## **Profile/Photo Observation Report**



Date: 10/10/2021 Weather: **PACP 7.0** Coding: Pipe Length (ft): 112.4 Owner: **City of Hobart** Pre Clean: **Heavy Cleaning** P.O.#: S. Bucklin PSR: P-804-018-015 YES502259 Surveyor:

Customer: **City of Hobart** Clean Date: 10/09/2021 Shape:

**East Home Avenue** Flow Control: **Not Controlled** Street:

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

Purpose: **Routine Assessment** Dia/Height:

12" Use: **Sanitary Sewage Pipe** Material: **VCP** 

Drain Area: Lining:

Category: NA

Comment:

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

US MH: M-704-015 DS MH: M-804-018 Total Length Surveyed (ft): 112.4

1.72 **2D1A** 62.00 O&M Index: O&M Quick: O&M Rating: 2.79 5144 67.00 Structural Quick: Structural Rating: Structural Index: 2.15 129.00 5144 Overall Quick: Overall Index: Overall Rating:

	Position	Code	Observation	Video (sec)	Grade
M-704-	015				
	0.	AMH	Manhole	1	NA
-11	0.	MWL	Miscellaneous Water Level	63	NA
	5.1	DSF(S01)	Deposits Settled Fine	90	M 2
$\parallel$	8.0	CM	Crack Multiple	200	S 3
	8.0	FM	Fracture Multiple	216	S 4
	8.0	ISB	Infiltration Stain Barrel	227	M 1
-11	13.3	JAM	Joint Angular Medium	277	S 3
	13.3	LR	Line Right	296	M 1
-11	14.3	CM	Crack Multiple	326	S 3
	\\ <u>14.3</u>	ISB	Infiltration Stain Barrel	333	M 1
	7/17.5	SZ	Surface Damage Other	368	NA
	19.4	TFC	Tap Factory Capped	397	NA
	20.9	CL	Crack Longitudinal	427	S 2
	20.9	ISB	Infiltration Stain Barrel	447	M 1
	22.4	TFC	Tap Factory Capped	471	NA
	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	MMC	Miscellaneous Material Change	525	NA
,	7\\30.3	MWLS(S02)	Miscellaneous Water Level Sag	557	S 2
	31.4	TF	Tap Factory	578	NA
	39.2	MMC	Miscellaneous Material Change	638	NA

39.2	CL	Crack Longitudinal	666	S 2
₹ 39.2	ISB	Infiltration Stain Barrel	674	M 1
39.4	CL	Crack Longitudinal	717	S 2
39.4	ISB	Infiltration Stain Barrel	725	M:
\\\\\\41.9	MWLS(F02)	Miscellaneous Water Level Sag	756	S 2
47.1	TFC	Tap Factory Capped	786	NA
49.4	TFC	Tap Factory Capped	813	NA
50.5	JAM	Joint Angular Medium	873	S 3
50.5	CM	Crack Multiple	891	S 3
50.5	DAE	Deposits Attached Encrustation	907	M
53.5	SZ	Surface Damage Other	944	NA
62.8	DAE	Deposits Attached Encrustation	1025	M 2
62.8	DAE	Deposits Attached Encrustation	1043	M
62.9	MWLS(S03)	Miscellaneous Water Level Sag	1063	S 2
65.9	ISB	Infiltration Stain Barrel	1131	M :
65.9	FM	Fracture Multiple	1180	S 4
68.2	SSS	Surface Damage Surface Spalling	1237	S 2
68.4	ТВ	Tap Break-in/Hammer	1251	NA
72.2	DAE	Deposits Attached Encrustation	1297	M
75.1	DAE	Deposits Attached Encrustation	1340	M
75.1	СМ	Crack Multiple	1369	S 3
75.1	ISJ	Infiltration Stain Joint	1382	M :
76.0	TFC	Tap Factory Capped	1403	NA
78.2	TFC	Tap Factory Capped	1429	NA
80.5	MWLS(F03)	Miscellaneous Water Level Sag	1458	S 2
95.0	В	Broken	1520	S 4
95.0	ISJ	Infiltration Stain Joint	1550	M :
96.6	TFC	Tap Factory Capped	1575	NA
99.8	TFC	Tap Factory Capped	1610	NA
///107.2	JOLD	Joint Offset Large Defective	1687	S 4
1//107.2	CL	Crack Longitudinal	1733	S 2
107.2	ISB	Infiltration Stain Barrel	1741	M
107.2	CM	Crack Multiple	1763	S 3
107.5	MMC	Miscellaneous Material Change	1778	NA
/111.8	SMW	Surface Damage Missing Wall	1845	S 5
//111.8	JOMD	Joint Offset Medium Defective	1873	S 3
112.4	DSF(F01)	Deposits Settled Fine	1934	M
// 112.4	MGO	Miscellaneous General Observation	1944	NA
112.4	MSA	Miscellaneous Survey Abandoned	1966	NA



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-704-015



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** 

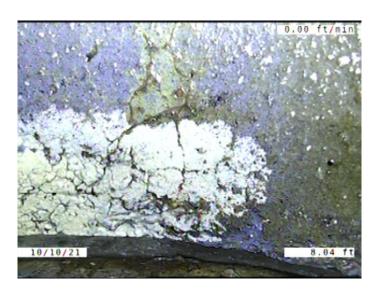
Description: Deposits Settled Fine

Distance (ft): 5.1
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:



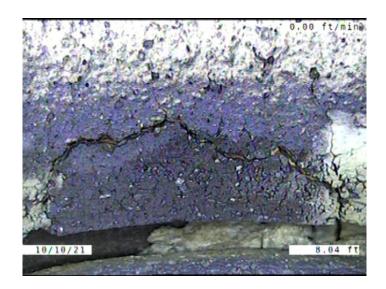
Code: CM

Description: Crack Multiple

Distance (ft): 8.0
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 8
Clock To: 3
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Remarks:

Within 8" of Joint:



Code: **FM** 

Description: Fracture Multiple

Distance (ft): 8.0
Structural Grade: 4

O&M Grade: 0

Clock Start/From: 11

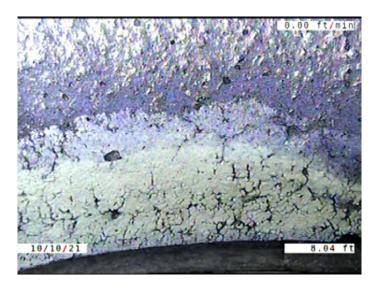
Clock To: 12

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

Within 8" of Joint:

Remarks:

YES



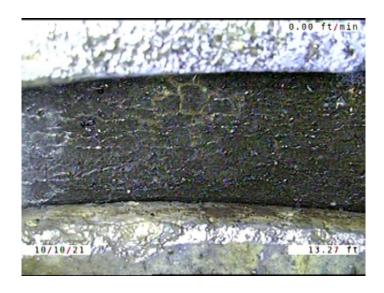
Code: ISB

Description: Infiltration Stain Barrel

YES

Distance (ft): 8.0
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:



Code: JAM

Description: Joint Angular Medium

Distance (ft): 13.3
Structural Grade: 3
O&M Grade: 0

Clock Start/From:

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

Within 8" of Joint:

Remarks:

NO



Code: LR

Description: Line Right

Distance (ft): 13.3
Structural Grade: 0
O&M Grade: 1

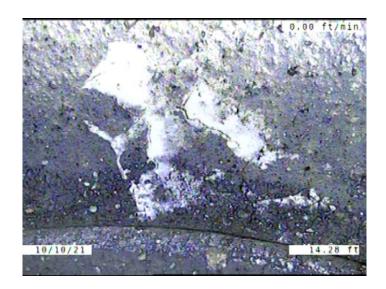
Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint: NO



Code: CM

Description: Crack Multiple

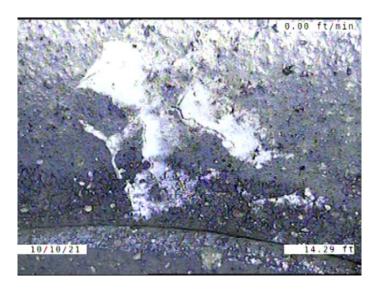
Distance (ft): 14.3
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 1
Clock To: 2

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

Within 8" of Joint:

Remarks:

YES

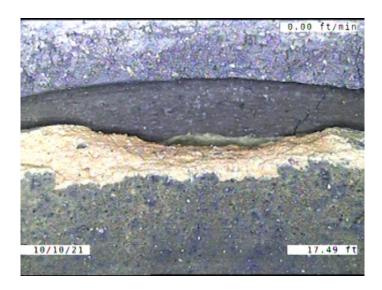


Code: ISB

Description: Infiltration Stain Barrel

Distance (ft): 14.3
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: YES



Code: SZ

Description: Surface Damage Other

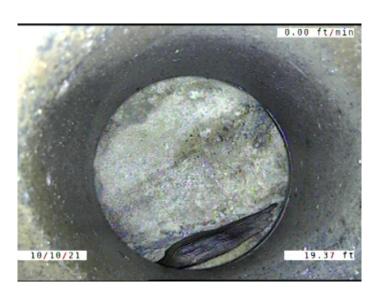
Distance (ft): 17.5
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 11
Clock To: 12

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

Within 8" of Joint: YES

Remarks: A PIECE CHIPPED AWAY FROM THE

**JOINT** 



Code: TFC

Description: Tap Factory Capped

Distance (ft): 19.4
Structural Grade: 0

O&M Grade: 0

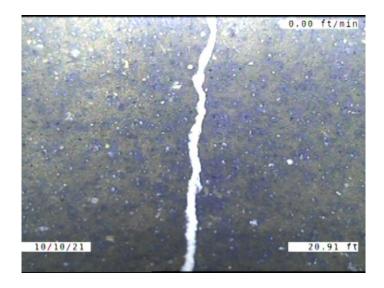
Clock Start/From: 11

Clock To:

1st Value: **4.000** 

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES



Code: CL

Description: Crack Longitudinal

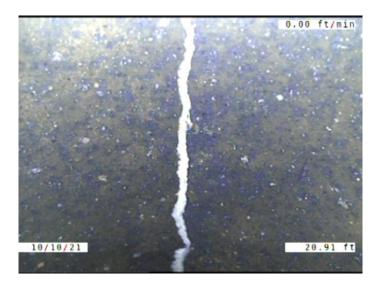
Distance (ft): 20.9
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 12

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

Within 8" of Joint:

Remarks:

YES



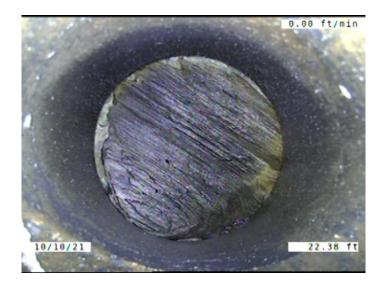
Code: ISB

Description: Infiltration Stain Barrel

Distance (ft): 20.9
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 10
Clock To: 12
1st Value:
2nd Value:
Value Percent:

Continuous Index: Within 8" of Joint:

ithin 8" of Joint: YES



Code: TFC

Description: **Tap Factory Capped** 

Distance (ft): 22.4 Structural Grade: 0 O&M Grade: 0 Clock Start/From: 1

Clock To:

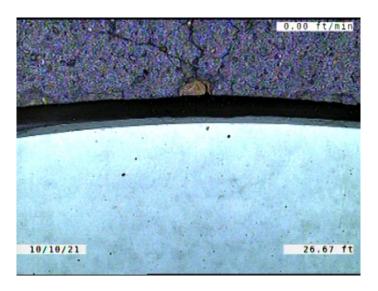
1st Value: 4.000

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: MMC

Description: **Miscellaneous Material Change** 

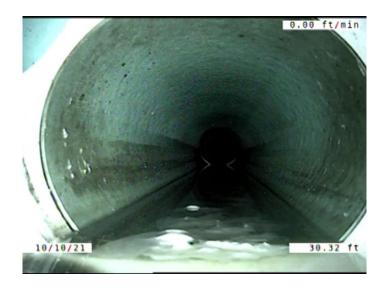
26.7 Distance (ft): Structural Grade: 0 O&M Grade: 0

Clock Start/From:

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

Within 8" of Joint: NO

**VCP TO PVC** Remarks:



Code: MWLS

Description: Miscellaneous Water Level Sag

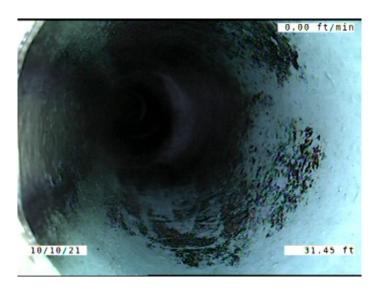
Distance (ft): 30.3
Structural Grade: 2
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

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

Remarks:



Code: **TF** 

Description: Tap Factory

Distance (ft): 31.4
Structural Grade: 0

O&M Grade: 0

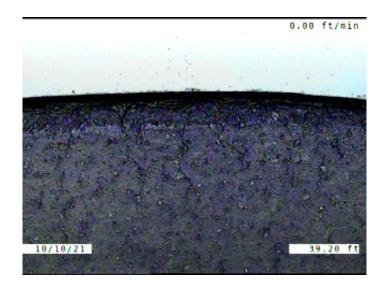
Clock Start/From: 10

Clock To:

1st Value: **4.000** 

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES



Code: MMC

Description: Miscellaneous Material Change

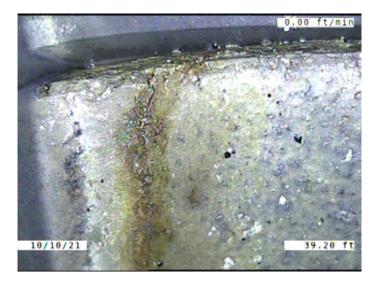
Distance (ft): 39.2
Structural Grade: 0

O&M Grade: 0

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

Within 8" of Joint: NO

Remarks: PVC TO VCP



Code: CL

Description: Crack Longitudinal

Distance (ft): 39.2
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 8
Clock To:
1st Value:

Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:

2nd Value:



Code: ISB

Description: Infiltration Stain Barrel

Distance (ft): 39.2
Structural Grade: 0

O&M Grade: 1

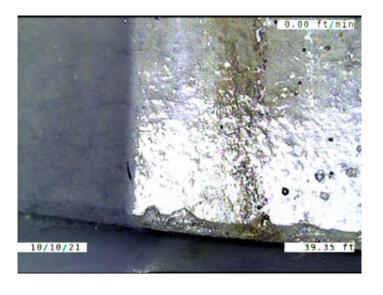
Clock Start/From: 8

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

Within 8" of Joint:

Remarks:

YES



Code: CL

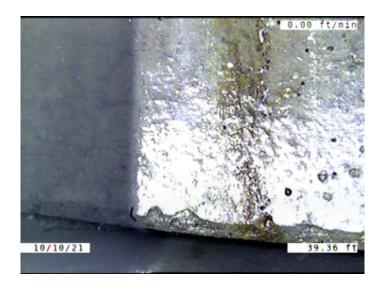
Description: Crack Longitudinal

Distance (ft): 39.4
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 4
Clock To:
1st Value:
2nd Value:
Value Percent:

Within 8" of Joint: YES

Remarks:

Continuous Index:



Code: ISB

Description: **Infiltration Stain Barrel** 

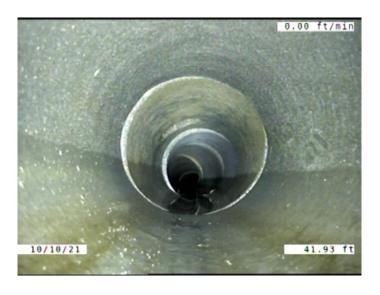
Distance (ft): 39.4 Structural Grade: 0 O&M Grade: 1 Clock Start/From:

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

Within 8" of Joint:

Remarks:

YES



Code: **MWLS** 

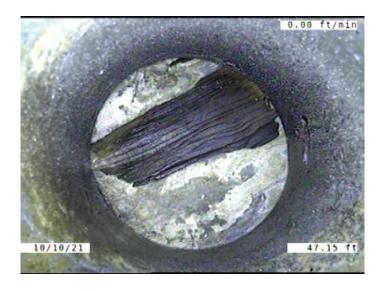
Description: **Miscellaneous Water Level Sag** 

Distance (ft): 41.9 Structural Grade: 2 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

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



Code: TFC

Description: Tap Factory Capped

Distance (ft): 47.1
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 11

Clock To:

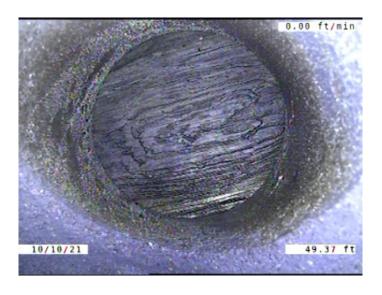
1st Value: **4.000** 

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: **TFC** 

Description: Tap Factory Capped

Distance (ft): 49.4
Structural Grade: 0

O&M Grade: 0

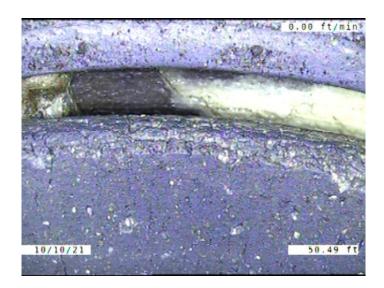
Clock Start/From: 1

Clock To:

1st Value: **4.000** 

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES



Code: JAM

Description: Joint Angular Medium

Distance (ft): 50.5 Structural Grade: 3 0 O&M Grade:

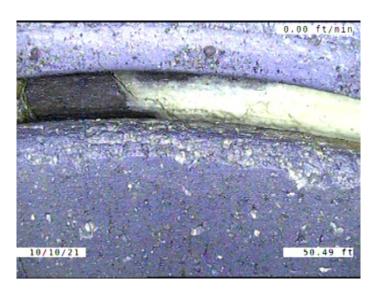
Clock Start/From:

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

Within 8" of Joint:

Remarks:

NO



CM Code:

Description: **Crack Multiple** 

Distance (ft): 50.5 Structural Grade: 3 O&M Grade: 0 Clock Start/From: 12 Clock To: 1 1st Value: 2nd Value: Value Percent:

Continuous Index: Within 8" of Joint:

YES



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 50.5
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 1
Clock To: 2

1st Value: 2nd Value:

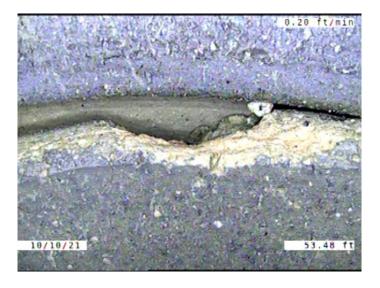
Value Percent: 5.000

Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: SZ

Description: Surface Damage Other

Distance (ft): 53.5
Structural Grade: 0

O&M Grade: 0

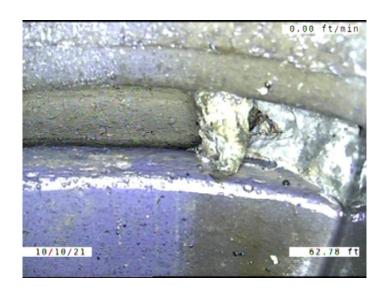
Clock Start/From: 1

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

Within 8" of Joint: YES

Remarks: A PIECE OF THE JOINT CHIPPED

**AWAY** 



Code: DAE

Description: **Deposits Attached Encrustation** 

Distance (ft): 62.8 Structural Grade: 0 2 O&M Grade: Clock Start/From: 2 Clock To: 3

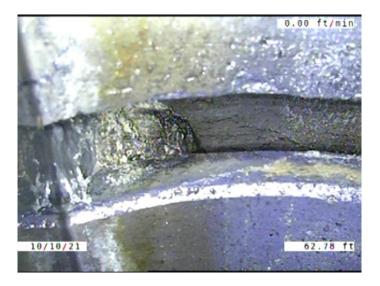
1st Value: 2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: DAE

Description: **Deposits Attached Encrustation** 

Distance (ft): 62.8 Structural Grade: 0 O&M Grade: 2 Clock Start/From: 9 Clock To: 10 1st Value:

Value Percent: 5.000

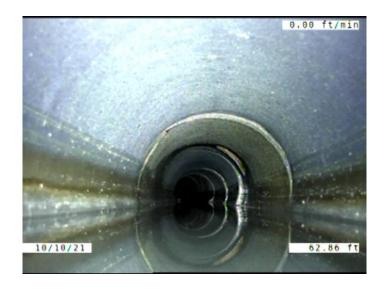
Continuous Index:

Within 8" of Joint:

Remarks:

2nd Value:

YES



Code: MWLS

Description: Miscellaneous Water Level Sag

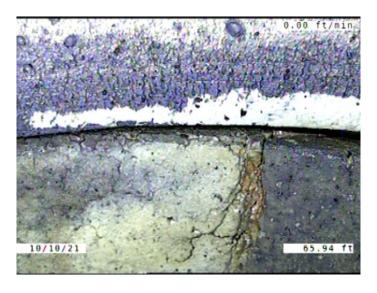
Distance (ft): 62.9
Structural Grade: 2
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

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

Remarks:

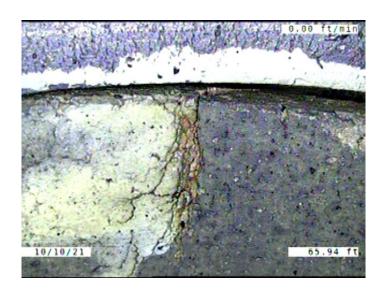


Code: ISB

Description: Infiltration Stain Barrel

Distance (ft): 65.9
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: YES



Code: FM

Description: Fracture Multiple

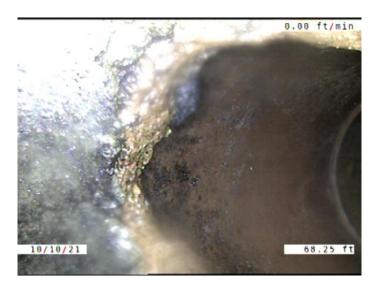
Distance (ft): 65.9
Structural Grade: 4
O&M Grade: 0
Clock Start/From: 9
Clock To: 1

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

Within 8" of Joint:

Remarks:

YES

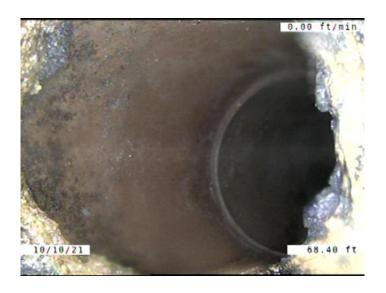


Code: SSS

Description: Surface Damage Surface Spalling

Distance (ft): 68.2
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 1
Clock To: 2
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint: YES



Code: TB

Description: Tap Break-in/Hammer

Distance (ft): 68.4 Structural Grade: 0 O&M Grade: 0 Clock Start/From: 1

Clock To:

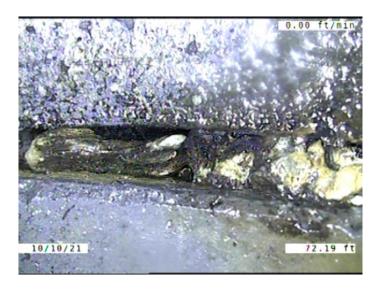
1st Value: 4.000

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: DAE

Description: **Deposits Attached Encrustation** 

Distance (ft): 72.2 Structural Grade: 0 O&M Grade: 2 Clock Start/From: 2 3 Clock To: 1st Value:

Value Percent:

Continuous Index:

Within 8" of Joint:

Remarks:

2nd Value:

YES

5.000



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 75.1
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 2
Clock To: 3

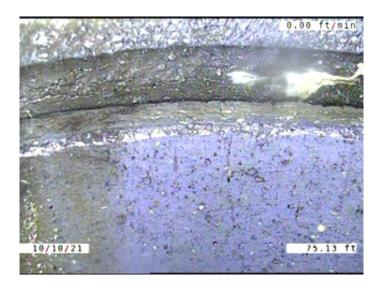
1st Value: 2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: CM

Description: Crack Multiple

Distance (ft): 75.1
Structural Grade: 3

O&M Grade: 0

Clock Start/From: 9

Clock To: 11

1st Value: 2nd Value: Value Percent:

Within 8" of Joint: YES

Remarks:

Continuous Index:



Code: ISJ

Description: Infiltration Stain Joint

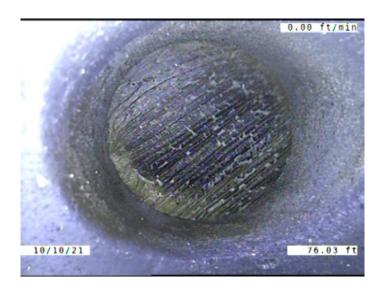
Distance (ft): 75.1
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 10

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

Within 8" of Joint:

Remarks:

YES



Code: TFC

Description: Tap Factory Capped

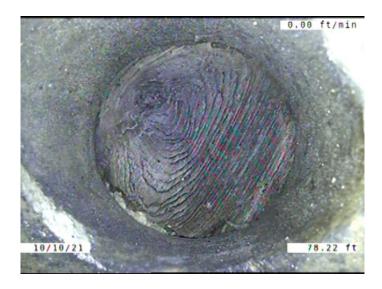
Distance (ft): 76.0
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 11

Clock To:

1st Value: **4.000** 

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES



Code: TFC

Description: **Tap Factory Capped** 

Distance (ft): 78.2 Structural Grade: 0 O&M Grade: 0 Clock Start/From: 1

Clock To:

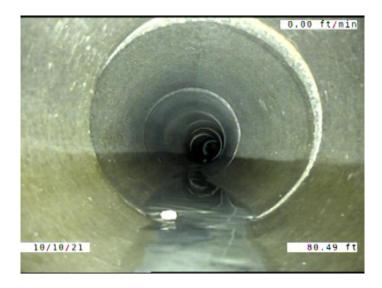
1st Value: 4.000

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: **MWLS** 

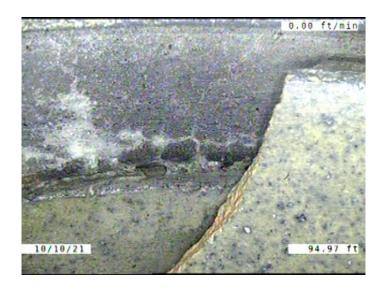
Description: **Miscellaneous Water Level Sag** 

Distance (ft): 80.5 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



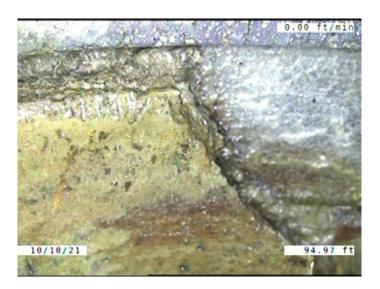
Code: B
Description: Broken

Distance (ft): 95.0
Structural Grade: 4

O&M Grade: 0
Clock Start/From: 10
Clock To: 11
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint:

Remarks:



Code: ISJ

Description: Infiltration Stain Joint

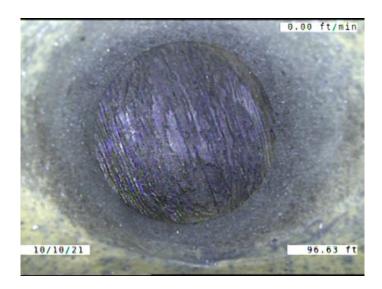
YES

YES

Distance (ft): 95.0
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 9
Clock To: 11
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Remarks:

Within 8" of Joint:



Code: TFC

Description: Tap Factory Capped

Distance (ft): 96.6
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 11

Clock To:

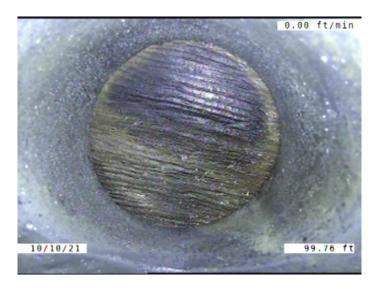
1st Value: **4.000** 

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: **TFC** 

Description: Tap Factory Capped

Distance (ft): 99.8
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: JOLD

Description: Joint Offset Large Defective

Distance (ft): 107.2
Structural Grade: 4
O&M Grade: 0

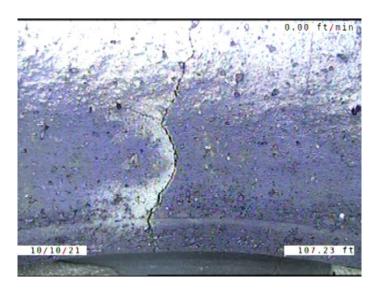
Clock Start/From:

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

Within 8" of Joint:

Remarks:

NO



Code: CL

Description: Crack Longitudinal

Distance (ft): 107.2
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 11

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

Within 8" of Joint: YES



Code: ISB

Description: Infiltration Stain Barrel

Distance (ft): 107.2
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 11

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

Within 8" of Joint:

Remarks:

YES



Code: CM

Description: Crack Multiple

Distance (ft): 107.2
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 2
Clock To: 3
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Remarks:

Within 8" of Joint:



Code: MMC

Description: Miscellaneous Material Change

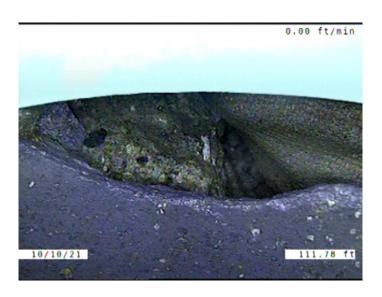
Distance (ft): 107.5
Structural Grade: 0
O&M Grade: 0

Clock Start/From:

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

Within 8" of Joint: NO

Remarks: VCP TO PVC



Code: SMW

Description: Surface Damage Missing Wall

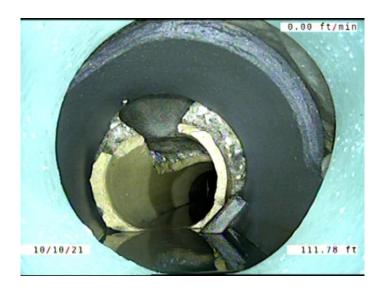
Distance (ft): 111.8
Structural Grade: 5

O&M Grade: 0
Clock Start/From: 10
Clock To: 3
1st Value:
2nd Value:
Value Percent:

Within 8" of Joint: YES

Continuous Index:

Remarks: **SOIL VISIBLE** 



Code: **JOMD** 

Description: **Joint Offset Medium Defective** 

Distance (ft): 111.8 Structural Grade: 3 0 O&M Grade:

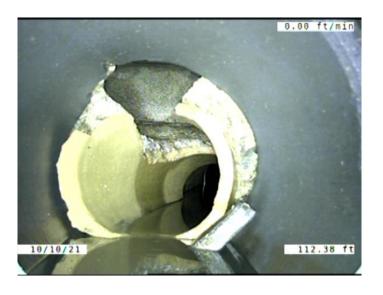
Clock Start/From:

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

Within 8" of Joint:

Remarks:

NO



DSF Code:

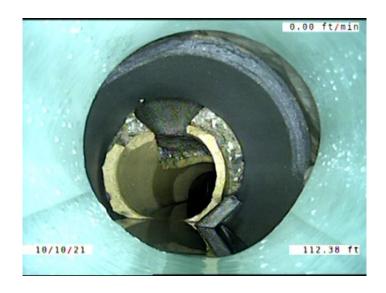
Description: **Deposits Settled Fine** 

Distance (ft): 112.4 Structural Grade: 0 O&M Grade: 2 Clock Start/From: 5 7 Clock To: 1st Value:

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

Remarks:

2nd Value:



Code: MGO

Description: Miscellaneous General Observation

Distance (ft): 112.4
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: PIPE IS BROKEN AND THE NEXT PIPE

SECTION CHANGES SIZES. IT DOES T



Code: MSA

Description: Miscellaneous Survey Abandoned

Distance (ft): 112.4
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: CAMERA CANT FIT INTO 8" PIPE.
PIPE CHANGES AT THE MANHOLE