Profile/Photo Observation Report



Date: 11/16/2021 Weather: **PACP 7.0** Coding: Pipe Length (ft): 208.9 Owner: **City of Hobart** Pre Clean: **Heavy Cleaning** P.O.#: S. Bucklin PSR: P-605-072-008 YES502259 Surveyor:

Customer: City of Hobart Clean Date: 11/16/2021 Shape: C

Street: South Ash Street Flow Control: Not Controlled

City: Hobart, IN 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**

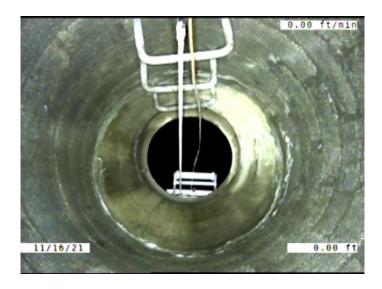
US MH: M-605-008 DS MH: M-605-072 Total Length Surveyed (ft): 208.9

1.67 4134 60.00 O&M Index: O&M Quick: O&M Rating: 3.63 524D 138.00 Structural Rating: Structural Index: Structural Quick: 2.68 524D 198.00 Overall Index: Overall Quick: Overall Rating:

	Position	Code	Observation	Video (sec)	Grade
M(605-)0	008				
	0. //	AMH	Manhole	1	NA
	0.	MWL	Miscellaneous Water Level	72	NA
	1.1	В	Broken	157	S 4
	1.1	DAE	Deposits Attached Encrustation	203	M 2
- 11	2.1	В	Broken	266	S 4
	4.1	FM	Fracture Multiple	341	S 4
	8.1	FM	Fracture Multiple	437	S 4
	18.6	DAE	Deposits Attached Encrustation	518	M 2
	19.3	TF	Tap Factory	545	NA
s — \	20.3	В	Broken	589	S 4
Ţ.	22.3	В	Broken	638	S 4
Camera Direction	24.4	B(S01)	Broken	716	S 4
nera	28.4	RFJ	Roots Fine Joint	780	M 1
re Ca	29.5	TFD	Tap Factory Defective	811	M 3
	34.5	RFJ	Roots Fine Joint	879	M 1
	38.7	DAE	Deposits Attached Encrustation	925	M 2
1	38.9	B(F01)	Broken	940	S 4
	42.6	CM	Crack Multiple	960	S 3
	42.6	RFJ(S02)	Roots Fine Joint	987	M 1

56.2	CM	Crack Multiple	1059	S 3
56.9	DAE	Deposits Attached Encrustation	1068	M 2
59.0	FM	Fracture Multiple	1098	S 4
59.0	DAE	Deposits Attached Encrustation	1111	M 2
59.8	TFD	Tap Factory Defective	1142	М 3
61.9	HSV	Hole Soil Visible	1244	S 5
61.9	BSV	Broken Soil Visible	1270	S 5
61.9	RFB	Roots Fine Barrel	1315	M 2
65.1	FM(S05)	Fracture Multiple	1345	S 4
75.1	DAE	Deposits Attached Encrustation	1423	M 2
77.2	DAE	Deposits Attached Encrustation	1473	M 2
77.7	DAE	Deposits Attached Encrustation	1498	M 2
78.2	TFD	Tap Factory Defective	1521	М 3
81.4	DAE	Deposits Attached Encrustation	1580	M 2
105.6	MWLS(S03)	Miscellaneous Water Level Sag	1729	S 2
107.2	SSS	Surface Damage Surface Spalling	1777	S 2
107.2	DAE	Deposits Attached Encrustation	1780	M 2
118.5	TFD	Tap Factory Defective	1885	М 3
124.0	FM(F05)	Fracture Multiple	1934	S 4
124.8	MWLS(F03)	Miscellaneous Water Level Sag	1943	S 2
124.8	RFJ(F02)	Roots Fine Joint	1951	M 1
127.5	FM	Fracture Multiple	1971	S 4
139.3	FM	Fracture Multiple	2013	S 4
162.0	CM	Crack Multiple	2095	S 3
162.0	DAE	Deposits Attached Encrustation	2112	M 2
192.8	FM(S06)	Fracture Multiple	2301	S 4
194.6	DAE(S04)	Deposits Attached Encrustation	2351	M 2
197.9	FM(F06)	Fracture Multiple	2389	S 4
199.3	MWL	Miscellaneous Water Level	2405	NA
199.3	DAE(F04)	Deposits Attached Encrustation	2420	M 2
200.6	SSS	Surface Damage Surface Spalling	2460	S 2
202.6	CM	Crack Multiple	2491	S 3
206.1	MCU	Miscellaneous Camera Underwater	2540	M
206.1	MWL	Miscellaneous Water Level	2548	NA
207.1	FM	Fracture Multiple	2565	S 4
208.9	MGO	Miscellaneous General Observation	2653	NA
208.9	AMH	Manhole	2666	NA

Wednesday, January 19, 2022



Code: AMH
Description: Manhole

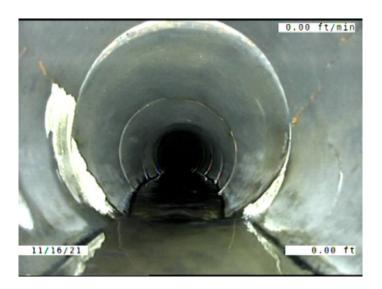
Distance (ft): .0
Structural Grade: 0
O&M Grade: 0

Clock Start/From:

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

Within 8" of Joint: NO

Remarks: M-605-008



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



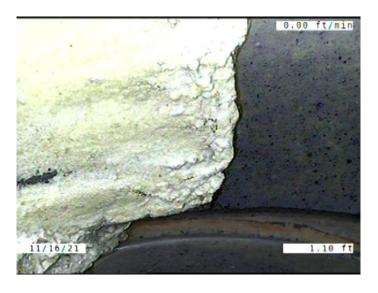
Code: Description: Broken

Distance (ft): 1.1 Structural Grade: 4 0 O&M Grade: Clock Start/From: 8 Clock To: 4 1st Value: 2nd Value: Value Percent:

Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: DAE

Description: **Deposits Attached Encrustation**

Distance (ft): 1.1 Structural Grade: 0 O&M Grade: 2 Clock Start/From: 3 Clock To: 10 1st Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint:

Remarks:

2nd Value:



Code: B
Description: Broken

Distance (ft): 2.1
Structural Grade: 4

O&M Grade: 0

Clock Start/From: 8

Clock To: 4

1st Value: 2

2nd Value: Value Percent:

Continuous Index: Within 8" of Joint:

Remarks:



Code: **FM**

Description: Fracture Multiple

YES

Distance (ft): 4.1 Structural Grade: 4 O&M Grade: 0 Clock Start/From: 9 Clock To: 3 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: YES



Code: FΜ

Description: **Fracture Multiple**

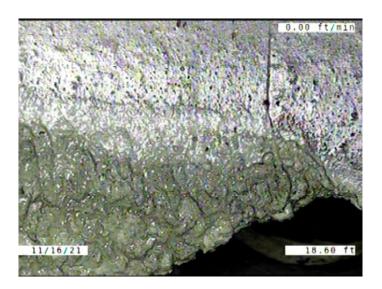
Distance (ft): 8.1 Structural Grade: 4 0 O&M Grade: Clock Start/From: 10 Clock To: 3

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

Within 8" of Joint:

Remarks:

YES



Code: DAE

Description: **Deposits Attached Encrustation**

Distance (ft): 18.6 Structural Grade: 0 O&M Grade: 2 Clock Start/From: 9 Clock To: 11 1st Value:

2nd Value: Value Percent:

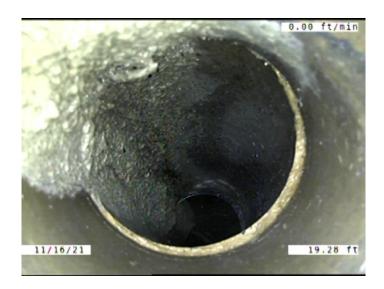
Continuous Index:

Within 8" of Joint:

Remarks:

YES

5.000



Code: **TF**

Description: Tap Factory

Distance (ft): 19.3
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 11

Clock To:

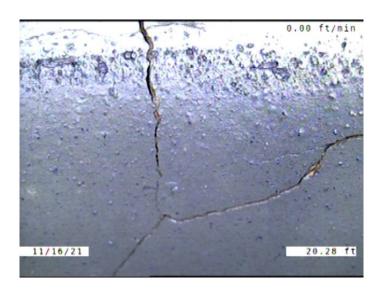
1st Value: **4.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: **ENCRUSTATION IN THE TAP AND**

COMING INTO THE MAIN.



Code: B

Description: Broken

Distance (ft): 20.3
Structural Grade: 4

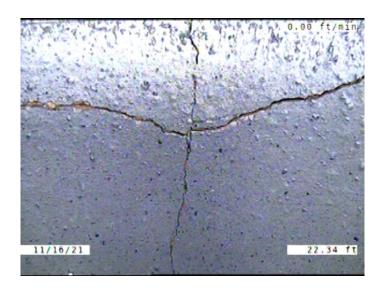
O&M Grade: 0
Clock Start/From: 11
Clock To: 2

1st Value:
2nd Value:
Value Percent:

Continuous Index: Within 8" of Joint:

Remarks:

YES



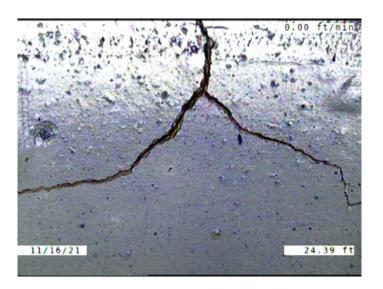
Code: B
Description: Broken

Distance (ft): 22.3
Structural Grade: 4

O&M Grade: 0
Clock Start/From: 11
Clock To: 2

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

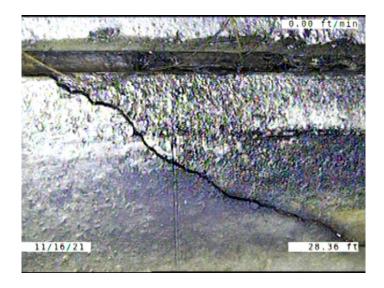
Within 8" of Joint: Remarks:



Code: B
Description: Broken

YES

Distance (ft): 24.4 Structural Grade: 4 O&M Grade: 0 Clock Start/From: 9 Clock To: 4 1st Value: 2nd Value: Value Percent: Continuous Index: **S01** Within 8" of Joint: YES



Code: RFJ

Description: Roots Fine Joint

Distance (ft): 28.4
Structural Grade: 0

O&M Grade: 1

Clock Start/From: 9

Clock To: 1

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

Within 8" of Joint:

Remarks:

YES



Code: **TFD**

Description: Tap Factory Defective

Distance (ft): 29.5
Structural Grade: 0

O&M Grade: 3

Clock Start/From: 1

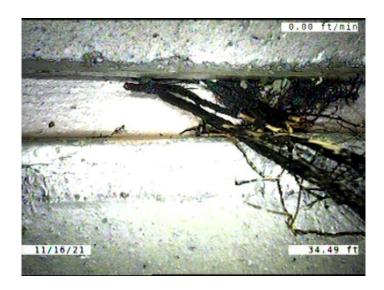
Clock To:

1st Value: **4.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: LARGE OFFSET. SOIL VISIBLE



Code: RFJ

Description: Roots Fine Joint

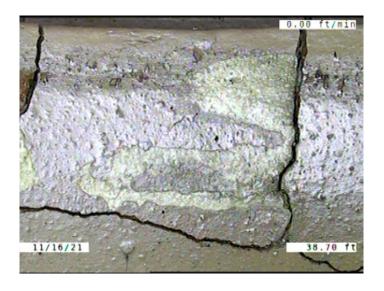
Distance (ft): 34.5
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 1
Clock To: 4

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

Within 8" of Joint:

Remarks:

YES



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 38.7
Structural Grade: 0

O&M Grade: 2

Clock Start/From: 9

Clock To: 11

1st Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint: YES

Remarks:

2nd Value:

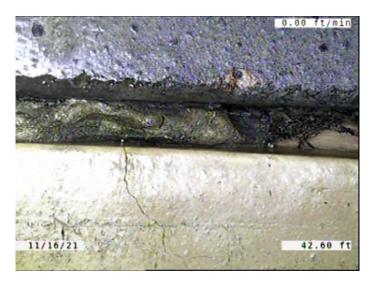


Code: Description: Broken

Distance (ft): 38.9 Structural Grade: 4 O&M Grade: 0 Clock Start/From: 9 Clock To: 4 1st Value: 2nd Value: Value Percent:

Continuous Index: F01 Within 8" of Joint: YES

Remarks:



CM Code:

Description: **Crack Multiple**

Distance (ft): 42.6 Structural Grade: 3 O&M Grade: 0 Clock Start/From: 9 3 Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint:

Remarks:

YES



Code: RFJ
Description: Roots Fine Joint

Distance (ft): 42.6
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 9
Clock To: 4
1st Value:
2nd Value:
Value Percent:

Continuous Index: S02
Within 8" of Joint: YES

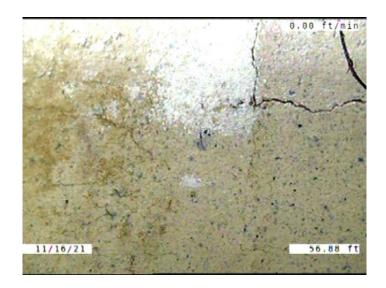
Remarks:



Code: CM

Description: Crack Multiple

Distance (ft): 56.2 Structural Grade: 3 O&M Grade: 0 Clock Start/From: 10 Clock To: 2 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: YES



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 56.9
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 8
Clock To: 10

1st Value: 2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: FM

Description: Fracture Multiple

Distance (ft): 59.0
Structural Grade: 4
O&M Grade: 0
Clock Start/From: 9
Clock To: 3
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint: YES



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 59.0
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 1
Clock To: 4

1st Value:

2nd Value:

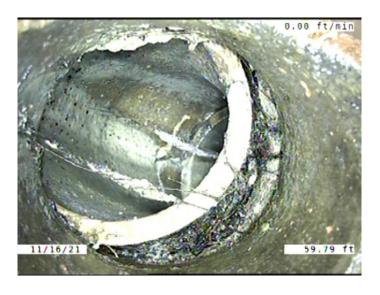
Value Percent: 5.000

Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: **TFD**

Description: Tap Factory Defective

Distance (ft): 59.8
Structural Grade: 0

O&M Grade: 3

Clock Start/From: 10

Clock To:

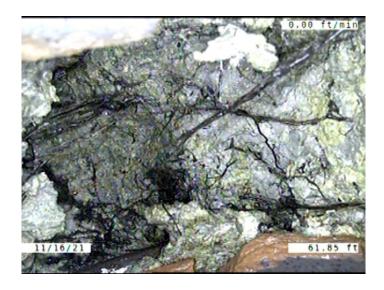
1st Value: **4.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: LARGE OFFSET. SOIL VISIBLE.

BROKEN. ROOTS GROWING FROM T



Code: HSV

Description: Hole Soil Visible

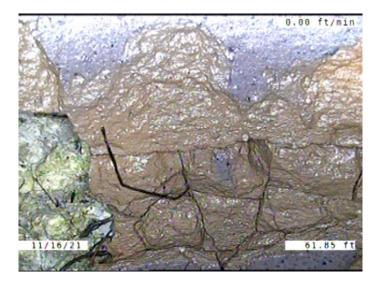
Distance (ft): 61.9
Structural Grade: 5
O&M Grade: 0
Clock Start/From: 8
Clock To: 11

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

Within 8" of Joint:

Remarks:

YES



Code: BSV

Description: Broken Soil Visible

Distance (ft): 61.9
Structural Grade: 5

O&M Grade: 0
Clock Start/From: 7

Clock To: 12

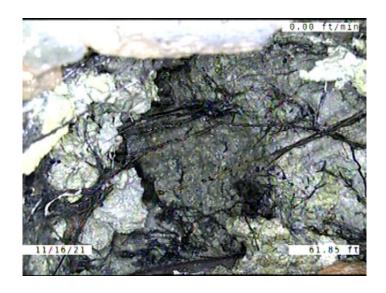
1st Value:
2nd Value:
Value Percent:

Within 8" of Joint:

Continuous Index:

Remarks:

YES



Code: RFB

Description: Roots Fine Barrel

Distance (ft): 61.9
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 8
Clock To: 12

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

Within 8" of Joint:

Remarks:

NO



Code: FM

Description: Fracture Multiple

Distance (ft): 65.1
Structural Grade: 4

O&M Grade: 0

Clock Start/From: 7

Clock To: 5

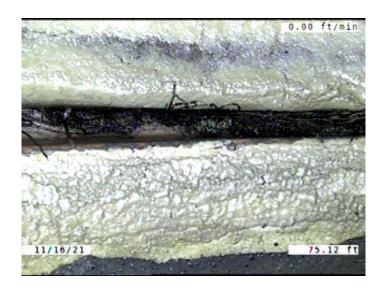
1st Value:

Value Percent:

2nd Value:

Continuous Index: S05
Within 8" of Joint: YES

Remarks: Wandering



Code: DAE

Description: **Deposits Attached Encrustation**

Distance (ft): 75.1 Structural Grade: 0 2 O&M Grade: Clock Start/From: 8 Clock To: 11

1st Value: 2nd Value:

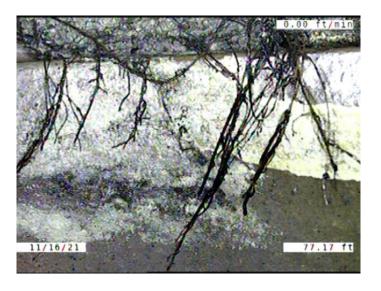
5.000 Value Percent:

Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: DAE

Description: **Deposits Attached Encrustation**

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

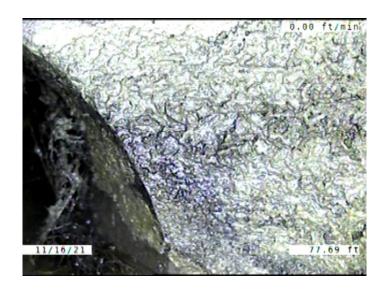
Value Percent: 5.000

Continuous Index:

Within 8" of Joint:

Remarks:

2nd Value:



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 77.7
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 2
Clock To: 4

1st Value:

2nd Value:

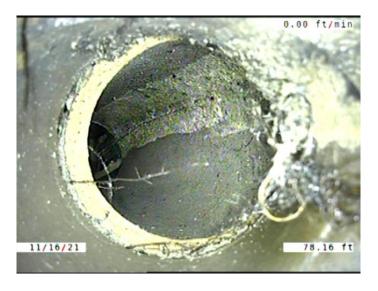
Value Percent: 5.000

Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: **TFD**

Description: Tap Factory Defective

Distance (ft): 78.2
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 1

Clock To:

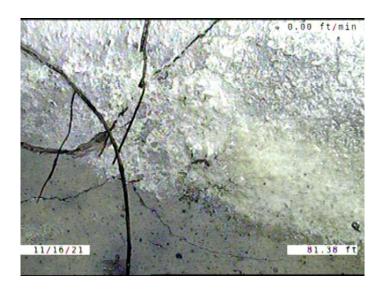
2nd Value:

1st Value: **4.000**

Value Percent: Continuous Index:

Within 8" of Joint: YES

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



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 81.4
Structural Grade: 0

O&M Grade: 2

Clock Start/From: 1

Clock To: 3

1st Value: 2nd Value:

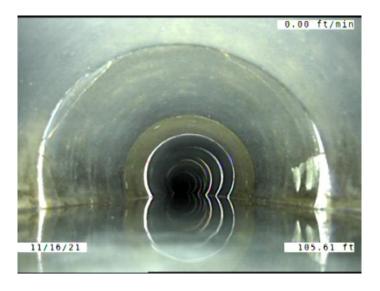
Value Percent: 5.000

Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: MWLS

Description: Miscellaneous Water Level Sag

Distance (ft): 105.6
Structural Grade: 2
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 15.000
Continuous Index: S03
Within 8" of Joint: NO



Code: SSS

Description: Surface Damage Surface Spalling

Distance (ft): 107.2
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 12

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

Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 107.2
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 2

Clock To:
1st Value:
2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint: YI

Remarks:

YES



Code: **TFD**

Description: Tap Factory Defective

Distance (ft): 118.5
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 11

Clock To:

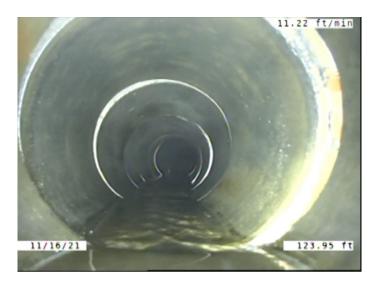
1st Value: **4.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: **ENCRUSTATION IN THE TAP. LARGE**

OFFSET. SOIL VISIBLE. ROOTS GROW



Code: FM

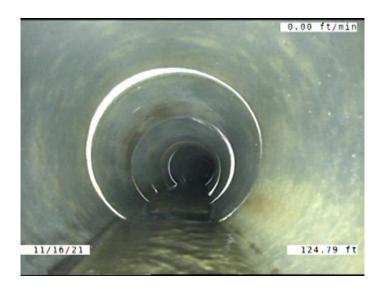
Description: Fracture Multiple

Distance (ft): 124.0
Structural Grade: 4
O&M Grade: 0
Clock Start/From: 7
Clock To: 5
1st Value:

2nd Value: Value Percent:

Continuous Index: F05
Within 8" of Joint: YES

Remarks: Wandering



Code: MWLS

Description: Miscellaneous Water Level Sag

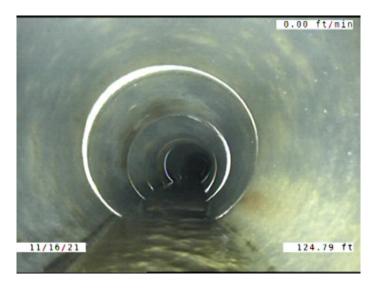
Distance (ft): 124.8
Structural Grade: 2
O&M Grade: 0

Clock To: 1st Value: 2nd Value:

Clock Start/From:

Value Percent: 15.000
Continuous Index: F03
Within 8" of Joint: NO

Remarks:



Code: RFJ

Description: Roots Fine Joint

Distance (ft): 124.8
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 9
Clock To: 4
1st Value:
2nd Value:
Value Percent:

Continuous Index: F02
Within 8" of Joint: YES



Code: **FM**

Description: Fracture Multiple

Distance (ft): 127.5
Structural Grade: 4
O&M Grade: 0
Clock Start/From: 12
Clock To: 2

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

Within 8" of Joint:

Remarks:

YES



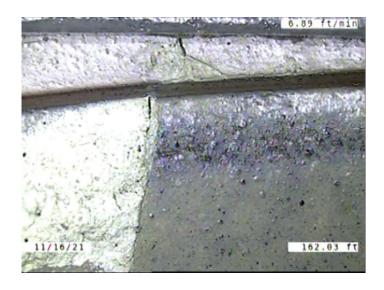
Code: FM

Description: Fracture Multiple

Distance (ft): 139.3
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: YES



Code: CM

Description: Crack Multiple

Distance (ft): 162.0
Structural Grade: 3
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: DAE

Description: Deposits Attached Encrustation

Distance (ft): 162.0
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 9
Clock To: 11
1st Value:

2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint: YES



Code: FM

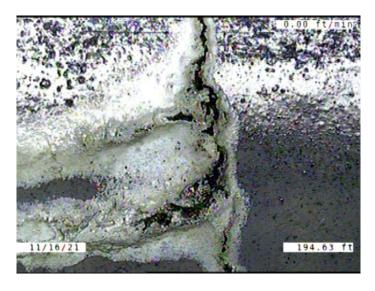
Description: Fracture Multiple

Distance (ft): 192.8
Structural Grade: 4
O&M Grade: 0
Clock Start/From: 11
Clock To: 1

1st Value: 2nd Value: Value Percent:

Continuous Index: S06
Within 8" of Joint: YES

Remarks:



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 194.6
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 9
Clock To: 3

1st Value: 2nd Value:

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



Code: **FM**

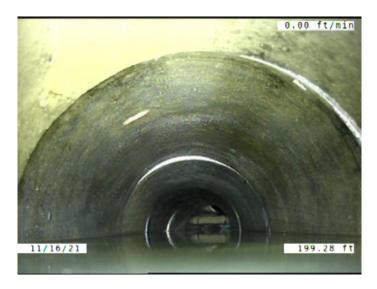
Description: Fracture Multiple

Distance (ft): 197.9
Structural Grade: 4
O&M Grade: 0
Clock Start/From: 11
Clock To: 1

1st Value: 2nd Value: Value Percent:

Continuous Index: F06
Within 8" of Joint: YES

Remarks:



Code: MWL

Description: Miscellaneous Water Level

Distance (ft): 199.3
Structural Grade: 0
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 25.000

Continuous Index:

Within 8" of Joint: NO



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 199.3
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 9
Clock To: 3

1st Value: 2nd Value:

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

Remarks:



Code: SSS

Description: Surface Damage Surface Spalling

Distance (ft): 200.6
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 11

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

Value Percent: Continuous Index:

Within 8" of Joint: NO



Code: CM

Description: Crack Multiple

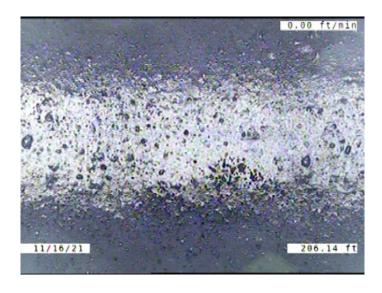
Distance (ft): 202.6
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 12
Clock To: 1

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

Within 8" of Joint:

Remarks:

NO



Code: MCU

Description: Miscellaneous Camera Underwater

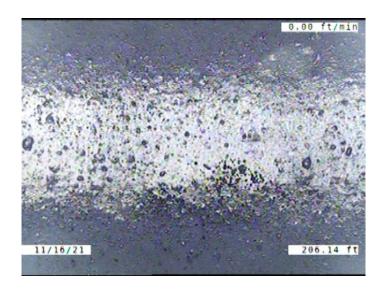
Distance (ft): 206.1
Structural Grade: 0
O&M Grade: 4

Clock Start/From:

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

Within 8" of Joint: NO

Remarks: Out at 207.5



Code: MWL

Description: Miscellaneous Water Level

Distance (ft): 206.1
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: FM

Description: Fracture Multiple

Distance (ft): 207.1
Structural Grade: 4

O&M Grade: 0

Clock Start/From: 10

Clock To: 2

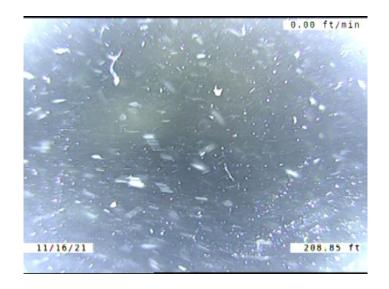
1st Value: 2

2nd Value:

Within 8" of Joint: YES

Value Percent: Continuous Index:

Remarks: Visible through water



Code: MGO

Description: Miscellaneous General Observation

Distance (ft): 208.9
Structural Grade: 0

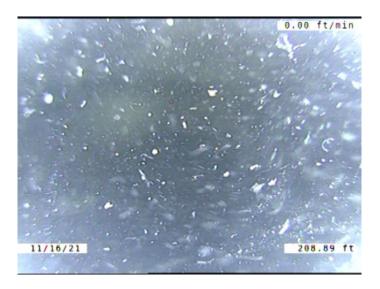
O&M Grade: 0

Clock Start/From:

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

Within 8" of Joint: NO

Remarks: CAMERA UNDER WATER. OPENED
THE MANHOLE COVER AND VERIFIE



Code: AMH
Description: Manhole

Distance (ft): 208.9
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-605-072