Profile/Photo Observation Report



Date: 07/24/2023 Weather: **PACP 7.0** Coding: Pipe Length (ft): 204.0 Owner: **City of Hobart** Pre Clean: **Heavy Cleaning** P.O.#: S. Bucklin P-902-018-032 YES502259 Surveyor: PSR: Customer: **City of Hobart** Clean Date: 06/02/2023 Shape:

Street: East 34th Court Flow Control: Not Controlled

City: Hobart, IN Year Renewed: Location: Easement/Right of Way 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-902-032 DS MH: M-902-018 Total Length Surveyed (ft): 213.2

2.06 338.00 O&M Index: O&M Quick: O&M Rating: 3.25 5348 166.00 Structural Rating: Structural Index: Structural Quick: 2.34 504.00 534B Overall Quick: Overall Rating: Overall Index:

	Position	Code	Observation	Video (sec)	Grade
M(902	-032				
	0.	AMH	Manhole	0	NA
		MWL	Miscellaneous Water Level	90	NA
	3.7	JAM	Joint Angular Medium	184	S 3
- 11	3.7	MMC	Miscellaneous Material Change	202	NA
	6.7	LD	Line Down	231	M 2
-	7.4	В	Broken	296	S 4
- 11	7.4	DAE	Deposits Attached Encrustation	309	M 2
- 11	9.5	JAL	Joint Angular Large	345	S 4
- 11	9.5	DAE(S01)	Deposits Attached Encrustation	395	M 2
6	9.5	DAE	Deposits Attached Encrustation	415	M 2
ecti	17.7	JAM	Joint Angular Medium	483	S 3
	19.8	LL(S03)	Line Left	552	M 4
Camera Direction	20.1	DSF(S04)	Deposits Settled Fine	564	M 2
ž 🔛	28.0	DAE	Deposits Attached Encrustation	637	M 2
ш	28.0	IWJ	Infiltration Weeper Joint	649	M 2
	30.1	DAE	Deposits Attached Encrustation	710	M 2
↓	34.0	LL(F03)	Line Left	748	M 4
	41.8	IWJ(S06)	Infiltration Weeper Joint	847	M 2
	44.1	DAE(S05)	Deposits Attached Encrustation	876	M 2

Monday, February 19, 2024

<u></u>	DAE(F05)	Deposits Attached Encrustation	986	M 2
50.1	DAE(S07)	Deposits Attached Encrustation	999	M 2
51.1	LR(S08)	Line Right	1023	M 4
61.1	В	Broken	1155	S 4
62.5	LR(F08)	Line Right	1178	M 4
66.5	MWLS(S09)	Miscellaneous Water Level Sag	1218	S 3
70.6	LL	Line Left	1245	M 1
73.0	LR	Line Right	1266	M 1
78.9	RFJ	Roots Fine Joint	1326	M 1
129.5	CM	Crack Multiple	1596	S 3
141.4	FM	Fracture Multiple	1713	S 4
158.6	LR	Line Right	1791	M 1
162.2	LL	Line Left	1816	M 1
165.4	FM	Fracture Multiple	1888	S 4
168.5	JAM	Joint Angular Medium	1927	S 3
168.5	CM	Crack Multiple	1951	S 3
171.5	В	Broken	2024	S 4
174.1	LR	Line Right	2058	M 2
174.5	JAM	Joint Angular Medium	2082	S 3
175.5	SSS	Surface Damage Surface Spalling	2162	S 2
175.5	TBD	Tap Break-in/Hammer Defective	2177	M 3
183.7	JAM	Joint Angular Medium	2283	S 3
189.7	BVV	Broken Void Visible	2393	S 5
189.7	JAL	Joint Angular Large	2453	S 4
192.6	SMW	Surface Damage Missing Wall	2490	S 5
192.6	JAL	Joint Angular Large	2512	S 4
195.3	SMW	Surface Damage Missing Wall	2562	S 5
195.3	JAM(S11)	Joint Angular Medium	2589	S 3
195.4	LR(S10)	Line Right	2602	M 4
206.9	CM	Crack Multiple	2744	S 3
207.6	LR(F10)	Line Right	2768	M 4
207.6	JAM(F11)	Joint Angular Medium	2776	S 3
207.6	IWJ(F06)	Infiltration Weeper Joint	2784	M 2
210.1	DAE(F01)	Deposits Attached Encrustation	2818	M 2
210.1	DSF(F04)	Deposits Settled Fine	2826	M 2
210.1	DAE(F07)	Deposits Attached Encrustation	2834	M 2
210.1	MWLS(F09)	Miscellaneous Water Level Sag	2842	S 3
213.2	АМН	Manhole	3076	NA

M(902)018



Code: AMH
Description: Manhole

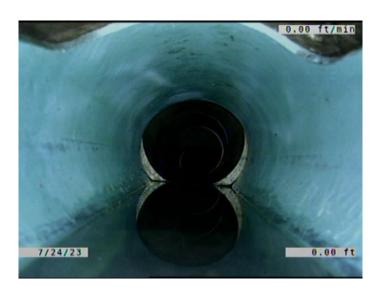
Distance (ft): .0
Structural Grade: 0
O&M Grade: 0

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

Clock Start/From:

Within 8" of Joint: NO

Remarks: M-902-032



Code: MWL

Description: Miscellaneous Water Level

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

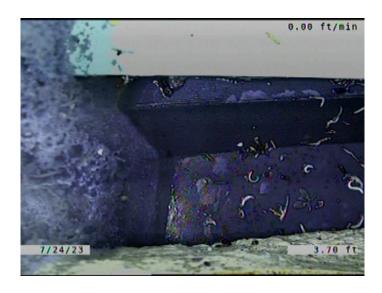
Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 10.000

Continuous Index:

Within 8" of Joint: NO



Code: JAM

Description: Joint Angular Medium

Distance (ft): 3.7
Structural Grade: 3
O&M Grade: 0

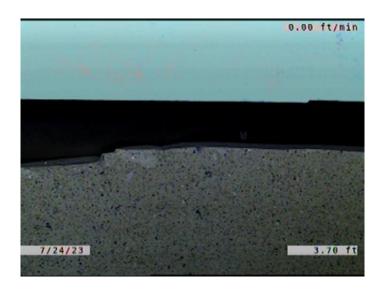
Clock Start/From:

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

Within 8" of Joint:

Remarks:

NO



Code: MMC

Description: Miscellaneous Material Change

Distance (ft): 3.7
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: LD

Description: **Line Down**

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

Clock To:

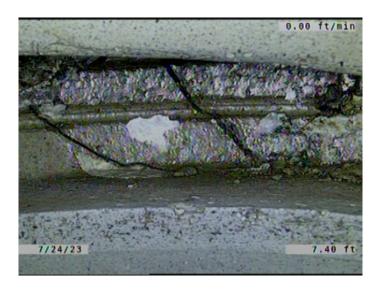
1st Value: 2nd Value:

Value Percent: 15.000

Continuous Index:

Within 8" of Joint: NO

Remarks:



В Code:

Description: Broken

Distance (ft): 7.4 Structural Grade: 4 O&M Grade: 0 Clock Start/From: 12

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

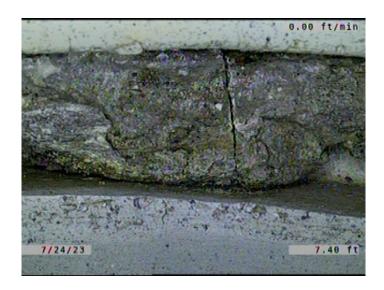
Continuous Index:

Within 8" of Joint:

Remarks:

YES

5



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 7.4
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: YES

Remarks:



Code: JAL

Description: Joint Angular Large

Distance (ft): 9.5
Structural Grade: 4
O&M Grade: 0

Clock Start/From:

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

Within 8" of Joint: NO



Code: DAE

Description: **Deposits Attached Encrustation**

Distance (ft): 9.5 Structural Grade: 0 2 O&M Grade: Clock Start/From: 3 Clock To: 9

1st Value: 2nd Value:

5.000 Value Percent: Continuous Index: **S01** Within 8" of Joint: YES

Remarks:



Code: DAE

Description: **Deposits Attached Encrustation**

Distance (ft): 9.5 Structural Grade: 0 O&M Grade: 2 Clock Start/From: 9 Clock To: 12 1st Value:

2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint: YES



Code: JAM

Description: Joint Angular Medium

Distance (ft): 17.7
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: LL

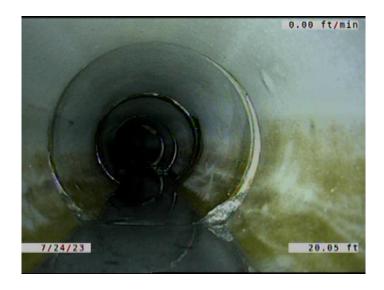
Description: Line Left

Distance (ft): 19.8
Structural Grade: 0
O&M Grade: 4

Clock Start/From:

Clock To:
1st Value:
2nd Value:

Value Percent: 35.000
Continuous Index: S03
Within 8" of Joint: NO



Code: **DSF**

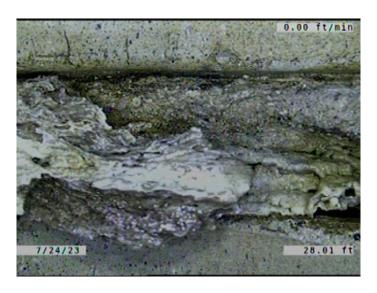
Description: Deposits Settled Fine

Distance (ft): 20.1
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 5
Clock To: 7

1st Value: 2nd Value:

Value Percent: 5.000
Continuous Index: S04
Within 8" of Joint: YES

Remarks:



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 28.0
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 8
Clock To: 4
1st Value:

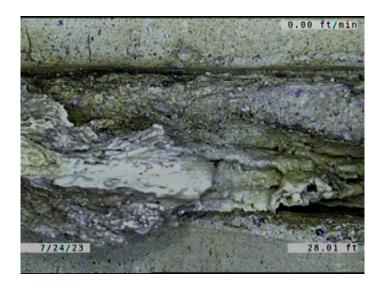
Value Percent: 5.000

Continuous Index:

Within 8" of Joint: YES

Remarks:

2nd Value:



Code: IWJ

Description: Infiltration Weeper Joint

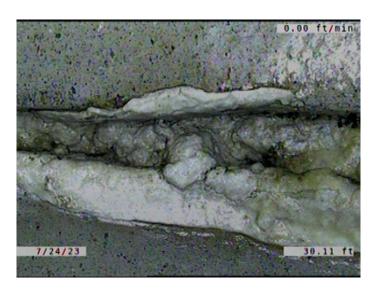
Distance (ft): 28.0
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 2

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

Within 8" of Joint:

Remarks:

YES



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 30.1
Structural Grade: 0

O&M Grade: 2

Clock Start/From: 12

Clock To: 12

1st Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint: YES

Remarks:

2nd Value:



Code: LL
Description: Line Left

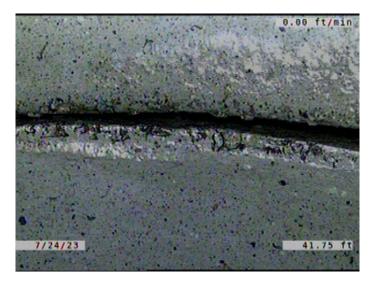
Distance (ft): 34.0
Structural Grade: 0
O&M Grade: 4

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 35.000
Continuous Index: F03
Within 8" of Joint: NO

Remarks:



Code: IWJ

Description: Infiltration Weeper Joint

Distance (ft): 41.8
Structural Grade: 0

O&M Grade: 2

Clock Start/From: 12

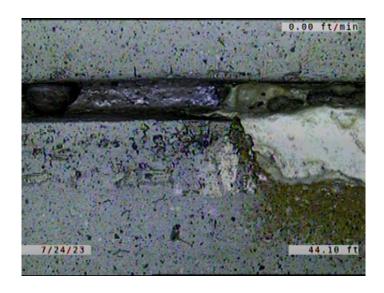
Clock To: 4

1st Value:

2nd Value:

Value Percent:
Continuous Index:

Continuous Index: S06
Within 8" of Joint: YES



Code: DAE

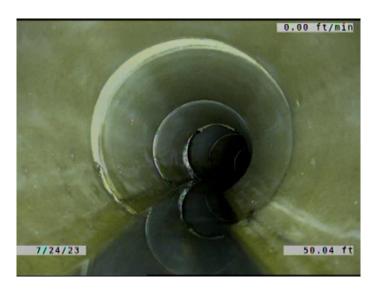
Description: Deposits Attached Encrustation

Distance (ft): 44.1
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 12
Clock To: 4

1st Value: 2nd Value:

Value Percent: 5.000
Continuous Index: S05
Within 8" of Joint: YES

Remarks:



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 50.0
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 12
Clock To: 4
1st Value:

2nd Value: Value Percent:

Value Percent: 5.000
Continuous Index: F05
Within 8" of Joint: YES



Code: DAE

Description: **Deposits Attached Encrustation**

Distance (ft): 50.1 Structural Grade: 0 2 O&M Grade: Clock Start/From: 12 Clock To: 12

1st Value: 2nd Value:

5.000 Value Percent: Continuous Index: **S07** Within 8" of Joint: YES

Remarks:



LR Code:

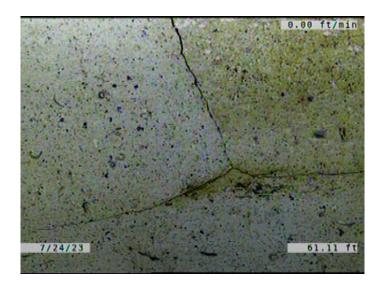
Description: **Line Right**

Distance (ft): 51.1 Structural Grade: 0 O&M Grade: 4

Clock Start/From:

Clock To: 1st Value: 2nd Value:

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



Code: Description: Broken

Distance (ft): 61.1 Structural Grade: 4 0 O&M Grade: Clock Start/From: 8 Clock To: 4 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: YES

Remarks:



Code: LR

Description: **Line Right**

Distance (ft): 62.5 Structural Grade: 0 O&M Grade:

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 35.000 Continuous Index: F08 Within 8" of Joint: NO



Code: MWLS

Description: Miscellaneous Water Level Sag

Distance (ft): 66.5
Structural Grade: 3
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 35.000
Continuous Index: S09
Within 8" of Joint: NO

Remarks:



Code: LL

Description: Line Left

Distance (ft): 70.6
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: LR

Description: Line Right

Distance (ft): 73.0
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:

Remarks:

NO

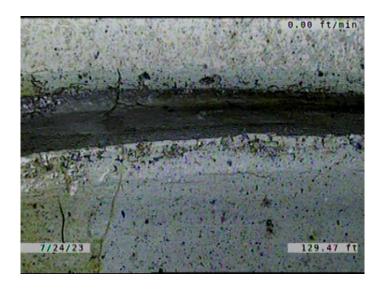


Code: RFJ

Description: Roots Fine Joint

Distance (ft): 78.9
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: YES



Code: CM
Description: Crack Multiple

Distance (ft): 129.5
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: FM

Description: Fracture Multiple

Distance (ft): 141.4
Structural Grade: 4
O&M Grade: 0
Clock Start/From: 8
Clock To: 4
1st Value:
2nd Value:
Value Percent:

Within 8" of Joint:

Continuous Index:

Remarks:

YES



Code: LR

Description: Line Right

Distance (ft): 158.6
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:

Remarks:

NO



Code: LL

Description: Line Left

Distance (ft): 162.2
Structural Grade: 0
O&M Grade: 1

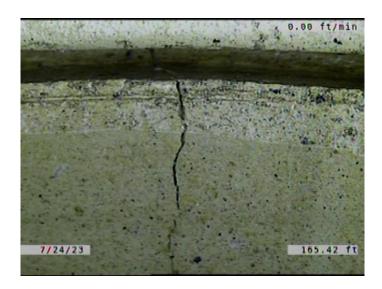
Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint: NO



Code: **FM**

Description: Fracture Multiple

Distance (ft): 165.4
Structural Grade: 4
O&M Grade: 0
Clock Start/From: 10

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

Continuous Index: Within 8" of Joint:

Remarks:

YES

4



Code: JAM

Description: Joint Angular Medium

Distance (ft): 168.5
Structural Grade: 3
O&M Grade: 0

Clock Start/From:

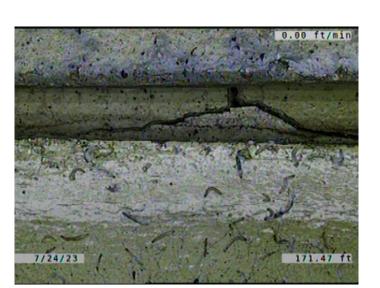
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint: NO



Code: CM
Description: Crack Multiple

Distance (ft): 168.5 Structural Grade: 3 0 O&M Grade: Clock Start/From: 8 Clock To: 4 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: YES



Code: B
Description: Broken

Remarks:

Remarks:

Distance (ft): 171.5
Structural Grade: 4

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

Clock To: 4

1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: YES



Code: LR

Description: Line Right

Distance (ft): 174.1
Structural Grade: 0
O&M Grade: 2

Clock Start/From:

Clock To: 1st Value: 2nd Value:

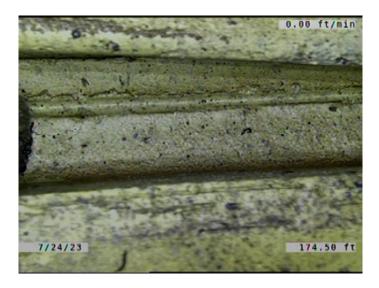
Value Percent: 15.000

Continuous Index:

Within 8" of Joint:

Remarks:

NO



Code: JAM

Description: Joint Angular Medium

Distance (ft): 174.5
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: SSS

Description: Surface Damage Surface Spalling

Distance (ft): 175.5
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 10
Clock To: 2

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

Within 8" of Joint:

Remarks:

YES



Code: TBD

Description: Tap Break-in/Hammer Defective

Distance (ft): 175.5
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 12

Clock To:

1st Value: **6.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: CONSTANTLY RUNNING WATER.
SERVICE BROKEN. LOOKS TO BE A C



Code: JAM

Description: **Joint Angular Medium**

Distance (ft): 183.7
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: **BVV**

Description: Broken Void Visible

Distance (ft): 189.7
Structural Grade: 5
O&M Grade: 0
Clock Start/From: 8
Clock To: 4
1st Value:
2nd Value:
Value Percent:

Within 8" of Joint: YES

Continuous Index:

Remarks: **SOIL VISIBLE TOO.**



Code: JAL

Description: Joint Angular Large

Distance (ft): 189.7
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:

Remarks:

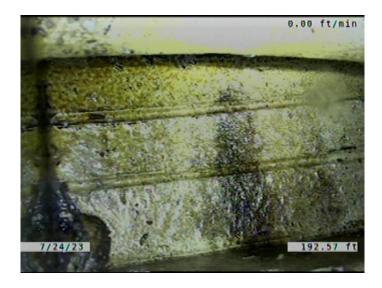
NO



Code: SMW

Description: Surface Damage Missing Wall

Distance (ft): 192.6 Structural Grade: 5 O&M Grade: 0 Clock Start/From: 10 Clock To: 4 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: NO



Code: JAL

Description: Joint Angular Large

Distance (ft): 192.6
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: SMW

Description: Surface Damage Missing Wall

Distance (ft): 195.3
Structural Grade: 5
O&M Grade: 0
Clock Start/From: 10
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): 195.3
Structural Grade: 3
O&M Grade: 0

Clock Start/From:

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

Continuous Index: S11
Within 8" of Joint: NO

Remarks:



Code: LR

Description: Line Right

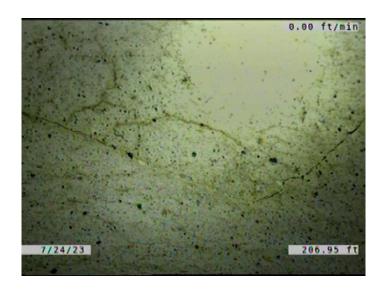
Distance (ft): 195.4
Structural Grade: 0

O&M Grade: 4

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 35.000
Continuous Index: \$10
Within 8" of Joint: NO



Code: CM

Description: **Crack Multiple**

Distance (ft): 206.9 Structural Grade: 3 O&M Grade: 0 11

Clock Start/From: Clock To: 4 1st Value: 2nd Value:

Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:

0.00 ft/min

207.62 ft

Code: Description:

Line Right

LR

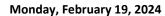
Distance (ft): 207.6 Structural Grade: 0 O&M Grade:

Clock Start/From:

Clock To: 1st Value: 2nd Value:

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

Remarks:



7/24/23



Code: JAM

Description: Joint Angular Medium

Distance (ft): 207.6
Structural Grade: 3
O&M Grade: 0

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

Clock Start/From:

Continuous Index: F11
Within 8" of Joint: NO

Remarks:



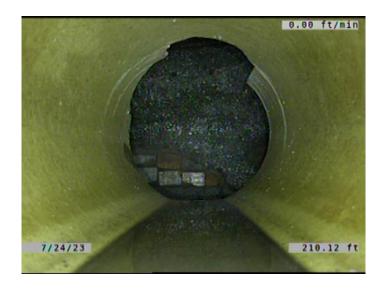
Code: IWJ

Description: Infiltration Weeper Joint

Distance (ft): 207.6
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 12
Clock To: 4
1st Value:

1st Value: 2nd Value: Value Percent:

Continuous Index: F06
Within 8" of Joint: YES



Code: DAE

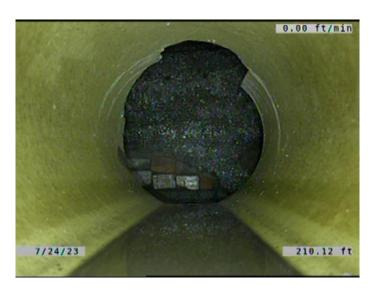
Description: Deposits Attached Encrustation

Distance (ft): 210.1
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 3
Clock To: 9

1st Value: 2nd Value:

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

Remarks:



Code: **DSF**

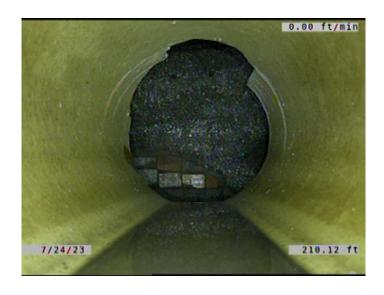
Description: Deposits Settled Fine

Distance (ft): 210.1
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 5
Clock To: 7
1st Value:

Value Percent: 5.000
Continuous Index: F04
Within 8" of Joint: YES

Remarks:

2nd Value:



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 210.1
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 12
Clock To: 12

1st Value: 2nd Value:

Value Percent: 5.000
Continuous Index: F07
Within 8" of Joint: YES

Remarks:



Code: MWLS

Description: Miscellaneous Water Level Sag

Distance (ft): 210.1
Structural Grade: 3
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 35.000
Continuous Index: F09
Within 8" of Joint: NO



Code: AMH
Description: Manhole

Distance (ft): 213.2
Structural Grade: 0
O&M Grade: 0

Clock Start/From: Clock To:

1st Value: 2nd Value: Value Percent:

Continuous Index:

Within 8" of Joint:

Remarks: M-902-018

NO