


Profile/Photo Observation Report



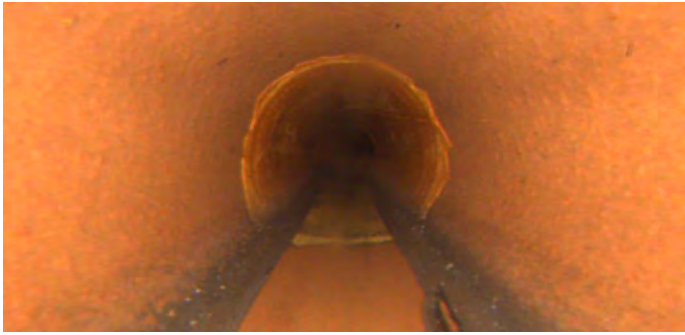
Date:	03/25/2018	Weather:		Coding:	PACP 6.0
Pipe Length (ft):	166.8	Owner:	NA	Pre Clean:	No Pre-Cleaning
P.O.#:		Surveyor:	Byrd Fitzgerald	PSR:	P-108-011-010
Customer:		Clean Date:	01/01/1900	Shape:	C

Street:	15TH ST	Flow Control:	Not Controlled
City:	Hobart, IN	Year Renewed:	
Location:	Light Highway	Tape/Media #:	
Purpose:	Routine Assessment	Dia/Height:	8"
Use:	Sanitary	Material:	VCP
Drain Area:	NA	Lining:	
Category:	NA		
Comment:	P_C at 158 ft roots/ debris . Flow direction wrong		
Location Details:		Direction of Survey:	Downstream
US MH:	M-108-010	DS MH:	M-108-011
		Total Length Surveyed (ft):	160.0

O&M Index:	2.50	O&M Quick:	3913	O&M Rating:	30.00
Structural Index:	3.00	Structural Quick:	3300	Structural Rating:	9.00
Overall Index:	2.60	Overall Quick:	3A13	Overall Rating:	39.00

	Position	Code	Observation	Video (sec)	Grade
	M-108-010				
	.0	AMH	Manhole	10	NA
	.0	MWL	Water Level	21	NA
	.8	MLC	Lining Change	34	NA
	.8	FS	Fracture Spiral	45	S 3
	5.3	MLC	Lining Change	66	NA
	13.5	RFJ	Roots Fine Joint	94	M 1
	23.3	RMJ	Roots Medium Joint	125	M 3
	28.3	RFJ	Roots Fine Joint	146	M 1
	48.7	RMJ(S03)	Roots Medium Joint	198	M 3
	57.3	MLC	Lining Change	228	NA
	61.2	MLC	Lining Change	249	NA
	65.6	RMJ(F03)	Roots Medium Joint	270	M 3
	67.8	MLC	Lining Change	287	NA
	71.9	MLC	Lining Change	309	NA
	78.8	MLC	Lining Change	337	NA
	82.4	MLC	Lining Change	358	NA
	83.2	TF	Tap Factory	372	NA
	83.4	RMJ	Roots Medium Joint	384	M 3
	86.5	MMC	Material Change	402	NA
	100.9	FL	Fracture Longitudinal	442	S 3
	106.6	MLC	Lining Change	466	NA
	112.3	MLC	Lining Change	491	NA
	113.1	H	Hole	506	S 3
	121.7	MLC	Lining Change	537	NA
	124.2	RFJ	Roots Fine Joint	554	M 1
	130.0	MLC	Lining Change	577	NA
	135.7	MMC	Material Change	601	NA
	136.5	RMJ	Roots Medium Joint	615	M 3
	136.6	TF	Tap Factory	628	NA
	136.6	RML	Roots Medium Lateral	640	M 3
	138.8	TF	Tap Factory	658	NA
	141.5	MMC	Material Change	676	NA
	145.8	MMC	Material Change	697	NA
	148.9	RMJ(S04)	Roots Medium Joint	716	M 3
	160.0	RMJ(F04)	Roots Medium Joint	749	M 3
	160.0	MSA	Abandoned Survey	761	NA
	M-108-011				

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-108-010**

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



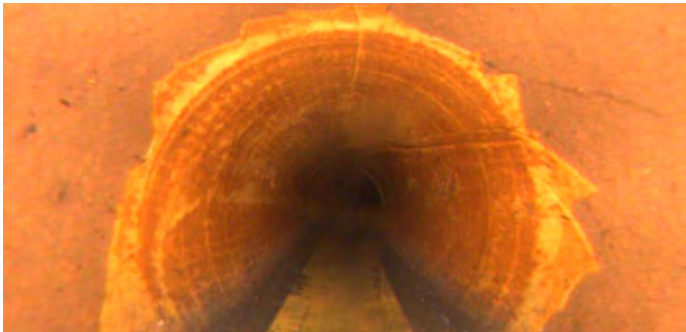
Distance (ft): **.0**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index:
Within 8" of Joint: **NO**
Remarks:

Code: **MLC**
Description: **Lining Change**



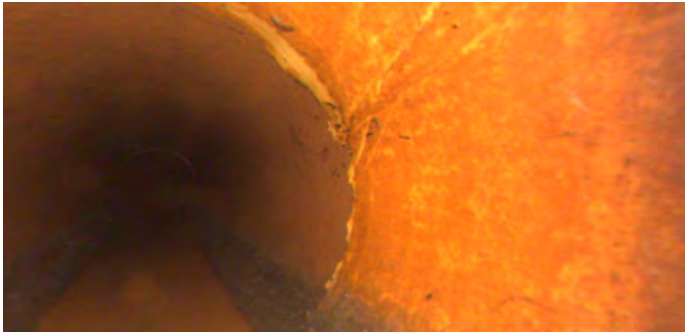
Distance (ft): **.8**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks: **cip**

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



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

Code: **MLC**
Description: **Lining Change**



Distance (ft): **5.3**
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: **vcp**

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



Distance (ft): **13.5**
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: **RMJ**
Description: **Roots Medium Joint**



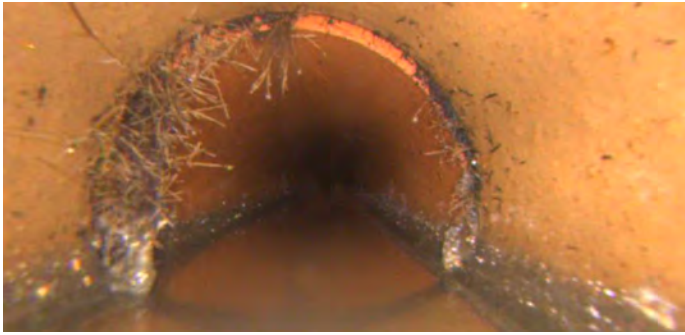
Distance (ft): **23.3**
Structural Grade: **0**
O&M Grade: **3**
Clock Start/From: **7**
Clock To: **5**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

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



Distance (ft): **28.3**
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: **RMJ**
Description: **Roots Medium Joint**



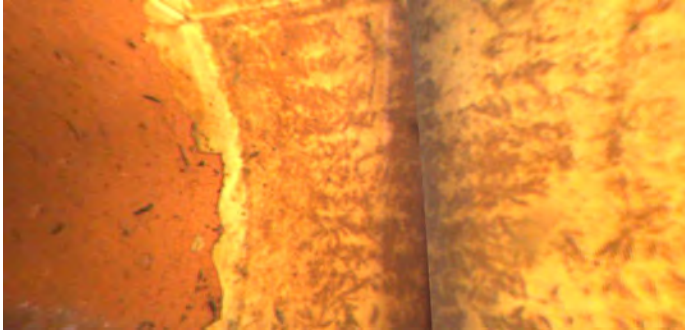
Distance (ft): **48.7**
Structural Grade: **0**
O&M Grade: **3**
Clock Start/From: **8**
Clock To: **4**
1st Value:
2nd Value:
Value Percent: **10.000**
Continuous Index: **S03**
Within 8" of Joint: **YES**
Remarks:

Code: **MLC**
Description: **Lining Change**



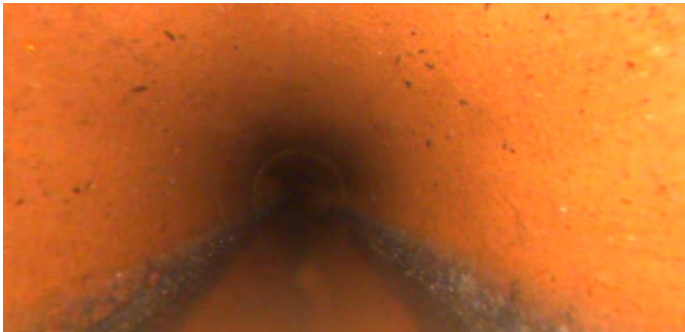
Distance (ft): **57.3**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks: **CIP**

Code: **MLC**
Description: **Lining Change**



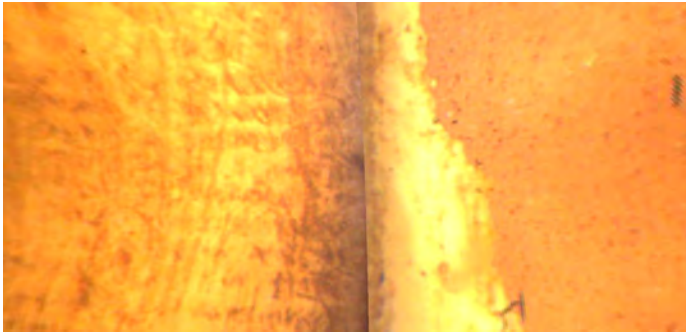
Distance (ft): **61.2**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks: **END CIP**

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



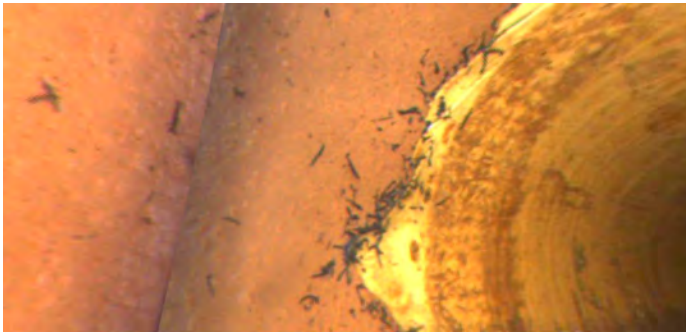
Distance (ft): **65.6**
Structural Grade: **0**
O&M Grade: **3**
Clock Start/From: **8**
Clock To: **4**
1st Value:
2nd Value:
Value Percent: **10.000**
Continuous Index: **F03**
Within 8" of Joint: **YES**
Remarks:

Code: **MLC**
Description: **Lining Change**



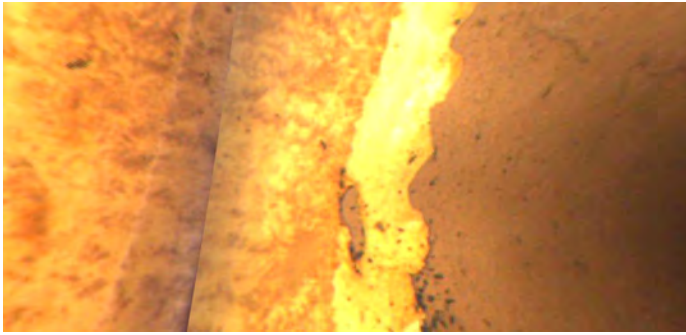
Distance (ft): **67.8**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks: **cip**

Code: **MLC**
Description: **Lining Change**



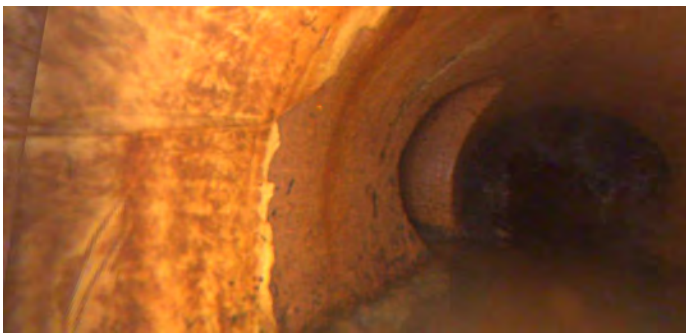
Distance (ft): **71.9**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks: **end cip**

Code: **MLC**
Description: **Lining Change**



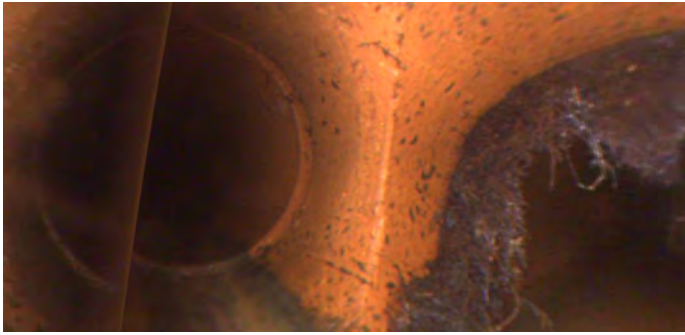
Distance (ft): **78.8**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks: **CIP**

Code: **MLC**
Description: **Lining Change**



Distance (ft): **82.4**
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: **CIP END**

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



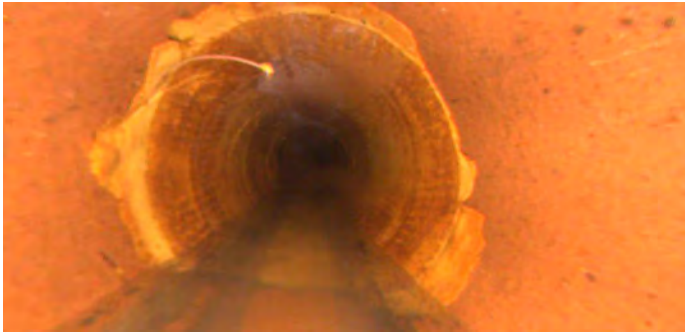
Distance (ft): **83.2**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **9**
Clock To:
1st Value: **4.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

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



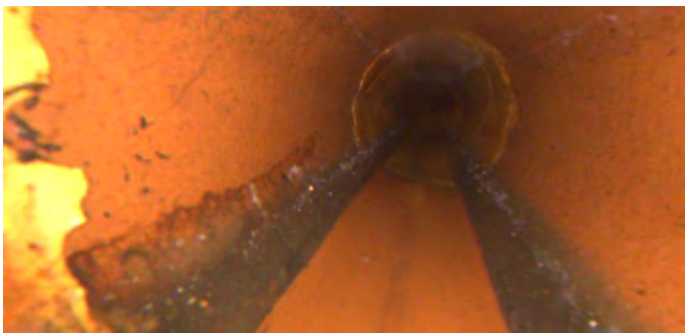
Distance (ft): **83.4**
Structural Grade: **0**
O&M Grade: **3**
Clock Start/From: **8**
Clock To: **4**
1st Value:
2nd Value:
Value Percent: **20.000**
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

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



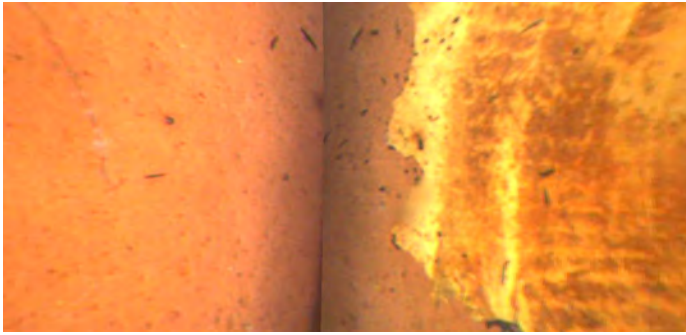
Distance (ft): **86.5**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks: **lining**

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



Distance (ft): **100.9**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From: **9**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks:

Code: **MLC**
Description: **Lining Change**



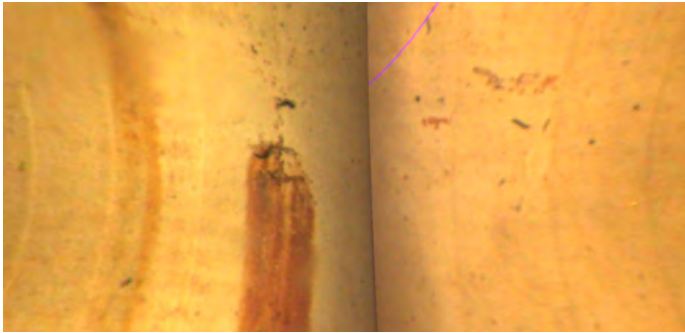
Distance (ft): **106.6**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks: **CIP**

Code: **MLC**
Description: **Lining Change**



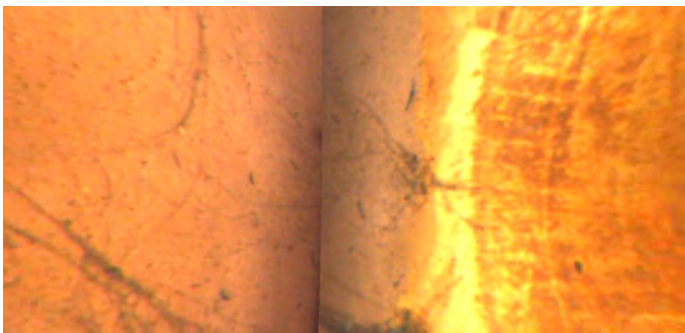
Distance (ft): **112.3**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks: **cip**

Code: **H**
Description: **Hole**



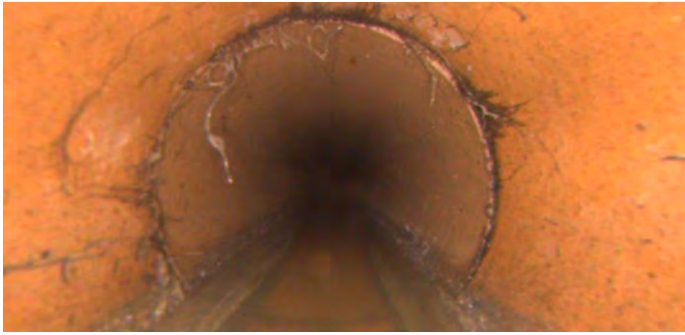
Distance (ft): **113.1**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From: **10**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks: **pin hole**

Code: **MLC**
Description: **Lining Change**



Distance (ft): **121.7**
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: **CIP**

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



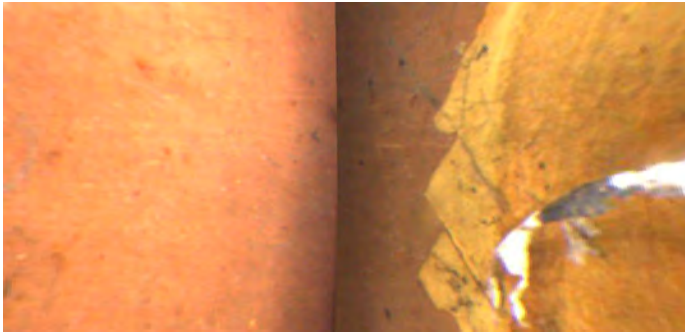
Distance (ft): **124.2**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **8**
Clock To: **4**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

Code: **MLC**
Description: **Lining Change**



Distance (ft): **130.0**
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: **END CIP**

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



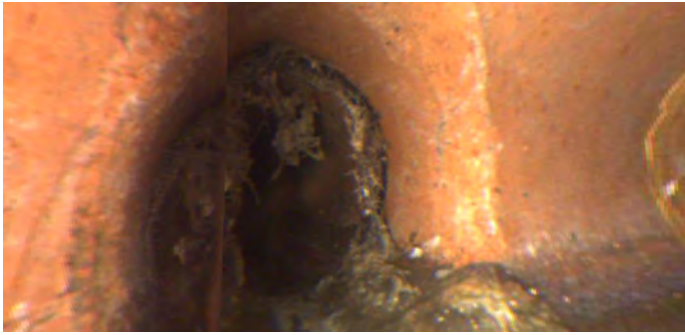
Distance (ft): **135.7**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks: **vcp**

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



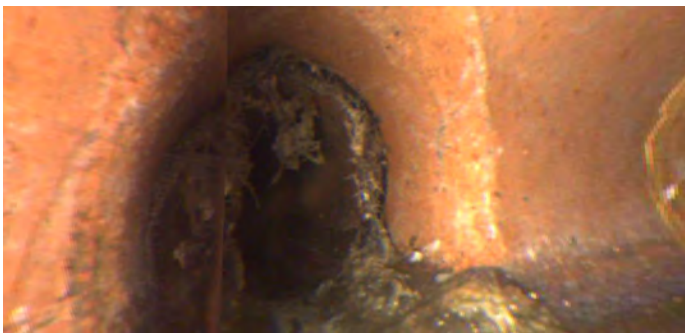
Distance (ft): **136.5**
Structural Grade: **0**
O&M Grade: **3**
Clock Start/From: **8**
Clock To: **4**
1st Value:
2nd Value:
Value Percent: **10.000**
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

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



Distance (ft): **136.6**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **3**
Clock To:
1st Value: **4.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

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



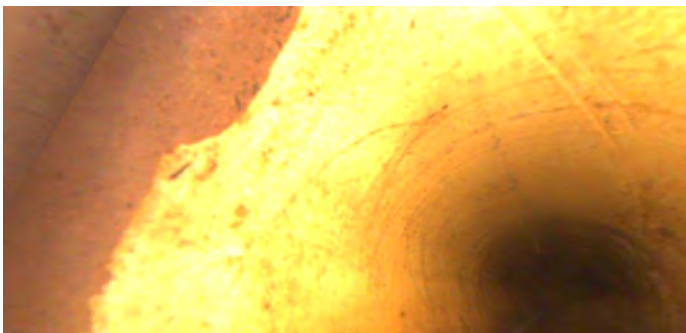
Distance (ft): **136.6**
Structural Grade: **0**
O&M Grade: **3**
Clock Start/From: **7**
Clock To: **5**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index:
Within 8" of Joint: **NO**
Remarks:

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



Distance (ft): **138.8**
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: **YES**
Remarks:

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



Distance (ft): **141.5**
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: **lining**

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



Distance (ft): **145.8**
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: **RMJ**
Description: **Roots Medium Joint**



Distance (ft): **148.9**
Structural Grade: **0**
O&M Grade: **3**
Clock Start/From: **8**
Clock To: **4**
1st Value:
2nd Value:
Value Percent: **10.000**
Continuous Index: **S04**
Within 8" of Joint: **YES**
Remarks:

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



Distance (ft): **160.0**
Structural Grade: **0**
O&M Grade: **3**
Clock Start/From: **8**
Clock To: **4**
1st Value:
2nd Value:
Value Percent: **10.000**
Continuous Index: **F04**
Within 8" of Joint: **YES**
Remarks:

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



Distance (ft): **160.0**
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: **rmj**