Profile/Photo Observation Report



Date: 03/15/2024 Weather: Coding: **PACP 7.0** Pipe Length (ft): 191.7 Owner: **City of Hobart** Pre Clean: **Heavy Cleaning** P.O.#: M-706-044-M-706-045

Surveyor: S. Bucklin PSR: Customer: **City of Hobart** Clean Date: 03/14/2024 Shape:

FLEMMING ST Flow Control: **Not Controlled** Street:

City: Hobart, IN Year Renewed: Alley Tape/Media #: Location:

Purpose: **Sewer System Evaluation Survey (SS** Dia/Height: 10" Use: **Sanitary Sewage Pipe** Material: **VCP** Lining: Drain Area: None

Category: NA

Comment:

Location Details: Direction of Survey: Upstream

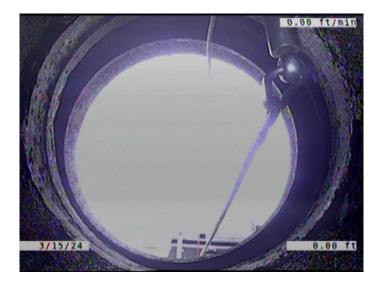
US MH: M-706-044 M-706-045 Total Length Surveyed (ft): DS MH: 198.5

1.36 38.00 O&M Index: O&M Quick: O&M Rating: 2.23 58.00 Structural Index: Structural Quick: Structural Rating: 1.78 96.00 Overall Index: Overall Quick: Overall Rating:

	Position	Code	Observation	Video (sec)	Grade
706-0	45				
	.0	AMH	Manhole	0	NA
	.0	MWL	Miscellaneous Water Level	70	NA
H	4.0	MWLS(S01)	Miscellaneous Water Level Sag	114	S 2
	\ 11.6	SSS	Surface Damage Surface Spalling	178	S 2
	18.9	CM	Crack Multiple	248	S 3
	\\ <u>18.9</u>	RFJ	Roots Fine Joint	291	M 1
	18.9	RFJ(S02)	Roots Fine Joint	313	M 1
 	22.3	TFD	Tap Factory Defective	356	M 3
	24.2	MWLS(F01)	Miscellaneous Water Level Sag	377	S 2
	33.1	RFJ	Roots Fine Joint	479	M 1
	37.2	RFJ	Roots Fine Joint	524	M 1
	37.2	CM	Crack Multiple	568	S 3
	41.4	RFJ(F02)	Roots Fine Joint	599	M 1
	\\ <u>48.5</u>	TF	Tap Factory	659	NA
	\\ <u>63.8</u>	RFJ	Roots Fine Joint	783	M 1
	63.8	RFJ(S03)	Roots Fine Joint	799	M 1
	66.0	RFJ	Roots Fine Joint	882	M 1
	\\ <u>66.0</u>	SSS	Surface Damage Surface Spalling	899	S 2
	\\ <u>76.0</u>	CM	Crack Multiple	976	S 3

\82.4	RFJ	Roots Fine Joint	1026	M 1
92.8	IRJ	Infiltration Runner Joint	1092	M 4
92.8	RFJ	Roots Fine Joint	1133	M 1
93.7	TFD	Tap Factory Defective	1162	M 3
94.7	CS	Crack Spiral	1194	S 2
95.1	SSS	Surface Damage Surface Spalling	1217	S 2
101.0	SSS	Surface Damage Surface Spalling	1269	S 2
104.4	MWLS(S04)	Miscellaneous Water Level Sag	1300	S 2
121.0	RFJ(F03)	Roots Fine Joint	1383	M 1
127.6	CM	Crack Multiple	1446	S 3
139.0	TFD	Tap Factory Defective	1507	М 3
151.3	MWLS(F04)	Miscellaneous Water Level Sag	1571	S 2
155.9	MWLS(S05)	Miscellaneous Water Level Sag	1606	S 2
163.8	MWLS(F05)	Miscellaneous Water Level Sag	1652	S 2
184.4	DAE	Deposits Attached Encrustation	1801	M 2
185.4	TF	Tap Factory	1826	NA
186.5	FM	Fracture Multiple	1881	S 4
186.5	RFJ	Roots Fine Joint	1918	M 1
187.6	SSS(S06)	Surface Damage Surface Spalling	1964	S 2
194.2	SSS(F06)	Surface Damage Surface Spalling	2011	S 2
198.5	AMH	Manhole	2131	NA

M(706)044



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:

Remarks: M-706-045

NO



Code: MWL

Description: **Miscellaneous Water Level**

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

Clock Start/From:

Clock To: 1st Value: 2nd Value:

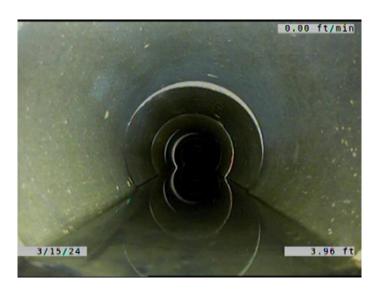
Value Percent: 10.000

Continuous Index:

Within 8" of Joint:

Remarks:

NO



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

Distance (ft): 4.0 Structural Grade: 2 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 15.000 Continuous Index: **S01** Within 8" of Joint: NO

Remarks:



Code: SSS

Description: **Surface Damage Surface Spalling**

Distance (ft): 11.6 Structural Grade: 2 0 O&M Grade: Clock Start/From: 3 Clock To: 4

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

Within 8" of Joint:

Remarks:

YES



CM Code:

Description: **Crack Multiple**

Distance (ft): 18.9 Structural Grade: 3 O&M Grade: 0 Clock Start/From: 9 Clock To: 12 1st Value: 2nd Value: Value Percent:

Within 8" of Joint: YES

Continuous Index:

Remarks:



Code: RFJ

Description: Roots Fine Joint

Distance (ft): 18.9
Structural Grade: 0

O&M Grade: 1

Clock Start/From: 9

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

Within 8" of Joint:

Remarks:

YES



Code: RFJ

Description: Roots Fine Joint

Distance (ft): 18.9
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 2
Clock To: 5
1st Value:
2nd Value:
Value Percent:
Continuous Index: 502

Within 8" of Joint: YES

Remarks:



Code: **TFD**

Description: **Tap Factory Defective**

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

Clock To:

1st Value: 6.000

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: TAP BROKEN. GRAVEL IN THE TAP.

ROOTS GROWING FROM THE TAP IN



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

Distance (ft): 24.2 Structural Grade: 2 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 15.000 Continuous Index: F01 Within 8" of Joint: NO

Remarks:



Code: RFJ
Description: Roots Fine Joint

Distance (ft): 33.1
Structural Grade: 0

O&M Grade: 1

Clock Start/From: 8

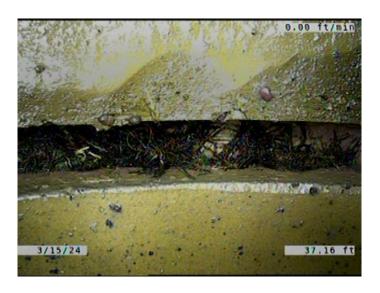
Clock To: 9

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

Within 8" of Joint:

Remarks:

YES



Code: RFJ

Description: Roots Fine Joint

Distance (ft): 37.2
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 8
Clock To: 10
1st Value:
2nd Value:
Value Percent:

Continuous Index: Within 8" of Joint:

ithin 8" of Joint: YES

Remarks:

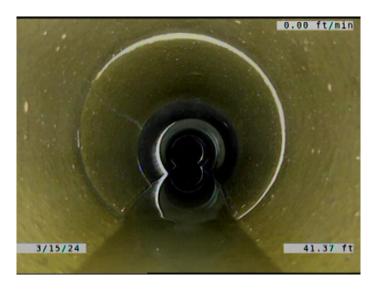


Code: CM Description: **Crack Multiple**

Distance (ft): 37.2 Structural Grade: 3 0 O&M Grade: Clock Start/From: 2 Clock To: 4 1st Value: 2nd Value: Value Percent: Continuous Index: YES

Within 8" of Joint:

Remarks:



RFJ Code:

Description: **Roots Fine Joint**

Distance (ft): 41.4 Structural Grade: 0 O&M Grade: 1 Clock Start/From: 2 5 Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index: F02

Remarks:

Within 8" of Joint: YES



Code: **TF**

Description: Tap Factory

Distance (ft): 48.5
Structural Grade: 0

O&M Grade: 0

Clock Start/From: 2

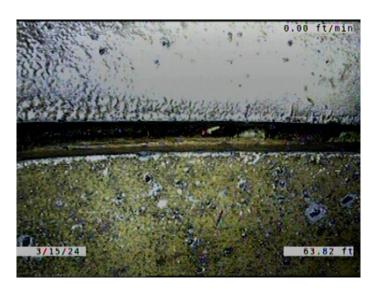
Clock To:

1st Value: **6.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: SERVICE OFFSET. ROOTS GROWING FROM THE SERVICE TO MAIN CONN



Code: RFJ

Description: Roots Fine Joint

Distance (ft): 63.8
Structural Grade: 0

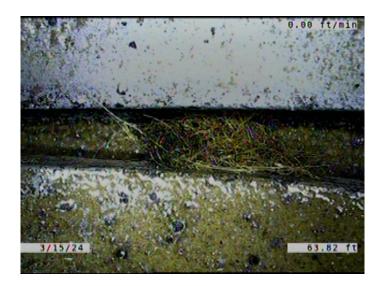
O&M Grade: 1

Clock Start/From: 10

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

Within 8" of Joint: YES

Remarks:



Code: RFJ

Description: Roots Fine Joint

Distance (ft): 63.8
Structural Grade: 0

O&M Grade: 1

Clock Start/From: 2

Clock To: 5

1st Value: 2nd Value: Value Percent:

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

Remarks:

3/15/24 65.99 ft

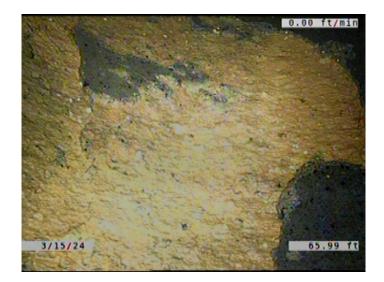
Code: RFJ

Description: Roots Fine Joint

Distance (ft): 66.0
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 9
Clock To: 11
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: SSS

Description: **Surface Damage Surface Spalling**

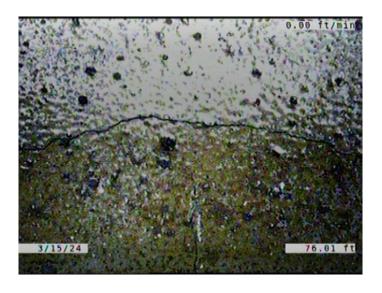
Distance (ft): 66.0 Structural Grade: 2 O&M Grade: 0 Clock Start/From: 2 Clock To: 11

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

Within 8" of Joint:

Remarks:

YES



CM Code:

Description: **Crack Multiple**

Distance (ft): 76.0 Structural Grade: 3 O&M Grade: 0 Clock Start/From: 11 2 Clock To: 1st Value: 2nd Value: Value Percent:

Within 8" of Joint: YES

Remarks:

Continuous Index:



3/15/24

Code: RFJ

Description: Roots Fine Joint

Distance (ft): 82.4
Structural Grade: 0

O&M Grade: 1

Clock Start/From: 11

Clock To: 12

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

Within 8" of Joint: YES

Remarks:

Code:

Description: Infiltration Runner Joint

IRJ

Distance (ft): 92.8
Structural Grade: 0
O&M Grade: 4
Clock Start/From: 8
Clock To: 9
1st Value:
2nd Value:

Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: RFJ

Description: Roots Fine Joint

Distance (ft): 92.8
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 9
Clock To: 3

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

Within 8" of Joint:

Remarks:

YES



Code: **TFD**

Description: Tap Factory Defective

Distance (ft): 93.7
Structural Grade: 0

O&M Grade: 3

Clock Start/From: 2

Clock To:

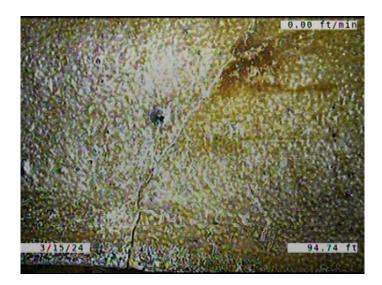
1st Value: **6.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: LOOKS TO BE 100% PLUGGED WITH

ROOTS.



Code: CS

Description: Crack Spiral

Distance (ft): 94.7
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 2
Clock To: 3

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

Within 8" of Joint:

Remarks:

YES



Code: SSS

Description: Surface Damage Surface Spalling

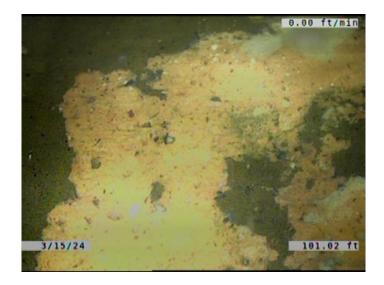
YES

Distance (ft): 95.1
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 2
Clock To: 11
1st Value:
2nd Value:

Continuous Index: Within 8" of Joint:

Remarks:

Value Percent:



Code: SSS

Description: **Surface Damage Surface Spalling**

Distance (ft): 101.0 Structural Grade: 2 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: **MWLS**

Description: **Miscellaneous Water Level Sag**

Distance (ft): 104.4 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: RFJ

Description: Roots Fine Joint

Distance (ft): 121.0
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 2
Clock To: 5

1st Value: 2nd Value: Value Percent:

Continuous Index: F03
Within 8" of Joint: YES

Remarks:



Code: CM

Description: Crack Multiple

Distance (ft): 127.6
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 12
Clock To: 2
1st Value:
2nd Value:

Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: **TFD**

Description: **Tap Factory Defective**

Distance (ft): 139.0 Structural Grade: 0 3 O&M Grade: Clock Start/From: 2

Clock To:

1st Value: 6.000

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: TAP CRACKED. ROOTS GROWING IN

THE JOINTS.



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

Distance (ft): 151.3 Structural Grade: 2 O&M Grade: 0

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**

Distance (ft): 155.9 Structural Grade: 2 0 O&M Grade:

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 10.000 **S05** Continuous Index: Within 8" of Joint: NO

Remarks:



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

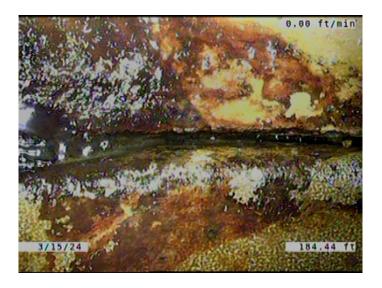
Distance (ft): 163.8 Structural Grade: 2 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 10.000 Continuous Index: F05 Within 8" of Joint: NO

Remarks:



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 184.4
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 7
Clock To: 11

1st Value: 2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: TF

Description: Tap Factory

Distance (ft): 185.4
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 2

Clock To:

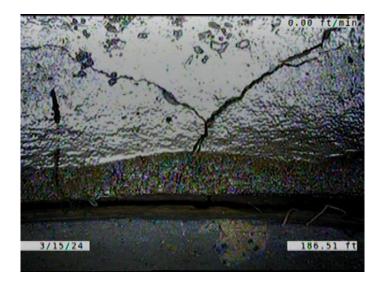
1st Value: **6.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: ROOTS GROWING FROM THE

JOINTS.



Code: **FM**

Description: Fracture Multiple

Distance (ft): 186.5
Structural Grade: 4
O&M Grade: 0
Clock Start/From: 10

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

Continuous Index: Within 8" of Joint:

Remarks:

YES

4



Code: RFJ

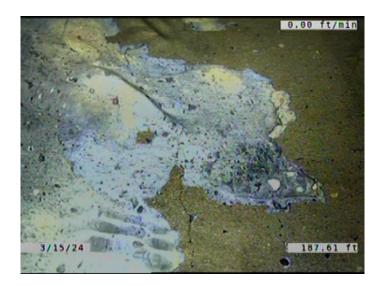
Description: Roots Fine Joint

Distance (ft): 186.5
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 12
Clock To: 3
1st Value:
2nd Value:

Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: SSS

Description: Surface Damage Surface Spalling

Distance (ft): 187.6
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 12
Clock To: 12

Clock To: 1st Value: 2nd Value:

Continuous Index: S06
Within 8" of Joint: YES

Remarks:

Value Percent:



Code: SSS

Description: Surface Damage Surface Spalling

Distance (ft): 194.2
Structural Grade: 2
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: AMH
Description: Manhole

Distance (ft): 198.5
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-706-044