Profile/Photo Observation Report



Date: 09/19/2021 Weather: **PACP 7.0** Coding: Pipe Length (ft): 247.1 Owner: **City of Hobart** Pre Clean: **Light Cleaning** P.O.#: YES502259 S. Bucklin PSR: P-503-014-012 Surveyor:

Customer: City of Hobart Clean Date: 09/06/2021 Shape: C

Street: North Virginia Street Flow Control: Not Controlled

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

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

Category: NA

Comment:

Location Details: Direction of Survey: Upstream

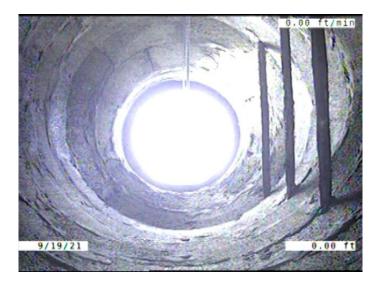
US MH: M-503-012 DS MH: M-503-014 Total Length Surveyed (ft): 247.1

1.92 342Q 211.00 O&M Index: O&M Quick: O&M Rating: 3.15 514B 167.00 Structural Rating: Structural Index: Structural Quick: 2.32 378.00 514B Overall Quick: Overall Rating: Overall Index:

	Position	Code	Observation	Video (sec)	Grade
M-503-	014				
	0.	AMH	Manhole	1	NA
- 11	0.	MWL	Miscellaneous Water Level	66	NA
- 11	√ 1.2	CM(S01)	Crack Multiple	144	S 3
- 11	1.2	DAE(S02)	Deposits Attached Encrustation	156	M 2
- 11	\ <u>9.5</u>	MWLS	Miscellaneous Water Level Sag	253	S 2
- 11	27.3	TFD	Tap Factory Defective	332	M 3
	29.2	TFD	Tap Factory Defective	364	M 3
- 11	30.4	DSF(S03)	Deposits Settled Fine	388	M 2
- 11	47.4	TF	Tap Factory	468	NA
5 III	48.3	CM(F01)	Crack Multiple	499	S 3
Camera Direction	// 48.3	FM(S04)	Fracture Multiple	510	S 4
à 📑	49.4	TFD	Tap Factory Defective	538	M 3
i er	54.4	MWLS	Miscellaneous Water Level Sag	576	S 2
Car	84.0	TFC	Tap Factory Capped	691	NA
	101.7	BSV(S05)	Broken Soil Visible	885	S 5
	104.7	BSV(F05)	Broken Soil Visible	921	S 5
1	108.9	В	Broken	990	S 4
- 11	114.4	TFD	Tap Factory Defective	1050	M 3
	126.3	SSS	Surface Damage Surface Spalling	1159	S 2

	اـ	127.2	MWLS(S06)	Miscellaneous Water Level Sag	1179	S 2
Ш		133.3	FM(F04)	Fracture Multiple	1290	S 4
Ш	$\parallel \parallel$	133.6	CM(S07)	Crack Multiple	1299	S 3
Ш	$\parallel \parallel$	138.2	MWLS(F06)	Miscellaneous Water Level Sag	1327	S 2
Н	-////	147.1	JOM	Joint Offset Medium	1394	S 3
Н	-1111	153.1	MWLS(S08)	Miscellaneous Water Level Sag	1438	S 2
Н	-/	156.6	TFC	Tap Factory Capped	1468	NA
Н	-/ 	157.2	JOM	Joint Offset Medium	1490	S 3
Ш	$\parallel \parallel$	170.9	MWLS(F08)	Miscellaneous Water Level Sag	1569	S 2
Ш	Ш	181.4	TBI	Tap Break-in Intruding	1654	M 2
	-////	191.6	JOM	Joint Offset Medium	1710	S 3
		197.9	RFJ	Roots Fine Joint	1761	M 1
	Ш	197.9	FL(S10)	Fracture Longitudinal	1773	S 3
П		200.0	RFJ	Roots Fine Joint	1794	M 1
Ш	$\parallel \parallel$	202.2	RFJ	Roots Fine Joint	1835	M 1
	-111	204.1	FL(F10)	Fracture Longitudinal	1862	S 3
Н	-{	204.1	RFJ	Roots Fine Joint	1890	M 1
Н		204.1	RFJ	Roots Fine Joint	1906	M 1
Ш	Ш	204.1	MWLS(S09)	Miscellaneous Water Level Sag	1920	S 2
Ш		205.8	JOM	Joint Offset Medium	1939	S 3
Н	-!	212.4	RFJ	Roots Fine Joint	1999	M 1
Ш		212.4	RFJ	Roots Fine Joint	2012	M 1
Ш		219.5	MWLS(F09)	Miscellaneous Water Level Sag	2054	S 2
Ш		220.3	RFJ	Roots Fine Joint	2101	M 1
Ш		220.3	RFJ(S10)	Roots Fine Joint	2119	M 1
Н	-	224.2	JOMD	Joint Offset Medium Defective	2158	S 3
	4//	226.5	RFJ(S11)	Roots Fine Joint	2216	M 1
	111	226.5	RFJ(F10)	Roots Fine Joint	2231	M 1
	-1∭	236.0	TFC	Tap Factory Capped	2290	NA
Ш		238.1	TFC	Tap Factory Capped	2325	NA
		240.2	TFC	Tap Factory Capped	2357	NA
	∭	242.2	TFC	Tap Factory Capped	2391	NA
Ш	_	242.6	CM(S07)	Crack Multiple	2405	S 3
Н	-/∭	244.1	TFC	Tap Factory Capped	2421	NA
		244.8	DAE(F02)	Deposits Attached Encrustation	2436	M 2
	_#//	244.8	DSF(F03)	Deposits Settled Fine	2444	M 2
	-₩/	244.8	RFJ(F11)	Roots Fine Joint	2458	M 1
	<u>-</u> V	247.1	AMH	Manhole	2588	NA
-						

M(503)012



Code: AMH Description: Manhole

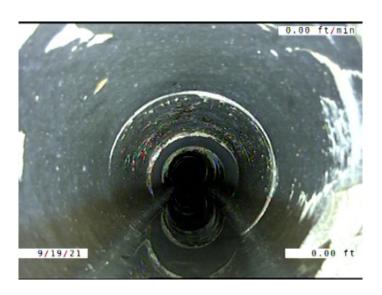
Distance (ft): .0 Structural Grade: 0 0 O&M Grade:

Clock Start/From:

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

Within 8" of Joint: NO

Remarks: M-503-014



MWL Code:

Description: **Miscellaneous Water Level**

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

Clock Start/From:

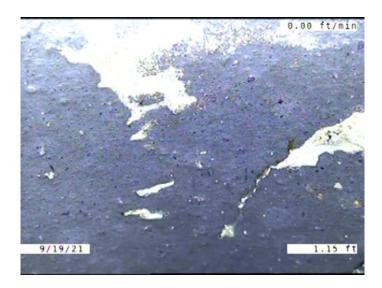
Clock To: 1st Value: 2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint: NO

Remarks:

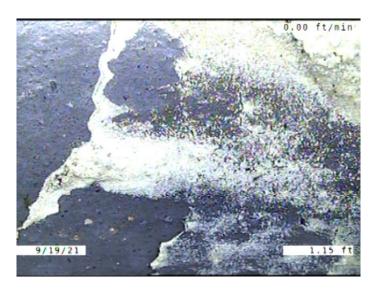


Code: CM
Description: Crack Multiple

Distance (ft): 1.2
Structural Grade: 3
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: DAE

Description: Deposits Attached Encrustation

Distance (ft): 1.2
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 7
Clock To: 5
1st Value:
2nd Value:

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

Remarks:



Code: MWLS

Description: Miscellaneous Water Level Sag

Distance (ft): 9.5
Structural Grade: 2
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint:

Remarks:

NO



Code: **TFD**

Description: Tap Factory Defective

Distance (ft): 27.3
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. LEAKING AROUND THE CAP



Code: **TFD**

Description: Tap Factory Defective

Distance (ft): 29.2
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: CAPPED. LEAKING AROUND THE CAP



Code: DSF

Description: Deposits Settled Fine

Distance (ft): 30.4
Structural Grade: 0

O&M Grade: 2

Clock Start/From: 5

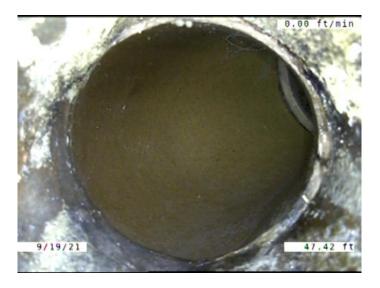
Clock To: 7

1st Value:

2nd Value:

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

Remarks: TP AND RAGS TOO



Code: TF Description: **Tap Factory**

Distance (ft): 47.4 Structural Grade: 0 O&M Grade: 0 Clock Start/From: 1

Clock To:

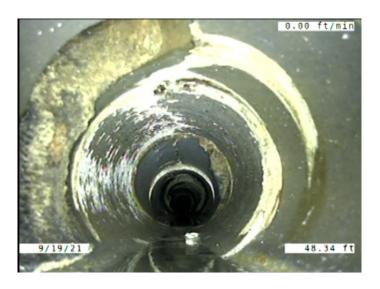
1st Value: 4.000

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



CM Code:

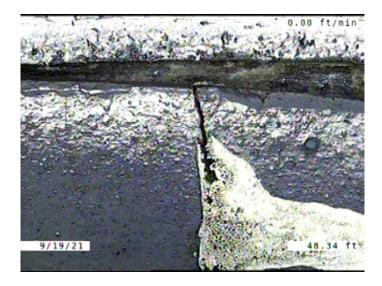
Description: **Crack Multiple**

Distance (ft): 48.3 Structural Grade: 3 O&M Grade: 0 Clock Start/From: 12 Clock To: 12 1st Value: 2nd Value:

Continuous Index: F01 Within 8" of Joint: YES

Remarks:

Value Percent:



Code: FM

Description: Fracture Multiple

Distance (ft): 48.3
Structural Grade: 4

O&M Grade: 0

Clock Start/From: 12

Clock To: 12

1st Value: 2nd Value: Value Percent:

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

Remarks:



Code: **TFD**

Description: Tap Factory Defective

Distance (ft): 49.4
Structural Grade: 0

O&M Grade: 3

Clock Start/From: 11

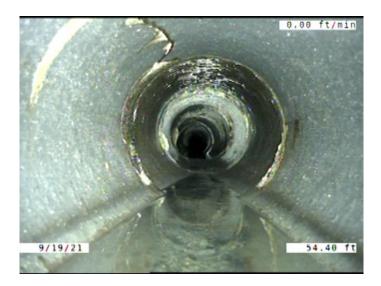
Clock To:

1st Value: **4.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: LOOKS TO BE CAPPED



Code: MWLS

Description: Miscellaneous Water Level Sag

Distance (ft): 54.4
Structural Grade: 2
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

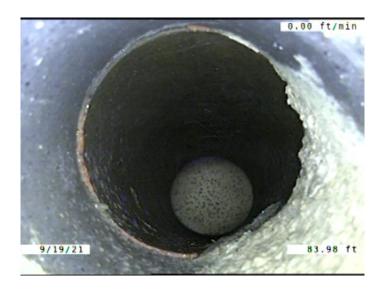
Value Percent: 5.000

Continuous Index:

Within 8" of Joint:

Remarks:

NO



Code: TFC

Description: Tap Factory Capped

Distance (ft): 84.0
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:



Code: **BSV**

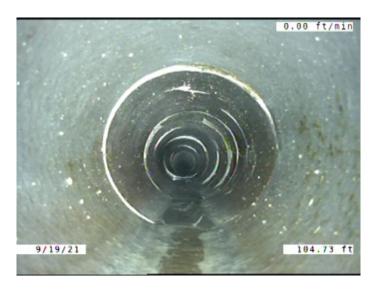
Description: **Broken Soil Visible**

Distance (ft): 101.7 Structural Grade: 5 O&M Grade: 0 Clock Start/From: 11 Clock To: 4

1st Value: 2nd Value: Value Percent:

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

Remarks:



BSV Code:

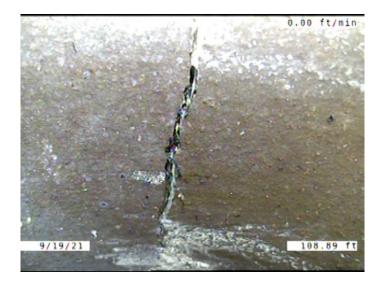
Description: **Broken Soil Visible**

Distance (ft): 104.7 Structural Grade: 5 O&M Grade: 0 Clock Start/From: 11 Clock To: 4 1st Value:

2nd Value: Value Percent: Continuous Index:

F05 Within 8" of Joint: YES

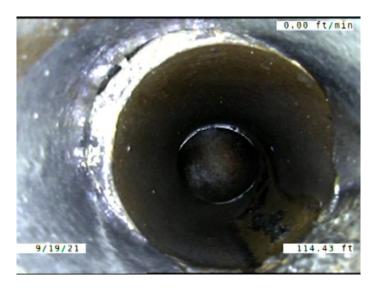
Remarks:



Code: B
Description: Broken

Distance (ft): 108.9 Structural Grade: 4 O&M Grade: 0 Clock Start/From: 11 Clock To: 3 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: YES

Remarks:



Code: **TFD**

Description: Tap Factory Defective

Distance (ft): 114.4
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: CONSTANTLY RUNNING WATER.
CONNECTION TO THE MAIN IS LEAKI



Code: SSS

Description: **Surface Damage Surface Spalling**

Distance (ft): 126.3 Structural Grade: 2 O&M Grade: 0 Clock Start/From: 4 7

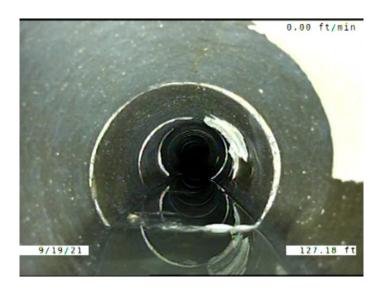
Clock To: 1st Value: 2nd Value: Value Percent:

Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

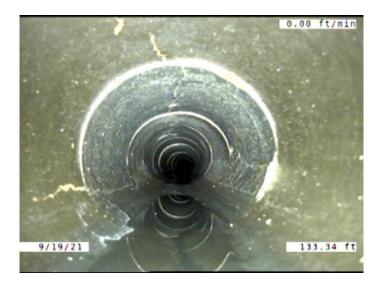
Distance (ft): 127.2 Structural Grade: 2 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 10.000 Continuous Index: **S06** Within 8" of Joint: NO

Remarks:



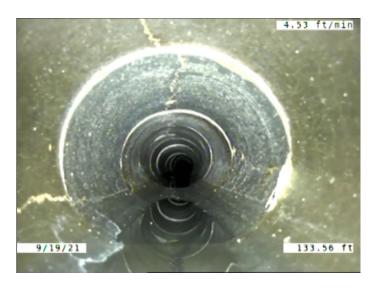
Code: FM
Description: Fracture Multiple

Distance (ft): 133.3
Structural Grade: 4
O&M Grade: 0
Clock Start/From: 12
Clock To: 12

1st Value: 2nd Value: Value Percent:

Continuous Index: F04
Within 8" of Joint: YES

Remarks:



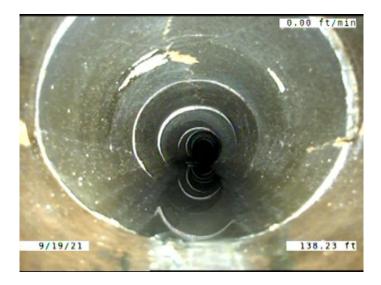
Code: CM

Description: Crack Multiple

Distance (ft): 133.6
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 7
Clock To: 5
1st Value:
2nd Value:
Value Percent:

Continuous Index: **S07** Within 8" of Joint: **NO**

Remarks:



Code: MWLS

Description: Miscellaneous Water Level Sag

Distance (ft): 138.2
Structural Grade: 2
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 10.000
Continuous Index: F06
Within 8" of Joint: NO

Remarks:



Code: **JOM**

Description: Joint Offset Medium

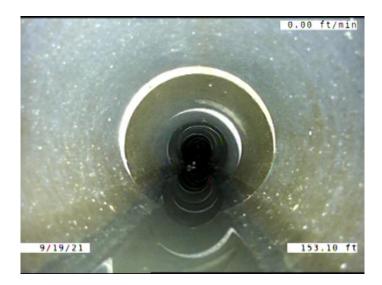
Distance (ft): 147.1
Structural Grade: 3
O&M Grade: 0

Clock Start/From:

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

Within 8" of Joint: NO

Remarks:



Code: MWLS

Description: Miscellaneous Water Level Sag

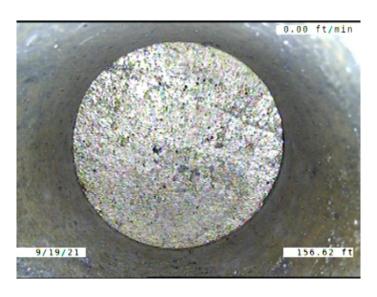
Distance (ft): 153.1
Structural Grade: 2
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 5.000
Continuous Index: S08
Within 8" of Joint: NO

Remarks:



Code: TFC

Description: Tap Factory Capped

Distance (ft): 156.6
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 1

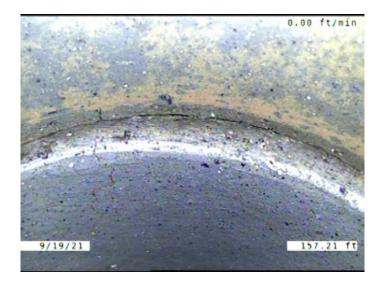
Clock To:

1st Value: **4.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: JOM

Description: **Joint Offset Medium**

Distance (ft): 157.2 Structural Grade: 3 0 O&M Grade:

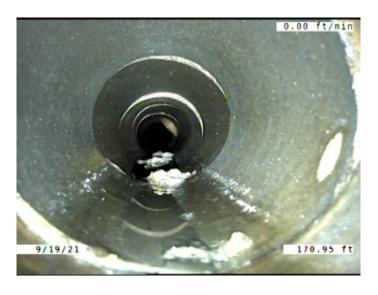
Clock Start/From:

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

Within 8" of Joint:

Remarks:

NO



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

Distance (ft): 170.9 Structural Grade: 2 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 5.000 Continuous Index: F08 Within 8" of Joint: NO

Remarks:



Code: **TBI**

Description: Tap Break-in Intruding

Distance (ft): 181.4
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 2

Clock To:

 1st Value:
 4.000

 2nd Value:
 2.000

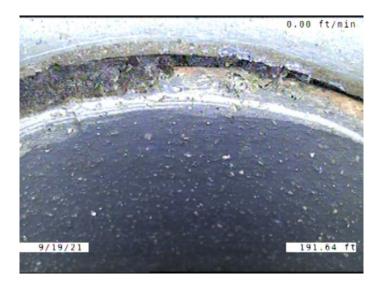
Value Percent:

Continuous Index:

Within 8" of Joint:

Remarks:

NO



Code: **JOM**

Description: Joint Offset Medium

Distance (ft): 191.6
Structural Grade: 3
O&M Grade: 0

Clock Start/From:

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

Within 8" of Joint: NO

Remarks:



Code: RFJ

Description: **Roots Fine Joint**

Distance (ft): 197.9 Structural Grade: 0 O&M Grade: 1 Clock Start/From: 10 Clock To: 11

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

Within 8" of Joint:

Remarks:

YES



Code: FL

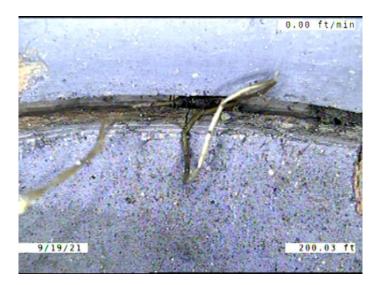
Description: **Fracture Longitudinal**

Distance (ft): 197.9 Structural Grade: 3 O&M Grade: 0 Clock Start/From: 12

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

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

Remarks:



Code: RFJ

Description: Roots Fine Joint

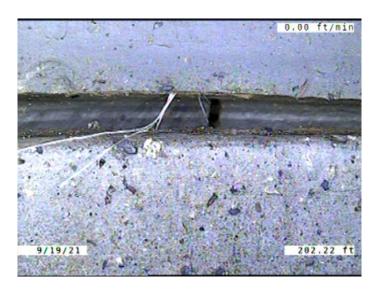
Distance (ft): 200.0
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 11

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

Within 8" of Joint:

Remarks:

YES



Code: RFJ

Description: Roots Fine Joint

Distance (ft): 202.2

Structural Grade: 0

O&M Grade: 1

Clock Start/From: 8

Clock To: 9

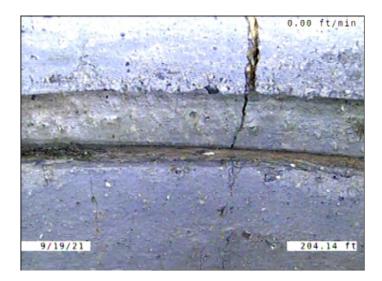
1st Value: 2

2nd Value: Value Percent: Continuous Index:

Remarks:

Within 8" of Joint:

YES



Code: FL

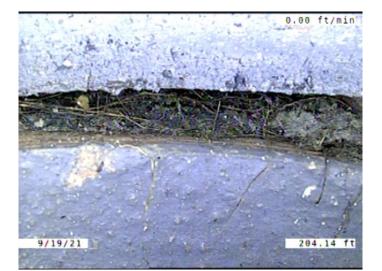
Description: Fracture Longitudinal

Distance (ft): 204.1
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 12

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

Continuous Index: F10
Within 8" of Joint: NO

Remarks:



Code: RFJ

Description: Roots Fine Joint

Distance (ft): 204.1
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 7
Clock To: 11
1st Value: 2nd Value:

Continuous Index: Within 8" of Joint:

Value Percent:

thin 8" of Joint: YES

Remarks:



Code: RFJ

Description: **Roots Fine Joint**

Distance (ft): 204.1 Structural Grade: 0 O&M Grade: 1 Clock Start/From: 2

Clock To: 5 1st Value:

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

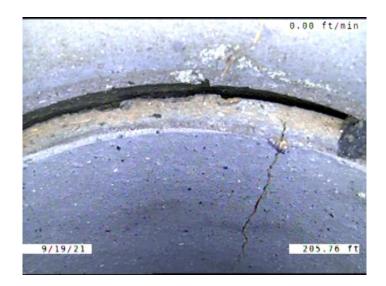
Distance (ft): 204.1 Structural Grade: 2 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 10.000 Continuous Index: **S**09 Within 8" of Joint: NO

Remarks:



Code: **JOM**

Description: Joint Offset Medium

Distance (ft): 205.8
Structural Grade: 3
O&M Grade: 0

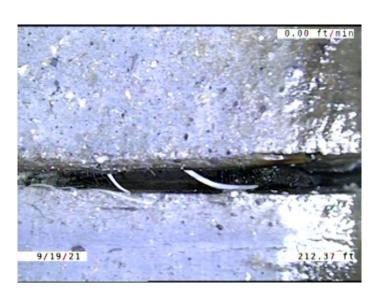
Clock Start/From:

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

Continuous Index:

Within 8" of Joint: Remarks:

NO



Code: RFJ

Description: Roots Fine Joint

Distance (ft): 212.4
Structural Grade: 0

O&M Grade: 1

Clock Start/From: 8

Clock To: 9

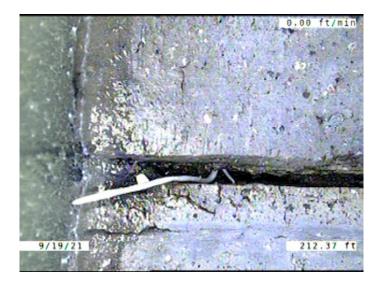
1st Value: 2

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: RFJ

Description: **Roots Fine Joint**

Distance (ft): 212.4 Structural Grade: 0 O&M Grade: 1 Clock Start/From:

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

Clock Start/From:

Clock To: 1st Value: 2nd Value:

10.000 Value Percent: Continuous Index: F09 Within 8" of Joint: NO

Remarks:



Code: RFJ Description: **Roots Fine Joint**

Distance (ft): 220.3 Structural Grade: 0 O&M Grade: 1 Clock Start/From: 2 Clock To: 4 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: YES

Remarks:



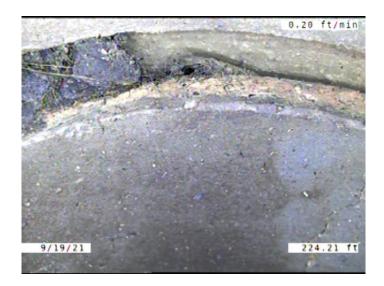
RFJ Code:

Description: **Roots Fine Joint**

Distance (ft): 220.3 Structural Grade: 0 O&M Grade: 1 Clock Start/From: 8 Clock To: 11 1st Value: 2nd Value: Value Percent: Continuous Index: **S10**

Remarks:

Within 8" of Joint: YES



Code: JOMD

Description: Joint Offset Medium Defective

Distance (ft): 224.2
Structural Grade: 3
O&M Grade: 0

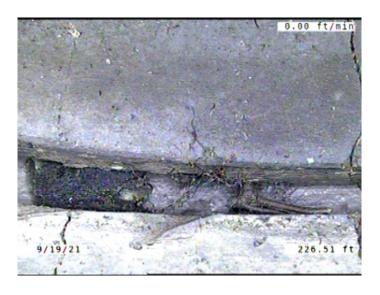
Clock Start/From:

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

Within 8" of Joint:

Remarks:

NO



Code: RFJ

Description: Roots Fine Joint

Distance (ft): 226.5
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 8
Clock To: 4
1st Value:
2nd Value:
Value Percent:

Continuous Index: **S11** Within 8" of Joint: **YES**

Remarks:

n 8 or Joint:



Code: RFJ

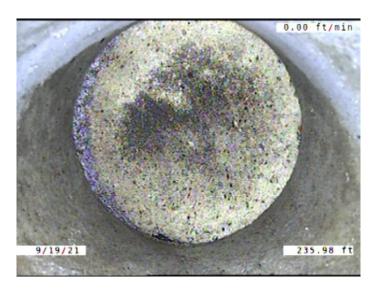
Description: Roots Fine Joint

Distance (ft): 226.5
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 8
Clock To: 11

1st Value: 2nd Value: Value Percent:

Continuous Index: F10
Within 8" of Joint: YES

Remarks:



Code: TFC

Description: Tap Factory Capped

Distance (ft): 236.0
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 1

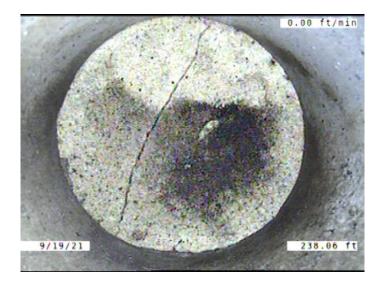
Clock To:

1st Value: **4.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: TFC

Description: Tap Factory Capped

Distance (ft): 238.1
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 11

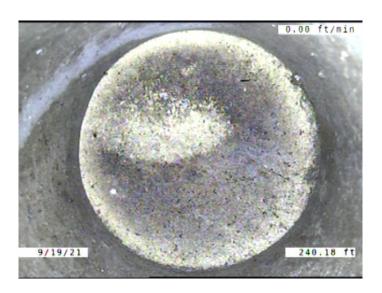
Clock To:

1st Value: **4.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: CAP CRACKED



Code: **TFC**

Description: Tap Factory Capped

Distance (ft): 240.2
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 1

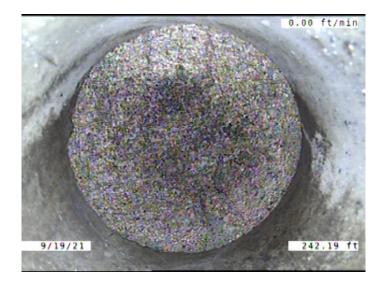
Clock To:

1st Value: **4.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: TFC

Description: Tap Factory Capped

Distance (ft): 242.2
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



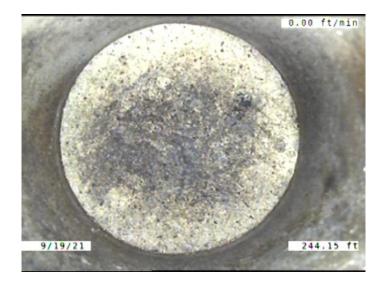
Code: CM

Description: Crack Multiple

Distance (ft): 242.6
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 7
Clock To: 5
1st Value:
2nd Value:
Value Percent:

Continuous Index: **S07** Within 8" of Joint: **NO**

Remarks:



Code: TFC

Description: **Tap Factory Capped**

Distance (ft): 244.1 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:

Remarks:

YES



Code: DAE

Description: **Deposits Attached Encrustation**

Distance (ft): 244.8 Structural Grade: 0 O&M Grade: 2 Clock Start/From: 7 5 Clock To: 1st Value:

2nd Value:

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

Remarks:



Code: **DSF**

Description: Deposits Settled Fine

Distance (ft): 244.8
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: TP AND RAGS TOO



Code: RFJ

Description: Roots Fine Joint

Distance (ft):

Structural Grade:

O&M Grade:

Clock Start/From:

Clock To:

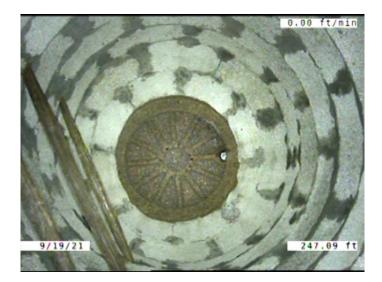
1st Value:

2nd Value:

Value Percent:

Continuous Index: F11
Within 8" of Joint: YES

Remarks:



Code: AMH
Description: Manhole

Distance (ft): 247.1
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-503-012