Profile/Photo Observation Report



Date: 08/11/2022 Weather: **PACP 7.0** Coding: Pipe Length (ft): 390.0 Owner: **City of Hobart** Pre Clean: **Heavy Cleaning** P.O.#: S. Bucklin PSR: P-705-046-047 YES502259 Surveyor:

Customer: City of Hobart Clean Date: 08/02/2022 Shape: C

Street: East Street Flow Control: Not Controlled

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

Purpose:Routine AssessmentDia/Height:18"Use:Sanitary Sewage PipeMaterial:VCPDrain Area:Lining:None

Category: NA

Comment:

Location Details: Direction of Survey: Upstream

US MH: M-705-047 DS MH: M-705-046 Total Length Surveyed (ft): 388.1

O&M Index: 2.00 O&M Quick: 413A O&M Rating: 64.00

Structural Index: 3.70 Structural Quick: 4134 Structural Rating: 244.00

Overall Index: 3.14 Overall Quick: 4J3B Overall Rating: 308.00

	Position	Code	Observation	Video (sec)	Grade
/ (705-)	046				
	0.	AMH	Manhole	1	NA
ш	0.	MWL	Miscellaneous Water Level	76	NA
	\\\ <u>.</u> 0	VC	Vermin Cockroach	93	M 1
	3.6	TF	Tap Factory	154	NA
	13.5	LR(SO1)	Line Right	199	M 1
Ш	24.1	LL(S02)	Line Left	238	M 1
	24.1	LR(F01)	Line Right	245	M 1
ш	37.9	LL(F02)	Line Left	294	M 1
ш	38.7	В	Broken	373	S 4
	38.7	JAM	Joint Angular Medium	410	S 3
н	√\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	TFD	Tap Factory Defective	459	M 3
н	\\\\ <u>\\</u> 64.6	SSS	Surface Damage Surface Spalling	543	S 2
ш	₩ <u>66.8</u>	SZ	Surface Damage Other	563	NA
	71.1	JOMD	Joint Offset Medium Defective	578	S 3
	76.4	TFD	Tap Factory Defective	634	M 3
ш	88.7	TF	Tap Factory	689	NA
,	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	SSS	Surface Damage Surface Spalling	744	S 2
	100.5	SZ	Surface Damage Other	765	NA
	109.4	FM(S07)	Fracture Multiple	786	S 4

122.0	TFI	Tap Factory Intruding	881	М
124.6	TF	Tap Factory	914	NA
125.7	JOMD	Joint Offset Medium Defective	955	S 3
138.6	ISB	Infiltration Stain Barrel	1002	М
158.0	TFD	Tap Factory Defective	1063	М
160.7	TFD	Tap Factory Defective	1087	M
189.6	В	Broken	1204	S 4
189.6	RFJ	Roots Fine Joint	1215	М
191.3	RML	Roots Medium Lateral	1244	М
191.3	TFD	Tap Factory Defective	1260	М
211.2	ISB	Infiltration Stain Barrel	1326	М
212.2	TFD	Tap Factory Defective	1348	М
242.7	TFD	Tap Factory Defective	1439	М
245.7	TFC	Tap Factory Capped	1462	NA
//250.3	DAE	Deposits Attached Encrustation	1499	М
260.8	LL(S04)	Line Left	1547	М
264.9	JOMD	Joint Offset Medium Defective	1595	S 3
268.4	JAL	Joint Angular Large	1646	S 4
	IRJ	Infiltration Runner Joint	1665	М
270.6	LR(S05)	Line Right	1689	М
270.6	LL(F04)	Line Left	1698	М
273.1	VC	Vermin Cockroach	1719	М
280.7	LR(F05)	Line Right	1777	М
283.5	DAE	Deposits Attached Encrustation	1810	М
283.8	MWLS	Miscellaneous Water Level Sag	1826	S 2
289.5	DAE	Deposits Attached Encrustation	1860	М
299.9	TFD	Tap Factory Defective	1905	М
300.0	SZ	Surface Damage Other	1917	NA
315.6	TFD	Tap Factory Defective	1968	М
321.7	TFD	Tap Factory Defective	2002	М
340.3	MWLS(S06)	Miscellaneous Water Level Sag	2066	S 2
353.4	DAE	Deposits Attached Encrustation	2131	М
365.0	MWLS(F06)	Miscellaneous Water Level Sag	2186	S 2
366.8	FM(F07)	Fracture Multiple	2200	S 4
370.6	MMC	Miscellaneous Material Change	2238	N.A
388.0	VC	Vermin Cockroach	2409	М
388.1	AMH	Manhole	2527	NA



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-705-046



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: VC

Description: Vermin Cockroach

Distance (ft): .0
Structural Grade: 0
O&M Grade: 1

Clock Start/From:

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

Within 8" of Joint: YES

Remarks: IN THE MANHOLE.



Code: **TF**

Description: Tap Factory

Distance (ft): 3.6
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:



Code: LR

Description: Line Right

Distance (ft): 13.5
Structural Grade: 0

O&M Grade: 1

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 5.000
Continuous Index: S01
Within 8" of Joint: NO

Remarks:



Code: LL

Description: Line Left

Distance (ft): 24.1
Structural Grade: 0

O&M Grade: 1

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 5.000
Continuous Index: S02
Within 8" of Joint: NO

Remarks:



Code: LR

Description: **Line Right**

Distance (ft): 24.1 Structural Grade: 0 1 O&M Grade:

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 5.000 Continuous Index: F01 Within 8" of Joint: NO

Remarks:



Code: LL

Description: **Line Left**

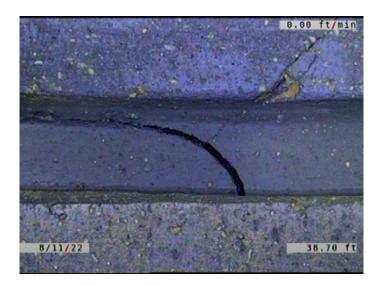
37.9 Distance (ft): Structural Grade: 0 O&M Grade: 1

Clock Start/From:

Clock To: 1st Value: 2nd Value:

5.000 Value Percent: Continuous Index: F02 Within 8" of Joint: NO

Remarks:



Code: B
Description: Broken

Distance (ft): 38.7
Structural Grade: 4

O&M Grade: 0

Clock Start/From: 12

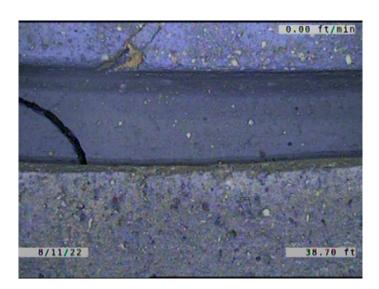
Clock To: 12

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

Within 8" of Joint:

Remarks:

YES



Code: JAM

Description: Joint Angular Medium

Distance (ft): 38.7
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: **TFD**

Description: Tap Factory Defective

Distance (ft): 46.0
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 11

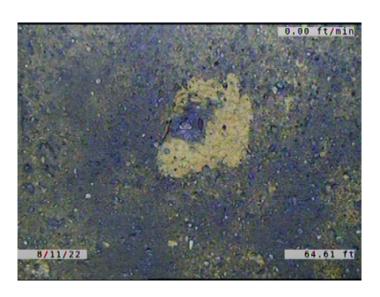
Clock To:

1st Value: **6.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: CAPPED. CAP BROKEN.



Code: SSS

Description: Surface Damage Surface Spalling

Distance (ft): 64.6
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: NO

Remarks:



Code: SZ

Description: Surface Damage Other

Distance (ft): 66.8
Structural Grade: 0

O&M Grade: 0

Clock Start/From: 10

Clock To: 3

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

Within 8" of Joint: NO

Remarks: Indentations factory defect.



Code: JOMD

Description: Joint Offset Medium Defective

Distance (ft): 71.1
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:

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Code: **TFD**

Description: Tap Factory Defective

Distance (ft): 76.4
Structural Grade: 0

O&M Grade: 3

Clock Start/From: 1

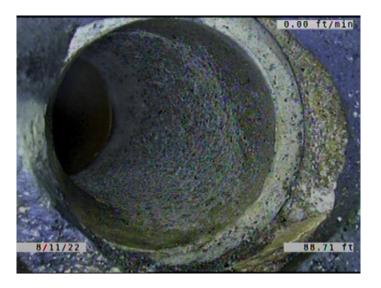
Clock To:

1st Value: **6.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

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



Code: **TF**

Description: Tap Factory

Distance (ft): 88.7
Structural Grade: 0

O&M Grade: 0

Clock Start/From: 11

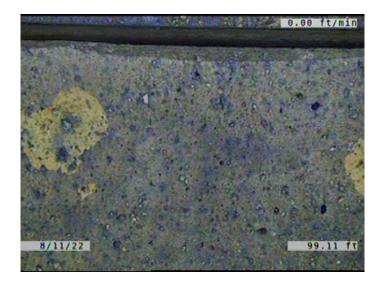
Clock To:

1st Value: **6.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: SERVICE ANGLED.



Code: SSS

Description: Surface Damage Surface Spalling

Distance (ft): 99.1
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 1
Clock To: 2

1st Value:
2nd Value:
Value Percent:

Continuous Index: Within 8" of Joint:

Remarks:

YES



Code: SZ

Description: Surface Damage Other

Distance (ft): 100.5
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 8
Clock To: 4
1st Value:

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

Within 8" of Joint: NO

Remarks: Indentations factory defect.



Code: FM

Description: Fracture Multiple

Distance (ft): 109.4
Structural Grade: 4

O&M Grade: 0

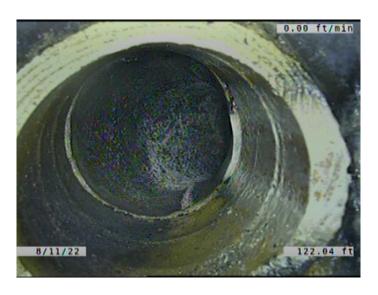
Clock Start/From: 12

Clock To: 12

1st Value: 2nd Value: Value Percent:

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

Remarks:



Code: TFI

Description: Tap Factory Intruding

Distance (ft): 122.0
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 1

Clock To:

 1st Value:
 6.000

 2nd Value:
 1.000

Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: TAP BROKEN. CONSTANTLY

RUNNING WATER.



Code: **TF**

Description: Tap Factory

Distance (ft): 124.6
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: SERVICE OFFSET.



Code: JOMD

Description: Joint Offset Medium Defective

Distance (ft): 125.7
Structural Grade: 3
O&M Grade: 0

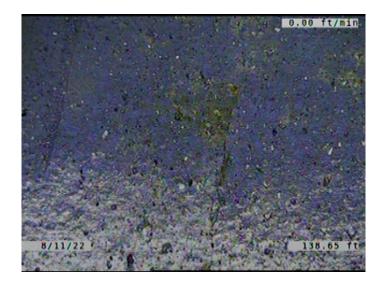
Clock Start/From:

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

Within 8" of Joint: NO

Remarks:

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Code: ISB

Description: Infiltration Stain Barrel

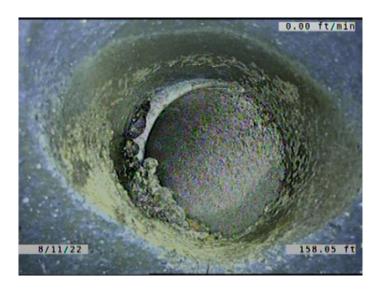
Distance (ft): 138.6
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 3

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

Within 8" of Joint:

Remarks:

YES



Code: **TFD**

Description: Tap Factory Defective

Distance (ft): 158.0
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: TAP BROKEN. SERVICE OFFSET AND

ANGLED.



Code: **TFD**

Description: Tap Factory Defective

Distance (ft): 160.7
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 1

Clock To:

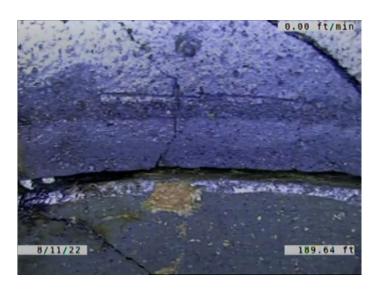
1st Value: **6.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: TAP BROKEN. ROOTS GROWING IN

THE JOINTS.



Code: **B**

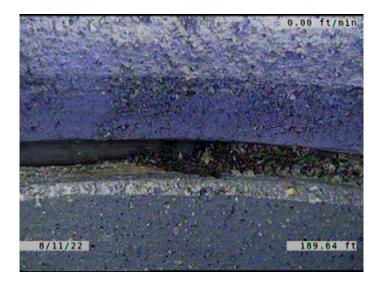
Description: Broken

Distance (ft): 189.6
Structural Grade: 4
O&M Grade: 0
Clock Start/From: 8
Clock To: 4
1st Value:
2nd Value:
Value Percent:

Within 8" of Joint: YES

Remarks:

Continuous Index:



Code: RFJ

Description: Roots Fine Joint

Distance (ft): 189.6
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 1

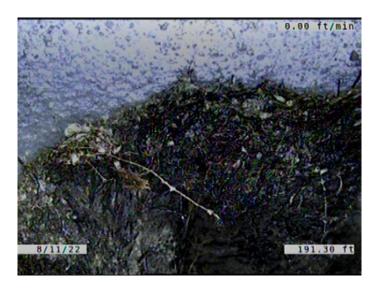
Clock To: 4
1st Value:

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: RML

Description: Roots Medium Lateral

Distance (ft): 191.3
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 1
Clock To: 2
1st Value:

2nd Value: Value Percent:

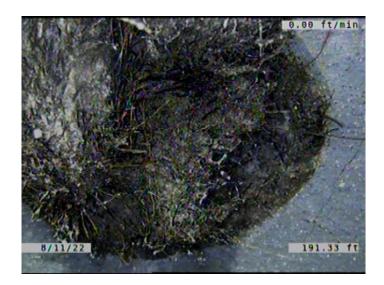
Continuous Index:

Within 8" of Joint:

Remarks:

NO

5.000



Code: **TFD**

Description: Tap Factory Defective

Distance (ft): 191.3
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 1

Clock To:

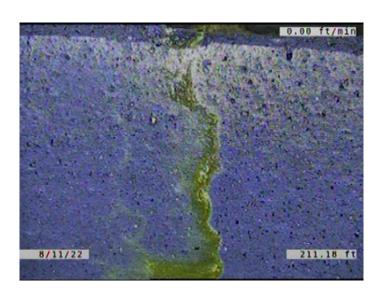
1st Value: **6.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: LOOKS TO BE 100% PLUGGED WITH

ROOTS.



Code: ISB

Description: Infiltration Stain Barrel

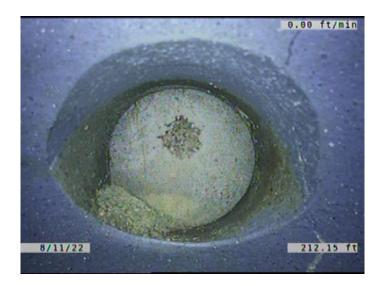
Distance (ft): 211.2
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 11

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

Within 8" of Joint: YES

Remarks:

l.c.



Code: **TFD**

Description: Tap Factory Defective

Distance (ft): 212.2
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: TAP BROKEN. CAPPED.



Code: **TFD**

Description: Tap Factory Defective

Distance (ft): 242.7
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: CAPPED. CAP BROKEN.



Code: TFC

Description: **Tap Factory Capped**

Distance (ft): 245.7 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: DAE

Description: **Deposits Attached Encrustation**

Distance (ft): 250.3 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:

Remarks:

YES



Code: LL

Description: Line Left

Distance (ft): 260.8
Structural Grade: 0

O&M Grade: 1

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 10.000
Continuous Index: S04
Within 8" of Joint: NO

Remarks:



Code: JOMD

Description: Joint Offset Medium Defective

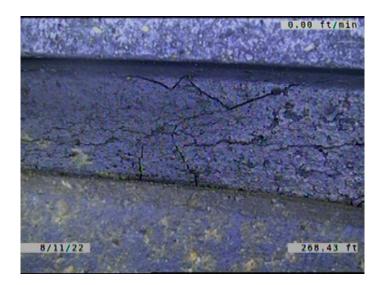
Distance (ft): 264.9
Structural Grade: 3
O&M Grade: 0

Clock Start/From:

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

Within 8" of Joint: NO

Remarks:



Code: JAL

Description: **Joint Angular Large**

Distance (ft): 268.4 Structural Grade: 0 O&M Grade:

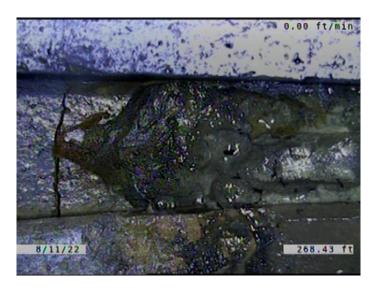
Clock Start/From:

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

Within 8" of Joint:

Remarks:

NO



IRJ Code:

Description: **Infiltration Runner Joint**

Distance (ft): 268.4 Structural Grade: 0 O&M Grade: Clock Start/From: Clock To: 1st Value:

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: LR

Description: **Line Right**

Distance (ft): 270.6 Structural Grade: 0 2 O&M Grade:

Clock Start/From:

Clock To: 1st Value: 2nd Value:

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

Remarks:



Code: LL

Description: **Line Left**

Distance (ft): 270.6 Structural Grade: 0

1

O&M Grade: Clock Start/From:

Clock To: 1st Value: 2nd Value:

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

Remarks:



VC Code:

Description: **Vermin Cockroach**

Distance (ft): 273.1 Structural Grade: 0 1 O&M Grade:

Clock Start/From:

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

Within 8" of Joint:

Remarks:

NO



LR Code:

Description: **Line Right**

Distance (ft): 280.7 Structural Grade: 0 O&M Grade: 2

Clock Start/From:

Clock To: 1st Value: 2nd Value:

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

Remarks:



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 283.5
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 7
Clock To: 8

Clock To: 1st Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint: YES

Remarks:

2nd Value:



Code: MWLS

Description: Miscellaneous Water Level Sag

Distance (ft): 283.8
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: DAE

Description: Deposits Attached Encrustation

Distance (ft): 289.5
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 7
Clock To: 8

1st Value: 2nd Value:

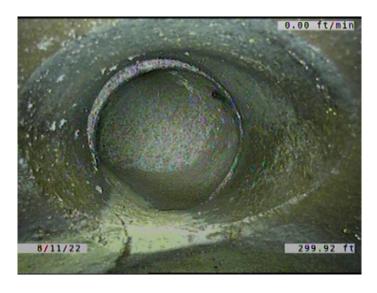
Value Percent: 5.000

Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: **TFD**

Description: Tap Factory Defective

Distance (ft): 299.9
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: TAP BROKEN.



Code: SZ

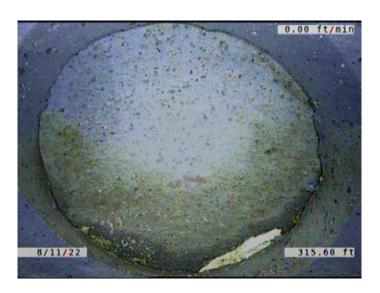
Description: Surface Damage Other

Distance (ft): 300.0
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 11

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

Within 8" of Joint: NO

Remarks: Indentation, factory defect.



Code: **TFD**

Description: Tap Factory Defective

Distance (ft): 315.6
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: TAP CRACKED, CAPPED.



Code: **TFD**

Description: **Tap Factory Defective**

Distance (ft): 321.7 Structural Grade: 0 3 O&M Grade: Clock Start/From: 12

Clock To:

1st Value: 6.000

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: TAP CRACKED. CAPPED. CAP

BROKEN.



MWLS Code:

Description: **Miscellaneous Water Level Sag**

Distance (ft): 340.3 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: DAE

Description: **Deposits Attached Encrustation**

Distance (ft): 353.4 Structural Grade: 0 2 O&M Grade: Clock Start/From: 4 Clock To: 8

1st Value: 2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

Distance (ft): 365.0 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: FM

Description: Fracture Multiple

Distance (ft): 366.8
Structural Grade: 4

O&M Grade: 0

Clock Start/From: 12

Clock To: 12

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

Continuous Index: F07
Within 8" of Joint: YES

Remarks:

0.00 ft/min

Code: MMC
Description: Miscellaneous Material Change

Distance (ft): 370.6
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: VCP TO PVC

8/11/22 370.62 ft



Code: VC

Description: Vermin Cockroach

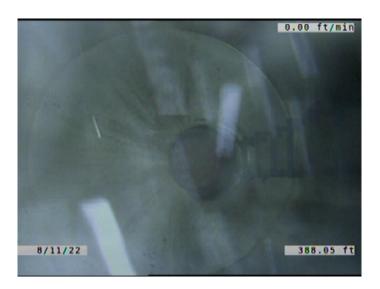
Distance (ft): 388.0
Structural Grade: 0
O&M Grade: 1

Clock Start/From:

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

Within 8" of Joint: YES

Remarks: IN THE MANHOLE.



Code: AMH
Description: Manhole

Distance (ft): 388.1
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-705-047