

## Profile/Photo Observation Report

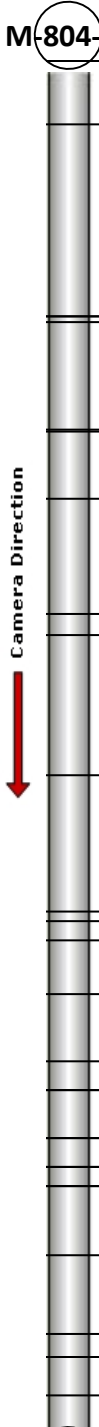


Date:	<b>04/06/2018</b>	Weather:		Coding:	<b>PACP 6.0</b>
Pipe Length (ft):	<b>305.8</b>	Owner:	<b>NA</b>	Pre Clean:	<b>Not Known</b>
P.O.#:		Surveyor:	<b>Mark Ruby</b>	PSR:	<b>P-804-041-038</b>
Customer:		Clean Date:	<b>01/01/1900</b>	Shape:	<b>C</b>

Street:	<b>N High 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>Downstream</b>
US MH:	<b>M-804-041</b>	DS MH:	<b>M-804-038</b>
		Total Length Surveyed (ft):	<b>304.2</b>

O&M Index:	<b>1.43</b>	O&M Quick:	<b>352B</b>	O&M Rating:	<b>83.00</b>
Structural Index:	<b>4.00</b>	Structural Quick:	<b>4100</b>	Structural Rating:	<b>4.00</b>
Overall Index:	<b>1.47</b>	Overall Quick:	<b>4135</b>	Overall Rating:	<b>87.00</b>

	Position	Code	Observation	Video (sec)	Grade
 <p>Camera Direction</p>	M-804-041				
	.0	AMH	Manhole	10	NA
	.0	MWL	Water Level	21	NA
	14.0	RFJ(S01)	Roots Fine Joint	61	M 1
	56.7	FM	Fracture Multiple	158	S 4
	56.9	RFB	Roots Fine Barrel	171	M 2
	57.9	TF	Tap Factory	187	NA
	82.1	TF	Tap Factory	251	NA
	82.4	RFJ(F01)	Roots Fine Joint	266	M 1
	97.3	TF	Tap Factory	309	NA
	123.0	RFJ(S02)	Roots Fine Joint	375	M 1
	127.6	TF	Tap Factory	397	NA
	158.9	RFJ	Roots Fine Joint	473	M 1
	188.9	RFJ(F02)	Roots Fine Joint	545	M 1
	191.0	TF	Tap Factory	562	NA
	195.2	IW(S03)	Infil Weeper	584	M 2
	207.3	RFJ	Roots Fine Joint	620	M 1
	222.1	RFJ	Roots Fine Joint	661	M 1
	228.5	RMJ	Roots Medium Joint	685	M 3
	228.6	RMJ	Roots Medium Joint	697	M 3
	239.4	RML	Roots Medium Lateral	732	M 3
	239.4	TFD	Tap Factory Defective	743	M 2
	245.7	TFD	Tap Factory Defective	771	M 2
	245.8	RML	Roots Medium Lateral	787	M 3
	250.2	RFJ	Roots Fine Joint	810	M 1
	250.2	IW(F03)	Infil Weeper	821	M 2
	265.2	RFJ(S04)	Roots Fine Joint	862	M 1
	282.9	RMJ	Roots Medium Joint	909	M 3
	287.8	TFD	Tap Factory Defective	932	M 2
	288.2	RFL	Roots Fine Lateral	949	M 1
	296.7	RFJ(F04)	Roots Fine Joint	982	M 1
	304.2	AMH	Manhole	1010	NA
	M-804-038				



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-804-041**

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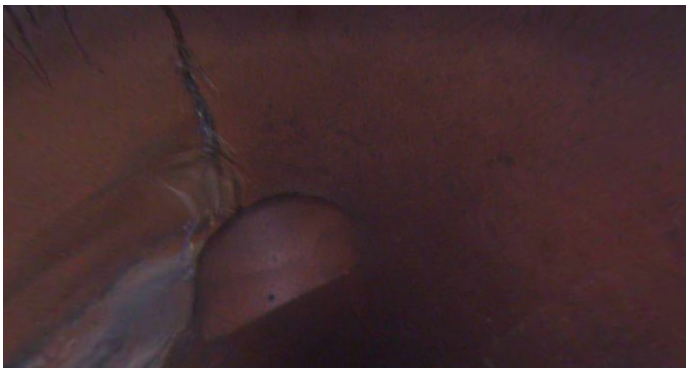
Code: **RFJ**  
Description: **Roots Fine Joint**



Distance (ft): **14.0**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **8**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **S01**  
Within 8" of Joint: **YES**  
Remarks:

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



Distance (ft): **56.7**  
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:

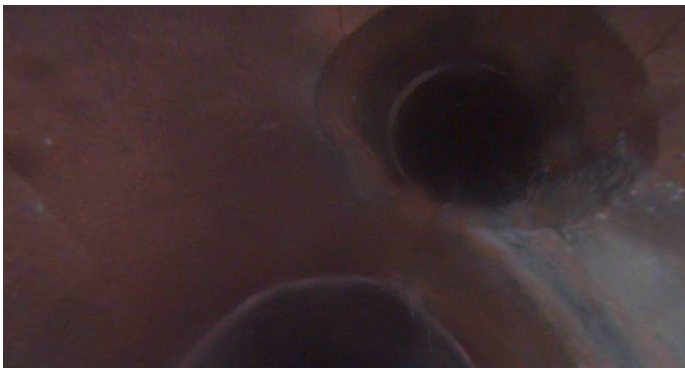
Code: **RFB**  
Description: **Roots Fine Barrel**



Distance (ft): **56.9**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **11**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

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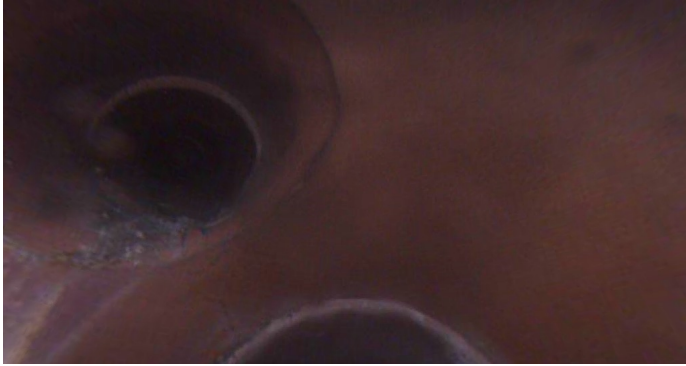
Code: **TF**  
Description: **Tap Factory**



Distance (ft): **57.9**  
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:  
Remarks: **Photo taken from rear camera.**

---

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



Distance (ft): **82.1**  
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:  
Remarks: **Photo taken from rear camera.**

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



Distance (ft): **82.4**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **8**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **F01**  
Within 8" of Joint: **YES**  
Remarks:

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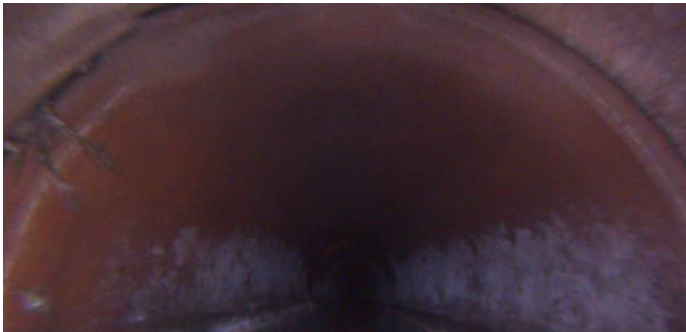
Code: **TF**  
Description: **Tap Factory**



Distance (ft): **97.3**  
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: **Photo taken from rear camera.**

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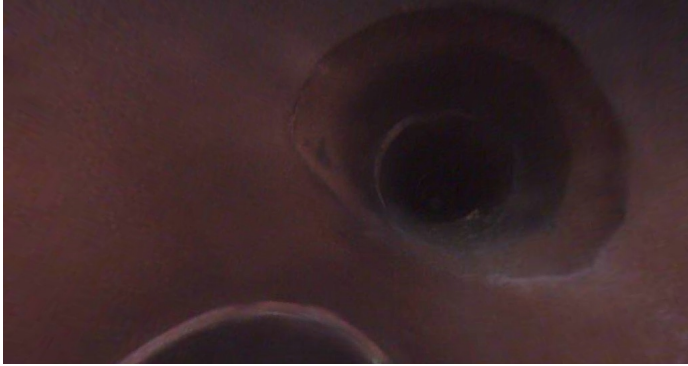
Code: **RFJ**  
Description: **Roots Fine Joint**



Distance (ft): **123.0**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **8**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **S02**  
Within 8" of Joint: **YES**  
Remarks:

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

Distance (ft): **127.6**  
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:  
Remarks: **Photo taken from rear camera.**

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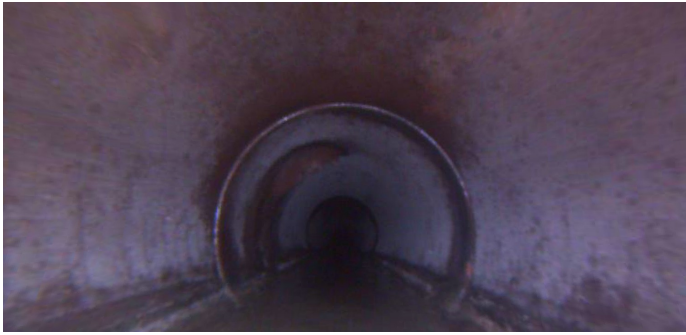
Code: **RFJ**  
Description: **Roots Fine Joint**

Distance (ft): **158.9**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **11**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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



Distance (ft): **188.9**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **8**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **F02**  
Within 8" of Joint: **YES**  
Remarks:

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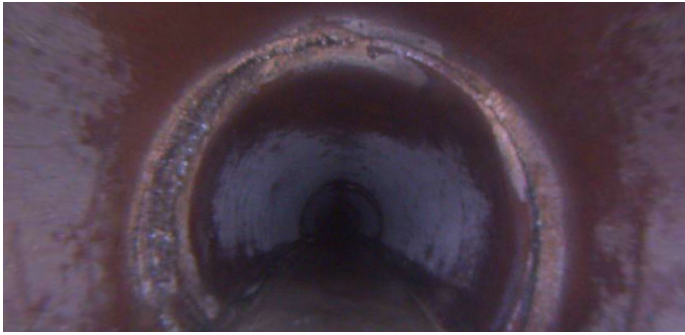
Code: **TF**  
Description: **Tap Factory**



Distance (ft): **191.0**  
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:  
Remarks: **Photo taken from rear camera.**

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



Distance (ft): **195.2**  
Structural Grade: **0**  
O&M Grade: **2**  
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: **RFJ**  
Description: **Roots Fine Joint**



Distance (ft): **207.3**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **8**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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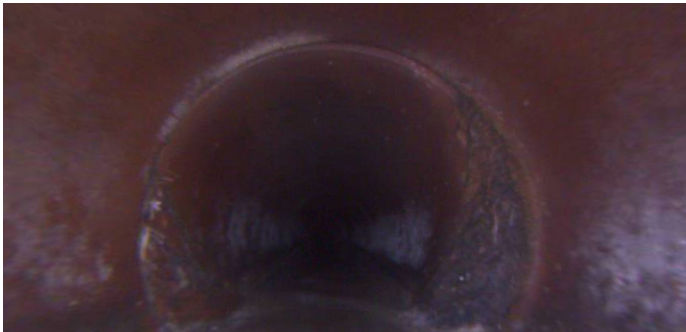
Code: **RFJ**  
Description: **Roots Fine Joint**



Distance (ft): **222.1**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **8**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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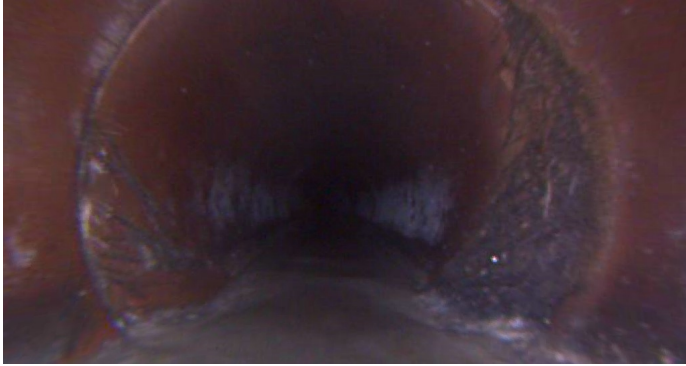
Code: **RMJ**  
Description: **Roots Medium Joint**



Distance (ft): **228.5**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **8**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

---

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



Distance (ft): **228.6**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **7**  
Clock To: **5**  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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



Distance (ft): **239.4**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **10**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

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

Distance (ft): **239.4**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **2**  
Clock To:  
1st Value: **4.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint:  
Remarks: **Roots, Photo taken from rear camera.**



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

Distance (ft): **245.7**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **2**  
Clock To:  
1st Value: **4.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint:  
Remarks: **Roots, Photo taken from rear camera.**

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



Distance (ft): **245.8**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **1**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent: **10.000**  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

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



Distance (ft): **250.2**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **8**  
Clock To: **9**  
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): **250.2**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **8**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **F03**  
Within 8" of Joint: **YES**  
Remarks:

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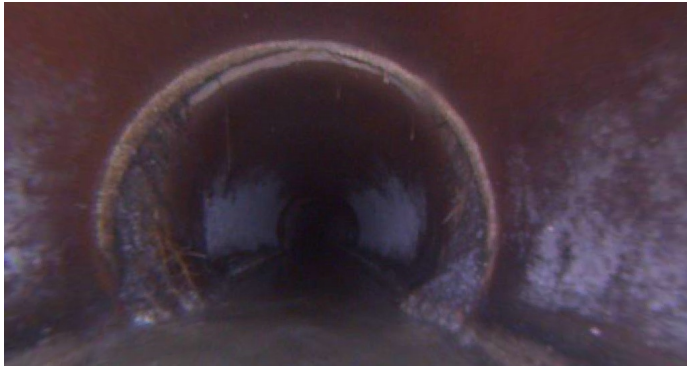
Code: **RFJ**  
Description: **Roots Fine Joint**



Distance (ft): **265.2**  
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:

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

Distance (ft): **282.9**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **7**  
Clock To: **5**  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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

Distance (ft): **287.8**  
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: **Photo taken from rear camera.**

---

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



Distance (ft): **288.2**  
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: **NO**  
Remarks:

---

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



Distance (ft): **296.7**  
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:	<b>AMH</b>
Description:	<b>Manhole</b>
Distance (ft):	<b>304.2</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-804-038</b>