## **Profile/Photo Observation Report**



Date: 11/09/2021 **PACP 7.0** Weather: Coding: Pipe Length (ft): 175.9 Owner: Pre Clean: **Heavy Cleaning City of Hobart** P.O.#: Steven Bucklin P-604-108-111 YES502259 Surveyor: PSR:

Customer: City of Hobart, IN (Red Clean Date: 11/09/2021 Shape: C

Street: North Ash Street Flow Control: Not Controlled

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

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

Category: NA

Comment:

Location Details: Direction of Survey: Upstream

US MH: M-604-111 DS MH: M-604-108 Total Length Surveyed (ft): 175.9

1.91 352E 84.00 O&M Index: O&M Quick: O&M Rating: 2.30 99.00 Structural Rating: Structural Index: Structural Quick: 2.10 183.00 Overall Index: Overall Quick: Overall Rating:

	Position	Code	Observation	Video (sec)	Grade
1604	108				
	0.	AMH	Manhole	1	NA
П	$\sqrt{{.0}}$	MWL	Miscellaneous Water Level	69	NA
	3.1	TFC	Tap Factory Capped	106	NA
ш	13.6	ISJ	Infiltration Stain Joint	172	M 1
н	16.4	MWLS(S01)	Miscellaneous Water Level Sag	202	S 2
н	22.4	JOMD	Joint Offset Medium Defective	249	S 3
ш	24.7	TFC	Tap Factory Capped	294	NA
н	44.0	OBZ	Obstruction Other	394	M 2
п	50.4	ISJ	Infiltration Stain Joint	446	M 1
ш	56.1	OBZ	Obstruction Other	492	M 2
ш	61.7	SSS	Surface Damage Surface Spalling	546	S 2
ш	64.5	TFD	Tap Factory Defective	583	M 3
ш	64.5	OBZ(S02)	Obstruction Other	598	M 2
ш	70.4	MWLS(F01)	Miscellaneous Water Level Sag	642	S 2
н	76.1	SSS	Surface Damage Surface Spalling	680	S 2
ш	89.9	MWLS	Miscellaneous Water Level Sag	746	S 2
	96.2	SZ	Surface Damage Other	784	NA
ш	96.2	MWLS(S03)	Miscellaneous Water Level Sag	798	S 2
	107.2	MWLS(F03)	Miscellaneous Water Level Sag	861	S 2

112.8	MWLS(S04)	Miscellaneous Water Level Sag	893	S 2
117.6	SSS	Surface Damage Surface Spalling	924	S 2
118.8	DSF(S05)		924	M 2
1 11 111		Deposits Settled Fine		
120.7	FS ANALIS (FO.4)	Fracture Spiral	979	S 3
120.7	MWLS(F04)	Miscellaneous Water Level Sag	991	S 2
122.4	OBM	Obstruction Pipe Material in Invert	1010	M 2
122.4	В	Broken	1033	S 4
123.9	MWLS(S06)	Miscellaneous Water Level Sag	1049	S 2
124.9	RMC	Roots Medium Connection	1090	M 3
125.3	SSS	Surface Damage Surface Spalling	1129	S 2
125.6	TBI	Tap Break-in Intruding	1145	M 2
128.9	TFD	Tap Factory Defective	1197	M 3
129.7	RFJ	Roots Fine Joint	1231	M 1
129.7	ISJ	Infiltration Stain Joint	1247	M 1
129.9	OBZ(F02)	Obstruction Other	1264	M 2
131.5	В	Broken	1304	S 4
132.5	JOMD	Joint Offset Medium Defective	1327	S 3
132.5	RFJ	Roots Fine Joint	1358	M 1
132.5	ISJ	Infiltration Stain Joint	1379	M 1
132.5	ISJ	Infiltration Stain Joint	1394	M 1
134.8	TF	Tap Factory	1424	NA
138.9	SSS	Surface Damage Surface Spalling	1479	S 2
//142.0	CM(S07)	Crack Multiple	1558	S 3
143.5	SSS	Surface Damage Surface Spalling	1586	S 2
156.6	RTJ	Roots Tap Joint	1728	M 2
159.9	RFJ	Roots Fine Joint	1772	M 1
166.1	RMJ	Roots Medium Joint	1865	M 3
166.4	CM(F07)	Crack Multiple	1760	S 3
166.4	MWLS(F06)	Miscellaneous Water Level Sag	1887	S 2
166.4	MWLS(S08)	Miscellaneous Water Level Sag	1904	S 2
169.3	RFJ	Roots Fine Joint	1941	M 1
170.4	RMC	Roots Medium Connection	1988	M 3
170.4	CM	Crack Multiple	1998	S 3
170.6	TBI	Tap Break-in Intruding	2047	M 2
175.1	MWLS(F08)	Miscellaneous Water Level Sag	2170	S 2
175.1	DSF(F05)	Deposits Settled Fine	2179	M 2
175.1	MGO	Miscellaneous General Observation	2221	NA
	IVIUU	iviiscellatieuus uetietai Ubsel valiuti	<b>444</b>	INA

M(604)111



Code: AMH Description: Manhole

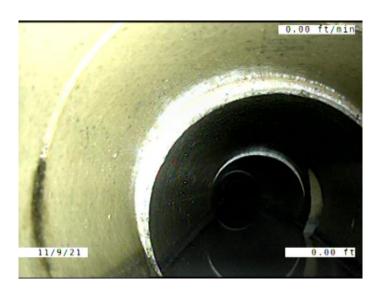
Distance (ft): .0 Structural Grade: 0 0 O&M Grade:

Clock Start/From:

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

Within 8" of Joint:

Remarks: M-604-108



MWL Code:

Description: **Miscellaneous Water Level** 

NO

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

Clock Start/From:

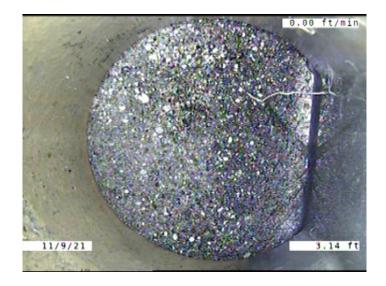
Clock To: 1st Value: 2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint: NO

Remarks:



Code: **TFC** 

Description: Tap Factory Capped

Distance (ft): 3.1
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 3

Clock To:

1st Value: **4.000** 

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: ISJ

Description: Infiltration Stain Joint

Distance (ft): 13.6
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 2
Clock To: 4
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: MWLS

Description: Miscellaneous Water Level Sag

Distance (ft): 16.4
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

Remarks:



Code: JOMD

Description: Joint Offset Medium Defective

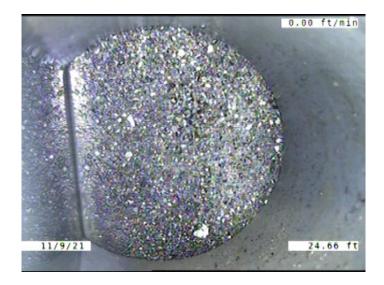
Distance (ft): 22.4
Structural Grade: 3
O&M Grade: 0

Clock Start/From:

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

Within 8" of Joint: NO

Remarks:



Code: TFC

Description: Tap Factory Capped

Distance (ft): 24.7
Structural Grade: 0

O&M Grade: 0

Clock Start/From: 9

Clock To:

1st Value: **4.000** 

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: OBZ

Description: Obstruction Other

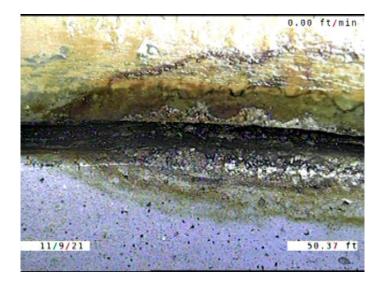
Distance (ft): 44.0
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 7
Clock To: 8
1st Value:

2nd Value:
Value Percent: 5.000

Continuous Index:

Within 8" of Joint: YES

Remarks: ROOTS THAT HAVE BEEN CUT.



Code: ISJ

Description: Infiltration Stain Joint

Distance (ft): 50.4
Structural Grade: 0

O&M Grade: 1

Clock Start/From: 1

Clock To: 3

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

Within 8" of Joint:

Remarks:

YES



Code: OBZ

Description: Obstruction Other

Distance (ft): 56.1
Structural Grade: 0

O&M Grade: 2

Clock Start/From: 5

Clock To: 7

1st Value:

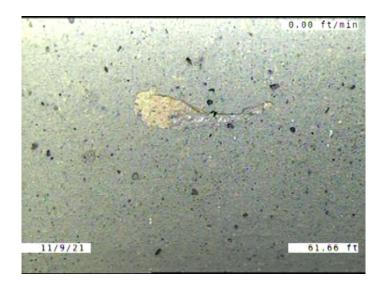
2nd Value: Value Percent:

Continuous Index:

Within 8" of Joint: YES

Remarks: ROOTS THAT HAVE BEEN CUT.

5.000



Code: SSS

Description: Surface Damage Surface Spalling

Distance (ft): 61.7
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 10

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

Within 8" of Joint:

Remarks:

NO



Code: **TFD** 

Description: Tap Factory Defective

Distance (ft): 64.5
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 2

Clock To:

1st Value: **4.000** 

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: OFFSET. SOIL VISIBLE



Code: OBZ

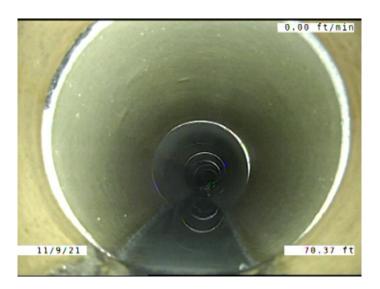
Description: **Obstruction Other** 

Distance (ft): 64.5 Structural Grade: 0 2 O&M Grade: Clock Start/From: 5 Clock To: 7

1st Value: 2nd Value:

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

Remarks: **ROOTS THAT HAVE BEEN CUT.** 



Code: **MWLS** 

Description: **Miscellaneous Water Level Sag** 

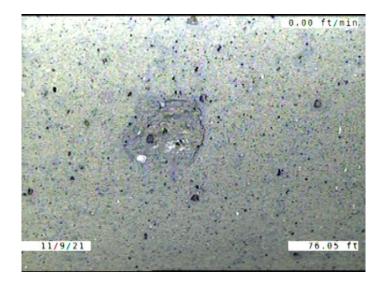
Distance (ft): 70.4 Structural Grade: 2 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

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

Remarks:



Code: SSS

Description: **Surface Damage Surface Spalling** 

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

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): 89.9 Structural Grade: 2 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

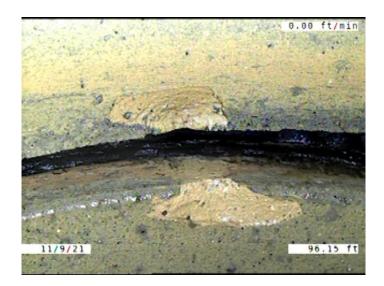
Value Percent: 5.000

Continuous Index:

Within 8" of Joint:

Remarks:

NO



Code: SZ

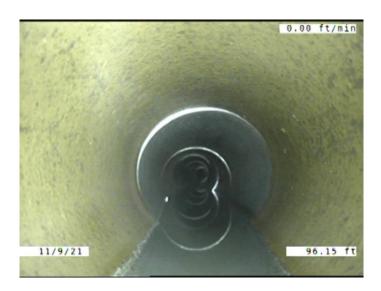
Description: **Surface Damage Other** 

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

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

Within 8" of Joint: YES

Remarks: A PIECE CHIPPED OFF THE JOINT



Code: **MWLS** 

Description: **Miscellaneous Water Level Sag** 

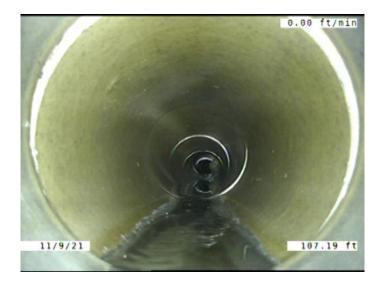
Distance (ft): 96.2 Structural Grade: 2 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 5.000 Continuous Index: **S03** Within 8" of Joint: NO

Remarks:



Code: **MWLS** 

Description: **Miscellaneous Water Level Sag** 

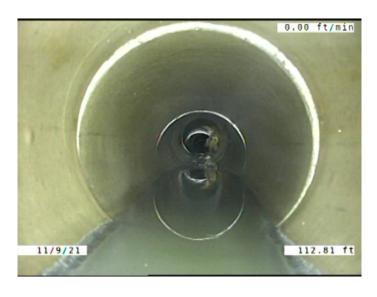
Distance (ft): 107.2 Structural Grade: 2 0 O&M Grade:

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 5.000 F03 Continuous Index: Within 8" of Joint: NO

Remarks:



Code: **MWLS** 

Description: **Miscellaneous Water Level Sag** 

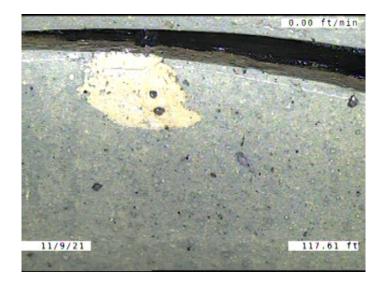
Distance (ft): 112.8 Structural Grade: 2 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 5.000 Continuous Index: **S04** Within 8" of Joint: NO

Remarks:



Code: SSS

Description: **Surface Damage Surface Spalling** 

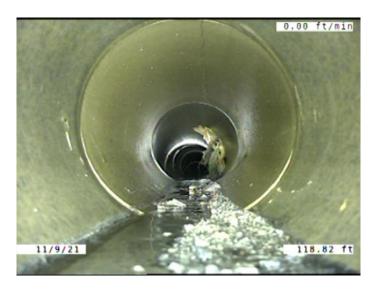
Distance (ft): 117.6 Structural Grade: 2 O&M Grade: 0 Clock Start/From: 1

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

Within 8" of Joint:

Remarks:

YES



Code: DSF

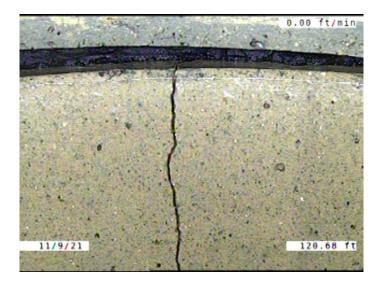
Description: **Deposits Settled Fine** 

Distance (ft): 118.8 Structural Grade: 0 O&M Grade: 2 Clock Start/From: 5 7 Clock To: 1st Value:

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

Remarks:

2nd Value:



Code: FS

Description: **Fracture Spiral** 

Distance (ft): 120.7

Structural Grade: 3 0 O&M Grade:

Clock Start/From: 12

Clock To: 1

1st Value:

2nd Value:

Value Percent:

Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: **MWLS** 

Description: **Miscellaneous Water Level Sag** 

Distance (ft): 120.7 Structural Grade: 2 O&M Grade: 0

Clock Start/From:

Clock To:

1st Value:

2nd Value:

5.000 Value Percent: Continuous Index: F04 Within 8" of Joint: NO

Remarks:



Code: OBM

Description: Obstruction Pipe Material in Invert

Distance (ft): 122.4
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 6

Clock To: 1st Value: 2nd Value:

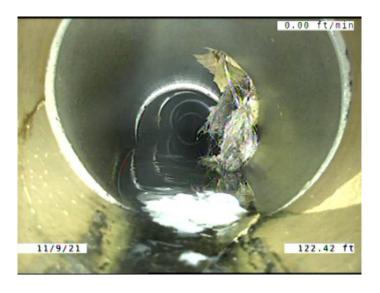
Value Percent: 5.000

Continuous Index:

Within 8" of Joint:

Remarks:

NO



Code: **B** 

Description: Broken

Distance (ft): 122.4
Structural Grade: 4
O&M Grade: 0
Clock Start/From: 3
Clock To: 9
1st Value:
2nd Value:

Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: MWLS

Description: Miscellaneous Water Level Sag

Distance (ft): 123.9
Structural Grade: 2
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 20.000
Continuous Index: S06
Within 8" of Joint: NO

Remarks:



Code: RMC

Description: Roots Medium Connection

10.000

Distance (ft): 124.9
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 1
Clock To: 3
1st Value:

2nd Value: Value Percent:

Continuous Index:

Within 8" of Joint: NO

Remarks:



Code: SSS

Description: Surface Damage Surface Spalling

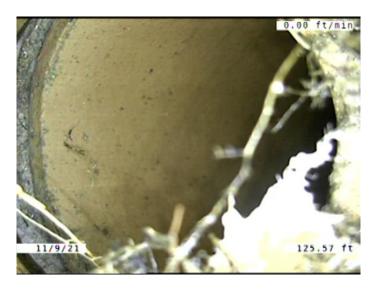
Distance (ft): 125.3
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 12
Clock To: 3

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

Within 8" of Joint:

Remarks:

YES



Code: TBI

Description: Tap Break-in Intruding

Distance (ft): 125.6
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 2

Clock To:

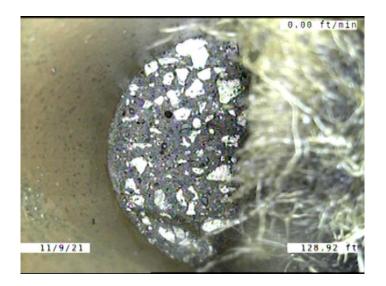
 1st Value:
 4.000

 2nd Value:
 1.000

Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: ROOTS GROWING AROUND IT AND INOT THE MAIN. CONSTANTLY RUN



Code: **TFD** 

Description: Tap Factory Defective

Distance (ft): 128.9
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 3

Clock To:

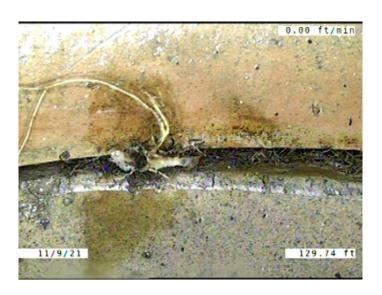
1st Value: **4.000** 

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: CAPPED. ROOTS GROWING AROUND

THE CAP INTO THE MAIN



Code: RFJ

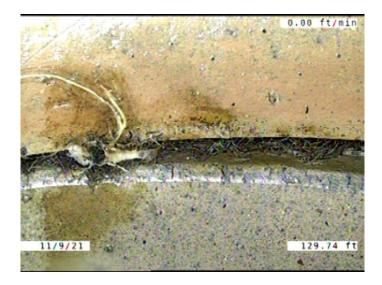
Description: Roots Fine Joint

Distance (ft): 129.7
Structural Grade: 0
O&M Grade: 1
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): 129.7
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 9
Clock To: 10

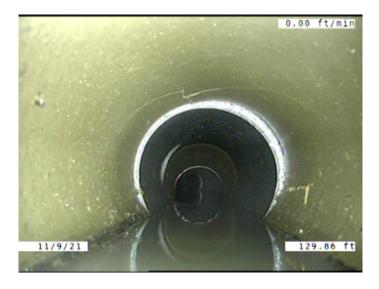
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint:

Remarks:

2nd Value:

YES



Code: OBZ

Description: Obstruction Other

Distance (ft): 129.9
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 5
Clock To: 7
1st Value:

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

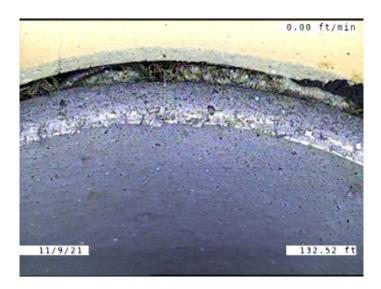
Remarks: ROOTS THAT HAVE BEEN CUT.



Code: Description: Broken

Distance (ft): 131.5 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:

Remarks:



Code: **JOMD** 

Description: **Joint Offset Medium Defective** 

YES

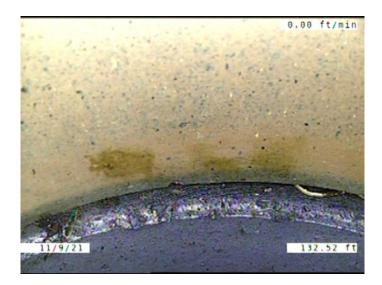
Distance (ft): 132.5 Structural Grade: 3 O&M Grade: 0 Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: Continuous Index:

Within 8" of Joint: NO

Remarks:



Code: RFJ

Description: Roots Fine Joint

Distance (ft): 132.5
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 9
Clock To: 3

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

Continuous Index: Within 8" of Joint:

Remarks:

YES



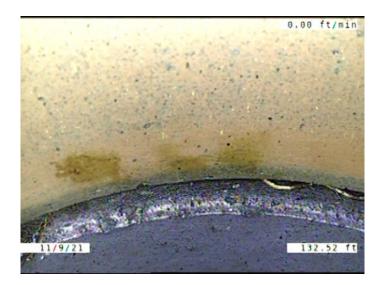
Code: ISJ

Description: Infiltration Stain Joint

Distance (ft): 132.5
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: YES

Remarks:



Code: ISJ

Description: Infiltration Stain Joint

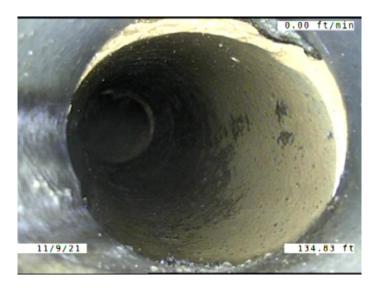
Distance (ft): 132.5
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 9
Clock To: 10

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

Within 8" of Joint:

Remarks:

YES



Code: TF

Description: Tap Factory

Distance (ft): 134.8
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

Remarks: CONSTANTLY RUNNING WATER



Code: SSS

Description: Surface Damage Surface Spalling

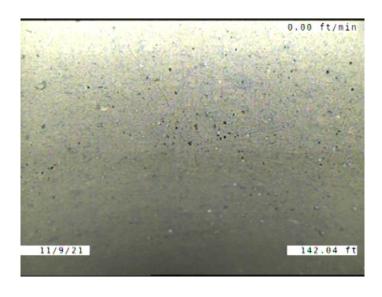
Distance (ft): 138.9
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 11

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

Within 8" of Joint:

Remarks:

YES



Code: CM

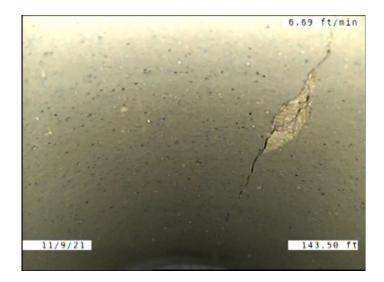
Description: Crack Multiple

Distance (ft): 142.0
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 10
Clock To: 1
1st Value:
2nd Value:

Continuous Index: **S07**Within 8" of Joint: **YES** 

Remarks:

Value Percent:



Code: SSS

Description: **Surface Damage Surface Spalling** 

Distance (ft): 143.5 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:

NO



Code: RTJ

Description: **Roots Tap Joint** 

Distance (ft): 156.6 Structural Grade: 0 O&M Grade: 2 Clock Start/From: 12 2 Clock To: 1st Value:

2nd Value: Value Percent:

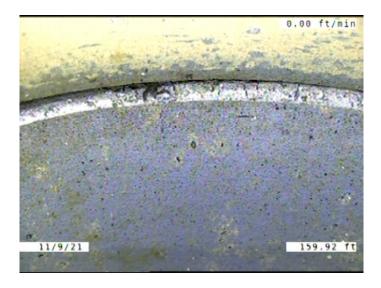
5.000

Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: RFJ

Description: Roots Fine Joint

Distance (ft): 159.9
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 10

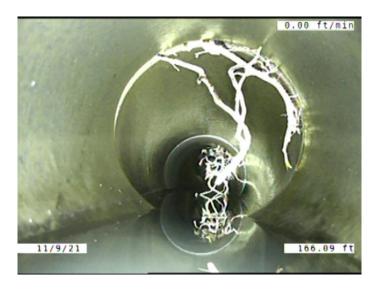
Clock To: 11
1st Value:

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: RMJ

Description: Roots Medium Joint

Distance (ft): 166.1
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 11
Clock To: 2
1st Value:

2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: CM

Description: **Crack Multiple** 

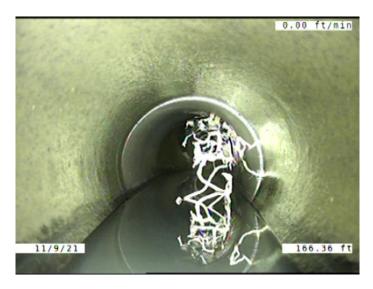
Distance (ft): 166.4 Structural Grade: 3 O&M Grade: 0 10

Clock Start/From: Clock To: 1

1st Value: 2nd Value: Value Percent:

Continuous Index: F07 Within 8" of Joint: YES

Remarks:



Code: **MWLS** 

Description: **Miscellaneous Water Level Sag** 

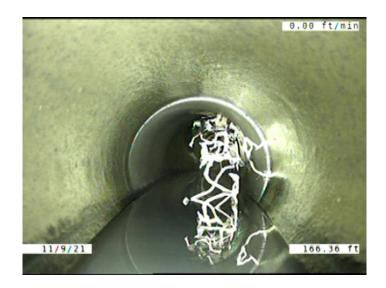
Distance (ft): 166.4 Structural Grade: 2 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 20.000 Continuous Index: F06 Within 8" of Joint: NO

Remarks:



Code: MWLS

Description: Miscellaneous Water Level Sag

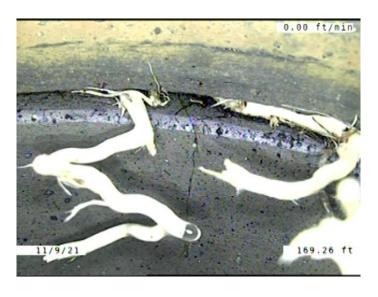
Distance (ft): 166.4
Structural Grade: 2
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 10.000
Continuous Index: S08
Within 8" of Joint: NO

Remarks:



Code: RFJ

Description: Roots Fine Joint

Distance (ft): 169.3
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: YES

Remarks:



Code: **RMC** 

Description: **Roots Medium Connection** 

Distance (ft): 170.4 Structural Grade: 0 3 O&M Grade: Clock Start/From: 1 Clock To: 3

1st Value: 2nd Value:

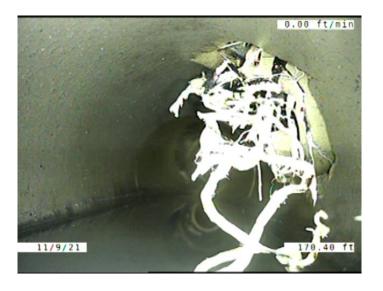
Value Percent: 10.000

Continuous Index:

Within 8" of Joint:

Remarks:

NO



CM Code:

Description: **Crack Multiple** 

Distance (ft): 170.4 Structural Grade: 3 O&M Grade: 0 Clock Start/From: 1 3 Clock To: 1st Value:

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: TBI

Description: **Tap Break-in Intruding** 

Distance (ft): 170.6 Structural Grade: 0 2 O&M Grade: Clock Start/From: 2

Clock To:

1st Value: 4.000 2nd Value: 2.000

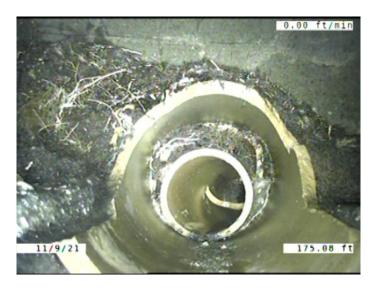
Value Percent:

Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: **MWLS** 

Description: **Miscellaneous Water Level Sag** 

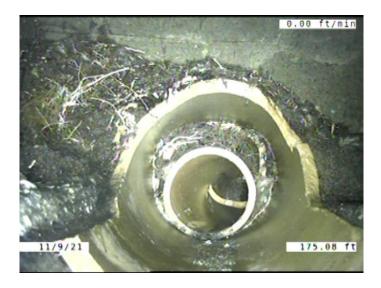
Distance (ft): 175.1 Structural Grade: 2 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 10.000 Continuous Index: F08 Within 8" of Joint: NO

Remarks:



Code: **DSF** 

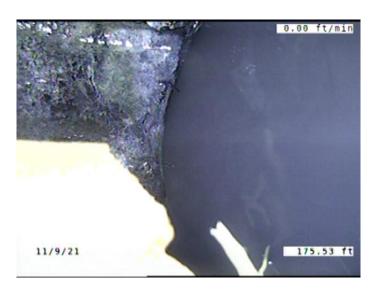
Description: Deposits Settled Fine

Distance (ft): 175.1
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 5
Clock To: 7

1st Value: 2nd Value:

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

Remarks:



Code: MGO

Description: Miscellaneous General Observation

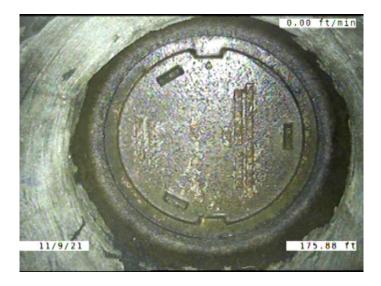
Distance (ft): 175.5
Structural Grade: 0
O&M Grade: 0

Clock Start/From:

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

Within 8" of Joint: NO

Remarks: Pipe floor missing in MH



Code: AMH
Description: Manhole

Distance (ft): 175.9
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-604-111