

## Profile/Photo Observation Report

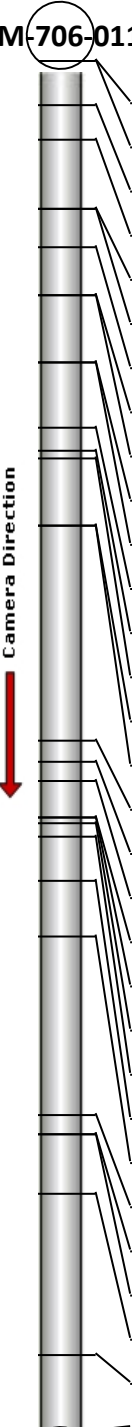


Date:	<b>05/01/2018</b>	Weather:		Coding:	<b>PACP 6.0</b>
Pipe Length (ft):		Owner:	<b>City of Hobart</b>	Pre Clean:	<b>Not Known</b>
P.O.#:	<b>278</b>	Surveyor:	<b>B. Helbling</b>	PSR:	<b>P-706-011.1-011</b>
Customer:	<b>City of Hobart</b>	Clean Date:		Shape:	<b>C</b>

Street:	<b>Lake Street</b>	Flow Control:	<b>Not Controlled</b>
City:	<b>Hobart, IN</b>	Year Renewed:	
Location:	<b>Light Highway</b>	Tape/Media #:	<b>DEP278</b>
Purpose:	<b>Routine Assessment</b>	Dia/Height:	<b>12"</b>
Use:	<b>Sanitary</b>	Material:	<b>PVC</b>
Drain Area:		Lining:	
Category:	<b>NA</b>		
Comment:	<b>5-21-2018</b>		

Location Details:		Direction of Survey:	<b>Downstream</b>
US MH:	<b>M-706-011</b>	DS MH:	<b>M-706-011.1</b>
		Total Length Surveyed (ft):	<b>203.0</b>

O&M Index:	<b>1.75</b>	O&M Quick:	<b>3315</b>	O&M Rating:	<b>14.00</b>
Structural Index:	<b>3.25</b>	Structural Quick:	<b>5239</b>	Structural Rating:	<b>39.00</b>
Overall Index:	<b>2.65</b>	Overall Quick:	<b>523A</b>	Overall Rating:	<b>53.00</b>

	Position	Code	Observation	Video (sec)	Grade
<b>M-706-011</b>					
	.0	AMH	Manhole	0	NA
	.0	MWL	Water Level	14	NA
	6.6	MMC	Material Change	86	NA
	11.8	RFJ	Roots Fine Joint	141	M 1
	21.9	RFJ	Roots Fine Joint	193	M 1
	21.9	CL	Crack Longitudinal	211	S 2
	27.5	RFJ	Roots Fine Joint	247	M 1
	34.7	TBD	Tap Break-in Defective	300	M 3
	34.7	RFL	Roots Fine Lateral	320	M 1
	44.6	TBD	Tap Break-in Defective	385	M 3
	44.6	RFL	Roots Fine Lateral	403	M 1
	54.4	TFC	Tap Factory Capped	464	NA
	57.7	TFC	Tap Factory Capped	497	NA
	59.0	FS	Fracture Spiral	524	S 3
	68.9	HSV	Hole Soil Visible	599	S 5
	68.9	TBD	Tap Break-in Defective	657	M 3
	100.9	TB	Tap Break-in	764	NA
	104.0	TFC	Tap Factory Capped	789	NA
	106.9	TFC	Tap Factory Capped	819	NA
	112.3	FS	Fracture Spiral	862	S 3
	112.3	TBA	Tap Break-in Active	882	NA
	113.0	TBA	Tap Break-in Active	912	NA
	115.0	FL(S01)	Fracture Longitudinal	1013	S 3
	121.6	FL(F01)	Fracture Longitudinal	1059	S 3
	129.8	FL(S02)	Fracture Longitudinal	1096	S 3
	156.3	TFC	Tap Factory Capped	1193	NA
	159.1	TF	Tap Factory	1223	NA
	159.1	FL(F02)	Fracture Longitudinal	1247	S 3
	168.0	TB	Tap Break-in	1382	NA
	191.9	SMW	Surface Missing Wall	1613	S 5
	203.0	AMH	Manhole	1717	NA
<b>M-706-011.1</b>					



Code:	<b>AMH</b>
Description:	<b>Manhole</b>
Distance (ft):	<b>.0</b>
Structural Grade:	<b>0</b>
O&M Grade:	<b>0</b>
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	<b>NO</b>
Remarks:	<b>M-706-011.1</b>

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Code:	<b>MWL</b>
Description:	<b>Water Level</b>
Distance (ft):	<b>.0</b>
Structural Grade:	<b>0</b>
O&M Grade:	<b>0</b>
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	<b>5.000</b>
Continuous Index:	
Within 8" of Joint:	<b>NO</b>
Remarks:	

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Code:	<b>MMC</b>
Description:	<b>Material Change</b>
Distance (ft):	<b>6.6</b>
Structural Grade:	<b>0</b>
O&M Grade:	<b>0</b>
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	<b>NO</b>
Remarks:	<b>Change from PVC to VCP.</b>

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Code:	<b>RFJ</b>
Description:	<b>Roots Fine Joint</b>
Distance (ft):	<b>11.8</b>
Structural Grade:	<b>0</b>
O&M Grade:	<b>1</b>
Clock Start/From:	<b>2</b>
Clock To:	<b>5</b>
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	<b>YES</b>
Remarks:	

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

Distance (ft): **21.9**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **9**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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

Distance (ft): **21.9**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From: **9**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

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

Distance (ft): **27.5**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **2**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

---



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

Distance (ft): **34.7**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **3**  
Clock To:  
1st Value: **6.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks: **Defective**

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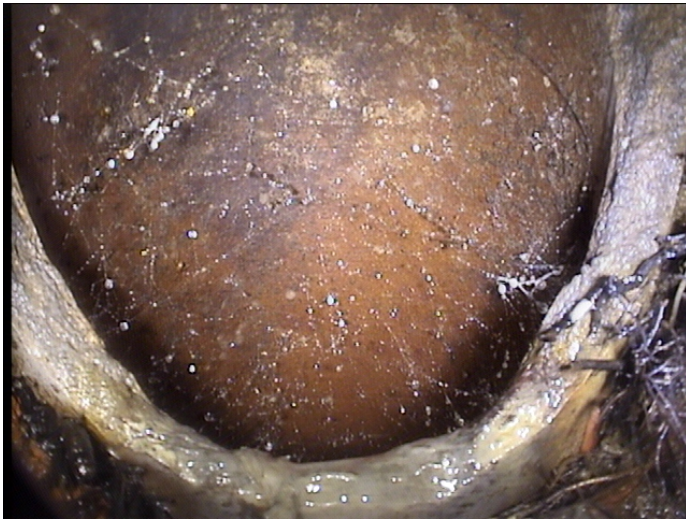




Code: **RFL**  
Description: **Roots Fine Lateral**

Distance (ft): **34.7**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **2**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

---



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

Distance (ft): **44.6**  
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: **NO**  
Remarks: **Defective**

---



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

Distance (ft): **44.6**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **8**  
Clock To: **11**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

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

Distance (ft): **54.4**  
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: **NO**  
Remarks:

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

Distance (ft): **57.7**  
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: **NO**  
Remarks:

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Code: **FS**  
Description: **Fracture Spiral**

Distance (ft): **59.0**  
Structural Grade: **3**  
O&M Grade: **0**  
Clock Start/From: **7**  
Clock To: **8**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

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Code: **HSV**  
Description: **Hole Soil Visible**

Distance (ft): **68.9**  
Structural Grade: **5**  
O&M Grade: **0**  
Clock Start/From: **10**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

---



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

Distance (ft): **68.9**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **9**  
Clock To:  
1st Value: **6.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks: **Defective**

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

Distance (ft): **100.9**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From: **2**  
Clock To:  
1st Value: **6.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

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

Distance (ft): **104.0**  
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: **NO**  
Remarks:

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

Distance (ft): **106.9**  
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: **NO**  
Remarks:

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Code: **FS**  
Description: **Fracture Spiral**

Distance (ft): **112.3**  
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: **NO**  
Remarks:

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

Distance (ft): **112.3**  
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: **NO**  
Remarks:

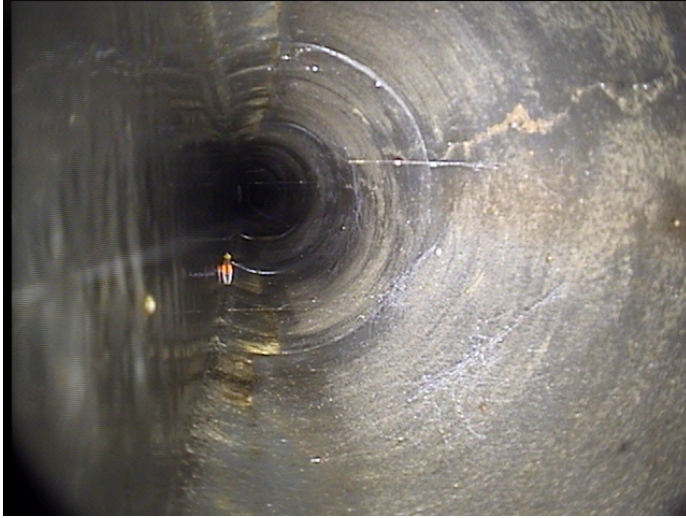
---



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

Distance (ft): **113.0**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From: **9**  
Clock To:  
1st Value: **6.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

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

Distance (ft): **115.0**  
Structural Grade: **3**  
O&M Grade: **0**  
Clock Start/From: **12**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **S01**  
Within 8" of Joint: **NO**  
Remarks:

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

Distance (ft): **121.6**  
Structural Grade: **3**  
O&M Grade: **0**  
Clock Start/From: **12**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **F01**  
Within 8" of Joint: **NO**  
Remarks:

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

Distance (ft): **129.8**  
Structural Grade: **3**  
O&M Grade: **0**  
Clock Start/From: **12**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **S02**  
Within 8" of Joint: **NO**  
Remarks:

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

Distance (ft): **156.3**  
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: **NO**  
Remarks:

---



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

Distance (ft): **159.1**  
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: **NO**  
Remarks:



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

Distance (ft): **159.1**  
Structural Grade: **3**  
O&M Grade: **0**  
Clock Start/From: **12**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **F02**  
Within 8" of Joint: **NO**  
Remarks:



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

Distance (ft): **168.0**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From: **9**  
Clock To:  
1st Value: **6.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

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Code: **SMW**  
Description: **Surface Missing Wall**

Distance (ft): **191.9**  
Structural Grade: **5**  
O&M Grade: **0**  
Clock Start/From: **12**  
Clock To: **3**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

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Code:	AMH
Description:	Manhole
Distance (ft):	203.0
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-706-011