Profile/Photo Observation Report



Date: 10/24/2021 Weather: **PACP 7.0** Coding: Pipe Length (ft): 167.3 Owner: **City of Hobart** Pre Clean: **Heavy Cleaning** P.O.#: S. Bucklin PSR: P-404-008-007 YES502259 Surveyor:

Customer: City of Hobart Clean Date: 10/22/2021 Shape: C

Street: North Wabash Street Flow Control: Not Controlled

City: Hobart, IN Year Renewed: Location: Alley Tape/Media #:

Purpose:Routine AssessmentDia/Height:10"Use:Sanitary Sewage PipeMaterial:VCPDrain Area:Lining:None

Category: NA

Comment:

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

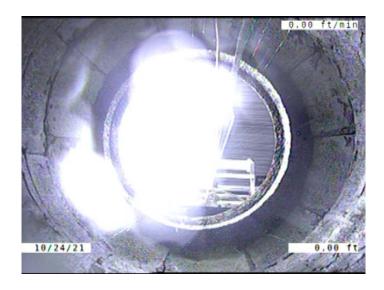
US MH: M-404-008 DS MH: M-404-007 Total Length Surveyed (ft): 167.3

2.13 85.00 O&M Index: O&M Quick: O&M Rating: 2.96 5148 83.00 Structural Quick: Structural Rating: Structural Index: 2.47 168.00 514A Overall Quick: Overall Rating: Overall Index:

| | Position | Code | Observation | Video (sec) | Grade |
|------------------|----------------------------------------|-----------|-------------------------------------|-------------|-------|
| M(404 | 9008 | | | | |
| | 0. | AMH | Manhole | 1 | NA |
| - 111 | $\sqrt{\frac{0}{0}}$ | MWL | Miscellaneous Water Level | 68 | NA |
| | 0.// | DSF(S01) | Deposits Settled Fine | 76 | M 2 |
| - | √\\ <u>5.0</u> | CM | Crack Multiple | 143 | S 3 |
| ш | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | OBM | Obstruction Pipe Material in Invert | 181 | M 2 |
| - 11 | 11.0 | FM | Fracture Multiple | 233 | S 4 |
| Ш | 16.4 | DSF(F01) | Deposits Settled Fine | 262 | M 2 |
| | 19.9 | CM | Crack Multiple | 328 | S 3 |
| - 11 | 23.2 | CL | Crack Longitudinal | 362 | S 2 |
| s | √ 24.2 | MWLS(S02) | Miscellaneous Water Level Sag | 380 | S 2 |
| Camera Direction | <u> </u> | DSF(S03) | Deposits Settled Fine | 390 | M 2 |
| ig | 26.0 | CM | Crack Multiple | 438 | S 3 |
| i i | 32.2 | CM | Crack Multiple | 523 | S 3 |
| يّ 🔛 | 37.6 | MWLS(F02) | Miscellaneous Water Level Sag | 566 | S 2 |
| ш | 38.2 | FM | Fracture Multiple | 595 | S 4 |
| Ш | 38.2 | SMW | Surface Damage Missing Wall | 616 | S 5 |
| 1 | 39.4 | ТВІ | Tap Break-in Intruding | 638 | M 2 |
| | 44.2 | FM | Fracture Multiple | 696 | S 4 |
| | 47.7 | В | Broken | 762 | S 4 |

| 1 | 48.2 | ТВІ | Tap Break-in Intruding | 786 | M 2 |
|--------------------------------------------------|-------|-----------|---------------------------------|------|-----|
| | 48.2 | IDC | Infiltration Dripper Connection | 797 | M 3 |
| | 56.5 | CM | Crack Multiple | 914 | S 3 |
| | 71.8 | SSS | Surface Damage Surface Spalling | 1017 | S 2 |
| ш | 95.8 | MWL | Miscellaneous Water Level | 1115 | NA |
| , | 104.6 | CM | Crack Multiple | 1209 | S 3 |
| | 109.2 | MWL | Miscellaneous Water Level | 1285 | NA |
| | 109.2 | MCU | Miscellaneous Camera Underwater | 1293 | M 4 |
| | 116.7 | В | Broken | 1489 | S 4 |
| | 116.7 | IRB | Infiltration Runner Barrel | 1500 | M 4 |
| | 117.3 | ТВІ | Tap Break-in Intruding | 1519 | M 2 |
| | 119.6 | SSS | Surface Damage Surface Spalling | 1559 | S 2 |
| | 119.6 | FM | Fracture Multiple | 1580 | S 4 |
| | 120.0 | TBI | Tap Break-in Intruding | 1595 | M 2 |
| | 122.7 | CL | Crack Longitudinal | 1638 | S 2 |
| \square | 125.6 | FM | Fracture Multiple | 1681 | S 4 |
| H | 128.4 | FL | Fracture Longitudinal | 1732 | S 3 |
| | 128.4 | MWL | Miscellaneous Water Level | 1744 | NA |
| | 131.9 | CL | Crack Longitudinal | 1781 | S 2 |
| ш | 141.0 | CL | Crack Longitudinal | 1842 | S 2 |
| $\square \angle$ | 141.0 | SSS | Surface Damage Surface Spalling | 1854 | S 2 |
| | 149.9 | MWLS(S04) | Miscellaneous Water Level Sag | 1918 | S 2 |
| | 152.9 | В | Broken | 1961 | S 4 |
| H' | 156.0 | MWLS(F04) | Miscellaneous Water Level Sag | 1989 | S 2 |
| | 164.6 | DAE | Deposits Attached Encrustation | 2036 | M 2 |
| \prod / | 165.0 | CM | Crack Multiple | 2062 | S 3 |
| | 166.2 | DSF(F03) | Deposits Settled Fine | 2086 | M 2 |
| | 167.3 | AMH | Manhole | 2150 | NA |

M(404)007



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-404-008



Code: MWL

Description: Miscellaneous Water Level

Distance (ft): .0
Structural Grade: 0
O&M Grade: 0

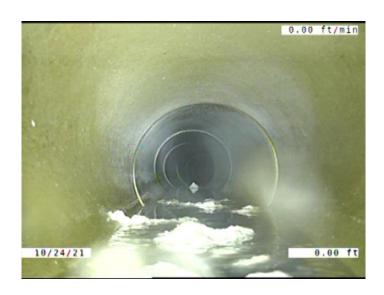
Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint: NO



Code: **DSF**

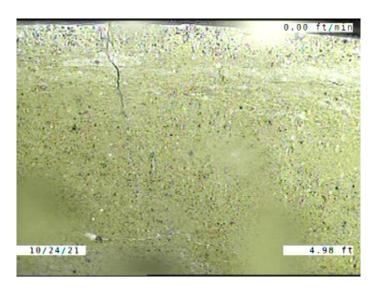
Description: Deposits Settled Fine

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:



Code: CM

Description: Crack Multiple

Distance (ft): 5.0
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 1
Clock To: 4
1st Value:
2nd Value:
Value Percent:

Within 8" of Joint: YES

Remarks:

Continuous Index:



Code: OBM

Description: Obstruction Pipe Material in Invert

Distance (ft): 6.7
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 5
Clock To: 7

1st Value: 2nd Value:

Value Percent:

t: **5.000**

Continuous Index:

Within 8" of Joint:

YES

Remarks:

Code: FM

Description: Fracture Multiple

Distance (ft): 11.0 Structural Grade: 4

Structural Grade: 4
O&M Grade: 0

Clock Start/From: 9

Clock To: 11

1st Value: 2nd Value:

Value Percent: Continuous Index:

Within 8" of Joint: YES



Code: **DSF**

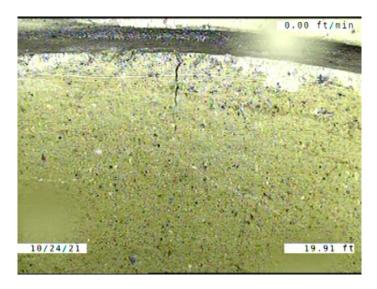
Description: **Deposits Settled Fine**

Distance (ft): 16.4 Structural Grade: 0 2 O&M Grade: Clock Start/From: 5 Clock To: 7

1st Value: 2nd Value:

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

Remarks:



CM Code:

Description: **Crack Multiple**

Distance (ft): 19.9 Structural Grade: 3 O&M Grade: 0 Clock Start/From: 10 2 Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint:



Code: CL

Description: **Crack Longitudinal**

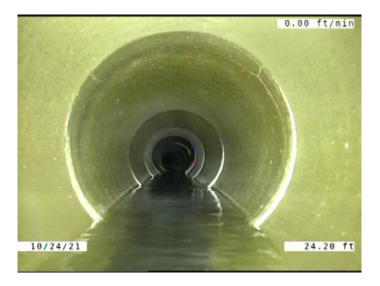
Distance (ft): 23.2 Structural Grade: 2 O&M Grade: 0 Clock Start/From: 2

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

Within 8" of Joint:

Remarks:

YES



MWLS Code:

Description: **Miscellaneous Water Level Sag**

Distance (ft): 24.2 Structural Grade: 2 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 10.000 Continuous Index: **S02** Within 8" of Joint: NO



Code: **DSF**

Description: Deposits Settled Fine

Distance (ft): 24.2
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 5
Clock To: 7

1st Value: 2nd Value:

Value Percent: 5.000
Continuous Index: S03
Within 8" of Joint: YES

Remarks:



Code: CM

Description: Crack Multiple

Distance (ft): 26.0
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 10
Clock To: 3
1st Value:
2nd Value:
Value Percent:

Within 8" of Joint: YES

Remarks:

Continuous Index:



Code: CM

Description: **Crack Multiple**

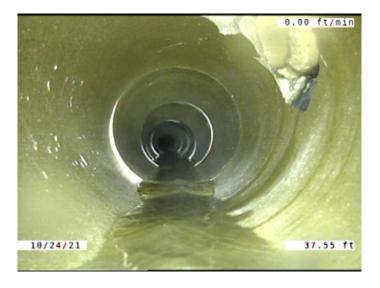
Distance (ft): 32.2 Structural Grade: 3 0 O&M Grade: Clock Start/From: 9 Clock To: 4

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

Within 8" of Joint:

Remarks:

YES



Code: **MWLS**

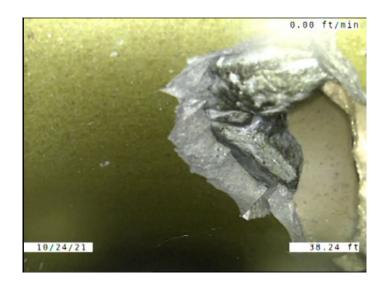
Description: **Miscellaneous Water Level Sag**

Distance (ft): 37.6 Structural Grade: 2 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

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



Code: FΜ

Description: **Fracture Multiple**

Distance (ft): 38.2 Structural Grade: 4 O&M Grade: 0 Clock Start/From: 12 Clock To: 2 1st Value: 2nd Value:

Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

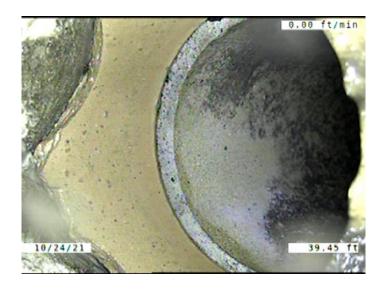


Code: **SMW**

Description: **Surface Damage Missing Wall**

YES

Distance (ft): 38.2 Structural Grade: 5 O&M Grade: 0 Clock Start/From: 11 3 Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: YES



Code: **TBI**

Description: Tap Break-in Intruding

Distance (ft): 39.4
Structural Grade: 0

O&M Grade: 2

Clock Start/From: 1

Clock To:

 1st Value:
 4.000

 2nd Value:
 1.000

Value Percent:

Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: FM

Description: Fracture Multiple

Distance (ft): 44.2
Structural Grade: 4

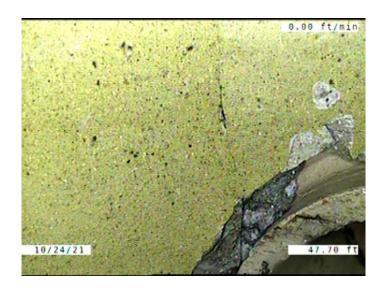
O&M Grade: 0

Clock Start/From: 9

Clock To: 3

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

Within 8" of Joint: YES



Code: B
Description: Broken

Distance (ft): 47.7 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



Code: TBI

Description: Tap Break-in Intruding

Distance (ft): 48.2
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 12

Clock To:

Remarks:

 1st Value:
 4.000

 2nd Value:
 1.000

Value Percent: Continuous Index:

Within 8" of Joint: YES



Code: IDC

Description: Infiltration Dripper Connection

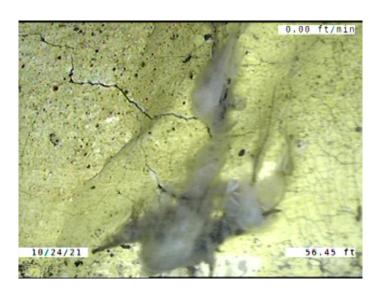
Distance (ft): 48.2
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 11
Clock To: 12

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

Within 8" of Joint:

Remarks:

YES



Code: CM

Description: Crack Multiple

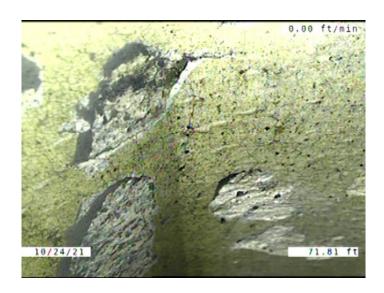
Distance (ft): 56.5
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 5
Clock To: 11
1st Value:

Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:

2nd Value:



Code: SSS

Description: Surface Damage Surface Spalling

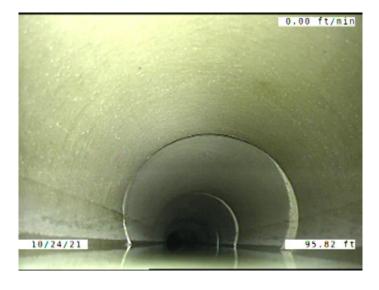
Distance (ft): 71.8
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 12
Clock To: 12

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

Within 8" of Joint:

Remarks:

YES



Code: MWL

Description: Miscellaneous Water Level

Distance (ft): 95.8
Structural Grade: 0

O&M Grade: 0

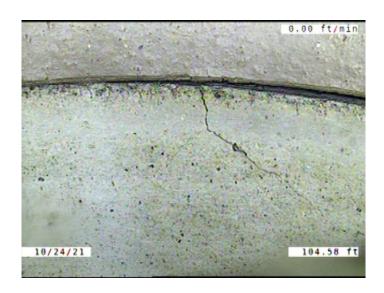
Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 15.000

Continuous Index:

Within 8" of Joint: NO



Code: CM

Description: Crack Multiple

Distance (ft): 104.6
Structural Grade: 3

O&M Grade: 0
Clock Start/From: 11

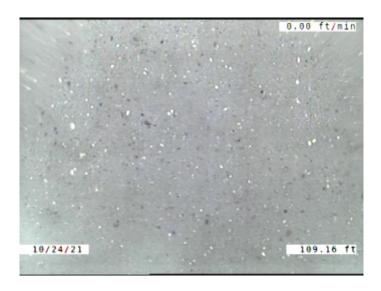
Clock To: 2
1st Value:
2nd Value:

Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: MWL

Description: Miscellaneous Water Level

Distance (ft): 109.2
Structural Grade: 0

O&M Grade: 0

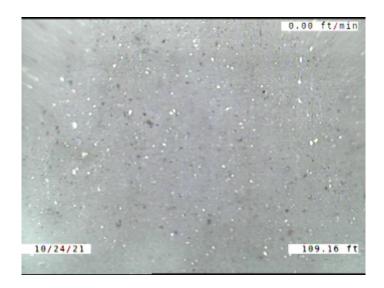
Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 35.000

Continuous Index:

Within 8" of Joint: NO



Code: MCU

Description: Miscellaneous Camera Underwater

Distance (ft): 109.2
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: Section retelevised from 97ft



Code: B

Description: Broken

Distance (ft): 116.7
Structural Grade: 4

O&M Grade: 0

Clock Start/From: 9

Clock To: 2

1st Value: 2

2nd Value:

Value Percent:
Continuous Index:

Within 8" of Joint: YES



Code: IRB

Description: Infiltration Runner Barrel

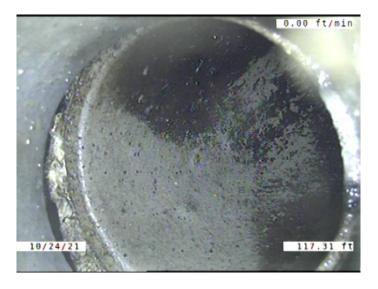
Distance (ft): 116.7
Structural Grade: 0
O&M Grade: 4
Clock Start/From: 12
Clock To: 2

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

Within 8" of Joint:

Remarks:

YES



Code: TBI

Description: Tap Break-in Intruding

YES

Distance (ft): 117.3
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 1

Clock To:

 1st Value:
 4.000

 2nd Value:
 2.000

Value Percent: Continuous Index:

Within 8" of Joint:



Code: SSS

Description: Surface Damage Surface Spalling

Distance (ft): 119.6
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 9
Clock To: 1

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

Within 8" of Joint:

Remarks:

NO



Code: FM

Description: Fracture Multiple

Distance (ft): 119.6
Structural Grade: 4

O&M Grade: 0

Clock Start/From: 9

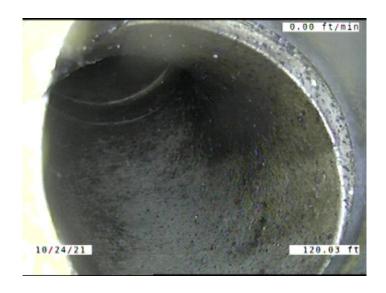
Clock To: 1

1st Value: 2nd Value: Value Percent:

Within 8" of Joint: YES

Remarks:

Continuous Index:



Code: TBI

Description: Tap Break-in Intruding

Distance (ft): 120.0
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 10

Clock To:

 1st Value:
 4.000

 2nd Value:
 1.000

Value Percent:

Continuous Index:

Within 8" of Joint: YES

Remarks: CONSTANTLY RUNNING WATER



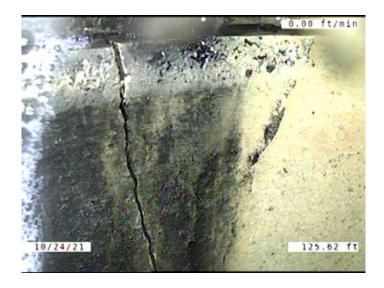
Code: CL

Description: Crack Longitudinal

Distance (ft): 122.7
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: YES



Code: FM

Description: Fracture Multiple

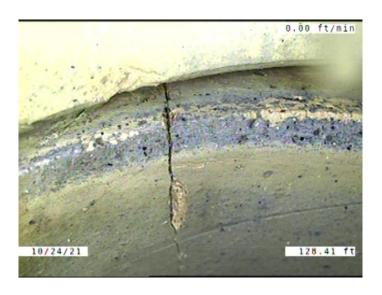
Distance (ft): 125.6
Structural Grade: 4
O&M Grade: 0
Clock Start/From: 8
Clock To: 10

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

Within 8" of Joint:

Remarks:

YES



Code: FL

Description: Fracture Longitudinal

Distance (ft): 128.4
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 8
Clock To: 1st Value: 2nd Value:

Value Percent: Continuous Index:

Within 8" of Joint: YES



Code: MWL

Description: Miscellaneous Water Level

Distance (ft): 128.4
Structural Grade: 0
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

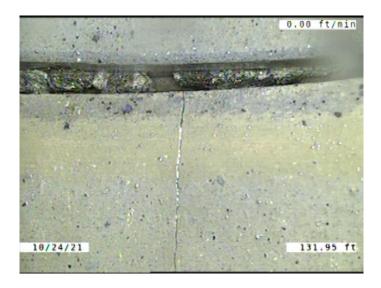
Value Percent: 5.000

Continuous Index:

Within 8" of Joint:

Remarks:

NO



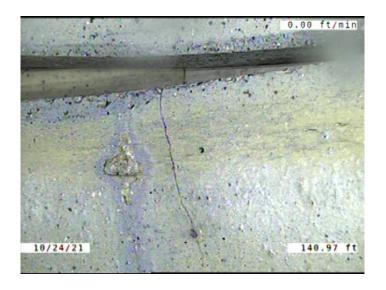
Code: CL

Description: Crack Longitudinal

Distance (ft): 131.9
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 2

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

Within 8" of Joint: YES



Code: CL

Description: Crack Longitudinal

Distance (ft): 141.0
Structural Grade: 2
O&M Grade: 0

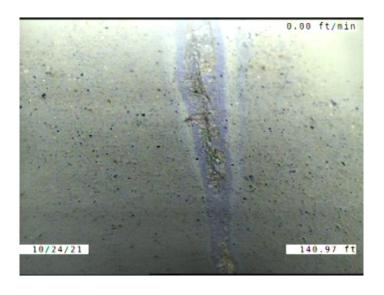
Clock Start/From: 2 Clock To:

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

Within 8" of Joint:

Remarks:

YES



Code: SSS

Description: Surface Damage Surface Spalling

Distance (ft): 141.0
Structural Grade: 2
O&M Grade: 0

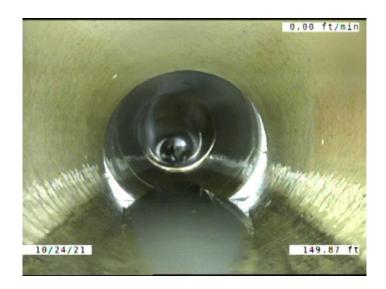
Clock Start/From: 2
Clock To:

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:

1st Value:



Code: MWLS

Description: Miscellaneous Water Level Sag

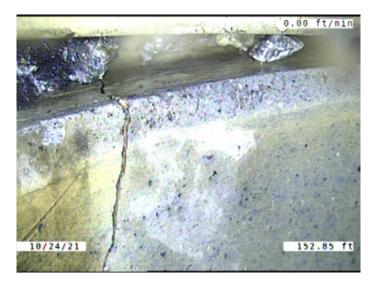
Distance (ft): 149.9
Structural Grade: 2
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 10.000
Continuous Index: S04
Within 8" of Joint: NO

Remarks:



Code: B

Description: Broken

Distance (ft): 152.9
Structural Grade: 4

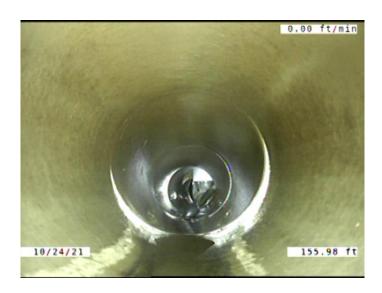
O&M Grade: 0

Clock Start/From: 1

9

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

Within 8" of Joint: YES



Code: MWLS

Description: Miscellaneous Water Level Sag

Distance (ft): 156.0
Structural Grade: 2
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 10.000
Continuous Index: F04
Within 8" of Joint: NO

Remarks:



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 164.6
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 5
Clock To: 7
1st Value:

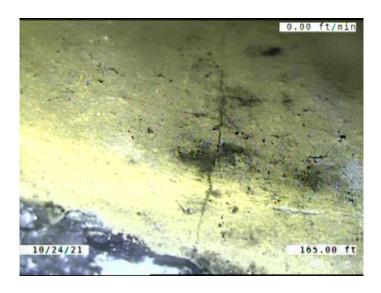
Value Percent: 5.000

Continuous Index:

Within 8" of Joint: YES

Remarks:

2nd Value:



Code: CM

Description: Crack Multiple

Distance (ft): 165.0 Structural Grade: 3

O&M Grade: 0
Clock Start/From: 5

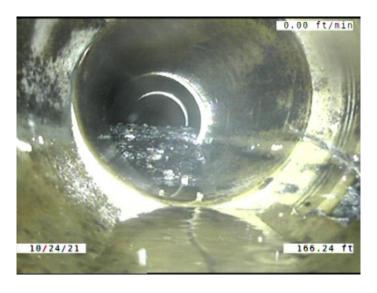
Clock To: **7**

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

Within 8" of Joint:

Remarks:

YES



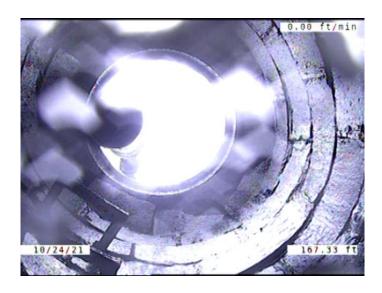
Code: **DSF**

Description: Deposits Settled Fine

Distance (ft): 166.2
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 5
Clock To: 7

1st Value: 2nd Value:

Value Percent: 5.000
Continuous Index: F03
Within 8" of Joint: YES



Code: AMH
Description: Manhole

Distance (ft): 167.3
Structural Grade: 0
O&M Grade: 0

Clock Start/From:

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

Within 8" of Joint:

Remarks: M-404-007

NO