Profile/Photo Observation Report

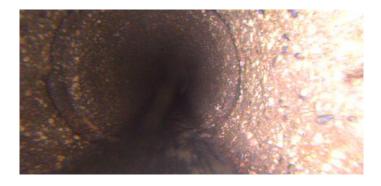
						RUBUIIUS
Date:	04/22/2018	Weather:			Coding:	PACP 6.0
Pipe Length (ft)	: 329.5	Owner:	NA		Pre Clean:	No Pre-Cleaning
P.O.#:		Surveyor:	Byrd Fi	tzgerald	PSR:	P-504-053-052
Customer:		Clean Date	e: 01/01/	1900	Shape:	C
Street:	W HOME AVE		Flow Cor	ntrol:	Not Controlled	
City:	Hobart, IN		Year Rer	ewed:		
Location:	Light Highway		Tape/Me	edia #:		
Purpose:	Routine Assessme	nt	Dia/Heig	ht:	12"	
Use:	Sanitary		Material	:	СР	
Drain Area:	NA		Lining:			
Category:	NA					
Comment:	P_C at 298ft nothi	ng visible . Flov	direction w	rong		
Location Details	5:		Direction	n of Survey:	Upstream	
US MH:	M-504-052	DS MH:	M-504-05	3	Total Length Surveyed (ft)	: 299.1
O&M Index:	1.43	O&M Quicl	c:	322C	O&M Rating:	86.00
Structural Index:	2.34	Structural (423U	Structural Rating:	396.00
Overall Index:	2.10	Overall Qui		423U	Overall Rating:	482.00

	Position	Code	Observation	Video (sec)	Grade
M(504-	053				
\sim	0.	AMH	Manhole	10	NA
	.0	MWL	Water Level	21	NA
	.0	SAV(S01)	Surface Aggregate Visible	33	S 3
	17.5	CC	Crack Circumferential	80	S 1
	26.1	CC(S02)	Crack Circumferential	110	S 1
	46.8	CL	Crack Longitudinal	164	S 2
	/ 49.0	CM(S04)	Crack Multiple	181	S 3
	/ 52.3	MMC	Material Change	200	NA
	57.8	TF	Tap Factory	224	NA
<u>ج</u>	61.1	TF	Tap Factory	242	NA
Camera Direction	92.0	TF	Tap Factory	318	NA
Di	93.9	RPR	Repair Point Pipe Replaced	337	NA
nera	95.3	MMC	Material Change	354	NA
Can	// 95.3	TF	Tap Factory	367	NA
	106.7	ТВА	Tap Break-in Active	401	NA
	/ 122.4	MGO	General Observation	444	NA
↓ I	/ 126.8	RFJ	Roots Fine Joint	465	M 1
	///130.1	FM	Fracture Multiple	485	S 4
	///130.1	TF	Tap Factory	496	NA

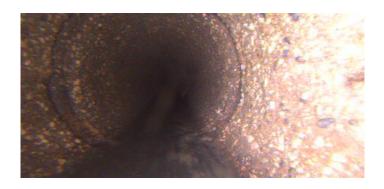
Thursday, November 16, 2023

RedZone

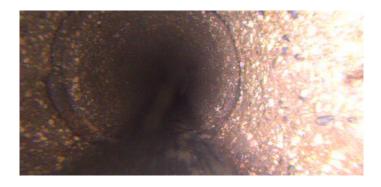
/// 130.1	RML	Roots Medium Lateral	507	MS
130.1	MMC	Material Change	520	NA
131.6	RFJ(SO3)	Roots Fine Joint	535	M
133.2	TF	Tap Factory	551	NA
133.2	TF	Tap Factory	564	NA
151.1	TF	Tap Factory	614	NA
151.1	RFC	Roots Fine Connection	625	M
167.1	MMC	Material Change	671	NA
167.1	TF	Tap Factory	684	NA
168.6	FM	Fracture Multiple	699	S 4
170.3	TF	Tap Factory	716	NA
170.3	MMC	Material Change	729	NA
$\left\langle \right\rangle 177.1$	RFB	Roots Fine Barrel	754	M
\\192.1	DSZ(S05)	Deposits Settled Other	796	M
203.3	TF	Tap Factory	831	NA
204.5	MMC	Material Change	845	NA
240.1	MMC	Material Change	929	NA
/240.1	TF	Tap Factory	940	NA
// 242.6	TF	Tap Factory	957	NA
244.3	MMC	Material Change	973	NA
280.5	TF	Tap Factory	1058	NA
280.5	RML	Roots Medium Lateral	1070	M
282.4	TF	Tap Factory	1086	NA
299.1	MSA	Abandoned Survey	1131	NA
299.1	SAV(F01)	Surface Aggregate Visible	1142	S 3
299.1	CC(F02)	Crack Circumferential	1153	S 1
<u> </u> /299.1	CM(F04)	Crack Multiple	1164	S 3
/ 299.1	RFJ(F03)	Roots Fine Joint	1175	M
299.1	DSZ(F05)	Deposits Settled Other	1186	M



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-504-053



Code:	MWL
Description:	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:	



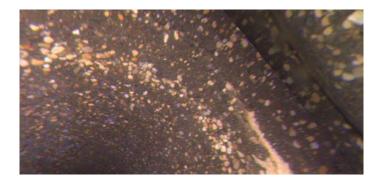
Code:SAVDescription:Surface Aggregate Visible

Distance (ft):	.0
Structural Grade:	3
O&M Grade:	0
Clock Start/From:	7
Clock To:	5
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	S01
Within 8" of Joint:	NO
Remarks:	

Within 8" of Joint:



Code: Description:	CC Crack Circumferential
Distance (ft):	17.5
Structural Grade:	1
O&M Grade:	0
Clock Start/From:	7
Clock To:	5
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	



Code:CCDescription:Crack Circumferential

Distance (ft):	26.1
Structural Grade:	1
O&M Grade:	0
Clock Start/From:	7
Clock To:	5
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	S02
Within 8" of Joint:	
Remarks:	



Code:	CL
Description:	Crack Longitudinal
Distance (ft):	16.8

Distance (ft):	46.8	
Structural Grade:	2	
O&M Grade:	0	
Clock Start/From:	3	
Clock To:		
1st Value:		
2nd Value:		
Value Percent:		
Continuous Index:		
Within 8" of Joint:		
Remarks:		



Code:CMDescription:Crack Multiple

Distance (ft):	49.0
Structural Grade:	3
O&M Grade:	0
Clock Start/From:	7
Clock To:	5
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	S04
Within 8" of Joint:	
Remarks:	wandering



Code:	ММС
Description:	Material Change
Distance (ft):	52.3
Structural Grade:	0
O&M Grade:	0
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	

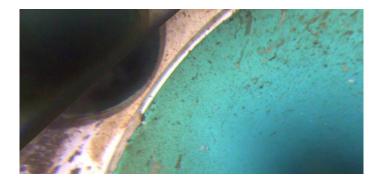
NO

pvc

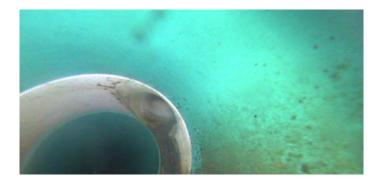
Within 8" of Joint:



Code:	TF
Description:	Tap Factory
D (1)	
Distance (ft):	57.8
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:	YES
Remarks:	

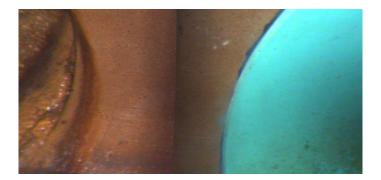


Code: Description:	TF Tap Factory
Distance (ft):	61.1
Structural Grade:	0
O&M Grade:	0
Clock Start/From:	11
Clock To:	
1st Value:	4.000
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



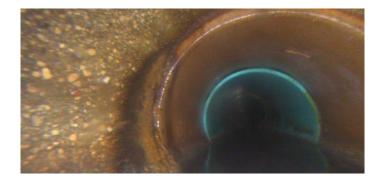
Code:	TF
Description:	Tap Factory
Distance (ft):	92.0

Distance (It):	92.0
Structural Grade:	0
O&M Grade:	0
Clock Start/From:	11
Clock To:	
1st Value:	4.000
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



Code:	RPR
Description:	Repair Point Pipe Replaced
Distance (ft):	93.9
Structural Grade:	0
O&M Grade:	0

0
0
NO
vcp



Code: MMC Description: **Material Change** Distance (ft): 95.3 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 concrete

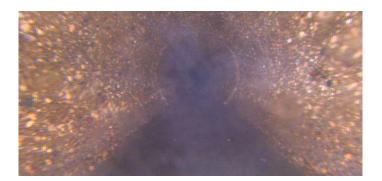


Code: Description:	TF Tap Factory
Distance (ft):	95.3
Structural Grade:	0
O&M Grade:	0
Clock Start/From:	1
Clock To:	
1st Value:	4.000
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



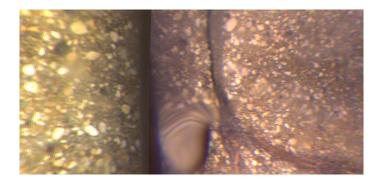
Code:TBADescription:Tap Break-in Active

Distance (ft):	106.7
Distance (it):	100.7
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:	MGO
Description:	General Observation
Distance (ft):	122.4
Structural Grade:	0
O&M Grade:	0
Clock Start/From:	
Clock To:	

Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	NO
Remarks:	steam in line



Code:RFJDescription:Roots Fine Joint

Distance (ft):	126.8
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:	YES
Remarks:	



Code: Description:	FM Fracture Multiple
Distance (ft):	130.1
Structural Grade:	4
O&M Grade:	0
Clock Start/From:	7
Clock To:	5
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



Code:	TF
Description:	Tap Factory

Distance (ft):	130.1
Structural Grade:	0
O&M Grade:	0
Clock Start/From:	11
Clock To:	
1st Value:	4.000
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	
Remarks:	



Code:	RML
Description:	Roots Medium Lateral

Distance (ft):	130.1
Structural Grade:	0
O&M Grade:	3
Clock Start/From:	7
Clock To:	11
1st Value:	
2nd Value:	
Value Percent:	5.000
Continuous Index:	
Within 8" of Joint:	NO
Remarks:	



Code: Description:	MMC Material Change
Distance (ft):	130.1
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

RFJ



Description:	Roots Fine Joint
Distance (ft):	131.6
Structural Grade:	0
O&M Grade:	1
Clock Start/From:	7
Clock To:	5
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	S03
Within 8" of Joint:	YES

Code:



Code:	TF
Description:	Tap Factory

Distance (ft):	133.2
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:	TF Tap Factory
Distance (ft): Structural Grade:	133.2 0
O&M Grade: Clock Start/From: Clock To:	0 11
1st Value: 2nd Value: Value Percent:	4.000
Continuous Index: Within 8" of Joint: Remarks:	



Code:	TF
Description:	Tap Factory
Distance (ft):	151.1
Structural Grade:	0
O&M Grade:	0
Clock Start/From:	1
Clock To:	
1 -+ 1/-	4 000

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

4.000

and the second		JAN C	
	and the second		
			Her with
	Ses &		

Code:	RFC
Description:	Roots Fine Connection

Distance (ft):	151.1
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:	NO
Remarks:	



Code: MMC Description: **Material Change** Distance (ft): 167.1 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



Code: Description:	TF Tap Factory
Distance (ft):	167.1
Structural Grade:	0
O&M Grade:	0
Clock Start/From:	11
Clock To:	
1st Value:	4.000
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	
Remarks:	

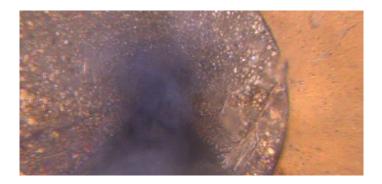


Code:FMDescription:Fracture Multiple

Distance (ft):	168.6
Structural Grade:	4
O&M Grade:	0
Clock Start/From:	7
Clock To:	5
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



Code: Description:	TF Tap Factory
Distance (ft): Structural Grade: O&M Grade: Clock Start/From: Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint:	170.3 0 0 1 4.000 YES
Remarks:	



Code:MMCDescription:Material Change

Distance (ft):	170.3
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:	concrete

Code:



Description:	Roots Fine Barrel
Distance (ft):	177.1
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:	

RFB



Code:DSZDescription:Deposits Settled Other

Distance (ft):	192.1
Structural Grade:	0
O&M Grade:	2
Clock Start/From:	6
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	5.000
Continuous Index:	S05
Within 8" of Joint:	NO
Remarks:	tissue/debris

Code:

Description:



Distance (ft):	203.3
Structural Grade:	0
O&M Grade:	0
Clock Start/From:	1
Clock To:	
1st Value:	4.000
1st Value: 2nd Value:	4.000
	4.000
2nd Value:	4.000
2nd Value: Value Percent:	4.000

TF

Tap Factory



Code:MMCDescription:Material Change

Distance (ft):	204.5
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:	concrete



ЛМС
Aaterial Change
40.1

Distance (ft):	240.1
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



Code:	TF
Description:	Tap Factory

Distance (ft):	240.1
Structural Grade:	0
O&M Grade:	0
Clock Start/From:	12
Clock To:	
1st Value:	4.000
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	
Remarks:	



Code: Description:	TF Tap Factory
Distance (ft):	242.6
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:MMCDescription:Material Change

Distance (ft):	244.3
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:	concrete

Code:

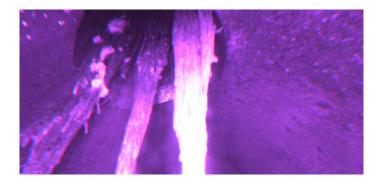
Description:



Distance (ft):	280.5
Structural Grade:	0
O&M Grade:	0
Clock Start/From:	11
Clock To:	
1st Value:	4.000
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	
Remarks:	

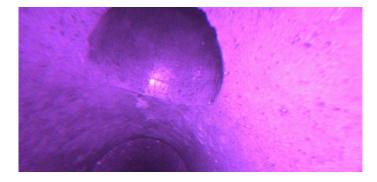
TF

Tap Factory

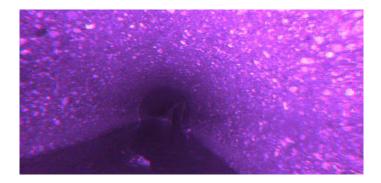


Code:RMLDescription:Roots Medium Lateral

Distance (ft):	280.5
Structural Grade:	0
O&M Grade:	3
Clock Start/From:	11
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	5.000
Continuous Index:	
Within 8" of Joint:	NO
Remarks:	



Code: Description:	TF Tap Factory
Distance (ft):	282.4
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:	YES
Remarks:	



Code:MSADescription:Abandoned SurveyDistance (ft):299.1Structural Grade:0O&M Grade:0Clock Start/From:Clock To:1st Value:-2nd Value:-Value Percent:-

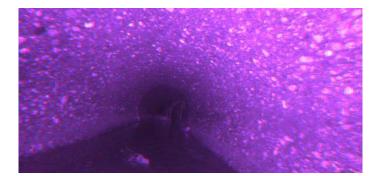
NO no blockage

Code:	
Description:	

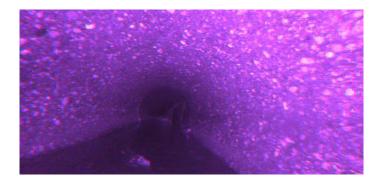
Continuous Index: Within 8" of Joint:

Remarks:

SAV Surface Aggregate Visible

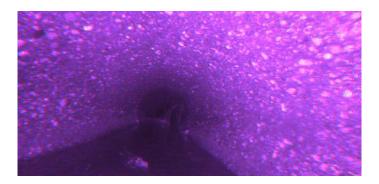


Distance (ft):	299.1
Structural Grade:	3
O&M Grade:	0
Clock Start/From:	7
Clock To:	5
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	F01
Within 8" of Joint:	NO
Remarks:	



Code:CCDescription:Crack Circumferential

Distance (ft):	299.1
Structural Grade:	1
O&M Grade:	0
Clock Start/From:	7
Clock To:	5
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	F02
Within 8" of Joint:	
Remarks:	



Code:	СМ
Description:	Crack Multiple
Distance (ft):	299.1
Structural Grade:	3
O&M Grade:	0
Clock Start/From:	7
Clock To:	5
1st Value:	
2nd Value:	

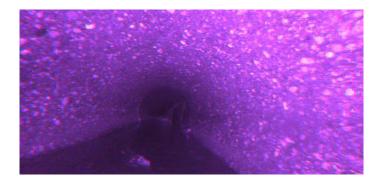
F04

wandering

Value Percent: Continuous Index:

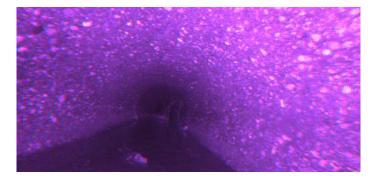
Remarks:

Within 8" of Joint:



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

Distance (ft):	299.1
Structural Grade:	0
O&M Grade:	1
Clock Start/From:	7
Clock To:	5
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	F03
Within 8" of Joint:	YES
Remarks:	



Description:	

Code:

Distance (ft):	299.1
Structural Grade:	0
O&M Grade:	2
Clock Start/From:	6
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	5.000
Continuous Index:	F05
Within 8" of Joint:	NO
Remarks:	tissue/debris

DSZ

Deposits Settled Other