## **Profile/Photo Observation Report**

					KUBUIICS
Date:	04/19/2018	Weather:		Coding:	PACP 6.0
Pipe Length (ft)	: <b>402.0</b>	Owner:	NA	Pre Clean:	Not Known
P.O.#:		Surveyor:	Justin Gonzales	PSR:	P-805-056-055
Customer:		Clean Date:	01/01/1900	Shape:	с
Street:	Lillian St.	Flow Control:		Not Controlled	
City:	Hobart, IN		Year Renewed:		
Location:	Other		Tape/Media #:		
Purpose:	Not Known	Dia/Height:		12"	
Use:	Sanitary	Material:		VCP	
Drain Area:	NA		Lining:		
Category:	NA				
Comment:					
Location Details	:		Direction of Survey	: Downstream	
US MH:	M-805-056	DS MH: N	A-805-055	Total Length Surveyed (ft):	302.9
O&M Index:	1.72	O&M Quick:	4131	O&M Rating:	55.00
Structural Index:	2.74	Structural Quid	-k: 4636	Structural Rating:	52.00
Overall Index:	2.10	Overall Quick:	4737	Overall Rating:	107.00

	Position	Code	Observation	Video (sec)	Grade
M(805-	056				
$\rightarrow$	0. //	AMH	Manhole	10	NA
- 11	.0	MWL	Water Level	21	NA
- 88	\\	СМ	Crack Multiple	43	S 3
- 11	13.2	TF	Tap Factory	73	NA
- 11	31.6	TF	Tap Factory	125	NA
	35.8	FS	Fracture Spiral	147	S 3
	36.7	SSS	Surface Spalling	163	S 2
	46.1	CS	Crack Spiral	195	S 2
	52.0	FL	Fracture Longitudinal	218	S 3
5	70.8	RFJ	Roots Fine Joint	267	M 1
ecti	/71.2	FL	Fracture Longitudinal	280	S 3
Di	// 71.2	RFL	Roots Fine Lateral	291	M 1
Camera Direction	71.2	RFB	Roots Fine Barrel	302	M 2
Car	71.2	TFD	Tap Factory Defective	313	M 2
	\\75.0	FM	Fracture Multiple	333	S 4
	87.0	RFJ	Roots Fine Joint	368	M 1
↓ <b>†</b> †	91.3	FM	Fracture Multiple	387	S 4
-	95.0	CM	Crack Multiple	406	S 3
	95.0	RFJ	Roots Fine Joint	417	M 1

Tuesday, December 8, 2020

RedZone

103.2	RFJ	Roots Fine Joint	445	M 1
106.3	TF	Tap Factory	463	NA
107.7	FM	Fracture Multiple	478	S 4
111.6	FM	Fracture Multiple	498	S 4
150.4	FS	Fracture Spiral	587	S 3
165.4	TF	Tap Factory	629	NA
/ /187.2	CC	Crack Circumferential	684	S 1
/ 189.1	CC	Crack Circumferential	700	S 1
/ 193.5	FM	Fracture Multiple	720	S 4
207.7	RFJ	Roots Fine Joint	760	M 1
213.7	FC	Fracture Circumferential	784	S 2
220.8	TF	Tap Factory	809	NA
226.3	RFJ	Roots Fine Joint	832	M 1
230.7	FM	Fracture Multiple	852	S 4
232.6	CC	Crack Circumferential	867	S 1
233.7	DAGS(S01)	Deposits Attached Grease	881	M 2
242.3	RFJ	Roots Fine Joint	910	M 1
252.7	TFD	Tap Factory Defective	944	M 2
252.7	RFL	Roots Fine Lateral	955	M 1
257.4	CC	Crack Circumferential	977	S 1
260.5	MWL	Water Level	995	NA
269.6	RFJ	Roots Fine Joint	1024	M 1
272.6	MGO	General Observation	1041	NA
<u>    </u> 282.7	RFJ	Roots Fine Joint	1075	M 1
	RFJ	Roots Fine Joint	1098	M 1
294.7	RML	Roots Medium Lateral	1120	MB
	TFD	Tap Factory Defective	1131	M 2
²//// 295.5	MCU	Camera Underwater	1145	M 4
296.6	TBI	Tap Break-in Intruding	1158	M 2
298.6	TF	Tap Factory	1174	NA
299.5	DAGS(F01)	Deposits Attached Grease	1187	M
302.9	MSA	Abandoned Survey	1208	NA

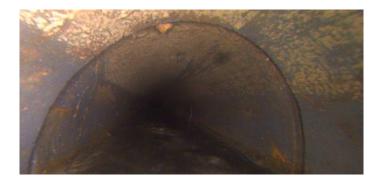


Code:	AMH
Description:	Manhole

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-805-056



Code: Description:	MWL Water Level
Distance (ft):	.0
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:	NO
Remarks:	



Code:	СМ
Description:	Crack Multiple

Distance (ft):	5.0
Structural Grade:	3
O&M Grade:	0
Clock Start/From:	8
Clock To:	11
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



Distance (ft):13.2Structural Grade:0O&M Grade:0Clock Start/From:10Clock To:11st Value:4.000
O&M Grade: <b>0</b> Clock Start/From: <b>10</b> Clock To:
Clock Start/From: <b>10</b> Clock To:
Clock To:
1st \/alue: <b>4 000</b>
1St Value. <b>4.000</b>
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks:



Code: Description:	TF Tap Factory
Distance (ft): Structural Grade:	31.6 0
O&M Grade:	0
Clock Start/From:	2
Clock To:	

Clock To:	
1st Value:	4.000
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	

		E.
		1.30

Code:	FS
Description:	Fracture Spiral
Distance (ft):	35.8
Structural Grade:	3
O&M Grade:	0
Clock Start/From:	7
Clock To:	9
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



Code:SSSDescription:Surface Spalling

Distance (ft):	36.7
Structural Grade:	2
O&M Grade:	0
Clock Start/From:	11
Clock To:	1
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



Code: Description:	CS Crack Spiral
Distance (ft): Structural Grade: O&M Grade: Clock Start/From: Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: Remarks:	46.1 2 0 9 11 YES
Remarks.	



Code:FLDescription:Fracture Longitudinal

Distance (ft):	52.0
Structural Grade:	3
O&M Grade:	0
Clock Start/From:	3
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



Code:	RFJ
Description:	<b>Roots Fine Joint</b>

Distance (ft):	70.8
Structural Grade:	0
O&M Grade:	1
Clock Start/From:	2
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



Code:FLDescription:Fracture Longitudinal

Distance (ft):	71.2
Structural Grade:	3
O&M Grade:	0
Clock Start/From:	12
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	
Remarks:	



Code:	RFL
Description:	<b>Roots Fine Lateral</b>
Distance (ft):	71.2
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:	NO



Code: Description:	RFB Roots Fine Barrel
Distance (ft):	71.2
Structural Grade:	0
O&M Grade:	2
Clock Start/From:	12
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	NO
Remarks:	



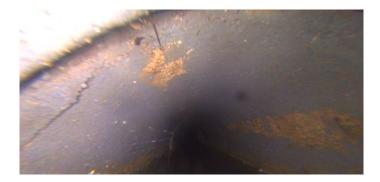
Code:	TFD
Description:	Tap Factory Defective
Distance (ft):	71.2
Structural Grade:	0
O&M Grade:	2
Clock Start/From:	1
Clock To:	
1st Value:	4.000
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	
Remarks:	ROOTS COMING FROM TAP



Distance (ft):	75.0
Structural Grade:	4
O&M Grade:	0
Clock Start/From:	3
Clock To:	4
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



Code: Description:	RFJ Roots Fine Joint
Distance (ft): Structural Grade: O&M Grade: Clock Start/From: Clock To: 1st Value: 2nd Value: Value Percent:	87.0 0 1 9 12
Continuous Index: Within 8" of Joint: Remarks:	YES



Distance (ft):	91.3
Structural Grade:	4
O&M Grade:	0
Clock Start/From:	9
Clock To:	11
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



Code: Description:	CM Crack Multiple
Distance (ft):	95.0
Structural Grade:	3
O&M Grade:	0
Clock Start/From:	8
Clock To:	1
1st Value:	
2nd Value:	

Value Percent: Continuous Index: Within 8" of Joint:



Code:	RFJ
Description:	Roots Fine Joint

Distance (ft):	95.0
Structural Grade:	0
O&M Grade:	1
Clock Start/From:	1
Clock To:	3
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	

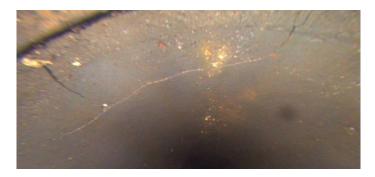


Code:	RFJ
Description:	<b>Roots Fine Joint</b>
Distance (ft):	103.2
Structural Grade:	0
O&M Grade:	1
Clock Start/From:	11
Clock To:	1
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



Code:	TF
Description:	Tap Factory

Distance (ft):	106.3
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:	



Code:	FM
Description:	Fracture Multiple
Distance (ft):	107.7
Structural Grade:	4
O&M Grade:	0
Clock Start/From:	10
Clock To:	12
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



Distance (ft):	111.6
Structural Grade:	4
O&M Grade:	0
Clock Start/From:	11
Clock To:	1
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	

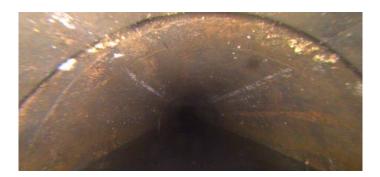


FS Fracture Spiral
150.4
3
0
8
12
YES



Code:	TF
Description:	Tap Factory

Distance (ft):	165.4
Structural Grade:	0
O&M Grade:	0
Clock Start/From:	1
Clock To:	
1st Value:	4.000
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	
Remarks:	



Code: Description:	CC Crack Circumferential
Distance (ft):	187.2
Structural Grade:	1
O&M Grade:	0
Clock Start/From:	10
Clock To:	12
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES



Code:CCDescription:Crack Circumferential

Distance (ft):	189.1
Structural Grade:	1
O&M Grade:	0
Clock Start/From:	9
Clock To:	1
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



Code:	FM
Description:	Fracture Multiple
Distance (ft):	193.5
Structural Grade:	4
O&M Grade:	0
Clock Start/From:	10
Clock To:	1
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	

YES

Within 8" of Joint:



Code:**RFJ**Description:**Roots Fine Joint** 

Distance (ft):	207.7
Structural Grade:	0
O&M Grade:	1
Clock Start/From:	12
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



Code: Description:	FC Fracture Circumferential
Distance (ft):	212 7
Distance (ft): Structural Grade:	213.7 2
O&M Grade:	0
Clock Start/From:	10
Clock To:	1
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	

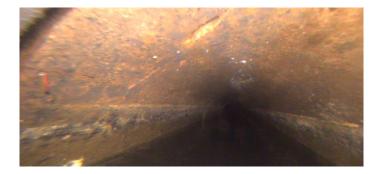


Code:	TF
Description:	Tap Factory

Distance (ft):	220.8
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:	



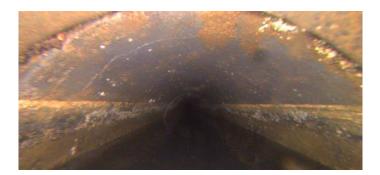
Code:	RFJ
Description:	<b>Roots Fine Joint</b>
	226.2
Distance (ft):	226.3
Structural Grade:	0
O&M Grade:	1
Clock Start/From:	1
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



Distance (ft):	230.7
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:	YES
Remarks:	

Value Percent: Continuous Index: Within 8" of Joint:

Remarks:



Code:	CC
Description:	Crack Circumferential
Distance (ft):	232.6
Structural Grade:	1
O&M Grade:	0
Clock Start/From:	10
Clock To:	12
1st Value:	
2nd Value:	

YES



Code:DAGSDescription:Deposits Attached Grease

Distance (ft):	233.7
Structural Grade:	0
O&M Grade:	2
Clock Start/From:	8
Clock To:	4
1st Value:	
2nd Value:	
Value Percent:	5.000
Continuous Index:	S01
Within 8" of Joint:	NO
Remarks:	



Code:	RFJ
Description:	<b>Roots Fine Joint</b>

Distance (ft):	242.3
Structural Grade:	0
O&M Grade:	1
Clock Start/From:	1
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



Code: TFD Description: **Tap Factory Defective** Distance (ft): 252.7 Structural Grade: 0 O&M Grade: 2 Clock Start/From: 2 Clock To: 1st Value: 4.000 2nd Value: Value Percent: Continuous Index:

rfl

RFL



Description:	Roots Fine Lateral
Distance (ft):	252.7
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:	NO

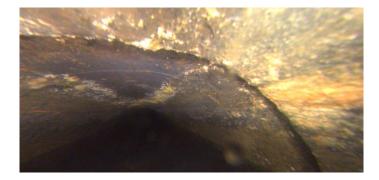
Within 8" of Joint:

Remarks:

Code:

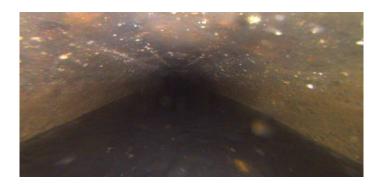
Remarks:

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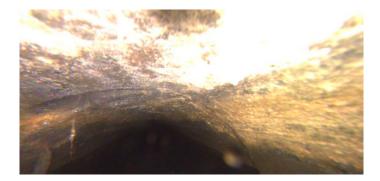


Code:CCDescription:Crack Circumferential

Distance (ft):	257.4
Structural Grade:	1
O&M Grade:	0
Clock Start/From:	11
Clock To:	3
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	
Remarks:	



Code: Description:	MWL Water Level
Distance (ft): Structural Grade: O&M Grade:	260.5 0 0
Clock Start/From: Clock To:	0
1st Value: 2nd Value: Value Percent:	15.000
Continuous Index: Within 8" of Joint:	NO
Remarks:	



Code:RFJDescription:Roots Fine Joint

Distance (ft):	269.6
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:	

Code:



Description:	General Observation
Distance (ft):	272.6
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:	FRONT LENS OBSTRUCTED

MGO



Code: Description:	RFJ Roots Fine Joint
Distance (ft):	282.7
Structural Grade:	0
O&M Grade:	1
Clock Start/From:	1
Clock To:	
1st Value:	

Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



Code: Description:	RFJ Roots Fine Joint
Distance (ft):	289.1
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:	YES
Remarks:	



Code:RMLDescription:Roots Medium Lateral

Distance (ft):	294.7
Structural Grade:	0
O&M Grade:	3
Clock Start/From:	2
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	5.000
Continuous Index:	
Within 8" of Joint:	NO
Remarks:	

Code:



Tap Factory Defective
294.7
0
2
2
4.000
ROOTS BLOCKING MOUTH OF TAP

TFD



Code: Description: MCU Camera Underwater

Distance (ft):295.5Structural Grade:0O&M Grade:4Clock Start/From:4Clock To:11st Value:22nd Value:4Value Percent:4Continuous Index:NORemarks:1

Code:	тві
Description:	Tap Break-in Intruding
Distance (ft):	200 0
Distance (ft):	296.6
Structural Grade:	0
O&M Grade:	2
Clock Start/From:	1
Clock To:	
1st Value:	4.000
2nd Value:	1.000
Value Percent:	

Continuous Index: Within 8" of Joint:



Code:	TF
Description:	Tap Factory

Distance (ft):	298.6
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:	



Code:	DAGS
Description:	Deposits Attached Grease

Distance (ft):	299.5
Structural Grade:	0
O&M Grade:	2
Clock Start/From:	8
Clock To:	4
1st Value:	
2nd Value:	
Value Percent:	5.000
Continuous Index:	F01
Within 8" of Joint:	NO
Remarks:	



Code: Description: MSA Abandoned Survey

Distance (ft):	302.9
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:	MCU