Profile/Photo Observation Report



Date: **PACP 7.0** 01/24/2023 Weather: Coding: Pipe Length (ft): 197.0 Owner: Pre Clean: **Heavy Cleaning City of Hobart** P.O.#: P-805-059-058 YES502259 Surveyor: Steven Bucklin PSR:

Customer: City of Hobart Clean Date: 01/20/2023 Shape: C

Street: Devanshire 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:

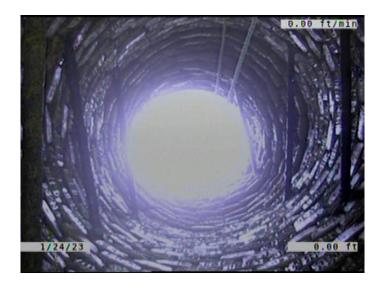
Location Details: Direction of Survey: **Downstream**

US MH: M-805-059 DS MH: M-805-058 Total Length Surveyed (ft): 193.9

1.42 3824 68.00 O&M Index: O&M Quick: O&M Rating: 2.90 514A 122.00 Structural Rating: Structural Index: Structural Quick: 2.11 190.00 514A Overall Index: Overall Quick: Overall Rating:

	Position	Code	Observation	Video (sec)	Grade
M-805	S-059				
	0. //	AMH	Manhole	1	NA
н		MWL	Miscellaneous Water Level	62	NA
	2.5	RMJ	Roots Medium Joint	128	M 3
	4.3	MWLS(S01)	Miscellaneous Water Level Sag	153	S 2
	8.6	JAL	Joint Angular Large	208	S 4
- 11	9.4	TBI	Tap Break-in Intruding	261	M 2
	9.4	RTC	Roots Tap Connection	291	M 2
- 11	12.1	MWLS(F01)	Miscellaneous Water Level Sag	319	S 2
	12.8	RFJ	Roots Fine Joint	371	M 1
8	12.8	ISGT	Intruding Sealing Material Grout	397	M 2
Camera Direction	14.9	RMJ	Roots Medium Joint	458	M 3
i —	17.0	RFJ	Roots Fine Joint	495	M 1
ne r	17.0	CM	Crack Multiple	523	S 3
Ca —	19.1	JAM	Joint Angular Medium	552	S 3
	23.5	SSS	Surface Damage Surface Spalling	590	S 2
- 111	27.2	RFJ(S02)	Roots Fine Joint	658	M 1
↓ -	27.2	CL	Crack Longitudinal	683	S 2
ш	28.4	TF	Tap Factory	713	NA
- 11	28.4	RMC	Roots Medium Connection	736	M 3

		32.8	MWLS(S03)	Miscellaneous Water Level Sag	776	S 2
	W	35.6	JAL	Joint Angular Large	843	S 4
П	₩	35.6	В	Broken	850	S 4
н	₩	35.6	CM	Crack Multiple	860	S 3
ш	W	42.1	MWLS(F03)	Miscellaneous Water Level Sag	903	S 2
		43.2	MWLS(S04)	Miscellaneous Water Level Sag	919	S 2
	ı	44.4	TFD	Tap Factory Defective	953	M 3
		44.4	RML	Roots Medium Lateral	986	M 3
н	ıW	51.8	JAM	Joint Angular Medium	1109	S 3
ш	W	51.8	CM	Crack Multiple	1124	S 3
	W	55.4	JAM	Joint Angular Medium	1203	S 3
		55.5	FM	Fracture Multiple	1210	S 4
	W	61.7	JAL	Joint Angular Large	1304	S 4
	W	61.7	FM	Fracture Multiple	1319	S 4
		64.0	FM	Fracture Multiple	1367	S 4
	. 1	64.0	JAM	Joint Angular Medium	1376	S 3
П		65.8	FM	Fracture Multiple	1427	S 4
Н	N	66.1	MWLS(F04)	Miscellaneous Water Level Sag	1446	S 2
ш	11.	70.1	MWLS(S05)	Miscellaneous Water Level Sag	1469	S 2
Ш	,W	79.8	MWLS(F05)	Miscellaneous Water Level Sag	1510	S 2
н	╢	79.8	LL	Line Left	1517	M 1
	M	86.7	JAL	Joint Angular Large	1590	S 4
	₩	86.7	FM	Fracture Multiple	1607	S 4
	\\	110.7	TFD	Tap Factory Defective	1704	M 3
ш	\mathbb{N}	115.6	JAM	Joint Angular Medium	1776	S 3
	\\\	119.6	DAR	Deposits Attached Ragging	1812	M 2
ш	\mathbb{N}	122.8	TFD	Tap Factory Defective	1843	M 3
ш	1	125.1	TF	Tap Factory	1898	NA
ш	\mathbb{N}	133.8	MWLS(S06)	Miscellaneous Water Level Sag	1944	S 2
ш	\	139.8	MWLS(F06)	Miscellaneous Water Level Sag	1972	S 2
н	۱ /	142.5	CM	Crack Multiple	2062	S 3
ш	\	142.5	SZ	Surface Damage Other	2074	NA
ш	. \	156.4	MWLS(S07)	Miscellaneous Water Level Sag	2134	S 2
	/	165.1	FM	Fracture Multiple	2201	S 4
		167.2	RMJ	Roots Medium Joint	2242	M 3
ш		177.1	MWLS(F07)	Miscellaneous Water Level Sag	2299	S 2
ш	/	180.0	JAM	Joint Angular Medium	2350	S 3
Н	/	184.0	JAM	Joint Angular Medium	2414	S 3
	/	192.0	BVV	Broken Void Visible	2524	S 5
	/	192.0	DR	Deformed Rigid	2549	S 4
		193.5	RFJ(F02)	Roots Fine Joint	2571	M 1
	<u>/</u>	/ 193.9 	AMH	Manhole	2703	NA ———



Code: AMH Description: Manhole

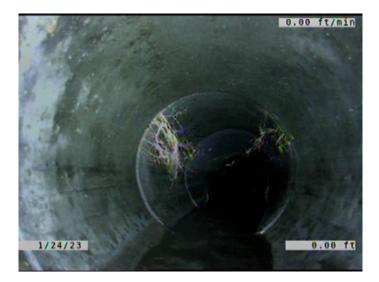
Distance (ft): .0 Structural Grade: 0 O&M Grade:

Clock Start/From:

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

Within 8" of Joint: NO

Remarks: M-805-059



Code: MWL

Description: **Miscellaneous Water Level**

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

Clock To: 1st Value: 2nd Value:

Value Percent: 10.000

Continuous Index:

Within 8" of Joint: NO

Remarks:



Code: RMJ

Description: **Roots Medium Joint**

Distance (ft): 2.5 Structural Grade: 0 3 O&M Grade: Clock Start/From: 10 Clock To: 2

1st Value: 2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint: YES

Remarks:



1/24/23

Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

Distance (ft): 4.3 Structural Grade: 2 O&M Grade: 0

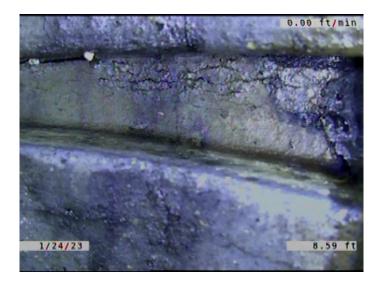
Clock Start/From:

Clock To: 1st Value: 2nd Value:

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

Remarks:

4.26 ft



Code: JAL

Description: Joint Angular Large

Distance (ft): 8.6
Structural Grade: 4
O&M Grade: 0

Clock Start/From:

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

Within 8" of Joint:

Remarks:

NO



Code: TBI

Description: Tap Break-in Intruding

Distance (ft): 9.4
Structural Grade: 0

O&M Grade: 2

Clock Start/From: 11

Clock To:

 1st Value:
 6.000

 2nd Value:
 1.000

Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: ROOTS GROWING IN THE SERVICE

AND FROM THE SERVICE TO MAIN C



Code: RTC

Description: **Roots Tap Connection**

Distance (ft): 9.4 Structural Grade: 0 2 O&M Grade: Clock Start/From: 10 Clock To: 12

1st Value: 2nd Value:

Value Percent: 20.000

Continuous Index:

Within 8" of Joint:

Remarks:

NO



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

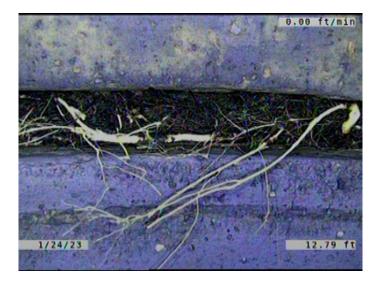
Distance (ft): 12.1 Structural Grade: 2 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

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

Remarks:



Code: RFJ

Description: **Roots Fine Joint**

Distance (ft): 12.8 Structural Grade: 0 O&M Grade: 1 Clock Start/From: 10 Clock To: 2

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

Within 8" of Joint:

Remarks:

YES



Code: **ISGT**

Description: **Intruding Sealing Material Grout**

Distance (ft): 12.8 Structural Grade: 0 O&M Grade: 2 Clock Start/From: 4 Clock To: 8 1st Value: 2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint: NO

Remarks:



Code: RMJ

Description: Roots Medium Joint

Distance (ft): 14.9
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 10
Clock To: 2

1st Value: 2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: RFJ

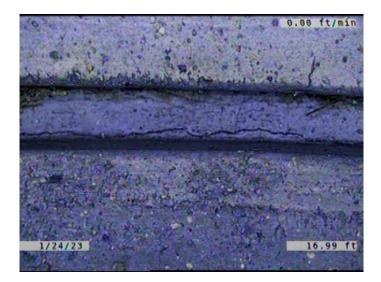
Description: Roots Fine Joint

Distance (ft): 17.0
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 10
Clock To: 12
1st Value:
2nd Value:

Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: CM

Description: Crack Multiple

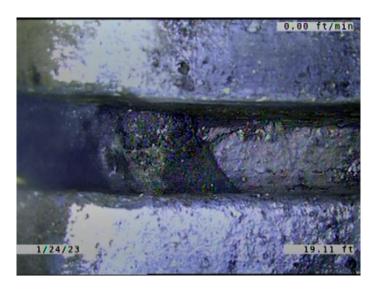
Distance (ft): 17.0
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 10
Clock To: 3

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

Within 8" of Joint:

Remarks:

YES



Code: JAM

Description: Joint Angular Medium

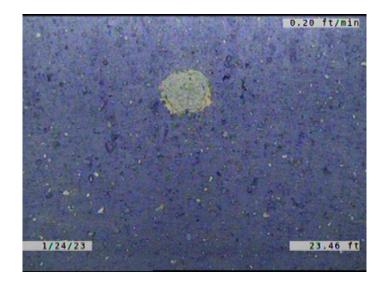
Distance (ft): 19.1
Structural Grade: 3
O&M Grade: 0

Clock Start/From:

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

Within 8" of Joint: NO

Remarks:



Code: SSS

Description: Surface Damage Surface Spalling

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

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

Within 8" of Joint:

Remarks:

NO



Code: RFJ

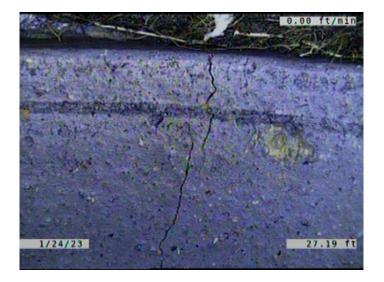
Description: Roots Fine Joint

Distance (ft): 27.2
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 9
Clock To: 3
1st Value:
2nd Value:
Value Percent:
Continuous Index: \$02

Remarks:

Within 8" of Joint:

YES



Code: CL

Description: Crack Longitudinal

Distance (ft): 27.2
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 1

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

Within 8" of Joint:

Remarks:

YES



Code: TF

Description: Tap Factory

Distance (ft): 28.4
Structural Grade: 0

O&M Grade: 0

Clock Start/From: 1

Clock To:

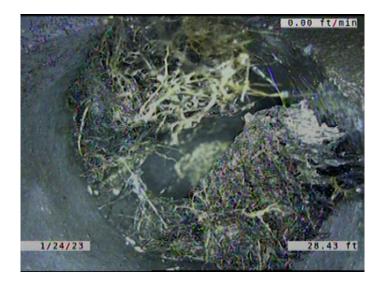
1st Value: **6.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: ROOTS GROWING FROM THE

SERVICE TO MAIN CONNECTION INT



Code: **RMC**

Description: **Roots Medium Connection**

Distance (ft): 28.4 Structural Grade: 0 3 O&M Grade: Clock Start/From: 1

Clock To: 1st Value: 2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint:

Remarks:

NO



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

Distance (ft): 32.8 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

Remarks:



Code: JAL

Description: Joint Angular Large

Distance (ft): 35.6
Structural Grade: 4

O&M Grade: 0

Clock Start/From:

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

Within 8" of Joint:

Remarks:

NO



Code: B
Description: Broken

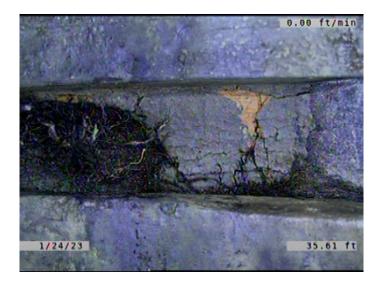
Distance (ft): 35.6
Structural Grade: 4

O&M Grade: 0
Clock Start/From: 2
Clock To: 4

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

Within 8" of Joint: YES

Remarks:



Code: CM

Description: **Crack Multiple**

Distance (ft): 35.6 Structural Grade: 3 0 O&M Grade: Clock Start/From: 8 Clock To: 10

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

Within 8" of Joint:

Remarks:

YES



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

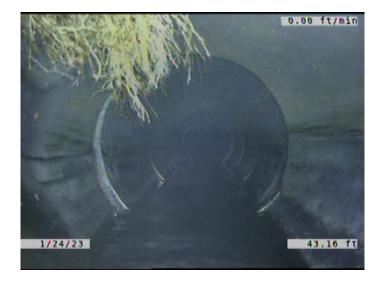
42.1 Distance (ft): Structural Grade: 2 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

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

Remarks:



Code: MWLS

Description: Miscellaneous Water Level Sag

Distance (ft): 43.2
Structural Grade: 2
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 15.000
Continuous Index: S04
Within 8" of Joint: NO

Remarks:



Code: **TFD**

Description: Tap Factory Defective

Distance (ft): 44.4
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: 99% PLUGGED WITH ROOTS.
CONSTANTLY RUNNING WATER.



Code: RML

Description: Roots Medium Lateral

Distance (ft): 44.4
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 10
Clock To: 12

1st Value: 2nd Value:

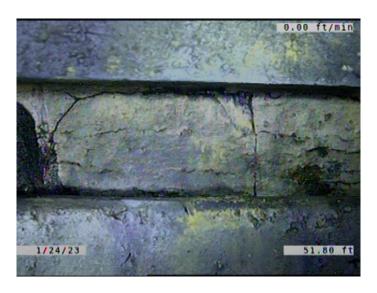
Value Percent: 10.000

Continuous Index:

Within 8" of Joint:

Remarks:

NO



Code: JAM

Description: Joint Angular Medium

Distance (ft): 51.8
Structural Grade: 3
O&M Grade: 0

Clock Start/From:

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

Within 8" of Joint: NO

Remarks:



Code: CM

Description: Crack Multiple

Distance (ft): 51.8
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 2
Clock To: 4

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

Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: JAM

Description: Joint Angular Medium

Distance (ft): 55.4
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: **FM**

Description: Fracture Multiple

Distance (ft): 55.5
Structural Grade: 4
O&M Grade: 0
Clock Start/From: 9
Clock To: 11

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

Within 8" of Joint:

Remarks:

YES



Code: JAL

Description: Joint Angular Large

Distance (ft): 61.7
Structural Grade: 4
O&M Grade: 0

Clock Start/From:

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

Within 8" of Joint: NO

Remarks:



Code: FM
Description: Fracture Multiple

Distance (ft): 61.7
Structural Grade: 4

O&M Grade: 0

Clock Start/From: 3

Clock To: 4

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

Within 8" of Joint:

Remarks:



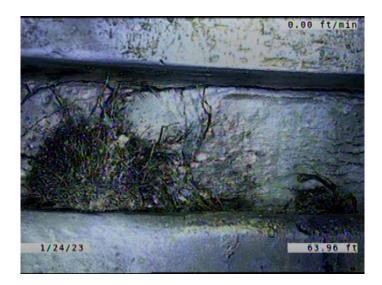
Code: FM

Description: Fracture Multiple

YES

Distance (ft): 64.0 Structural Grade: 4 O&M Grade: 0 Clock Start/From: 3 5 Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: YES

Remarks:



Code: JAM

Description: Joint Angular Medium

Distance (ft): 64.0 Structural Grade: 3

O&M Grade: 0

Clock Start/From:

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

well of the

Within 8" of Joint:

Remarks:

NO



Code: FM

Description: Fracture Multiple

Distance (ft): 65.8
Structural Grade: 4

O&M Grade: 0
Clock Start/From: 12
Clock To: 4

1st Value: 2nd Value:

Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

Distance (ft): 66.1 Structural Grade: 2 0 O&M Grade:

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 15.000 Continuous Index: F04 Within 8" of Joint: NO

Remarks:



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

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

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 15.000 Continuous Index: **S05** Within 8" of Joint: NO

Remarks:



Code: MWLS

Description: Miscellaneous Water Level Sag

Distance (ft): 79.8
Structural Grade: 2
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 15.000
Continuous Index: F05
Within 8" of Joint: NO

Remarks:



Code: LL

Description: Line Left

Distance (ft): 79.8
Structural Grade: 0

O&M Grade: 1

Clock Start/From:

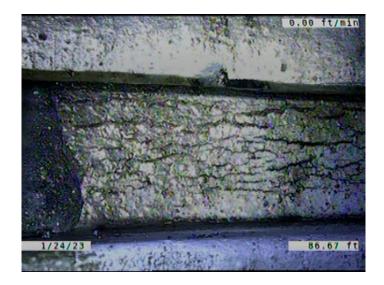
Clock To: 1st Value: 2nd Value:

Value Percent: 10.000

Continuous Index:

Within 8" of Joint: NO

Remarks:



Code: JAL

Description: Joint Angular Large

Distance (ft): 86.7
Structural Grade: 4
O&M Grade: 0

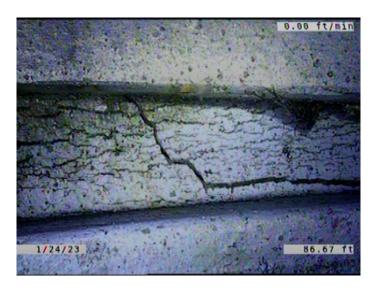
Clock Start/From:

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

Within 8" of Joint:

Remarks:

NO



Code: FM

Description: Fracture Multiple

Distance (ft): 86.7
Structural Grade: 4

O&M Grade: 0

Clock Start/From: 8

Clock To: 12

1st Value:

2nd Value:

Value Percent:

Within 8" of Joint:

Continuous Index:

Remarks:

YES



Code: **TFD**

Description: **Tap Factory Defective**

Distance (ft): 110.7 Structural Grade: 0 3 O&M Grade: Clock Start/From: 1

Clock To:

1st Value: 6.000

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: **TAP BROKEN. SERVICE LARGE**

OFFSET. SOIL VISIBLE. ROOTS GROW



Code: JAM

Description: Joint Angular Medium

Distance (ft): 115.6 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: DAR

Description: Deposits Attached Ragging

Distance (ft): 119.6
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 6
Clock To: 7

1st Value: 2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: **TFD**

Description: Tap Factory Defective

Distance (ft): 122.8
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 11

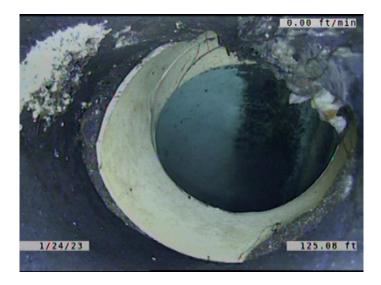
Clock To:

1st Value: **6.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: CAPPED. CAP BROKEN. ROOTS
GROWING AROUND THE CAP.



Code: TF

Description: **Tap Factory**

Distance (ft): 125.1 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 FROM THE**

SERVICE TO MAIN CONNECTION INT



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

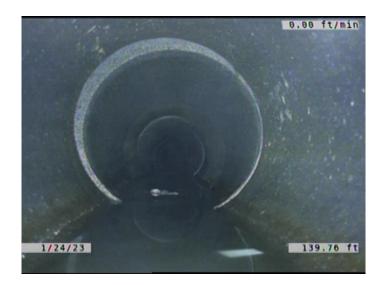
Distance (ft): 133.8 Structural Grade: 2 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 15.000 Continuous Index: **S06** Within 8" of Joint: NO

Remarks:



Code: MWLS

Description: Miscellaneous Water Level Sag

Distance (ft): 139.8
Structural Grade: 2
O&M Grade: 0

Clock To: 1st Value: 2nd Value:

Clock Start/From:

Value Percent: 15.000
Continuous Index: F06
Within 8" of Joint: NO

Remarks:



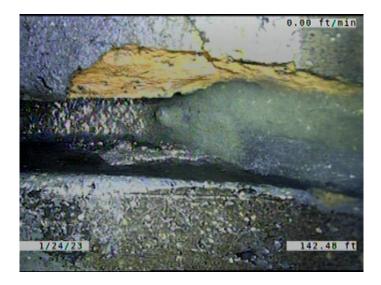
Code: CM

Description: Crack Multiple

Distance (ft): 142.5
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 1
Clock To: 3
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: SZ

Description: **Surface Damage Other**

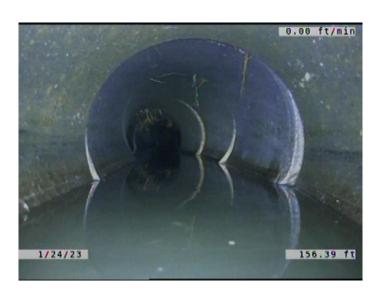
Distance (ft): 142.5 Structural Grade: 0 O&M Grade: 0 Clock Start/From: 4 Clock To: 5

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

Within 8" of Joint: YES

Remarks: A PIECE CHIPPED AWAY FROM THE

JOINT.



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

Distance (ft): 156.4 Structural Grade: 2 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 20.000 Continuous Index: **S07** Within 8" of Joint: NO

Remarks:



Code: FΜ

Description: **Fracture Multiple**

Distance (ft): 165.1 Structural Grade: 4 O&M Grade: 0 Clock Start/From: 10

Clock To: 11 1st Value: 2nd Value:

Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: RMJ

Description: **Roots Medium Joint**

Distance (ft): 167.2 Structural Grade: 0 O&M Grade: 3 Clock Start/From: 9 3 Clock To: 1st Value:

2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: MWLS

Description: Miscellaneous Water Level Sag

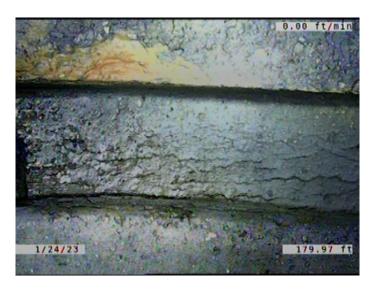
Distance (ft): 177.1
Structural Grade: 2
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 20.000
Continuous Index: F07
Within 8" of Joint: NO

Remarks:



Code: JAM

Description: Joint Angular Medium

Distance (ft): 180.0
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: JAM

Description: Joint Angular Medium

Distance (ft): 184.0
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: **BVV**

Description: Broken Void Visible

Distance (ft): 192.0
Structural Grade: 5

O&M Grade: 0
Clock Start/From: 9
Clock To: 4

1st Value: 2nd Value: Value Percent:

Within 8" of Joint: YES

Remarks:

Continuous Index:

arks:



Code: DR

Description: Deformed Rigid

Distance (ft): 192.0
Structural Grade: 4
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint: NO

Remarks:

Code: RFJ
Description: Roots Fine Joint

Distance (ft): 193.5
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 9
Clock To: 3
1st Value:
2nd Value:
Value Percent:

Continuous Index: F02
Within 8" of Joint: YES

Remarks:





Code: AMH
Description: Manhole

Distance (ft): 193.9
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-805-058