Profile/Photo Observation Report



Date: 10/30/2021 Weather: **PACP 7.0** Coding: Pipe Length (ft): 170.1 Owner: **City of Hobart** Pre Clean: **Heavy Cleaning** P.O.#: YES502259 S. Bucklin PSR: P-504-046-045 Surveyor:

Customer: **City of Hobart** Clean Date: 10/26/2021 Shape:

North Colorado Street Flow Control: **Not Controlled** Street:

City: Hobart, IN Year Renewed: Alley Tape/Media #: Location:

Purpose: **Routine Assessment** Dia/Height: 12" Use: **Sanitary Sewage Pipe** Material: VCP None

Drain Area: Lining:

Category: NA

Comment:

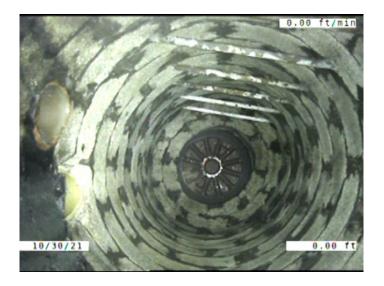
Location Details: Direction of Survey: **Downstream**

US MH: M-504-045 DS MH: M-504-046 Total Length Surveyed (ft): 170.1

2.31 74.00 O&M Index: O&M Quick: O&M Rating: 2.80 42.00 Structural Quick: Structural Rating: Structural Index: 2.47 116.00 Overall Quick: Overall Rating: Overall Index:

	Position	Code	Observation	Video (sec)	Grade
л (504)	045				
	0.	AMH	Manhole	1	NA
	0.	MWL	Miscellaneous Water Level	80	NA
ш	6.1	CM	Crack Multiple	152	S 3
ш	12.3	SSS	Surface Damage Surface Spalling	197	S 2
	14.1	FM	Fracture Multiple	255	S 4
Ш.	14.1	SSS	Surface Damage Surface Spalling	262	S 2
	15.4	TBI	Tap Break-in Intruding	293	M 2
ш	19.1	CM	Crack Multiple	379	S 3
ш	20.2	TFD	Tap Factory Defective	412	M 3
ш	35.3	SSS	Surface Damage Surface Spalling	507	S 2
	37.7	TFD	Tap Factory Defective	549	M 3
	45.5	MWLS(S01)	Miscellaneous Water Level Sag	594	S 2
	49.8	B(S02)	Broken	681	S 4
-	51.1	ТВІ	Tap Break-in Intruding	708	M 2
	52.8	B(F02)	Broken	778	S 4
	61.5	MWLS(F01)	Miscellaneous Water Level Sag	850	S 2
	65.0	OBN	Obstruction Construction Debris	894	M 2
	//66.9	SSS	Surface Damage Surface Spalling	960	S 2
	// 67.4	TBD	Tap Break-in/Hammer Defective	979	M 3

75.5	TFD	Tap Factory Defective	1033	M 3
77.3	TFC	Tap Factory Capped	1068	NA
// 78.9	SSS	Surface Damage Surface Spalling	1121	S 2
79.3	ТВІ	Tap Break-in Intruding	1142	M :
105.9	OBN	Obstruction Construction Debris	1297	M
116.6	RFJ	Roots Fine Joint	1372	M :
119.1	RFJ	Roots Fine Joint	1407	M :
121.8	RMJ	Roots Medium Joint	1450	М 3
122.9	TFC	Tap Factory Capped	1484	NA
123.8	RMJ	Roots Medium Joint	1527	M 3
124.9	TFD	Tap Factory Defective	1554	M 3
125.9	RFJ	Roots Fine Joint	1589	M :
128.4	RMJ	Roots Medium Joint	1631	M 3
128.8	RMC	Roots Medium Connection	1663	М 3
128.8	FM	Fracture Multiple	1707	S 4
129.1	TBI	Tap Break-in Intruding	1724	M 2
131.1	IRJ	Infiltration Runner Joint	1794	M
131.1	IRB	Infiltration Runner Barrel	1828	M
131.1	B(S03)	Broken	1906	S 4
132.3	TBD	Tap Break-in/Hammer Defective	1943	М 3
133.6	RFB	Roots Fine Barrel	1974	M 2
134.4	B(F03)	Broken	1999	S 4
135.2	DSF(S04)	Deposits Settled Fine	2012	M 2
138.5	RFJ	Roots Fine Joint	2039	M :
163.0	TFD	Tap Factory Defective	2182	М 3
/164.9	TFC	Tap Factory Capped	2216	NA
166.1	В	Broken	2273	S 4
166.1	ISB	Infiltration Stain Barrel	2292	M :
168.9	DSF(F04)	Deposits Settled Fine	2321	M
170.1	AMH	Manhole	2390	NA



Code: AMH Description: Manhole

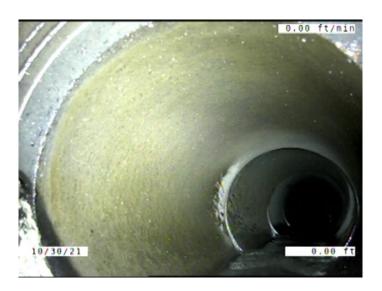
Distance (ft): .0 Structural Grade: 0 0 O&M Grade:

Clock Start/From:

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

Within 8" of Joint: NO

Remarks: M-504-045



MWL Code:

Description: **Miscellaneous Water Level**

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

Clock Start/From:

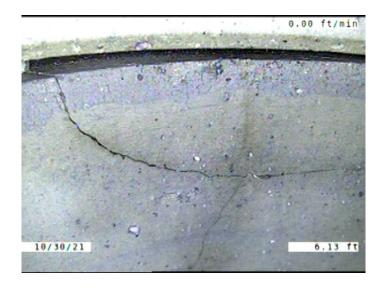
Clock To: 1st Value: 2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint: NO

Remarks:



Code: CM

Description: Crack Multiple

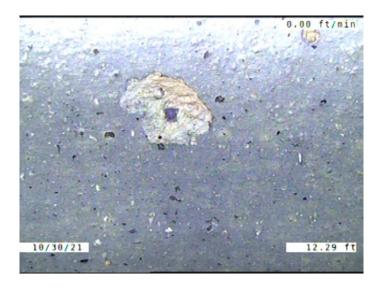
Distance (ft): 6.1
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 9
Clock To: 1

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

Within 8" of Joint:

Remarks:

YES



Code: SSS

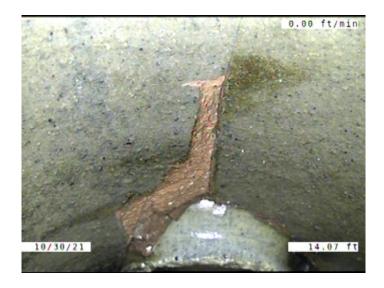
Description: Surface Damage Surface Spalling

Distance (ft): 12.3
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: YES

Remarks:



Code: **FM**

Description: Fracture Multiple

Distance (ft): 14.1
Structural Grade: 4

O&M Grade: 0

Clock Start/From: 10

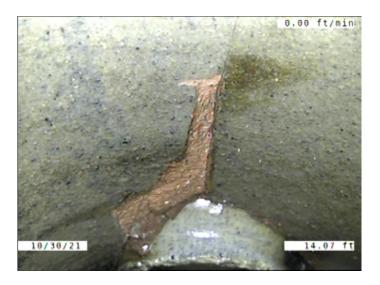
Clock To: 2

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

Within 8" of Joint:

Remarks:

YES



Code: SSS

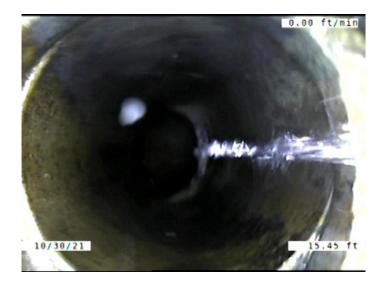
Description: Surface Damage Surface Spalling

Distance (ft): 14.1
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: NO

Remarks:



Code: **TBI**

Description: Tap Break-in Intruding

Distance (ft): 15.4
Structural Grade: 0

O&M Grade: 2

Clock Start/From: 12

Clock To:

 1st Value:
 4.000

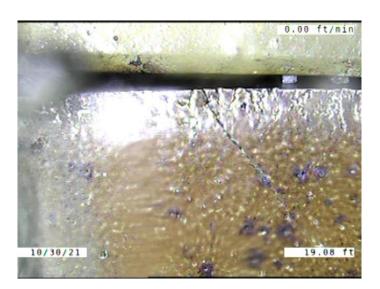
 2nd Value:
 1.000

Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: CONSTANTLY RUNNING WATER.

OFFSET JOINT



Code: CM

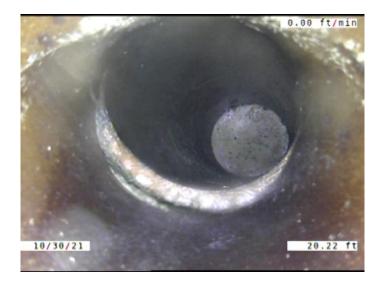
Description: Crack Multiple

Distance (ft): 19.1
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 9
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): 20.2
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 12

Clock To:

1st Value: **4.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: CAPPED. OFFSET JIONT



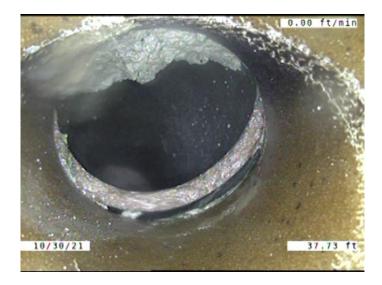
Code: SSS

Description: Surface Damage Surface Spalling

Distance (ft): 35.3
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 7
Clock To: 8
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: **TFD**

Description: **Tap Factory Defective**

Distance (ft): 37.7 Structural Grade: 0 3 O&M Grade: Clock Start/From: 11

Clock To:

1st Value: 4.000

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: **OFFSET JOINT**



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

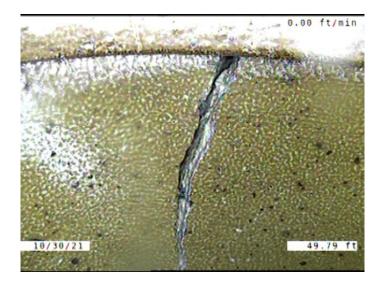
45.5 Distance (ft): Structural Grade: 2 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 15.000 Continuous Index: **S01** Within 8" of Joint: NO

Remarks:



Code: B
Description: Broken

Distance (ft): 49.8
Structural Grade: 4

O&M Grade: 0

Clock Start/From: 8

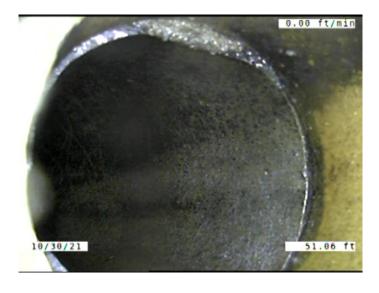
Clock To: 4

1st Value:

2nd Value: Value Percent:

Continuous Index: S02
Within 8" of Joint: YES

Remarks:



Code: TBI

Description: Tap Break-in Intruding

Distance (ft): 51.1
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 11

Clock To:

 1st Value:
 4.000

 2nd Value:
 2.000

Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: CONSTANTLY RUNNING WATER



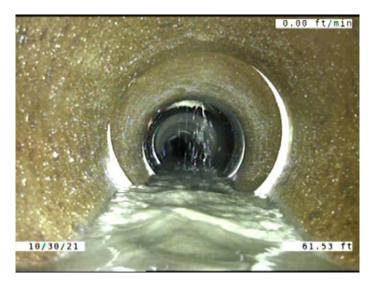
Code: Description: Broken

Distance (ft): 52.8 Structural Grade: 4 0 O&M Grade: Clock Start/From: 8 Clock To: 4 1st Value:

2nd Value: Value Percent:

Continuous Index: F02 Within 8" of Joint: YES

Remarks:



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

Distance (ft): 61.5 Structural Grade: 2 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 15.000 Continuous Index: F01 Within 8" of Joint: NO

Remarks:



Code: OBN

Description: Obstruction Construction Debris

Distance (ft): 65.0
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: YES

Remarks: METAL ROD



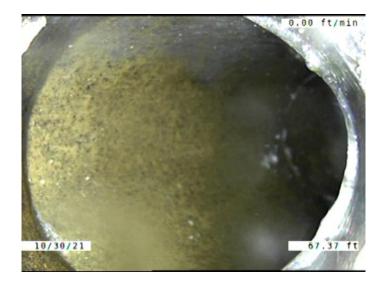
Code: SSS

Description: Surface Damage Surface Spalling

Distance (ft): 66.9
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 10
Clock To: 1
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint: NO

Remarks:



Code: TBD

Description: Tap Break-in/Hammer Defective

Distance (ft): 67.4
Structural Grade: 0

O&M Grade: 3

Clock Start/From: 12

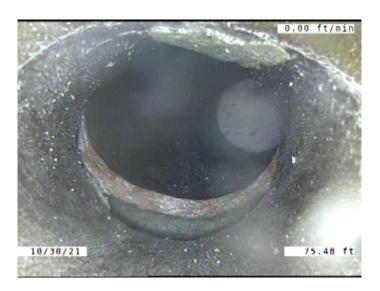
Clock To:

1st Value: **4.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: CONSTANTLY RUNNING WATER



Code: **TFD**

Description: Tap Factory Defective

Distance (ft): 75.5
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 12

Clock To:

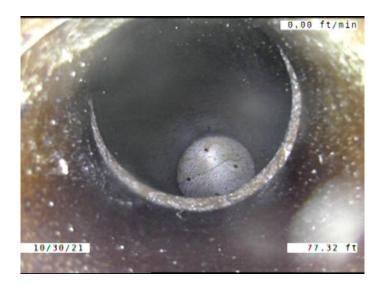
1st Value: **4.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: CAPPED. LARGE OFFSET. SOIL

VISIBLE.



Code: TFC

Description: Tap Factory Capped

Distance (ft): 77.3
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 11

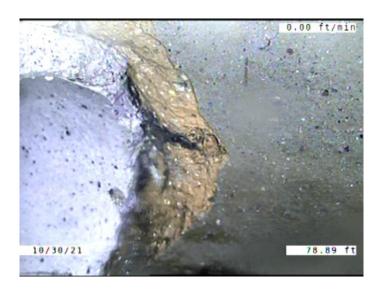
Clock To:

1st Value: **4.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: CAP CRACKED



Code: SSS

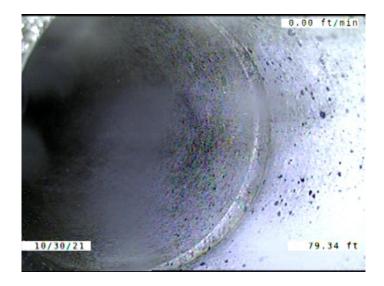
Description: Surface Damage Surface Spalling

Distance (ft): 78.9
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 10
Clock To: 12
1st Value:
2nd Value:
Value Percent:

Within 8" of Joint: NO

Remarks:

Continuous Index:



Code: **TBI**

Description: Tap Break-in Intruding

Distance (ft): 79.3
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 11

Clock To:

 1st Value:
 4.000

 2nd Value:
 1.000

Value Percent:

Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: OBN

Description: Obstruction Construction Debris

Distance (ft): 105.9
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: YES

Remarks:



Code: RFJ

Description: Roots Fine Joint

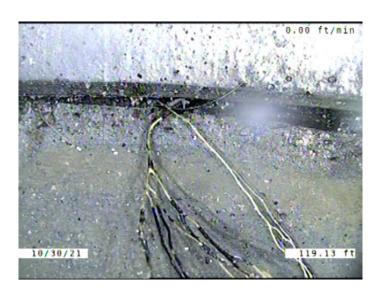
Distance (ft): 116.6
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 10

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

Continuous Index: Within 8" of Joint:

Remarks:

YES



Code: RFJ

Description: Roots Fine Joint

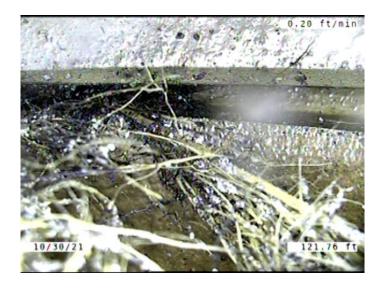
Distance (ft): 119.1
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 2
Clock To:
1st Value:

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:

o or joint.



Code: RMJ

Description: Roots Medium Joint

Distance (ft): 121.8
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 12
Clock To: 2

1st Value: 2nd Value:

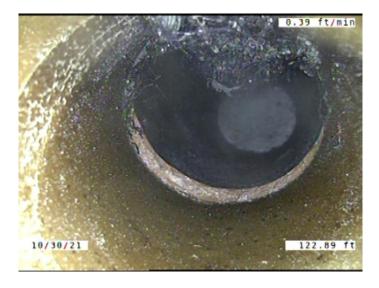
Value Percent: 5.000

Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: TFC

Description: Tap Factory Capped

Distance (ft): 122.9
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 12

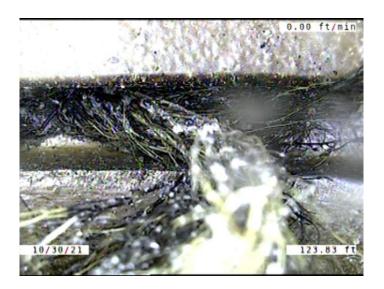
Clock To:

1st Value: **4.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: ROOTS GROWING DOWN THE TAP



Code: RMJ

Description: Roots Medium Joint

Distance (ft): 123.8
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 8
Clock To: 11

1st Value:

2nd Value:

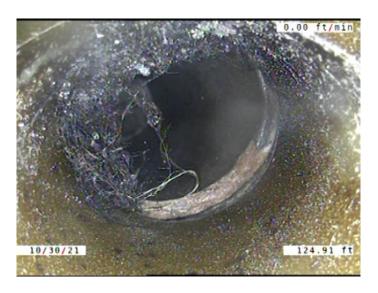
Value Percent: 5.000

Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: **TFD**

Description: Tap Factory Defective

Distance (ft): 124.9
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: ROOTS GROWING DOWN THE TAP.

OFFSET JOINT. SOIL VISIBLE



Code: RFJ

Description: Roots Fine Joint

Distance (ft): 125.9
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 2

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

Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:



10/30/21

Code: RMJ

Description: Roots Medium Joint

Distance (ft): 128.4
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 10
Clock To: 3
1st Value:

Value Percent: 25.000

Continuous Index:

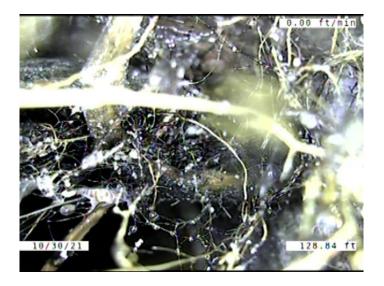
Within 8" of Joint: YES

Remarks:

128.41 ft

2nd Value:

arke:



Code: RMC

Description: Roots Medium Connection

Distance (ft): 128.8
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 10

Clock To: 12

1st Value: 2nd Value:

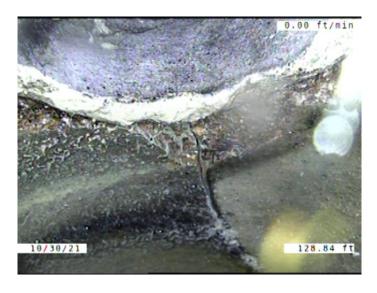
Value Percent: 5.000

Continuous Index:

Within 8" of Joint:

Remarks:

NO



Code: FM

Description: Fracture Multiple

Distance (ft): 128.8
Structural Grade: 4

O&M Grade: 0

Clock Start/From: 10

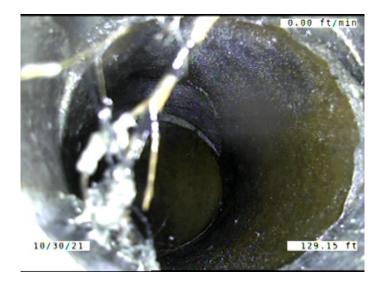
Clock To: 5

1st Value:

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: TBI

Description: Tap Break-in Intruding

Distance (ft): 129.1
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 11

Clock To:

 1st Value:
 4.000

 2nd Value:
 1.000

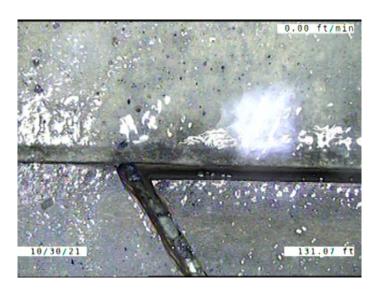
Value Percent:

Continuous Index:
Within 8" of Joint:

Remarks: **CONSTANTLY RUNNING WATER.**

YES

ROOTS GROWING AROUND THE TAP



Code: IRJ

Description: Infiltration Runner Joint

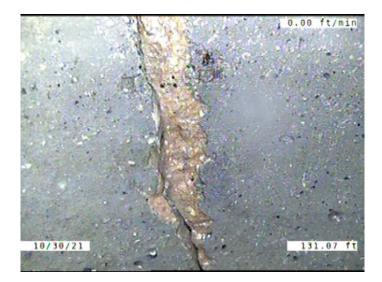
Distance (ft): 131.1
Structural Grade: 0
O&M Grade: 4
Clock Start/From: 1
Clock To: 4
1st Value:
2nd Value:

Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: ALSO RUNNING OUT OF THE

BARRELL



Code: IRB

Description: Infiltration Runner Barrel

Distance (ft): 131.1
Structural Grade: 0
O&M Grade: 4
Clock Start/From: 10

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

Within 8" of Joint:

Remarks:

NO



Code: B
Description: Broken

Distance (ft): 131.1
Structural Grade: 4
O&M Grade: 0
Clock Start/From: 12
Clock To: 12
1st Value:
2nd Value:
Value Percent:

Remarks:

Continuous Index: **S03**Within 8" of Joint: **YES**



Code: TBD

Description: Tap Break-in/Hammer Defective

Distance (ft): 132.3 Structural Grade: 0 O&M Grade: 3 Clock Start/From: 12

Clock To:

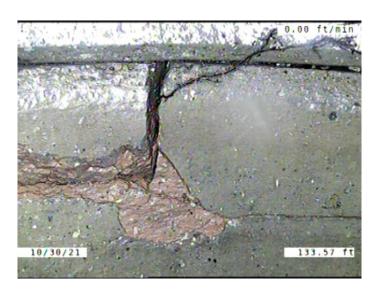
1st Value: 4.000

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: **CONSTANTLY RUNNING WATER.**

BROKEN. ROOTS GROWING IN IT



Code: **RFB**

Description: **Roots Fine Barrel**

Distance (ft): 133.6 Structural Grade: 0 O&M Grade: 2 Clock Start/From: 11

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

Within 8" of Joint: NO

Remarks:



Code: Description: Broken

Distance (ft): 134.4 Structural Grade: 4 O&M Grade: 0 Clock Start/From: 12 Clock To: 12 1st Value:

2nd Value: Value Percent:

Continuous Index: F03 Within 8" of Joint: YES

Remarks:



DSF Code:

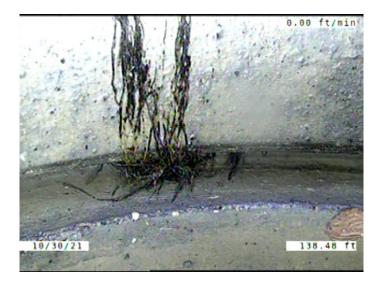
Description: **Deposits Settled Fine**

Distance (ft): 135.2 Structural Grade: 0 O&M Grade: 2 Clock Start/From: 5 7 Clock To: 1st Value:

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

Remarks:

2nd Value:



Code: RFJ

Description: Roots Fine Joint

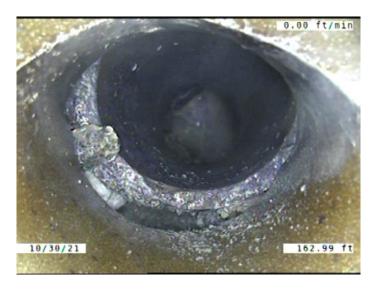
Distance (ft): 138.5
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 10

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

Within 8" of Joint:

Remarks:

YES



Code: **TFD**

Description: Tap Factory Defective

Distance (ft): 163.0
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 1

Clock To:

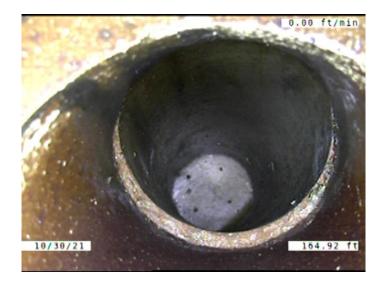
1st Value: **4.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: LARGE OFFSET. SOIL VISIBLE. LOOKS

TO BE CAPPED



Code: TFC

Description: Tap Factory Capped

Distance (ft): 164.9
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 11

Clock To:

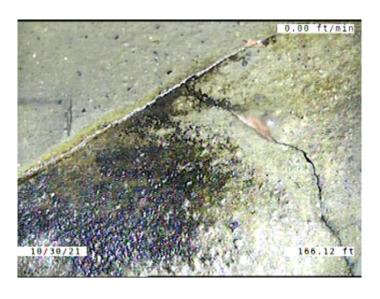
1st Value: **4.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: **B**

Description: Broken

Distance (ft): 166.1
Structural Grade: 4

O&M Grade: 0

Clock Start/From: 5

Clock To: 10

1st Value:

2nd Value:

Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: ISB

Description: Infiltration Stain Barrel

Distance (ft): 166.1
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 8
Clock To: 9

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

Within 8" of Joint:

Remarks:

YES



Code: **DSF**

Description: Deposits Settled Fine

Distance (ft): 168.9
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 5
Clock To: 7
1st Value:

2nd Value:

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

Remarks:

arks:



Code: AMH
Description: Manhole

Distance (ft): 170.1
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-504-046