

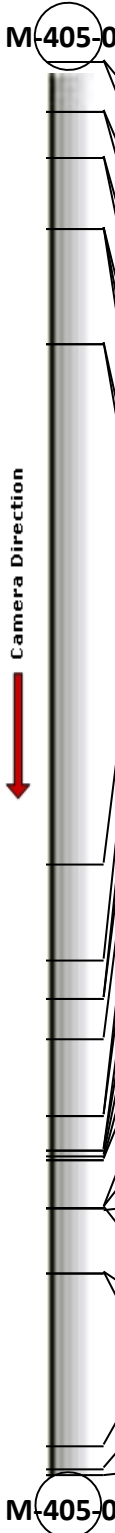
## Profile/Photo Observation Report



Date:	<b>04/24/2018</b>	Weather:		Coding:	<b>PACP 6.0</b>
Pipe Length (ft):	<b>179.1</b>	Owner:	<b>NA</b>	Pre Clean:	<b>No Pre-Cleaning</b>
P.O.#:		Surveyor:	<b>Jen Costello</b>	PSR:	<b>P-405-029-028</b>
Customer:		Clean Date:	<b>01/01/1900</b>	Shape:	<b>C</b>

Street:	<b>ALLEY BETWEEN DRIFTWOOD DR &amp;</b>	Flow Control:	<b>Not Controlled</b>
City:	<b>Hobart, IN</b>	Year Renewed:	
Location:	<b>Yard</b>	Tape/Media #:	
Purpose:	<b>Routine Assessment</b>	Dia/Height:	<b>8"</b>
Use:	<b>Sanitary</b>	Material:	<b>VCP</b>
Drain Area:	<b>NA</b>	Lining:	
Category:	<b>NA</b>		
Comment:	<b>P_C at 52 ft root .Flow direction wrong</b>		
Location Details:		Direction of Survey:	<b>Upstream</b>
US MH:	<b>M-405-028</b>	DS MH:	<b>M-405-029</b>
		Total Length Surveyed (ft):	<b>53.5</b>

O&M Index:	<b>2.03</b>	O&M Quick:	<b>382C</b>	O&M Rating:	<b>77.00</b>
Structural Index:	<b>3.50</b>	Structural Quick:	<b>4131</b>	Structural Rating:	<b>7.00</b>
Overall Index:	<b>2.10</b>	Overall Quick:	<b>4139</b>	Overall Rating:	<b>84.00</b>

	Position	Code	Observation	Video (sec)	Grade
					
	.0	AMH	Manhole	10	NA
	.0	MWL	Water Level	21	NA
	1.9	TBD	Tap Break-in Defective	37	M 3
	1.9	RMC	Roots Medium Connection	48	M 3
	3.6	FM	Fracture Multiple	63	S 4
	3.6	RFB	Roots Fine Barrel	74	M 2
	6.3	IW(S01)	Infil Weeper	91	M 2
	6.3	RFJ(S03)	Roots Fine Joint	102	M 1
	6.3	DAE(S02)	Deposits Attached Encrustation	113	M 2
	10.7	FL	Fracture Longitudinal	134	S 3
	10.7	RFB	Roots Fine Barrel	145	M 2
	30.4	DAE	Deposits Attached Encrustation	196	M 3
	34.0	ID	Infil Dripper	214	M 3
	35.5	TFC	Tap Factory Capped	231	NA
	35.5	DAE	Deposits Attached Encrustation	243	M 2
	37.0	DAE	Deposits Attached Encrustation	259	M 3
	39.9	ID	Infil Dripper	275	M 3
	39.9	DAE	Deposits Attached Encrustation	285	M 3
	41.2	DAE	Deposits Attached Encrustation	298	M 2
	41.2	IW	Infil Weeper	308	M 2
	41.4	DAR	Deposits Attached Ragging	319	M 2
	41.6	DAE	Deposits Attached Encrustation	330	M 2
	41.6	IW	Infil Weeper	341	M 2
	43.4	DAE(F02)	Deposits Attached Encrustation	355	M 2
	43.4	RFJ(F03)	Roots Fine Joint	365	M 1
	43.4	IW(F01)	Infil Weeper	375	M 2
	43.4	MMC	Material Change	385	NA
	45.9	TF	Tap Factory	401	NA
	45.9	DAGS	Deposits Attached Grease	412	M 2
	52.4	MMC	Material Change	435	NA
	53.3	DAE	Deposits Attached Encrustation	448	M 3
	53.5	MSA	Abandoned Survey	459	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-405-029**

---

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: **TBD**  
Description: **Tap Break-in Defective**



Distance (ft): **1.9**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **12**  
Clock To:  
1st Value: **4.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint:  
Remarks: **roots**

---

Code: **RMC**  
Description: **Roots Medium Connection**



Distance (ft): **1.9**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **11**  
Clock To: **1**  
1st Value:  
2nd Value:  
Value Percent: **10.000**  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

---



Code: **FM**  
Description: **Fracture Multiple**



Distance (ft): **3.6**  
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**  
Remarks:

---

Code: **RFB**  
Description: **Roots Fine Barrel**



Distance (ft): **3.6**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **3**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

Code: **IW**  
Description: **Infil Weeper**



Distance (ft): **6.3**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **8**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **S01**  
Within 8" of Joint: **YES**  
Remarks:

---

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



Distance (ft): **6.3**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **10**  
Clock To: **12**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **S03**  
Within 8" of Joint: **YES**  
Remarks:

---

Code: **DAE**  
Description: **Deposits Attached Encrustation**



Distance (ft): **6.3**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **8**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index: **S02**  
Within 8" of Joint: **YES**  
Remarks:

---

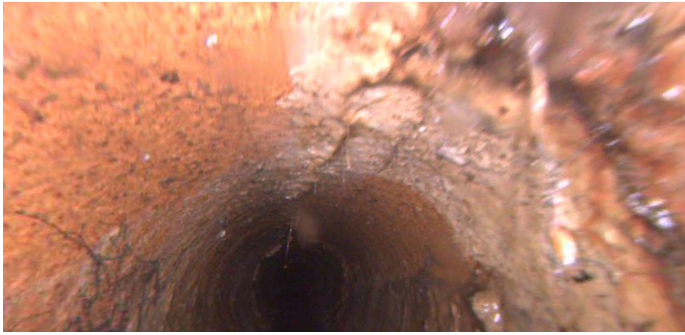
Code: **FL**  
Description: **Fracture Longitudinal**



Distance (ft): **10.7**  
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: **RFB**  
Description: **Roots Fine Barrel**



Distance (ft): **10.7**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **8**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

---

Code: **DAE**  
Description: **Deposits Attached Encrustation**



Distance (ft): **30.4**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **8**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent: **15.000**  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

---

Code: ID  
Description: Infil Dripper



Distance (ft): 34.0  
Structural Grade: 0  
O&M Grade: 3  
Clock Start/From: 1  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: YES  
Remarks:

---

Code: TFC  
Description: Tap Factory Capped

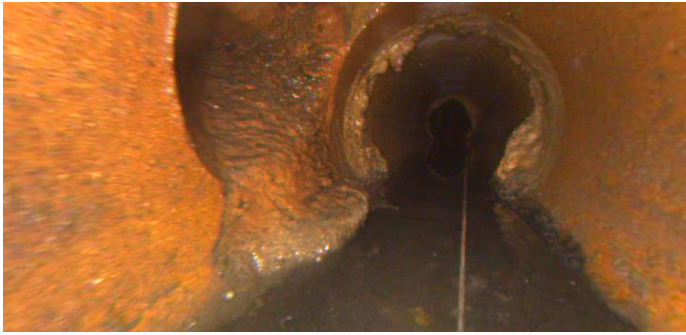


Distance (ft): 35.5  
Structural Grade: 0  
O&M Grade: 0  
Clock Start/From: 2  
Clock To:  
1st Value: 4.000  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint:  
Remarks:

---



Code: **DAE**  
Description: **Deposits Attached Encrustation**



Distance (ft): **35.5**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **3**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent: **10.000**  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

---

Code: **DAE**  
Description: **Deposits Attached Encrustation**



Distance (ft): **37.0**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **8**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent: **20.000**  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

---

Code: ID  
Description: Infil Dripper



Distance (ft): 39.9  
Structural Grade: 0  
O&M Grade: 3  
Clock Start/From: 12  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: YES  
Remarks:

---

Code: DAE  
Description: Deposits Attached Encrustation



Distance (ft): 39.9  
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: **DAE**  
Description: **Deposits Attached Encrustation**



Distance (ft): **41.2**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **7**  
Clock To: **10**  
1st Value:  
2nd Value:  
Value Percent: **10.000**  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

---

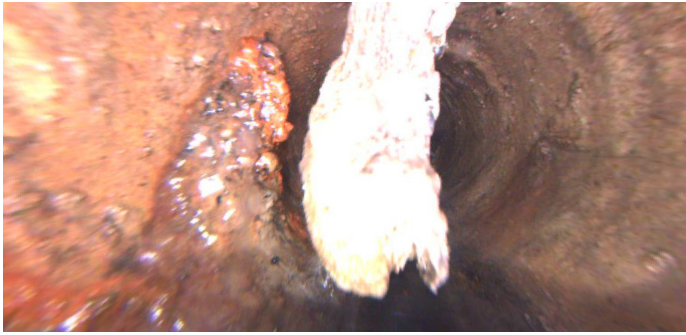
Code: **IW**  
Description: **Infil Weeper**



Distance (ft): **41.2**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **8**  
Clock To: **10**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint:  
Remarks:

---

Code: **DAR**  
Description: **Deposits Attached Ragging**



Distance (ft): **41.4**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **12**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **10.000**  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

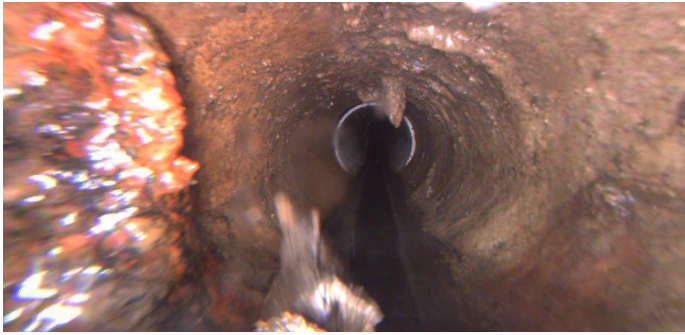
---

Code: **DAE**  
Description: **Deposits Attached Encrustation**



Distance (ft): **41.6**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **7**  
Clock To: **10**  
1st Value:  
2nd Value:  
Value Percent: **10.000**  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

Code: **IW**  
Description: **Infil Weeper**



Distance (ft): **41.6**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **8**  
Clock To: **10**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint:  
Remarks:

---

Code: **DAE**  
Description: **Deposits Attached Encrustation**



Distance (ft): **43.4**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **8**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index: **F02**  
Within 8" of Joint: **YES**  
Remarks:

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



Distance (ft): **43.4**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **10**  
Clock To: **12**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **F03**  
Within 8" of Joint: **YES**  
Remarks:

---

Code: **IW**  
Description: **Infil Weeper**



Distance (ft): **43.4**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **8**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **F01**  
Within 8" of Joint: **YES**  
Remarks:



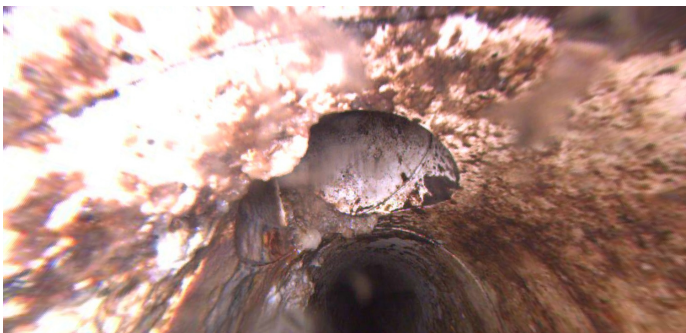
Code: **MMC**  
Description: **Material Change**



Distance (ft): **43.4**  
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: **PVC**

---

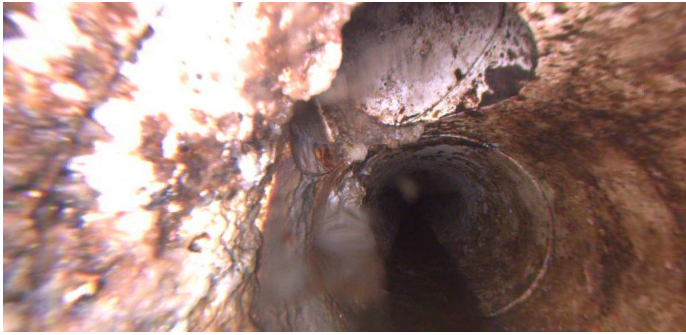
Code: **TF**  
Description: **Tap Factory**



Distance (ft): **45.9**  
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: **DAGS**  
Description: **Deposits Attached Grease**



Distance (ft): **45.9**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **8**  
Clock To: **11**  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

---

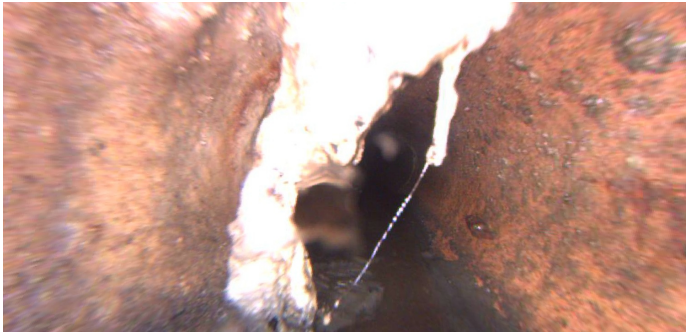
Code: **MMC**  
Description: **Material Change**



Distance (ft): **52.4**  
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: **vc**

---

Code: **DAE**  
Description: **Deposits Attached Encrustation**



Distance (ft): **53.3**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **8**  
Clock To: **12**  
1st Value:  
2nd Value:  
Value Percent: **20.000**  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

---

Code: **MSA**  
Description: **Abandoned Survey**



Distance (ft): **53.5**  
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: **dae**