Profile/Photo Observation Report



Date: 11/02/2021 **PACP 7.0** Weather: Coding: Pipe Length (ft): 155.9 Owner: **City of Hobart** Pre Clean: **Heavy Cleaning** P.O.#: S. Bucklin PSR: P-504-038-024 YES502259 Surveyor:

Customer: City of Hobart Clean Date: 10/28/2021 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 Assessment Dia/Height: 10"
Use: Sanitary Sewage Pipe Material: VCP
Drain Area: Lining: None

Category: NA

Comment:

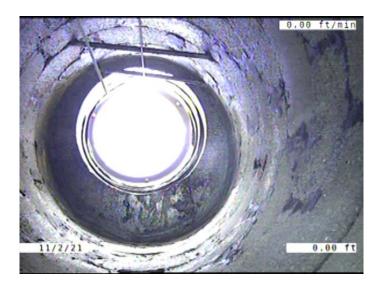
Location Details: Direction of Survey: **Downstream**

US MH: M-504-024 DS MH: M-504-038 Total Length Surveyed (ft): 155.9

1.94 35.00 O&M Index: O&M Quick: O&M Rating: 2.87 **4A3A** 112.00 Structural Quick: Structural Rating: Structural Index: 2.58 **4A3B** 147.00 Overall Index: Overall Quick: Overall Rating:

	Position	Code	Observation	Video (sec)	Grade
504	024				
\subseteq	0.	AMH	Manhole	1	NA
		MWL	Miscellaneous Water Level	85	NA
ш	2.4	FM	Fracture Multiple	159	S 4
-	ე \\ 5.0	RFJ	Roots Fine Joint	211	M 1
Ш	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	IDJ	Infiltration Dripper Joint	226	M 3
н	10.3	CM	Crack Multiple	292	S 3
н	10.3	JSM	Joint Separated Medium	331	S 3
ш	10.3	RFJ	Roots Fine Joint	350	M 1
ш	12.9	CM	Crack Multiple	391	S 3
н	15.4	MWLS(S01)	Miscellaneous Water Level Sag	419	S 2
ш	18.1	RFJ	Roots Fine Joint	445	M 1
н	-√ \\18.1	FM	Fracture Multiple	484	S 4
н	¬√√25.9	RFJ	Roots Fine Joint	545	M 1
ш	\\33.5	RFJ	Roots Fine Joint	618	M 1
	36.0	RFJ	Roots Fine Joint	658	M 1
	39.9	MWLS(F01)	Miscellaneous Water Level Sag	695	S 2
	√√42.7	MWLS(S02)	Miscellaneous Water Level Sag	722	S 2
	√√ 43.9	JAM	Joint Angular Medium	780	S 3
	_\\\\43.9	CM	Crack Multiple	793	S 3

	\\46.4	JAM	Joint Angular Medium	830	S 3
	\\ <u>48.9</u>	IRJ	Infiltration Runner Joint	875	M 4
	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	JAM	Joint Angular Medium	920	S 3
Ш,	54.0	MWLS(F02)	Miscellaneous Water Level Sag	934	S 2
	59.3	JAM	Joint Angular Medium	972	S 3
	69.0	CL	Crack Longitudinal	1041	S 2
	72.2	JAM	Joint Angular Medium	1080	S 3
	77.2	RFJ	Roots Fine Joint	1135	M 1
ш	87.0	В	Broken	1269	S 4
ш	90.8	MWLS(S03)	Miscellaneous Water Level Sag	1300	S 2
	98.0	В	Broken	1387	S 4
	100.7	FM(S04)	Fracture Multiple	1492	S 4
	103.1	SZ	Surface Damage Other	1552	NA
	118.8	RFJ	Roots Fine Joint	1653	M 1
	119.8	MWLS(F03)	Miscellaneous Water Level Sag	1678	S 2
	122.7	MWLS(S05)	Miscellaneous Water Level Sag	1703	S 2
	122.7	FM(F04)	Fracture Multiple	1711	S 4
ш	131.7	RFJ	Roots Fine Joint	1792	M 1
	131.7	FM(S06)	Fracture Multiple	1844	S 4
	133.3	RFB	Roots Fine Barrel	1880	M 2
	134.3	RFB	Roots Fine Barrel	1930	M 2
	134.4	В	Broken	1943	S 4
	136.8	RMJ	Roots Medium Joint	1979	M 3
	138.0	MWLS(F05)	Miscellaneous Water Level Sag	2033	S 2
	138.0	FM(F06)	Fracture Multiple	2045	S 4
	139.3	RMJ	Roots Medium Joint	2088	M 3
	144.7	RMJ	Roots Medium Joint	2159	M 3
	146.7	RMJ	Roots Medium Joint	2308	M 3
	149.3	RMJ	Roots Medium Joint	2360	M 3
//	149.5	В	Broken	2437	S 4
	152.1	MMC	Miscellaneous Material Change	2487	NA
	152.1	JOM	Joint Offset Medium	2508	S 3
	155.4	MMC	Miscellaneous Material Change	2567	NA
	155.4	FM	Fracture Multiple	2591	S 4
	155.9	АМН	Manhole	2718	NA
504-0	38				



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-504-024



Code: MWL

Description: Miscellaneous Water Level

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

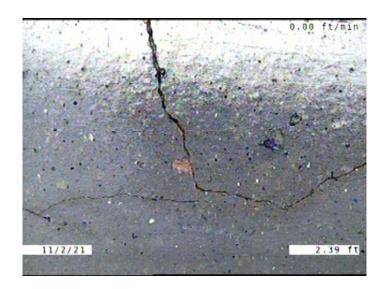
Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 5.000

Continuous Index:

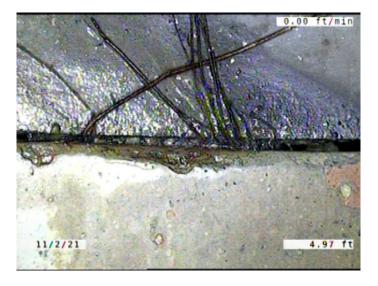
Within 8" of Joint: NO



Code: FM
Description: Fracture Multiple

Distance (ft): 2.4 Structural Grade: 4 O&M Grade: 0 Clock Start/From: 10 Clock To: 2 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: YES

Remarks:



Code: RFJ

Description: Roots Fine Joint

Distance (ft): 5.0
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: IDJ

Description: Infiltration Dripper Joint

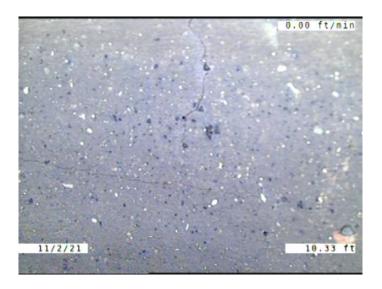
Distance (ft): 5.0
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 4

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

Within 8" of Joint:

Remarks:

YES



Code: CM

Description: Crack Multiple

Distance (ft): 10.3
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 11
Clock To: 4
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint: YES



Code: JSM

Description: Joint Separated Medium

Distance (ft): 10.3
Structural Grade: 3
O&M Grade: 0

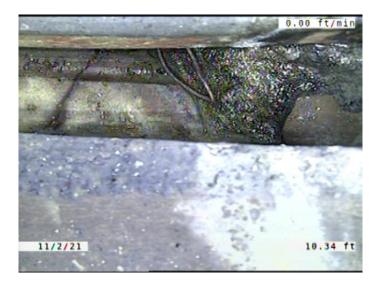
Clock Start/From: Clock To:

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

Within 8" of Joint:

Remarks:

NO



Code: RFJ

Description: Roots Fine Joint

Distance (ft): 10.3
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 4

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

Within 8" of Joint: YES



Code: CM

Description: Crack Multiple

Distance (ft): 12.9
Structural Grade: 3
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: MWLS

Description: Miscellaneous Water Level Sag

Distance (ft): 15.4
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



Code: RFJ
Description: Roots Fine Joint

Distance (ft): 18.1
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 9

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

Within 8" of Joint:

Remarks:

YES



Code: **FM**

Description: Fracture Multiple

Distance (ft): 18.1
Structural Grade: 4

O&M Grade: 0

Clock Start/From: 10

Clock To: 2

1st Value: 2

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES



Code: RFJ

Description: **Roots Fine Joint**

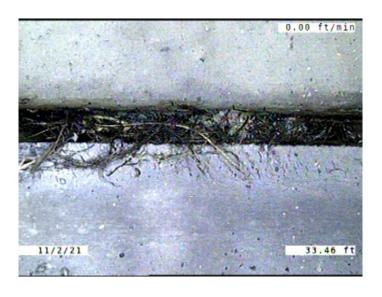
Distance (ft): 25.9 Structural Grade: 0 O&M Grade: 1 Clock Start/From: 11

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

Within 8" of Joint:

Remarks:

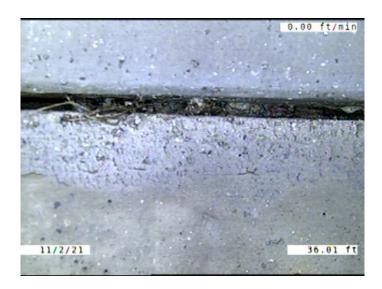
YES



RFJ Code:

Description: **Roots Fine Joint**

Distance (ft): 33.5 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:



Code: RFJ

Description: **Roots Fine Joint**

Distance (ft): 36.0 Structural Grade: 0 O&M Grade: 1 Clock Start/From: 9 Clock To: 12

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

Within 8" of Joint:

Remarks:

YES



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

Distance (ft): 39.9 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



Code: MWLS

Description: Miscellaneous Water Level Sag

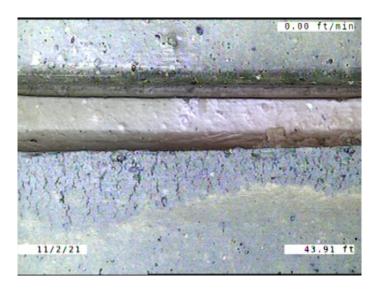
Distance (ft): 42.7
Structural Grade: 2
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

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

Remarks:



Code: JAM

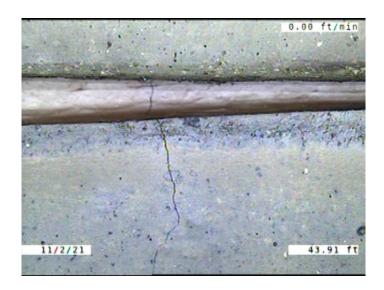
Description: Joint Angular Medium

Distance (ft): 43.9
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: CM

Description: Crack Multiple

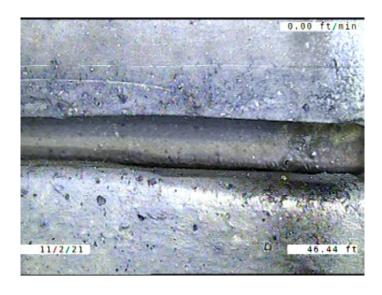
Distance (ft): 43.9
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 2
Clock To: 4

1st Value: 2nd Value: Value Percent:

Continuous Index: Within 8" of Joint:

Remarks:

YES



Code: JAM

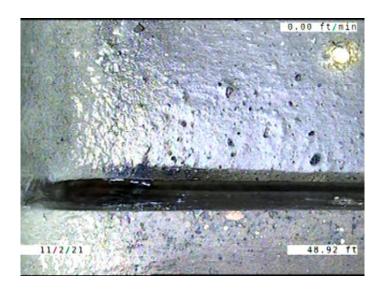
Description: Joint Angular Medium

Distance (ft): 46.4
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: IRJ

Description: Infiltration Runner Joint

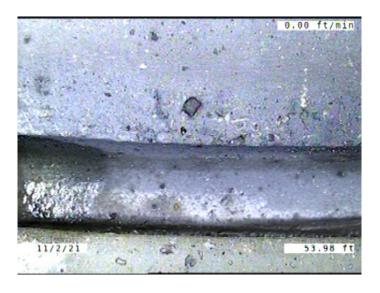
Distance (ft): 48.9
Structural Grade: 0
O&M Grade: 4
Clock Start/From: 8

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

Within 8" of Joint:

Remarks:

YES



Code: JAM

Description: Joint Angular Medium

Distance (ft): 54.0
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: MWLS

Description: Miscellaneous Water Level Sag

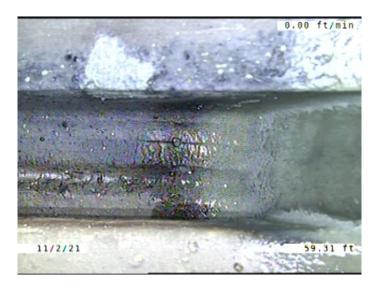
Distance (ft): 54.0
Structural Grade: 2
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

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

Remarks:



Code: JAM

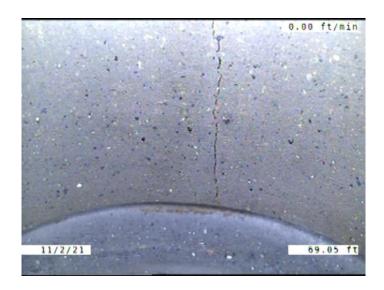
Description: Joint Angular Medium

Distance (ft): 59.3
Structural Grade: 3
O&M Grade: 0

Clock Start/From:

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

Within 8" of Joint: NO



Code: CL

Description: Crack Longitudinal

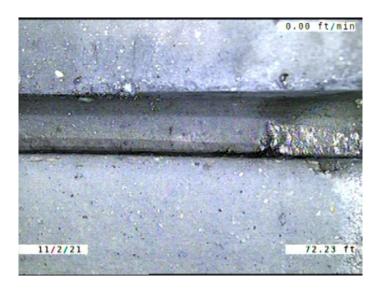
Distance (ft): 69.0
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 12

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

Within 8" of Joint:

Remarks:

YES



Code: JAM

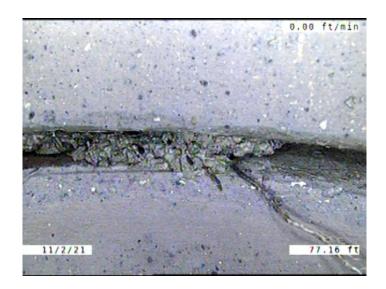
Description: Joint Angular Medium

Distance (ft): 72.2
Structural Grade: 3
O&M Grade: 0

Clock Start/From:

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

Within 8" of Joint: NO



Code: RFJ
Description: Roots Fine Joint

Distance (ft): 77.2 Structural Grade: 0 O&M Grade: 1 Clock Start/From: 12 Clock To: 2 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: YES

Remarks:



Code: B
Description: Broken

Distance (ft): 87.0 Structural Grade: 4 O&M Grade: 0 Clock Start/From: 7 2 Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: YES Remarks:



Code: MWLS

Description: Miscellaneous Water Level Sag

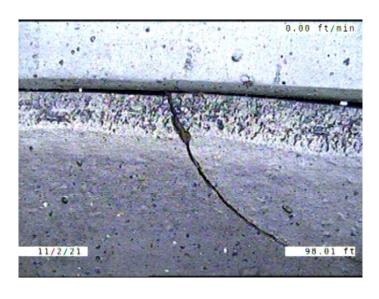
Distance (ft): 90.8
Structural Grade: 2
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

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

Remarks:



Code: B

Description: Broken

Distance (ft): 98.0
Structural Grade: 4
O&M Grade: 0
Clock Start/From: 10
Clock To: 3
1st Value:
2nd Value:
Value Percent:

Within 8" of Joint: YES

Continuous Index:



Code: **FM**

Description: Fracture Multiple

Distance (ft): 100.7
Structural Grade: 4

O&M Grade: 0

Clock Start/From: 8

Clock To: 4

Clock To: 1st Value: 2nd Value:

Value Percent:

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

Remarks:



Code: SZ

Description: Surface Damage Other

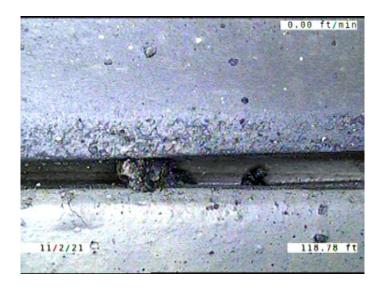
Distance (ft): 103.1
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 8
Clock To: 10

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

Within 8" of Joint: YES

Remarks: A PIECE CHIPPED AWAY FROM THE

JOINT



Code: RFJ

Description: **Roots Fine Joint**

Distance (ft): 118.8 Structural Grade: 0 O&M Grade: 1 Clock Start/From: 2 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): 119.8 Structural Grade: 2 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

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



Code: MWLS

Description: Miscellaneous Water Level Sag

Distance (ft): 122.7
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: **FM**

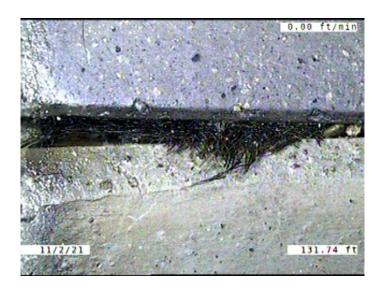
Description: Fracture Multiple

Distance (ft): 122.7
Structural Grade: 4
O&M Grade: 0
Clock Start/From: 8
Clock To: 4
1st Value:
2nd Value:

Continuous Index: F04
Within 8" of Joint: YES

Remarks:

Value Percent:



Code: RFJ

Description: Roots Fine Joint

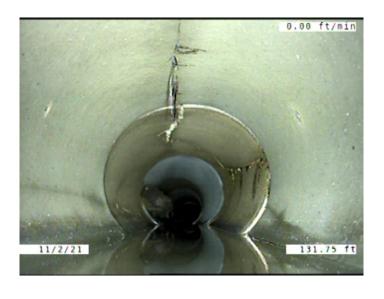
Distance (ft): 131.7
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 9

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

Within 8" of Joint:

Remarks:

YES



Code: FM

Description: Fracture Multiple

Distance (ft): 131.7
Structural Grade: 4

O&M Grade: 0

Clock Start/From: 8

Clock To: 4

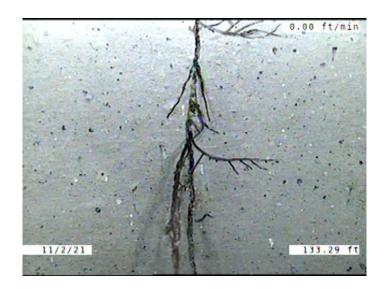
1st Value: 2

2nd Value:

Continuous Index: S06
Within 8" of Joint: YES

Remarks:

Value Percent:



Code: **RFB**

Description: **Roots Fine Barrel**

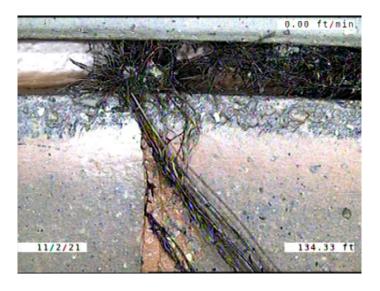
Distance (ft): 133.3 Structural Grade: 0 2 O&M Grade: Clock Start/From: 12

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

Within 8" of Joint:

Remarks:

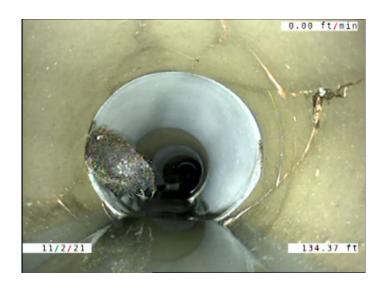
NO



RFB Code:

Description: **Roots Fine Barrel**

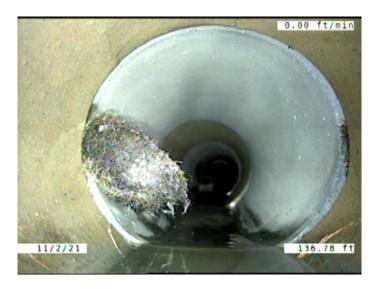
Distance (ft): 134.3 Structural Grade: 0 O&M Grade: 2 Clock Start/From: 2 3 Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint:



Code: B
Description: Broken

Distance (ft): 134.4 Structural Grade: 4 O&M Grade: 0 Clock Start/From: 1 Clock To: 5 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: YES

Remarks:



Code: RMJ

Description: Roots Medium Joint

Distance (ft): 136.8

Structural Grade: 0

O&M Grade: 3

Clock Start/From: 8

Clock To: 4

1st Value: 2nd Value:

Value Percent: 10.000

Continuous Index:

Within 8" of Joint: YES



Code: MWLS

Description: Miscellaneous Water Level Sag

Distance (ft): 138.0
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: FM

Description: Fracture Multiple

Distance (ft): 138.0
Structural Grade: 4

O&M Grade: 0
Clock Start/From: 8

Clock To: 4

1st Value:
2nd Value:

Value Percent:

Continuous Index: F06

Within 8" of Joint: YES



Code: RMJ

Description: Roots Medium Joint

Distance (ft): 139.3
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 8
Clock To: 11

1st Value: 2nd Value:

Value Percent: 10.000

Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: RMJ

Description: Roots Medium Joint

Distance (ft): 144.7
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 7
Clock To: 3
1st Value:
2nd Value:

Value Percent: 25.000

Continuous Index:

Within 8" of Joint: YES



Code: RMJ

Description: Roots Medium Joint

Distance (ft): 146.7
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 10
Clock To: 11

1st Value: 2nd Value:

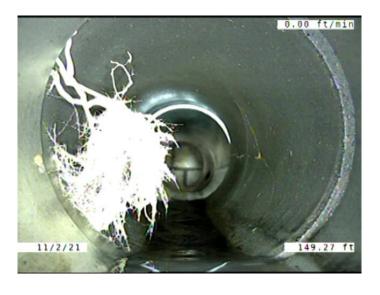
Value Percent: 5.000

Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: RMJ

Description: Roots Medium Joint

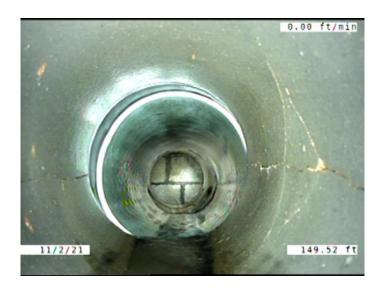
Distance (ft): 149.3
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 10
Clock To: 11

1st Value: 2nd Value:

Value Percent: 10.000

Continuous Index:

Within 8" of Joint: YES



Code: B
Description: Broken

Distance (ft): 149.5
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: MMC

Description: Miscellaneous Material Change

Distance (ft): 152.1
Structural Grade: 0

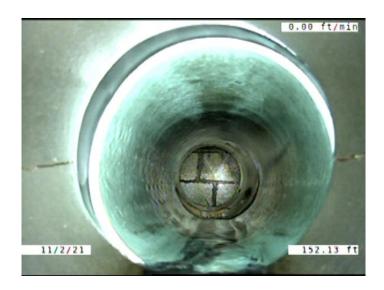
O&M Grade: 0

Clock Start/From:

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

Within 8" of Joint: NO

Remarks: VCP TO PVC



Code: JOM

Description: **Joint Offset Medium**

Distance (ft): 152.1 Structural Grade: 3 0 O&M Grade:

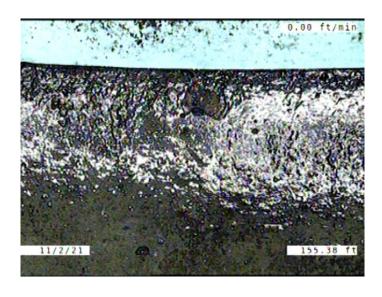
Clock Start/From:

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

Within 8" of Joint:

Remarks:

NO



Code: MMC

Description: **Miscellaneous Material Change**

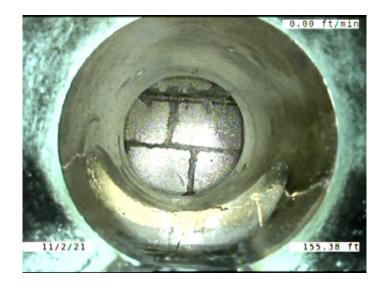
Distance (ft): 155.4 Structural Grade: 0 O&M Grade: 0

Clock Start/From:

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

Within 8" of Joint: NO

PVC TO VCP Remarks:



Code: FM

Description: Fracture Multiple

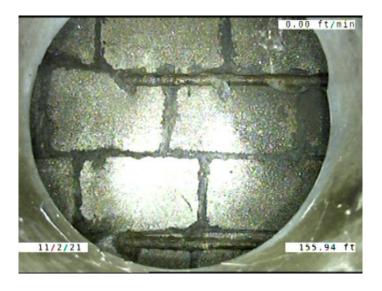
Distance (ft): 155.4
Structural Grade: 4
O&M Grade: 0
Clock Start/From: 4
Clock To: 8

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

Within 8" of Joint:

Remarks:

YES



Code: AMH
Description: Manhole

Distance (ft): 155.9
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-504-038