Profile/Photo Observation Report



Date: 11/09/2021 **PACP 7.0** Weather: Coding: Pipe Length (ft): 212.4 Owner: Pre Clean: **Heavy Cleaning City of Hobart** P.O.#: Surveyor: P-605-040-039 YES502259 Steven Bucklin PSR:

Customer: City of Hobart, IN (Red Clean Date: 11/09/2021 Shape: C

Street: South Pennsylvania Street Flow Control: Not Controlled

City: City of Hobart Year Renewed:
Location: Local rural streets with light traffic, t Tape/Media #:

Purpose:Routine AssessmentDia/Height:12"Use:Sanitary Sewage PipeMaterial:VCPDrain Area:Lining:None

Category: NA

Comment:

Location Details: Direction of Survey: **Downstream**

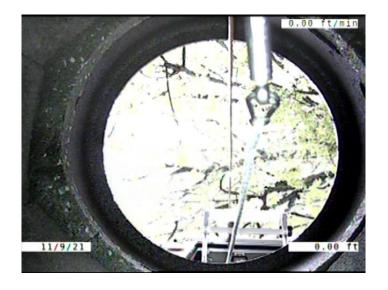
US MH: M-605-039 DS MH: M-605-040 Total Length Surveyed (ft): 212.4

372A 46.00 2.19 O&M Index: O&M Quick: O&M Rating: 3.21 260.00 Structural Rating: Structural Index: Structural Quick: 3.00 306.00 Overall Index: Overall Quick: Overall Rating:

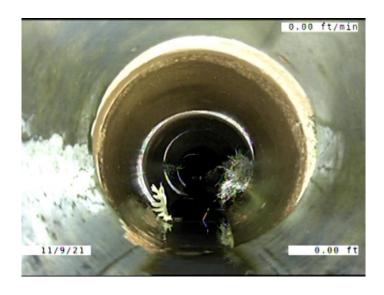
| | Position | Code | Observation | Video (sec) | Grade |
|-----------|-----------|----------|---------------------------|-------------|-------|
| 605- | 039 | | | | |
| \forall | 0. | AMH | Manhole | 1 | NA |
| н | 0. | MWL | Miscellaneous Water Level | 77 | NA |
| ш | .7 | RFJ | Roots Fine Joint | 144 | M 1 |
| н | ¬\\\\\.7 | FM(S03) | Fracture Multiple | 192 | S 4 |
| ш | 1.9 | SZ | Surface Damage Other | 219 | NA |
| ш | 2.5 | RMJ(S01) | Roots Medium Joint | 260 | M 3 |
| | 4.9 | JSL | Joint Separated Large | 347 | S 4 |
| ш | 6.3 | DSF | Deposits Settled Fine | 389 | M 2 |
| ш | 15.6 | DR(S02) | Deformed Rigid | 538 | S 4 |
| ш | 28.8 | RMJ(F01) | Roots Medium Joint | 641 | M 3 |
| | 7 28.8 | DR(F02) | Deformed Rigid | 649 | S 4 |
| ш | 30.6 | TFD | Tap Factory Defective | 676 | M 3 |
| ш | 30.6 | SZ | Surface Damage Other | 691 | NA |
| | ן 33.4 | FM(F03) | Fracture Multiple | 709 | S 4 |
| ш | 40.6 | TFD | Tap Factory Defective | 756 | M 3 |
| ш | 47.8 | FM(S04) | Fracture Multiple | 808 | S 4 |
| | 52.1 | ISJ | Infiltration Stain Joint | 854 | M 1 |
| | 62.5 | В | Broken | 929 | S 4 |
| | ¬ \ 78.7 | TF | Tap Factory | 1014 | NA |

| 86.2 | MWLS(S05) | Miscellaneous Water Level Sag | 1073 | S 2 |
|-------|-----------|---------------------------------|------|-----|
| 96.5 | ISB | Infiltration Stain Barrel | 1151 | M 1 |
| 135.2 | MWLS(S06) | Miscellaneous Water Level Sag | 1368 | S 2 |
| 150.7 | SSS | Surface Damage Surface Spalling | 1568 | S 2 |
| 150.9 | TBI | Tap Break-in Intruding | 1590 | M 2 |
| 152.5 | SSS | Surface Damage Surface Spalling | 1625 | S 2 |
| 152.8 | ТВІ | Tap Break-in Intruding | 1648 | M 2 |
| 152.8 | MWLS(F05) | Miscellaneous Water Level Sag | 1668 | S 2 |
| 168.7 | В | Broken | 1760 | S 4 |
| 176.6 | DAE | Deposits Attached Encrustation | 1852 | M 2 |
| 177.3 | В | Broken | 1877 | S 4 |
| 179.4 | В | Broken | 1895 | S 4 |
| 182.8 | DAE | Deposits Attached Encrustation | 1942 | M 2 |
| 186.7 | DAE | Deposits Attached Encrustation | 2020 | M 2 |
| 190.8 | SSS | Surface Damage Surface Spalling | 2064 | S 2 |
| 194.9 | DAE | Deposits Attached Encrustation | 2126 | M 2 |
| 197.0 | DAE | Deposits Attached Encrustation | 2199 | M 2 |
| 197.6 | SSS | Surface Damage Surface Spalling | 2220 | S 2 |
| 197.9 | ТВІ | Tap Break-in Intruding | 2248 | M 2 |
| 200.1 | TFC | Tap Factory Capped | 2286 | NA |
| 201.1 | В | Broken | 2322 | S 4 |
| 201.8 | TBI | Tap Break-in Intruding | 2345 | M 2 |
| 205.0 | DAE | Deposits Attached Encrustation | 2393 | M 2 |
| 210.4 | FM(F04) | Fracture Multiple | 2449 | S 4 |
| 210.4 | MWLS(F06) | Miscellaneous Water Level Sag | 2459 | S 2 |
| 212.4 | АМН | Manhole | 2544 | NA |
| _ | | | | |

M(605)040



| AMH | | |
|-----------|--|--|
| Manhole | | |
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| .0 | | |
| 0 | | |
| 0 | | |
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| | | |
| | | |
| | | |
| NO | | |
| M-605-039 | | |
| | | |



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: RFJ

Description: Roots Fine Joint

Distance (ft): .7
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 3
Clock To: 4
1st Value:

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES



Code: FM
Description: Fracture Multiple

Distance (ft): .7
Structural Grade: 4

O&M Grade: 0

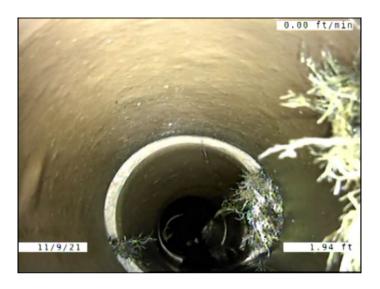
Clock Start/From: 12

Clock To: 12

1st Value: 2nd Value: Value Percent:

Continuous Index: **S03**Within 8" of Joint: **YES**

Remarks:



Code: SZ

Description: Surface Damage Other

Distance (ft): 1.9
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 10

Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: NO

Remarks: Indentation, Factory Defect



Code: RMJ

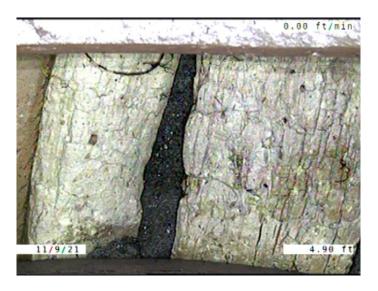
Description: Roots Medium Joint

Distance (ft): 2.5
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 8
Clock To: 4

1st Value: 2nd Value:

Value Percent: 10.000
Continuous Index: S01
Within 8" of Joint: YES

Remarks:



Code: JSL

Description: Joint Separated Large

Distance (ft): 4.9
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: HAS BEEN BRICKED BACK

TOGETHER.



Code: **DSF**

Description: **Deposits Settled Fine**

Distance (ft): 6.3 Structural Grade: 0 2 O&M Grade: Clock Start/From: 5 Clock To: 7

1st Value: 2nd Value:

5.000 Value Percent:

Continuous Index:

Within 8" of Joint: YES

Remarks:

0.00 ft/min

DR Code:

Description: **Deformed Rigid**

15.6 Distance (ft): Structural Grade: 4 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

5.000 Value Percent: Continuous Index: **S02** Within 8" of Joint: NO

Remarks:

11/9/21



Code: RMJ

Description: Roots Medium Joint

Distance (ft): 28.8
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 8
Clock To: 4

1st Value: 2nd Value:

Value Percent: 10.000
Continuous Index: F01
Within 8" of Joint: YES

Remarks:



Code: DR

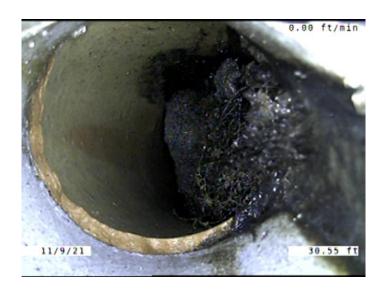
Description: Deformed Rigid

Distance (ft): 28.8
Structural Grade: 4
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 5.000
Continuous Index: F02
Within 8" of Joint: NO



Code: **TFD**

Description: Tap Factory Defective

Distance (ft): 30.6
Structural Grade: 0

O&M Grade: 3

Clock Start/From: 2

Clock To:

1st Value: **4.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: CRACKED. LOOKS TO BE 95%

PLUGGED



Code: SZ

Description: Surface Damage Other

Distance (ft): 30.6
Structural Grade: 0

O&M Grade: 0

Clock Start/From: 10

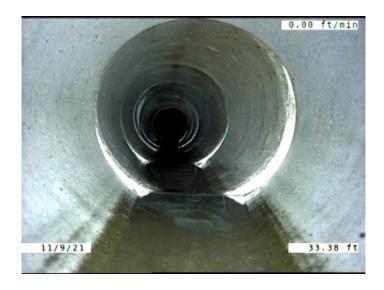
Clock To: 2

1st Value:

1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: NO

Remarks: Indentations. Factory defect.



Code: FM

Description: Fracture Multiple

Distance (ft): 33.4
Structural Grade: 4

O&M Grade: 0

Clock Start/From: 12

Clock To: 12

1st Value: 2nd Value: Value Percent:

Continuous Index: F03
Within 8" of Joint: YES

Remarks:



Code: **TFD**

Description: Tap Factory Defective

Distance (ft): 40.6
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 9

Clock To:

1st Value: **4.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: **OFFSET.**



Code: FM

Description: Fracture Multiple

Distance (ft): 47.8
Structural Grade: 4

O&M Grade: 0

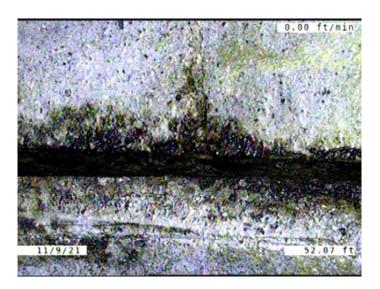
Clock Start/From: 12

Clock To: 12

1st Value: 2nd Value: Value Percent:

Continuous Index: **S04** Within 8" of Joint: **YES**

Remarks: Wandering



Code: ISJ

Description: Infiltration Stain Joint

Distance (ft): 52.1
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 2
Clock To: 5
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint: YES



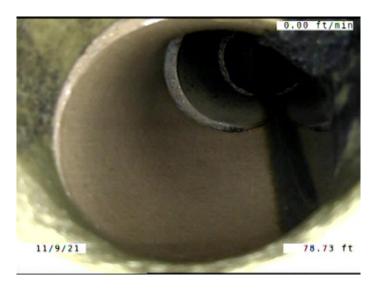
Code: B
Description: Broken

Distance (ft): 62.5
Structural Grade: 4
O&M Grade: 0
Clock Start/From: 8
Clock To: 12

1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: TF

Description: Tap Factory

Distance (ft): 78.7
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

Remarks: ROOTS GROWING IN THE TAP



Code: MWLS

Description: Miscellaneous Water Level Sag

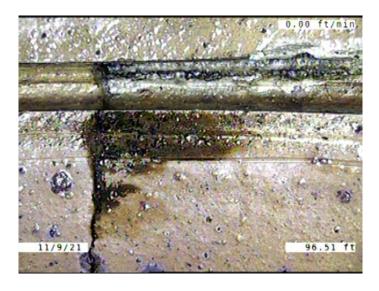
Distance (ft): 86.2
Structural Grade: 2
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 15.000
Continuous Index: S05
Within 8" of Joint: NO

Remarks:



Code: ISB

Description: Infiltration Stain Barrel

Distance (ft): 96.5
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 2
Clock To:
1st Value:
2nd Value:

Within 8" of Joint: YES

Remarks:

Value Percent: Continuous Index:



Code: MWLS

Description: Miscellaneous Water Level Sag

Distance (ft): 135.2
Structural Grade: 2
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 20.000
Continuous Index: S06
Within 8" of Joint: NO

Remarks:



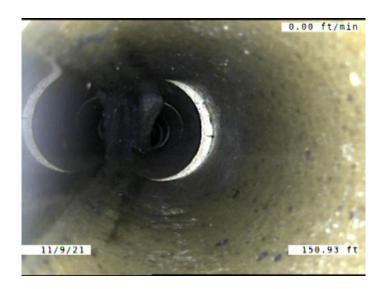
Code: SSS

Description: Surface Damage Surface Spalling

Distance (ft): 150.7
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 9
Clock To: 10
1st Value:
2nd Value:

Value Percent: Continuous Index:

Within 8" of Joint: NO



Code: TBI

Description: Tap Break-in Intruding

Distance (ft): 150.9
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 9

Clock To:

 1st Value:
 4.000

 2nd Value:
 2.000

Value Percent:

Continuous Index:

Within 8" of Joint:

Remarks:

YES

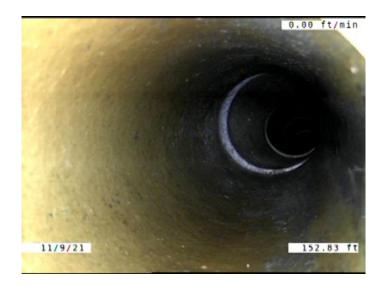


Code: SSS

Description: Surface Damage Surface Spalling

Distance (ft): 152.5
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 1
Clock To: 3
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint: NO



Code: TBI

Description: Tap Break-in Intruding

Distance (ft): 152.8
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 2

Clock To:

 1st Value:
 4.000

 2nd Value:
 2.000

Value Percent:

Continuous Index:

Within 8" of Joint:

Remarks:

YES

Code: MWLS

Description: Miscellaneous Water Level Sag

Distance (ft): 152.8
Structural Grade: 2

O&M Grade: **0**

Clock Start/From:

Clock To: 1st Value: 2nd Value:

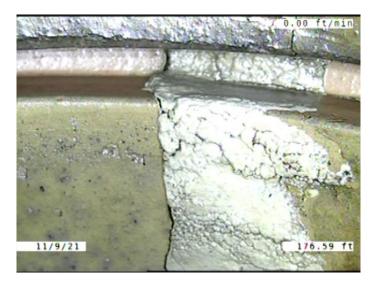
Value Percent: 15.000
Continuous Index: F05
Within 8" of Joint: NO



Code: B
Description: Broken

Distance (ft): 168.7 Structural Grade: 4 O&M Grade: 0 Clock Start/From: 10 Clock To: 1 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: YES

Remarks:



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 176.6
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 2
Clock To: 3
1st Value:
2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint: YES



Code: B
Description: Broken

Distance (ft): 177.3

Structural Grade: 4

O&M Grade: 0

Clock Start/From: 8

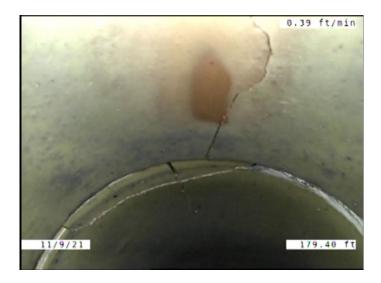
Clock To: 11

1st Value: 2

2nd Value: Value Percent: Continuous Index:

Remarks:

Within 8" of Joint:



Code: B
Description: Broken

YES

Distance (ft): 179.4 Structural Grade: 4 O&M Grade: 0 Clock Start/From: 10 Clock To: 12 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: YES



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 182.8
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 10
Clock To: 11

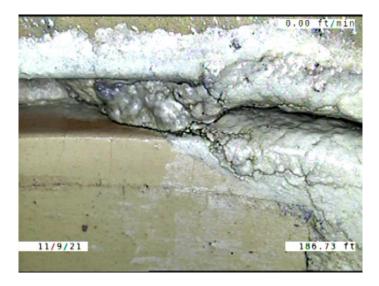
1st Value: 2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 186.7
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 9
Clock To: 3
1st Value:

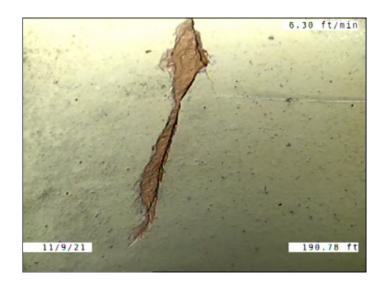
Value Percent: 5.000

Continuous Index:

Within 8" of Joint: YES

Remarks:

2nd Value:



Code: SSS

Description: Surface Damage Surface Spalling

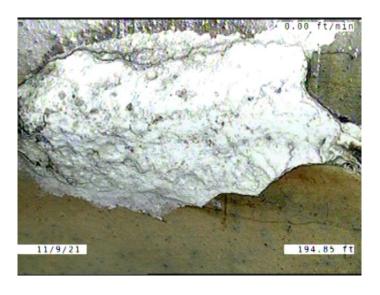
Distance (ft): 190.8
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 10

Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 194.9
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 9
Clock To: 3
1st Value:

Value Percent:

Continuous Index:

Within 8" of Joint:

Remarks:

2nd Value:

YES

5.000



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 197.0
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 3
Clock To: 4

1st Value:

2nd Value:

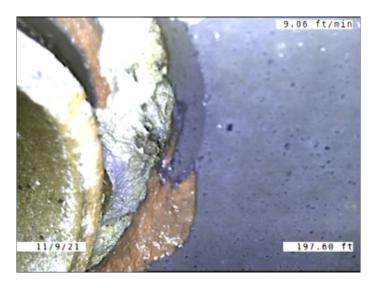
Value Percent: 5.000

Continuous Index:

Within 8" of Joint:

Remarks:

YES



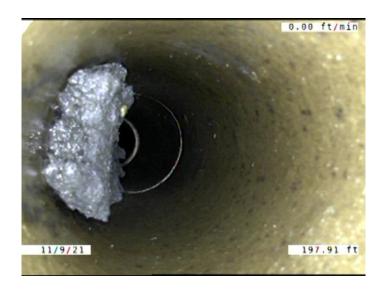
Code: SSS

Description: Surface Damage Surface Spalling

Distance (ft): 197.6
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 8
Clock To: 10
1st Value:
2nd Value:

Value Percent: Continuous Index:

Within 8" of Joint: NO



Code: **TBI**

Description: Tap Break-in Intruding

Distance (ft): 197.9
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 9

Clock To:

 1st Value:
 4.000

 2nd Value:
 1.000

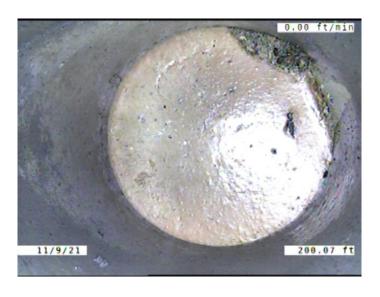
Value Percent:

Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: TFC

Description: Tap Factory Capped

Distance (ft): 200.1
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 1

Clock To:

1st Value: **4.000**

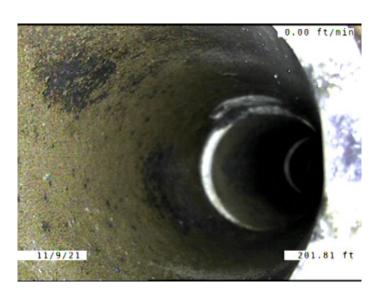
2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES



Code: B
Description: Broken

Distance (ft): 201.1 Structural Grade: 4 0 O&M Grade: Clock Start/From: 2 Clock To: 3 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: NO



Code: TBI

Remarks:

Description: Tap Break-in Intruding

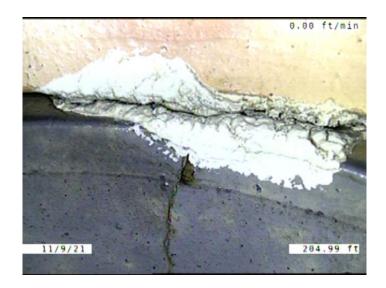
Distance (ft): 201.8
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 2
Clock To:

 1st Value:
 4.000

 2nd Value:
 1.000

Value Percent: Continuous Index:

Within 8" of Joint: YES



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 205.0
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 2
Clock To: 3

1st Value: 2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: FM

Description: Fracture Multiple

Distance (ft): 210.4
Structural Grade: 4
O&M Grade: 0
Clock Start/From: 12
Clock To: 12

1st Value: 2nd Value: Value Percent: Continuous Index:

Continuous Index: F04
Within 8" of Joint: YES

Remarks: Wandering



Code: MWLS

Description: Miscellaneous Water Level Sag

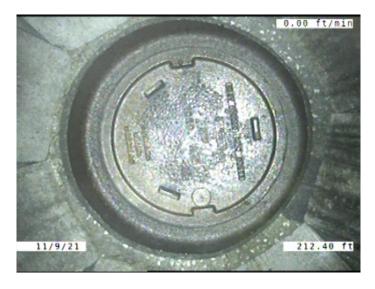
Distance (ft): 210.4
Structural Grade: 2
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 20.000
Continuous Index: F06
Within 8" of Joint: NO

Remarks:



Code: AMH
Description: Manhole

Distance (ft): 212.4
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: M-605-040