## **Profile/Photo Observation Report**



Date: 10/31/2021 Weather: **PACP 7.0** Coding: Pipe Length (ft): 161.8 Owner: **City of Hobart** Pre Clean: **Heavy Cleaning** P.O.#: YES502259 S. Bucklin PSR: P-504-041-034 Surveyor:

Customer: City of Hobart Clean Date: 10/27/2021 Shape: C

Street: North Colorado Street Flow Control: Not Controlled

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

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

Sidni Arcu.

Category: NA

Comment:

Location Details: Direction of Survey: **Upstream** 

US MH: M-504-034 DS MH: M-504-041 Total Length Surveyed (ft): 161.8

1.66 78.00 **2E1B** O&M Index: O&M Quick: O&M Rating: 2.46 64.00 Structural Quick: Structural Rating: Structural Index: 1.95 142.00 Overall Quick: Overall Index: Overall Rating:

	Position	Code	Observation	Video (sec)	Grade
M-504-	041				
	0.	AMH	Manhole	1	NA
- 11	0.	MWL	Miscellaneous Water Level	11	NA
-11	1.5	MGO	Miscellaneous General Observation	19	NA
- 111	1.5	MWLS(S01)	Miscellaneous Water Level Sag	27	S 2
-11	1.8	RFJ	Roots Fine Joint	61	M 1
ш	1.8	JOMD	Joint Offset Medium Defective	73	S 3
- 11	1.9	CM	Crack Multiple	104	S 3
н	7\\\9.5	JOM	Joint Offset Medium	190	S 3
-	117.3	JOM	Joint Offset Medium	291	S 3
s <b>T</b>	20.2	DAE	Deposits Attached Encrustation	350	M 2
ŧ 📙	√ √22.8	DAE	Deposits Attached Encrustation	395	M 2
amera Direction	25.3	DAE(S02)	Deposits Attached Encrustation	448	M 2
ne r	27.5	MWLS(F01)	Miscellaneous Water Level Sag	478	S 2
	31.9	OBM	Obstruction Pipe Material in Invert	517	M 2
Ш	51.1	CM	Crack Multiple	649	S 3
	53.9	CM	Crack Multiple	697	S 3
↓	_//82.1	SZ	Surface Damage Other	906	NA
	- <del>87.2</del>	MWLS(S03)	Miscellaneous Water Level Sag	957	S 2
	90.0	SZ	Surface Damage Other	992	NA

91.9	MWLS(F03)	Miscellaneous Water Level Sag	1018	S 2
94.9	RFJ	Roots Fine Joint	1049	M 1
94.9	CL	Crack Longitudinal	1077	S 2
95.0	FS	Fracture Spiral	1112	S 3
97.6	FM	Fracture Multiple	1165	S 4
97.6	RFJ	Roots Fine Joint	1182	M 1
100.1	RFJ	Roots Fine Joint	1219	M 1
105.3	RFJ	Roots Fine Joint	1274	M 1
107.7	RFJ	Roots Fine Joint	1313	M 1
110.6	JAM	Joint Angular Medium	1365	S 3
110.7	MWLS(S04)	Miscellaneous Water Level Sag	1385	S 2
112.9	RFJ	Roots Fine Joint	1422	M 1
115.4	RFJ	Roots Fine Joint	1478	M 1
118.1	RFJ	Roots Fine Joint	1522	M 1
118.2	JAM	Joint Angular Medium	1543	S 3
120.8	RFJ	Roots Fine Joint	1587	M 1
123.1	MWLS(F04)	Miscellaneous Water Level Sag	1629	S 2
123.4	RFJ	Roots Fine Joint	1648	M 1
129.3	SSS	Surface Damage Surface Spalling	1704	S 2
131.0	SSS	Surface Damage Surface Spalling	1732	S 2
133.6	RFJ	Roots Fine Joint	1786	M 1
135.2	MWLS(S05)	Miscellaneous Water Level Sag	1815	S 2
138.4	JOM	Joint Offset Medium	1843	S 3
139.0	DSF	Deposits Settled Fine	1862	M 2
143.8	RFJ	Roots Fine Joint	1916	M 1
146.6	SZ	Surface Damage Other	1960	NA
151.7	RFJ	Roots Fine Joint	2003	M 1
153.8	MWLS(F05)	Miscellaneous Water Level Sag	2054	S 2
154.2	RFJ	Roots Fine Joint	2082	M 1
156.9	SZ	Surface Damage Other	2119	NA
156.9	RFJ	Roots Fine Joint	2139	M 1
159.9	DAE(F02)	Deposits Attached Encrustation	2168	M 2
161.8	АМН	Manhole	2263	NA

M(504)034



Code: AMH
Description: Manhole

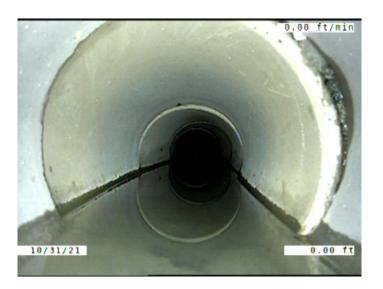
Distance (ft): .0
Structural Grade: 0
O&M Grade: 0

Clock Start/From:

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

Within 8" of Joint: NO

Remarks: M-504-041



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: 10.000

Continuous Index:

Within 8" of Joint: NO



Code: MGO

Description: **Miscellaneous General Observation** 

Distance (ft): 1.5 Structural Grade: 0 0 O&M Grade:

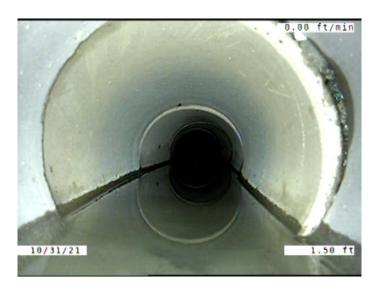
Clock Start/From:

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

Within 8" of Joint: NO

Remarks: DROP INTO THE MANHOLE. HAD TO

START IN THE PIPE.



Code: **MWLS** 

Description: **Miscellaneous Water Level Sag** 

Distance (ft): 1.5 Structural Grade: 2 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 10.000 Continuous Index: **S01** Within 8" of Joint: NO



Description: Roots Fine Joint

Distance (ft): 1.8
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 2

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

Within 8" of Joint:

Remarks:

YES



Code: JOMD

Description: Joint Offset Medium Defective

Distance (ft): 1.8
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: LOOKS TO BE LEAKING WATER

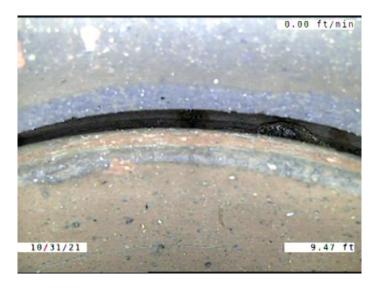


Code: CM
Description: Crack Multiple

Distance (ft): 1.9
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 2
Clock To: 4
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint:

Remarks:



Code: **JOM** 

Description: Joint Offset Medium

YES

Distance (ft): 9.5
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



Code: JOM

Description: **Joint Offset Medium** 

Distance (ft): 17.3 Structural Grade: 3 0 O&M Grade:

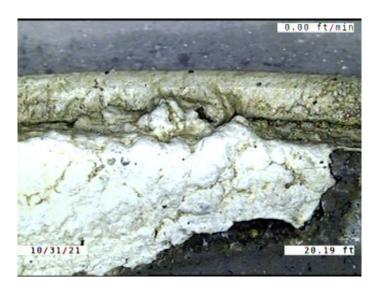
Clock Start/From:

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

Within 8" of Joint:

Remarks:

NO



Code: DAE

Description: **Deposits Attached Encrustation** 

Distance (ft): 20.2 Structural Grade: 0 O&M Grade: 2 Clock Start/From: 9 3 Clock To: 1st Value: 2nd Value:

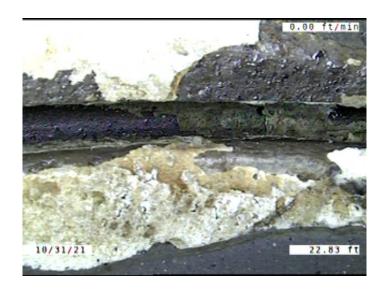
Value Percent: 5.000

Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: DAE

Description: **Deposits Attached Encrustation** 

Distance (ft): 22.8 Structural Grade: 0 2 O&M Grade: Clock Start/From: 9 Clock To: 2

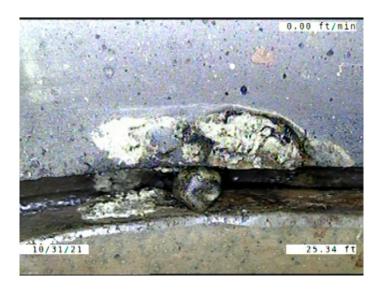
1st Value: 2nd Value:

5.000 Value Percent:

Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: DAE

Description: **Deposits Attached Encrustation** 

Distance (ft): 25.3 Structural Grade: 0 O&M Grade: 2 Clock Start/From: 7 5 Clock To: 1st Value:

Value Percent: 5.000 Continuous Index: **S02** Within 8" of Joint: YES

Remarks:

2nd Value:



Code: MWLS

Description: Miscellaneous Water Level Sag

Distance (ft): 27.5
Structural Grade: 2
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 10.000
Continuous Index: F01
Within 8" of Joint: NO

Remarks:



Code: OBM

Description: Obstruction Pipe Material in Invert

Distance (ft): 31.9
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 6
Clock To:

Clock To:
1st Value:
2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint: YES

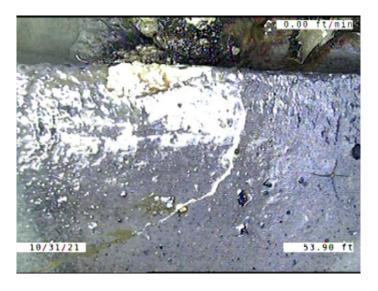


Code: CM Description: **Crack Multiple** 

Distance (ft): 51.1 Structural Grade: 3 0 O&M Grade: Clock Start/From: 9 Clock To: 1 1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

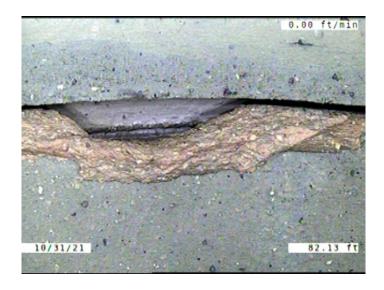


CM Code:

Description: **Crack Multiple** 

YES

Distance (ft): 53.9 Structural Grade: 3 O&M Grade: 0 Clock Start/From: 3 Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: YES



Code: SZ

Description: Surface Damage Other

Distance (ft): 82.1
Structural Grade: 0

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: A PIECE CHIPPED AWAY FROM THE

**JOINT** 



Code: MWLS

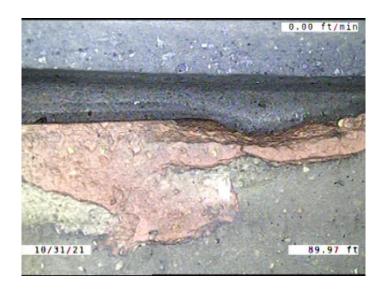
Description: Miscellaneous Water Level Sag

Distance (ft): 87.2
Structural Grade: 2
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 10.000
Continuous Index: S03
Within 8" of Joint: NO



Code: SZ

Description: Surface Damage Other

Distance (ft): 90.0
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 9
Clock To: 10

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

Within 8" of Joint: YES

Remarks: A PIECE CHIPPED AWAY FROM THE

**JOINT** 



Code: MWLS

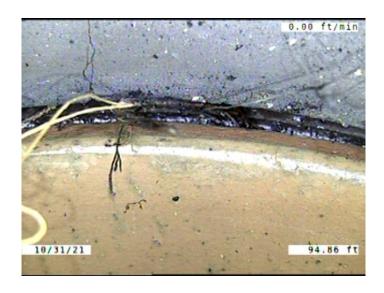
Description: Miscellaneous Water Level Sag

Distance (ft): 91.9
Structural Grade: 2
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 10.000
Continuous Index: F03
Within 8" of Joint: NO



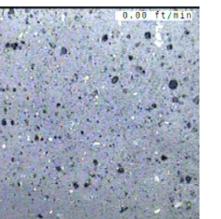
Description: Roots Fine Joint

Distance (ft): 94.9
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 1
Clock To: 2

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

Within 8" of Joint:

Remarks:



Code: CL

Description: Crack Longitudinal

YES

Distance (ft): 94.9
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 1
Clock To:
1st Value:
2nd Value:

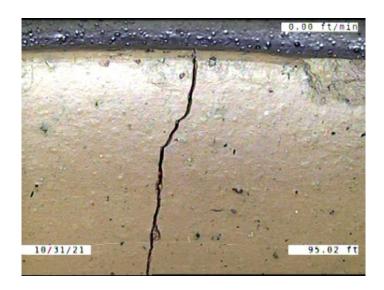
Continuous Index: Within 8" of Joint:

Remarks:

Value Percent:

YES

10/31/21



Code: **FS** 

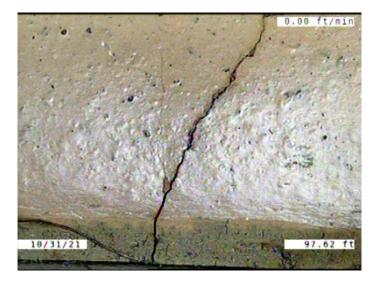
Description: Fracture Spiral

Distance (ft): 95.0
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 11
Clock To: 12

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

Within 8" of Joint: YES

Remarks:



Code: FM

Description: Fracture Multiple

Distance (ft): 97.6
Structural Grade: 4

O&M Grade: 0

Clock Start/From: 3

Clock To: 4

1st Value:
2nd Value:

Within 8" of Joint: YES

Remarks:

Value Percent: Continuous Index:

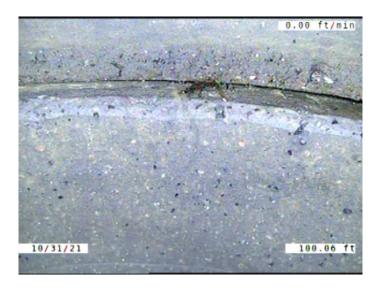


Code: RFJ
Description: Roots Fine Joint

Distance (ft): 97.6 Structural Grade: 0 O&M Grade: 1 Clock Start/From: 2 Clock To: 4 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: YES

Remarks:

Remarks:



Code: RFJ

Description: Roots Fine Joint

Distance (ft): 100.1
Structural Grade: 0

O&M Grade: 1

Clock Start/From: 2

Clock To: 1st Value: 2

2nd Value: Value Percent: Continuous Index: YES



Description: Roots Fine Joint

Distance (ft): 105.3
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:



Code: RFJ

Description: Roots Fine Joint

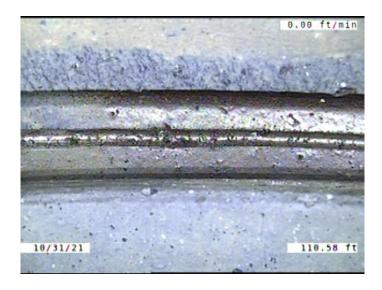
Distance (ft): 107.7
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 11
Clock To: 12
1st Value:
2nd Value:
Value Percent:

Within 8" of Joint:

Continuous Index:

Remarks:

YES



Code: JAM

Description: Joint Angular Medium

Distance (ft): 110.6 Structural Grade: 3 0 O&M Grade:

Clock Start/From:

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

Within 8" of Joint:

Remarks:

NO



Code: **MWLS** 

Description: **Miscellaneous Water Level Sag** 

Distance (ft): 110.7 Structural Grade: 2 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

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



Description: Roots Fine Joint

Distance (ft): 112.9
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 11
Clock To: 2

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

Within 8" of Joint:

Remarks:

YES



Code: RFJ

Description: Roots Fine Joint

Distance (ft): 115.4
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 11
Clock To: 3
1st Value:
2nd Value:

Value Percent: Continuous Index:

Within 8" of Joint: YES



Description: Roots Fine Joint

Distance (ft): 118.1
Structural Grade: 0

O&M Grade: 1

Clock Start/From: 9

Clock To: 2

1st Value:

2nd Value:

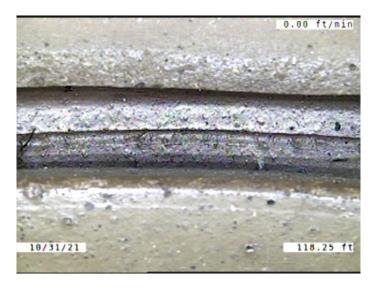
Value Percent:

Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: JAM

Description: Joint Angular Medium

NO

Distance (ft): **118.2** 

Structural Grade: **3**O&M Grade: **0** 

Clock Start/From:

Clock To:

1st Value:

2nd Value:

Value Percent:

Continuous Index:

Within 8" of Joint:



Description: Roots Fine Joint

Distance (ft): 120.8
Structural Grade: 0
O&M Grade: 1

Clock Start/From: 9
Clock To: 3

1st Value: 2nd Value: Value Percent:

Continuous Index: Within 8" of Joint:

Remarks:

YES



Code: MWLS

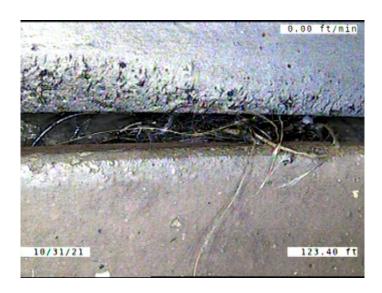
Description: Miscellaneous Water Level Sag

Distance (ft): 123.1
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



Description: Roots Fine Joint

Distance (ft): 123.4
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 9

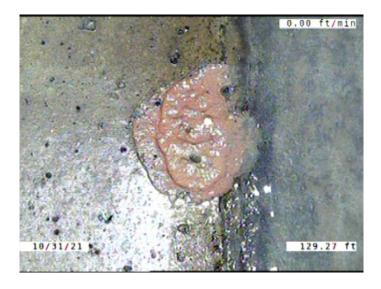
Clock Start/From: Clock To: 1st Value: 2nd Value: Value Percent:

Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: SSS

Description: Surface Damage Surface Spalling

Distance (ft): 129.3
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 7

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

Within 8" of Joint: NO



Code: SSS

Description: Surface Damage Surface Spalling

Distance (ft): 131.0
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 4

Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: RFJ

Description: Roots Fine Joint

Distance (ft): 133.6
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 10

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

Within 8" of Joint: YES



Code: MWLS

Description: Miscellaneous Water Level Sag

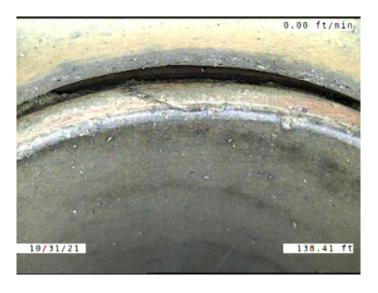
Distance (ft): 135.2
Structural Grade: 2
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 10.000
Continuous Index: S05
Within 8" of Joint: NO

Remarks:



Code: **JOM** 

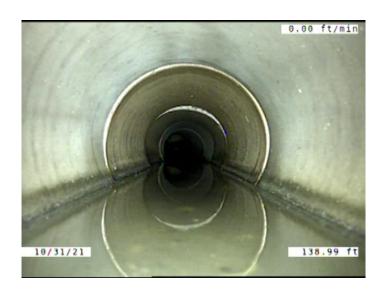
Description: Joint Offset Medium

Distance (ft): 138.4
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



Code: **DSF** 

Description: Deposits Settled Fine

Distance (ft): 139.0
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 5
Clock To: 7

1st Value: 2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: RFJ

Description: Roots Fine Joint

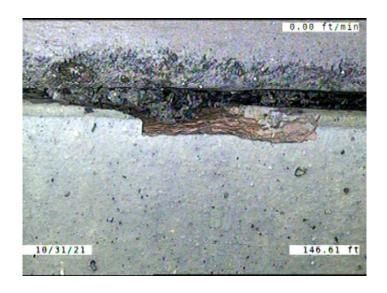
Distance (ft): 143.8
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 12
Clock To: 2
1st Value: 2nd Value:

Continuous Index:
Within 8" of Joint:

Remarks:

Value Percent:

YES



Code: SZ

Description: Surface Damage Other

Distance (ft): 146.6
Structural Grade: 0

O&M Grade: 0

Clock Start/From: 10

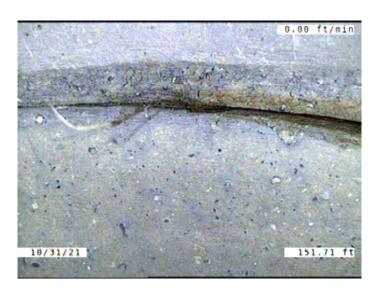
Clock To: 11

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

Within 8" of Joint: YES

Remarks: A PIECE CHIPPED AWAY FROM THE

**JOINT** 



Code: RFJ

Description: Roots Fine Joint

Distance (ft): 151.7
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 1

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

Within 8" of Joint: YES



Code: MWLS

Description: Miscellaneous Water Level Sag

Distance (ft): 153.8
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: RFJ

Description: Roots Fine Joint

Distance (ft): 154.2
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 11
Clock To: 12
1st Value:
2nd Value:

Value Percent: Continuous Index: Within 8" of Joint:

ithin 8" of Joint: YES



Code: SZ

Description: Surface Damage Other

Distance (ft): 156.9
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 10
Clock To: 11

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

Within 8" of Joint: YES

Remarks: A PIECE CHIPPED AWAY FROM THE

**JOINT** 



Code: RFJ

Description: Roots Fine Joint

Distance (ft): 156.9
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 1
Clock To: 3
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint: YES



Code: DAE

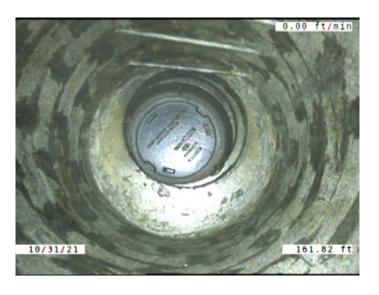
Description: Deposits Attached Encrustation

Distance (ft): 159.9
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 7
Clock To: 5

1st Value: 2nd Value:

Value Percent: 5.000
Continuous Index: F02
Within 8" of Joint: YES

Remarks:



Code: AMH
Description: Manhole

Distance (ft): 161.8
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: M-504-034