Profile/Photo Observation Report					
Date: Pipe Length (ft) P.O.#: Customer:	04/19/2018 1: 332.8	Weather: Owner: Surveyor: Clean Date:	NA Curtis Montgome 01/01/1900	Coding: Pre Clean: PSR: Shape:	PACP 6.0 No Pre-Cleaning P-405-035-031 C
Street:	ALLEY BETWEEN S	OFTWOOD DR & C	Flow Control:	Not Controlled	
City:	Hobart, IN		Year Renewed:		
Location:	Yard		Tape/Media #:		
Purpose:	Routine Assessme	nt	Dia/Height:	8"	
Use:	Sanitary		Material:	VCP	
Drain Area:	NA		Lining:		
Category:	NA				
Comment:	P_C at 147 roots				
Location Detail	s:		Direction of Survey	c: Upstream	
US MH:	M-405-031	DS MH:	M-405-035	Total Length Surveyed (ft)	: 148.5
O&M Index:	2.60	O&M Quick:	4237	O&M Rating:	39.00
Structural Index:	2.57	Structural Qui	ck: 4136	Structural Rating:	36.00
Overall Index:	2.59	Overall Quick:	433A	Overall Rating:	75.00

	Position	Code	Observation	Video (sec)	Grade
M(405-)	035				
\mathbf{i}	0. //	AMH	Manhole	10	NA
	\\.0	MWL	Water Level	20	NA
	\3.8	TF	Tap Factory	38	NA
	9.5	FL	Fracture Longitudinal	60	S 3
	1	IS	Infil Stain	70	NA
	\\ <u>9.5</u>	CS	Crack Spiral	81	S 2
	12.4	CS	Crack Spiral	97	S 2
	\\\	СМ	Crack Multiple	120	S 3
	\\\21.3	IS	Infil Stain	136	NA
5	\\\24.4	СМ	Crack Multiple	152	S 3
	27.4	CS	Crack Spiral	169	S 2
	33.7	TBI	Tap Break-in Intruding	192	M 2
	39.5	MMC	Material Change	214	NA
	41.3	TF	Tap Factory	228	NA
	48.8	TF	Tap Factory	254	NA
	51.6	MMC	Material Change	270	NA
	57.5	CS	Crack Spiral	292	S 2
	60.6	CM	Crack Multiple	309	S 3
	//63.5	DAE	Deposits Attached Encrustation	326	M 2

Thursday, November 16, 2023

63.5	IW	Infil Weeper	336	M
69.7	Н	Hole	359	S 3
/ 78.7	FM	Fracture Multiple	388	S 4
78.7	DAE	Deposits Attached Encrustation	398	Μ
// 85.0	TF	Tap Factory	421	NA
93.0	MMC	Material Change	448	NA
97.0	MMC	Material Change	466	NA
102.5	RFJ	Roots Fine Joint	487	Μ
105.5	RMJ	Roots Medium Joint	503	M
108.6	CL	Crack Longitudinal	520	S 2
111.6	CL	Crack Longitudinal	536	S 2
111.8	IS	Infil Stain	548	NA
117.5	MWL	Water Level	570	NA
117.5	RMJ	Roots Medium Joint	580	Μ
120.5	RMJ	Roots Medium Joint	597	M
124.5	ТВ	Tap Break-in	616	NA
126.7	RFJ	Roots Fine Joint	631	М
126.7	CM	Crack Multiple	641	S 3
127.4	TFC	Tap Factory Capped	653	NA
129.6	RBJ	Roots Ball Joint	668	Μ
//131.9	MGO	General Observation	684	NA
//133.4	CS	Crack Spiral	699	S 2
//133.4	RMJ	Roots Medium Joint	710	M
/ 133.4	MWL	Water Level	720	NA
136.7	RBJ	Roots Ball Joint	737	M
139.6	RMJ	Roots Medium Joint	754	M
145.7	RMJ	Roots Medium Joint	776	M
/ 147.5	RMJ	Roots Medium Joint	792	M
148.5	MSA	Abandoned Survey	809	NA



Code:	AMH
Description:	Manhole
Distance (ft)	0
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-405-035



Code:	MWL
Description:	Water Level
Distance (ft):	.0
Structural Grade:	0
O&M Grade: Clock Start/From: Clock To:	0
1st Value: 2nd Value:	
Value Percent: Continuous Index:	5.000
Within 8" of Joint:	NO
Remarks:	M-405-031



Code:	TF
Description:	Tap Factory
	• •
Distance (ft):	3.8
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:	
Remarks:	



Code: Description:	FL Fracture Longitudinal
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:	9.5 3 0 2 YES
Remarks:	



Code:	IS
Description:	Infil Stain
Distance (ft):	9.5
Structural Grade:	0
O&M Grade:	0
Clock Start/From:	2
Clock To:	5
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:	9.5 2 0 8 9
Within 8" of Joint: Remarks:	YES



Code:	CS
Description:	Crack Spiral
Distance (ft):	12.4
Structural Grade:	2
O&M Grade:	0
Clock Start/From:	9
Clock To:	10
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



Code: Description:	CM Crack Multiple
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:	18.4 3 0 9 4 YES



Code:	IS
Description:	Infil Stain
Distance (ft):	21.3
Structural Grade:	0
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:	



Code: Description:	CM Crack Multiple
Distance (ft):	24.4
Structural Grade:	3
O&M Grade:	0
Clock Start/From:	10
Clock To:	4
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



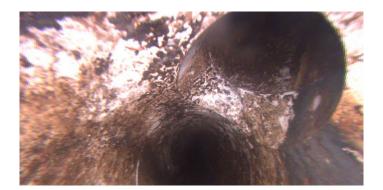
Code:	CS
Description:	Crack Spiral
Distance (ft):	27.4
Structural Grade:	2
O&M Grade:	0
Clock Start/From:	8
Clock To:	11
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



Code: Description:	TBI Tap Break-in Intruding
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:	33.7 0 2 10 6.000 2.000



Code: Description:	MMC Material Change
Distance (ft):	39.5
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:	vcp to pvc

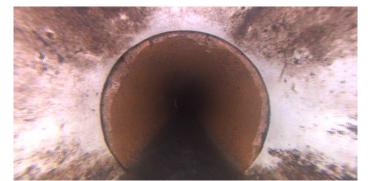


Code: Description:	TF Tap Factory
Distance (ft):	41.3
Structural Grade:	0
O&M Grade:	0
Clock Start/From:	1
Clock To:	
1st Value:	6.000
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	
Remarks:	



Code:	TF
Description:	Tap Factory
Distance (ft):	48.8
Structural Grade:	0
O&M Grade:	0
Clock Start/From:	9
Clock To:	
1st Value:	6.000
2nd Value:	
Value Percent:	

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



Code: Description:	MMC Material Change
Distance (ft):	51.6
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:	pvc to vcp



Code:	CS
Description:	Crack Spiral
Distance (ft):	57.5
Structural Grade:	2
O&M Grade:	0
Clock Start/From:	2
Clock To:	5
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	

Within 8" of Joint:

Remarks:

Code:



Description:	Crack Multiple
Distance (ft): Structural Grade: O&M Grade: Clock Start/From:	60.6 3 0 5
Clock To:	8
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint: Remarks:	YES

YES

СМ



Code:DAEDescription:Deposits Attached Encrustation

Distance (ft):	63.5
Structural Grade:	0
O&M Grade:	2
Clock Start/From:	3
Clock To:	5
1st Value:	
2nd Value:	
Value Percent:	5.000
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



Code: Description:	IW Infil Weeper
Distance (ft): Structural Grade: O&M Grade: Clock Start/From: Clock To: 1st Value: 2nd Value:	63.5 0 2 3 5
Value Percent: Continuous Index: Within 8" of Joint: Remarks:	YES



Code:	н
Description:	Hole
Distance (ft):	60.7
Distance (ft):	69.7
Structural Grade:	3
O&M Grade:	0
Clock Start/From:	7
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



Code: Description:	FM Fracture Multiple
Distance (ft):	78.7
Structural Grade:	4
O&M Grade:	0
Clock Start/From:	10
Clock To:	5
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



Code:DAEDescription:Deposits Attached Encrustation

Distance (ft):	78.7
Structural Grade:	0
O&M Grade:	2
Clock Start/From:	2
Clock To:	4
1st Value:	
2nd Value:	
Value Percent:	5.000
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



Code: Description:	TF Tap Factory
Distance (ft):	85.0
Structural Grade:	0
O&M Grade:	0
Clock Start/From:	10
Clock To:	
1st Value:	6.000
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	
Remarks:	



Code: MMC Description: **Material Change** Distance (ft): 93.0 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

vcp to pvc

MMC

pvc to vcp

Remarks:

Code:

Remarks:

Description:	Material Change
Distance (ft):	07.0
Distance (ft):	97.0
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



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

Distance (ft):	102.5
Structural Grade:	0
O&M Grade:	1
Clock Start/From:	7
Clock To:	4
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	

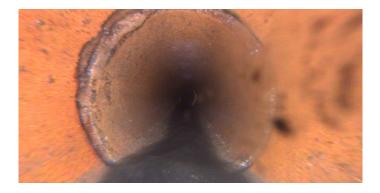
Continuous Index: Within 8" of Joint:

Remarks:



Code:	RMJ
Description:	Roots Medium Joint
Distance (ft):	105.5
Structural Grade:	0
O&M Grade:	3
Clock Start/From:	8
Clock To:	4
1st Value:	
2nd Value:	
Value Percent:	50.000

YES



Code:CLDescription:Crack Longitudinal

Distance (ft):	108.6
Structural Grade:	2
O&M Grade:	0
Clock Start/From:	9
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



Code: Description:	CL Crack Longitudinal
Distance (ft):	111.6
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:	YES
Remarks:	



Code:	IS
Description:	Infil Stain
Dictores (ft)	111.8
Distance (ft):	111.8
Structural Grade:	0
O&M Grade:	0
Clock Start/From:	12
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES

Remarks:



Code: Description:	MWL Water Level
Distance (ft):	117.5
Structural Grade:	0
O&M Grade:	0
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	25.000
Continuous Index:	
Within 8" of Joint:	NO
Remarks:	

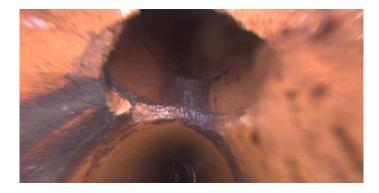


Code:RMJDescription:Roots Medium Joint

Distance (ft):	117.5
Structural Grade:	0
O&M Grade:	3
Clock Start/From:	8
Clock To:	4
1st Value:	
2nd Value:	
Value Percent:	20.000
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



Code: Description:	RMJ Roots Medium Joint
Distance (ft):	120.5
Structural Grade:	0
O&M Grade:	3
Clock Start/From:	8
Clock To:	4
1st Value:	
2nd Value:	
Value Percent:	50.000
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



Code: Description:	TB Tap Break-in
Distance (ft):	124.5
Structural Grade:	0
O&M Grade:	0
Clock Start/From:	12

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

Remarks:



Code:	RFJ
Description:	Roots Fine Joint
Distance (ft):	126.7
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



Code:	СМ
Description:	Crack Multiple

Distance (ft):	126.7
Structural Grade:	3
O&M Grade:	0
Clock Start/From:	11
Clock To:	2
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



Code: Description:	TFC Tap Factory Capped
Distance (ft): Structural Grade: O&M Grade: Clock Start/From: Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index:	127.4 0 0 2 6.000
Within 8" of Joint: Remarks:	



Code:**RBJ**Description:**Roots Ball Joint**

Distance (ft):	129.6
Structural Grade:	0
O&M Grade:	4
Clock Start/From:	8
Clock To:	4
1st Value:	
2nd Value:	
Value Percent:	55.000
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



Code: Description:	MGO General Observation
Distance (ft):	131.9
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:	switching to rear view



Code:	CS
Description:	Crack Spiral

Distance (ft):	133.4
Structural Grade:	2
O&M Grade:	0
Clock Start/From:	9
Clock To:	2
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



Code:	RMJ
Description:	Roots Medium Joint
Distance (ft):	133.4
Structural Grade:	0
O&M Grade:	3
Clock Start/From:	9
Clock To:	3
1st Value:	
2nd Value:	
Value Percent:	20.000
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



Code:	MWL
Description:	Water Level

Distance (ft):	133.4
Structural Grade:	0
O&M Grade:	0
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	35.000
Continuous Index:	
Within 8" of Joint:	NO
Remarks:	



Code: Description:	RBJ Roots Ball Joint
Distance (ft): Structural Grade: O&M Grade: Clock Start/From: Clock To: 1st Value: 2nd Value: Value Percent:	136.7 0 4 8 4 55.000
Continuous Index: Within 8" of Joint: Remarks:	YES

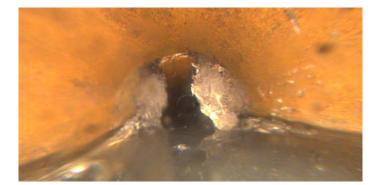


Code:RMJDescription:Roots Medium Joint

Distance (ft):	139.6
Structural Grade:	0
O&M Grade:	3
Clock Start/From:	8
Clock To:	4
1st Value:	
2nd Value:	
Value Percent:	20.000
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	

Code:

Description:



Distance (ft):	145.7
Structural Grade:	0
O&M Grade:	3
Clock Start/From:	8
Clock To:	4
1st Value:	
2nd Value:	
Value Percent:	30.000
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	

RMJ

Roots Medium Joint



Code:RMJDescription:Roots Medium Joint

Distance (ft):	147.5
Structural Grade:	0
O&M Grade:	3
Clock Start/From:	8
Clock To:	11
1st Value:	
2nd Value:	
Value Percent:	25.000
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



Code:	
Description:	

MSA Abandoned Survey

Distance (ft):	148.5
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:	cannot pass RMJ