

Profile/Photo Observation Report




Date:	04/24/2018	Weather:		Coding:	PACP 6.0
Pipe Length (ft):	210.4	Owner:	NA	Pre Clean:	Not Known
P.O.#:		Surveyor:	Jen Costello	PSR:	P-605-039-038
Customer:		Clean Date:	01/01/1900	Shape:	C

Street:	S PENNSYLVANIA ST	Flow Control:	Not Controlled
City:	Hobart, IN	Year Renewed:	
Location:	Other	Tape/Media #:	
Purpose:	Not Known	Dia/Height:	12"
Use:	Sanitary	Material:	VCP
Drain Area:	NA	Lining:	
Category:	NA		
Comment:			

Location Details:		Direction of Survey:	Upstream
US MH:	M-605-038	DS MH:	M-605-039
		Total Length Surveyed (ft):	108.1

O&M Index:	1.69	O&M Quick:	3724	O&M Rating:	44.00
Structural Index:	3.18	Structural Quick:	4533	Structural Rating:	35.00
Overall Index:	2.14	Overall Quick:	453A	Overall Rating:	79.00

	Position	Code	Observation	Video (sec)	Grade
M-605-039					
	.0	AMH	Manhole	10	NA
	.0	MWL	Water Level	21	NA
	8.1	RFJ	Roots Fine Joint	49	M 1
	14.0	FC	Fracture Circumferential	72	S 2
	14.0	RFJ	Roots Fine Joint	83	M 1
	17.9	RFJ	Roots Fine Joint	102	M 1
	21.9	FM	Fracture Multiple	122	S 4
	21.9	RFJ	Roots Fine Joint	133	M 1
	22.7	TBI	Tap Break-in Intruding	146	M 2
	24.0	RMJ	Roots Medium Joint	160	M 3
	25.5	TBI	Tap Break-in Intruding	177	M 2
	25.8	RMJ	Roots Medium Joint	191	M 3
	28.3	RFJ	Roots Fine Joint	207	M 1
	28.3	FM	Fracture Multiple	218	S 4
	40.3	RMJ	Roots Medium Joint	253	M 3
	46.3	FS	Fracture Spiral	277	S 3
	48.1	RFJ	Roots Fine Joint	292	M 1
	60.0	FL	Fracture Longitudinal	326	S 3
	61.9	RFJ(S01)	Roots Fine Joint	341	M 1
	62.6	TBI	Tap Break-in Intruding	353	M 2
	64.8	TBI	Tap Break-in Intruding	369	M 2
	64.8	RML	Roots Medium Lateral	379	M 3
	64.8	FL	Fracture Longitudinal	390	S 3
	81.8	FC	Fracture Circumferential	435	S 2
	83.7	SSS	Surface Spalling	450	S 2
	91.9	FM	Fracture Multiple	478	S 4
	93.7	RMJ	Roots Medium Joint	492	M 3
	96.0	FM(S02)	Fracture Multiple	508	S 4
	96.0	RMJ	Roots Medium Joint	518	M 3
	108.1	RMJ	Roots Medium Joint	553	M 3
	108.1	FM(F02)	Fracture Multiple	564	S 4
	108.1	RFJ(F01)	Roots Fine Joint	574	M 1
	108.1	MSA	Abandoned Survey	585	NA
M-605-038					

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-605-039**

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:

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



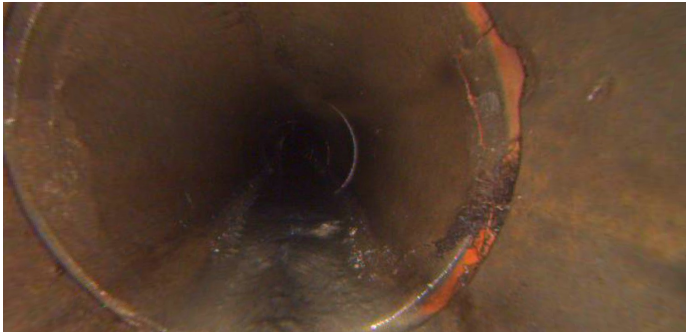
Distance (ft): **8.1**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **3**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

Code: **FC**
Description: **Fracture Circumferential**



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

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



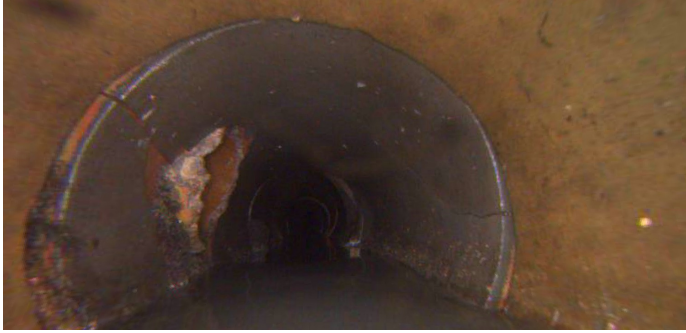
Distance (ft): **14.0**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **3**
Clock To: **4**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

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



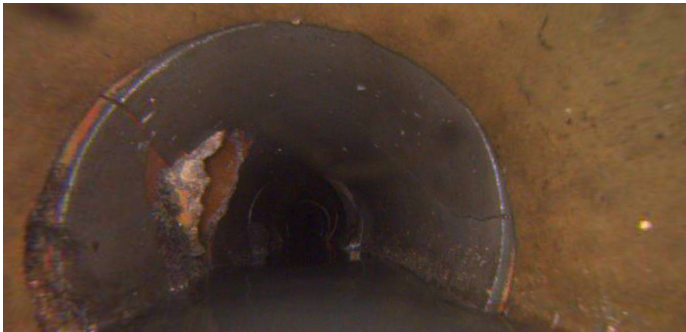
Distance (ft): **17.9**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **8**
Clock To: **4**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

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



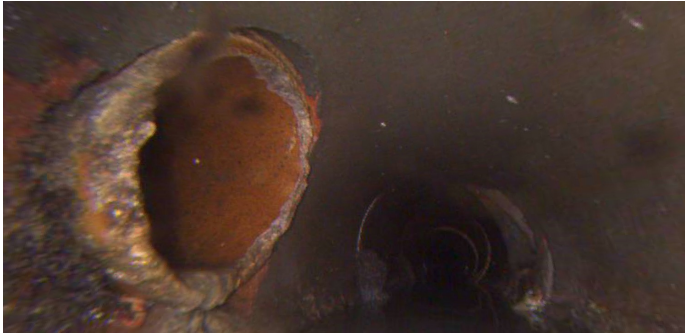
Distance (ft): **21.9**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **8**
Clock To: **4**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

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



Distance (ft): **21.9**
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:

Code: **TBI**
Description: **Tap Break-in Intruding**



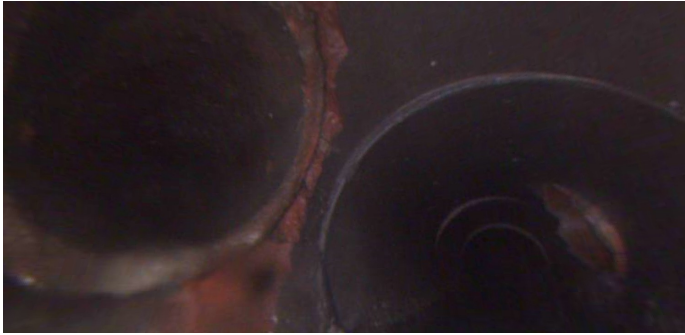
Distance (ft): **22.7**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **9**
Clock To:
1st Value: **4.000**
2nd Value: **1.000**
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks:

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



Distance (ft): **24.0**
Structural Grade: **0**
O&M Grade: **3**
Clock Start/From: **8**
Clock To: **4**
1st Value:
2nd Value:
Value Percent: **10.000**
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

Code: **TBI**
Description: **Tap Break-in Intruding**



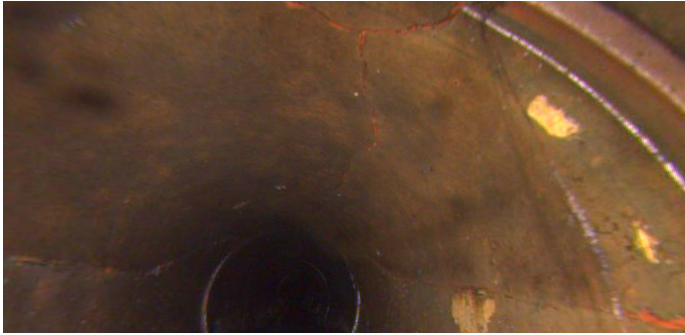
Distance (ft): **25.5**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **2**
Clock To:
1st Value: **4.000**
2nd Value: **1.000**
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks:

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



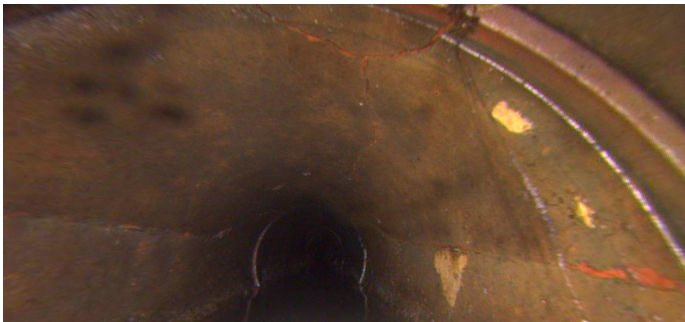
Distance (ft): **25.8**
Structural Grade: **0**
O&M Grade: **3**
Clock Start/From: **8**
Clock To: **4**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

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



Distance (ft): **28.3**
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: **YES**
Remarks:

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



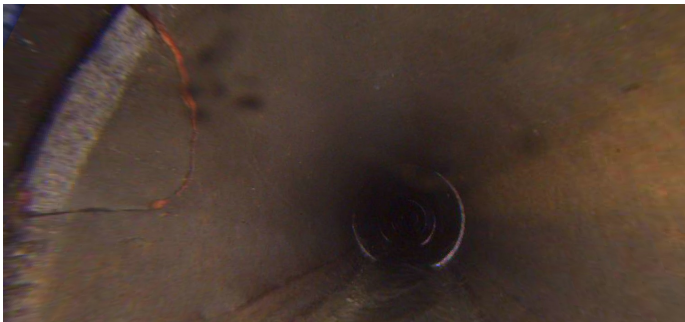
Distance (ft): **28.3**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **8**
Clock To: **4**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

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



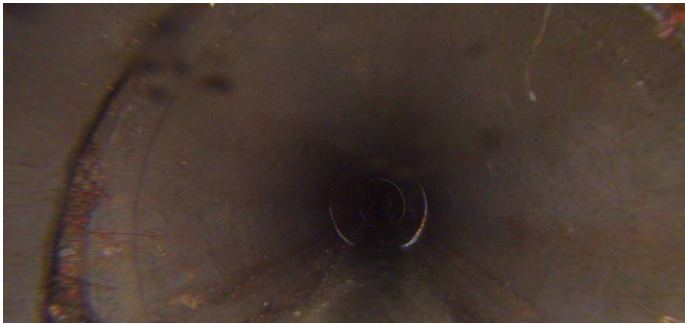
Distance (ft): **40.3**
Structural Grade: **0**
O&M Grade: **3**
Clock Start/From: **8**
Clock To: **9**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

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



Distance (ft): **46.3**
Structural Grade: **3**
O&M Grade: **0**
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): **48.1**
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:

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



Distance (ft): **60.0**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From: **8**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

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



Distance (ft): **61.9**
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:

Code: **TBI**
Description: **Tap Break-in Intruding**



Distance (ft): **62.6**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **9**
Clock To:
1st Value: **4.000**
2nd Value: **1.000**
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks:

Code: **TBI**
Description: **Tap Break-in Intruding**



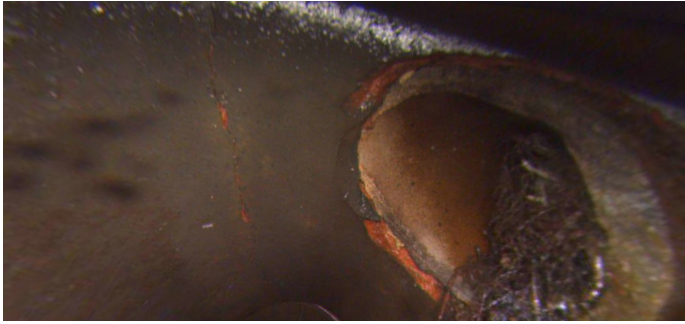
Distance (ft): **64.8**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **1**
Clock To:
1st Value: **4.000**
2nd Value: **1.000**
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks: **ROOTS**

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



Distance (ft): **64.8**
Structural Grade: **0**
O&M Grade: **3**
Clock Start/From: **2**
Clock To:
1st Value:
2nd Value:
Value Percent: **10.000**
Continuous Index:
Within 8" of Joint: **NO**
Remarks:

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



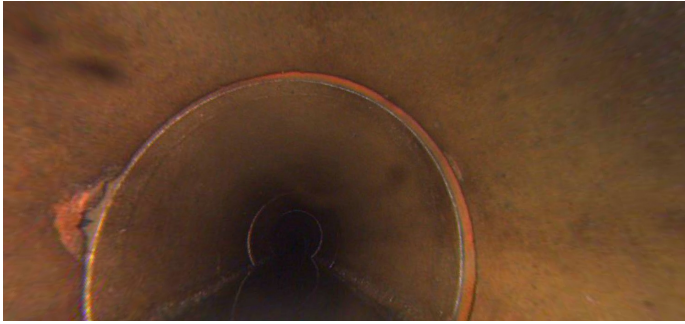
Distance (ft): **64.8**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From: **12**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

Code: **FC**
Description: **Fracture Circumferential**



Distance (ft): **81.8**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From: **10**
Clock To: **12**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

Code: **SSS**
Description: **Surface Spalling**



Distance (ft): **83.7**
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: **YES**
Remarks:

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



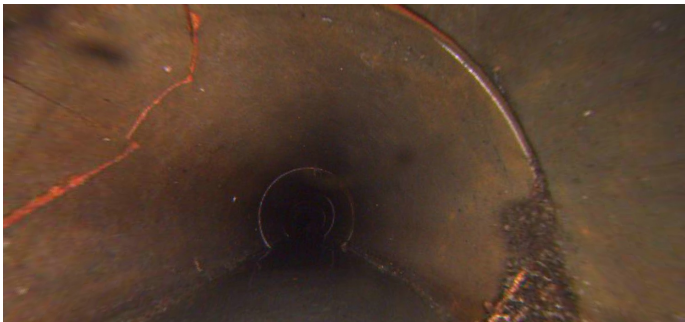
Distance (ft): **91.9**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **12**
Clock To: **3**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

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



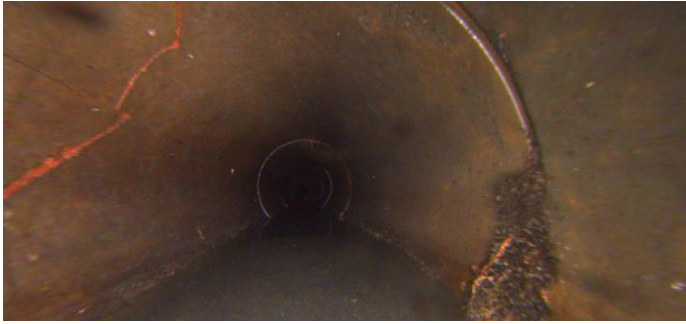
Distance (ft): **93.7**
Structural Grade: **0**
O&M Grade: **3**
Clock Start/From: **8**
Clock To: **9**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

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



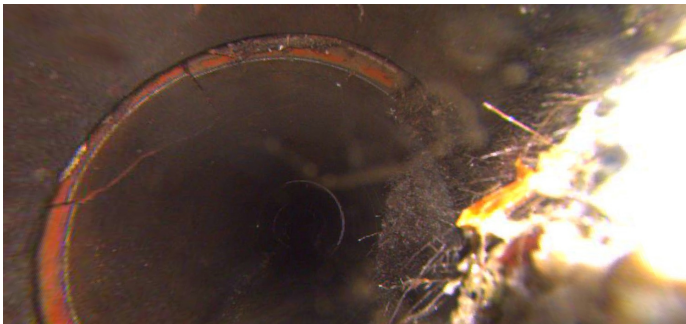
Distance (ft): **96.0**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **8**
Clock To: **4**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **S02**
Within 8" of Joint: **YES**
Remarks:

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



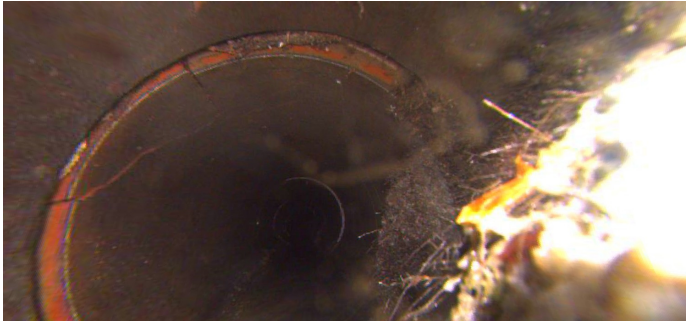
Distance (ft): **96.0**
Structural Grade: **0**
O&M Grade: **3**
Clock Start/From: **3**
Clock To: **4**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

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



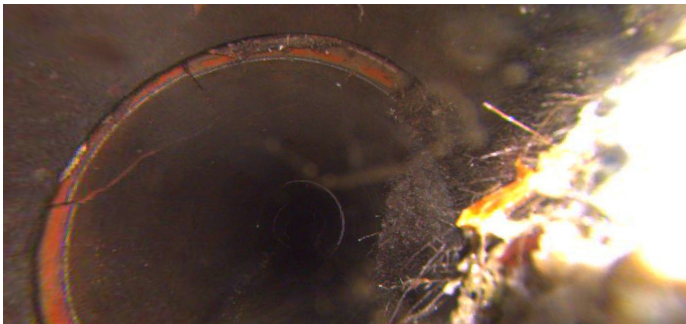
Distance (ft): **108.1**
Structural Grade: **0**
O&M Grade: **3**
Clock Start/From: **1**
Clock To: **4**
1st Value:
2nd Value:
Value Percent: **10.000**
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

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

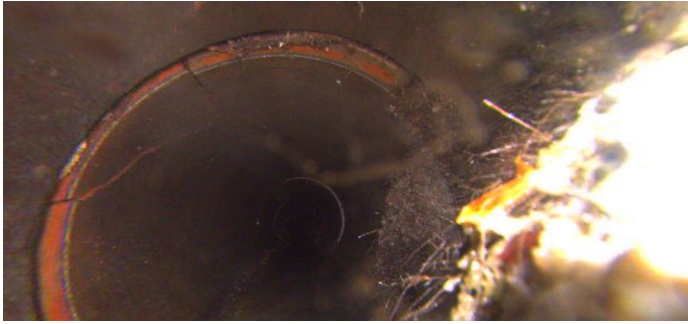


Distance (ft): **108.1**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **8**
Clock To: **4**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **F02**
Within 8" of Joint: **YES**
Remarks:

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



Distance (ft): **108.1**
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:



Code:	MSA
Description:	Abandoned Survey
Distance (ft):	108.1
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:	ROOTS