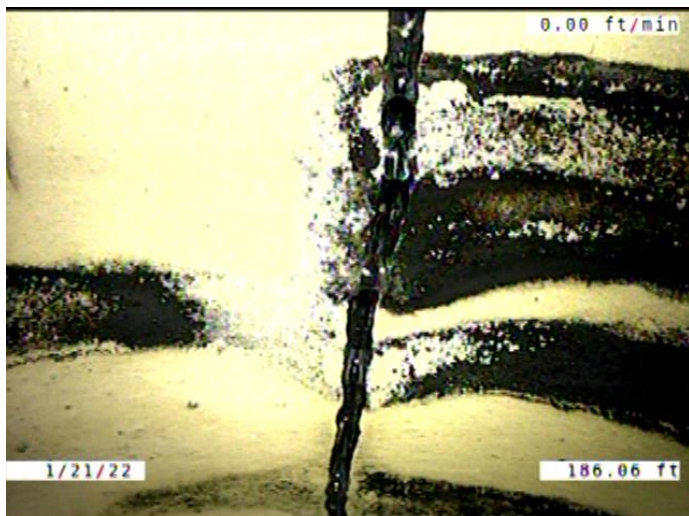
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **140.6**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **15.000**
Continuous Index: **F06**
Within 8" of Joint: **NO**
Remarks:



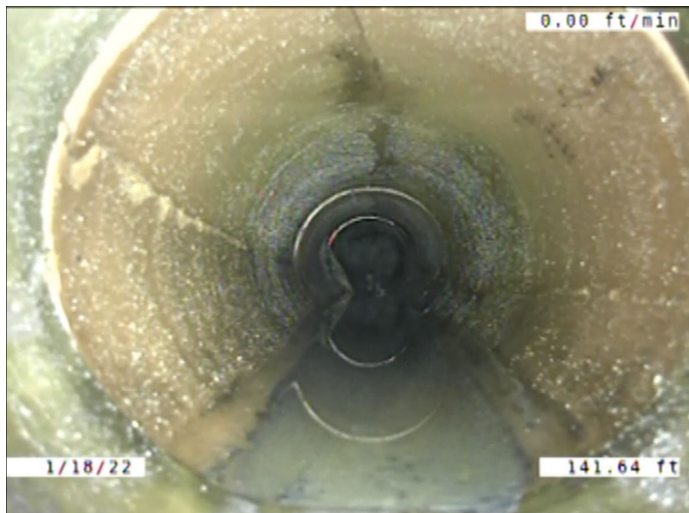
Code: **TFC**
 Description: **Tap Factory Capped**

Distance (ft): **145.6**
 Structural Grade: **0**
 O&M Grade: **0**
 Clock Start/From: **9**
 Clock To:
 1st Value: **6.000**
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



Code: **IRB**
 Description: **Infiltration Runner Barrel**

Distance (ft): **186.1**
 Structural Grade: **0**
 O&M Grade: **4**
 Clock Start/From: **12**
 Clock To:
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



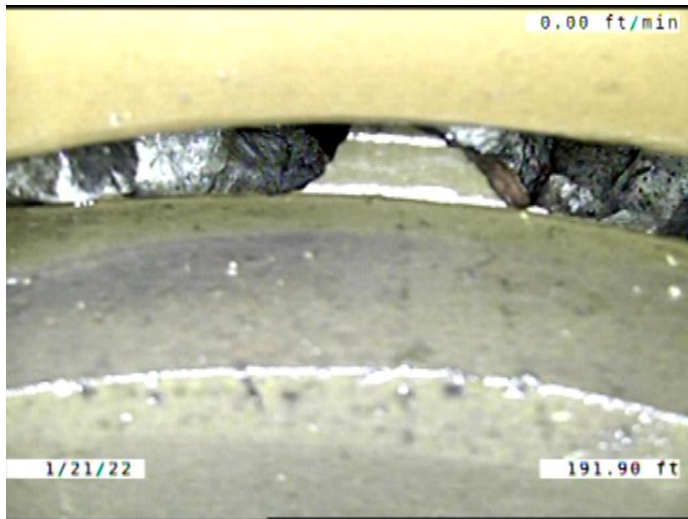
Code: **B**
 Description: **Broken**

Distance (ft): **186.1**
 Structural Grade: **4**
 O&M Grade: **0**
 Clock Start/From: **8**
 Clock To: **2**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



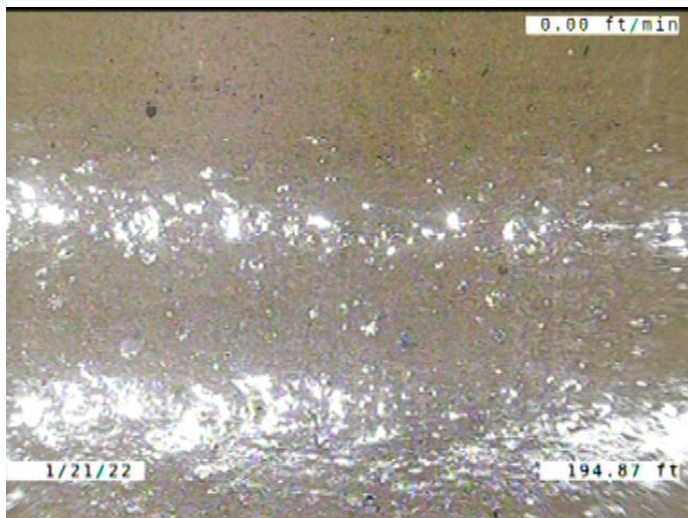
Code: **MWLS**
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **188.9**
 Structural Grade: **3**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **50.000**
 Continuous Index: **S07**
 Within 8" of Joint: **NO**
 Remarks:



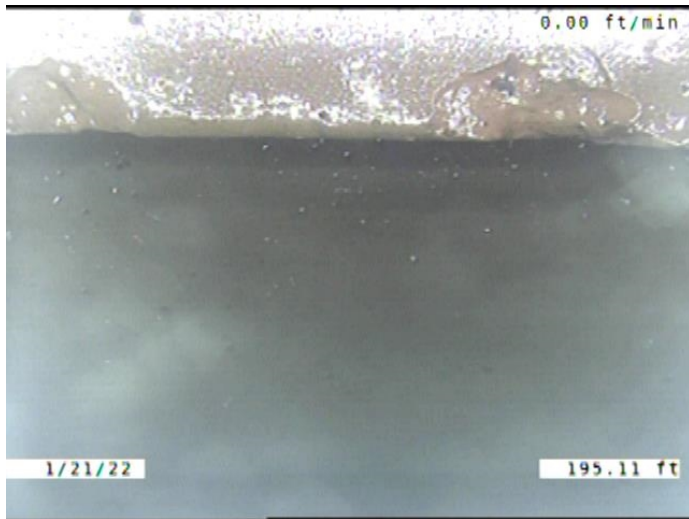
Code: **JOLD**
 Description: **Joint Offset Large Defective**

Distance (ft): **191.9**
 Structural Grade: **4**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks: **SOIL VISIBLE**



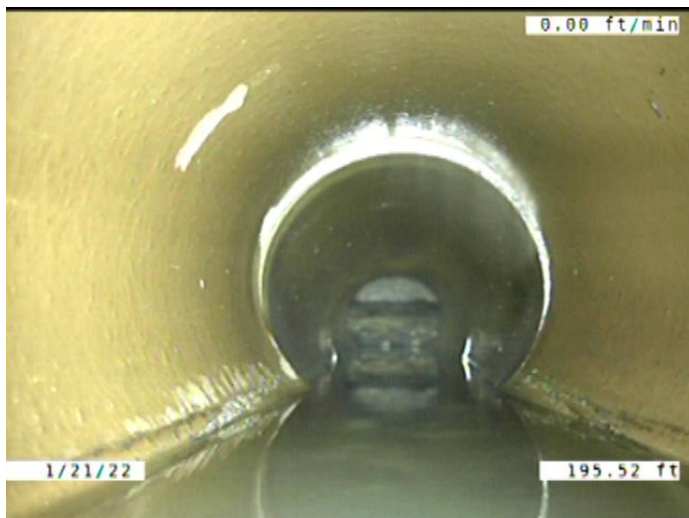
Code: **MCU**
 Description: **Miscellaneous Camera Underwater**

Distance (ft): **194.9**
 Structural Grade: **0**
 O&M Grade: **4**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks: **Out at 195.5**



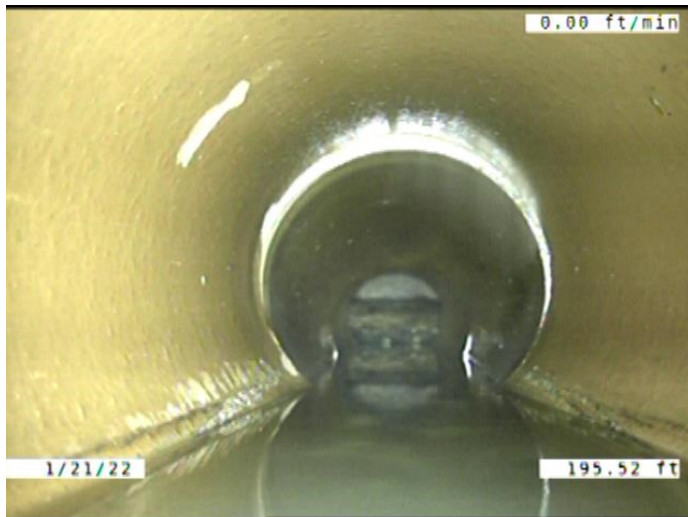
Code: **JOLD**
Description: **Joint Offset Large Defective**

Distance (ft): **195.1**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks: **SOIL VISIBLE**



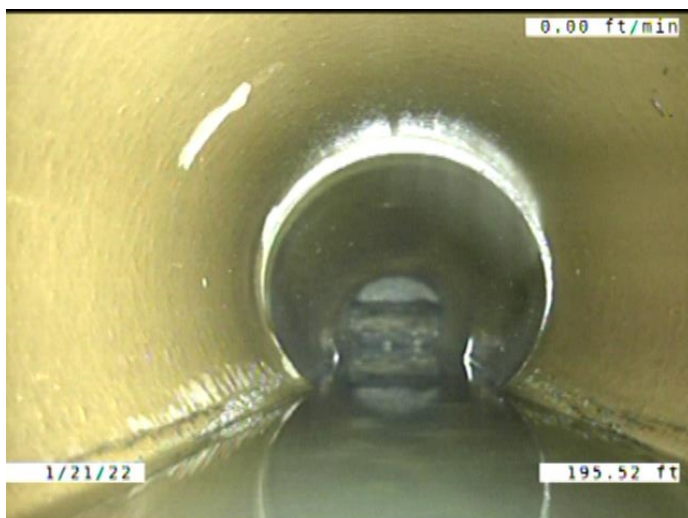
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **195.5**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **50.000**
Continuous Index: **F07**
Within 8" of Joint: **NO**
Remarks:



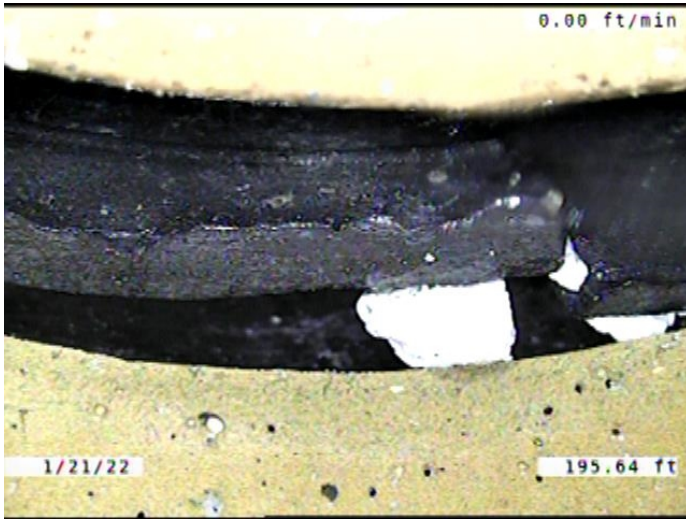
Code: **DAE**
Description: **Deposits Attached Encrustation**

Distance (ft): **195.5**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **7**
Clock To: **5**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **F03**
Within 8" of Joint: **YES**
Remarks:



Code: **DSF**
Description: **Deposits Settled Fine**

Distance (ft): **195.5**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **5**
Clock To: **7**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **F04**
Within 8" of Joint: **YES**
Remarks:



| | |
|---------------------|---|
| Code: | MSA |
| Description: | Miscellaneous Survey Abandoned |
| Distance (ft): | 195.6 |
| 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: | CAMERA CANT MAKE IT PAST OFFSET JOINT. |