

## Profile/Photo Observation Report




Date:	<b>04/20/2018</b>	Weather:		Coding:	<b>PACP 6.0</b>
Pipe Length (ft):	<b>211.5</b>	Owner:	<b>NA</b>	Pre Clean:	<b>Not Known</b>
P.O.#:		Surveyor:	<b>Byrd Fitzgerald</b>	PSR:	<b>P-504-080-068</b>
Customer:		Clean Date:	<b>01/01/1900</b>	Shape:	<b>C</b>

Street:	<b>ALLEY BETWEEN N WISCONSIN ST &amp;</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>Upstream</b>
US MH:	<b>M-504-068</b>	DS MH:	<b>M-504-080</b>
		Total Length Surveyed (ft):	<b>206.5</b>

O&M Index:	<b>1.92</b>	O&M Quick:	<b>3D2F</b>	O&M Rating:	<b>192.00</b>
Structural Index:	<b>3.00</b>	Structural Quick:	<b>3G00</b>	Structural Rating:	<b>123.00</b>
Overall Index:	<b>2.23</b>	Overall Quick:	<b>3L2F</b>	Overall Rating:	<b>315.00</b>

	Position	Code	Observation	Video (sec)	Grade
	M-504-080				
	.0	AMH	Manhole	10	NA
	.0	MWL	Water Level	21	NA
	3.8	CM(S01)	Crack Multiple	41	S 3
	8.1	MMC	Material Change	63	NA
	27.9	MMC	Material Change	116	NA
	32.1	DAZ(S03)	Deposits Attached Other	139	M 2
	32.1	RFJ(S02)	Roots Fine Joint	151	M 1
	47.6	MMC	Material Change	196	NA
	47.6	MGO	General Observation	207	NA
	60.1	MMC	Material Change	244	NA
	64.2	TB	Tap Break-in	266	NA
	64.2	RMC	Roots Medium Connection	277	M 3
	73.2	TF	Tap Factory	309	NA
	73.2	RML(S04)	Roots Medium Lateral	320	M 3
	100.9	TBI	Tap Break-in Intruding	390	M 2
	121.9	MMC	Material Change	445	NA
	124.9	TF	Tap Factory	463	NA
	141.1	MMC	Material Change	508	NA
	141.1	MGO	General Observation	519	NA
	150.5	TF	Tap Factory	551	NA
	160.3	TF	Tap Factory	583	NA
	167.7	TBA	Tap Break-in Active	610	NA
	167.7	RFC	Roots Fine Connection	622	M 1
	176.3	TB	Tap Break-in	652	NA
	191.8	MMC	Material Change	697	NA
	194.3	TF	Tap Factory	716	NA
	194.3	MWL	Water Level	728	NA
	206.5	MSA	Abandoned Survey	763	NA
	206.5	RML(F04)	Roots Medium Lateral	775	M 3
	206.5	DAZ(F03)	Deposits Attached Other	786	M 2
	206.5	RFJ(F02)	Roots Fine Joint	797	M 1
	206.5	CM(F01)	Crack Multiple	808	S 3
	M-504-068				

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-504-068**

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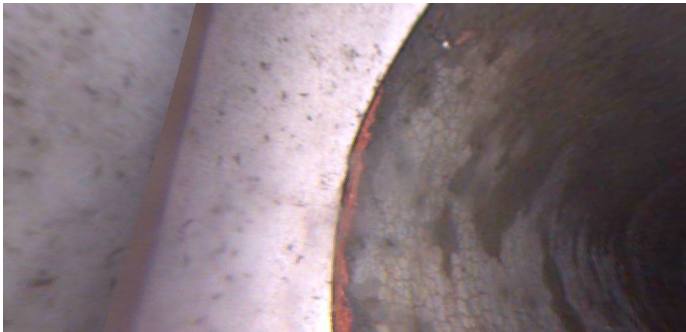
Code: **CM**  
Description: **Crack Multiple**



Distance (ft): **3.8**  
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: **YES**  
Remarks: **wandering**

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



Distance (ft): **8.1**  
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**

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



Distance (ft): **27.9**  
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: **DAZ**  
Description: **Deposits Attached Other**



Distance (ft): **32.1**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **7**  
Clock To: **5**  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index: **S03**  
Within 8" of Joint: **YES**  
Remarks: **wandering**

---

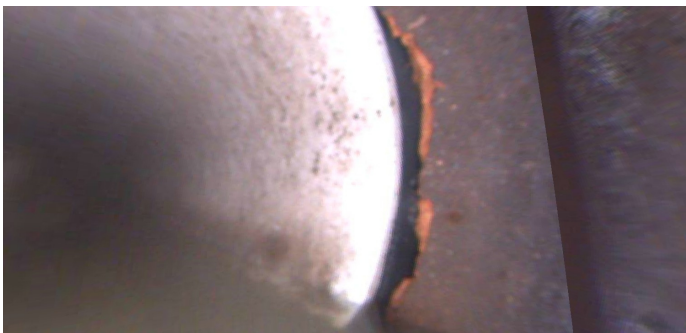
Code: **RFJ**  
Description: **Roots Fine Joint**



Distance (ft): **32.1**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **7**  
Clock To: **5**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **S02**  
Within 8" of Joint: **YES**  
Remarks: **wandering**

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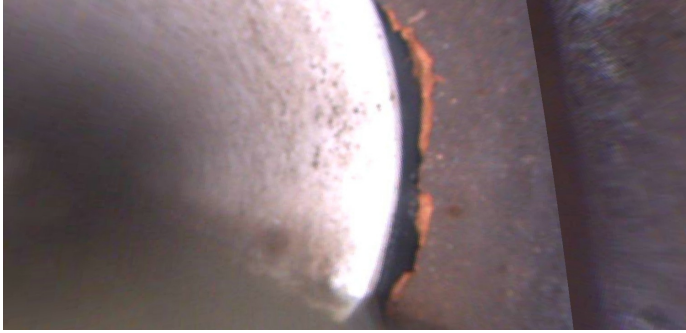
Code: **MMC**  
Description: **Material Change**



Distance (ft): **47.6**  
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: **MGO**  
Description: **General Observation**



Distance (ft): **47.6**  
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: **chipped at joint**

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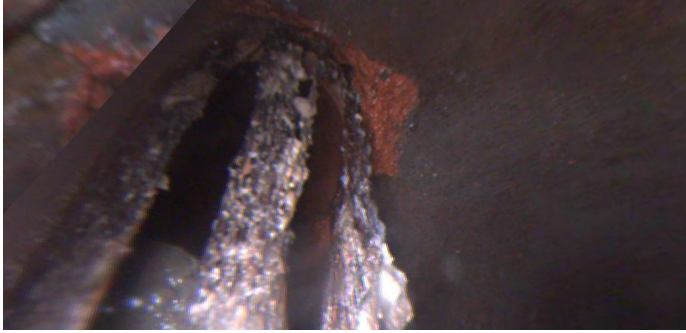
Code: **MMC**  
Description: **Material Change**



Distance (ft): **60.1**  
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**

---

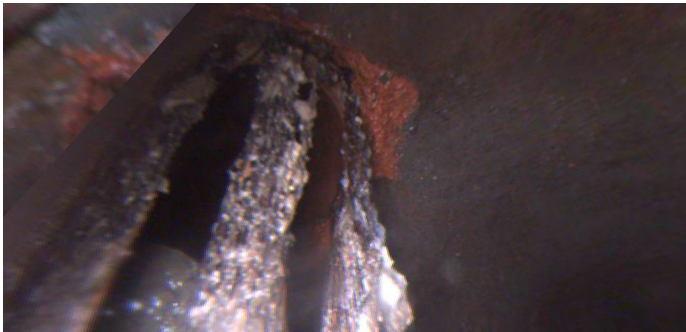
Code: **TB**  
Description: **Tap Break-in**



Distance (ft): **64.2**  
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:

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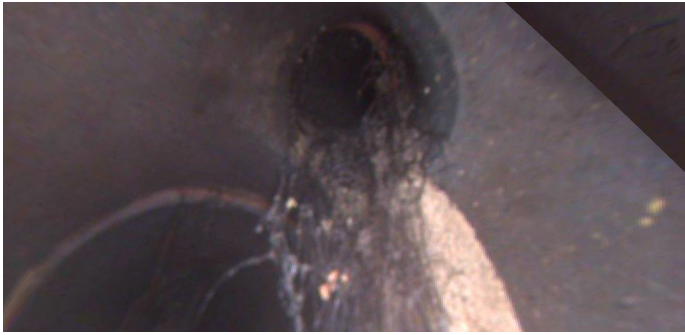
Code: **RMC**  
Description: **Roots Medium Connection**



Distance (ft): **64.2**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **12**  
Clock To: **12**  
1st Value:  
2nd Value:  
Value Percent: **10.000**  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks: **around tap**

---

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



Distance (ft): **73.2**  
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: **YES**  
Remarks:

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Code: **RML**  
Description: **Roots Medium Lateral**



Distance (ft): **73.2**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **2**  
Clock To: **5**  
1st Value:  
2nd Value:  
Value Percent: **10.000**  
Continuous Index: **S04**  
Within 8" of Joint: **NO**  
Remarks: **wandering in position from taps**

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



Distance (ft): **100.9**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **1**  
Clock To:  
1st Value: **4.000**  
2nd Value: **1.000**  
Value Percent:  
Continuous Index:  
Within 8" of Joint:  
Remarks:

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



Distance (ft): **121.9**  
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**

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



Distance (ft): **124.9**  
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: **YES**  
Remarks:

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



Distance (ft): **141.1**  
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**

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Code: **MGO**  
Description: **General Observation**



Distance (ft): **141.1**  
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: **chipped at joint**

---

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

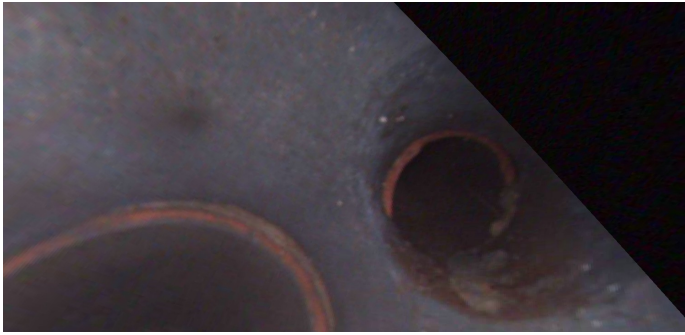


Distance (ft): **150.5**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From: **11**  
Clock To:  
1st Value: **4.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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



Distance (ft): **160.3**  
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: **YES**  
Remarks:

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



Distance (ft): **167.7**  
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:  
Remarks:

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



Distance (ft): **167.7**  
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:

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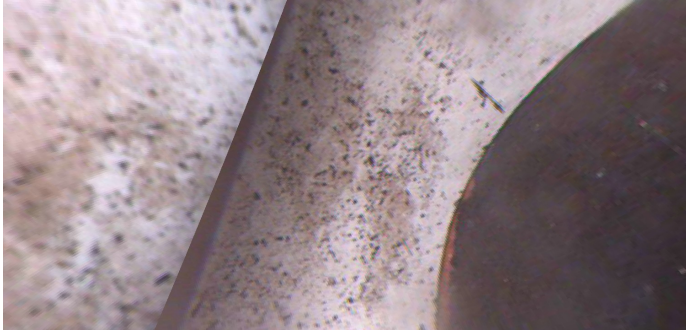
Code: **TB**  
Description: **Tap Break-in**



Distance (ft): **176.3**  
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:  
Remarks:

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



Distance (ft): **191.8**  
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): **194.3**  
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:

---

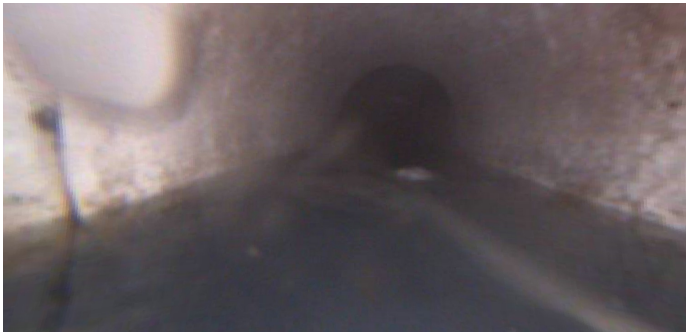
Code: **MWL**  
Description: **Water Level**



Distance (ft): **194.3**  
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: **NO**  
Remarks:

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



Distance (ft): **206.5**  
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: **no blockage**

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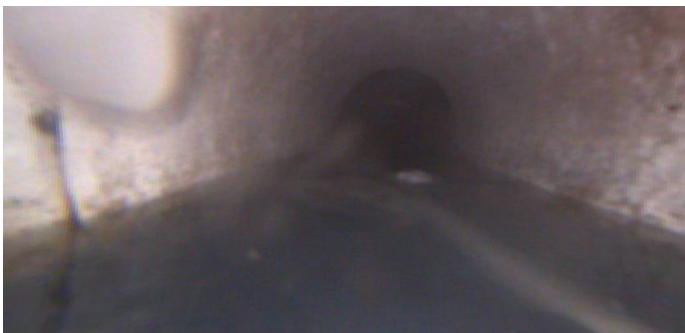
Code: **RML**  
Description: **Roots Medium Lateral**



Distance (ft): **206.5**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **2**  
Clock To: **5**  
1st Value:  
2nd Value:  
Value Percent: **10.000**  
Continuous Index: **F04**  
Within 8" of Joint: **NO**  
Remarks: **wandering in position from taps**

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Code: **DAZ**  
Description: **Deposits Attached Other**



Distance (ft): **206.5**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **7**  
Clock To: **5**  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index: **F03**  
Within 8" of Joint: **YES**  
Remarks: **wandering**

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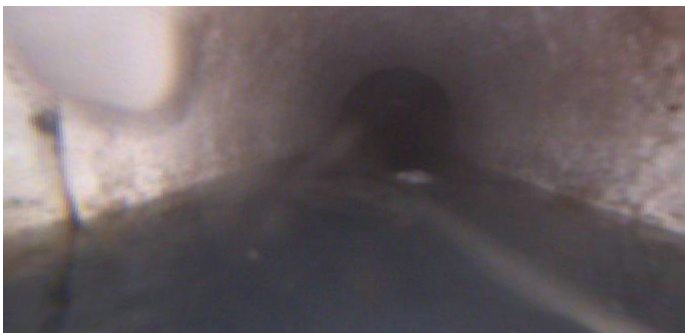
Code: **RFJ**  
Description: **Roots Fine Joint**



Distance (ft): **206.5**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **7**  
Clock To: **5**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **F02**  
Within 8" of Joint: **YES**  
Remarks: **wandering**

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



Distance (ft): **206.5**  
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: **YES**  
Remarks: **wandering**