Profile/Photo Observation Report



Date: 03/16/2024 Weather: **PACP 7.0** Coding: Pipe Length (ft): 179.0 Owner: **City of Hobart** Pre Clean: **Heavy Cleaning** P.O.#: S. Bucklin PSR: P-405-029-028 Surveyor:

Customer: City of Hobart Clean Date: 10/30/2023 Shape: C

Street: W 3RD PL Flow Control: Not Controlled

City: Hobart, IN Year Renewed: Location: Easement/Right of Way Tape/Media #:

Purpose:Sewer System Evaluation Survey (SS Dia/Height:8"Use:Sanitary Sewage PipeMaterial:VCPDrain Area:Lining:None

Category: NA

Comment:

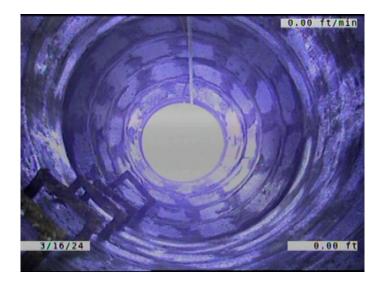
Location Details: Direction of Survey: Upstream

US MH: M-405-028 DS MH: M-405-029 Total Length Surveyed (ft): 175.8

2.00 54.00 O&M Index: O&M Quick: O&M Rating: 3.19 4834 51.00 Structural Rating: Structural Index: Structural Quick: 2.44 105.00 Overall Quick: Overall Rating: Overall Index:

	Position	Code	Observation	Video (sec)	Grade
405 -	029				
\mathcal{A}	0.	AMH	Manhole	0	NA
ш	0.	MWL	Miscellaneous Water Level	76	NA
	$\sqrt{\frac{2.2}{2.2}}$	RPP	Point Repair Patch	157	NA
ш	3.3	B(S01)	Broken	245	S 4
	7.\\\ 7.9	DAE(S02)	Deposits Attached Encrustation	344	M 2
ш	8.0	B(F01)	Broken	363	S 4
	12.5	MWL	Miscellaneous Water Level	400	NA
ш	14.1	FM	Fracture Multiple	436	S 4
ш	14.1	JOMD(S03)	Joint Offset Medium Defective	457	S 3
ш	14.1	DSF(S04)	Deposits Settled Fine	470	M 2
ш	20.8	MWL	Miscellaneous Water Level	524	NA
	20.8	DAE(F02)	Deposits Attached Encrustation	533	M 2
ш	20.8	JOMD(F03)	Joint Offset Medium Defective	544	S 3
ш	20.8	DSF(F04)	Deposits Settled Fine	553	M 2
ш	28.1	TF	Tap Factory	607	NA
ш	31.7	RPR(S05)	Point Repair Replacement	680	NA
.	38.3	TF	Tap Factory	755	NA
ш	74.4	RPR(F05)	Point Repair Replacement	1066	NA
	77.6	CL	Crack Longitudinal	1104	S 2

	83.8	CL			
	11	CL	Crack Longitudinal	1240	S 2
+//	83.8	DAE	Deposits Attached Encrustation	1251	M 2
1 1 1	83.8	IRJ	Infiltration Runner Joint	1274	M 4
	83.8	JAM	Joint Angular Medium	1294	S 3
	83.8	FM	Fracture Multiple	1332	S 4
$+$ ν	89.5	RPR(S06)	Point Repair Replacement	1405	NA
	102.3	RPR(F06)	Point Repair Replacement	1529	NA
	107.3	SSC	Surface Spalling of Damage Coating	1579	S 1
Ш.,	114.4	DAE	Deposits Attached Encrustation	1657	M 2
	117.6	DAE	Deposits Attached Encrustation	1716	M 2
	117.8	FS	Fracture Spiral	1760	S 3
	119.0	DAE	Deposits Attached Encrustation	1799	M 2
	120.2	RPR(S07)	Point Repair Replacement	1880	NA
	126.4	TFA	Tap Factory Activity	1966	NA
	129.7	RPR(F07)	Point Repair Replacement	2044	NA
	129.7	FM(S08)	Fracture Multiple	2082	S 4
	129.7	DAE(S09)	Deposits Attached Encrustation	2091	M 2
	137.8	TFD	Tap Factory Defective	2152	M 3
//	141.7	FM(F08)	Fracture Multiple	2194	S 4
	147.8	CM	Crack Multiple	2286	S 3
	147.8	RFJ	Roots Fine Joint	2300	M 1
//	158.4	FM(S10)	Fracture Multiple	2429	S 4
	162.2	RFB	Roots Fine Barrel	2485	M 2
	162.9	MWLS(S11)	Miscellaneous Water Level Sag	2502	S 2
$\perp \downarrow I$	166.2	RFB	Roots Fine Barrel	2543	M 2
	169.2	RFJ	Roots Fine Joint	2589	M 1
	169.2	MWLS(F11)	Miscellaneous Water Level Sag	2602	S 2
	170.4	RFC	Roots Fine Connection	2659	M 1
	170.4	TBD	Tap Break-in/Hammer Defective	2690	M 3
==	/172.1	RFJ	Roots Fine Joint	2776	M 1
	175.7	DAE(F09)	Deposits Attached Encrustation	2827	M 2
#//	175.7	FM(F10)	Fracture Multiple	2834	S 4
$\prod /$	175.8	АМН	Manhole	2913	NA



Code: AMH
Description: Manhole

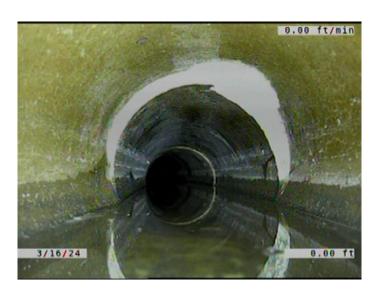
Distance (ft): .0
Structural Grade: 0
O&M Grade: 0

Clock Start/From:

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

Within 8" of Joint: NO

Remarks: M-405-029



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: 25.000

Continuous Index:

Within 8" of Joint: NO

Remarks:

-



Code: RPP
Description: Point Repair Patch

Distance (ft): 2.2
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 8
Clock To: 5
1st Value:

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

Within 8" of Joint: YES

Remarks: LOOKS TO BE REPAIRED WITH

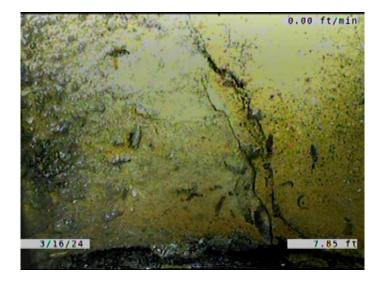
MORTAR.



Code: B
Description: Broken

Distance (ft): 3.3 Structural Grade: 4 O&M Grade: 0 Clock Start/From: 8 Clock To: 4 1st Value: 2nd Value: Value Percent: Continuous Index: **S01** Within 8" of Joint: YES

Remarks:



Code: DAE
Description: Deposits Attached Encrustation

Distance (ft): 7.9
Structural Grade: 0
O&M Grade: 2

Clock Start/From: 8
Clock To: 4
1st Value:
2nd Value:

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

Remarks:



Code: B
Description: Broken

Distance (ft): 8.0 Structural Grade: 4 O&M Grade: 0 Clock Start/From: 8 Clock To: 4 1st Value: 2nd Value: Value Percent: Continuous Index: F01 Within 8" of Joint: YES

Remarks:



Code: MWL

Description: Miscellaneous Water Level

Distance (ft): 12.5
Structural Grade: 0

O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 15.000

Continuous Index:

Within 8" of Joint:

Remarks:

NO



Code: FM

Description: Fracture Multiple

Distance (ft): 14.1
Structural Grade: 4

O&M Grade: 0

Clock Start/From: 8

Clock To: 4

1st Value:

2nd Value:

Within 8" of Joint:

Remarks:

Value Percent: Continuous Index:

YES



Code: **JOMD**

Description: **Joint Offset Medium Defective**

Distance (ft): 14.1 Structural Grade: 3 0 O&M Grade:

Clock Start/From:

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

Continuous Index: **S03** Within 8" of Joint: NO

Remarks:



DSF Code:

Description: **Deposits Settled Fine**

5.000

Distance (ft): 14.1 Structural Grade: 0 O&M Grade: 2 Clock Start/From: 5 7 Clock To: 1st Value:

2nd Value: Value Percent:

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

Remarks:



Code: MWL

Description: **Miscellaneous Water Level**

Distance (ft): 20.8 Structural Grade: 0 0 O&M Grade:

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint:

Remarks:

NO



Code: DAE

Description: **Deposits Attached Encrustation**

Distance (ft): 20.8 Structural Grade: 0 O&M Grade: 2 Clock Start/From: 8 Clock To: 4 1st Value: 2nd Value:

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

Remarks:



Code: JOMD

Description: Joint Offset Medium Defective

Distance (ft): 20.8
Structural Grade: 3
O&M Grade: 0

Clock Start/From:

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

Continuous Index: F03
Within 8" of Joint: NO

Remarks:



Code: **DSF**

Description: Deposits Settled Fine

Distance (ft): 20.8
Structural Grade: 0

O&M Grade: 2

Clock Start/From: 5

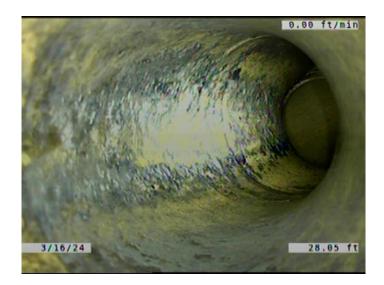
Clock To: 7

1st Value:

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

Remarks:

2nd Value:



Code: **TF**

Description: Tap Factory

Distance (ft): 28.1
Structural Grade: 0

O&M Grade: 0

Clock Start/From: 11

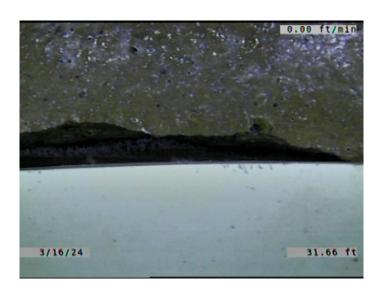
Clock To:

1st Value: **6.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: CONSTANTLY RUNNING WATER.



Code: RPR

Description: Point Repair Replacement

Distance (ft): 31.7
Structural Grade: 0

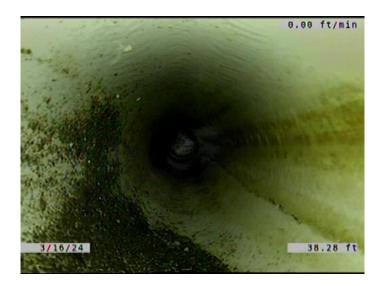
O&M Grade: 0

Clock Start/From:

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

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

Remarks: **REPLACED WITH PVC.**



Code: **TF**

Description: **Tap Factory**

Distance (ft): 38.3
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: CONSTANTLY RUNNING WATER.



Code: RPR

Description: Point Repair Replacement

Distance (ft): 74.4
Structural Grade: 0

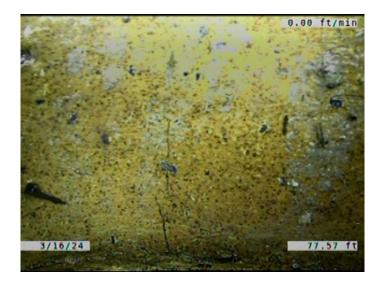
O&M Grade: 0

Clock Start/From:

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

Continuous Index: F05
Within 8" of Joint: YES

Remarks: **REPLACED WITH PVC.**



Code: CL

Description: **Crack Longitudinal**

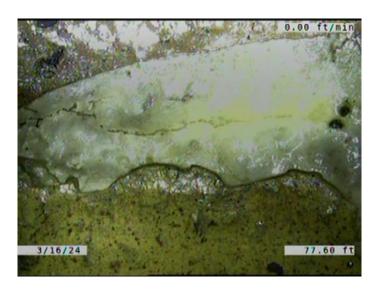
Distance (ft): 77.6 Structural Grade: 2 O&M Grade: 0 Clock Start/From: 11

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

Within 8" of Joint:

Remarks:

YES



Code: DAE

Description: **Deposits Attached Encrustation**

Distance (ft): 77.6 Structural Grade: 0 O&M Grade: 2 Clock Start/From: 7 5 Clock To: 1st Value:

Value Percent: 5.000

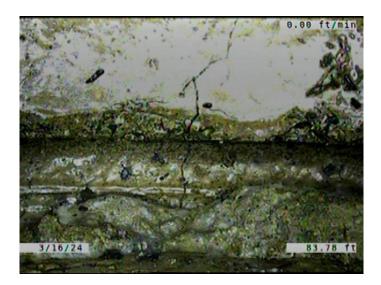
Continuous Index:

Within 8" of Joint:

Remarks:

2nd Value:

YES



Code: CL

Description: **Crack Longitudinal**

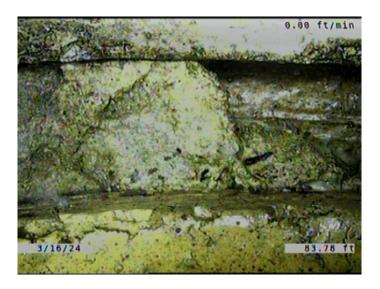
Distance (ft): 83.8 Structural Grade: 2 O&M Grade: 0 Clock Start/From: 11

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

Within 8" of Joint:

Remarks:

YES



Code: DAE

Description: **Deposits Attached Encrustation**

Distance (ft): 83.8 Structural Grade: 0 O&M Grade: 2 Clock Start/From: 7 5 Clock To: 1st Value:

Value Percent:

Continuous Index:

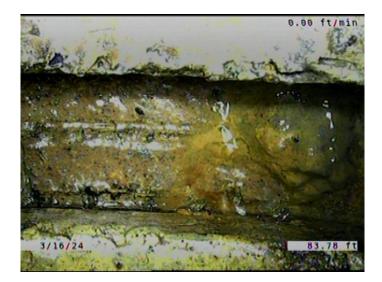
Within 8" of Joint:

Remarks:

2nd Value:

YES

5.000



IRJ Code:

Description: **Infiltration Runner Joint**

Distance (ft): 83.8 Structural Grade: 0 O&M Grade: 4 Clock Start/From: 3

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

Within 8" of Joint:

Remarks:

YES



Code: JAM

Description: Joint Angular Medium

Distance (ft): 83.8 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: FM

Description: Fracture Multiple

Distance (ft): 83.8
Structural Grade: 4

O&M Grade: 0

Clock Start/From: 12

Clock To: 5

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

Within 8" of Joint:

Remarks:

YES



Code: RPR

Description: Point Repair Replacement

Distance (ft): 89.5
Structural Grade: 0
O&M Grade: 0

Clock Start/From:

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

Continuous Index: **S06** Within 8" of Joint: **YES**

Remarks: **REPLACED WITH PVC.**



Code: RPR

Description: Point Repair Replacement

Distance (ft): 102.3
Structural Grade: 0
O&M Grade: 0

Clock Start/From:

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

Continuous Index: F06
Within 8" of Joint: YES

Remarks: **REPLACED WITH PVC.**



Code: SSC

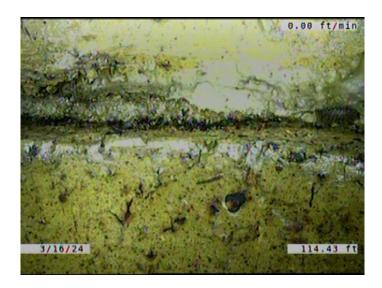
Description: Surface Spalling of Damage Coating

Distance (ft): 107.3
Structural Grade: 1
O&M Grade: 0
Clock Start/From: 8
Clock To: 9
1st Value:
2nd Value:
Value Percent:

Within 8" of Joint: NO

Remarks:

Continuous Index:



Code: DAE

Description: **Deposits Attached Encrustation**

Distance (ft): 114.4 Structural Grade: 0 2 O&M Grade: Clock Start/From: 7 Clock To: 5

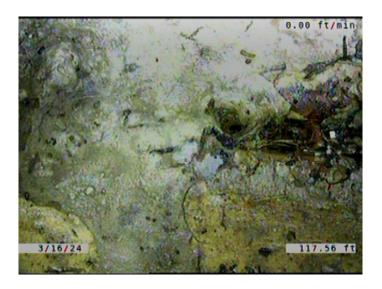
1st Value: 2nd Value:

5.000 Value Percent:

Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: DAE

Description: **Deposits Attached Encrustation**

Distance (ft): 117.6 Structural Grade: 0 O&M Grade: 2 Clock Start/From: 7 5 Clock To: 1st Value:

Value Percent: 5.000

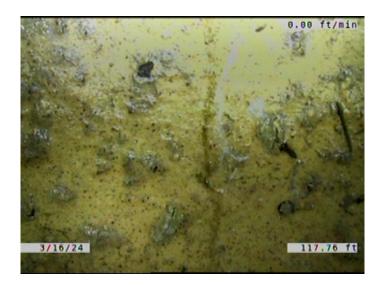
Continuous Index:

Within 8" of Joint:

Remarks:

2nd Value:

YES



Code: FS

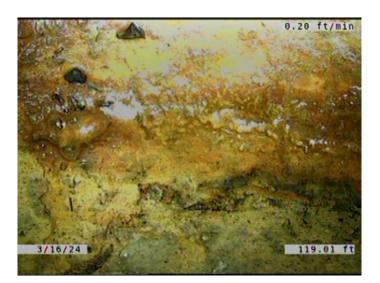
Description: **Fracture Spiral**

Distance (ft): 117.8 Structural Grade: 3 0 O&M Grade: Clock Start/From: 11 Clock To: 1

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

Within 8" of Joint: YES

Remarks:



Code: DAE

Description: **Deposits Attached Encrustation**

Distance (ft): 119.0 Structural Grade: 0 O&M Grade: 2 Clock Start/From: 12 5 Clock To: 1st Value:

2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: RPR

Description: Point Repair Replacement

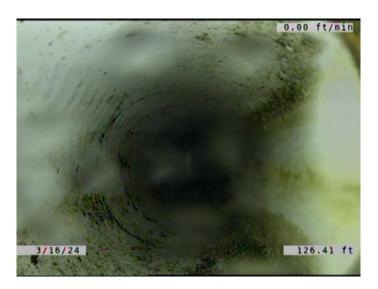
Distance (ft): 120.2
Structural Grade: 0
O&M Grade: 0

Clock Start/From:

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

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

Remarks: **REPLACED WITH PVC.**



Code: TFA

Description: Tap Factory Activity

Distance (ft): 126.4
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: CONSTANTLY RUNNING WATER.



Code: RPR

Description: Point Repair Replacement

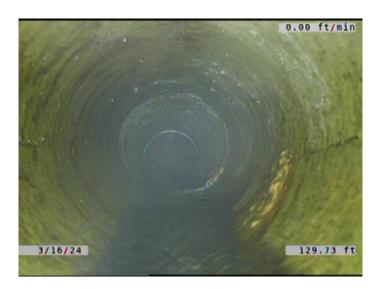
Distance (ft): 129.7
Structural Grade: 0
O&M Grade: 0

Clock Start/From:

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

Continuous Index: **F07**Within 8" of Joint: **YES**

Remarks: **REPLACED WITH PVC.**



Code: FM

Description: Fracture Multiple

Distance (ft): 129.7
Structural Grade: 4
O&M Grade: 0
Clock Start/From: 12
Clock To: 12
1st Value:

2nd Value: Value Percent: Continuous Index:

Continuous Index: **S08**Within 8" of Joint: **YES**

Remarks:

in 8 of Joint:



Code: DAE

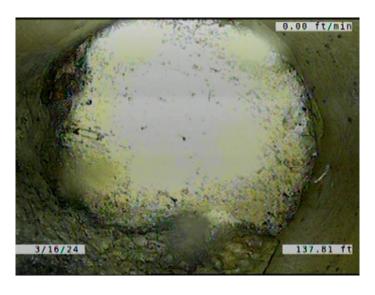
Description: Deposits Attached Encrustation

Distance (ft): 129.7
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 7
Clock To: 5

1st Value: 2nd Value:

Value Percent: 5.000
Continuous Index: S09
Within 8" of Joint: YES

Remarks:



Code: **TFD**

Description: Tap Factory Defective

Distance (ft): 137.8
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. ENCRUSTATION COMING AROUND THE CAP INTO THE MAIN.



Code: FM

Description: Fracture Multiple

Distance (ft): 141.7
Structural Grade: 4

O&M Grade: 0

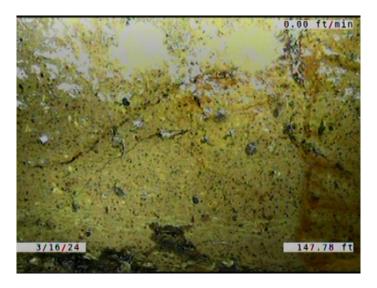
Clock Start/From: 12

Clock To: 12

1st Value: 2nd Value: Value Percent:

Continuous Index: F08
Within 8" of Joint: YES

Remarks:



Code: CM

Description: Crack Multiple

Distance (ft): 147.8

Structural Grade: 3

O&M Grade: 0

Clock Start/From: 7

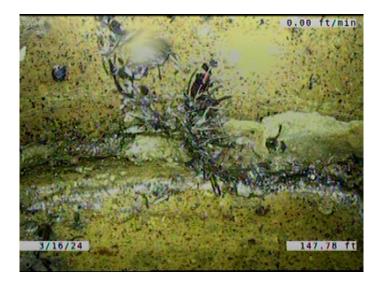
Clock To: 5

1st Value: 2

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: RFJ

Description: **Roots Fine Joint**

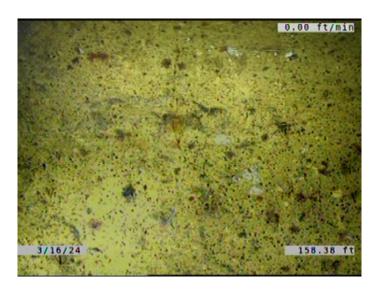
Distance (ft): 147.8 Structural Grade: 0 O&M Grade: 1 Clock Start/From: 12 Clock To: 1

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

Within 8" of Joint:

Remarks:

YES



Code: FΜ

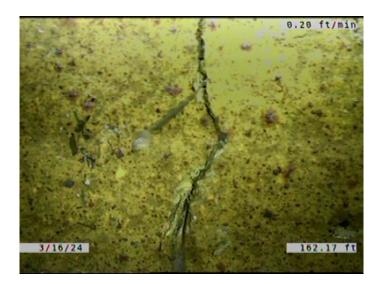
Description: **Fracture Multiple**

Distance (ft): 158.4 Structural Grade: 4 O&M Grade: 0 Clock Start/From: 12 12 Clock To: 1st Value:

2nd Value: Value Percent: Continuous Index:

S10 Within 8" of Joint: YES

Remarks:



Code: RFB

Description: **Roots Fine Barrel**

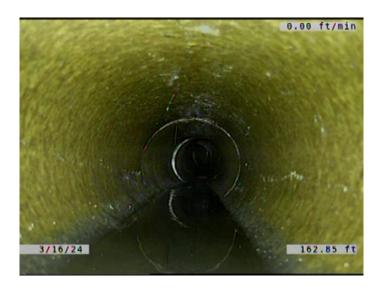
Distance (ft): 162.2 Structural Grade: 0 2 O&M Grade: Clock Start/From: 12

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

Within 8" of Joint:

Remarks:

NO



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

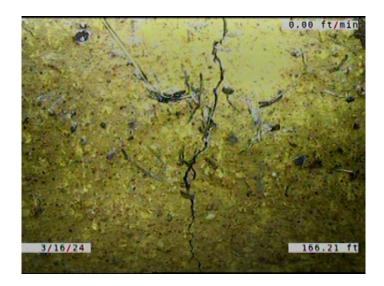
Distance (ft): 162.9 Structural Grade: 2 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 10.000 Continuous Index: **S11** Within 8" of Joint: NO

Remarks:



Code: RFB

Description: Roots Fine Barrel

Distance (ft): 166.2
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 11
Clock To: 12

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

Within 8" of Joint:

Remarks:

NO

YES



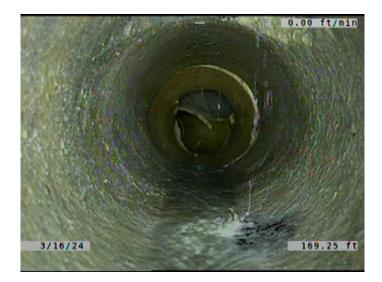
Code: RFJ

Description: Roots Fine Joint

Distance (ft): 169.2
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 3
Clock To: 4
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint:

Remarks:



Code: MWLS

Description: Miscellaneous Water Level Sag

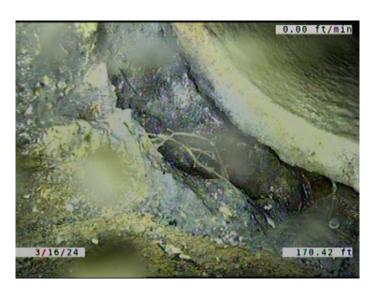
Distance (ft): 169.2
Structural Grade: 2
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 10.000
Continuous Index: F11
Within 8" of Joint: NO

Remarks:



Code: RFC

Description: Roots Fine Connection

Distance (ft): 170.4
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 11
Clock To: 1
1st Value: 2nd Value:

Continuous Index:
Within 8" of Joint: NO

Remarks:

Value Percent:

rks:



Code: TBD

Description: Tap Break-in/Hammer Defective

Distance (ft): 170.4
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 12

Clock To:

1st Value: **6.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: ACTIVITY. SERVICE BROKEN. ROOTS
GROWING IN THE JOINTS. CONSTAN



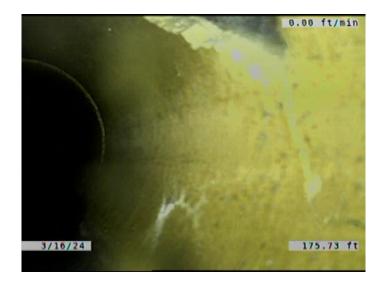
Code: RFJ

Description: Roots Fine Joint

Distance (ft): 172.1
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: YES

Remarks:



Code: DAE

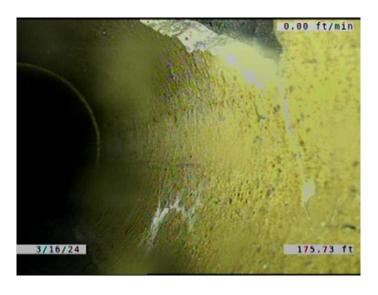
Description: **Deposits Attached Encrustation**

Distance (ft): 175.7 Structural Grade: 0 2 O&M Grade: Clock Start/From: 7 Clock To: 5

1st Value: 2nd Value:

5.000 Value Percent: Continuous Index: F09 Within 8" of Joint: YES

Remarks:



Code: FΜ

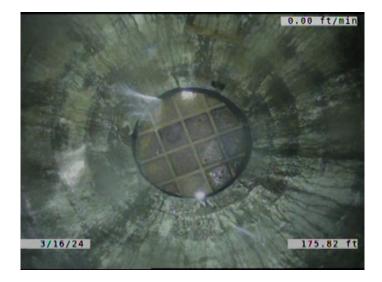
Description: **Fracture Multiple**

Distance (ft): 175.7 Structural Grade: 4 O&M Grade: 0 Clock Start/From: 12 Clock To: 12 1st Value:

2nd Value: Value Percent: Continuous Index:

F10 Within 8" of Joint: YES

Remarks:



Code: AMH
Description: Manhole

Distance (ft): 175.8
Structural Grade: 0
O&M Grade: 0

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

Within 8" of Joint: NO

Continuous Index:

Remarks: M-405-028