

## Profile/Photo Observation Report




Date:	<b>04/25/2018</b>	Weather:		Coding:	<b>PACP 6.0</b>
Pipe Length (ft):	<b>189.5</b>	Owner:	<b>NA</b>	Pre Clean:	<b>Not Known</b>
P.O.#:		Surveyor:	<b>Jen Costello</b>	PSR:	<b>P-605-029-028</b>
Customer:		Clean Date:	<b>01/01/1900</b>	Shape:	<b>C</b>

Street:	<b>S Ash St.</b>	Flow Control:	<b>Not Controlled</b>
City:	<b>Hobart, IN</b>	Year Renewed:	
Location:	<b>Other</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-605-028</b>	DS MH:	<b>M-605-029</b>
		Total Length Surveyed (ft):	<b>148.4</b>

O&M Index:	<b>1.71</b>	O&M Quick:	<b>4132</b>	O&M Rating:	<b>36.00</b>
Structural Index:	<b>3.87</b>	Structural Quick:	<b>4C33</b>	Structural Rating:	<b>89.00</b>
Overall Index:	<b>2.84</b>	Overall Quick:	<b>4C35</b>	Overall Rating:	<b>125.00</b>

	Position	Code	Observation	Video (sec)	Grade
<b>M-605-029</b>					
	.0	AMH	Manhole	10	NA
	.0	MWL	Water Level	21	NA
	.0	DSZ(S01)	Deposits Settled Other	32	M 2
	21.4	RFJ	Roots Fine Joint	87	M 1
	21.4	DSZ(F01)	Deposits Settled Other	98	M 2
	30.7	FS	Fracture Spiral	128	S 3
	30.7	TB	Tap Break-in	141	NA
	33.3	TF	Tap Factory	161	NA
	39.8	FL	Fracture Longitudinal	187	S 3
	42.0	FL(S02)	Fracture Longitudinal	204	S 3
	43.3	DSZ	Deposits Settled Other	218	M 2
	47.8	FM(S03)	Fracture Multiple	239	S 4
	47.8	FL(F02)	Fracture Longitudinal	250	S 3
	49.9	RFJ	Roots Fine Joint	265	M 1
	61.6	DSZ	Deposits Settled Other	302	M 2
	70.4	TFD	Tap Factory Defective	335	M 2
	70.4	RFL	Roots Fine Lateral	346	M 1
	72.4	TF	Tap Factory	366	NA
	95.2	RFJ	Roots Fine Joint	425	M 1
	97.2	RFJ	Roots Fine Joint	441	M 1
	99.4	RMJ	Roots Medium Joint	457	M 3
	107.5	RFJ	Roots Fine Joint	485	M 1
	109.5	TFD	Tap Factory Defective	502	M 2
	109.5	RML	Roots Medium Lateral	513	M 3
	111.5	TF	Tap Factory	533	NA
	127.0	RFJ(S04)	Roots Fine Joint	577	M 1
	145.9	MWL	Water Level	626	NA
	148.4	MCU	Camera Underwater	642	M 4
	148.4	RFJ(F04)	Roots Fine Joint	653	M 1
	148.4	MSA	Abandoned Survey	665	NA
	148.4	FM(F03)	Fracture Multiple	676	S 4
<b>M-605-028</b>					

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-605-029**

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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: **10.000**  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

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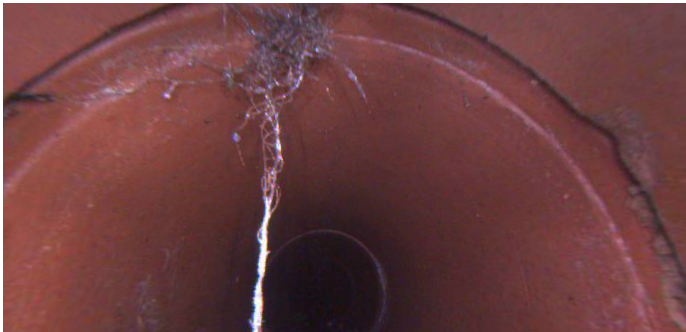
Code: **DSZ**  
Description: **Deposits Settled Other**



Distance (ft): **.0**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **4**  
Clock To: **8**  
1st Value:  
2nd Value:  
Value Percent: **10.000**  
Continuous Index: **S01**  
Within 8" of Joint: **NO**  
Remarks: **misc**

---

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

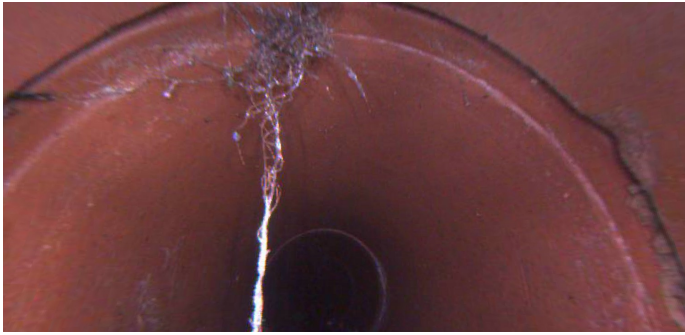


Distance (ft): **21.4**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **12**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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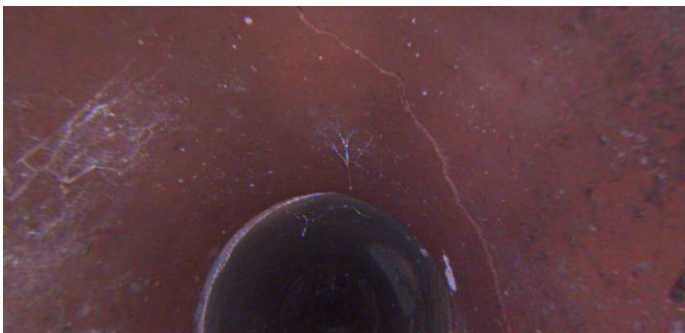
Code: **DSZ**  
Description: **Deposits Settled Other**



Distance (ft): **21.4**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **4**  
Clock To: **8**  
1st Value:  
2nd Value:  
Value Percent: **10.000**  
Continuous Index: **F01**  
Within 8" of Joint: **NO**  
Remarks: **misc**

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



Distance (ft): **30.7**  
Structural Grade: **3**  
O&M Grade: **0**  
Clock Start/From: **12**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint:  
Remarks:

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



Distance (ft): **30.7**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From: **9**  
Clock To:  
1st Value: **4.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint:  
Remarks:

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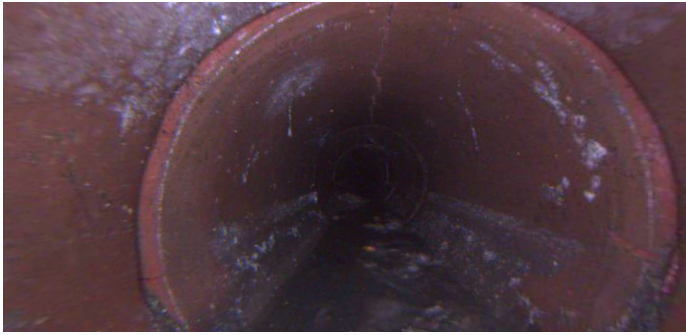
Code: **TF**  
Description: **Tap Factory**



Distance (ft): **33.3**  
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:  
Remarks:

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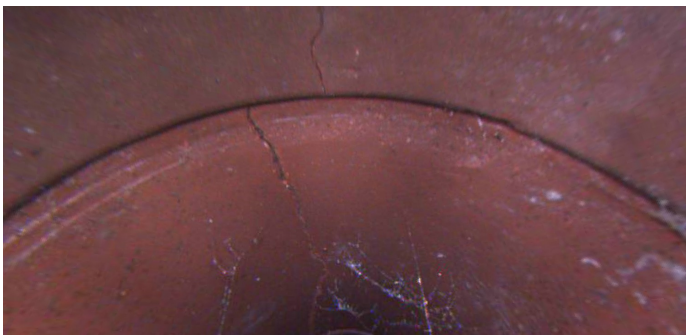
Code: **FL**  
Description: **Fracture Longitudinal**



Distance (ft): **39.8**  
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:

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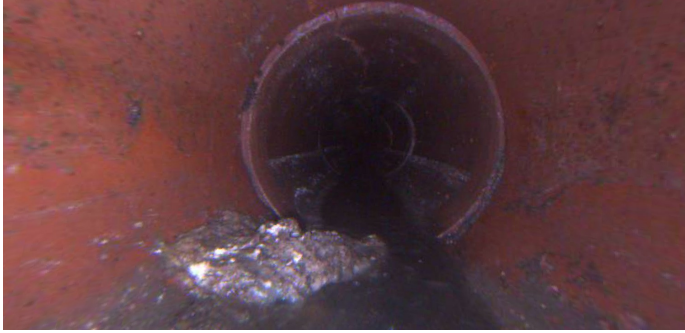
Code: **FL**  
Description: **Fracture Longitudinal**



Distance (ft): **42.0**  
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: **YES**  
Remarks:

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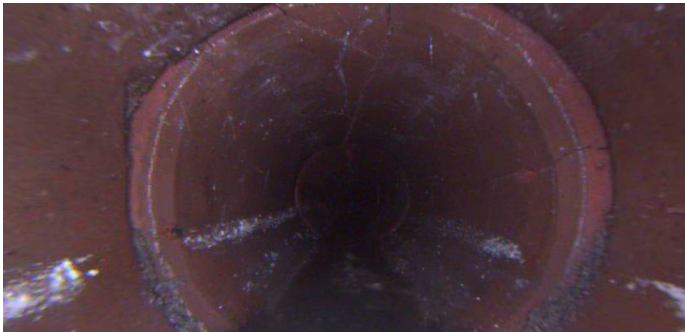
Code: **DSZ**  
Description: **Deposits Settled Other**



Distance (ft): **43.3**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **6**  
Clock To: **7**  
1st Value:  
2nd Value:  
Value Percent: **10.000**  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks: **misc**

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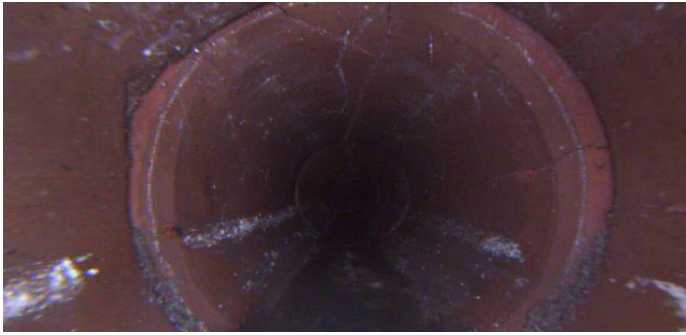
Code: **FM**  
Description: **Fracture Multiple**



Distance (ft): **47.8**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **8**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **S03**  
Within 8" of Joint: **YES**  
Remarks:

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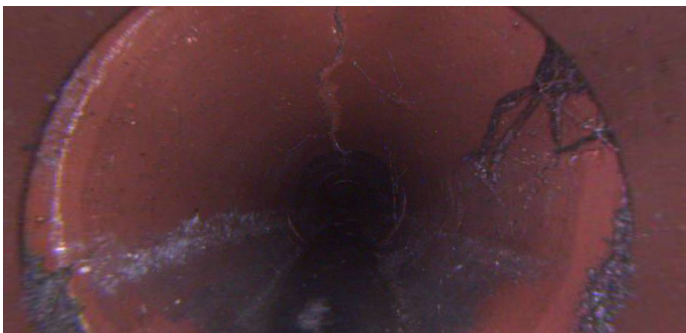
Code: **FL**  
Description: **Fracture Longitudinal**



Distance (ft): **47.8**  
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: **YES**  
Remarks:

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



Distance (ft): **49.9**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **1**  
Clock To: **2**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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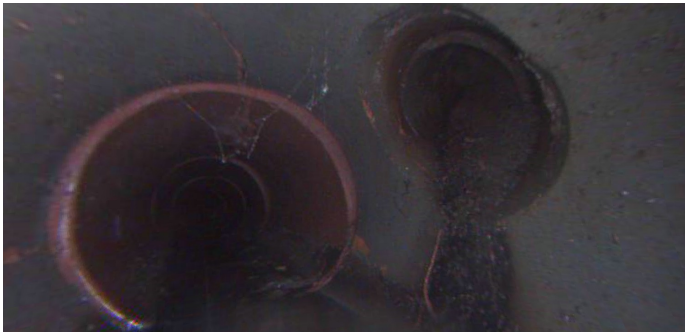
Code: **DSZ**  
Description: **Deposits Settled Other**



Distance (ft): **61.6**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **6**  
Clock To: **8**  
1st Value:  
2nd Value:  
Value Percent: **10.000**  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks: **misc**

---

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

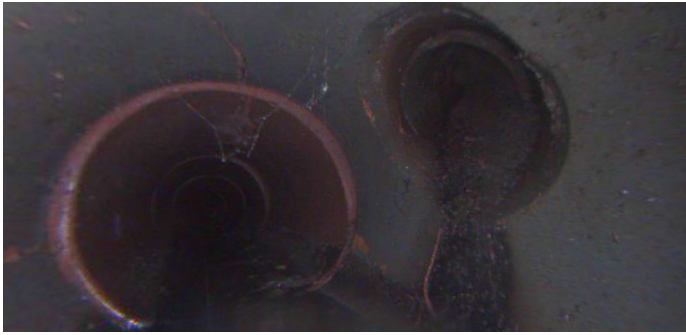


Distance (ft): **70.4**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **10**  
Clock To:  
1st Value: **4.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint:  
Remarks: **roots**

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



Distance (ft): **70.4**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **10**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

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



Distance (ft): **72.4**  
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:  
Remarks:

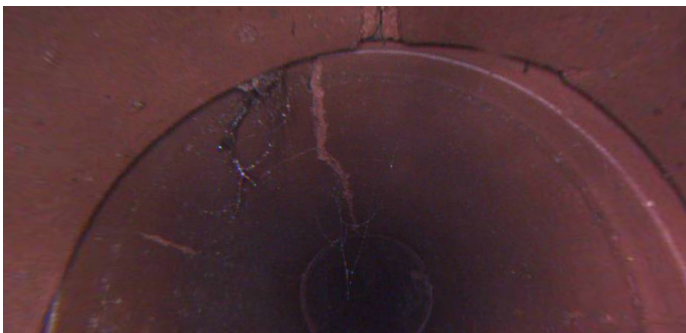
Code: **RFJ**  
Description: **Roots Fine Joint**



Distance (ft): **95.2**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **9**  
Clock To: **10**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

---

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

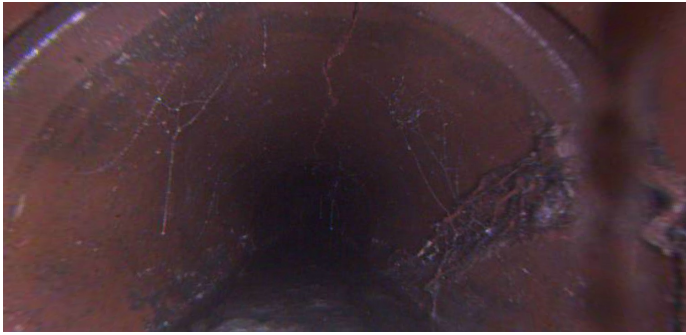


Distance (ft): **97.2**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **11**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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



Distance (ft): **99.4**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **2**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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



Distance (ft): **107.5**  
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: **YES**  
Remarks:

---

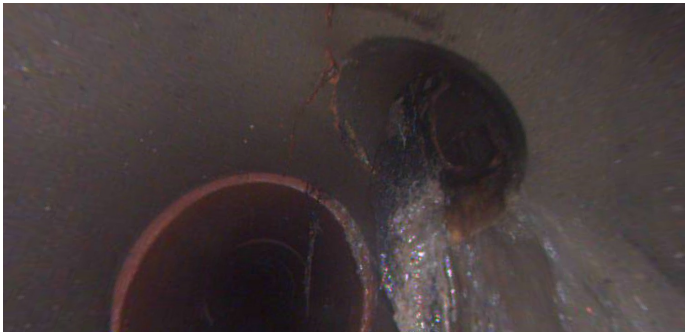
Code: **TFD**  
Description: **Tap Factory Defective**



Distance (ft): **109.5**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **10**  
Clock To:  
1st Value: **4.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint:  
Remarks: **rml**

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



Distance (ft): **109.5**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **10**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **10.000**  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

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



Distance (ft): **111.5**  
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:

---

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



Distance (ft): **127.0**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **8**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **S04**  
Within 8" of Joint: **YES**  
Remarks:

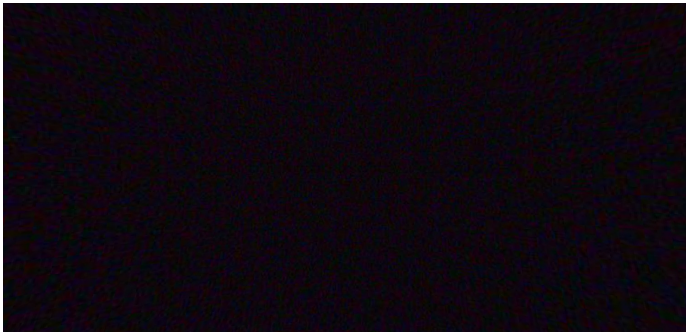
Code: **MWL**  
Description: **Water Level**



Distance (ft): **145.9**  
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:

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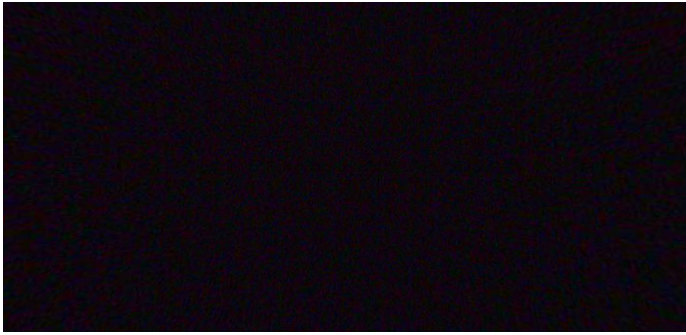
Code: **MCU**  
Description: **Camera Underwater**



Distance (ft): **148.4**  
Structural Grade: **0**  
O&M Grade: **4**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

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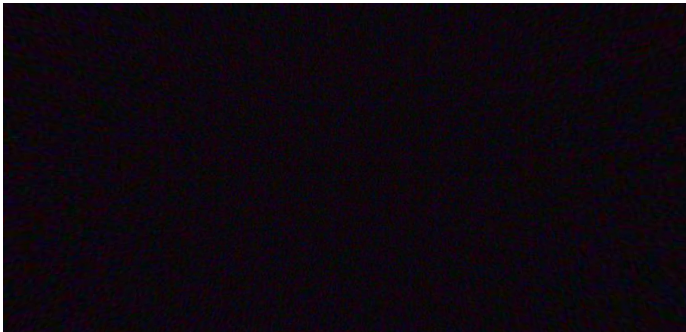
Code: **RFJ**  
Description: **Roots Fine Joint**



Distance (ft): **148.4**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **8**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **F04**  
Within 8" of Joint: **YES**  
Remarks:

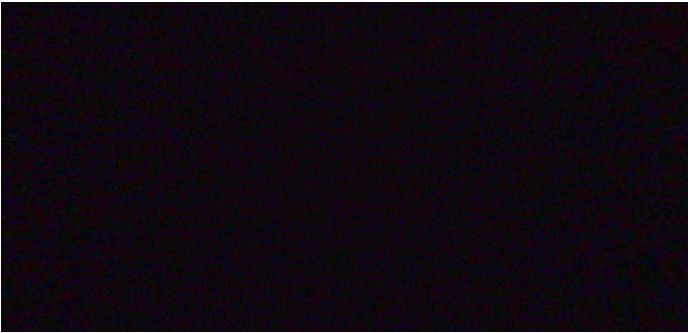
---

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



Distance (ft): **148.4**  
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: **mcu**

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Code:	<b>FM</b>
Description:	<b>Fracture Multiple</b>
Distance (ft):	<b>148.4</b>
Structural Grade:	<b>4</b>
O&M Grade:	<b>0</b>
Clock Start/From:	<b>8</b>
Clock To:	<b>4</b>
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	<b>F03</b>
Within 8" of Joint:	<b>YES</b>
Remarks:	