Profile/Photo Observation Report



Date: 11/01/2022 Weather: **PACP 7.0** Coding: Pipe Length (ft): 146.0 Owner: **City of Hobart** Pre Clean: **Heavy Cleaning** P.O.#: YES502259 S. Bucklin PSR: P-504-012-011 Surveyor:

Customer: City of Hobart, IN (Red Clean Date: 10/20/2022 Shape: C

Street: South California Street Flow Control: Not Controlled

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

Purpose:Routine AssessmentDia/Height:12"Use:Sanitary Sewage PipeMaterial:VCP

Drain Area: Lining: **None**

Category: NA

Comment:

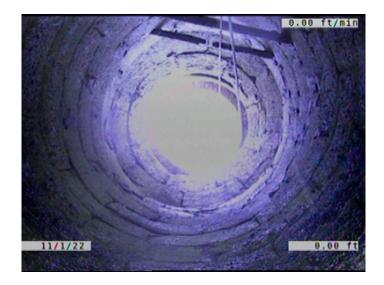
Location Details: Direction of Survey: **Downstream**

US MH: M-504-011 DS MH: M-504-012 Total Length Surveyed (ft): 143.3

1.77 **2J1B** 131.00 O&M Index: O&M Quick: O&M Rating: 2.75 4C34 162.00 Structural Quick: Structural Rating: Structural Index: 2.20 293.00 Overall Quick: Overall Rating: Overall Index:

	Position	Code	Observation	Video (sec)	Grade
1 (504-	011				
\mathcal{L}	0.	AMH	Manhole	1	NA
	0.	MWL	Miscellaneous Water Level	63	NA
	$\sqrt{\frac{1}{2.2}}$	DSF(S01)	Deposits Settled Fine	116	M 2
	6.8	MWLS(S02)	Miscellaneous Water Level Sag	165	S 2
ш	9.0	В	Broken	215	S 4
-	₹\\\ <u>\</u> 9.0	DAE	Deposits Attached Encrustation	234	M 2
н	9.8	DAGS	Deposits Attached Grease	282	M 2
ш	15.8	MWLS(F02)	Miscellaneous Water Level Sag	322	S 2
ш	16.6	FM	Fracture Multiple	357	S 4
ш	16.6	DAE	Deposits Attached Encrustation	368	M 2
ш	19.3	CM	Crack Multiple	418	S 3
	19.3	DAE(S03)	Deposits Attached Encrustation	452	M 2
	21.9	RFJ	Roots Fine Joint	491	M 1
	21.9	FM	Fracture Multiple	528	S 4
ш	31.4	MWLS	Miscellaneous Water Level Sag	577	S 2
ш	36.2	CL	Crack Longitudinal	617	S 2
	39.6	MWLS(S04)	Miscellaneous Water Level Sag	642	S 2
	42.4	RFJ	Roots Fine Joint	686	M 1
	53.0	RFJ	Roots Fine Joint	768	M 1

53.0	CM	Crack Multiple	800	S 3
1∭55.3	SSS(S12)	Surface Damage Surface Spalling	891	S 2
55.3	B(S05)	Broken	909	S 4
\\\ <u>57.0</u>	MWLS(F04)	Miscellaneous Water Level Sag	950	S 2
63.0	RFJ	Roots Fine Joint	1012	М
68.7	MWLS(S06)	Miscellaneous Water Level Sag	1049	S 2
77.3	MWLS(F06)	Miscellaneous Water Level Sag	1091	S 2
78.4	RFJ(S07)	Roots Fine Joint	1129	М
\\\80.6	MWLS(S08)	Miscellaneous Water Level Sag	1152	S 2
83.7	JAM	Joint Angular Medium	1203	S 3
92.5	MWLS(F08)	Miscellaneous Water Level Sag	1263	S 2
95.2	MWLS(S09)	Miscellaneous Water Level Sag	1283	S 2
97.3	TBI	Tap Break-in Intruding	1342	М
104.3	JAM	Joint Angular Medium	1421	S 3
119.0	DR(S10)	Deformed Rigid	1509	S 4
127.3	DR(F10)	Deformed Rigid	1602	S 4
127.3	SSS(F12)	Surface Damage Surface Spalling	1610	S 2
127.3	B(F05)	Broken	1613	S 4
135.3	SSS	Surface Damage Surface Spalling	1682	S 2
135.3	B(S11)	Broken	1721	S 4
140.1	DAR	Deposits Attached Ragging	1792	М
140.8	MWLS(F09)	Miscellaneous Water Level Sag	1812	S 2
141.7	RFJ(F07)	Roots Fine Joint	1830	М
141.7	DSF(F01)	Deposits Settled Fine	1839	М
J/// 141.7	DAE(F03)	Deposits Attached Encrustation	1846	М
141.7	B(F11)	Broken	1854	S 4
143.3	AMH	Manhole	1989	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-504-011



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:

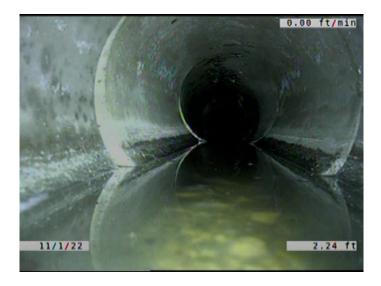
Value Percent: 5.000

Continuous Index:

Within 8" of Joint: NO

Remarks:

.



Code: **DSF**

Description: **Deposits Settled Fine**

Distance (ft): 2.2 Structural Grade: 0 2 O&M Grade: Clock Start/From: 5 Clock To: 7

1st Value: 2nd Value:

Value Percent: 5.000 Continuous Index: **S01** Within 8" of Joint: YES

Remarks:



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

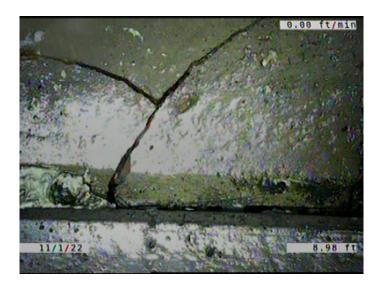
Distance (ft): 6.8 Structural Grade: 2 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 10.000 Continuous Index: **S02** Within 8" of Joint: NO

Remarks:



Code: Description: Broken

Distance (ft): 9.0 Structural Grade: 4 0 O&M Grade: Clock Start/From: 9 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): 9.0 Structural Grade: 0 O&M Grade: 2 Clock Start/From: 12 Clock To: 2 1st Value: 2nd Value:

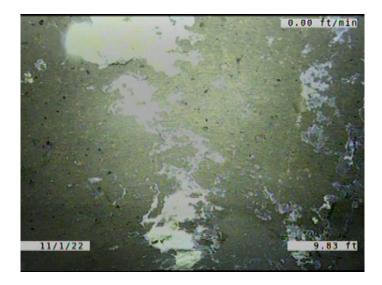
Value Percent: 5.000

Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: DAGS

Description: Deposits Attached Grease

Distance (ft): 9.8
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 10
Clock To: 2

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): 15.8
Structural Grade: 2
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 10.000
Continuous Index: F02
Within 8" of Joint: NO

Remarks:



Code: FΜ

Description: **Fracture Multiple**

Distance (ft): 16.6 Structural Grade: 4 0 O&M Grade: Clock Start/From: 9 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): 16.6 Structural Grade: 0 O&M Grade: 2 Clock Start/From: 11 Clock To: 2 1st Value:

Value Percent: 5.000

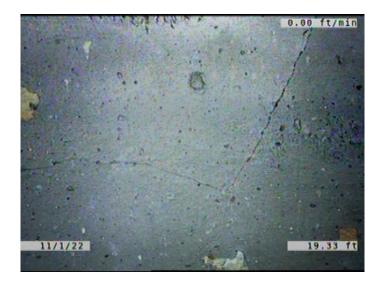
Continuous Index:

Within 8" of Joint:

Remarks:

2nd Value:

YES



Code: CM

Description: **Crack Multiple**

Distance (ft): 19.3 Structural Grade: 3 0 O&M Grade: Clock Start/From: 9 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): 19.3 Structural Grade: 0 O&M Grade: 2 Clock Start/From: 9 3 Clock To: 1st Value:

5.000 Value Percent: Continuous Index: S03 Within 8" of Joint: YES

Remarks:

2nd Value:



Code: RFJ

Description: Roots Fine Joint

Distance (ft): 21.9
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:

Remarks:

YES



Code: FM

Description: Fracture Multiple

Distance (ft): 21.9
Structural Grade: 4

O&M Grade: 0

Clock Start/From: 8

Clock To: 12

1st Value: 2

2nd Value:

Continuous Index:
Within 8" of Joint:

Remarks:

Value Percent:

YES



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

Distance (ft): 31.4 Structural Grade: 2 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



CL Code:

Description: **Crack Longitudinal**

Distance (ft): 36.2 Structural Grade: 2 O&M Grade: 0 Clock Start/From: 2 Clock To:

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

Within 8" of Joint: YES

Remarks:



Code: MWLS

Description: Miscellaneous Water Level Sag

Distance (ft): 39.6
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): 42.4
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 11
Clock To: 2
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: RFJ

Description: Roots Fine Joint

Distance (ft): 53.0
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 9
Clock To: 1

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

Within 8" of Joint:

Remarks:

YES



Code: CM

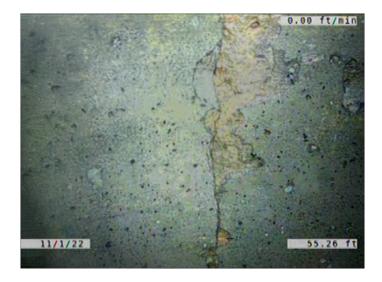
Description: Crack Multiple

Distance (ft): 53.0
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 9
Clock To: 12
1st Value:
2nd Value:

Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: SSS

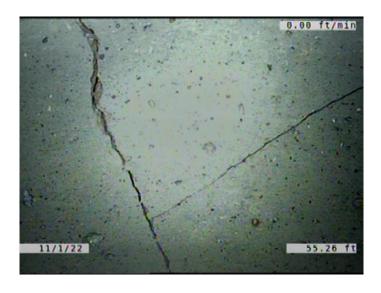
Description: Surface Damage Surface Spalling

Distance (ft): 55.3
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 8
Clock To: 4
1st Value:

1st Value: 2nd Value: Value Percent:

Continuous Index: S12
Within 8" of Joint: YES

Remarks:



Code: **B**

Description: Broken

Distance (ft): 55.3
Structural Grade: 4

O&M Grade: 0

Clock Start/From: 12

Clock To: 12

1st Value:

2nd Value: Value Percent: Continuous Index:

Continuous Index: S05
Within 8" of Joint: YES

Remarks:

arks:



Code: MWLS

Description: Miscellaneous Water Level Sag

Distance (ft): 57.0
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: RFJ

Description: Roots Fine Joint

Distance (ft): 63.0
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 8
Clock To: 2
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

Distance (ft): 68.7 Structural Grade: 2 0 O&M Grade:

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**

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

Clock Start/From:

Clock To: 1st Value: 2nd Value:

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

Remarks:



Code: RFJ

Description: **Roots Fine Joint**

Distance (ft): 78.4 Structural Grade: 0 O&M Grade: 1 Clock Start/From: 8 Clock To: 3

1st Value: 2nd Value: Value Percent:

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

Remarks:



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

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

Clock Start/From:

Clock To: 1st Value: 2nd Value:

10.000 Value Percent: Continuous Index: **S08** Within 8" of Joint: NO

Remarks:



Code: JAM

Description: Joint Angular Medium

Distance (ft): 83.7 Structural Grade: 3 0 O&M Grade:

Clock Start/From:

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

Within 8" of Joint:

Remarks:

NO



MWLS Code:

Description: **Miscellaneous Water Level Sag**

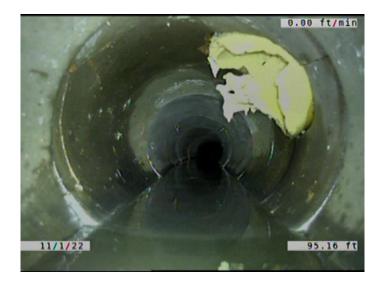
Distance (ft): 92.5 Structural Grade: 2 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

10.000 Value Percent: Continuous Index: F08 Within 8" of Joint: NO

Remarks:



Code: MWLS

Description: Miscellaneous Water Level Sag

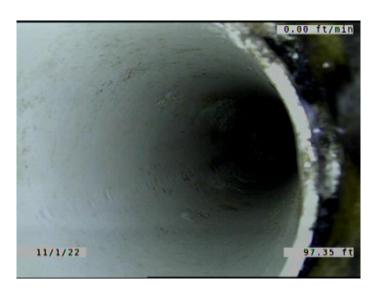
Distance (ft): 95.2
Structural Grade: 2
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 25.000
Continuous Index: S09
Within 8" of Joint: NO

Remarks:



Code: TBI

Description: Tap Break-in Intruding

Distance (ft): 97.3
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 2

Clock To:

 1st Value:
 4.000

 2nd Value:
 3.000

Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: JAM

Description: Joint Angular Medium

Distance (ft): 104.3 Structural Grade: 3 0 O&M Grade:

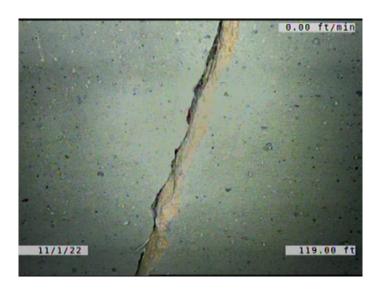
Clock Start/From:

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

Within 8" of Joint:

Remarks:

NO



DR Code:

Description: **Deformed Rigid**

Distance (ft): 119.0 Structural Grade: 4 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

5.000 Value Percent: Continuous Index: **S10** Within 8" of Joint: NO

Remarks:



Code: DR

Description: Deformed Rigid

Distance (ft): 127.3
Structural Grade: 4
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 5.000
Continuous Index: F10
Within 8" of Joint: NO

Remarks:



Code: SSS

Description: Surface Damage Surface Spalling

Distance (ft): 127.3
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 8
Clock To: 4
1st Value:
2nd Value:

Value Percent:
Continuous Index:

Continuous Index: F12
Within 8" of Joint: YES

Remarks:

verriarits.



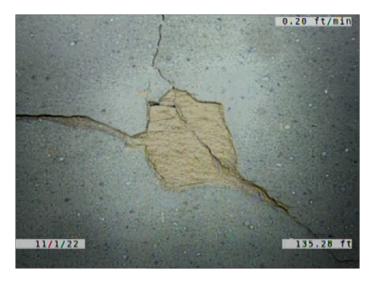
Code: B
Description: Broken

Distance (ft): 127.3
Structural Grade: 4
O&M Grade: 0
Clock Start/From: 12
Clock To: 12

1st Value: 2nd Value: Value Percent:

Continuous Index: F05
Within 8" of Joint: YES

Remarks:



Code: SSS

Description: Surface Damage Surface Spalling

Distance (ft): 135.3
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: NO

Remarks:



Code: Description: Broken

Distance (ft): 135.3 Structural Grade: 4 O&M Grade: 0 Clock Start/From: 12 Clock To: 12 1st Value:

2nd Value: Value Percent:

Continuous Index: **S11** Within 8" of Joint: YES

Remarks:



Code: DAR

Description: **Deposits Attached Ragging**

Distance (ft): 140.1 Structural Grade: 0 O&M Grade: 2 Clock Start/From: 5 7 Clock To: 1st Value:

Value Percent: 10.000

Continuous Index:

Within 8" of Joint: YES

Remarks:

2nd Value:



Code: MWLS

Description: Miscellaneous Water Level Sag

Distance (ft): 140.8
Structural Grade: 2
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 25.000
Continuous Index: F09
Within 8" of Joint: NO

Remarks:



Code: RFJ

Description: Roots Fine Joint

Distance (ft): 141.7
Structural Grade: 0

O&M Grade: 1

Clock Start/From: 8

Clock To: 3

1st Value: 2nd Value: Value Percent:

Continuous Index: F07
Within 8" of Joint: YES

Remarks:



Code: **DSF**

Description: Deposits Settled Fine

Distance (ft): 141.7
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 5
Clock To: 7

1st Value: 2nd Value:

Value Percent: 5.000
Continuous Index: F01
Within 8" of Joint: YES

Remarks:



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 141.7
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 9
Clock To: 3
1st Value:

2nd Value: Value Percent:

Value Percent: 5.000
Continuous Index: F03
Within 8" of Joint: YES

Remarks:

marks:



Code: B
Description: Broken

Distance (ft): 141.7
Structural Grade: 4

O&M Grade: 0

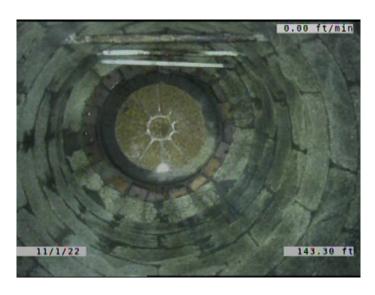
Clock Start/From: 12

Clock To: 12

1st Value: 2nd Value: Value Percent:

Continuous Index: F11
Within 8" of Joint: YES

Remarks:



Code: AMH
Description: Manhole

Distance (ft): 143.3
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-504-012