

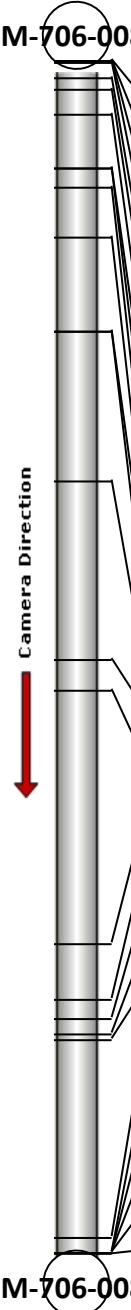
Profile/Photo Observation Report



| | | | | | |
|-------------------|--------------------------------|-------------|-----------------------|------------|--------------------------|
| Date: | 02/23/2022 | Weather: | | Coding: | PACP 7.0 |
| Pipe Length (ft): | 368.0 | Owner: | City of Hobart | Pre Clean: | Heavy Cleaning |
| P.O.#: | YES502259 | Surveyor: | S. Bucklin | PSR: | P-706-008.5-008.4 |
| Customer: | City of Hobart, IN (Red | Clean Date: | 02/18/2022 | Shape: | C |

| | | | |
|-------------------|-----------------------------|-----------------------------|-----------------------|
| Street: | South Linda Street | Flow Control: | Not Controlled |
| City: | Hobart, IN | Year Renewed: | |
| Location: | Alley | Tape/Media #: | |
| Purpose: | Routine Assessment | Dia/Height: | 6" |
| Use: | Sanitary Sewage Pipe | Material: | VCP |
| Drain Area: | | Lining: | None |
| Category: | NA | | |
| Comment: | | | |
| Location Details: | | Direction of Survey: | Upstream |
| US MH: | M-706-008.4 | DS MH: | M-706-008.5 |
| | | Total Length Surveyed (ft): | 128.8 |

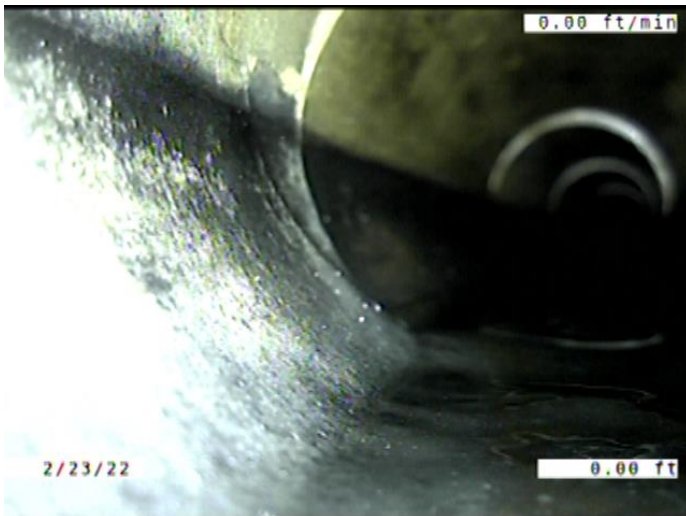
| | | | | | |
|-------------------|-------------|-------------------|-------------|--------------------|---------------|
| O&M Index: | 2.73 | O&M Quick: | 4431 | O&M Rating: | 30.00 |
| Structural Index: | 3.19 | Structural Quick: | 5345 | Structural Rating: | 182.00 |
| Overall Index: | 3.12 | Overall Quick: | 5349 | Overall Rating: | 212.00 |

| | Position | Code | Observation | Video (sec) | Grade |
|--|----------|-----------|-----------------------------------|-------------|-------|
| M-706-008.5 | | | | | |
|  | .0 | AMH | Manhole | 11 | NA |
| | .0 | MWL | Miscellaneous Water Level | 88 | NA |
| | .0 | MGO | Miscellaneous General Observation | 96 | NA |
| | .2 | B | Broken | 136 | S 4 |
| | 1.8 | JOM(S01) | Joint Offset Medium | 202 | S 3 |
| | 4.0 | B | Broken | 293 | S 4 |
| | 5.8 | B | Broken | 377 | S 4 |
| | 11.6 | BSV | Broken Soil Visible | 509 | S 5 |
| | 11.6 | SMW | Surface Damage Missing Wall | 546 | S 5 |
| | 13.7 | FM | Fracture Multiple | 615 | S 4 |
| | 19.0 | MWLS(S03) | Miscellaneous Water Level Sag | 675 | S 3 |
| | 30.0 | FM | Fracture Multiple | 785 | S 4 |
| | 30.1 | SMW | Surface Damage Missing Wall | 793 | S 5 |
| | 45.4 | CM | Crack Multiple | 908 | S 3 |
| | 65.6 | CM | Crack Multiple | 1158 | S 3 |
| | 68.0 | OBZ | Obstruction Other | 1205 | M 3 |
| | 95.5 | MCU | Miscellaneous Camera Underwater | 1891 | M 4 |
| | 101.5 | MCU | Miscellaneous Camera Underwater | 2037 | M 4 |
| | 103.6 | MCU | Miscellaneous Camera Underwater | 2092 | M 4 |
| | 105.2 | DAE(S04) | Deposits Attached Encrustation | 2135 | M 2 |
| | 105.8 | MCU | Miscellaneous Camera Underwater | 2158 | M 4 |
| | 127.1 | RFJ | Roots Fine Joint | 2493 | M 1 |
| | 128.8 | TF | Tap Factory | 2527 | NA |
| | 128.8 | JOM(F01) | Joint Offset Medium | 2560 | S 3 |
| | 128.8 | MWLS(F03) | Miscellaneous Water Level Sag | 2588 | S 3 |
| | 128.8 | DAE(F04) | Deposits Attached Encrustation | 2597 | M 2 |
| | 128.8 | MSA | Miscellaneous Survey Abandoned | 2606 | NA |
| M-706-008.4 | | | | | |



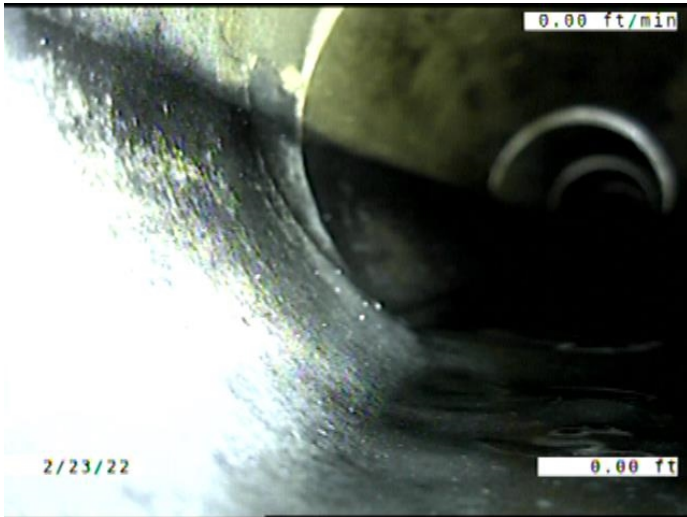
Code: **AMH**
Description: **Manhole**

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-706-008.5**



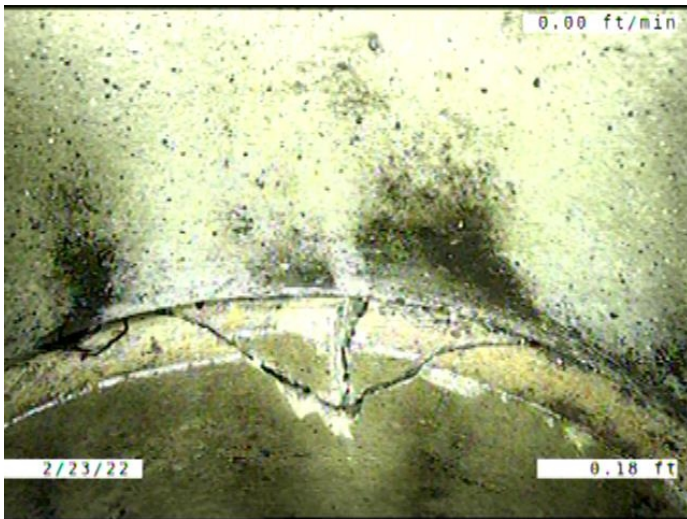
Code: **MWL**
Description: **Miscellaneous Water Level**

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:



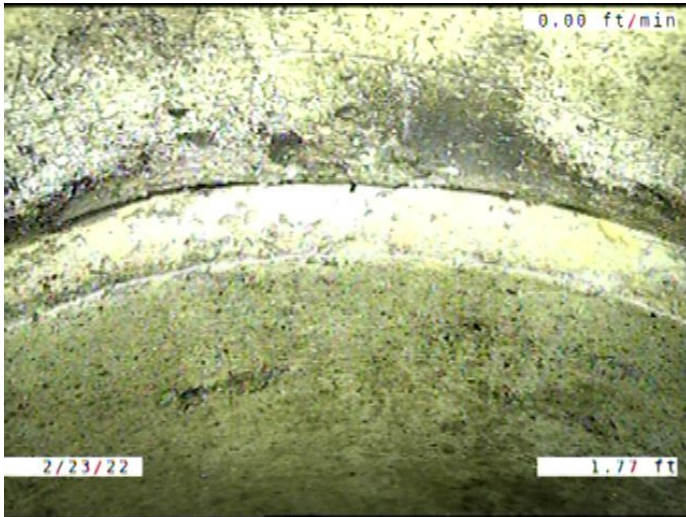
Code: **MGO**
 Description: **Miscellaneous General Observation**

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: **HAD TO USE THE VAC TRUCK TO LOWER THE WATER LEVEL FOR AN I**



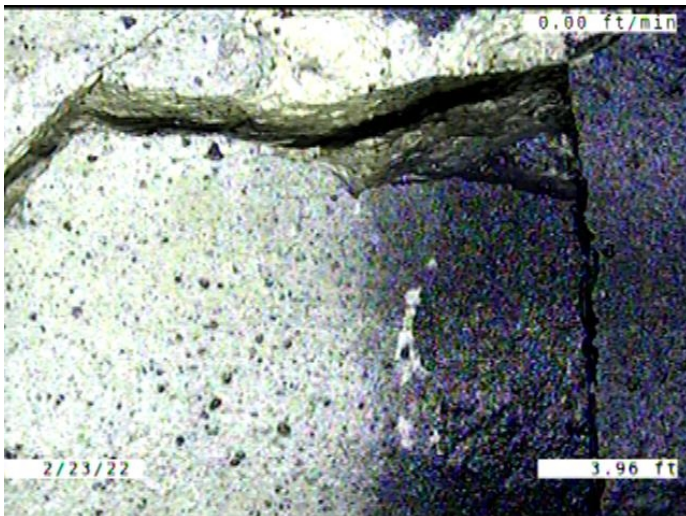
Code: **B**
 Description: **Broken**

Distance (ft): **.2**
 Structural Grade: **4**
 O&M Grade: **0**
 Clock Start/From: **11**
 Clock To: **1**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



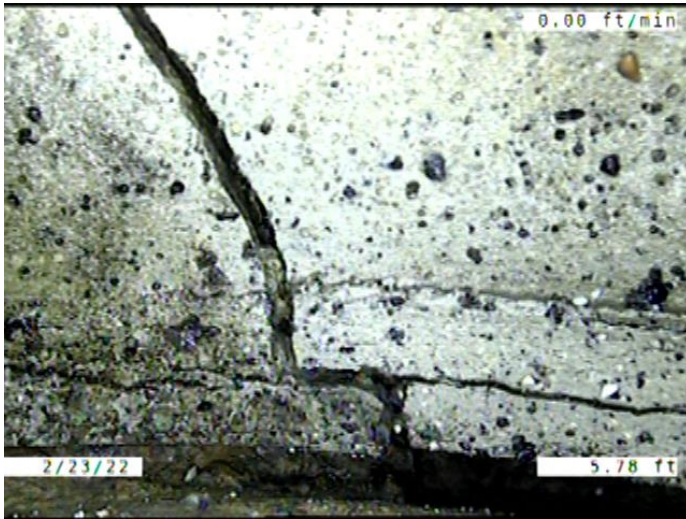
Code: **JOM**
 Description: **Joint Offset Medium**

Distance (ft): **1.8**
 Structural Grade: **3**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index: **S01**
 Within 8" of Joint: **NO**
 Remarks:



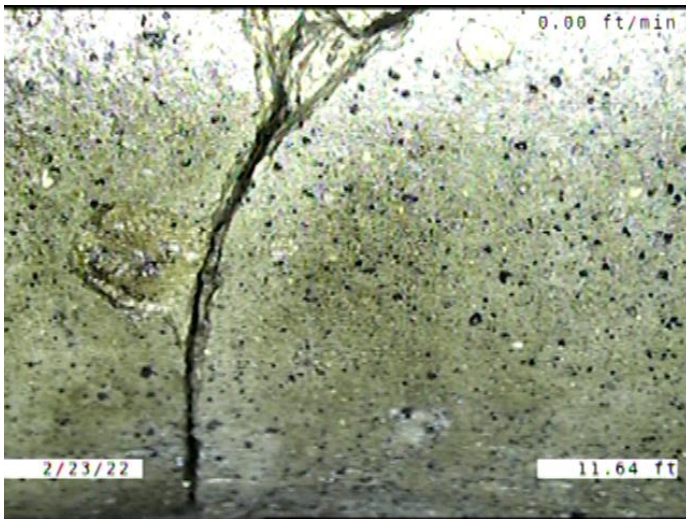
Code: **B**
 Description: **Broken**

Distance (ft): **4.0**
 Structural Grade: **4**
 O&M Grade: **0**
 Clock Start/From: **2**
 Clock To: **9**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



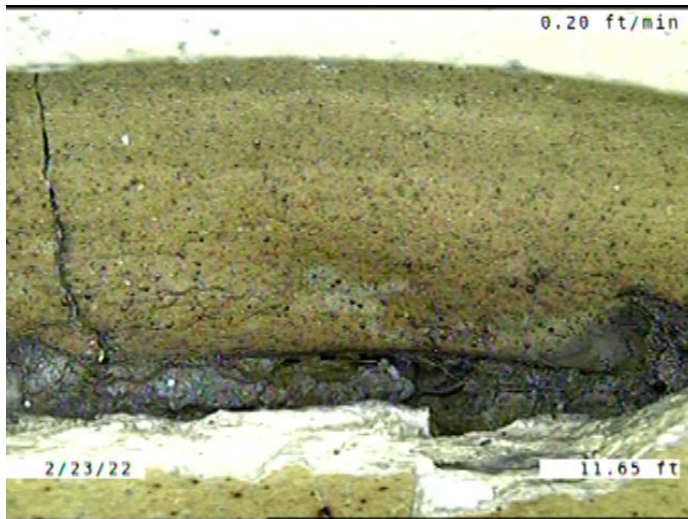
Code: **B**
Description: **Broken**

Distance (ft): **5.8**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **12**
Clock To: **12**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



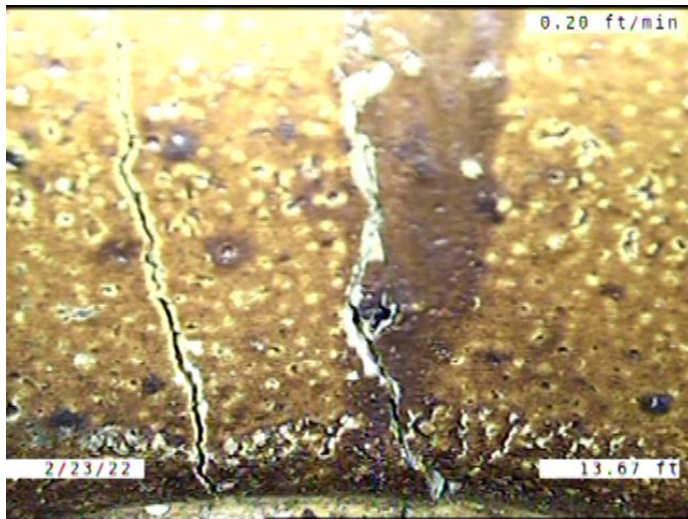
Code: **BSV**
Description: **Broken Soil Visible**

Distance (ft): **11.6**
Structural Grade: **5**
O&M Grade: **0**
Clock Start/From: **12**
Clock To: **12**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



Code: **SMW**
 Description: **Surface Damage Missing Wall**

Distance (ft): **11.6**
 Structural Grade: **5**
 O&M Grade: **0**
 Clock Start/From: **1**
 Clock To: **3**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



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

Distance (ft): **13.7**
 Structural Grade: **4**
 O&M Grade: **0**
 Clock Start/From: **12**
 Clock To: **12**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



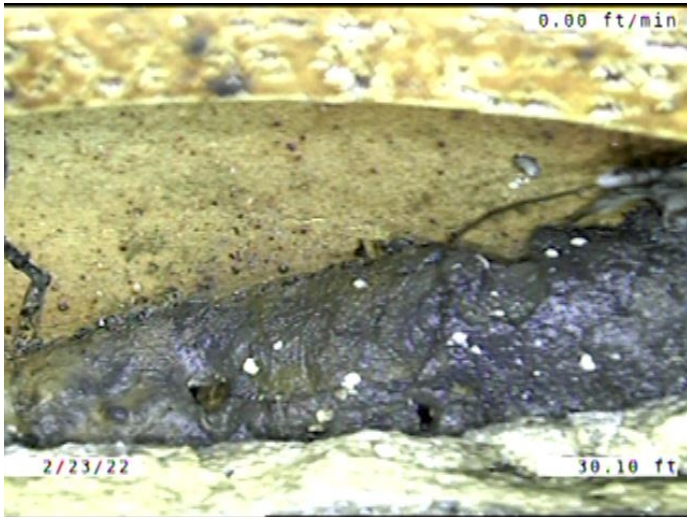
Code: **MWLS**
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **19.0**
 Structural Grade: **3**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **50.000**
 Continuous Index: **S03**
 Within 8" of Joint: **NO**
 Remarks:



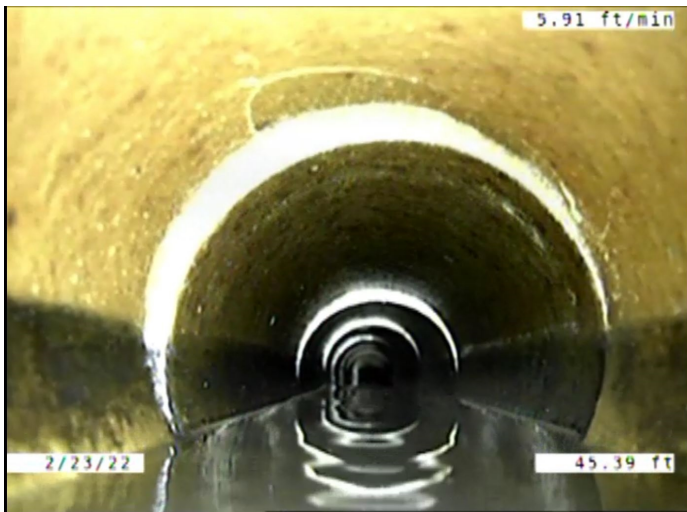
Code: **FM**
 Description: **Fracture Multiple**

Distance (ft): **30.0**
 Structural Grade: **4**
 O&M Grade: **0**
 Clock Start/From: **11**
 Clock To: **3**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



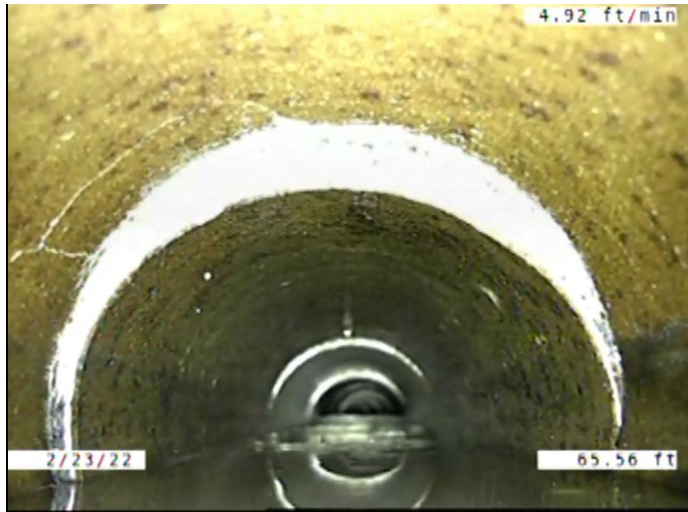
Code: **SMW**
 Description: **Surface Damage Missing Wall**

Distance (ft): **30.1**
 Structural Grade: **5**
 O&M Grade: **0**
 Clock Start/From: **11**
 Clock To: **3**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



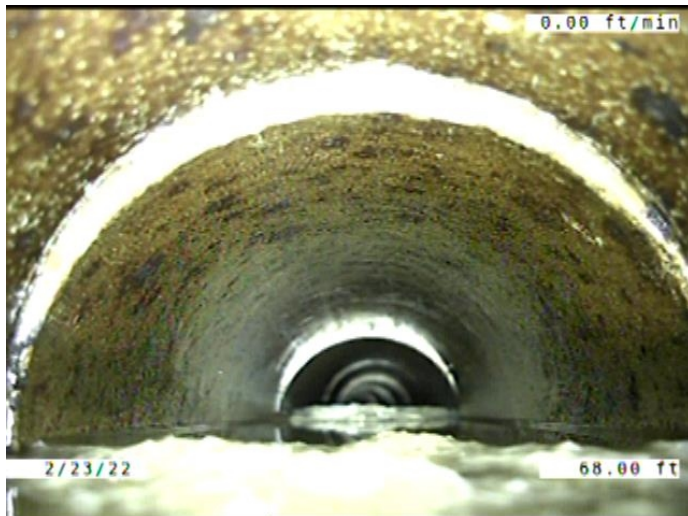
Code: **CM**
 Description: **Crack Multiple**

Distance (ft): **45.4**
 Structural Grade: **3**
 O&M Grade: **0**
 Clock Start/From: **11**
 Clock To: **3**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



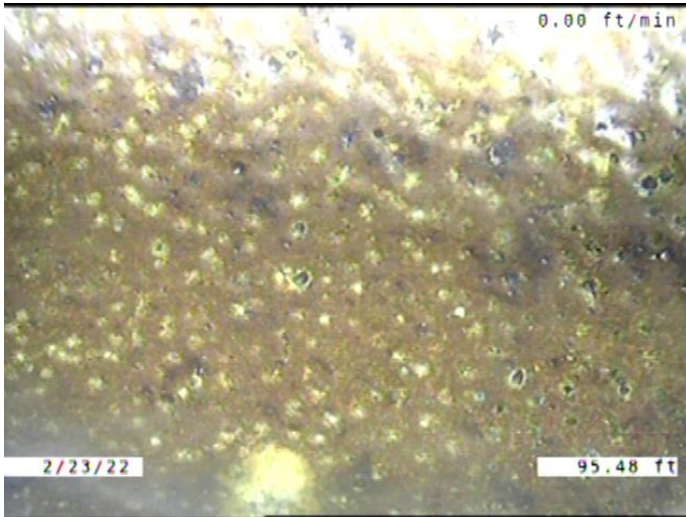
Code: **CM**
Description: **Crack Multiple**

Distance (ft): **65.6**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From: **10**
Clock To: **12**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

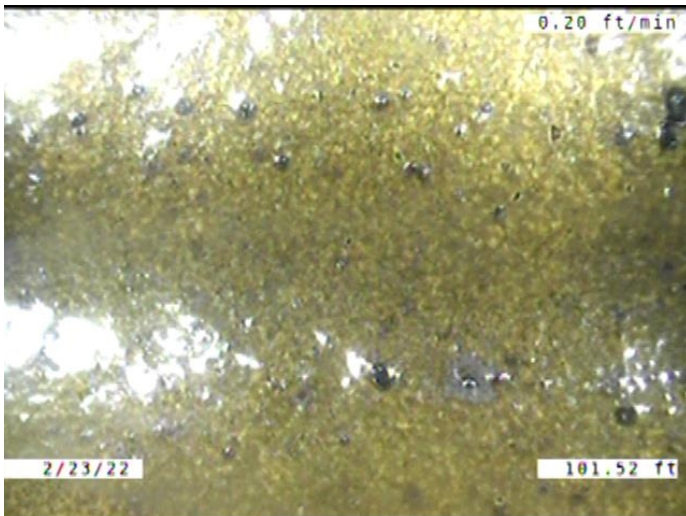


Code: **OBZ**
Description: **Obstruction Other**

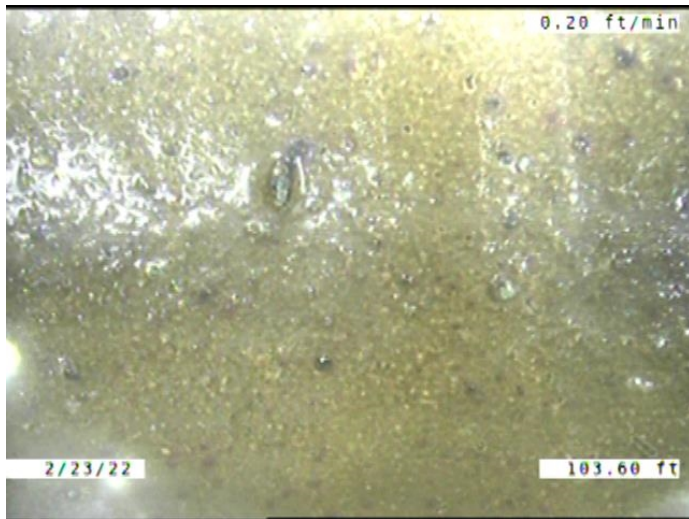
Distance (ft): **68.0**
Structural Grade: **0**
O&M Grade: **3**
Clock Start/From: **3**
Clock To: **9**
1st Value:
2nd Value:
Value Percent: **15.000**
Continuous Index:
Within 8" of Joint: **YES**
Remarks: **TP AND RAG LOGS**



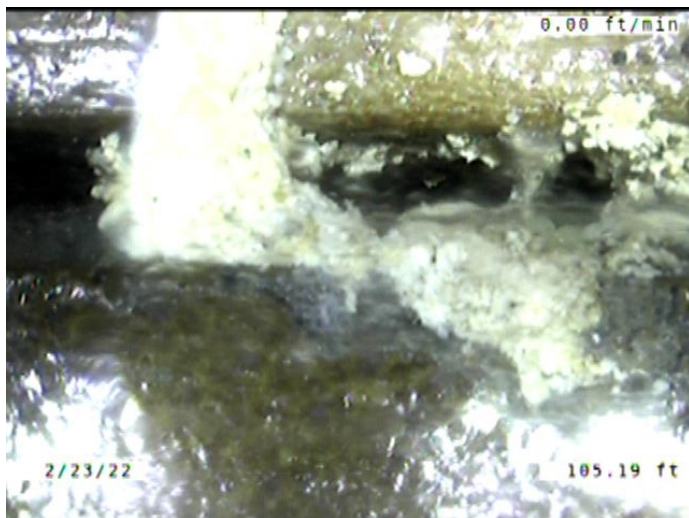
| | |
|---------------------|--|
| Code: | MCU |
| Description: | Miscellaneous Camera Underwater |
| Distance (ft): | 95.5 |
| Structural Grade: | 0 |
| O&M Grade: | 4 |
| Clock Start/From: | |
| Clock To: | |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | |
| Continuous Index: | |
| Within 8" of Joint: | NO |
| Remarks: | |



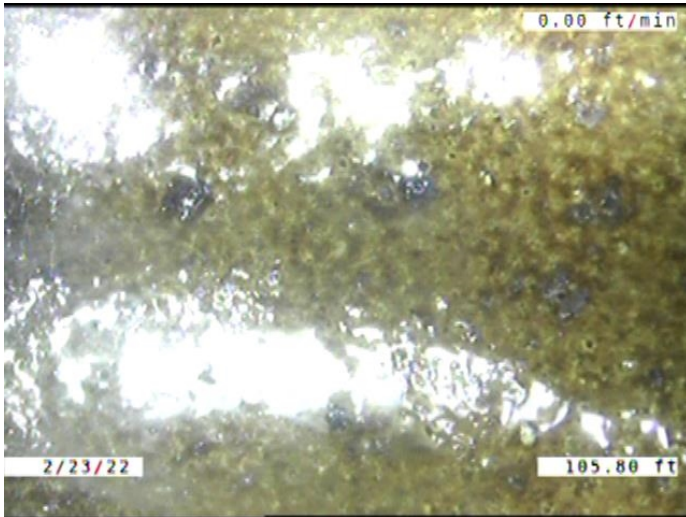
| | |
|---------------------|--|
| Code: | MCU |
| Description: | Miscellaneous Camera Underwater |
| Distance (ft): | 101.5 |
| Structural Grade: | 0 |
| O&M Grade: | 4 |
| Clock Start/From: | |
| Clock To: | |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | |
| Continuous Index: | |
| Within 8" of Joint: | NO |
| Remarks: | |



| | |
|---------------------|--|
| Code: | MCU |
| Description: | Miscellaneous Camera Underwater |
| Distance (ft): | 103.6 |
| 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: | |

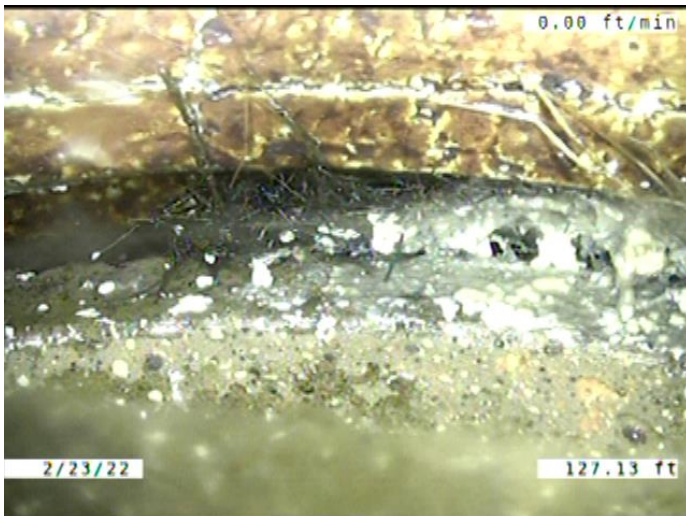


| | |
|---------------------|---------------------------------------|
| Code: | DAE |
| Description: | Deposits Attached Encrustation |
| Distance (ft): | 105.2 |
| Structural Grade: | 0 |
| O&M Grade: | 2 |
| Clock Start/From: | 11 |
| Clock To: | 1 |
| 1st Value: | |
| 2nd Value: | |
| Value Percent: | 5.000 |
| Continuous Index: | S04 |
| Within 8" of Joint: | YES |
| Remarks: | |



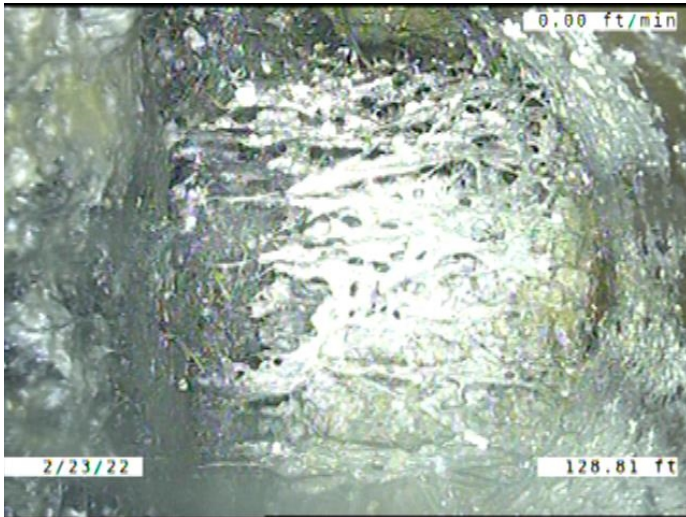
Code: **MCU**
 Description: **Miscellaneous Camera Underwater**

Distance (ft): **105.8**
 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:



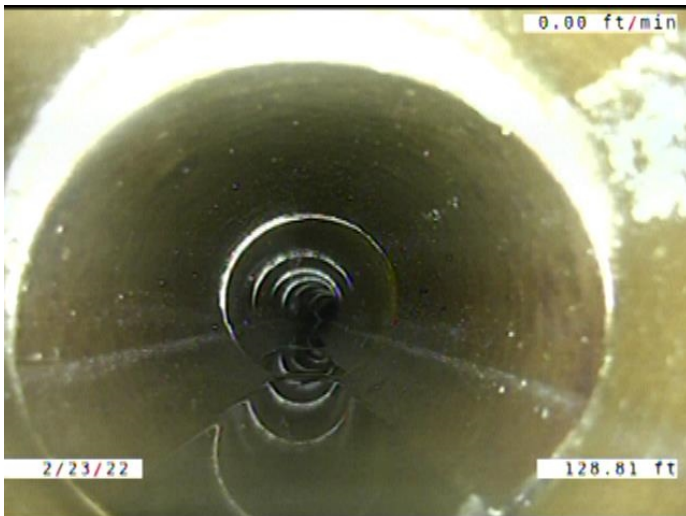
Code: **RFJ**
 Description: **Roots Fine Joint**

Distance (ft): **127.1**
 Structural Grade: **0**
 O&M Grade: **1**
 Clock Start/From: **10**
 Clock To: **2**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



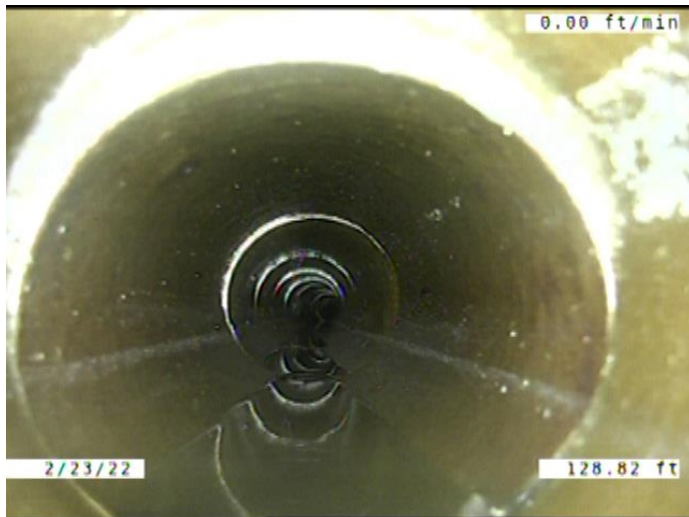
Code: **TF**
 Description: **Tap Factory**

Distance (ft): **128.8**
 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: **LOOKS TO BE 95% PLUGGED WITH ROOTS**



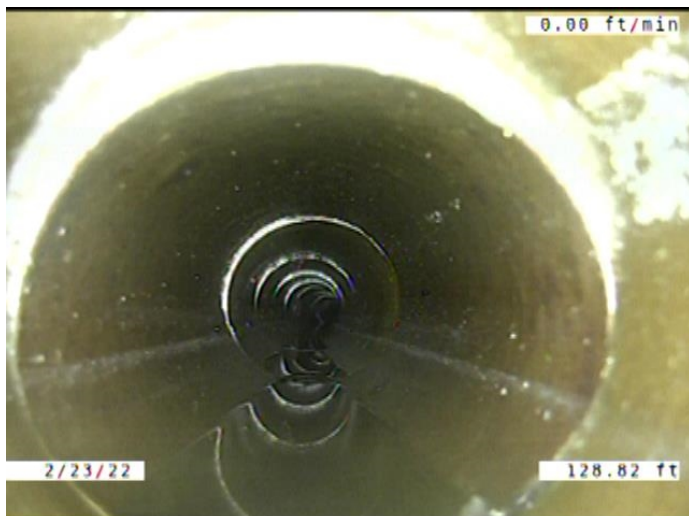
Code: **JOM**
 Description: **Joint Offset Medium**

Distance (ft): **128.8**
 Structural Grade: **3**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index: **F01**
 Within 8" of Joint: **NO**
 Remarks:



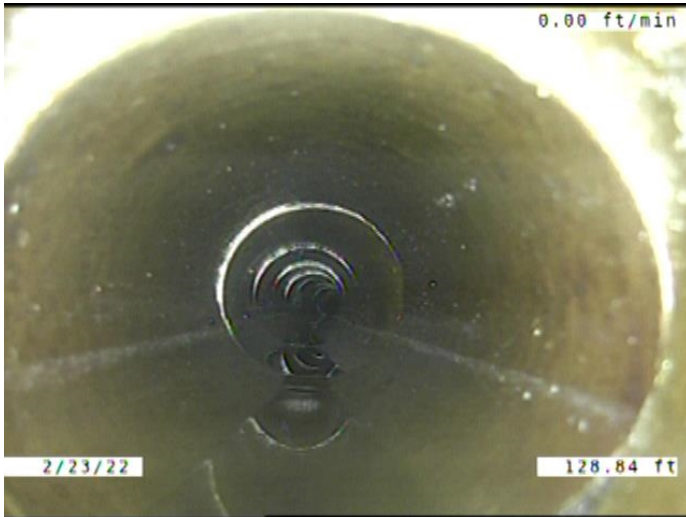
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **128.8**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **50.000**
Continuous Index: **F03**
Within 8" of Joint: **NO**
Remarks:



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

Distance (ft): **128.8**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **11**
Clock To: **1**
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):

128.8

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:

**MADE IT TO THE POINT OF OVERLAP.
REVERSAL COMPLETE.**