


## Profile/Photo Observation Report



Date:	<b>03/19/2018</b>	Weather:		Coding:	<b>PACP 6.0</b>
Pipe Length (ft):	<b>288.5</b>	Owner:	<b>NA</b>	Pre Clean:	<b>No Pre-Cleaning</b>
P.O.#:		Surveyor:	<b>John Kuglmaier</b>	PSR:	<b>P-209-008-014</b>
Customer:		Clean Date:	<b>01/01/1900</b>	Shape:	<b>C</b>

Street:	<b>MINNESOTA ST</b>	Flow Control:	<b>Not Controlled</b>
City:	<b>Hobart, IN</b>	Year Renewed:	
Location:	<b>Light Highway</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 102 ft nothing visible . flow direction</b>		
Location Details:		Direction of Survey:	<b>Downstream</b>
US MH:	<b>M-209-014</b>	DS MH:	<b>M-209-008</b>
		Total Length Surveyed (ft):	<b>103.2</b>

O&M Index:	<b>2.08</b>	O&M Quick:	<b>4133</b>	O&M Rating:	<b>25.00</b>
Structural Index:	<b>2.91</b>	Structural Quick:	<b>4433</b>	Structural Rating:	<b>32.00</b>
Overall Index:	<b>2.48</b>	Overall Quick:	<b>4536</b>	Overall Rating:	<b>57.00</b>

	Position	Code	Observation	Video (sec)	Grade
					
	.0	AMH	Manhole	10	NA
	.0	MWL	Water Level	21	NA
	6.9	TBD	Tap Break-in Defective	47	M 3
	6.9	RFC	Roots Fine Connection	58	M 1
	15.9	RFJ	Roots Fine Joint	88	M 1
	20.0	CM	Crack Multiple	108	S 3
	28.3	CL	Crack Longitudinal	137	S 2
	29.7	TFC	Tap Factory Capped	152	NA
	34.8	FL	Fracture Longitudinal	175	S 3
	34.8	RFJ	Roots Fine Joint	187	M 1
	35.3	IW	Infil Weeper	199	M 2
	36.1	FM	Fracture Multiple	212	S 4
	36.1	IW	Infil Weeper	223	M 2
	38.7	CM	Crack Multiple	240	S 3
	47.0	RFJ	Roots Fine Joint	269	M 1
	47.0	FM	Fracture Multiple	281	S 4
	54.6	CC	Crack Circumferential	308	S 1
	63.6	DAZ	Deposits Attached Other	337	M 2
	75.4	MWL	Water Level	372	NA
	76.3	CL	Crack Longitudinal	386	S 2
	79.5	FM	Fracture Multiple	404	S 4
	80.1	CL	Crack Longitudinal	417	S 2
	84.1	FM	Fracture Multiple	437	S 4
	84.1	RMJ	Roots Medium Joint	448	M 3
	86.6	TFD	Tap Factory Defective	465	M 2
	86.6	RBC	Roots Ball Connection	476	M 4
	91.5	MWL	Water Level	497	NA
	100.3	RMJ	Roots Medium Joint	526	M 3
	101.8	TFC	Tap Factory Capped	541	NA
	103.2	MSA	Abandoned Survey	556	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-209-014**

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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: **25.000**  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

---

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



Distance (ft): **6.9**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **11**  
Clock To:  
1st Value: **4.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint:  
Remarks: **Roots**

---

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



Distance (ft): **6.9**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **11**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

---

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



Distance (ft): **15.9**  
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: **YES**  
Remarks:

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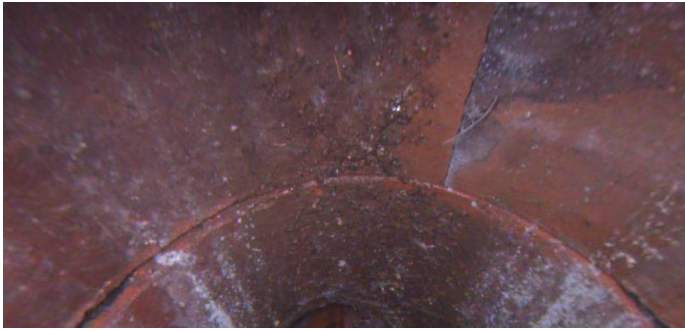
Code: **CM**  
Description: **Crack Multiple**



Distance (ft): **20.0**  
Structural Grade: **3**  
O&M Grade: **0**  
Clock Start/From: **11**  
Clock To: **2**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

---

Code: **CL**  
Description: **Crack Longitudinal**



Distance (ft): **28.3**  
Structural Grade: **2**  
O&M Grade: **0**  
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**

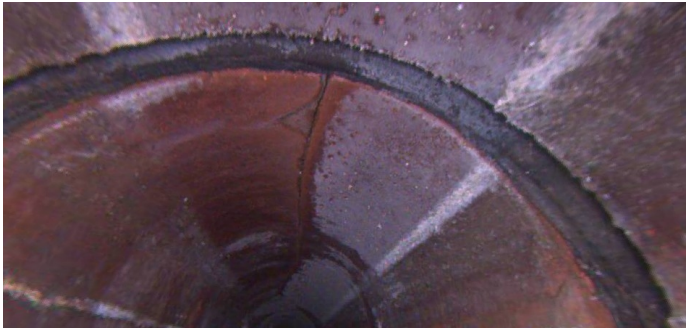


Distance (ft): **29.7**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From: **11**  
Clock To:  
1st Value: **4.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint:  
Remarks:

---



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



Distance (ft): **34.8**  
Structural Grade: **3**  
O&M Grade: **0**  
Clock Start/From: **1**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

---

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



Distance (ft): **34.8**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **8**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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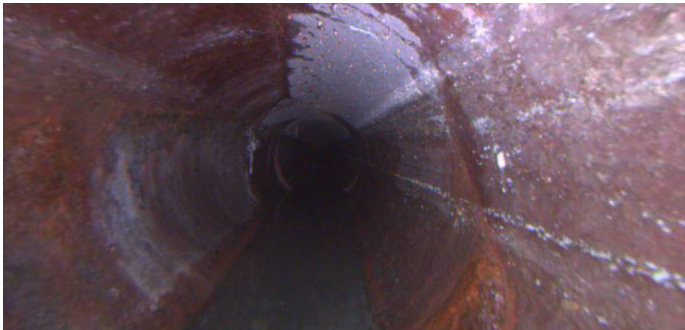
Code: **IW**  
Description: **Infil Weeper**



Distance (ft): **35.3**  
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:  
Remarks:

---

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

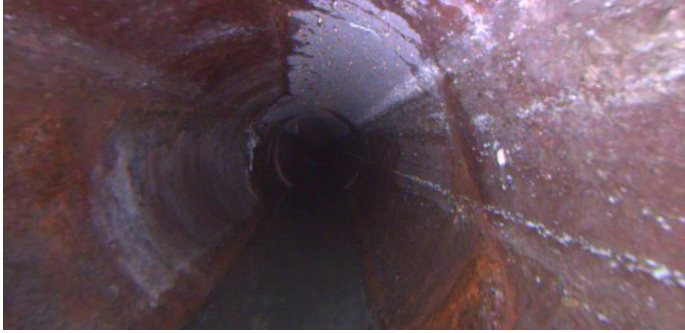


Distance (ft): **36.1**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **8**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint:  
Remarks:

---



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



Distance (ft): **36.1**  
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:  
Remarks:

---

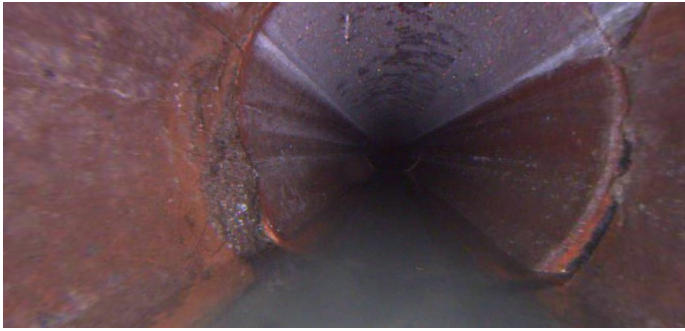
Code: **CM**  
Description: **Crack Multiple**



Distance (ft): **38.7**  
Structural Grade: **3**  
O&M Grade: **0**  
Clock Start/From: **11**  
Clock To: **1**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

---

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



Distance (ft): **47.0**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **8**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

---

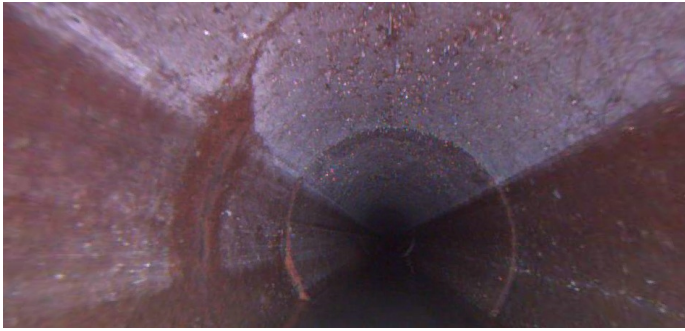
Code: **FM**  
Description: **Fracture Multiple**



Distance (ft): **47.0**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **11**  
Clock To: **2**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

---

Code: **CC**  
Description: **Crack Circumferential**



Distance (ft): **54.6**  
Structural Grade: **1**  
O&M Grade: **0**  
Clock Start/From: **8**  
Clock To: **11**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint:  
Remarks:

---

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



Distance (ft): **63.6**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **8**  
Clock To: **9**  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks: **Mixed materials**

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



Distance (ft): **75.4**  
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: **CL**  
Description: **Crack Longitudinal**



Distance (ft): **76.3**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From: **12**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

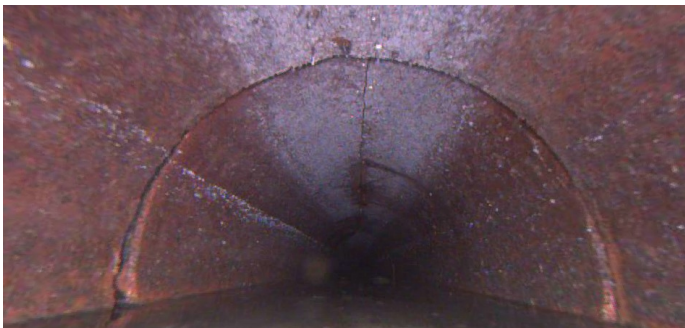
Code: **FM**  
Description: **Fracture Multiple**



Distance (ft): **79.5**  
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: **CL**  
Description: **Crack Longitudinal**

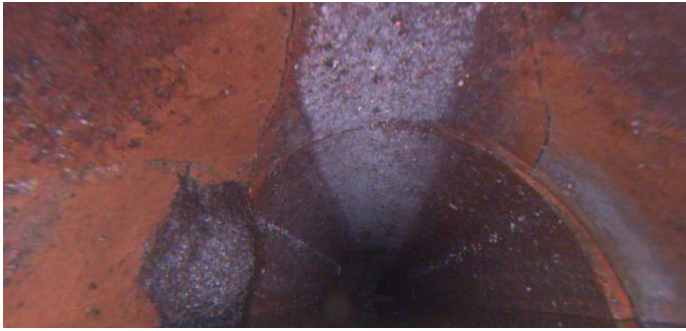


Distance (ft): **80.1**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From: **12**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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



Distance (ft): **84.1**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **11**  
Clock To: **1**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

---

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



Distance (ft): **84.1**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **9**  
Clock To: **10**  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

---



Code: **TFD**  
Description: **Tap Factory Defective**



Distance (ft): **86.6**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **11**  
Clock To:  
1st Value: **4.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint:  
Remarks: **Roots**

---

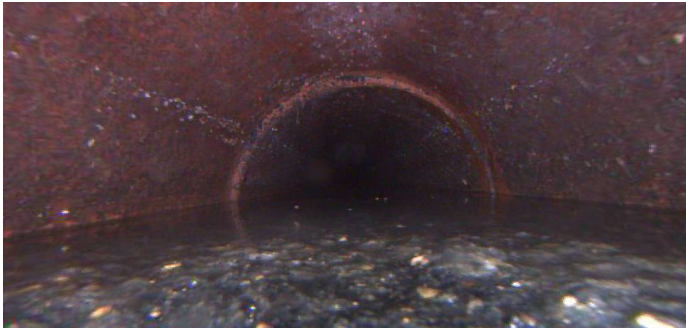
Code: **RBC**  
Description: **Roots Ball Connection**



Distance (ft): **86.6**  
Structural Grade: **0**  
O&M Grade: **4**  
Clock Start/From: **11**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **100.000**  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

---

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



Distance (ft): **91.5**  
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: **RMJ**  
Description: **Roots Medium Joint**



Distance (ft): **100.3**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **9**  
Clock To: **3**  
1st Value:  
2nd Value:  
Value Percent: **25.000**  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

---

Code: **TFC**  
Description: **Tap Factory Capped**



Distance (ft): **101.8**  
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: **MSA**  
Description: **Abandoned Survey**



Distance (ft): **103.2**  
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: **Unknown**