

# Profile/Photo Observation Report



Date:	<b>04/22/2018</b>	Weather:		Coding:	<b>PACP 6.0</b>
Pipe Length (ft):	<b>329.5</b>	Owner:	<b>NA</b>	Pre Clean:	<b>No Pre-Cleaning</b>
P.O.#:		Surveyor:	<b>Byrd Fitzgerald</b>	PSR:	<b>P-504-053-052</b>
Customer:		Clean Date:	<b>01/01/1900</b>	Shape:	<b>C</b>

Street:	<b>FOXCROFT STREET</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>12"</b>
Use:	<b>Sanitary</b>	Material:	<b>CP</b>
Drain Area:	<b>NA</b>	Lining:	
Category:	<b>NA</b>		
Comment:	<b>P_C at 298ft nothing visible . Flow direction wrong</b>		
Location Details:		Direction of Survey:	<b>Upstream</b>
US MH:	<b>M-504-052</b>	DS MH:	<b>M-504-053</b>
		Total Length Surveyed (ft):	<b>299.1</b>

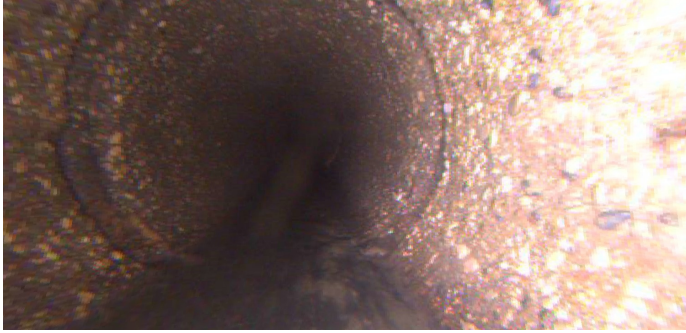
O&M Index:	<b>1.43</b>	O&M Quick:	<b>322C</b>	O&M Rating:	<b>86.00</b>
Structural Index:	<b>2.34</b>	Structural Quick:	<b>423U</b>	Structural Rating:	<b>396.00</b>
Overall Index:	<b>2.10</b>	Overall Quick:	<b>423U</b>	Overall Rating:	<b>482.00</b>

	Position	Code	Observation	Video (sec)	Grade
			<b>M-504-053</b>		
	.0	AMH	Manhole	10	NA
	.0	MWL	Water Level	21	NA
	.0	SAV(S01)	Surface Aggregate Visible	33	S 3
	17.5	CC	Crack Circumferential	80	S 1
	26.1	CC(S02)	Crack Circumferential	110	S 1
	46.8	CL	Crack Longitudinal	164	S 2
	49.0	CM(S04)	Crack Multiple	181	S 3
	52.3	MMC	Material Change	200	NA
	57.8	TF	Tap Factory	224	NA
	61.1	TF	Tap Factory	242	NA
	92.0	TF	Tap Factory	318	NA
	93.9	RPR	Repair Point Pipe Replaced	337	NA
	95.3	MMC	Material Change	354	NA
	95.3	TF	Tap Factory	367	NA
	106.7	TBA	Tap Break-in Active	401	NA
	122.4	MGO	General Observation	444	NA
	126.8	RFJ	Roots Fine Joint	465	M 1
	130.1	FM	Fracture Multiple	485	S 4
	130.1	TF	Tap Factory	496	NA

130.1	RML	Roots Medium Lateral	507	M 3
130.1	MMC	Material Change	520	NA
131.6	RFJ(S03)	Roots Fine Joint	535	M 1
133.2	TF	Tap Factory	551	NA
133.2	TF	Tap Factory	564	NA
151.1	TF	Tap Factory	614	NA
151.1	RFC	Roots Fine Connection	625	M 1
167.1	MMC	Material Change	671	NA
167.1	TF	Tap Factory	684	NA
168.6	FM	Fracture Multiple	699	S 4
170.3	TF	Tap Factory	716	NA
170.3	MMC	Material Change	729	NA
177.1	RFB	Roots Fine Barrel	754	M 2
192.1	DSZ(S05)	Deposits Settled Other	796	M 2
203.3	TF	Tap Factory	831	NA
204.5	MMC	Material Change	845	NA
240.1	MMC	Material Change	929	NA
240.1	TF	Tap Factory	940	NA
242.6	TF	Tap Factory	957	NA
244.3	MMC	Material Change	973	NA
280.5	TF	Tap Factory	1058	NA
280.5	RML	Roots Medium Lateral	1070	M 3
282.4	TF	Tap Factory	1086	NA
299.1	MSA	Abandoned Survey	1131	NA
299.1	SAV(F01)	Surface Aggregate Visible	1142	S 3
299.1	CC(F02)	Crack Circumferential	1153	S 1
299.1	CM(F04)	Crack Multiple	1164	S 3
299.1	RFJ(F03)	Roots Fine Joint	1175	M 1
299.1	DSZ(F05)	Deposits Settled Other	1186	M 2

M-504-052

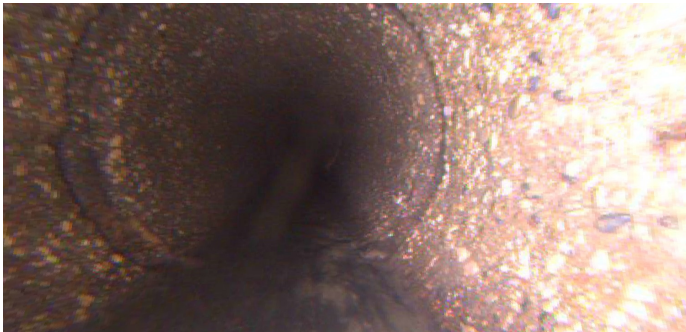
Code: **AMH**  
Description: **Manhole**



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-504-053**

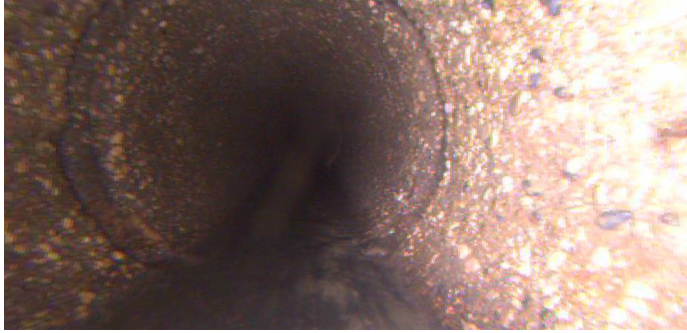
---

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



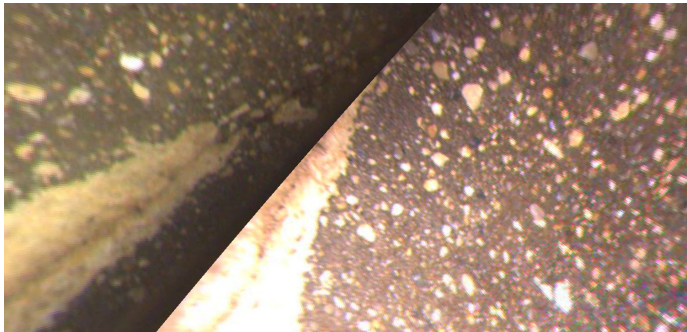
Distance (ft): **.0**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

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Code:	<b>SAV</b>
Description:	<b>Surface Aggregate Visible</b>
Distance (ft):	<b>.0</b>
Structural Grade:	<b>3</b>
O&M Grade:	<b>0</b>
Clock Start/From:	<b>7</b>
Clock To:	<b>5</b>
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	<b>S01</b>
Within 8" of Joint:	<b>NO</b>
Remarks:	

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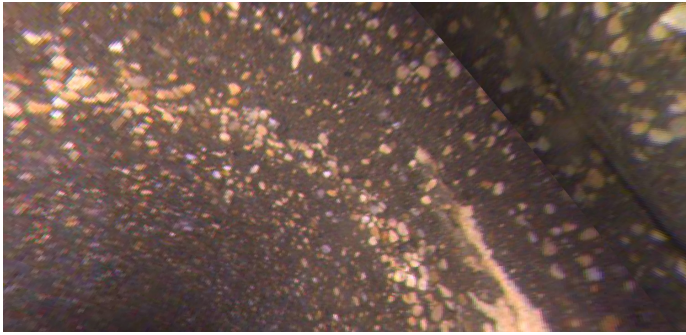


Code:	<b>CC</b>
Description:	<b>Crack Circumferential</b>
Distance (ft):	<b>17.5</b>
Structural Grade:	<b>1</b>
O&M Grade:	<b>0</b>
Clock Start/From:	<b>7</b>
Clock To:	<b>5</b>
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	
Remarks:	

---



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



Distance (ft): **26.1**  
Structural Grade: **1**  
O&M Grade: **0**  
Clock Start/From: **7**  
Clock To: **5**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **S02**  
Within 8" of Joint:  
Remarks:

---

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



Distance (ft): **46.8**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From: **3**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint:  
Remarks:

---

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



Distance (ft): **49.0**  
Structural Grade: **3**  
O&M Grade: **0**  
Clock Start/From: **7**  
Clock To: **5**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **S04**  
Within 8" of Joint:  
Remarks: **wandering**

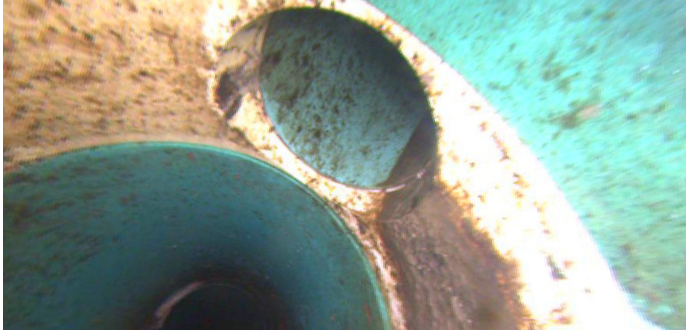
---

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



Distance (ft): **52.3**  
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**

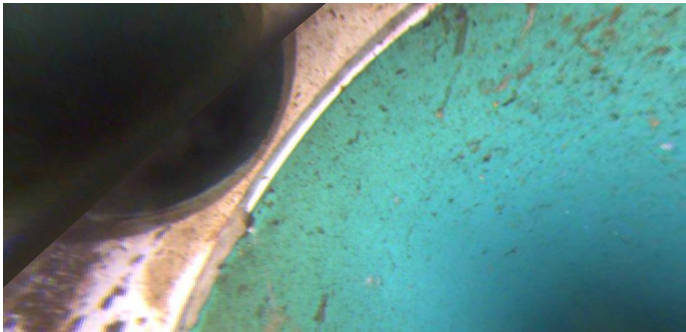
---



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

Distance (ft): **57.8**  
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: **TF**  
Description: **Tap Factory**

Distance (ft): **61.1**  
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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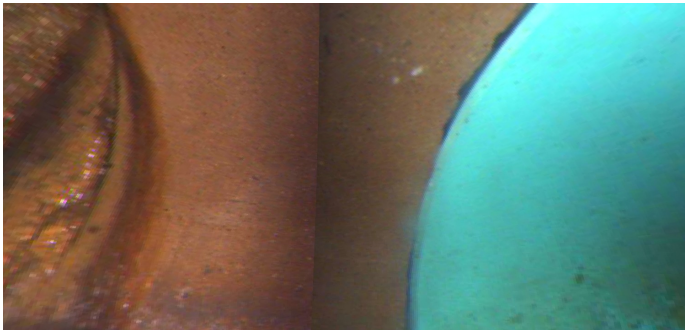
Code: **TF**  
Description: **Tap Factory**



Distance (ft): **92.0**  
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: **YES**  
Remarks:

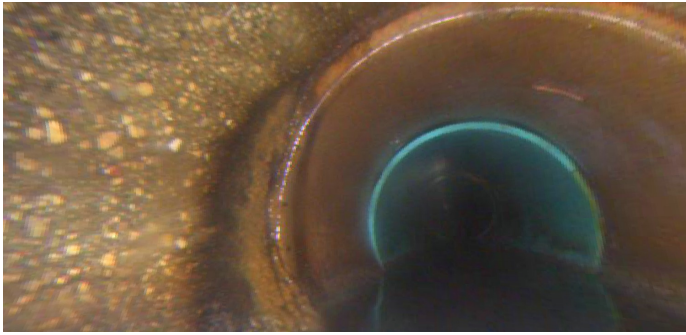
---

Code: **RPR**  
Description: **Repair Point Pipe Replaced**



Distance (ft): **93.9**  
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**

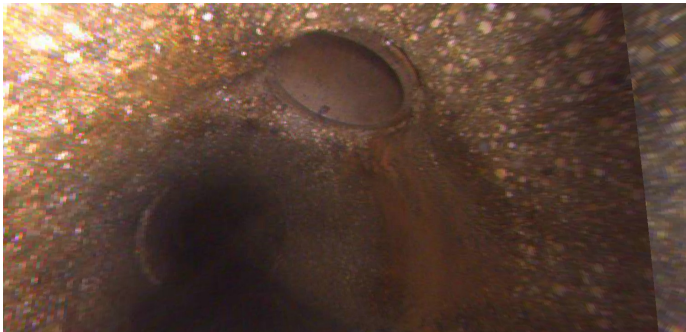
Code: **MMC**  
Description: **Material Change**



Distance (ft): **95.3**  
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: **concrete**

---

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



Distance (ft): **95.3**  
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: **YES**  
Remarks:

---



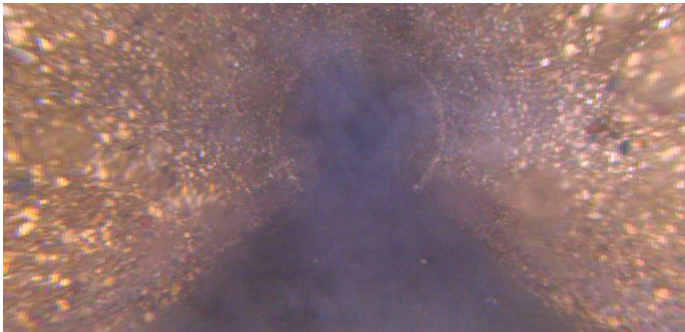
Code: **TBA**  
Description: **Tap Break-in Active**



Distance (ft): **106.7**  
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:  
Remarks:

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

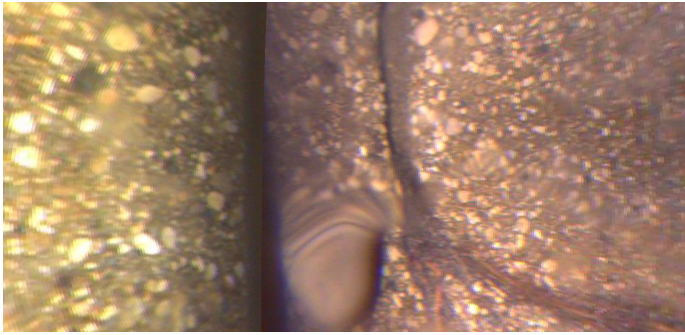


Distance (ft): **122.4**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks: **steam in line**

---



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



Distance (ft): **126.8**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **7**  
Clock To: **5**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

---

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



Distance (ft): **130.1**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **7**  
Clock To: **5**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

---

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



Distance (ft): **130.1**  
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: **RML**  
Description: **Roots Medium Lateral**



Distance (ft): **130.1**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **7**  
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): **130.1**  
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**

---

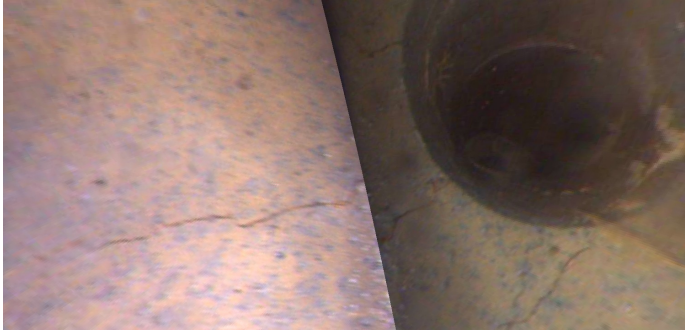
Code: **RFJ**  
Description: **Roots Fine Joint**



Distance (ft): **131.6**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **7**  
Clock To: **5**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **S03**  
Within 8" of Joint: **YES**  
Remarks:

---

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



Distance (ft): **133.2**  
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:  
Remarks:

---

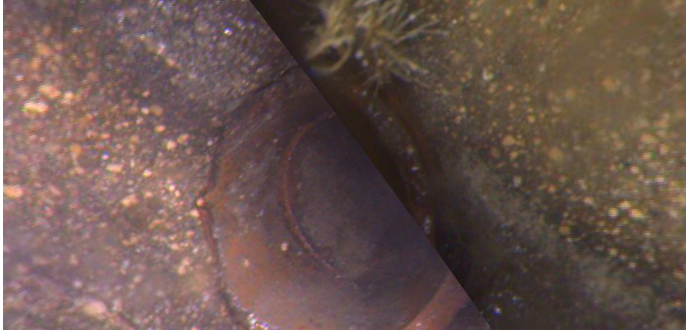
Code: **TF**  
Description: **Tap Factory**



Distance (ft): **133.2**  
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:

---

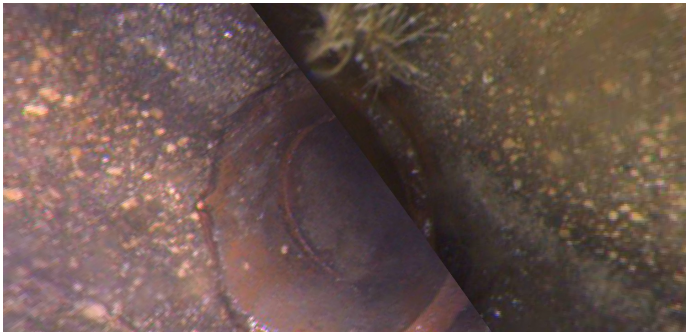
Code: **TF**  
Description: **Tap Factory**



Distance (ft): **151.1**  
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:

---

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

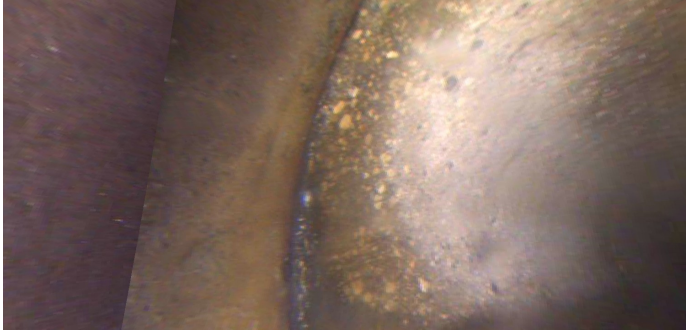


Distance (ft): **151.1**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **1**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

---



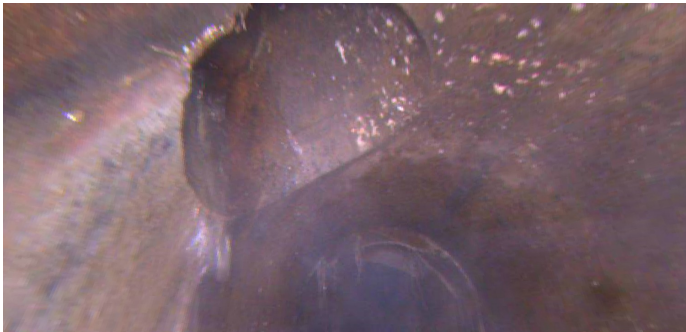
Code: **MMC**  
Description: **Material Change**



Distance (ft): **167.1**  
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: **TF**  
Description: **Tap Factory**

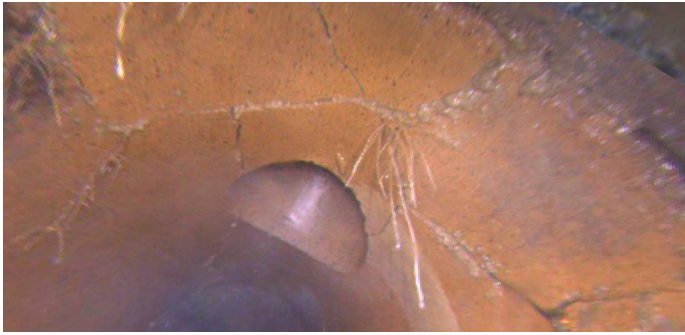


Distance (ft): **167.1**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From: **11**  
Clock To:  
1st Value: **4.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint:  
Remarks:

---



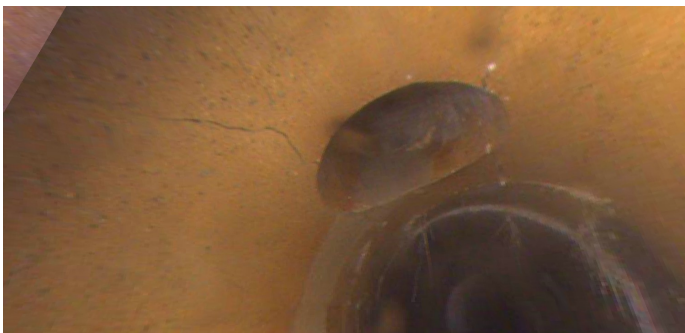
Code: **FM**  
Description: **Fracture Multiple**



Distance (ft): **168.6**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **7**  
Clock To: **5**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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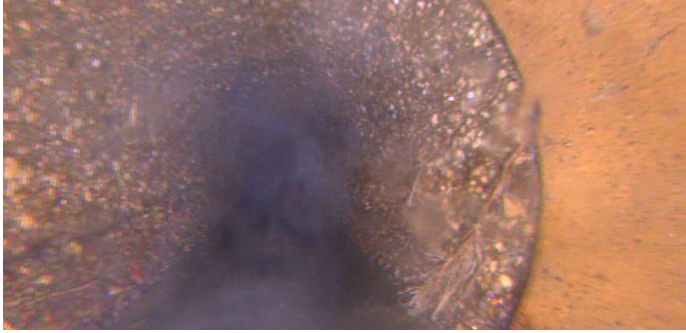
Code: **TF**  
Description: **Tap Factory**



Distance (ft): **170.3**  
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: **YES**  
Remarks:

---

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



Distance (ft): **170.3**  
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: **concrete**

---

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



Distance (ft): **177.1**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **12**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

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Code: **DSZ**  
Description: **Deposits Settled Other**



Distance (ft): **192.1**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **6**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index: **S05**  
Within 8" of Joint: **NO**  
Remarks: **tissue/debris**

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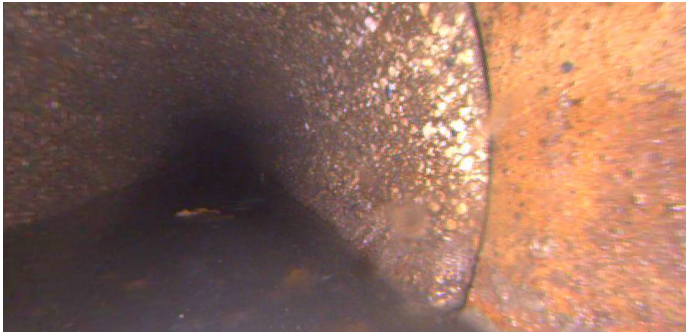
Code: **TF**  
Description: **Tap Factory**



Distance (ft): **203.3**  
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:

---

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



Distance (ft): **204.5**  
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: **concrete**

---

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



Distance (ft): **240.1**  
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**

---

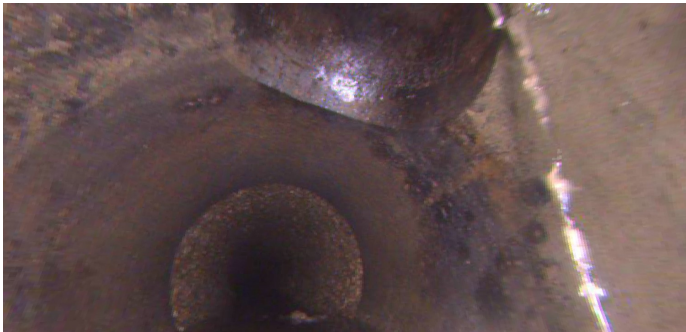
Code: **TF**  
Description: **Tap Factory**



Distance (ft): **240.1**  
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:

---

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



Distance (ft): **242.6**  
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:

---



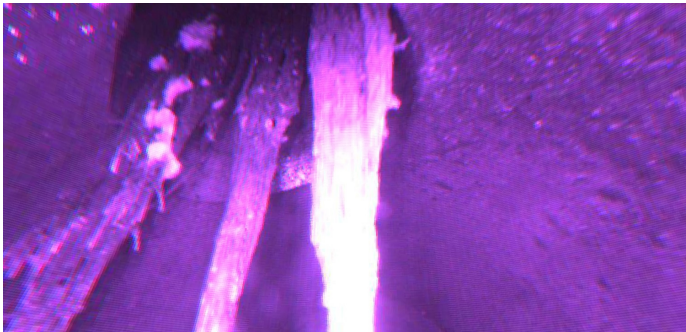
Code: **MMC**  
Description: **Material Change**



Distance (ft): **244.3**  
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: **concrete**

---

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

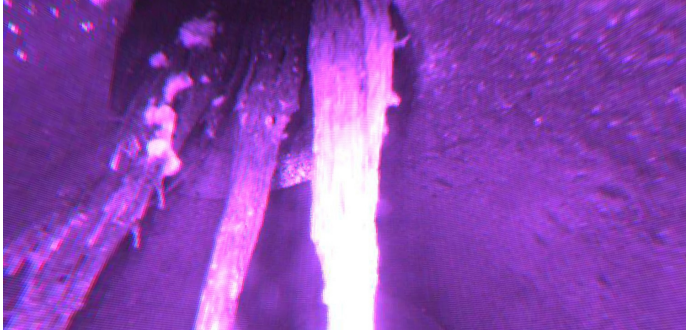


Distance (ft): **280.5**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From: **11**  
Clock To:  
1st Value: **4.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint:  
Remarks:

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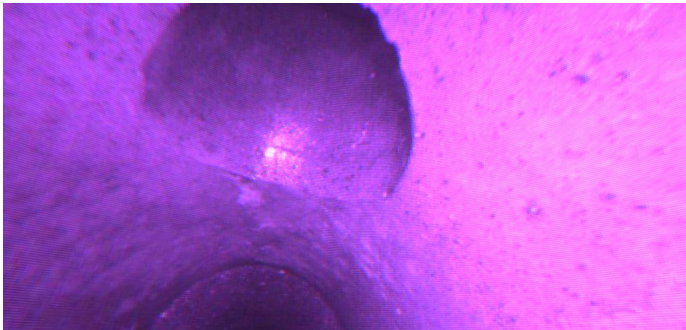
Code: **RML**  
Description: **Roots Medium Lateral**



Distance (ft): **280.5**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **11**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

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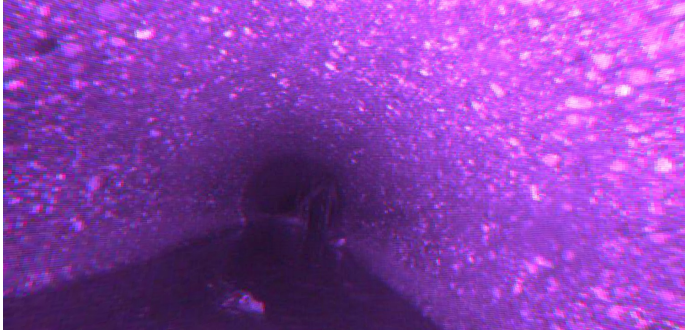
Code: **TF**  
Description: **Tap Factory**



Distance (ft): **282.4**  
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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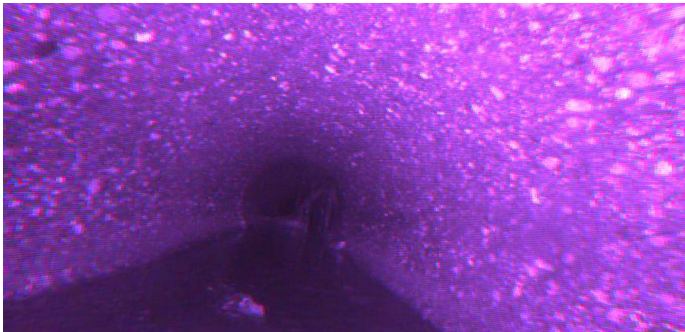
Code: **MSA**  
Description: **Abandoned Survey**



Distance (ft): **299.1**  
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: **no blockage**

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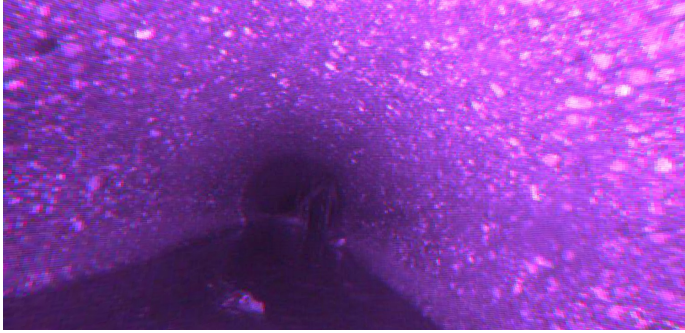
Code: **SAV**  
Description: **Surface Aggregate Visible**



Distance (ft): **299.1**  
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: **NO**  
Remarks:

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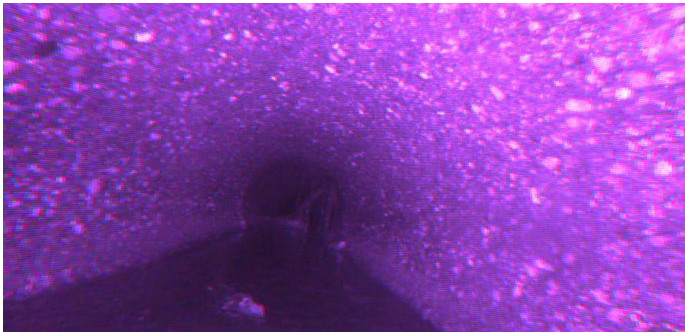
Code: **CC**  
Description: **Crack Circumferential**



Distance (ft): **299.1**  
Structural Grade: **1**  
O&M Grade: **0**  
Clock Start/From: **7**  
Clock To: **5**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **F02**  
Within 8" of Joint:  
Remarks:

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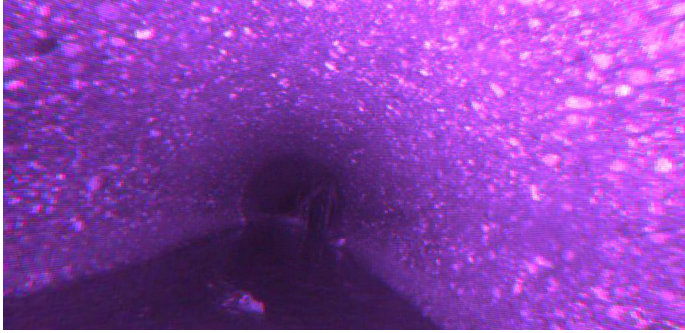
Code: **CM**  
Description: **Crack Multiple**



Distance (ft): **299.1**  
Structural Grade: **3**  
O&M Grade: **0**  
Clock Start/From: **7**  
Clock To: **5**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **F04**  
Within 8" of Joint:  
Remarks: **wandering**

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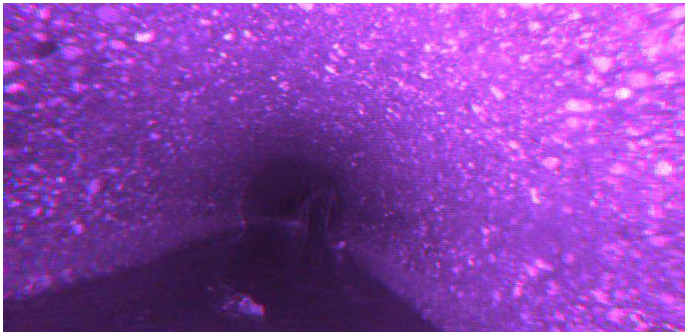
Code: **RFJ**  
Description: **Roots Fine Joint**



Distance (ft): **299.1**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **7**  
Clock To: **5**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **F03**  
Within 8" of Joint: **YES**  
Remarks:

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Code: **DSZ**  
Description: **Deposits Settled Other**



Distance (ft): **299.1**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **6**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index: **F05**  
Within 8" of Joint: **NO**  
Remarks: **tissue/debris**