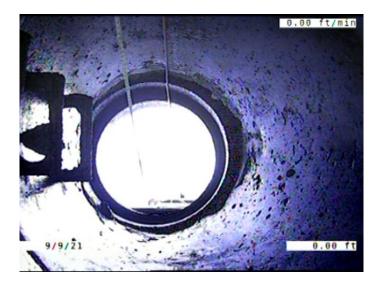
Profile/Photo Observation Report



					K U B U I I C 3
Date:	09/09/2021	Weather:		Coding:	PACP 7.0
Pipe Length (ft)	: 301.5	Owner:	City of Hobart	Pre Clean:	Heavy Cleaning
P.O.#:	YES502259	Surveyor:	S. Bucklin	PSR:	P-404-029-028
Customer:	City of Hobart	Clean Date:	09/09/2021	Shape:	С
Street:	North Clark Stree	et	Flow Control:	Not Controlle	d
City:	Hobart, IN		Year Renewed:		
Location:	Local rural street	s with light traffic	, t Tape/Media #:		
Purpose:	Routine Assessm	ent	Dia/Height:	12"	
Use:	Sanitary Sewage	Pipe	Material:	VCP	
Drain Area:			Lining:	None	
Category:	NA				
Comment:					
Location Details	s:		Direction of Survey:	Downstream	
US MH:	M-404-028	DS MH:	M-404-029	Total Length Surveyed (f	t): 301.5

O&M Index:	2.07	O&M Quick:	4231	O&M Rating:	120.00
Structural Index:	2.45	Structural Quick:	5142	Structural Rating:	54.00
Overall Index:	2.18	Overall Quick:	5144	Overall Rating:	174.00

	Position	Code	Observation	Video (sec)	Grade
40	4-028				
	.0	AMH	Manhole	3	NA
Camera Direction	0.	MWL	Miscellaneous Water Level	71	NA
	19.6	CM	Crack Multiple	212	S 3
	19.9	В	Broken	224	S 4
	19.9	RMC	Roots Medium Connection	250	M 3
	20.2	DAE	Deposits Attached Encrustation	281	M 2
	20.8	IRC	Infiltration Runner Connection	324	M 4
	20.8	TBI	Tap Break-in Intruding	338	M 2
	35.0	TFC	Tap Factory Capped	403	NA
	37.1	TF	Tap Factory	429	NA
	48.6	DSF(S01)	Deposits Settled Fine	478	M 2
	69.6	MWLS(S02)	Miscellaneous Water Level Sag	541	S 2
	78.3	MWLS(F02)	Miscellaneous Water Level Sag	573	S 2
	90.2	TF	Tap Factory	624	NA
	123.6	MWLS(S03)	Miscellaneous Water Level Sag	744	S 2
	136.1	MWLS(F03)	Miscellaneous Water Level Sag	786	S 2
	143.9	MWLS(S04)	Miscellaneous Water Level Sag	823	S 2
	157.6	MWLS(F04)	Miscellaneous Water Level Sag	875	S 2
	169.8	MWLS(S05)	Miscellaneous Water Level Sag	919	S 2
	198.3	MWLS(F05)	Miscellaneous Water Level Sag	1099	S 2
	/203.6	ISB	Infiltration Stain Barrel	1167	M 1
	// 203.8	IRB	Infiltration Runner Barrel	1188	M 4
	203.8	FM	Fracture Multiple	1252	S 4
	217.7	MWLS	Miscellaneous Water Level Sag	1316	S 2
	235.4	MWLS	Miscellaneous Water Level Sag	1383	S 2
	242.4	TBA	Tap Break-in Activity	1457	NA
	259.9	DAE	Deposits Attached Encrustation	1580	M 2
	259.9	FS	Fracture Spiral	1615	S 3
	269.8	MWLS	Miscellaneous Water Level Sag	1663	S 2
	295.8	CM	Crack Multiple	1775	S 3
	/300.7	HVV	Hole Void Visible	1866	S 5
	//301.5	DSF(F01)	Deposits Settled Fine	1897	M 2
Ш	301.5	AMH	Manhole	2031	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-404-028



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: CM

Description: **Crack Multiple**

Distance (ft): 19.6 Structural Grade: 3 O&M Grade: 0 Clock Start/From: 2 Clock To: 4

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

Within 8" of Joint:

Remarks:

NO



Code: В

Description: Broken

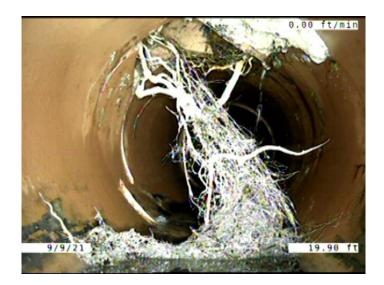
Distance (ft): 19.9 Structural Grade: 4 O&M Grade: 0 Clock Start/From: 8

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

Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:



9/9/21

Code: **RMC**

Description: **Roots Medium Connection**

Distance (ft): 19.9 Structural Grade: 0 3 O&M Grade: Clock Start/From: 10 Clock To: 1

1st Value: 2nd Value:

Value Percent: 10.000

Continuous Index:

Within 8" of Joint: NO

Remarks:

Code: DAE Description: **Deposits Attached Encrustation**

Distance (ft): 20.2 Structural Grade: 0

O&M Grade: 2 Clock Start/From: 11 2 Clock To:

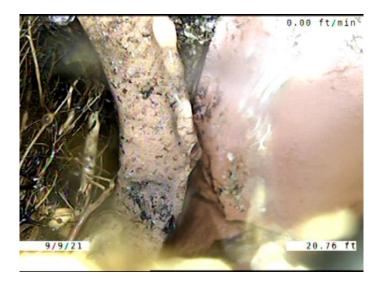
1st Value: 2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint: NO

Remarks:



Code: IRC

Description: Infiltration Runner Connection

Distance (ft): 20.8
Structural Grade: 0

O&M Grade: 4

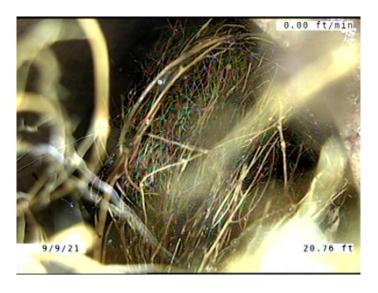
Clock Start/From: 1

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): 20.8
Structural Grade: 0

O&M Grade: 2

Clock Start/From: 12

Clock To:

 1st Value:
 4.000

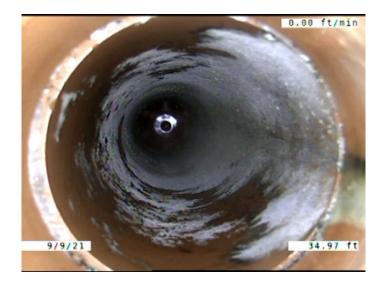
 2nd Value:
 1.000

Value Percent: Continuous Index:

Within 8" of Joint: NO

Remarks: LOOKS TO BE 100% PLUGGED WITH

ROOTS



Code: **TFC**

Description: Tap Factory Capped

Distance (ft): 35.0
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 2

Clock To:

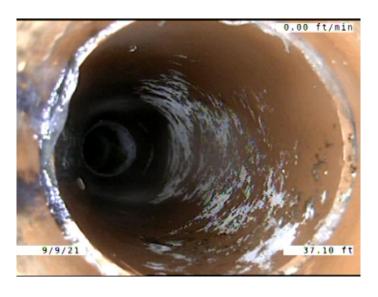
1st Value: **4.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: TF

Description: Tap Factory

Distance (ft): 37.1
Structural Grade: 0

O&M Grade: 0

Clock Start/From: 10

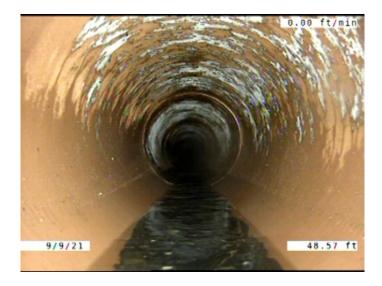
Clock To:

1st Value: **4.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: CONSTANTLY RUNNING WATER



Code: **DSF**

Description: Deposits Settled Fine

Distance (ft): 48.6
Structural Grade: 0

O&M Grade: 2

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): 69.6
Structural Grade: 2
O&M Grade: 0

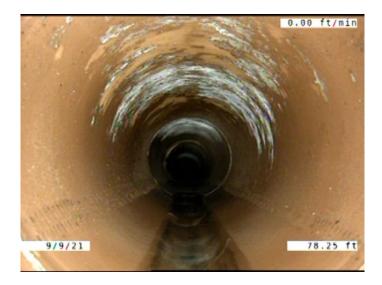
Clock Start/From:

Clock To: 1st Value: 2nd Value:

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

Remarks:

/VILIIIII 0



Code: MWLS

Description: Miscellaneous Water Level Sag

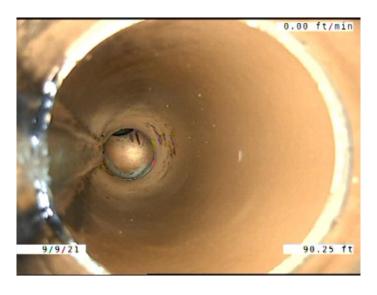
Distance (ft): 78.3
Structural Grade: 2
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

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

Remarks:



Code: TF

Description: Tap Factory

Distance (ft): 90.2
Structural Grade: 0

O&M Grade: 0

Clock Start/From: 10

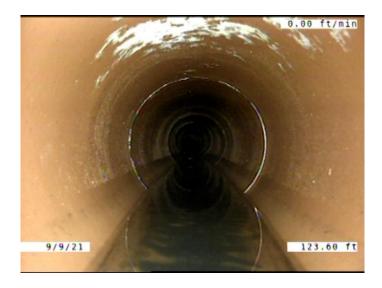
Clock To:

1st Value: **4.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: CONSTANTLY RUNNING WATER



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

Distance (ft): 123.6 Structural Grade: 2 0 O&M Grade:

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 5.000 Continuous Index: **S03** Within 8" of Joint: NO

Remarks:



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

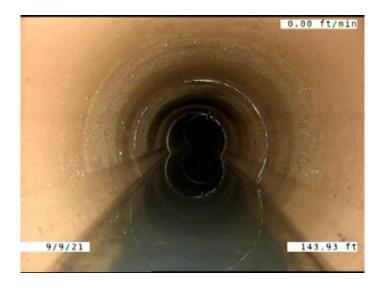
Distance (ft): 136.1 Structural Grade: 2 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 5.000 Continuous Index: F03 Within 8" of Joint: NO

Remarks:



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

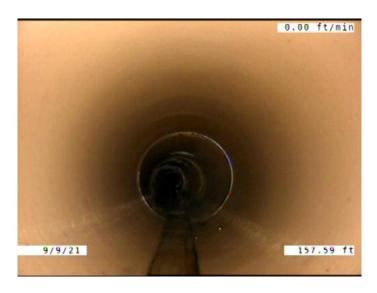
Distance (ft): 143.9 Structural Grade: 2 0 O&M Grade:

Clock Start/From:

Clock To: 1st Value: 2nd Value:

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

Remarks:



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

Distance (ft): 157.6 Structural Grade: 2 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

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

Remarks:



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

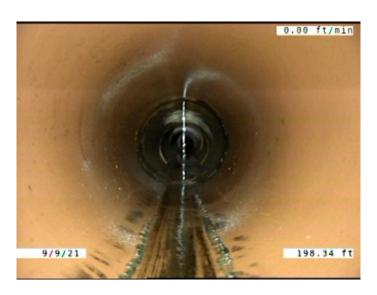
Distance (ft): 169.8 Structural Grade: 2 0 O&M Grade:

Clock Start/From:

Clock To: 1st Value: 2nd Value:

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

Remarks:



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

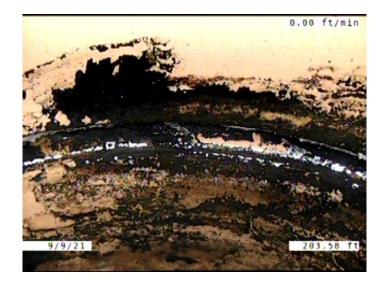
Distance (ft): 198.3 Structural Grade: 2 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

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

Remarks:



Code: ISB

Description: **Infiltration Stain Barrel**

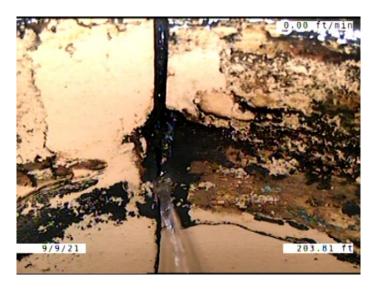
Distance (ft): 203.6 Structural Grade: 0 O&M Grade: 1 Clock Start/From: 7 Clock To: 5

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

Within 8" of Joint:

Remarks:

YES



IRB Code:

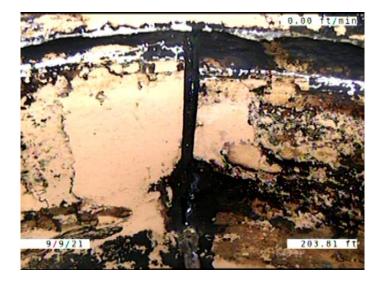
Description: **Infiltration Runner Barrel**

Distance (ft): 203.8 Structural Grade: 0 O&M Grade: Clock Start/From: 12

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

Within 8" of Joint: YES

Remarks:



Code: FΜ

Description: **Fracture Multiple**

Distance (ft): 203.8 Structural Grade: 4 O&M Grade: 0 Clock Start/From: 8 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): 217.7 Structural Grade: 2 O&M Grade: 0

Clock Start/From:

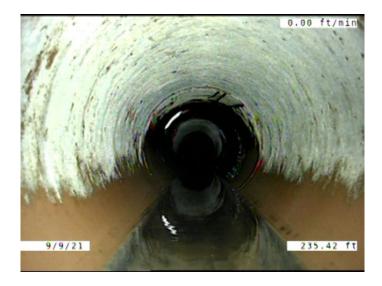
Clock To: 1st Value: 2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint: NO

Remarks:



Code: MWLS

Description: Miscellaneous Water Level Sag

Distance (ft): 235.4
Structural Grade: 2
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

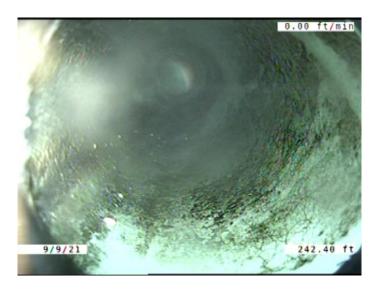
Value Percent: 5.000

Continuous Index:

Within 8" of Joint:

Remarks:

NO



Code: TBA

Description: Tap Break-in Activity

Distance (ft): 242.4
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 10

Clock To:

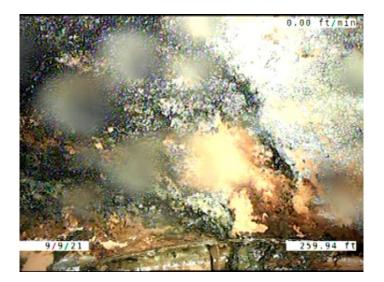
1st Value: **4.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

NO



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 259.9
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 7
Clock To: 4

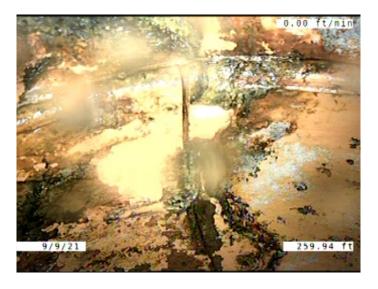
1st Value: 2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: FS

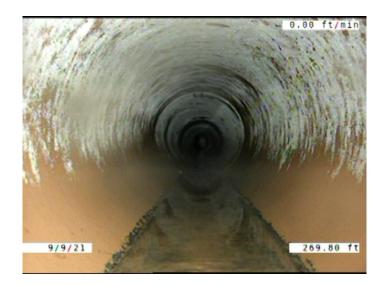
Description: Fracture Spiral

Distance (ft): 259.9
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 10
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): 269.8
Structural Grade: 2
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

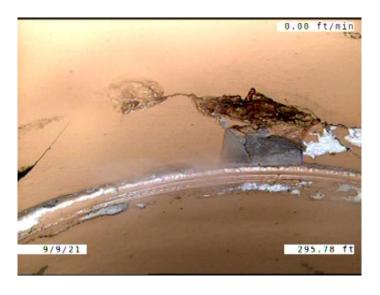
Value Percent: 5.000

Continuous Index:

Within 8" of Joint:

Remarks:

NO



Code: CM

Description: Crack Multiple

Distance (ft): 295.8
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 7
Clock To: 10
1st Value:
2nd Value:

Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: HVV

Description: **Hole Void Visible**

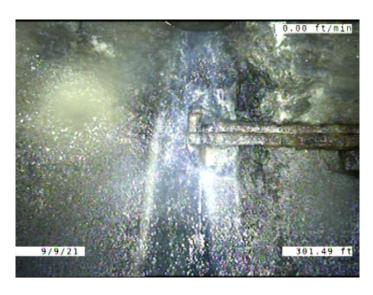
Distance (ft): 300.7 Structural Grade: 5 O&M Grade: 0 Clock Start/From: 4 7

Clock To: 1st Value: 2nd Value:

Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:



DSF Code:

Description: **Deposits Settled Fine**

Distance (ft): 301.5 Structural Grade: 0 O&M Grade: 2 Clock Start/From: 5 7 Clock To: 1st Value:

2nd Value:

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

Remarks:



Code: AMH
Description: Manhole

Distance (ft): 301.5
Structural Grade: 0
O&M Grade: 0

Clock Start/From:

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

Within 8" of Joint:

Remarks: M-404-029

NO