Profile/Photo Observation Report



02/20/2024 Date: **PACP 7.0** Weather: Coding: Pipe Length (ft): 218.0 Owner: **City of Hobart** Pre Clean: **Heavy Cleaning** P.O.#: S. Bucklin PSR: P-606-079-078 YES502259 Surveyor:

Customer: City of Hobart Clean Date: 11/30/2022 Shape: C

Street: S PENNSYLVANIA ST Flow Control: Not Controlled

City: Hobart, IN Year Renewed:
Location: Easement/Right of Way Tape/Media #:

Purpose:Sewer System Evaluation Survey (SS Dia/Height:10"Use:Sanitary Sewage PipeMaterial:VCPDrain Area:Lining:None

C. Lining.

Category: NA

Comment:

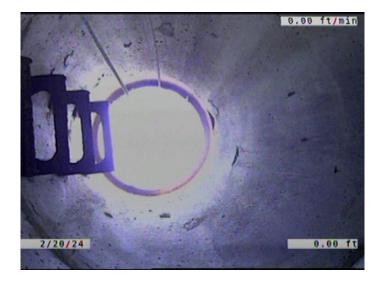
Location Details: Direction of Survey: **Downstream**

US MH: M-606-078 DS MH: M-606-079 Total Length Surveyed (ft): 216.9

1.97 352Q 205.00 O&M Index: O&M Quick: O&M Rating: 2.36 5141 92.00 Structural Rating: Structural Index: Structural Quick: 2.08 297.00 5141 Overall Quick: Overall Rating: Overall Index:

	Position	Code	Observation	Video (sec)	Grade
M(606-)	078				
\mathcal{A}	0.	AMH	Manhole	0	NA
	.0	MWL	Miscellaneous Water Level	78	NA
	1.5	DAE	Deposits Attached Encrustation	138	M 2
	1.5	MWLS(S01)	Miscellaneous Water Level Sag	153	S 2
	1.5	DSF(S02)	Deposits Settled Fine	163	M 2
	6.5	TFD	Tap Factory Defective	211	M 3
	7.4	DAE(S03)	Deposits Attached Encrustation	292	M 2
	14.1	MWLS(F01)	Miscellaneous Water Level Sag	328	S 2
	20.5	TFD	Tap Factory Defective	408	M 3
8	21.7	B(S04)	Broken	553	S 4
Camera Direction	21.7	RFJ	Roots Fine Joint	594	M 1
ig	22.9	BVV	Broken Void Visible	628	S 5
Jerg /	23.7	RFB	Roots Fine Barrel	649	M 2
- P	25.8	B(F04)	Broken	681	S 4
,	29.0	MWLS(S06)	Miscellaneous Water Level Sag	716	S 2
111	41.2	DAR	Deposits Attached Ragging	798	M 2
↓	45.1	MWLS(F06)	Miscellaneous Water Level Sag	831	S 2
	52.5	MWLS(S07)	Miscellaneous Water Level Sag	895	S 2
	62.3	RFJ	Roots Fine Joint	983	M 1

	52.3	IWJ	Infiltration Weeper Joint	994	M 2
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	53.0	RFC	Roots Fine Connection	1029	M 1
 	53.4	TFD	Tap Factory Defective	1074	M 3
\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	54.4	IWJ	Infiltration Weeper Joint	1126	M 2
<u> </u> \[\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	54.4	RFJ	Roots Fine Joint	1139	M 1
 	54.4	JAM	Joint Angular Medium	1151	S 3
	54.4	MWLS(F07)	Miscellaneous Water Level Sag	1163	S 2
\ \\ <u>\</u>	59.8	MWLS(S08)	Miscellaneous Water Level Sag	1205	S 2
	91.5	MWLS(F08)	Miscellaneous Water Level Sag	1338	S 2
<u> </u>	93.7	RFC	Roots Fine Connection	1385	M 1
\\\ <u>`</u>	93.7	TFD	Tap Factory Defective	1411	M 3
	94.2	MWLS(S09)	Miscellaneous Water Level Sag	1432	S 2
	99.2	JOMD	Joint Offset Medium Defective	1495	S 3
1 1 1 1	108.1	RFJ	Roots Fine Joint	1597	M 1
	110.0	MWLS(F09)	Miscellaneous Water Level Sag	1628	S 2
	115.2	MWLS(S10)	Miscellaneous Water Level Sag	1693	S 2
	119.5	RFJ	Roots Fine Joint	1763	M 1
	120.1	TFD	Tap Factory Defective	1787	M 3
	120.1	RFC	Roots Fine Connection	1799	M 1
	124.0	MWLS(F10)	Miscellaneous Water Level Sag	1850	S 2
	126.3	MWLS(S11)	Miscellaneous Water Level Sag	1869	S 2
±_1	156.0	MWLS(F11)	Miscellaneous Water Level Sag	2053	S 2
 \\`3	157.3	JAM	Joint Angular Medium	2098	S 3
\\1	L58.7	MWLS(S12)	Miscellaneous Water Level Sag	2121	S 2
	172.5	MWLS(F12)	Miscellaneous Water Level Sag	2182	S 2
	173.6	IWJ	Infiltration Weeper Joint	2216	M 2
1	180.5	MWLS(S13)	Miscellaneous Water Level Sag	2312	S 2
1/1	189.7	RPR(S14)	Point Repair Replacement	2384	NA
	192.8	MWLS(F13)	Miscellaneous Water Level Sag	2416	S 2
	193.4	JOMD	Joint Offset Medium Defective	2429	S 3
	194.1	JAM	Joint Angular Medium	2477	S 3
1	194.1	RPR(F14)	Point Repair Replacement	2491	NA
	195.5	MWLS(S15)	Miscellaneous Water Level Sag	2516	S 3
2	215.4	DAE(F03)	Deposits Attached Encrustation	2805	M 2
	215.7	DSF(F02)	Deposits Settled Fine	2825	M 2
	215.8	MWLS(F15)	Miscellaneous Water Level Sag	2839	S 3
	216.9	AMH	Manhole	2933	NA



Code: AMH Description: Manhole

Distance (ft): .0 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: M-606-078



MWL Code:

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: DAE

Description: Deposits Attached Encrustation

Distance (ft): 1.5
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 7
Clock To: 5

1st Value: 2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint:

Remarks:

YES



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

Remarks:



Code: **DSF**

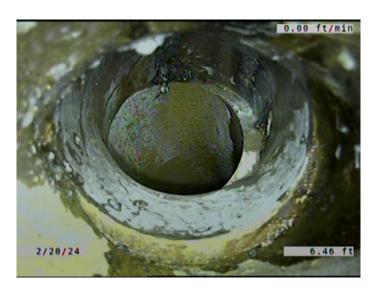
Description: Deposits Settled Fine

Distance (ft): 1.5
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 5
Clock To: 7

1st Value: 2nd Value:

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

Remarks:



Code: **TFD**

Description: Tap Factory Defective

Distance (ft): 6.5
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 1

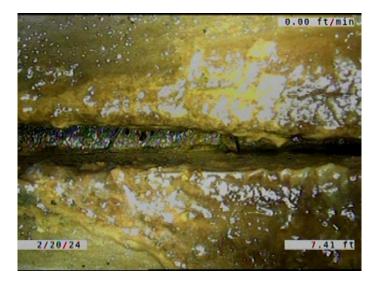
Clock To:

1st Value: **6.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: TAP CRACKED. SERVICE CRACKED. SERVICE OFFSET WITH ROOTS GRO



Code: DAE

Description: **Deposits Attached Encrustation**

Distance (ft): 7.4 Structural Grade: 0 2 O&M Grade: Clock Start/From: 7 Clock To: 5

1st Value: 2nd Value:

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

Remarks:



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

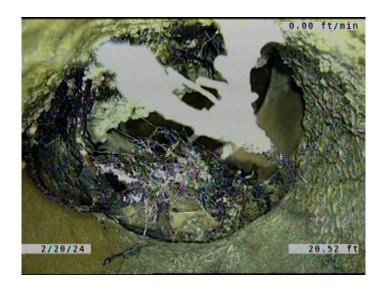
Distance (ft): 14.1 Structural Grade: 2 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

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

Remarks:



Code: **TFD**

Description: Tap Factory Defective

Distance (ft): 20.5
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 11

Clock To:

1st Value: **6.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: TAP BROKEN. ROOTS GROWING IN

THE JOINTS. ENCRUSTATION COMIN



Code: **B**

Description: Broken

Distance (ft): 21.7
Structural Grade: 4

O&M Grade: 0

Clock Start/From: 12

Clock To: 12

1st Value: 2nd Value:

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

Remarks:

marks

Value Percent:



Code: RFJ

Description: Roots Fine Joint

Distance (ft): 21.7
Structural Grade: 0

O&M Grade: 1

Clock Start/From: 2

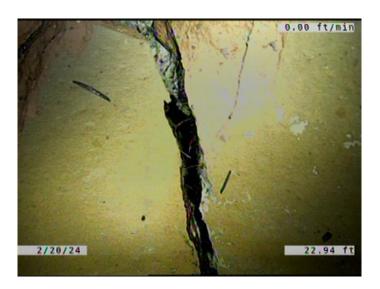
Clock To: 3

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

Within 8" of Joint:

Remarks:

YES



Code: **BVV**

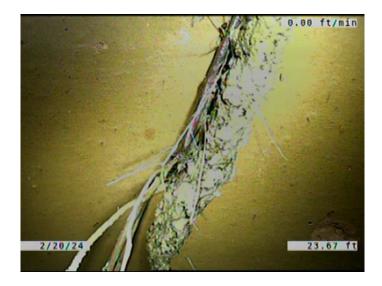
Description: Broken Void Visible

Distance (ft): 22.9
Structural Grade: 5
O&M Grade: 0
Clock Start/From: 12
Clock To: 2
1st Value: 2
2nd Value:

Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: **RFB**

Description: **Roots Fine Barrel**

NO

Distance (ft): 23.7 Structural Grade: 0 2 O&M Grade: Clock Start/From: 11 Clock To: 12 1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: Remarks:

0.00 ft/min 2/20/24

Code: В

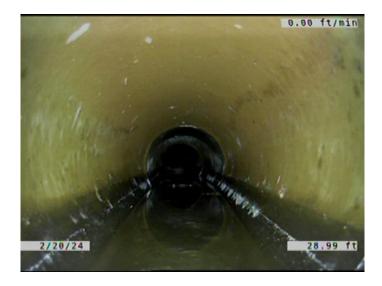
Description: Broken

Distance (ft): 25.8 Structural Grade: 4 O&M Grade: 0 Clock Start/From: 12 12 Clock To: 1st Value:

2nd Value: Value Percent: Continuous Index:

F04 Within 8" of Joint: YES

Remarks:



2/20/24

Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

Distance (ft): 29.0 Structural Grade: 2 0 O&M Grade:

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 10.000 **S06** Continuous Index: Within 8" of Joint: NO

Remarks:

Code: DAR

Description: **Deposits Attached Ragging**

Distance (ft): 41.2 Structural Grade: 0 O&M Grade: 2 Clock Start/From: 6 8 Clock To: 1st Value:

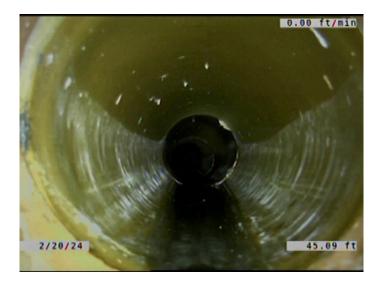
2nd Value:

Value Percent: 10.000

Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

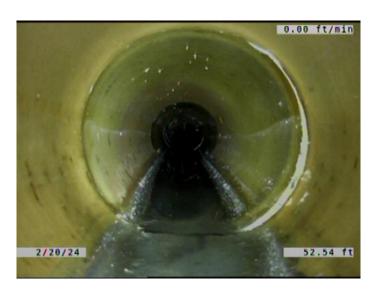
Distance (ft): 45.1 Structural Grade: 2 0 O&M Grade:

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 10.000 F06 Continuous Index: Within 8" of Joint: NO

Remarks:



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

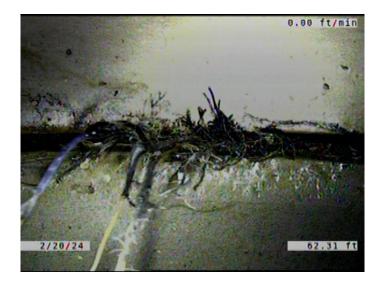
Distance (ft): 52.5 Structural Grade: 2 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 10.000 Continuous Index: **S07** Within 8" of Joint: NO

Remarks:



Code: RFJ

Description: Roots Fine Joint

Distance (ft): 62.3
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 8
Clock To: 2

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

Within 8" of Joint:

Remarks:

YES



Code: IWJ

Description: Infiltration Weeper Joint

Distance (ft): 62.3
Structural Grade: 0

O&M Grade: 2

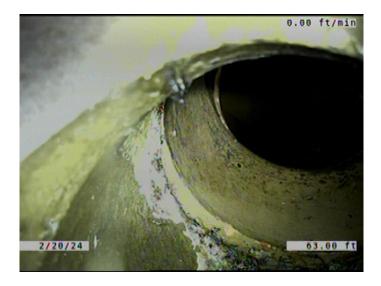
Clock Start/From: 11

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

Within 8" of Joint: YES

Remarks:

les.



Code: RFC

Description: Roots Fine Connection

Distance (ft): 63.0
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 12
Clock To: 1

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

Within 8" of Joint:

Remarks:

NO



Code: **TFD**

Description: Tap Factory Defective

Distance (ft): 63.4
Structural Grade: 0

O&M Grade: 3

Clock Start/From: 1

Clock To:

1st Value: **6.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: SERVICE OFFSET. ROOTS AND

ENCRUSTATION COMING FROM THE



Code: IWJ

Description: Infiltration Weeper Joint

Distance (ft): 64.4
Structural Grade: 0

O&M Grade: 2

Clock Start/From: 11

Clock To: 1

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

Within 8" of Joint:

Remarks:

YES



Code: RFJ

Description: Roots Fine Joint

Distance (ft): 64.4
Structural Grade: 0

O&M Grade: 1

Clock Start/From: 7

Clock To: 5

1st Value:

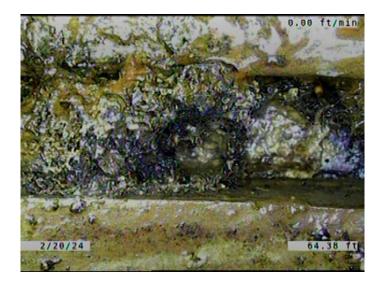
2nd Value:

Value Percent:

Within 8" of Joint: YES

Remarks:

Continuous Index:



Code: JAM

Description: Joint Angular Medium

Distance (ft): 64.4 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**

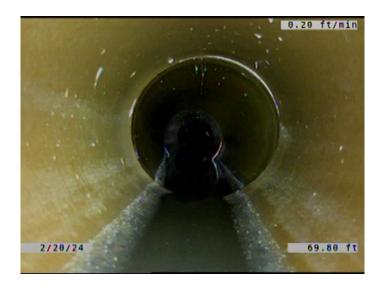
Distance (ft): 64.4 Structural Grade: 2 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 10.000 Continuous Index: F07 Within 8" of Joint: NO

Remarks:



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

Distance (ft): 69.8 Structural Grade: 2 0 O&M Grade:

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 15.000 **S08** Continuous Index: Within 8" of Joint: NO

Remarks:



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

Distance (ft): 91.5 Structural Grade: 2 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 15.000 Continuous Index: F08 Within 8" of Joint: NO

Remarks:



Code: RFC

Description: Roots Fine Connection

Distance (ft): 93.7
Structural Grade: 0

O&M Grade: 1

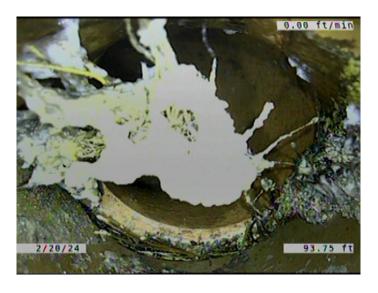
Clock Start/From: 11

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

Within 8" of Joint:

Remarks:

NO



Code: **TFD**

Description: Tap Factory Defective

Distance (ft): 93.7
Structural Grade: 0

O&M Grade: 3

Clock Start/From: 11

Clock To:

1st Value: **6.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: SERVICE OFFSET. ROOTS AND

ENCRUSTATION COMING FROM THE



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

Distance (ft): 94.2 Structural Grade: 2 0 O&M Grade:

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 10.000 Continuous Index: **S09** Within 8" of Joint: NO

Remarks:



Code: **JOMD**

Description: **Joint Offset Medium Defective**

Distance (ft): 99.2 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

Remarks:



Code: RFJ

Description: **Roots Fine Joint**

Distance (ft): 108.1 Structural Grade: 0

O&M Grade: 1 Clock Start/From: 2

Clock To: 3

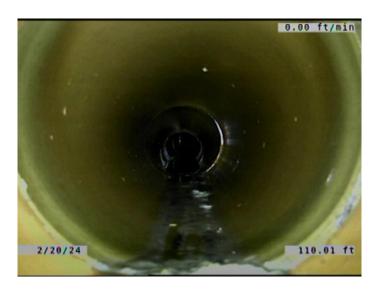
1st Value: 2nd Value: Value Percent:

Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

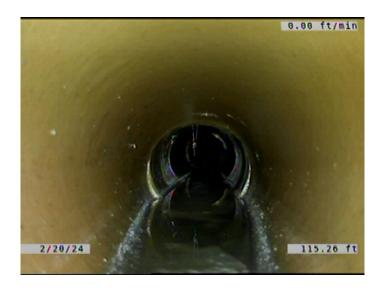
Distance (ft): 110.0 Structural Grade: 2 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 10.000 Continuous Index: F09 Within 8" of Joint: NO

Remarks:



Code: MWLS

Description: Miscellaneous Water Level Sag

Distance (ft): 115.2
Structural Grade: 2
O&M Grade: 0

Clock Start/From: Clock To: 1st Value:

1st Value: 2nd Value:

Value Percent: 10.000
Continuous Index: \$10
Within 8" of Joint: NO

Remarks:



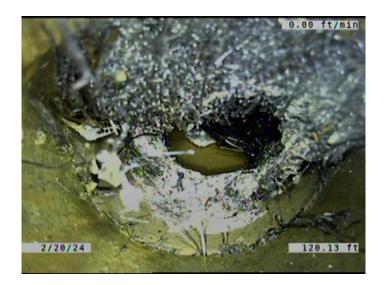
Code: RFJ

Description: Roots Fine Joint

Distance (ft): 119.5
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 12
Clock To: 4
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: **TFD**

Description: Tap Factory Defective

Distance (ft): 120.1
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 1

Clock To:

1st Value: **6.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: 85% PLUGGED. ROOTS AND

ENCRUSTATION COMING DOWN THE



Code: RFC

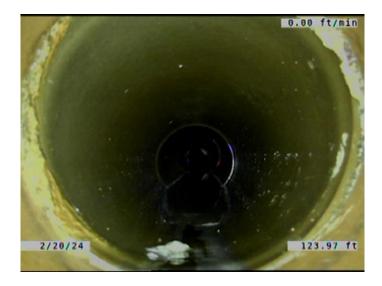
Description: Roots Fine Connection

Distance (ft): 120.1
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 12
Clock To: 1
1st Value:
2nd Value:

Value Percent: Continuous Index:

Within 8" of Joint: NO

Remarks:



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

Distance (ft): 124.0 Structural Grade: 2 0 O&M Grade:

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 10.000 F10 Continuous Index: Within 8" of Joint: NO

Remarks:



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

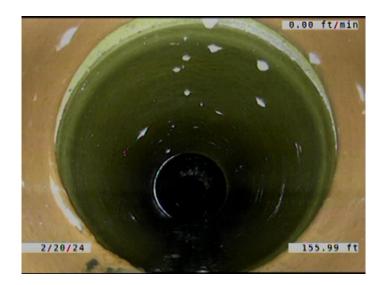
Distance (ft): 126.3 Structural Grade: 2 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 30.000 Continuous Index: **S11** Within 8" of Joint: NO

Remarks:



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: 30.000
Continuous Index: F11
Within 8" of Joint: NO

Remarks:



Code: JAM

Description: Joint Angular Medium

Distance (ft): 157.3
Structural Grade: 3
O&M Grade: 0

Clock Start/From:

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

Within 8" of Joint: NO

Remarks:



Code: MWLS

Description: Miscellaneous Water Level Sag

Distance (ft): 158.7
Structural Grade: 2
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 10.000
Continuous Index: S12
Within 8" of Joint: NO

Remarks:



Code: MWLS

Description: Miscellaneous Water Level Sag

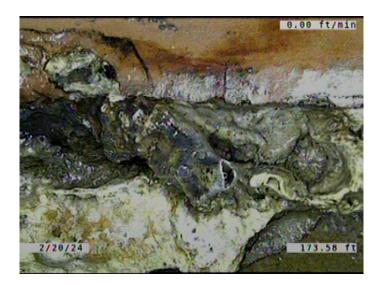
Distance (ft): 172.5
Structural Grade: 2
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 10.000
Continuous Index: F12
Within 8" of Joint: NO

Remarks:



Code: IWJ

Description: **Infiltration Weeper Joint**

Distance (ft): 173.6 Structural Grade: 0 2 O&M Grade:

Clock Start/From: 1 Clock To: 2

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

Within 8" of Joint:

Remarks:

YES



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

Distance (ft): 180.5 Structural Grade: 2 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 5.000 Continuous Index: **S13** Within 8" of Joint: NO

Remarks:



Code: RPR

Description: **Point Repair Replacement**

Distance (ft): 189.7 Structural Grade: 0 0 O&M Grade:

Clock Start/From:

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

Continuous Index: **S14** Within 8" of Joint: YES

Remarks: **REPLACED WITH PVC.**



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

Distance (ft): 192.8 Structural Grade: 2 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 5.000 Continuous Index: F13 Within 8" of Joint: NO

Remarks:



Code: JOMD

Description: Joint Offset Medium Defective

Distance (ft): 193.4
Structural Grade: 3
O&M Grade: 0

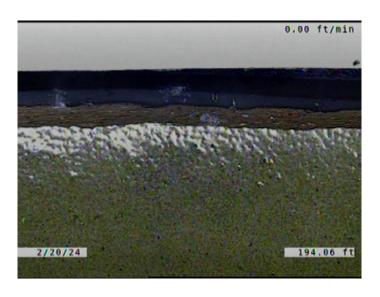
Clock Start/From:

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

Within 8" of Joint:

Remarks:

NO



Code: JAM

Description: Joint Angular Medium

Distance (ft): 194.1
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:

velen.



Code: RPR

Description: Point Repair Replacement

Distance (ft): 194.1
Structural Grade: 0
O&M Grade: 0

Clock Start/From:

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

Continuous Index: F14
Within 8" of Joint: YES

Remarks: **REPLACED WITH PVC.**



Code: MWLS

Description: Miscellaneous Water Level Sag

Distance (ft): 195.5
Structural Grade: 3
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 40.000
Continuous Index: S15
Within 8" of Joint: NO

Remarks:

itnin 8 O



Code: DAE

Description: **Deposits Attached Encrustation**

Distance (ft): 215.4 Structural Grade: 0 2 O&M Grade: Clock Start/From: 7 Clock To: 5

1st Value: 2nd Value:

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

Remarks:



DSF Code:

Description: **Deposits Settled Fine**

Distance (ft): 215.7 Structural Grade: 0 O&M Grade: 2 Clock Start/From: 5 7 Clock To: 1st Value:

2nd Value: Value Percent: 5.000 Continuous Index: F02 Within 8" of Joint: YES

Remarks:



Code: MWLS

Description: Miscellaneous Water Level Sag

Distance (ft): 215.8
Structural Grade: 3
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 40.000
Continuous Index: F15
Within 8" of Joint: NO

Remarks:



Code: AMH
Description: Manhole

Distance (ft): 216.9
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-606-079