## **Profile/Photo Observation Report**



Date: 09/05/2021 Weather: **PACP 7.0** Coding: Pipe Length (ft): 201.0 Owner: **City of Hobart** Pre Clean: **Heavy Cleaning** P.O.#: YES502259 S. Bucklin PSR: P-504-119-118 Surveyor:

Customer: City of Hobart Clean Date: 09/03/2021 Shape: C

Street: 41st Avenue Flow Control: Not Controlled

City: Hobart, IN Year Renewed: Location: Alley 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-504-118 DS MH: M-504-119 Total Length Surveyed (ft): 201.0

2.51 **3K2H** 291.00 O&M Index: O&M Quick: O&M Rating: 3.38 88.00 Structural Quick: Structural Rating: Structural Index: 2.67 379.00 Overall Quick: Overall Rating: Overall Index:

	Position	Code	Observation	Video (sec)	Grade
504-112	8				
	.0	АМН	Manhole	1	NA
H-//\	.0	MWL	Miscellaneous Water Level	54	NA
<del></del>	.0	DSF(S02)	Deposits Settled Fine	67	M 2
	4.3	FM(S03)	Fracture Multiple	136	S 4
	7.3	FM(F03)	Fracture Multiple	199	S 4
	15.8	CM	Crack Multiple	241	S 3
	20.0	OBN	Obstruction Construction Debris	264	M 2
	23.5	FM	Fracture Multiple	298	S 4
	23.5	RFB	Roots Fine Barrel	301	M 2
	30.0	RFJ	Roots Fine Joint	402	M 1
	40.9	SSS	Surface Damage Surface Spalling	478	S 2
	41.6	TFC	Tap Factory Capped	495	NA
+	41.7	TBI	Tap Break-in Intruding	513	M 2
	43.7	TFC	Tap Factory Capped	544	NA
	48.8	RMJ	Roots Medium Joint	601	M 3
	49.3	В	Broken	659	S 4
	49.3	RML	Roots Medium Lateral	672	M 3
	49.9	TBD	Tap Break-in/Hammer Defective	698	M 3
	51.0	RFJ	Roots Fine Joint	749	M 1

<b> </b>    \ 51.0	RFJ	Roots Fine Joint	767	M 1
57.4	RFJ	Roots Fine Joint	826	M 1
59.3	RMJ	Roots Medium Joint	865	M 3
61.5	RMJ	Roots Medium Joint	907	M 3
63.9	RMJ(S05)	Roots Medium Joint	955	M 3
63.9	RMJ(S04)	Roots Medium Joint	975	M 3
76.2	FM	Fracture Multiple	0	S 4
87.4	RMJ	Roots Medium Joint	0	M 3
91.2	SSS	Surface Damage Surface Spalling	0	S 2
91.2	TFD	Tap Factory Defective	33	M 3
92.2	TBI	Tap Break-in Intruding	43	M 2
93.1	TFC	Tap Factory Capped	107	NA
96.7	FM	Fracture Multiple	180	S 4
97.1	TBI	Tap Break-in Intruding	203	M 2
97.1	RML	Roots Medium Lateral	240	M 3
107.2	FC	Fracture Circumferential	350	S 2
107.2	FM	Fracture Multiple	388	S 4
115.6	FM	Fracture Multiple	489	S 4
124.0	CM	Crack Multiple	564	S 3
130.0	FH4(S06)	Fracture Longitudinal Hinge, 4	693	S 4
136.5	MWLS	Miscellaneous Water Level Sag	736	S 2
141.3	TFC	Tap Factory Capped	781	NA
143.6	TFC	Tap Factory Capped	812	NA
147.9	SSC	Surface Spalling of Damage Coating	873	S 1
148.2	ТВІ	Tap Break-in Intruding	893	M 2
148.2	FH4(F06)	Fracture Longitudinal Hinge, 4	907	S 4
148.2	FM(S07)	Fracture Multiple	914	S 4
155.9	В	Broken	966	S 4
156.1	TBI	Tap Break-in Intruding	996	M 2
169.6	FM(F07)	Fracture Multiple	1073	S 4
/174.4	CM	Crack Multiple	1124	S 3
//184.9	FM	Fracture Multiple	1247	S 4
185.8	ТВІ	Tap Break-in Intruding	1269	M 2
192.3	TFC	Tap Factory Capped	1321	NA
193.8	TFD	Tap Factory Defective	1369	M 3
196.0	SSS	Surface Damage Surface Spalling	1453	S 2
196.2	TBI	Tap Break-in Intruding	1473	M 2
199.3	RMJ(F05)	Roots Medium Joint	1507	M 3
199.3	RMJ(F04)	Roots Medium Joint	1515	M 3
200.7	DSF(F02)	Deposits Settled Fine	1538	M 2
201.0	AMH	Manhole	1605	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-504-118



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: **DSF** 

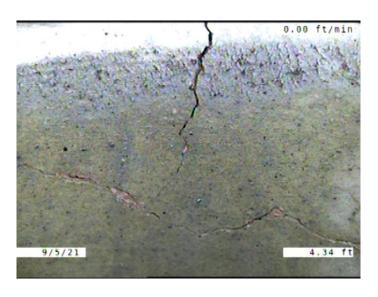
Description: Deposits Settled Fine

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

1st Value: 2nd Value:

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

Remarks:



Code: FM

Description: Fracture Multiple

Distance (ft): 4.3
Structural Grade: 4

O&M Grade: 0

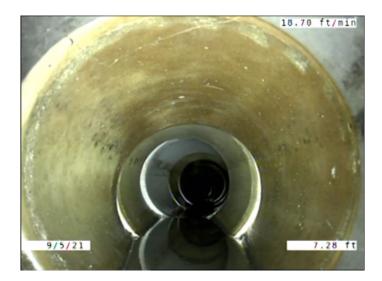
Clock Start/From: 8

Clock To: 4

1st Value:
2nd Value:
Value Percent:

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

Remarks:



Code: FM
Description: Fracture Multiple

Distance (ft): 7.3
Structural Grade: 4

O&M Grade: 0

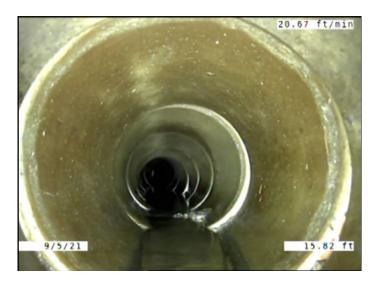
Clock Start/From: 8

Clock To: 4

1st Value:
2nd Value:
Value Percent:

Continuous Index: F03
Within 8" of Joint: YES

Remarks:



Code: CM

Description: Crack Multiple

Distance (ft): 15.8 Structural Grade: 3 O&M Grade: 0 Clock Start/From: 8 Clock To: 4 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: YES

Remarks:



Code: OBN

Description: Obstruction Construction Debris

Distance (ft): 20.0
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 5
Clock To: 6

1st Value: 2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint:

Remarks:

NO



Code: FM

Description: Fracture Multiple

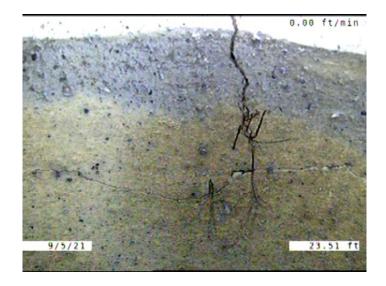
Distance (ft): 23.5
Structural Grade: 4
O&M Grade: 0
Clock Start/From: 11
Clock To: 1
1st Value:
2nd Value:

Continuous Index: Within 8" of Joint:

Value Percent:

ithin 8" of Joint: YES

Remarks:



Code: **RFB** 

Description: **Roots Fine Barrel** 

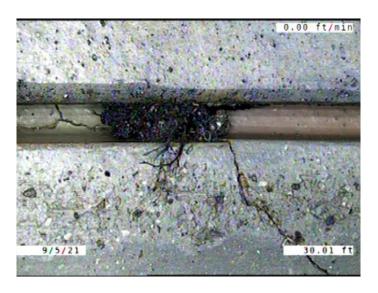
Distance (ft): 23.5 Structural Grade: 0 O&M Grade: 2 Clock Start/From: 12

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

Within 8" of Joint:

Remarks:

NO



Code: RFJ

Description: **Roots Fine Joint** 

Distance (ft): 30.0 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: SSS

Description: **Surface Damage Surface Spalling** 

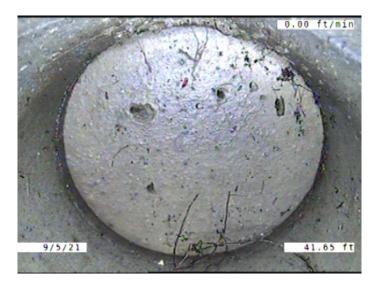
Distance (ft): 40.9 Structural Grade: 2 O&M Grade: 0 Clock Start/From: 9 Clock To: 11

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

Within 8" of Joint:

Remarks:

NO



TFC Code:

Description: **Tap Factory Capped** 

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

Clock To:

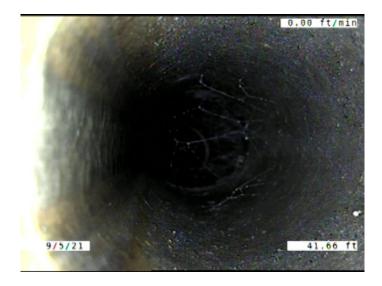
1st Value: 6.000

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: TBI

Description: Tap Break-in Intruding

Distance (ft): 41.7
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 10

Clock To:

 1st Value:
 6.000

 2nd Value:
 1.000

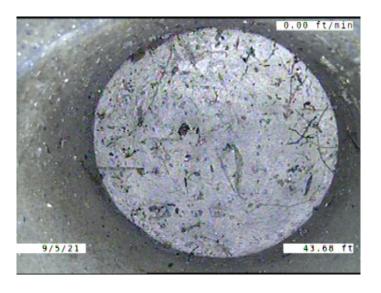
Value Percent:

Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: TFC

Description: Tap Factory Capped

Distance (ft): 43.7
Structural Grade: 0

O&M Grade: 0

Clock Start/From: 1

Clock To:

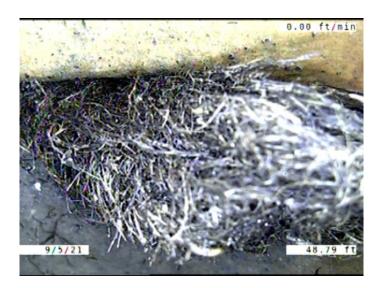
1st Value: **6.000** 

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:

013011111



Code: RMJ

Description: Roots Medium Joint

Distance (ft): 48.8
Structural Grade: 0

O&M Grade: 3

Clock Start/From: 3

Clock To: 5

1st Value:

2nd Value: Value Percent:

Percent: 5.000

YES

Continuous Index:

Within 8" of Joint:

Remarks:

Code: B
Description: Broken

Distance (ft): 49.3 Structural Grade: 4 O&M Grade: 0 Clock Start/From: 1 3 Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: YES

Remarks:

.... 0 01 30....



Code: RML

Description: Roots Medium Lateral

Distance (ft): 49.3
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 1
Clock To: 3

1st Value: 2nd Value:

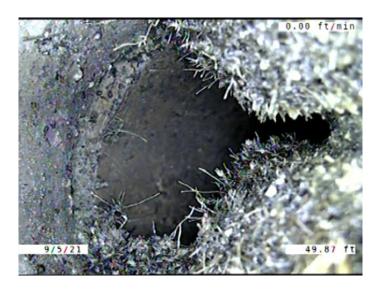
Value Percent: 10.000

Continuous Index:

Within 8" of Joint:

Remarks:

NO



Code: **TBD** 

Description: Tap Break-in/Hammer Defective

Distance (ft): 49.9
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 2

Clock To:

1st Value: **6.000** 

2nd Value:
Value Percent:

Continuous Index:

Within 8" of Joint: YES

Remarks: **Defective** 



Code: RFJ

Description: Roots Fine Joint

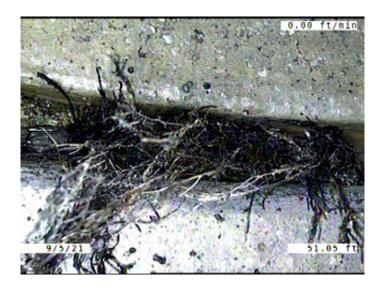
Distance (ft): 51.0
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 9
Clock To: 10

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

Within 8" of Joint:

Remarks:

YES



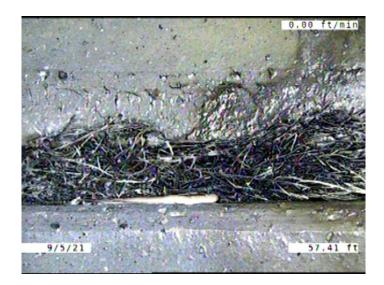
Code: RFJ

Description: Roots Fine Joint

Distance (ft): 51.0
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 4
Clock To: 5
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: RFJ

Description: **Roots Fine Joint** 

Distance (ft): 57.4 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: YES

Remarks:



Code: RMJ

Description: **Roots Medium Joint** 

Distance (ft): 59.3 Structural Grade: 0 O&M Grade: 3 Clock Start/From: 2 5 Clock To: 1st Value:

2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: RMJ

Description: Roots Medium Joint

Distance (ft): 61.5
Structural Grade: 0

O&M Grade: 3

Clock Start/From: 9

Clock To: 10

1st Value: 2nd Value:

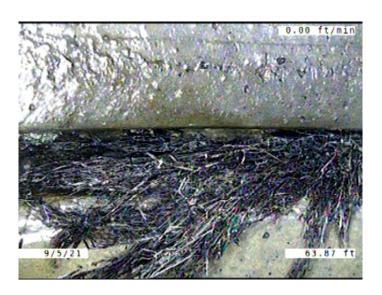
Value Percent: 5.000

Continuous Index:

Within 8" of Joint:

YES

Remarks:



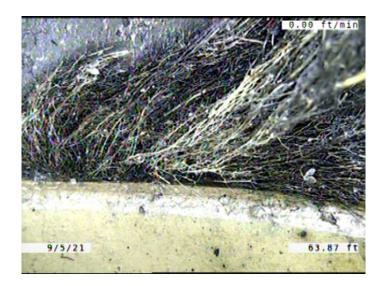
Code: RMJ

Description: Roots Medium Joint

Distance (ft): 63.9
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 3
Clock To: 5
1st Value:
2nd Value:

Value Percent: 5.000
Continuous Index: S05
Within 8" of Joint: YES

Remarks:



Code: RMJ

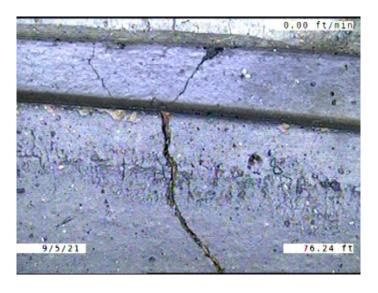
Description: Roots Medium Joint

Distance (ft): 63.9
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 8
Clock To: 10

1st Value: 2nd Value:

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

Remarks:



Code: FM

Description: Fracture Multiple

Distance (ft): 76.2
Structural Grade: 4

O&M Grade: 0

Clock Start/From: 12

Clock To: 3

1st Value:

2nd Value:

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

thin 8" of Joint: YES

Remarks:



Code: RMJ

Description: Roots Medium Joint

Distance (ft): 87.4
Structural Grade: 0

O&M Grade: 3

Clock Start/From: 7

Clock To: 11

1st Value:

2nd Value:

Value Percent: 20.000

Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: SSS

Description: Surface Damage Surface Spalling

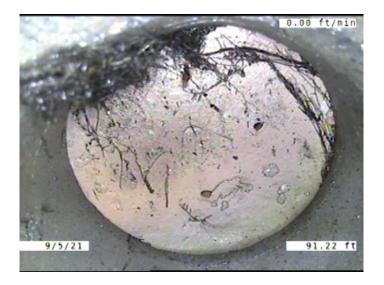
Distance (ft): 91.2
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 8
Clock To: 10
1st Value:
2nd Value:

Within 8" of Joint:

Remarks:

Value Percent: Continuous Index:

YES



Code: **TFD** 

Description: Tap Factory Defective

Distance (ft): 91.2
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 11

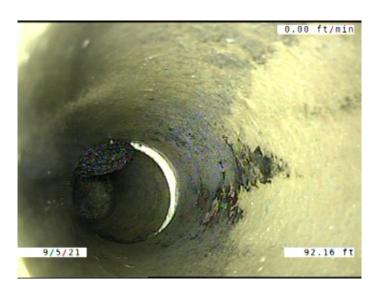
Clock To:

1st Value: **6.000** 

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: CAPPED



Code: TBI

Description: Tap Break-in Intruding

Distance (ft): 92.2
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 10

Clock To:

 1st Value:
 6.000

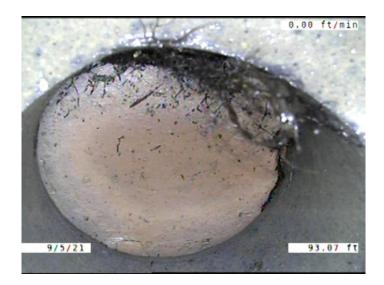
 2nd Value:
 2.000

Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:

-



Code: TFC

Description: **Tap Factory Capped** 

Distance (ft): 93.1 Structural Grade: 0 O&M Grade: 0 Clock Start/From: 1

Clock To:

1st Value: 6.000

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: **ROOTS GROWING AROUND THE CAP** 



Code: FΜ

Description: **Fracture Multiple** 

Distance (ft): 96.7 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

Remarks:



Code: TBI

Description: Tap Break-in Intruding

Distance (ft): 97.1
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 2

Clock To:

 1st Value:
 6.000

 2nd Value:
 1.000

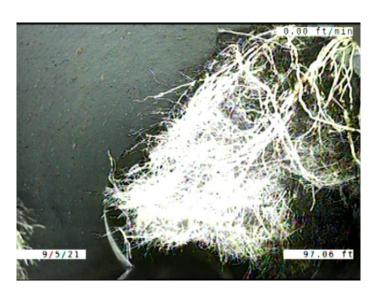
Value Percent:

Continuous Index:

Within 8" of Joint: YES

Remarks: LOOKS TO BE 100% PLUGGED WITH

ROOTS



Code: RML

Description: Roots Medium Lateral

Distance (ft): 97.1
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 1
Clock To: 5
1st Value:

2nd Value: Value Percent:

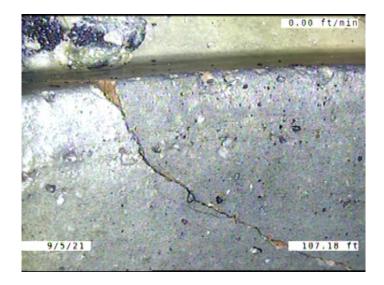
Continuous Index:

Within 8" of Joint:

Remarks:

NO

40.000



Code: FC

Description: Fracture Circumferential

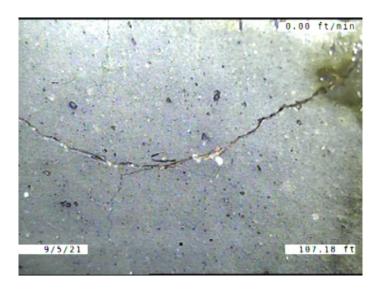
Distance (ft): 107.2
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 8
Clock To: 11

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

Within 8" of Joint:

Remarks:

YES



Code: FM

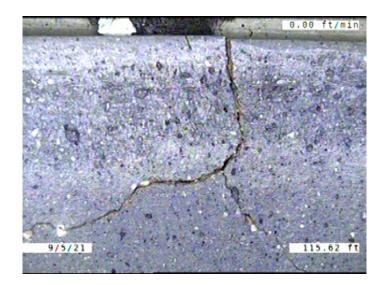
Description: Fracture Multiple

Distance (ft): 107.2
Structural Grade: 4
O&M Grade: 0
Clock Start/From: 1
Clock To: 4
1st Value:
2nd Value:

Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:



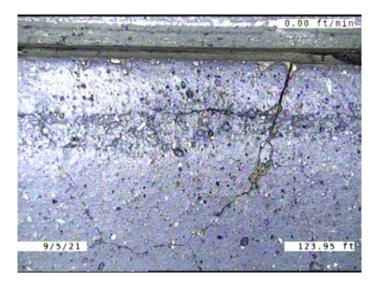
Code: FM
Description: Fracture Multiple

Distance (ft): 115.6
Structural Grade: 4
O&M Grade: 0
Clock Start/From: 9
Clock To: 3
1st Value:
2nd Value:

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

Within 8" of Joint: YES

Remarks:



Code: CM

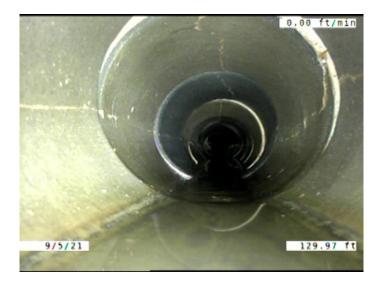
Description: Crack Multiple

YES

Distance (ft): 124.0
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 10
Clock To: 12
1st Value:
2nd Value:
Value Percent:

Continuous Index: Within 8" of Joint:

Remarks:



Code: FH4

Description: Fracture Longitudinal Hinge, 4

Distance (ft): 130.0
Structural Grade: 4

O&M Grade: 0

Clock Start/From: 12

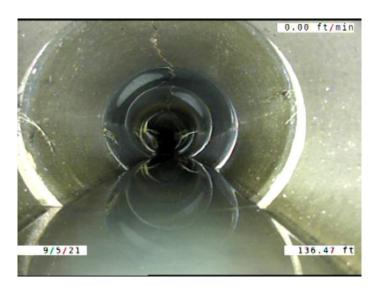
Clock To: 12

Clock To: 1st Value: 2nd Value:

Value Percent:

Continuous Index: S06
Within 8" of Joint: YES

Remarks:



Code: MWLS

Description: Miscellaneous Water Level Sag

Distance (ft): 136.5
Structural Grade: 2
O&M Grade: 0

Clock Start/From:

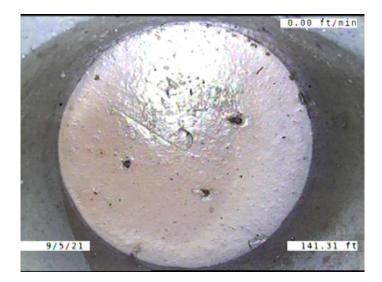
Clock To: 1st Value: 2nd Value:

Value Percent: 10.000

Continuous Index:

Within 8" of Joint: NO

Remarks:



Code: TFC

Description: Tap Factory Capped

Distance (ft): 141.3
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 11

Clock To:

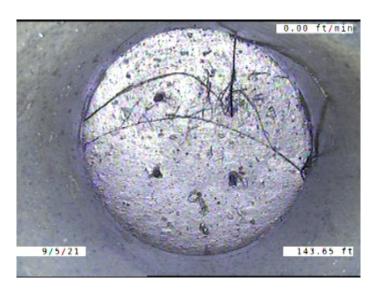
1st Value: **6.000** 

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: **TFC** 

Description: Tap Factory Capped

Distance (ft): 143.6
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 1

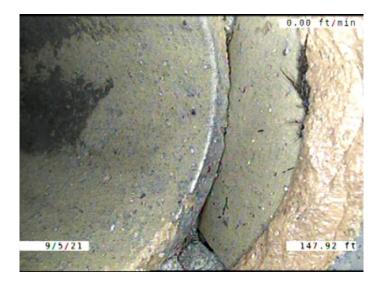
Clock To:

1st Value: **6.000** 

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: SSC

Description: Surface Spalling of Damage Coating

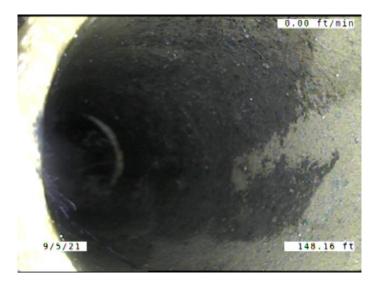
Distance (ft): 147.9
Structural Grade: 1
O&M Grade: 0
Clock Start/From: 9
Clock To: 11

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

Within 8" of Joint:

Remarks:

NO



Code: TBI

Description: Tap Break-in Intruding

Distance (ft): 148.2
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 10

Clock To:

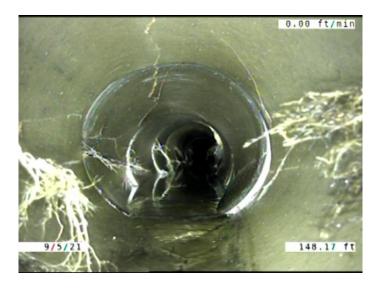
 1st Value:
 6.000

 2nd Value:
 1.000

Value Percent: Continuous Index:

Within 8" of Joint: NO

Remarks:



Code: FH4

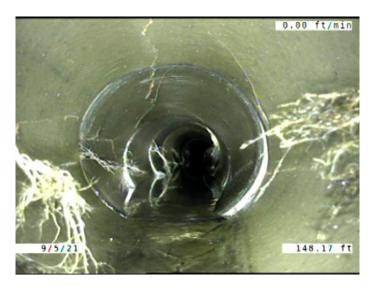
Description: Fracture Longitudinal Hinge, 4

Distance (ft): 148.2
Structural Grade: 4
O&M Grade: 0
Clock Start/From: 12
Clock To: 12

1st Value: 2nd Value: Value Percent:

Continuous Index: F06
Within 8" of Joint: YES

Remarks:



Code: FM

Description: Fracture Multiple

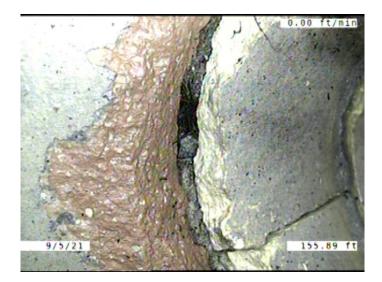
Distance (ft): 148.2
Structural Grade: 4
O&M Grade: 0
Clock Start/From: 12
Clock To: 12

1st Value: 2nd Value: Value Percent:

Continuous Index: **S07** Within 8" of Joint: **YES** 

Remarks:

marks



Code: B
Description: Broken

Distance (ft): 155.9

Structural Grade: 4

O&M Grade: 0

Clock Start/From: 1

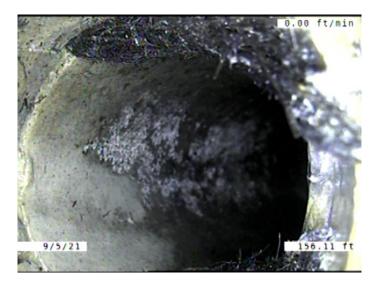
Clock To: 2

1st Value: 2

2nd Value: Value Percent: Continuous Index:

Remarks:

Within 8" of Joint:



Code: TBI

Description: Tap Break-in Intruding

6.000

1.000

YES

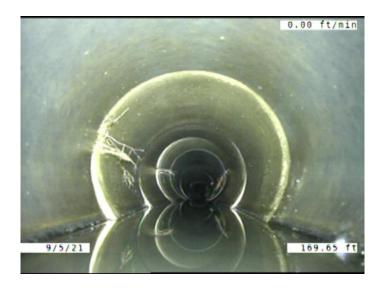
Distance (ft): 156.1
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 2
Clock To:

1st Value: 2nd Value:

Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: **FM** 

Description: Fracture Multiple

Distance (ft): 169.6
Structural Grade: 4

O&M Grade: 0

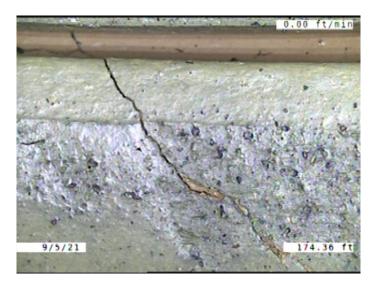
Clock Start/From: 12

Clock To: 12

1st Value: 2nd Value: Value Percent:

Continuous Index: F07
Within 8" of Joint: YES

Remarks:



Code: CM

Description: Crack Multiple

Distance (ft): 174.4
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 12
Clock To: 2
1st Value:
2nd Value:
Value Percent:

Within 8" of Joint: YES

Remarks:

Continuous Index:



Code: FM

Description: Fracture Multiple

Distance (ft): 184.9 Structural Grade: 4

O&M Grade: 0
Clock Start/From: 11
Clock To: 4

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

Within 8" of Joint:

Remarks:

Code:

Description: Tap Break-in Intruding

YES

TBI

Distance (ft): 185.8
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 2

Clock To:

 1st Value:
 6.000

 2nd Value:
 1.000

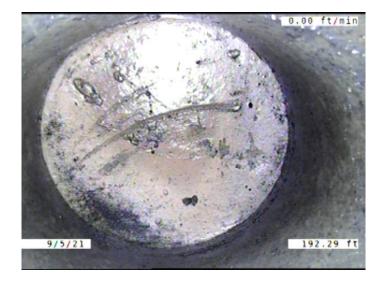
Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:

..... 6 6. 36.





Code: TFC

Description: Tap Factory Capped

Distance (ft): 192.3
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 11

Clock To:

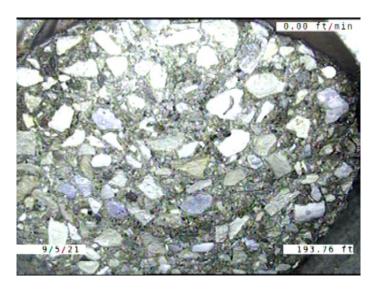
1st Value: **6.000** 

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: **TFD** 

Description: Tap Factory Defective

Distance (ft): 193.8
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 1

Clock To:

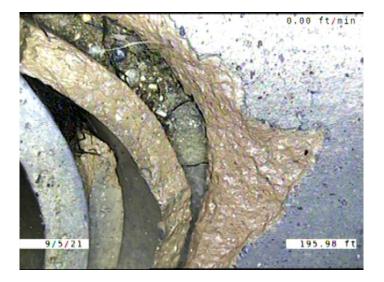
1st Value: **6.000** 

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: LOOKS LIKE SOMEONE TRIED TO

PLUG IT/ CAP IT.



Code: SSS

Description: **Surface Damage Surface Spalling** 

Distance (ft): 196.0 Structural Grade: 2 O&M Grade: 0 Clock Start/From: 9

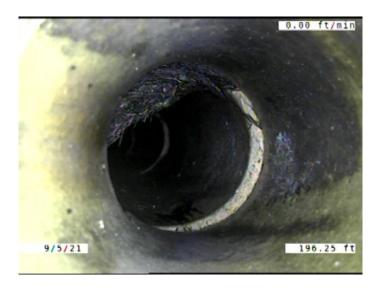
Clock To: 11 1st Value:

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

NO



Code: TBI

Description: **Tap Break-in Intruding** 

Distance (ft): 196.2 Structural Grade: 0 O&M Grade: 2 Clock Start/From: 10

Clock To:

1st Value: 6.000 2nd Value: 1.000

Value Percent: Continuous Index:

Within 8" of Joint: NO

Remarks:



Code: RMJ

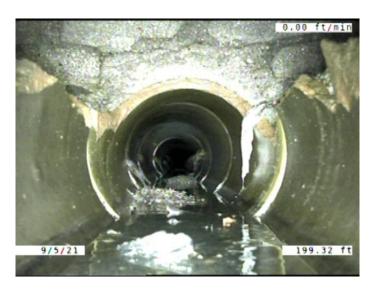
Description: **Roots Medium Joint** 

Distance (ft): 199.3 Structural Grade: 0 3 O&M Grade: Clock Start/From: 3 Clock To: 5

1st Value: 2nd Value:

Value Percent: 5.000 Continuous Index: F05 Within 8" of Joint: YES

Remarks:



Code: RMJ

Description: **Roots Medium Joint** 

Distance (ft): 199.3 Structural Grade: 0 O&M Grade: 3 Clock Start/From: 8 Clock To: 10 1st Value:

2nd Value:

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

Remarks:



Code: **DSF** 

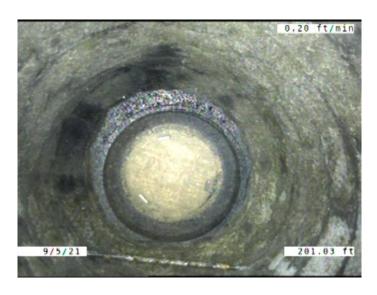
Description: Deposits Settled Fine

Distance (ft): 200.7
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 5
Clock To: 7

1st Value: 2nd Value:

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

Remarks:



Code: AMH
Description: Manhole

Distance (ft): 201.0
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-504-119