

Profile/Photo Observation Report

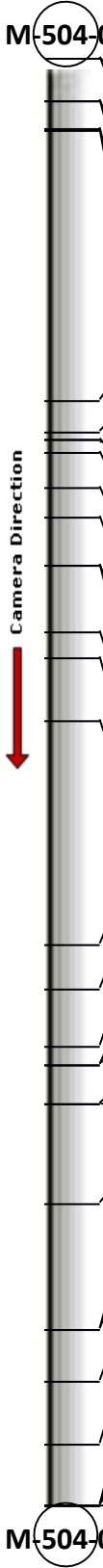


Date:	04/17/2018	Weather:		Coding:	PACP 6.0
Pipe Length (ft):	190.7	Owner:	NA	Pre Clean:	Not Known
P.O.#:		Surveyor:	Justin Gonzales	PSR:	P-504-078-077
Customer:		Clean Date:	01/01/1900	Shape:	C

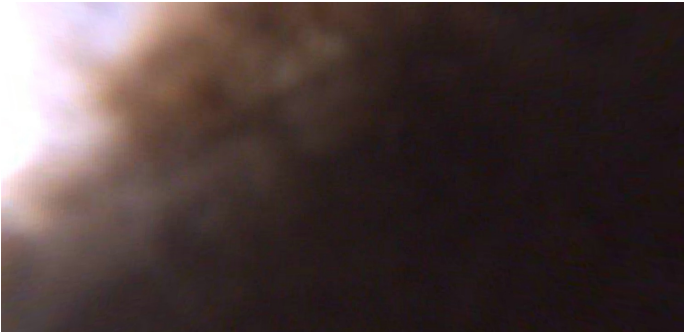
Street:	N CAVENDER ST	Flow Control:	Not Controlled
City:	Hobart, IN	Year Renewed:	
Location:	Light Highway	Tape/Media #:	
Purpose:	Not Known	Dia/Height:	12"
Use:	Sanitary	Material:	VCP
Drain Area:	NA	Lining:	
Category:	NA		
Comment:			

Location Details:		Direction of Survey:	Downstream
US MH:	M-504-078	DS MH:	M-504-077
		Total Length Surveyed (ft):	159.7

O&M Index:	2.68	O&M Quick:	4E31	O&M Rating:	236.00
Structural Index:	3.13	Structural Quick:	4333	Structural Rating:	25.00
Overall Index:	2.72	Overall Quick:	4E34	Overall Rating:	261.00

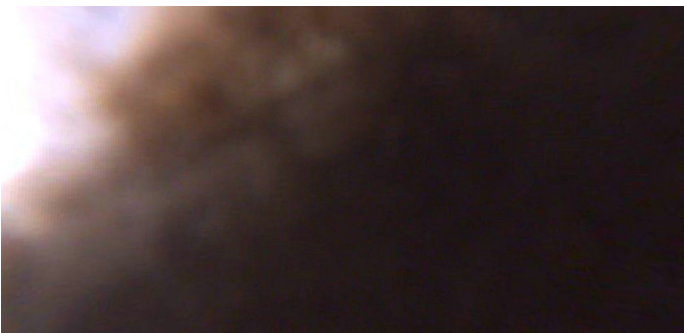
	Position	Code	Observation	Video (sec)	Grade
					
	.0	AMH	Manhole	10	NA
	.0	MWL	Water Level	21	NA
	4.7	MWL	Water Level	42	NA
	4.7	DAZ(S01)	Deposits Attached Other	53	M 2
	7.8	MGO	General Observation	73	NA
	8.0	MCU(S02)	Camera Underwater	87	M 4
	37.7	MCU(F02)	Camera Underwater	160	M 4
	41.2	DAZ	Deposits Attached Other	180	M 2
	42.0	IW	Infil Weeper	196	M 2
	42.0	IW	Infil Weeper	207	M 2
	43.6	MCU(S03)	Camera Underwater	222	M 4
	47.4	TBI	Tap Break-in Intruding	241	M 2
	50.6	CL	Crack Longitudinal	259	S 2
	56.0	TFA	Tap Factory Active	282	NA
	56.0	FM	Fracture Multiple	294	S 4
	63.3	MWLS	Water Level Sag	321	S 3
	66.1	DAGS(S04)	Deposits Attached Grease	338	M 2
	73.2	TF	Tap Factory	364	NA
	97.8	TFA	Tap Factory Active	426	NA
	102.8	IW	Infil Weeper	448	M 2
	109.1	FM	Fracture Multiple	473	S 4
	111.1	FM	Fracture Multiple	489	S 4
	111.1	IS	Infil Stain	500	NA
	115.3	FS	Fracture Spiral	520	S 3
	115.3	FC	Fracture Circumferential	532	S 2
	126.4	TF	Tap Factory	568	NA
	140.2	TBI	Tap Break-in Intruding	609	M 2
	140.2	CM	Crack Multiple	620	S 3
	146.0	MCU	Camera Underwater	644	M 4
	153.0	RFJ	Roots Fine Joint	670	M 1
	159.7	MSA	Abandoned Survey	697	NA
	159.7	MCU(F03)	Camera Underwater	708	M 4
	159.7	DAZ(F01)	Deposits Attached Other	719	M 2
	159.7	DAGS(F04)	Deposits Attached Grease	730	M 2

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-504-078**

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: **100.000**
Continuous Index:
Within 8" of Joint: **NO**
Remarks:

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



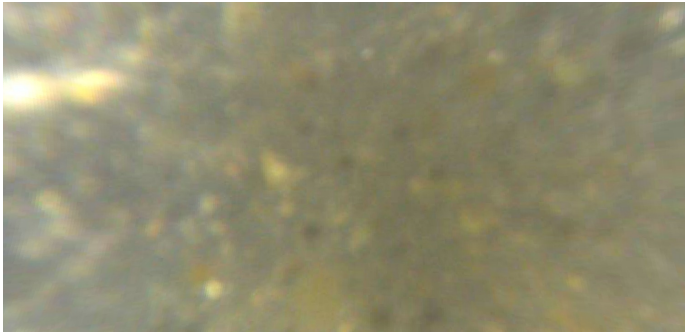
Distance (ft): **4.7**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **15.000**
Continuous Index:
Within 8" of Joint: **NO**
Remarks:

Code: **DAZ**
Description: **Deposits Attached Other**



Distance (ft): **4.7**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **7**
Clock To: **5**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **S01**
Within 8" of Joint: **YES**
Remarks: **WANDER**

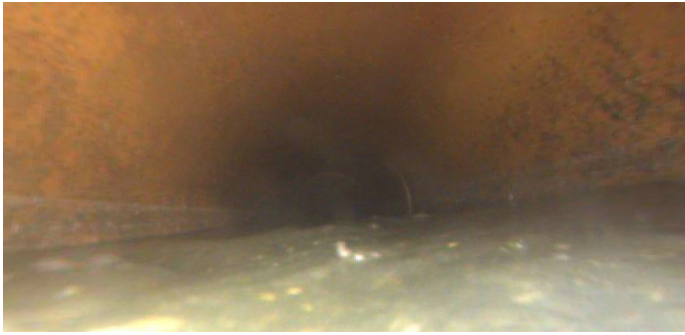
Code:	MGO
Description:	General Observation
Distance (ft):	7.8
Structural Grade:	0
O&M Grade:	0
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	NO
Remarks:	MCU REAR CAMERA



Code:	MCU
Description:	Camera Underwater
Distance (ft):	8.0
Structural Grade:	0
O&M Grade:	4
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	S02
Within 8" of Joint:	NO
Remarks:	



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



Distance (ft): **37.7**
Structural Grade: **0**
O&M Grade: **4**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index: **F02**
Within 8" of Joint: **NO**
Remarks: **EMERGED**

Code: **DAZ**
Description: **Deposits Attached Other**



Distance (ft): **41.2**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **9**
Clock To: **10**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index:
Within 8" of Joint: **NO**
Remarks:

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



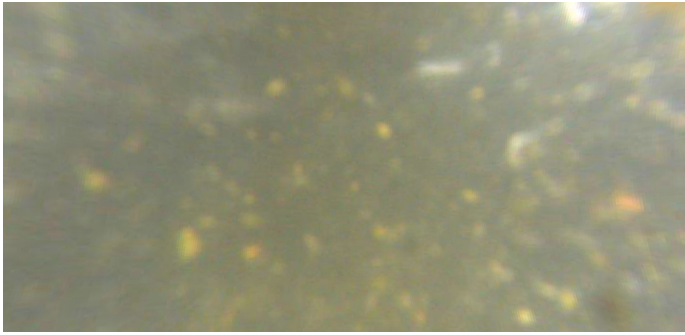
Distance (ft): **42.0**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **9**
Clock To: **11**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

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



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

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



Distance (ft): **43.6**
Structural Grade: **0**
O&M Grade: **4**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index: **S03**
Within 8" of Joint: **NO**
Remarks:

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



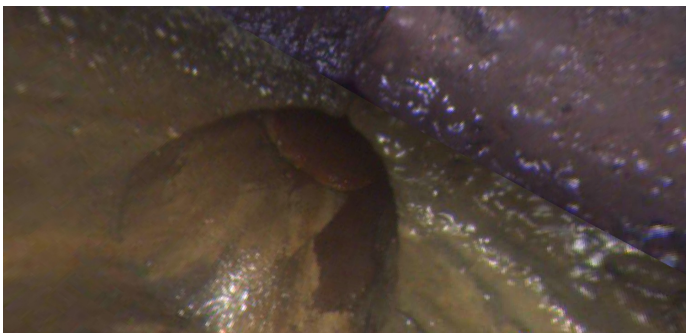
Distance (ft): **47.4**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **1**
Clock To:
1st Value: **4.000**
2nd Value: **3.000**
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks:

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



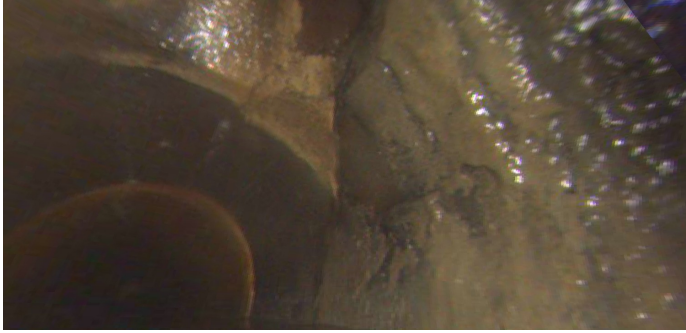
Distance (ft): **50.6**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From: **9**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks:

Code: **TFA**
Description: **Tap Factory Active**



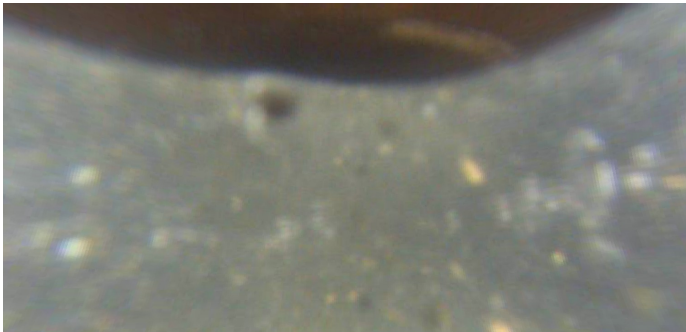
Distance (ft): **56.0**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **11**
Clock To:
1st Value: **4.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks:

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



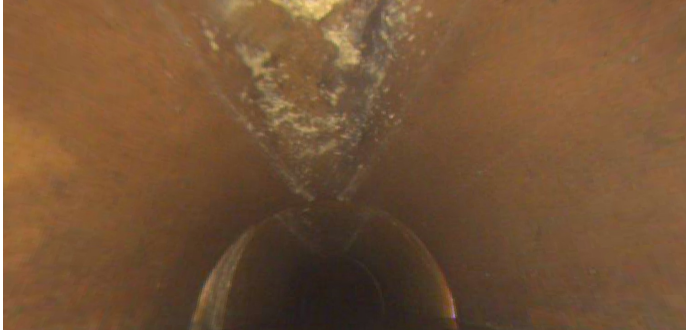
Distance (ft): **56.0**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **9**
Clock To: **11**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks:

Code: **MWLS**
Description: **Water Level Sag**



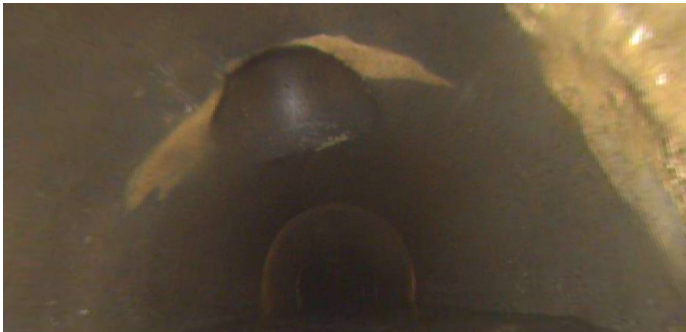
Distance (ft): **63.3**
Structural Grade: **3**
O&M Grade: **3**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **50.000**
Continuous Index:
Within 8" of Joint: **NO**
Remarks:

Code: **DAGS**
Description: **Deposits Attached Grease**



Distance (ft): **66.1**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **7**
Clock To: **5**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **S04**
Within 8" of Joint: **YES**
Remarks: **WANDER**

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



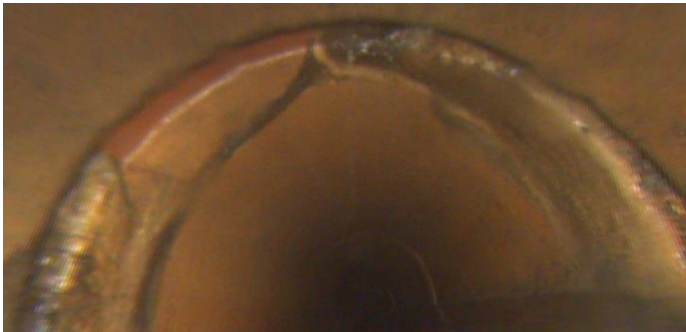
Distance (ft): **73.2**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **1**
Clock To:
1st Value: **4.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks:

Code: **TFA**
Description: **Tap Factory Active**



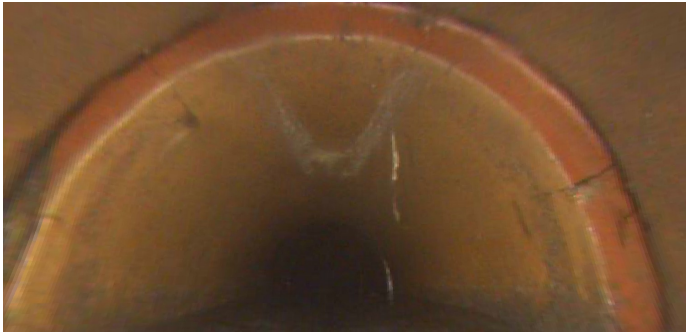
Distance (ft): **97.8**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **12**
Clock To:
1st Value: **4.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks:

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



Distance (ft): **102.8**
Structural Grade: **0**
O&M Grade: **2**
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**



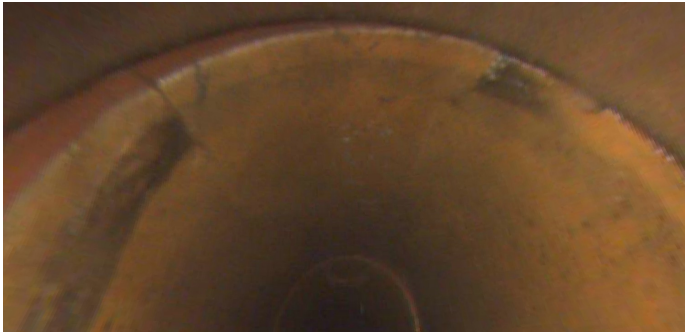
Distance (ft): **109.1**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **8**
Clock To: **4**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

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



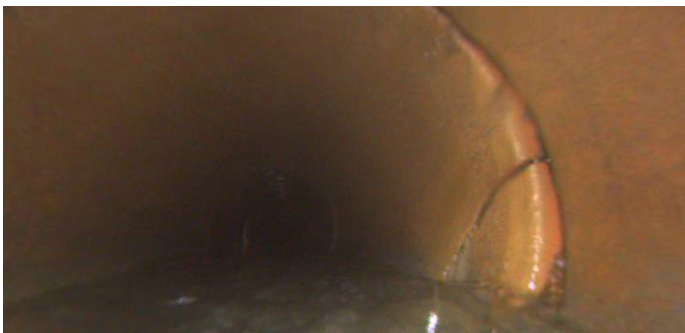
Distance (ft): **111.1**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **11**
Clock To: **2**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

Code: **IS**
Description: **Infil Stain**



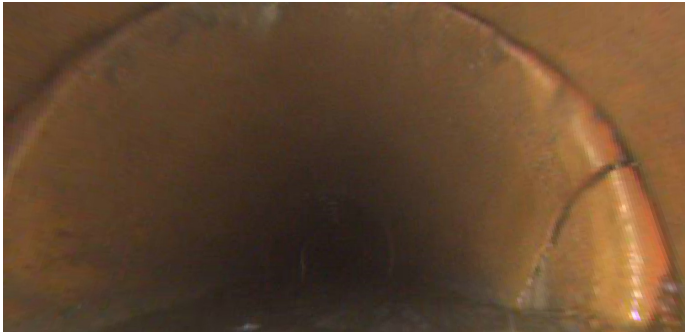
Distance (ft): **111.1**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **2**
Clock To: **5**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks:

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



Distance (ft): **115.3**
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: **FC**
Description: **Fracture Circumferential**



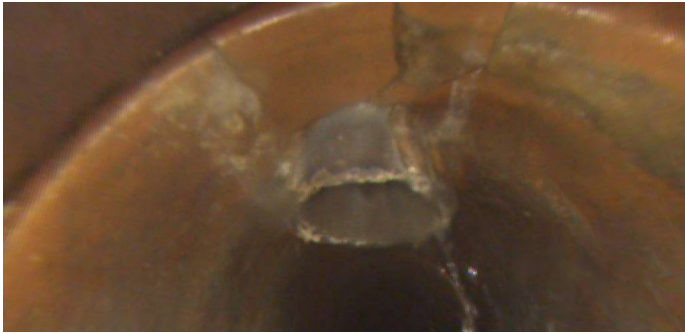
Distance (ft): **115.3**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From: **7**
Clock To: **9**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

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



Distance (ft): **126.4**
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: **TBI**
Description: **Tap Break-in Intruding**



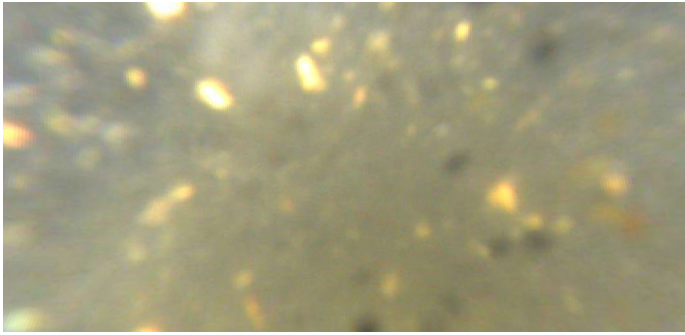
Distance (ft): **140.2**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **1**
Clock To:
1st Value: **4.000**
2nd Value: **1.000**
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks:

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



Distance (ft): **140.2**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From: **11**
Clock To: **12**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

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



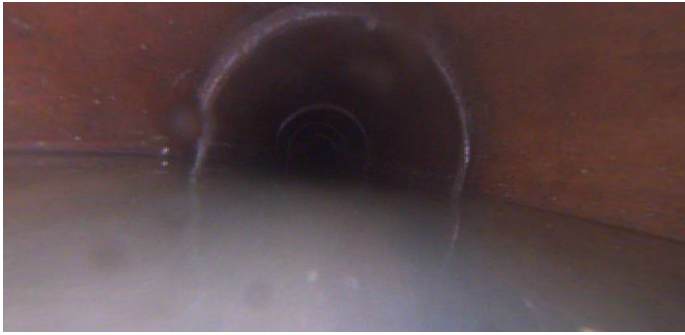
Distance (ft): **146.0**
Structural Grade: **0**
O&M Grade: **4**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks:

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



Distance (ft): **153.0**
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:

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



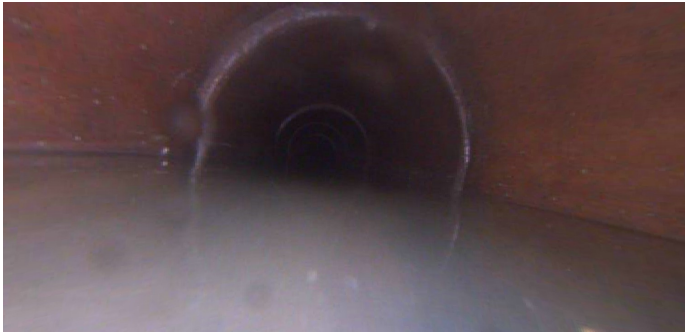
Distance (ft): **159.7**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks: **ROBOT HAS STOPPED**

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



Distance (ft): **159.7**
Structural Grade: **0**
O&M Grade: **4**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index: **F03**
Within 8" of Joint: **NO**
Remarks:

Code: **DAZ**
Description: **Deposits Attached Other**



Distance (ft): **159.7**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **7**
Clock To: **5**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **F01**
Within 8" of Joint: **YES**
Remarks: **WANDER**

Code: **DAGS**
Description: **Deposits Attached Grease**



Distance (ft): **159.7**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **7**
Clock To: **5**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **F04**
Within 8" of Joint: **YES**
Remarks: **WANDER**