Profile/Photo Observation Report



Date: 04/19/2018 Weather: Coding: PACP 6.0

Pipe Length (ft): 332.8 Owner: NA Pre Clean: No Pre-Cleaning
P.O.#: Surveyor: Byrd Fitzgerald PSR: P-405-035-031

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

Street: ALLEY BETWEEN SOFTWOOD DR & C Flow Control: Not Controlled

City: Hobart, IN Year Renewed:

Location: Yard Tape/Media #:
Purpose: Routine Assessment Dia/Height:

Purpose: Routine Assessment Dia/Height: 8"
Use: Sanitary Material: PVC

Drain Area: NA Lining:

Category: NA

Comment: P_C at 168 ft roots

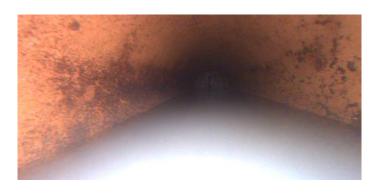
Location Details: Direction of Survey: **Downstream**

US MH: M-405-031 DS MH: M-405-035 Total Length Surveyed (ft): 169.7

3.22 148.00 O&M Index: O&M Quick: O&M Rating: 0.00 0000 0.00 Structural Quick: Structural Rating: Structural Index: 3.22 148.00 Overall Index: Overall Quick: Overall Rating:

	Position	Code	Observation	Video (sec)	Grade
M-40!	5-031				
	0.	AMH	Manhole	10	NA
-		MWL	Water Level	21	NA
	3.7	RBJ	Roots Ball Joint	40	M 4
	3.7	MWL	Water Level	51	NA
	6.7	RBJ(SO1)	Roots Ball Joint	68	M 4
-	\\\\\\\\\	MCU	Camera Underwater	88	M 4
	13.3	MCU(S02)	Camera Underwater	104	M 4
	24.1	RBJ(F01)	Roots Ball Joint	136	M 4
	24.1	MCU(F02)	Camera Underwater	148	M 4
s I	24.1	MGO	General Observation	159	NA
Camera Direction	47.6	MCU(S03)	Camera Underwater	217	M 4
i D	52.0	MCU(F03)	Camera Underwater	237	M 4
er -	52.0	MWL	Water Level	248	NA
يّ ا	\\55.0	RMJ	Roots Medium Joint	265	M 3
	60.1	MCU	Camera Underwater	287	M 4
- 11	65.4	MGO	General Observation	311	NA
1	65.4	RBJ	Roots Ball Joint	322	M 4
	70.4	MCU	Camera Underwater	343	M 4
	71.8	RBJ	Roots Ball Joint	358	M 4

74.0	RMJ(S04)	Roots Medium Joint	373	M 3
76.2	TF	Tap Factory	390	NA
76.2	RFC	Roots Fine Connection	401	M:
80.2	RBJ	Roots Ball Joint	420	M
85.9	RBJ(S05)	Roots Ball Joint	443	M
86.6	DAGS(S06)	Deposits Attached Grease	456	M
112.7	MMC	Material Change	521	NA
112.7	RBJ(F05)	Roots Ball Joint	532	M
113.8	DAGS(F06)	Deposits Attached Grease	546	M
114.7	TF	Tap Factory	559	NA
116.7	TF	Tap Factory	575	NA
120.0	MWL	Water Level	593	NA
122.0	MMC	Material Change	608	NA
127.6	DSZ	Deposits Settled Other	631	М 3
134.0	DAE	Deposits Attached Encrustation	655	M
151.1	MMC	Material Change	701	NA
157.7	MMC	Material Change	725	NA
169.7	MSA	Abandoned Survey	763	NA
169.7	RMJ(F04)	Roots Medium Joint	774	М 3



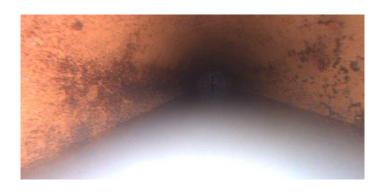
Code: AMH
Description: Manhole

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

Within 8" of Joint: NO

Continuous Index:

Remarks: M-405-031



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: 25.000

Continuous Index:

Within 8" of Joint:

Remarks:

NO



Code: RBJ

Description: Roots Ball Joint

Distance (ft): 3.7
Structural Grade: 0
O&M Grade: 4
Clock Start/From: 9
Clock To: 3
1st Value:
2nd Value:

Value Percent: 90.000

Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: MWL

Description: Water Level

Distance (ft): 3.7
Structural Grade: 0

O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 50.000

Continuous Index:

Within 8" of Joint:

NO

Remarks:



Code: RBJ

Description: Roots Ball Joint

Distance (ft): 6.7
Structural Grade: 0
O&M Grade: 4
Clock Start/From: 9
Clock To: 3
1st Value:

Value Percent: 55.000
Continuous Index: S01
Within 8" of Joint: YES

Remarks:

2nd Value:



Code: MCU

Description: Camera Underwater

Distance (ft): 11.0
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

Remarks:



Code: MCU

Description: Camera Underwater

Distance (ft): 13.3
Structural Grade: 0
O&M Grade: 4

Clock Start/From: Clock To:

1st Value: 2nd Value: Value Percent:

Continuous Index: **S02** Within 8" of Joint: **NO**



Code: RBJ

Description: Roots Ball Joint

Distance (ft): 24.1
Structural Grade: 0

O&M Grade: 4

Clock Start/From: 9

Clock To: 3

1st Value:

1st Value: 2nd Value:

Value Percent: 55.000
Continuous Index: F01
Within 8" of Joint: YES

Remarks:

Code: MCU

Description: Camera Underwater



Distance (ft): 24.1
Structural Grade: 0

O&M Grade: **4** Clock Start/From:

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

Continuous Index: F02
Within 8" of Joint: NO



Code: MGO

Description: General Observation

Distance (ft): 24.1
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: lense dirty front and rear



Code: MCU

Description: Camera Underwater

Distance (ft): 47.6
Structural Grade: 0
O&M Grade: 4

Clock Start/From:

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

Continuous Index: S03
Within 8" of Joint: NO



Code: MCU

Description: Camera Underwater

Distance (ft): 52.0
Structural Grade: 0
O&M Grade: 4

Clock Start/From:

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

Continuous Index: F03
Within 8" of Joint: NO

Remarks:

Code: MWL
Description: Water Level

Distance (ft): 52.0
Structural Grade: 0

O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: **50.000**

Continuous Index:

Within 8" of Joint: NO





Code: RMJ

Description: Roots Medium Joint

Distance (ft): 55.0
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 9
Clock To: 3
1st Value:

1st Value: 2nd Value:

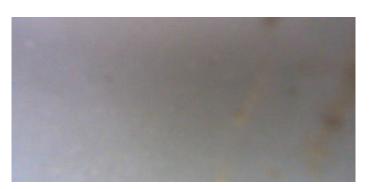
Value Percent: 5.000

Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: MCU

Description: Camera Underwater

Distance (ft): 60.1
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: MGO

Description: General Observation

Distance (ft): 65.4
Structural Grade: 0

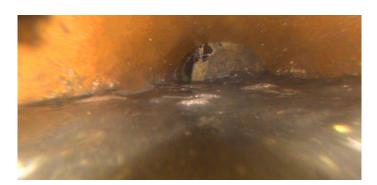
O&M Grade: 0

Clock Start/From:

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

Within 8" of Joint: NO

Remarks: rear camera/mcu



Code: RBJ

Description: Roots Ball Joint

Distance (ft): 65.4
Structural Grade: 0

O&M Grade: 4

Clock Start/From: 9

Clock To: 3

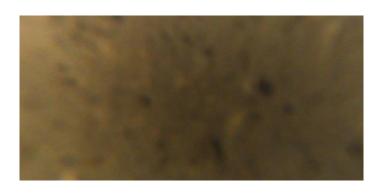
1st Value:

2nd Value:

Value Percent: **80.000**

Continuous Index:

Within 8" of Joint: YES



Code: MCU

Description: Camera Underwater

Distance (ft): 70.4
Structural Grade: 0

O&M Grade: 4

Clock Start/From: Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

NO



Code: RBJ

Description: Roots Ball Joint

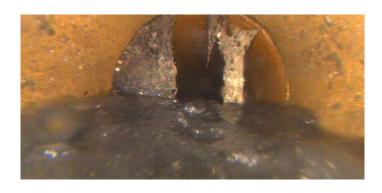
Distance (ft): 71.8
Structural Grade: 0
O&M Grade: 4
Clock Start/From: 9
Clock To: 3
1st Value:

2nd Value:

Value Percent: 100.000

Continuous Index:

Within 8" of Joint: YES



Code: RMJ

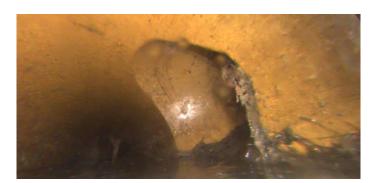
Description: Roots Medium Joint

Distance (ft): 74.0
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 8
Clock To: 4

1st Value: 2nd Value:

Value Percent: 20.000
Continuous Index: S04
Within 8" of Joint: YES

Remarks: wandering



Code: **TF**

Description: Tap Factory

Distance (ft): 76.2
Structural Grade: 0

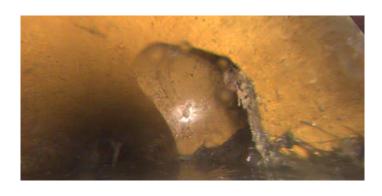
O&M Grade: 0

Clock Start/From: 10

Clock To:

1st Value: **4.000**

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



Code: RFC

Description: Roots Fine Connection

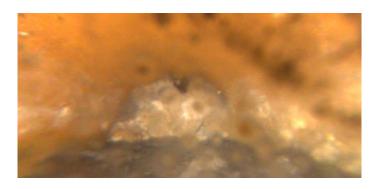
Distance (ft): 76.2
Structural Grade: 0
O&M Grade: 1
Clock Start/From: 10

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

Within 8" of Joint:

Remarks:

NO



Code: RBJ

Description: Roots Ball Joint

Distance (ft): 80.2
Structural Grade: 0

O&M Grade: 4

Clock Start/From: 9

Clock To: 3

1st Value:

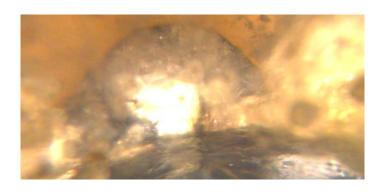
Value Percent: 100.000

Continuous Index:

2nd Value:

Within 8" of Joint: YES

Remarks: also grease



Code: RBJ

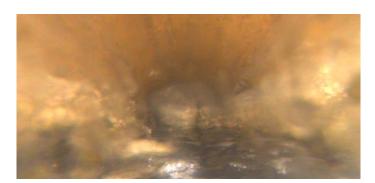
Description: Roots Ball Joint

Distance (ft): 85.9
Structural Grade: 0
O&M Grade: 4
Clock Start/From: 7
Clock To: 5

1st Value: 2nd Value:

Value Percent: 100.000
Continuous Index: S05
Within 8" of Joint: YES

Remarks: percentages may change



Code: DAGS

Description: Deposits Attached Grease

Distance (ft): 86.6
Structural Grade: 0

O&M Grade: 2

Clock Start/From: 9

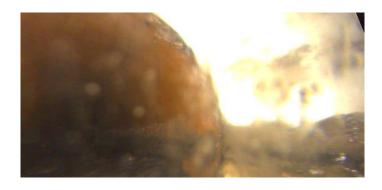
Clock To: 3

1st Value:

Value Percent: 5.000
Continuous Index: S06
Within 8" of Joint: NO

Remarks:

2nd Value:



Code: MMC

Description: Material Change

Distance (ft): 112.7
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: RBJ

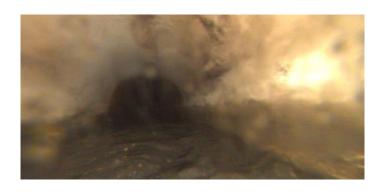
Description: Roots Ball Joint

Distance (ft): 112.7
Structural Grade: 0
O&M Grade: 4
Clock Start/From: 7
Clock To: 5
1st Value:

Value Percent: 100.000
Continuous Index: F05
Within 8" of Joint: YES

2nd Value:

Remarks: percentages may change



Code: DAGS

Description: Deposits Attached Grease

Distance (ft): 113.8
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 9
Clock To: 3
1st Value:

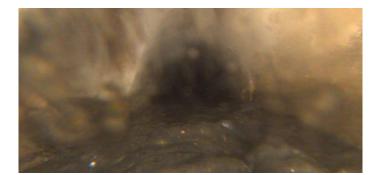
1st Value: 2nd Value:

Value Percent: 5.000
Continuous Index: F06
Within 8" of Joint: NO

Remarks:

Code: **TF**

Description: Tap Factory



Distance (ft): 114.7
Structural Grade: 0

O&M Grade: 0

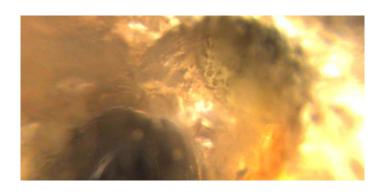
Clock Start/From: 3

Clock To:

1st Value: **6.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES



Code: TF

Description: **Tap Factory**

Distance (ft): 116.7 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: MWL

Description: **Water Level**

Distance (ft): 120.0 Structural Grade: 0 O&M Grade: 0

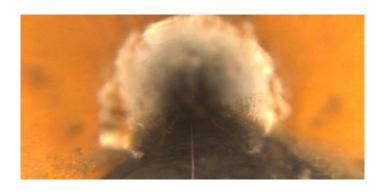
Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint: NO



Code: MMC

Description: Material Change

Distance (ft): 122.0
Structural Grade: 0
O&M Grade: 0

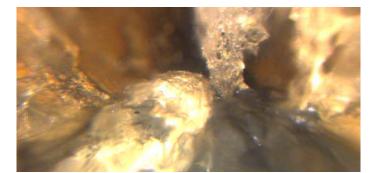
Clock Start/From:

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

Within 8" of Joint: NO Remarks: vcp



Description: Deposits Settled Other



Distance (ft): 127.6
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 6

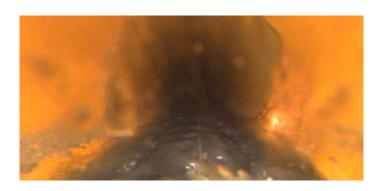
Clock To: 1st Value: 2nd Value:

Value Percent: 15.000

Continuous Index:

Within 8" of Joint: NO

Remarks: ball of grease?



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 134.0
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 7
Clock To: 9

1st Value: 2nd Value:

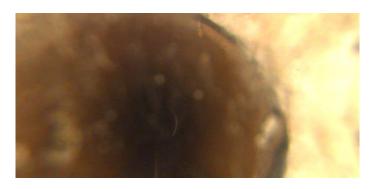
Value Percent: 5.000

Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: MMC

Description: Material Change

Distance (ft): 151.1
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: pvc



Code: MMC

Description: Material Change

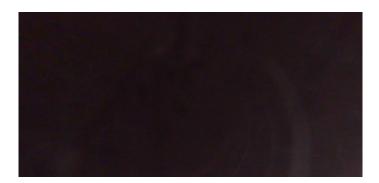
Distance (ft): 157.7
Structural Grade: 0
O&M Grade: 0

Clock Start/From: Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: NO Remarks: vcp

Code: MSA

Description: Abandoned Survey



Distance (ft): 169.7
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: camera stopped/no picture



Code: RMJ

Description: Roots Medium Joint

Distance (ft): 169.7
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 8
Clock To: 4

1st Value: 2nd Value:

Value Percent: 20.000
Continuous Index: F04
Within 8" of Joint: YES

Remarks: wandering