Profile/Photo Observation Report



Date: 04/22/2018 Weather: **PACP 6.0** Coding: Pipe Length (ft): 218.7 Owner: NA Pre Clean: **Not Known** P.O.#: PSR: P-604-103-101 Surveyor: Jen Costello

Customer: Clean Date: 01/01/1900 Shape: C

Street: ALLEY BETWEEN N WISCONSIN ST & Flow Control: Not Controlled

City: Hobart, IN Year Renewed:
Location: Light Highway 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-604-103 DS MH: M-604-101 Total Length Surveyed (ft): 213.2

 O&M Index:
 1.82
 O&M Quick:
 4131
 O&M Rating:
 20.00

 Structural Index:
 3.38
 Structural Quick:
 4621
 Structural Rating:
 27.00

 Overall Index:
 2.47
 Overall Quick:
 4731
 Overall Rating:
 47.00

	Position	Code	Observation	Video (sec)	Grade
M(604)1	.03				
	0. //	AMH	Manhole	10	NA
	0.	MWL	Water Level	21	NA
	0.	RFJ	Roots Fine Joint	33	M 1
	2.9	FM	Fracture Multiple	50	S 4
	5.2	FM	Fracture Multiple	67	S 4
	6.9	RMJ	Roots Medium Joint	82	M 3
	8.7	RFJ	Roots Fine Joint	97	M 1
	11.0	FM	Fracture Multiple	113	S 4
	12.7	RFJ	Roots Fine Joint	129	M 1
s 1	16.9	RFJ	Roots Fine Joint	149	M 1
ecti	19.1	RFJ	Roots Fine Joint	165	M 1
ā	21.0	MMC	Material Change	180	NA
Camera Direction	32.6	TF	Tap Factory	215	NA
Car	39.5	MMC	Material Change	241	NA
	42.9	TFC	Tap Factory Capped	261	NA
	47.3	FM	Fracture Multiple	283	S 4
↓	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	TF	Tap Factory	353	NA
	\\ 76.1	FM	Fracture Multiple	368	S 4
	83.9	DAE	Deposits Attached Encrustation	395	M 2

¬\\\85.9	IW	Infil Weeper	411	M 2
88.2	MMC	Material Change	427	NA
\\ <u>95.1</u>	MMC	Material Change	453	NA
101.7	TFC	Tap Factory Capped	480	NA
128.3	TFA	Tap Factory Active	548	NA
142.5	TFC	Tap Factory Capped	592	NA
158.5	MWL	Water Level	637	NA
/ 158.5	MCU	Camera Underwater	648	M 4
J 161.7	MWL	Water Level	666	NA
161.7	MMC	Material Change	677	NA
164.2	TFA	Tap Factory Active	694	NA
167.9	JSM	Joint Separated Medium	713	S 1
// 167.9	MMC	Material Change	725	NA
178.3	MMC	Material Change	757	NA
180.8	TF	Tap Factory	774	NA
187.3	MMC	Material Change	798	NA
188.4	IW	Infil Weeper	812	M 2
190.6	IW	Infil Weeper	828	M 2
194.8	FC	Fracture Circumferential	848	S 2
202.3	TFC	Tap Factory Capped	877	NA
203.0	FM	Fracture Multiple	892	S 4
213.0	AMH	Manhole	923	NA

M(604)101



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-604-103



Code: MWL
Description: Water Level

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

Clock Start/From:

Clock To: 1st Value: 2nd Value:

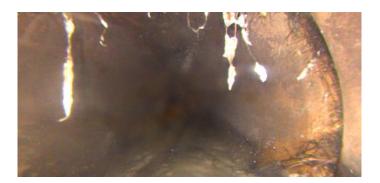
Value Percent: 5.000

Continuous Index:

Within 8" of Joint:

Remarks:

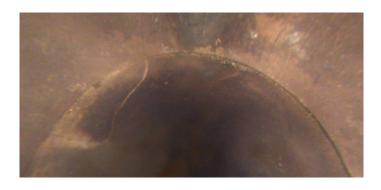
NO



Code: RFJ

Description: Roots Fine Joint

Within 8" of Joint: YES



Description: Fracture Multiple

Distance (ft): 2.9
Structural Grade: 4

O&M Grade: 0

Clock Start/From: 10

Clock To: 12

1st Value: 2

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

Code: FM

Description: Fracture Multiple

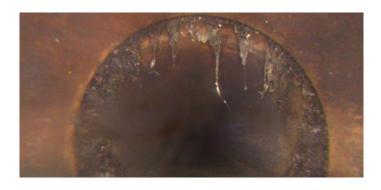
YES



Distance (ft): 5.2
Structural Grade: 4
O&M Grade: 0
Clock Start/From: 8
Clock To: 4
1st Value:

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES



Code: RMJ

Description: Roots Medium Joint

Distance (ft): 6.9
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 8
Clock To: 4
1st Value:

2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint:

YES

Remarks:

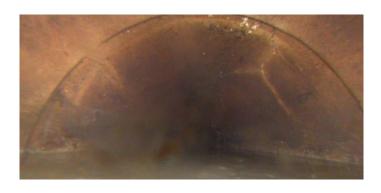


Code: RFJ

Description: Roots Fine Joint

Distance (ft): 8.7
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 8
Clock To: 4
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint: YES



Description: Fracture Multiple

Distance (ft): 11.0
Structural Grade: 4

O&M Grade: 0

Clock Start/From: 8

Clock To: 4

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

Within 8" of Joint:

Remarks:

Code:

RFJ

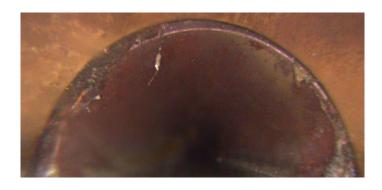
YES

Description: Roots Fine Joint



Distance (ft): 12.7
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 8
Clock To: 4
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint: YES



Code: RFJ

Description: Roots Fine Joint

Distance (ft): 16.9
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 8
Clock To: 4
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint:

Remarks:

Code:

YES

RFJ

Description: Roots Fine Joint



Distance (ft): 19.1
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 8
Clock To: 4
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Remarks:

Within 8" of Joint:

YES



Code: MMC

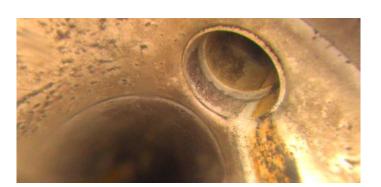
Description: Material Change

Distance (ft): 21.0
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: PVC



Code: **TF**

Description: Tap Factory

Distance (ft): 32.6
Structural Grade: 0

O&M Grade: 0

Clock Start/From: 2

Clock To:

2nd Value:

1st Value: **4.000**

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



Code: MMC

Description: Material Change

Distance (ft): 39.5
Structural Grade: 0

O&M Grade: 0

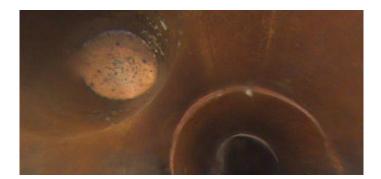
Clock Start/From:

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

Within 8" of Joint: NO Remarks: vcp

Code: **TFC**

Description: Tap Factory Capped



Distance (ft): 42.9
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:



Description: Fracture Multiple

Distance (ft): 47.3
Structural Grade: 4

O&M Grade: 0

Clock Start/From: 12

Clock To: 3

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

Within 8" of Joint:

Remarks:

YES



Code: **TF**

Description: **Tap Factory**

Distance (ft): 75.3
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:



Description: Fracture Multiple

Distance (ft): 76.1
Structural Grade: 4

O&M Grade: 0

Clock Start/From: 1

Clock To: 4

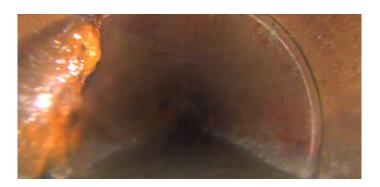
1st Value:

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 83.9
Structural Grade: 0

O&M Grade: 2

Clock Start/From: 8

Clock To: 10

1st Value:

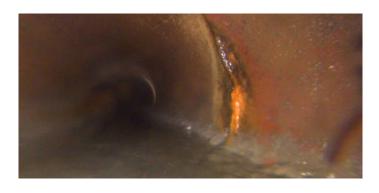
2nd Value: Value Percent:

Continuous Index:

YES

5.000

Within 8" of Joint:



Code: IW

Description: Infil Weeper

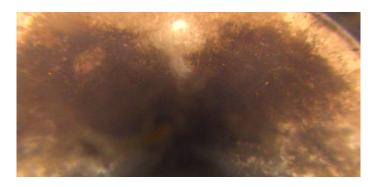
Distance (ft): 85.9
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 2
Clock To: 4

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

Within 8" of Joint:

Remarks:

YES



Code: MMC

Description: Material Change

Distance (ft): 88.2
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



Code: MMC

Description: Material Change

Distance (ft): 95.1
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: **TFC**

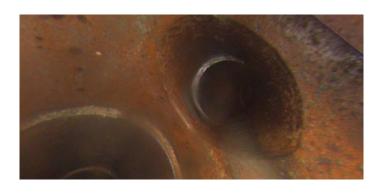
Description: Tap Factory Capped

Distance (ft): 101.7
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:



Code: TFA

Description: Tap Factory Active

Distance (ft): 128.3
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:



Code: **TFC**

Description: Tap Factory Capped

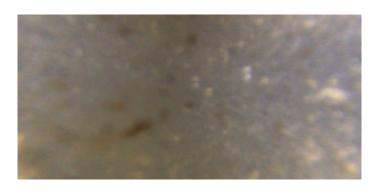
Distance (ft): 142.5
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 2

Clock To:

1st Value: **4.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:



Code: MWL

Description: Water Level

Distance (ft): 158.5
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:

NO

100.000



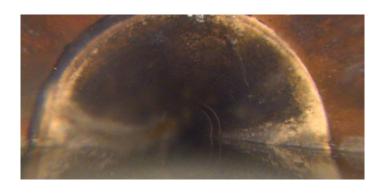
Code: MCU

Description: Camera Underwater

Distance (ft): 158.5
Structural Grade: 0
O&M Grade: 4
Clock Start/From:

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

Within 8" of Joint: NO



Code: MWL

Description: Water Level

Distance (ft): 161.7
Structural Grade: 0
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

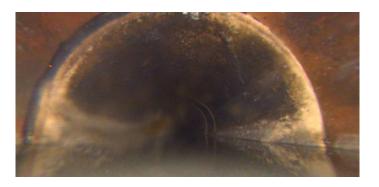
Value Percent: 40.000

Continuous Index:

Within 8" of Joint:

NO

Remarks:



Code: MMC

Description: Material Change

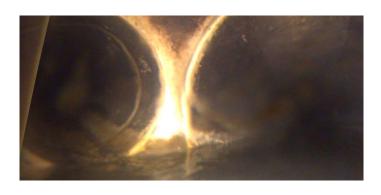
Distance (ft): 161.7
Structural Grade: 0

O&M Grade: 0

Clock Start/From:

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

Within 8" of Joint: NO Remarks: pvc



Code: TFA

Description: Tap Factory Active

Distance (ft): 164.2
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 9

Clock To:

1st Value: **4.000**

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

Remarks:



Description: Joint Separated Medium

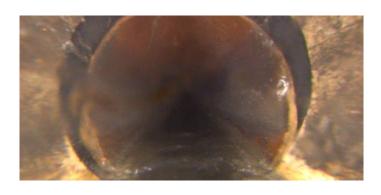


Distance (ft): 167.9
Structural Grade: 1
O&M Grade: 0

Clock Start/From:

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

Within 8" of Joint: NO



Code: MMC

Description: Material Change

Distance (ft): 167.9
Structural Grade: 0
O&M Grade: 0

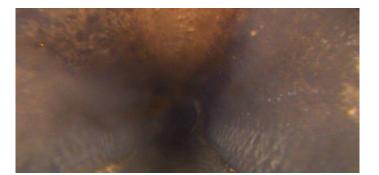
Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index:

Clock Start/From:

Within 8" of Joint: NO Remarks: VCP

Code: MMC

Description: Material Change

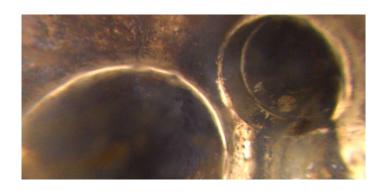


Distance (ft): 178.3
Structural Grade: 0

O&M Grade: **0** Clock Start/From:

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

Within 8" of Joint: NO Remarks: pvc



Code: **TF**

Description: Tap Factory

Distance (ft): 180.8
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: MMC

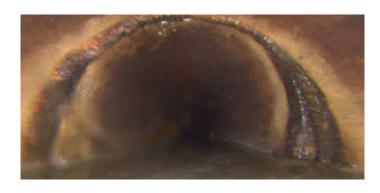
Description: Material Change

Distance (ft): 187.3
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: VCP



Code: IW

Description: Infil Weeper

Distance (ft): 188.4
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 8
Clock To: 4
1st Value:

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

Within 8" of Joint:

Remarks:

YES



Code: IW

Description: Infil Weeper

Distance (ft): 190.6
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 3
Clock To: 4
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint: YES



Code: FC

Description: Fracture Circumferential

Distance (ft): 194.8
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 2
Clock To: 4

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

Within 8" of Joint:

Remarks:

YES



Code: **TFC**

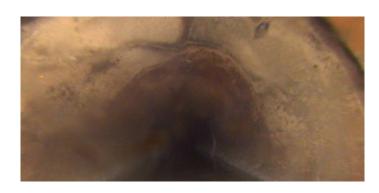
Description: Tap Factory Capped

Distance (ft): 202.3
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:



Description: Fracture Multiple

Distance (ft): 203.0
Structural Grade: 4

O&M Grade: 0
Clock Start/From: 10
Clock To: 2

1st Value:
2nd Value:

Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: AMH
Description: Manhole

Distance (ft): 213.0 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-604-101