Profile/Photo Observation Report



Date: 11/11/2021 **PACP 7.0** Weather: Coding: **City of Hobart** Pipe Length (ft): 175.9 Owner: Pre Clean: **Heavy Cleaning** P.O.#: Surveyor: Steven Bucklin P-605-028-027 YES502259 PSR:

Customer: City of Hobart, IN (Red Clean Date: 11/10/2021 Shape: C

Street: South 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:12"Use:Sanitary Sewage PipeMaterial:VCPDrain Area:Lining:None

Category: NA

Comment:

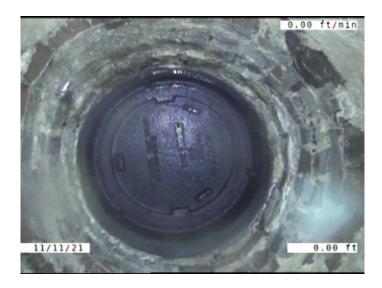
Location Details: Direction of Survey: **Downstream**

US MH: M-605-027 DS MH: M-605-028 Total Length Surveyed (ft): 175.9

1.97 179.00 O&M Index: O&M Quick: O&M Rating: 3.86 5241 224.00 Structural Rating: Structural Index: Structural Quick: 5241 2.70 403.00 Overall Quick: Overall Index: Overall Rating:

	Position	Code	Observation	Video (sec)	Grade
605-	027				
	0.	AMH	Manhole	98	NA
	.0	MWL	Miscellaneous Water Level	119	NA
ш	4.5	RFJ	Roots Fine Joint	175	M 1
	4.5	MWLS(S01)	Miscellaneous Water Level Sag	198	S 2
-	1 4.6	В	Broken	266	S 4
	4.6	FM(S08)	Fracture Multiple	272	S 4
	4.6	DSF(S03)	Deposits Settled Fine	281	M 2
ш	8.8	RFJ	Roots Fine Joint	335	M 1
ш	12.8	RFJ	Roots Fine Joint	378	M 1
	14.9	RFJ	Roots Fine Joint	409	M 1
ш	16.6	DR(S04)	Deformed Rigid	443	S 4
ш	17.9	TFD	Tap Factory Defective	475	M 3
ш	19.2	RFJ	Roots Fine Joint	503	M 1
ш	20.0	TFC	Tap Factory Capped	540	NA
ш	26.7	MWLS(F01)	Miscellaneous Water Level Sag	592	S 2
	45.7	RFJ	Roots Fine Joint	681	M 1
	47.9	RFJ	Roots Fine Joint	716	M 1
	53.8	RMJ	Roots Medium Joint	774	M 3
	56.2	RFJ	Roots Fine Joint	805	M 1

58.3	RMJ	Roots Medium Joint	845	M 3
59.3	TFD	Tap Factory Defective	903	M 3
61.2	TFD	Tap Factory Defective	953	M 3
62.1	RMJ	Roots Medium Joint	1014	M 3
63.8	RMJ	Roots Medium Joint	1077	M 3
66.4	RFJ(S05)	Roots Fine Joint	1114	M 1
80.5	DAE	Deposits Attached Encrustation	1230	M 2
82.5	DAE	Deposits Attached Encrustation	1264	M 2
91.0	DAE	Deposits Attached Encrustation	1328	M 2
93.0	DAE	Deposits Attached Encrustation	1371	M 2
93.4	DAE	Deposits Attached Encrustation	1402	M 2
93.4	MWL	Miscellaneous Water Level	1421	NA
94.5	ТВ	Tap Break-in/Hammer	1468	NA
97.3	FM(F08)	Fracture Multiple	1528	S 4
97.3	MCU	Miscellaneous Camera Underwater	1530	M 4
97.3	DR(F04)	Deformed Rigid	1536	S 4
97.4	RMB	Roots Medium Barrel	1544	M 4
99.9	TFD	Tap Factory Defective	1702	M 3
100.7	FM(S09)	Fracture Multiple	1727	S 4
100.7	SSS	Surface Damage Surface Spalling	1728	S 2
107.5	DAE(S06)	Deposits Attached Encrustation	1821	M 2
107.5	DAE(S07)	Deposits Attached Encrustation	1859	M 2
113.1	MWL	Miscellaneous Water Level	1910	NA
117.0	RFJ(F05)	Roots Fine Joint	1943	M 1
134.7	TBD	Tap Break-in/Hammer Defective	2061	M 3
/134.8	B(S10)	Broken	2082	S 4
136.5	BSV	Broken Soil Visible	2122	S 5
136.5	TFD	Tap Factory Defective	2145	M 3
138.4	BSV	Broken Soil Visible	2210	S 5
138.7	ТВІ	Tap Break-in Intruding	2238	M 2
139.0	TFD	Tap Factory Defective	2262	M 3
141.2	TFC	Tap Factory Capped	2313	NA
141.2	B(F10)	Broken	2329	S 4
156.5	DAE(F07)	Deposits Attached Encrustation	2404	M 2
156.5	DAE(F06)	Deposits Attached Encrustation	2412	M 2
158.2	MWL	Miscellaneous Water Level	2436	NA
171.8	FM(F09)	Fracture Multiple	2595	S 4
/173.7	MWL	Miscellaneous Water Level	2609	NA
174.6	DSF(F03)	Deposits Settled Fine	2638	M 2
175.9	AMH	Manhole	2721	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-605-027



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

Remarks:



Code: RFJ

Description: **Roots Fine Joint**

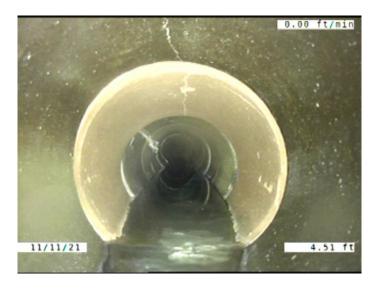
Distance (ft): 4.5 Structural Grade: 0 O&M Grade: 1 Clock Start/From: 9 Clock To: 10

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

Within 8" of Joint:

Remarks:

YES



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

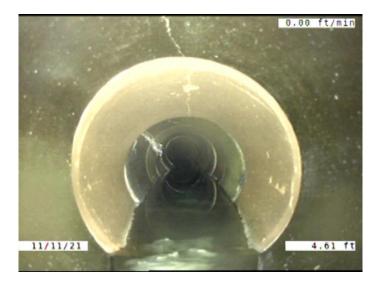
4.5 Distance (ft): Structural Grade: 2 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 10.000 Continuous Index: **S01** Within 8" of Joint: NO

Remarks:



Code: B
Description: Broken

Distance (ft): 4.6
Structural Grade: 4

O&M Grade: 0

Clock Start/From: 12

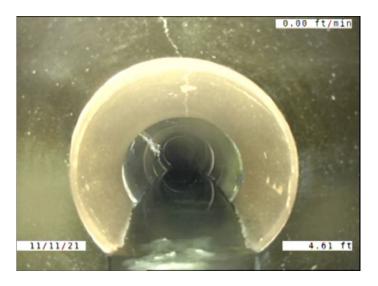
Clock To: 12

1st Value: 2nd Value:

Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: **FM**

Description: Fracture Multiple

Distance (ft): 4.6
Structural Grade: 4

O&M Grade: 0

Clock Start/From: 8

Clock To: 4

1st Value: 2nd Value: Value Percent:

Continuous Index: **S08**Within 8" of Joint: **YES**

Remarks:



Code: **DSF**

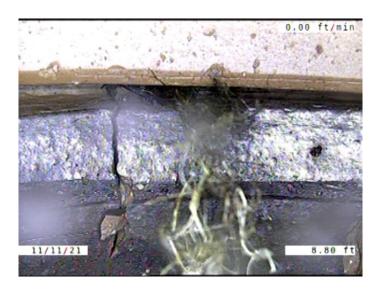
Description: Deposits Settled Fine

Distance (ft): 4.6
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 5
Clock To: 7

1st Value: 2nd Value:

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

Remarks: ALSO RAGS



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:

Within 8" of Joint: YES

Remarks:



Code: RFJ

Description: Roots Fine Joint

Distance (ft): 12.8
Structural Grade: 0

O&M Grade: 1

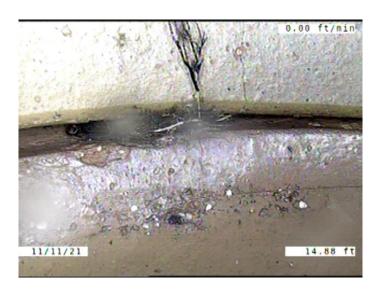
Clock Start/From: 10

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

Within 8" of Joint:

Remarks:

YES



Code: RFJ

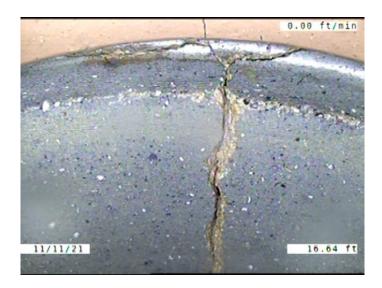
Description: Roots Fine Joint

Distance (ft): 14.9
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 9
Clock To:
1st Value:
2nd Value:

Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: DR

Description: Deformed Rigid

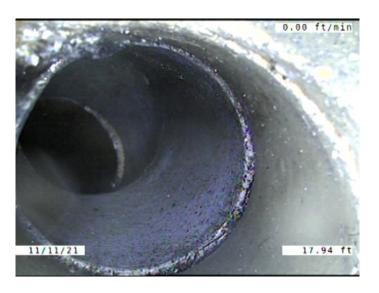
Distance (ft): 16.6
Structural Grade: 4
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

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

Remarks:



Code: **TFD**

Description: Tap Factory Defective

Distance (ft): 17.9
Structural Grade: 0
O&M Grade: 3
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.
BROKEN. ROOTS GROWING FROM T



Code: RFJ

Description: Roots Fine Joint

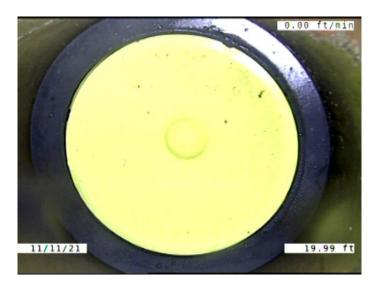
Distance (ft): 19.2
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 3
Clock To: 4

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

Within 8" of Joint:

Remarks:

YES



Code: **TFC**

Description: Tap Factory Capped

Distance (ft): 20.0
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 1

Clock To:

1st Value: **4.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:

rks:



Code: MWLS

Description: Miscellaneous Water Level Sag

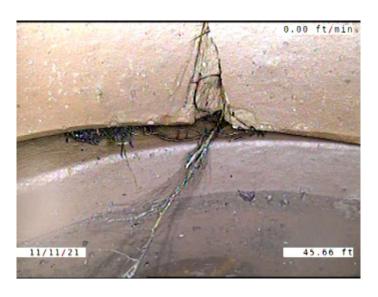
Distance (ft): 26.7
Structural Grade: 2
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

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

Remarks:



Code: RFJ

Description: Roots Fine Joint

Distance (ft): 45.7
Structural Grade: 0

O&M Grade: 1

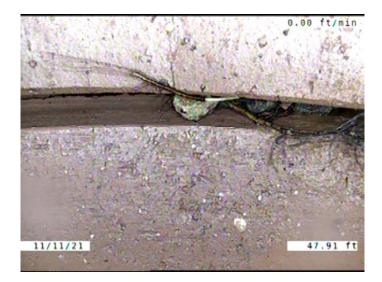
Clock Start/From: 10

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

Within 8" of Joint: YES

Remarks:

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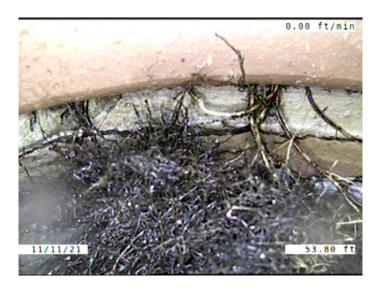


Code: RFJ
Description: Roots Fine Joint

Distance (ft): 47.9
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:



Code: RMJ

Description: Roots Medium Joint

YES

Distance (ft): 53.8
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 8
Clock To: 4
1st Value:
2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint: YES

Remarks:

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Code: RFJ

Description: Roots Fine Joint

Distance (ft): 56.2
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:

Remarks:

YES



Code: RMJ

Description: Roots Medium Joint

Distance (ft): 58.3
Structural Grade: 0

O&M Grade: 3

Clock Start/From: 8

Clock To: 4

1st Value:

2nd Value:

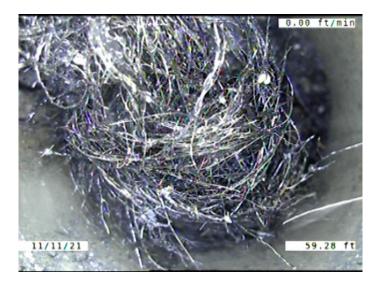
Value Percent: 15.000

Continuous Index:

Within 8" of Joint: YES

Remarks:

arke



Code: **TFD**

Description: Tap Factory Defective

Distance (ft): 59.3
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 10

Clock To:

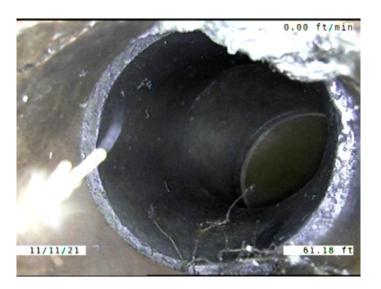
1st Value: **4.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: LOOKS TO BE 100% PLUGGED WITH

ROOTS.



Code: **TFD**

Description: Tap Factory Defective

Distance (ft): 61.2
Structural Grade: 0

O&M Grade: 3

Clock Start/From: 2

Clock To:

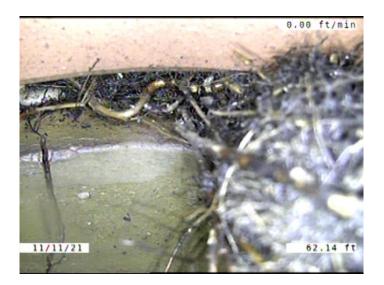
1st Value: **4.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: BROKEN. ROOTS GROWING OUT OF

THE JOINTS



Code: RMJ

Description: **Roots Medium Joint**

Distance (ft): 62.1 Structural Grade: 0 3 O&M Grade: Clock Start/From: 8 Clock To: 4

1st Value: 2nd Value:

Value Percent: 15.000

Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: RMJ

Description: **Roots Medium Joint**

Distance (ft): 63.8 Structural Grade: 0 O&M Grade: 3 Clock Start/From: 8 Clock To: 1st Value:

Value Percent: 5.000

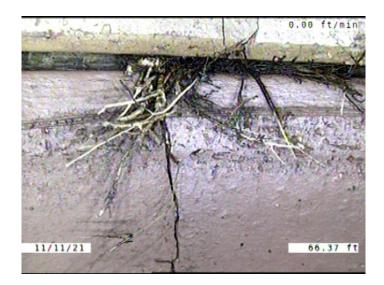
Continuous Index:

Within 8" of Joint:

Remarks:

2nd Value:

YES



Code: RFJ

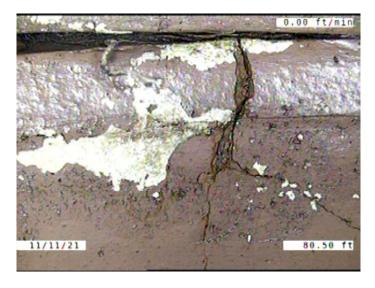
Description: **Roots Fine Joint**

Distance (ft): 66.4 Structural Grade: 0 O&M Grade: 1 Clock Start/From: 8 Clock To: 4

1st Value: 2nd Value: Value Percent:

Continuous Index: **S05** Within 8" of Joint: YES

Remarks:



Code: DAE

Description: **Deposits Attached Encrustation**

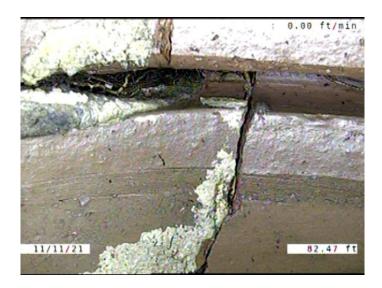
Distance (ft): 80.5 Structural Grade: 0 O&M Grade: 2 Clock Start/From: 8 Clock To: 12 1st Value:

2nd Value: Value Percent: 5.000

Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: DAE

Description: **Deposits Attached Encrustation**

Distance (ft): 82.5 Structural Grade: 0 2 O&M Grade: Clock Start/From: 8 Clock To: 10

1st Value:

2nd Value:

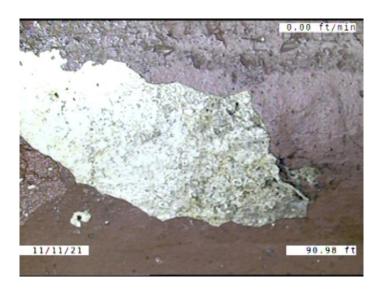
5.000 Value Percent:

Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: DAE

Description: **Deposits Attached Encrustation**

Distance (ft): 91.0 Structural Grade: 0 O&M Grade: 2 Clock Start/From: 8 Clock To: 10 1st Value:

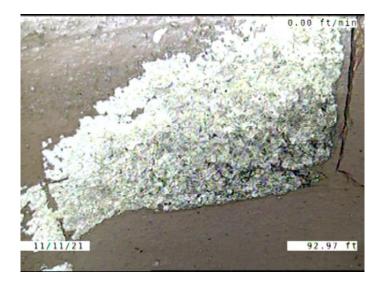
Value Percent:

5.000 Continuous Index:

Within 8" of Joint: YES

Remarks:

2nd Value:



Code: DAE

Description: **Deposits Attached Encrustation**

Distance (ft): 93.0 Structural Grade: 0 2 O&M Grade: Clock Start/From: 9 Clock To: 11

1st Value: 2nd Value:

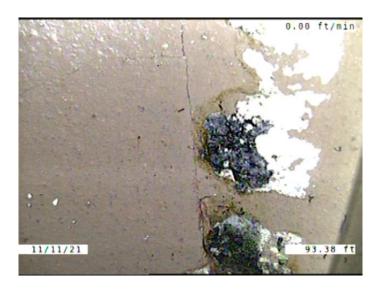
5.000 Value Percent:

Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: DAE

Description: **Deposits Attached Encrustation**

Distance (ft): 93.4 Structural Grade: 0 O&M Grade: 2 Clock Start/From: 2 3 Clock To: 1st Value: 2nd Value:

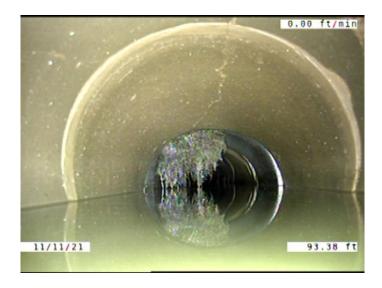
Value Percent: 5.000

Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: MWL

Description: Miscellaneous Water Level

Distance (ft): 93.4
Structural Grade: 0

O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 40.000

Continuous Index:

Within 8" of Joint:

Remarks:

NO



Code: TB

Description: Tap Break-in/Hammer

Distance (ft): 94.5
Structural Grade: 0

O&M Grade: 0

Clock Start/From: 1

Clock To:

1st Value: **4.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: ROOTS GROWING AROUND THE

CONNECTION



Code: **FM**

Description: Fracture Multiple

Distance (ft): 97.3
Structural Grade: 4
O&M Grade: 0
Clock Start/From: 8
Clock To: 4

1st Value: 2nd Value: Value Percent:

Continuous Index: F08
Within 8" of Joint: YES

Remarks:



Code: MCU

Description: Miscellaneous Camera Underwater

Distance (ft): 97.3
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 98.1



Code: DR

Description: **Deformed Rigid**

Distance (ft): 97.3 Structural Grade: O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

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

Remarks:



Code: **RMB**

Description: **Roots Medium Barrel**

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

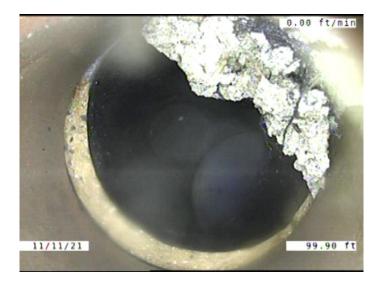
2nd Value:

Value Percent: 30.000

Continuous Index:

Within 8" of Joint: NO

Remarks:



Code: **TFD**

Description: Tap Factory Defective

Distance (ft): 99.9
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 1

Clock To:

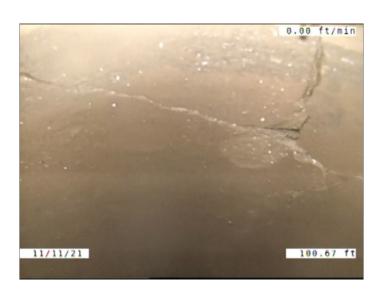
1st Value: **4.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: CAPPED. OFFSET. ROOTS GROWING

OUT OF THE JOINT



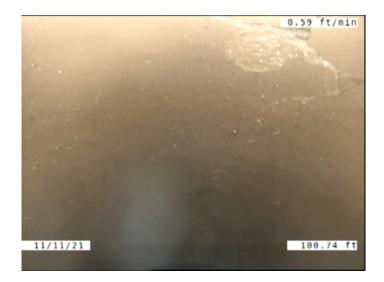
Code: FM

Description: Fracture Multiple

Distance (ft): 100.7
Structural Grade: 4
O&M Grade: 0
Clock Start/From: 8
Clock To: 4
1st Value:
2nd Value:
Value Percent:

Continuous Index: **S09**Within 8" of Joint: **YES**

Remarks:



Code: SSS

Description: **Surface Damage Surface Spalling**

100.7 Distance (ft): 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



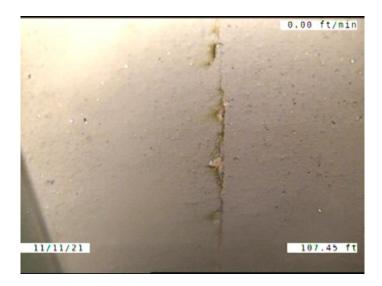
Code: DAE

Description: **Deposits Attached Encrustation**

Distance (ft): 107.5 Structural Grade: 0 O&M Grade: 2 Clock Start/From: 2 Clock To: 4 1st Value: 2nd Value:

Value Percent: 5.000 Continuous Index: **S06** Within 8" of Joint: YES

Remarks:



Code: DAE

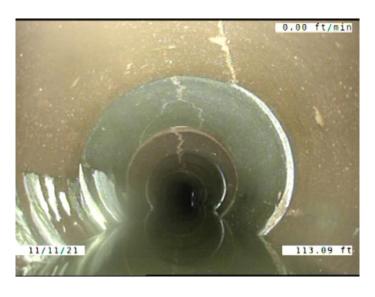
Description: **Deposits Attached Encrustation**

Distance (ft): 107.5 Structural Grade: 0 O&M Grade: 2 Clock Start/From: 8 Clock To: 10

1st Value: 2nd Value:

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

Remarks:



MWL Code:

Description: **Miscellaneous Water Level**

Distance (ft): 113.1 Structural Grade: 0 O&M Grade: 0

Clock Start/From:

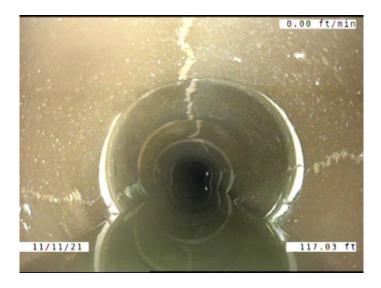
Clock To: 1st Value: 2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint: NO

Remarks:



Code: RFJ

Description: Roots Fine Joint

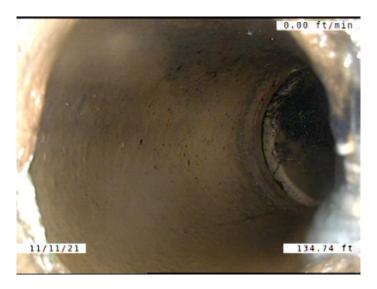
Distance (ft): 117.0
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 8

Clock To: 4
1st Value:
2nd Value:

Value Percent:

Continuous Index: F05
Within 8" of Joint: YES

Remarks:



Code: TBD

Description: Tap Break-in/Hammer Defective

Distance (ft): 134.7
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 2

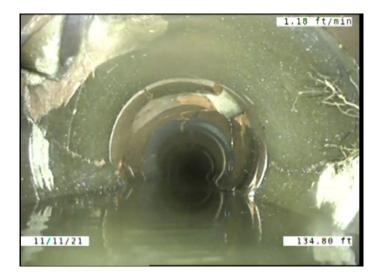
Clock To:

1st Value: **4.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: CONSTANTLY RUNNING WATER.
ROOTS GROWING FROM THE JOINT



Code: B
Description: Broken

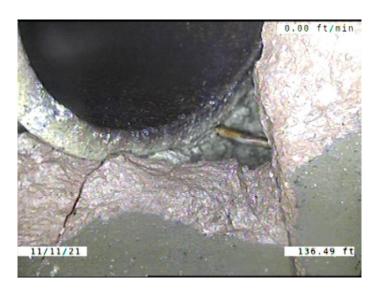
Distance (ft): 134.8
Structural Grade: 4

O&M Grade: 0
Clock Start/From: 10
Clock To: 2

1st Value:
2nd Value:
Value Percent:

Continuous Index: **S10** Within 8" of Joint: **YES**

Remarks:



Code: BSV

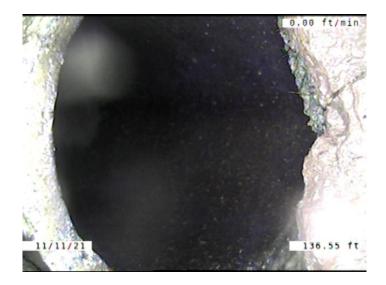
Description: Broken Soil Visible

Distance (ft): 136.5
Structural Grade: 5
O&M Grade: 0
Clock Start/From: 8
Clock To: 11
1st Value:
2nd Value:
Value Percent:

Within 8" of Joint: YES

Remarks:

Continuous Index:



Code: **TFD**

Description: Tap Factory Defective

Distance (ft): 136.5
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 11

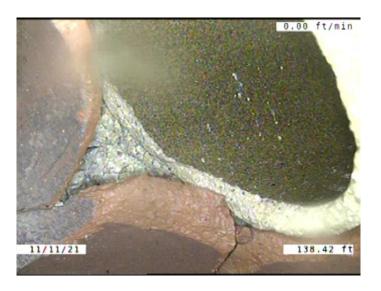
Clock To:

1st Value: **4.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: **Defective**



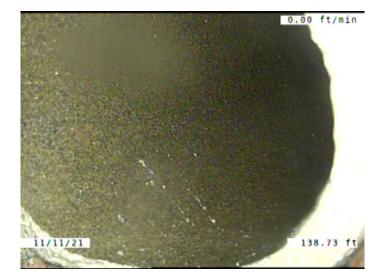
Code: BSV

Description: Broken Soil Visible

Distance (ft): 138.4
Structural Grade: 5
O&M Grade: 0
Clock Start/From: 12
Clock To: 2
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: **TBI**

Description: Tap Break-in Intruding

Distance (ft): 138.7
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 1

Clock To:

 1st Value:
 4.000

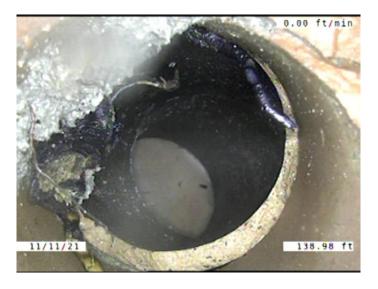
 2nd Value:
 2.000

Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: **TFD**

Description: Tap Factory Defective

Distance (ft): 139.0
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 11

Clock To:

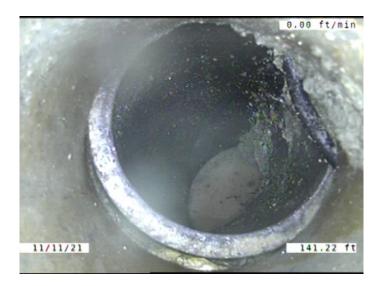
1st Value: **4.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: BROKEN. SOIL VISIBLE. ROOTS

GROWING OUT OF THE OFFSET AND



Code: TFC

Description: Tap Factory Capped

Distance (ft): 141.2
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 1

Clock To:

1st Value: **4.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: BROKEN. OFFSET. SOIL VISIBLE.
ROOTS GROWING FROM THE JOINT



Code: **B**

Description: Broken

Distance (ft): 141.2
Structural Grade: 4

O&M Grade: 0

Clock Start/From: 10

Clock To: 2

1st Value: 2

2nd Value: Value Percent:

Continuous Index: F10
Within 8" of Joint: YES

Remarks:



Code: DAE

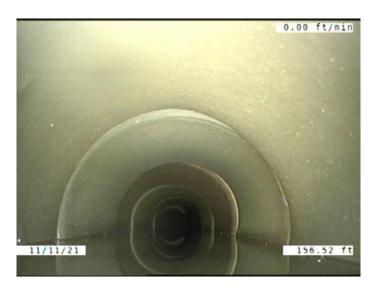
Description: Deposits Attached Encrustation

Distance (ft): 156.5
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 8
Clock To: 10

1st Value: 2nd Value:

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

Remarks:



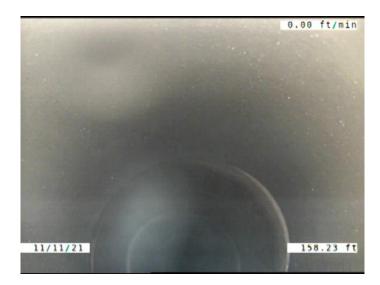
Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 156.5
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 2
Clock To: 4
1st Value:
2nd Value:

Value Percent: 5.000
Continuous Index: F06
Within 8" of Joint: YES

Remarks:



Code: MWL

Description: Miscellaneous Water Level

Distance (ft): 158.2
Structural Grade: 0
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 15.000

Continuous Index:

Within 8" of Joint:

Remarks:

NO



Code: FM

Description: Fracture Multiple

Distance (ft): 171.8

Structural Grade: 4

O&M Grade: 0

Clock Start/From: 8

Clock To: 4

1st Value:

2nd Value:
Value Percent:

Continuous Index: F09
Within 8" of Joint: YES

Remarks:

.



Code: MWL

Description: Miscellaneous Water Level

Distance (ft): 173.7
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:

Remarks:

NO



Code: **DSF**

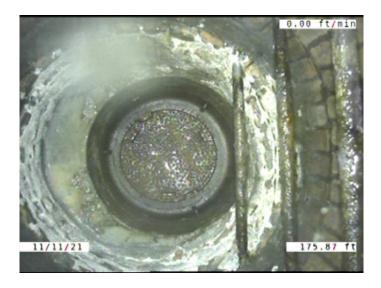
Description: Deposits Settled Fine

Distance (ft): 174.6
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 5
Clock To: 7
1st Value:

2nd Value:

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

Remarks: ALSO RAGS



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-605-028