## **Profile/Photo Observation Report**



Date: **PACP 7.0** 11/12/2021 Weather: Coding: Pipe Length (ft): 319.3 Owner: Pre Clean: **Heavy Cleaning City of Hobart** P.O.#: Surveyor: P-605-065-066 YES502259 Steven Bucklin PSR:

Customer: City of Hobart, IN (Red Clean Date: 11/12/2021 Shape: C

Street: Beverly Lane Flow Control: Not Controlled

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

Purpose:Routine AssessmentDia/Height:8"Use:Sanitary Sewage PipeMaterial:CPDrain Area:Lining:None

Category: NA

Comment:

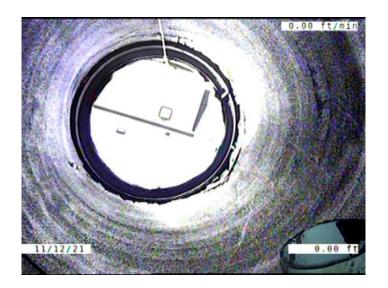
Location Details: Direction of Survey: **Downstream** 

US MH: M-605-066 DS MH: M-605-065 Total Length Surveyed (ft): **319.3** 

220.00 1.61 O&M Index: O&M Quick: O&M Rating: 3.41 109.00 Structural Rating: Structural Index: Structural Quick: 1.95 **4C3A** 329.00 Overall Index: Overall Quick: Overall Rating:

	Position	Code	Observation	Video (sec)	Grade
<b>/</b> 605-	066				
$\overline{}$	0. /	AMH	Manhole	1	NA
	0.	MWL	Miscellaneous Water Level	79	NA
н	1.4	FM(S02)	Fracture Multiple	148	S 4
П	1.4	IWB	Infiltration Weeper Barrel	161	M 2
н	1.4	DAE(S01)	Deposits Attached Encrustation	182	M 2
	1.5	IS(S08)	Infitration Stain	203	M 1
	6.7	CM(S03)	Crack Multiple	316	S 3
	6.7	FM(F02)	Fracture Multiple	386	S 4
н	11.0	CM(F03)	Crack Multiple	425	S 3
	15.7	MWLS	Miscellaneous Water Level Sag	470	S 2
ш	23.4	OBZ	Obstruction Other	533	M 2
	27.8	ISGT	Intruding Sealing Material Grout	625	M 2
н	27.8	JAM	Joint Angular Medium	640	S 3
ш	29.2	TF	Tap Factory	681	NA
-	34.0	FM	Fracture Multiple	757	S 4
н	34.0	RFJ	Roots Fine Joint	788	M 1
.	37.0	ISGT	Intruding Sealing Material Grout	874	M 2
	43.2	FL	Fracture Longitudinal	939	S 3
	43.2	FL	Fracture Longitudinal	978	S 3

	49.2	FL	Fracture Longitudinal	1051	S 3
	64.4	RFJ	Roots Fine Joint	1165	M 1
	74.3	ТВ	Tap Break-in/Hammer	1291	NA
	74.6	TF	Tap Factory	1320	NA
	79.7	FL	Fracture Longitudinal	1389	S 3
	79.7	FL	Fracture Longitudinal	1409	S 3
	102.5	FM(S04)	Fracture Multiple	1604	S 4
	103.8	IWJ	Infiltration Weeper Joint	1632	M 2
	109.8	IWB	Infiltration Weeper Barrel	1732	M 2
	110.8	FM(S05)	Fracture Multiple	1842	S 4
	114.4	FM(F05)	Fracture Multiple	1898	S 4
	117.6	TFC	Tap Factory Capped	1932	NA
	120.6	TF	Tap Factory	1980	NA
	126.9	FM(F04)	Fracture Multiple	2062	S 4
	<u> </u>   154.4	TFD	Tap Factory Defective	2313	M 3
	157.4	TF	Tap Factory	2364	NA
	159.3	В	Broken	2451	S 4
	\ <u>179.7</u>	FM(S06)	Fracture Multiple	2705	S 4
	\\\ \189.4	OBZ	Obstruction Other	2815	M 2
	\\ <u>189.4</u>	ISGT	Intruding Sealing Material Grout	2829	M 2
	192.0	В	Broken	2888	S 4
	195.3	В	Broken	2953	S 4
	198.7	ISGT	Intruding Sealing Material Grout	3073	M 2
	198.7	OBZ	Obstruction Other	3095	M 2
	218.1	TF	Tap Factory	3277	NA
	221.3	TFD	Tap Factory Defective	3321	M 3
H	221.3	FM(F06)	Fracture Multiple	3334	S 4
	\\\\\236.6	LR	Line Right	3427	M 1
	262.1	ISGT	Intruding Sealing Material Grout	3605	M 2
ш	/270.1	IS(F08)	Infitration Stain	3674	M 1
	/274.2	ISGT	Intruding Sealing Material Grout	3731	M 2
<b></b> //	//280.2	MWLS(S07)	Miscellaneous Water Level Sag	3790	S 2
	//283.1	DAE(F01)	Deposits Attached Encrustation	3838	M 2
//	//283.9	MCU	Miscellaneous Camera Underwater	3853	M 4
	291.3	DAE(S09)	Deposits Attached Encrustation	3981	M 2
$\vdash$	303.0	IS	Infitration Stain	4134	M 1
	/303.8	MWLS(F07)	Miscellaneous Water Level Sag	4144	S 2
	304.4	LD	Line Down	4170	M 1
	307.3	ISGT	Intruding Sealing Material Grout	4224	M 2
	315.8	DAE	Deposits Attached Encrustation	4326	M 3
	316.5	DAE(F09)	Deposits Attached Encrustation	4347	M 2
	319.3	AMH	Manhole	4509	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-605-066



Code: MWL

Description: Miscellaneous Water Level

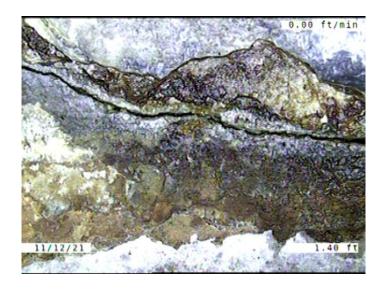
Distance (ft): .0
Structural Grade: 0
O&M Grade: 0
Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint: NO



Code: FM
Description: Fracture Multiple

Distance (ft): 1.4
Structural Grade: 4

O&M Grade: 0

Clock Start/From: 9

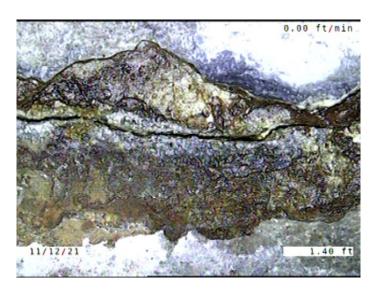
Clock To: 1

1st Value:

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

SO2 YES

Remarks:



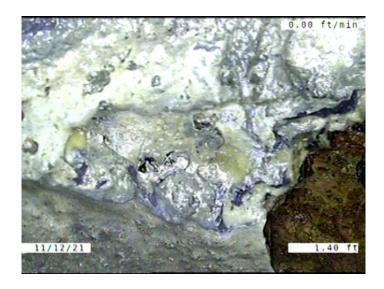
Code: IWB

Description: Infiltration Weeper Barrel

Distance (ft): 1.4
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 11
Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index:

Remarks:

Within 8" of Joint:



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 1.4
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 8
Clock To: 4

1st Value: 2nd Value:

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

Remarks:



Code: IS

Description: Infitration Stain

Distance (ft): 1.5
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 8
Clock To: 4
1st Value:
2nd Value:

Value Percent:
Continuous Index: \$08
Within 8" of Joint: YES



Code: CM
Description: Crack Multiple

Distance (ft): 6.7
Structural Grade: 3

Structural Grade:

O&M Grade:

Clock Start/From:

Clock To:

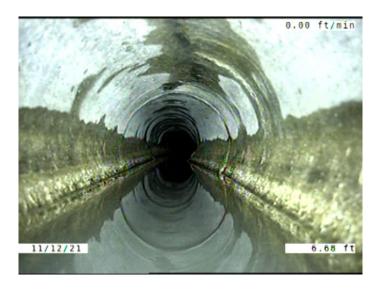
1st Value:

2nd Value:

Continuous Index: S03
Within 8" of Joint: YES

Remarks:

Value Percent:



Code: **FM** 

Description: Fracture Multiple

Distance (ft): 6.7 Structural Grade: 4 O&M Grade: 0 Clock Start/From: 9 Clock To: 1 1st Value: 2nd Value: Value Percent: Continuous Index: F02 Within 8" of Joint: YES



Code: CM

Description: Crack Multiple

Distance (ft): 11.0
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 12
Clock To: 3

1st Value: 2nd Value: Value Percent:

Continuous Index: F03
Within 8" of Joint: YES

Remarks:



Code: MWLS

Description: Miscellaneous Water Level Sag

Distance (ft): 15.7
Structural Grade: 2
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: OBZ

Description: Obstruction Other

Distance (ft): 23.4
Structural Grade: 0

O&M Grade: 2

Clock Start/From: 5

Clock To: 7

1st Value: 2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint: NO

Remarks: BROKEN OFF ENCRUSTATION



Code: ISGT

Description: Intruding Sealing Material Grout

5.000

Distance (ft): 27.8
Structural Grade: 0

O&M Grade: 2

Clock Start/From: 3

Clock To: 9

1st Value:

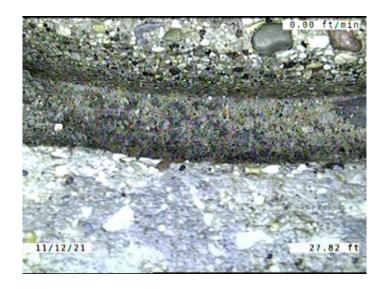
Value Percent:

Continuous Index:

Within 8" of Joint: NO

Remarks:

2nd Value:



Code: JAM

Description: **Joint Angular Medium** 

Distance (ft): 27.8
Structural Grade: 3
O&M Grade: 0

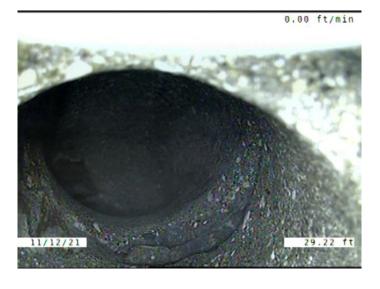
Clock Start/From:

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

Within 8" of Joint:

Remarks:

NO



Code: **TF** 

Description: Tap Factory

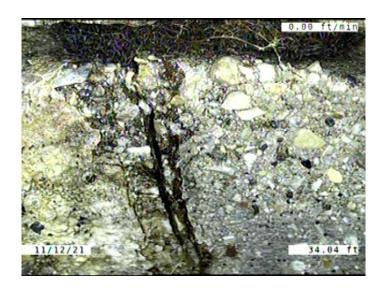
Distance (ft): 29.2
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 10

Clock To:

1st Value: **6.000** 

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES
Remarks: OFFSET



Code: **FM** 

Description: Fracture Multiple

Distance (ft): 34.0
Structural Grade: 4

O&M Grade: 0

Clock Start/From: 9

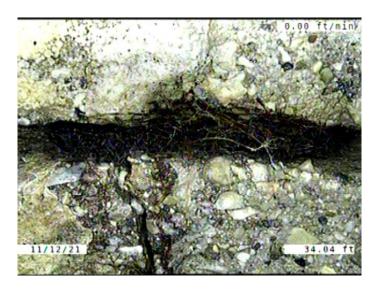
Clock To: 10

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

Within 8" of Joint:

Remarks:

YES



Code: RFJ

Description: Roots Fine Joint

Distance (ft):

Structural Grade:

O&M Grade:

Clock Start/From:

Clock To:

1st Value:

2nd Value:

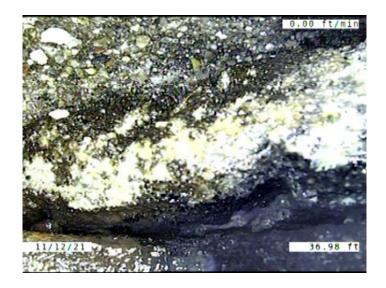
Value Percent:

Continuous Index:

Remarks:

Within 8" of Joint:

YES



Code: ISGT

Description: Intruding Sealing Material Grout

Distance (ft): 37.0
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 4
Clock To: 8

1st Value: 2nd Value:

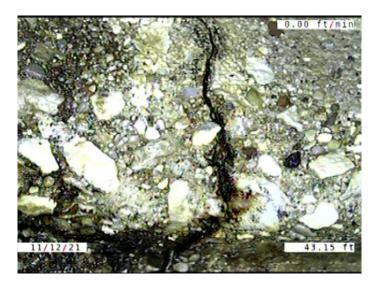
Value Percent: 5.000

Continuous Index:

Within 8" of Joint:

Remarks:

NO



Code: FL

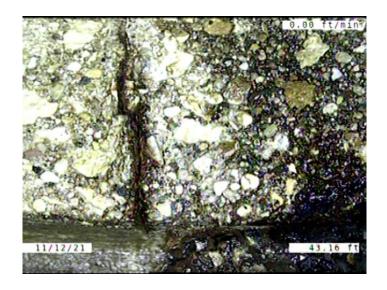
Description: Fracture Longitudinal

Distance (ft): 43.2
Structural Grade: 3
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: **FL** 

Description: Fracture Longitudinal

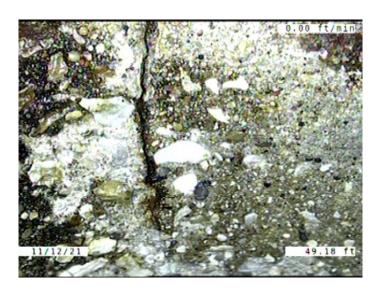
Distance (ft): 43.2
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 8

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

Within 8" of Joint:

Remarks:

YES



Code: FL

Description: Fracture Longitudinal

Distance (ft): 49.2
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 9
Clock To:
1st Value:
2nd Value:
Value Percent:

Within 8" of Joint: YES

Remarks:

Continuous Index:



Code: RFJ

Description: Roots Fine Joint

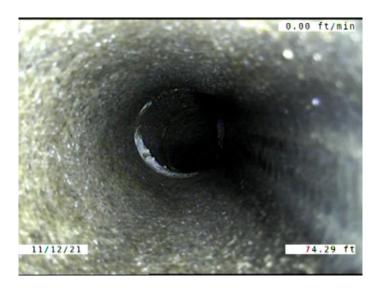
Distance (ft): 64.4
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 3
Clock To: 4

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

Within 8" of Joint:

Remarks:

YES



Code: TB

Description: Tap Break-in/Hammer

Distance (ft): 74.3
Structural Grade: 0

O&M Grade: 0

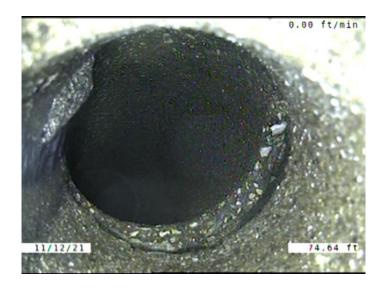
Clock Start/From: 3

Clock To:

1st Value: **6.000** 

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES



Code: **TF** 

Description: Tap Factory

Distance (ft): 74.6
Structural Grade: 0

O&M Grade: 0

Clock Start/From: 10

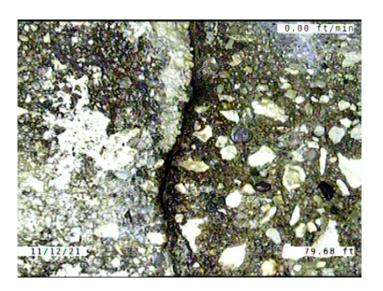
Clock To:

1st Value: **6.000** 

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: ANGLED JOINT



Code: FL

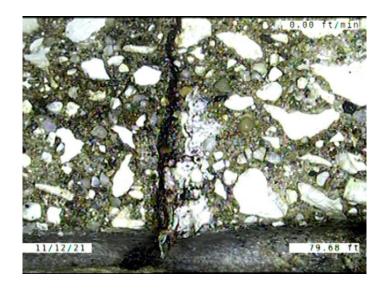
Description: Fracture Longitudinal

Distance (ft): 79.7
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 3
Clock To:
1st Value:
2nd Value:
Value Percent:

Within 8" of Joint: YES

Remarks:

Continuous Index:



Code: FL

Description: Fracture Longitudinal

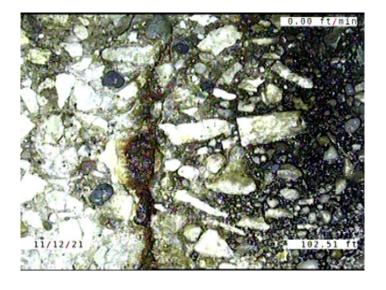
Distance (ft): 79.7
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 10

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

Within 8" of Joint:

Remarks:

YES



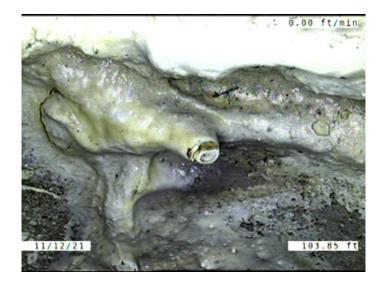
Code: FM

Description: Fracture Multiple

Distance (ft): 102.5
Structural Grade: 4
O&M Grade: 0
Clock Start/From: 7
Clock To: 8
1st Value:

2nd Value: Value Percent: Continuous Index:

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



Code: IWJ

Description: Infiltration Weeper Joint

1

Distance (ft): 103.8
Structural Grade: 0
O&M Grade: 2

Clock Start/From:

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

Within 8" of Joint:

Remarks:

YES



Code: IWB

Description: Infiltration Weeper Barrel

Distance (ft): 109.8
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 1
Clock To:
1st Value:

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

Within 8" of Joint: YES



Code: FM

Description: Fracture Multiple

Distance (ft): 110.8
Structural Grade: 4
O&M Grade: 0
Clock Start/From: 4
Clock To: 5

1st Value: 2nd Value: Value Percent:

Continuous Index: S05
Within 8" of Joint: YES

Remarks:



Code: FM

Description: Fracture Multiple

Distance (ft): 114.4
Structural Grade: 4
O&M Grade: 0
Clock Start/From: 4
Clock To: 5
1st Value:
2nd Value:

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



Code: **TFC** 

Description: Tap Factory Capped

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

Clock To:

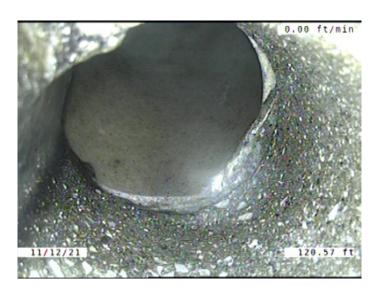
1st Value: **6.000** 

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: CAPPED. ENCRUSTATION COVERING

THE CAP



Code: TF

Description: Tap Factory

Distance (ft): 120.6
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 10

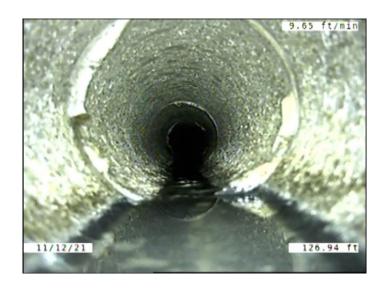
Clock To:

1st Value: **4.000** 

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: CONSTANTLY RUNNING WATER



Code: FM

Description: Fracture Multiple

Distance (ft): 126.9
Structural Grade: 4

O&M Grade: 0

Clock Start/From: 7

Clock To: 8

1st Value:
2nd Value:
Value Percent:

Continuous Index: F04
Within 8" of Joint: YES

Remarks:



Code: **TFD** 

Description: Tap Factory Defective

Distance (ft): 154.4
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 2

Clock To:

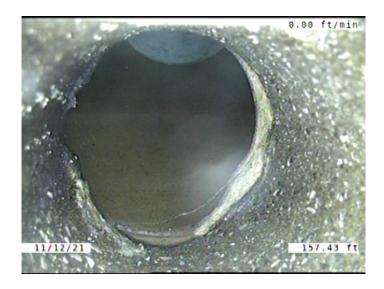
1st Value: **6.000** 

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: OFFSET. CONSTANTLY RUNNING

WATER.



Code: **TF** 

Description: Tap Factory

Distance (ft): 157.4
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 10

Clock To:

1st Value: **6.000** 

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: B
Description: Broken

Distance (ft): 159.3
Structural Grade: 4

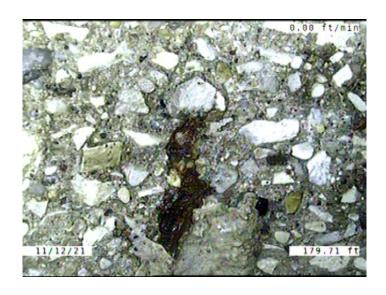
O&M Grade: 0
Clock Start/From: 8

Clock To: 4

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

Remarks:

Within 8" of Joint:



Code: FM

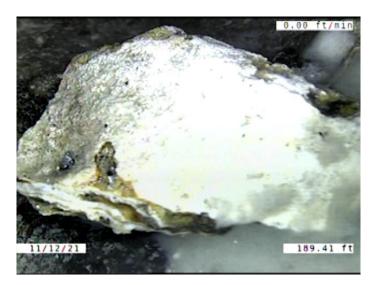
Description: Fracture Multiple

Distance (ft): 179.7
Structural Grade: 4
O&M Grade: 0
Clock Start/From: 8
Clock To: 4

1st Value: 2nd Value: Value Percent:

Continuous Index: S06
Within 8" of Joint: YES

Remarks: Wandering



Code: OBZ

Description: Obstruction Other

Distance (ft): 189.4
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 6
Clock To: 7
1st Value:

2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint: YES

Remarks: ENCRUSTATION THAT HAS BROKEN

OFF



Code: ISGT
Description: Intruding Sealing Material Grout

NO

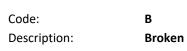
Distance (ft): 189.4
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 4
Clock To: 8
1st Value:

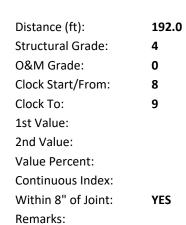
2nd Value:

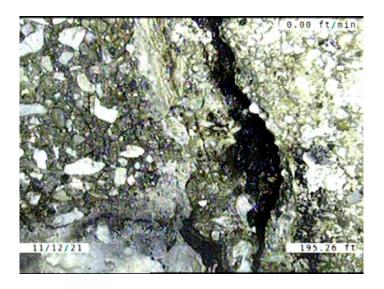
Value Percent: 5.000

Continuous Index:

Within 8" of Joint:



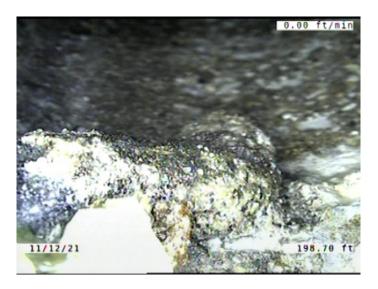




Code: B
Description: Broken

Distance (ft): 195.3 Structural Grade: 4 O&M Grade: 0 Clock Start/From: 3 Clock To: 4 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: YES

Remarks:



Code: ISGT

Description: Intruding Sealing Material Grout

Distance (ft): 198.7
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 4
Clock To: 8
1st Value:
2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint: NO



Code: OBZ

Description: Obstruction Other

Distance (ft): 198.7
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 4
Clock To: 8

1st Value: 2nd Value:

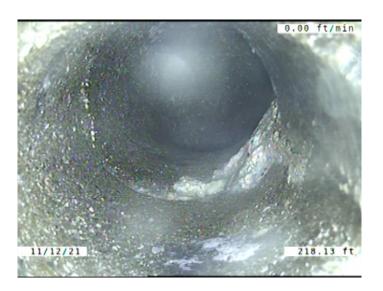
Value Percent: 5.000

Continuous Index:

Within 8" of Joint: YES

Remarks: PIECES OF ENCRUSTATION THAT

**HAVE BEEN BROKEN OFF** 



Code: **TF** 

Description: Tap Factory

Distance (ft): 218.1
Structural Grade: 0

O&M Grade: 0

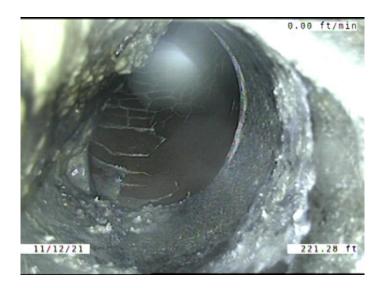
Clock Start/From: 2

Clock To:

1st Value: **6.000** 

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES



Code: **TFD** 

Description: Tap Factory Defective

Distance (ft): 221.3
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 10

Clock To:

1st Value: **6.000** 

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: LOOKS TO BE 50% PLUGGED WITH

**ENCRUSTATION** 



Code: FM

Description: Fracture Multiple

Distance (ft): 221.3
Structural Grade: 4
O&M Grade: 0
Clock Start/From: 8
Clock To: 4
1st Value:
2nd Value:

Continuous Index: F06
Within 8" of Joint: YES

Value Percent:

Remarks: Wandering



Code: LR

Description: Line Right

Distance (ft): 236.6
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: ISGT

Description: Intruding Sealing Material Grout

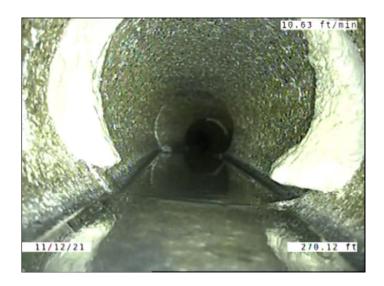
Distance (ft): 262.1
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 4
Clock To: 7
1st Value:

2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint: NO



Code: IS

Description: Infitration Stain

Distance (ft): 270.1
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 8
Clock To: 4

1st Value: 2nd Value: Value Percent:

Continuous Index: F08
Within 8" of Joint: YES

Remarks:



Code: ISGT

Description: Intruding Sealing Material Grout

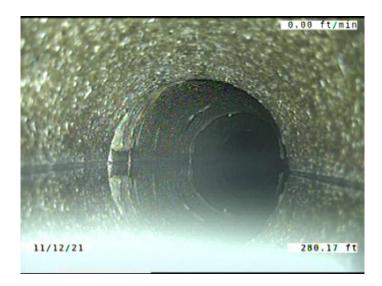
Distance (ft): 274.2
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 4
Clock To: 8
1st Value:

2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint: NO



Code: MWLS

Description: Miscellaneous Water Level Sag

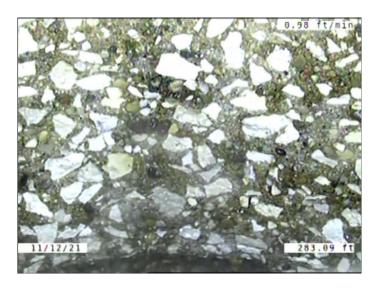
Distance (ft): 280.2
Structural Grade: 2
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 30.000
Continuous Index: S07
Within 8" of Joint: NO

Remarks:



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 283.1
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 8
Clock To: 4
1st Value:

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

Remarks:

2nd Value:



Code: MCU

Description: Miscellaneous Camera Underwater

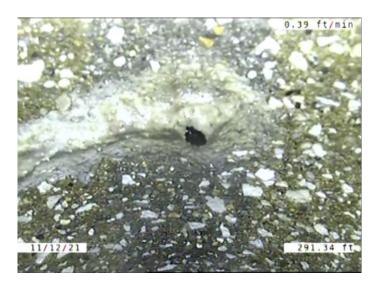
Distance (ft): 283.9
Structural Grade: 0
O&M Grade: 4

Clock Start/From:

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

Within 8" of Joint: NO

Remarks: Out at 286.5



Code: DAE

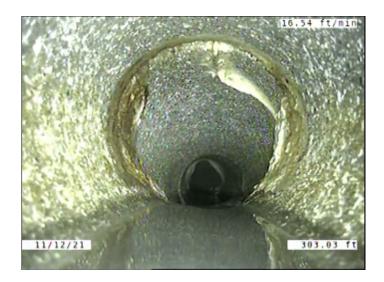
Description: Deposits Attached Encrustation

Distance (ft): 291.3
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 8
Clock To: 4
1st Value:

Value Percent: 5.000
Continuous Index: S09
Within 8" of Joint: NO

Remarks:

2nd Value:



Code: IS

Description: **Infitration Stain** 

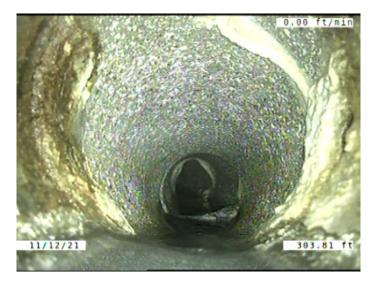
Distance (ft): 303.0 Structural Grade: 0 O&M Grade: 1 Clock Start/From: 7 5

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

Continuous Index: Within 8" of Joint:

Remarks:

YES



Code: **MWLS** 

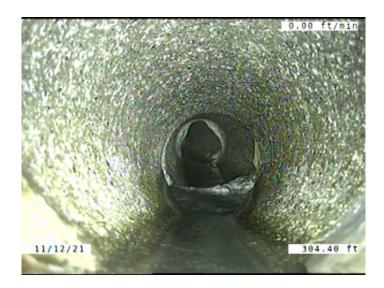
Description: **Miscellaneous Water Level Sag** 

Distance (ft): 303.8 Structural Grade: 2 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 30.000 Continuous Index: F07 Within 8" of Joint: NO



Code: LD

Description: Line Down

Distance (ft): 304.4
Structural Grade: 0
O&M Grade: 1

Clock Start/From:

Clock To: 1st Value: 2nd Value:

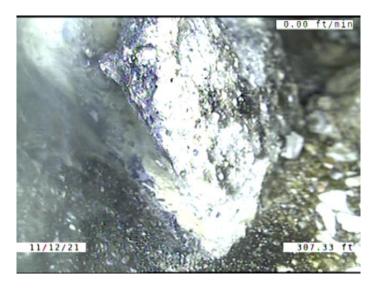
Value Percent: 10.000

Continuous Index:

Within 8" of Joint:

Remarks:

NO



Code: ISGT

Description: Intruding Sealing Material Grout

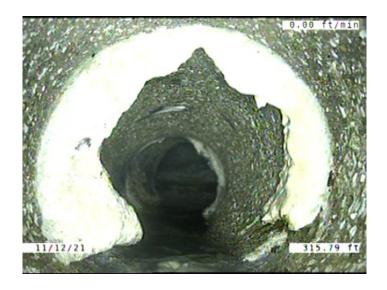
Distance (ft): 307.3
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 4
Clock To: 8
1st Value:

2nd Value:

Value Percent: 10.000

Continuous Index:

Within 8" of Joint: NO



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 315.8
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 7
Clock To: 4

1st Value: 2nd Value:

Value Percent: 15.000

Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 316.5
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 8
Clock To: 4
1st Value:

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



Code: AMH
Description: Manhole

Distance (ft): 319.3
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-605-065