

## Profile/Photo Observation Report




Date:	<b>04/18/2018</b>	Weather:		Coding:	<b>PACP 6.0</b>
Pipe Length (ft):	<b>150.4</b>	Owner:	<b>NA</b>	Pre Clean:	<b>Not Known</b>
P.O.#:		Surveyor:	<b>Byrd Fitzgerald</b>	PSR:	<b>P-504-089-088</b>
Customer:		Clean Date:	<b>01/01/1900</b>	Shape:	<b>C</b>

Street:	<b>ALLEY BETWEEN N VIRGINIA ST &amp; N</b>	Flow Control:	<b>Not Controlled</b>
City:	<b>Hobart, IN</b>	Year Renewed:	
Location:	<b>Light Highway</b>	Tape/Media #:	
Purpose:	<b>Not Known</b>	Dia/Height:	<b>12"</b>
Use:	<b>Sanitary</b>	Material:	<b>VCP</b>
Drain Area:	<b>NA</b>	Lining:	
Category:	<b>NA</b>		
Comment:			

Location Details:		Direction of Survey:	<b>Downstream</b>
US MH:	<b>M-504-088</b>	DS MH:	<b>M-504-089</b>
		Total Length Surveyed (ft):	<b>157.4</b>

O&M Index:	<b>1.69</b>	O&M Quick:	<b>4135</b>	O&M Rating:	<b>113.00</b>
Structural Index:	<b>3.92</b>	Structural Quick:	<b>514G</b>	Structural Rating:	<b>196.00</b>
Overall Index:	<b>2.64</b>	Overall Quick:	<b>514H</b>	Overall Rating:	<b>309.00</b>

	Position	Code	Observation	Video (sec)	Grade
<b>M-504-088</b>					
	.0	FM(S01)	Fracture Multiple	10	S 4
	.0	AMH	Manhole	22	NA
	.0	MWL	Water Level	33	NA
	2.5	RFB(S02)	Roots Fine Barrel	49	M 2
	3.1	FL(S03)	Fracture Longitudinal	62	S 3
	6.7	RMJ	Roots Medium Joint	81	M 3
	19.0	FM	Fracture Multiple	118	S 4
	20.2	TBD	Tap Break-in Defective	132	M 3
	20.2	RFL	Roots Fine Lateral	143	M 1
	24.0	FL(F03)	Fracture Longitudinal	163	S 3
	24.0	RFJ(S04)	Roots Fine Joint	174	M 1
	40.4	RMB	Roots Medium Barrel	218	M 4
	44.8	FM(S05)	Fracture Multiple	238	S 4
	55.2	FM(F05)	Fracture Multiple	270	S 4
	58.7	B	Broken	289	S 5
	58.7	FM(S06)	Fracture Multiple	300	S 4
	58.7	TBA	Tap Break-in Active	311	NA
	80.0	TBI	Tap Break-in Intruding	365	M 2
	82.8	TF	Tap Factory	383	NA
	89.9	TB	Tap Break-in	409	NA
	101.5	FM(F06)	Fracture Multiple	444	S 4
	115.1	FL	Fracture Longitudinal	482	S 3
	118.5	TBD	Tap Break-in Defective	501	M 3
	118.5	DAR	Deposits Attached Ragging	512	M 2
	129.0	TF	Tap Factory	544	NA
	131.7	TF	Tap Factory	562	NA
	140.1	TBD	Tap Break-in Defective	590	M 3
	140.1	FM	Fracture Multiple	601	S 4
	140.7	RFC	Roots Fine Connection	614	M 1
	141.7	RMJ	Roots Medium Joint	628	M 3
	155.3	RFJ(F04)	Roots Fine Joint	667	M 1
	155.3	CM(F01)	Crack Multiple	678	S 3
	155.3	RFB(F02)	Roots Fine Barrel	689	M 2
	157.4	AMH	Manhole	706	NA
<b>M-504-089</b>					

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



Distance (ft): **.0**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **7**  
Clock To: **12**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **S01**  
Within 8" of Joint:  
Remarks: **wandering**

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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-504-088**

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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:

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

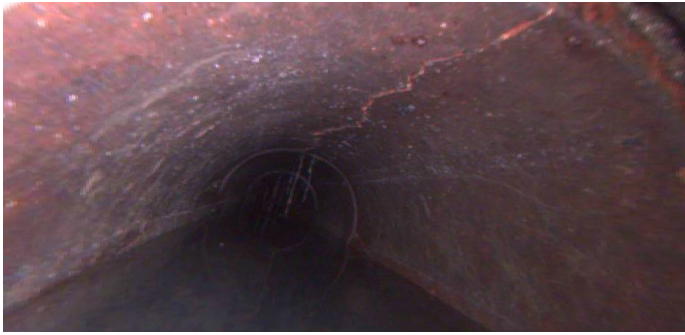


Distance (ft): **2.5**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **12**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **S02**  
Within 8" of Joint: **NO**  
Remarks: **wandering**

---



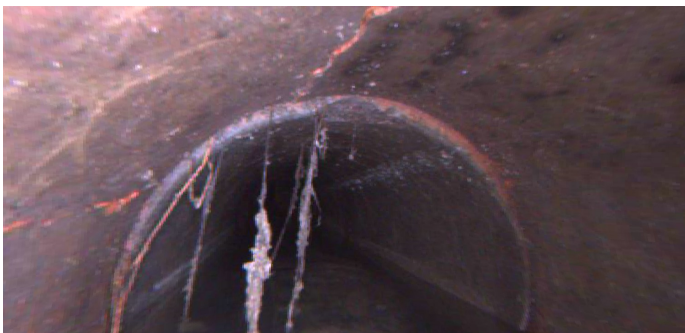
Code: **FL**  
Description: **Fracture Longitudinal**



Distance (ft): **3.1**  
Structural Grade: **3**  
O&M Grade: **0**  
Clock Start/From: **12**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **S03**  
Within 8" of Joint: **YES**  
Remarks:

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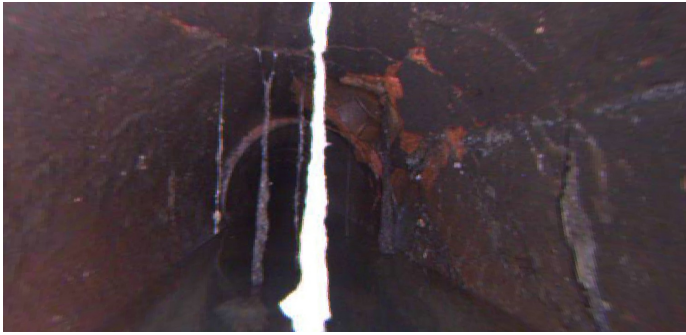
Code: **RMJ**  
Description: **Roots Medium Joint**



Distance (ft): **6.7**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **11**  
Clock To: **12**  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

---

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



Distance (ft): **19.0**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **11**  
Clock To: **3**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint:  
Remarks:

---

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



Distance (ft): **20.2**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **2**  
Clock To:  
1st Value: **4.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint:  
Remarks: **roos**

Code: **RFL**  
Description: **Roots Fine Lateral**



Distance (ft): **20.2**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **2**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

---

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



Distance (ft): **24.0**  
Structural Grade: **3**  
O&M Grade: **0**  
Clock Start/From: **12**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **F03**  
Within 8" of Joint: **YES**  
Remarks:

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



Distance (ft): **24.0**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **9**  
Clock To: **11**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **S04**  
Within 8" of Joint: **YES**  
Remarks: **wandering**

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Code: **RMB**  
Description: **Roots Medium Barrel**



Distance (ft): **40.4**  
Structural Grade: **0**  
O&M Grade: **4**  
Clock Start/From: **12**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

---

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



Distance (ft): **44.8**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **9**  
Clock To: **3**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **S05**  
Within 8" of Joint: **YES**  
Remarks:

---

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



Distance (ft): **55.2**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **9**  
Clock To: **3**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **F05**  
Within 8" of Joint: **YES**  
Remarks:

---



Code: **B**  
Description: **Broken**



Distance (ft): **58.7**  
Structural Grade: **5**  
O&M Grade: **0**  
Clock Start/From: **10**  
Clock To: **12**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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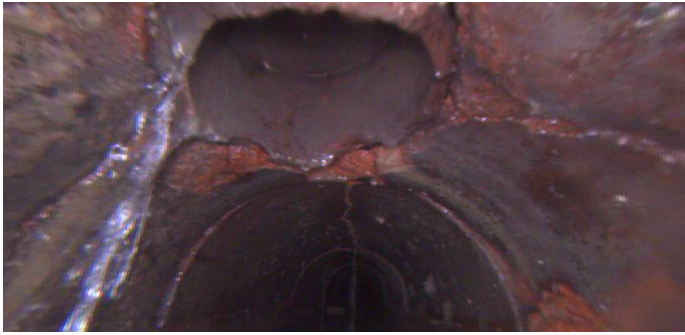
Code: **FM**  
Description: **Fracture Multiple**



Distance (ft): **58.7**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **8**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **S06**  
Within 8" of Joint: **YES**  
Remarks:

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Code: **TBA**  
Description: **Tap Break-in Active**



Distance (ft): **58.7**  
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: **YES**  
Remarks:

---

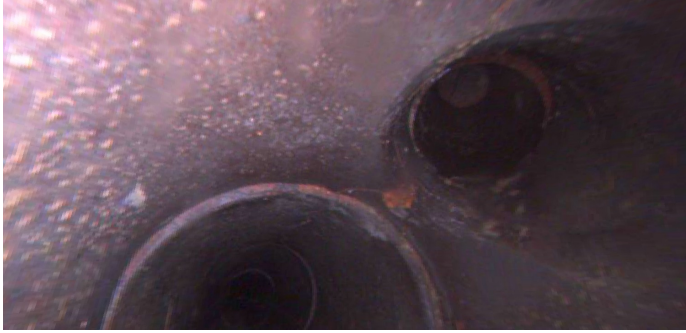
Code: **TBI**  
Description: **Tap Break-in Intruding**



Distance (ft): **80.0**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **11**  
Clock To:  
1st Value: **4.000**  
2nd Value: **1.000**  
Value Percent:  
Continuous Index:  
Within 8" of Joint:  
Remarks:

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



Distance (ft): **82.8**  
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:

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Code: **TB**  
Description: **Tap Break-in**



Distance (ft): **89.9**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From: **12**  
Clock To:  
1st Value: **6.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint:  
Remarks:

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



Distance (ft): **101.5**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **8**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **F06**  
Within 8" of Joint: **YES**  
Remarks:

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



Distance (ft): **115.1**  
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: **YES**  
Remarks:

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



Distance (ft): **118.5**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **1**  
Clock To:  
1st Value: **4.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint:  
Remarks: **dar**

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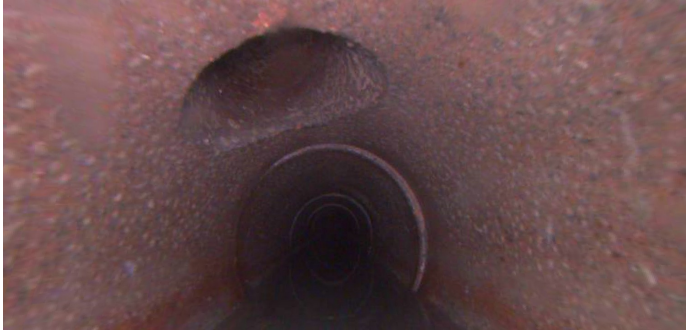
Code: **DAR**  
Description: **Deposits Attached Ragging**



Distance (ft): **118.5**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **12**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

---

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



Distance (ft): **129.0**  
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:  
Remarks:

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



Distance (ft): **131.7**  
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: **YES**  
Remarks:

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



Distance (ft): **140.1**  
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: **rfl**

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



Distance (ft): **140.1**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **11**  
Clock To: **12**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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Code: **RFC**  
Description: **Roots Fine Connection**



Distance (ft): **140.7**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **11**  
Clock To: **1**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

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Code: **RMJ**  
Description: **Roots Medium Joint**



Distance (ft): **141.7**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **7**  
Clock To: **5**  
1st Value:  
2nd Value:  
Value Percent: **20.000**  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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



Distance (ft): **155.3**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **9**  
Clock To: **11**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **F04**  
Within 8" of Joint: **YES**  
Remarks: **wandering**

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Code: **CM**  
Description: **Crack Multiple**



Distance (ft): **155.3**  
Structural Grade: **3**  
O&M Grade: **0**  
Clock Start/From: **7**  
Clock To: **12**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **F01**  
Within 8" of Joint:  
Remarks: **wandering**

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



Distance (ft): **155.3**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **12**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **F02**  
Within 8" of Joint: **NO**  
Remarks: **wandering**

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Code: **AMH**  
Description: **Manhole**



Distance (ft): **157.4**  
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: **M-504-089**