

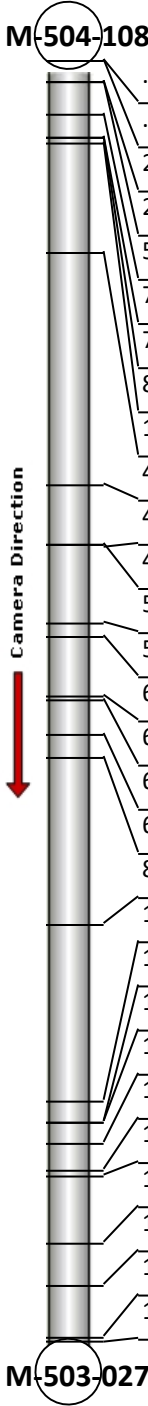
Profile/Photo Observation Report



Date:	09/01/2021	Weather:		Coding:	PACP 7.0
Pipe Length (ft):	317.0	Owner:	City of Hobart	Pre Clean:	Heavy Cleaning
P.O.#:	YES502259	Surveyor:	S. Bucklin	PSR:	P-504-027-108
Customer:	City of Hobart	Clean Date:	08/28/2021	Shape:	C

Street:	North Delaware Street	Flow Control:	Not Controlled
City:	Hobart, IN	Year Renewed:	
Location:	Alley	Tape/Media #:	
Purpose:	Routine Assessment	Dia/Height:	12"
Use:	Sanitary Sewage Pipe	Material:	CP
Drain Area:		Lining:	
Category:	NA		
Comment:			
Location Details:		Direction of Survey:	Upstream
US MH:	M-503-027	DS MH:	M-504-108
		Total Length Surveyed (ft):	128.5

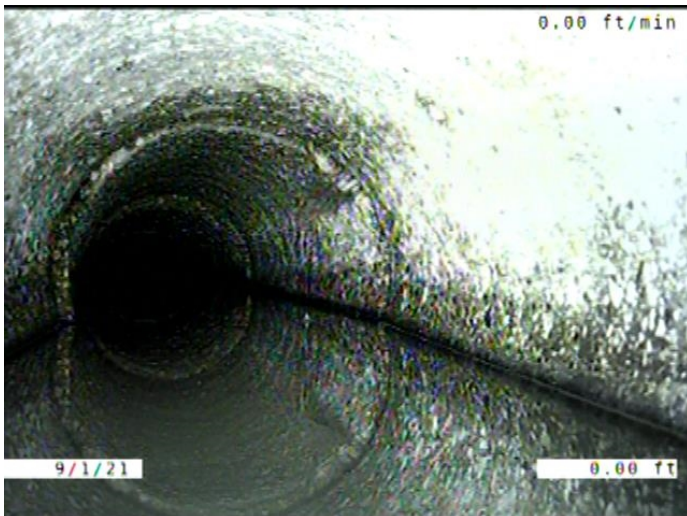
O&M Index:	2.22	O&M Quick:	4134	O&M Rating:	20.00
Structural Index:	2.92	Structural Quick:	5142	Structural Rating:	38.00
Overall Index:	2.64	Overall Quick:	5143	Overall Rating:	58.00

	Position	Code	Observation	Video (sec)	Grade
	.0	AMH	Manhole	1	NA
	.0	MWL	Miscellaneous Water Level	77	NA
	2.2	RFJ	Roots Fine Joint	166	M 1
	2.2	JAM	Joint Angular Medium	177	S 3
	5.4	RFJ	Roots Fine Joint	239	M 1
	7.8	MWL	Miscellaneous Water Level	294	NA
	7.8	MGO	Miscellaneous General Observation	302	NA
	8.2	CS	Crack Spiral	498	S 2
	19.3	CS	Crack Spiral	669	S 2
	42.5	MWLS(S02)	Miscellaneous Water Level Sag	800	S 2
	48.6	MWLS(F02)	Miscellaneous Water Level Sag	838	S 2
	48.6	MWL	Miscellaneous Water Level	846	NA
	56.4	SMW	Surface Damage Missing Wall	904	S 5
	57.7	MWLS(S03)	Miscellaneous Water Level Sag	932	S 2
	63.7	FM	Fracture Multiple	1010	S 4
	64.1	TBD	Tap Break-in/Hammer Defective	1036	M 3
	67.7	MWLS(F03)	Miscellaneous Water Level Sag	1068	S 2
	69.9	FL(S04)	Fracture Longitudinal	1120	S 3
	86.6	FL(F04)	Fracture Longitudinal	1226	S 3
	104.5	CM	Crack Multiple	1380	S 3
	106.6	TB	Tap Break-in/Hammer	1439	NA
	106.6	RFL	Roots Fine Lateral	1451	M 1
	108.6	RMJ	Roots Medium Joint	1500	M 3
	111.3	RFJ	Roots Fine Joint	1584	M 1
	112.0	RMJ	Roots Medium Joint	1618	M 3
	118.7	RMJ	Roots Medium Joint	1693	M 3
	122.9	FM	Fracture Multiple	1778	S 4
	128.1	RBJ	Roots Ball Joint	1841	M 4
	128.5	MSA	Miscellaneous Survey Abandoned	1859	NA
M-503-027					



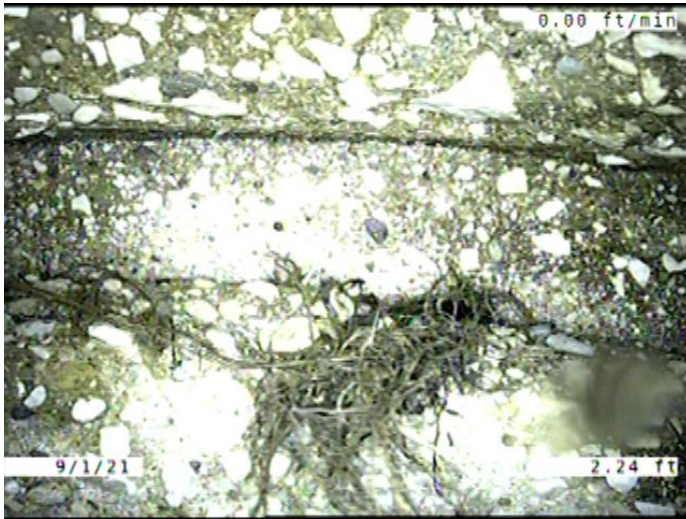
Code: **AMH**
 Description: **Manhole**

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-504-108**



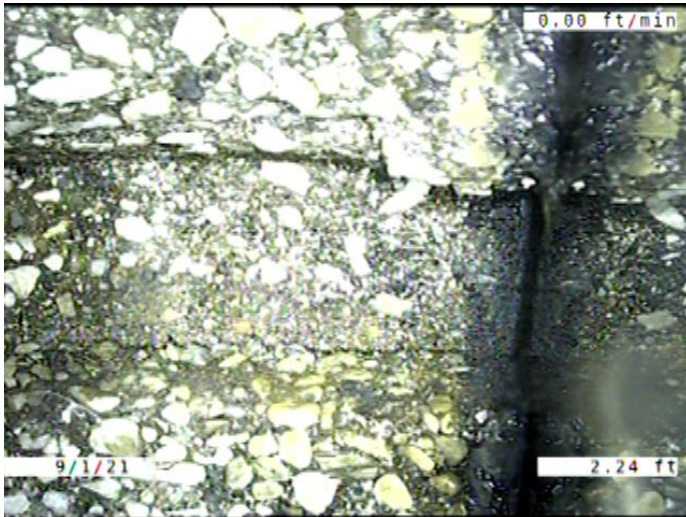
Code: **MWL**
 Description: **Miscellaneous Water Level**

Distance (ft): **.0**
 Structural Grade: **0**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **20.000**
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks:



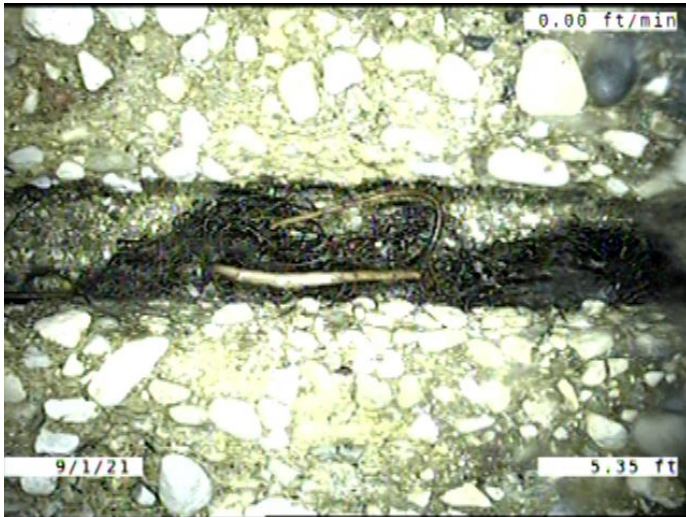
Code: **RFJ**
Description: **Roots Fine Joint**

Distance (ft): **2.2**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **10**
Clock To: **2**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



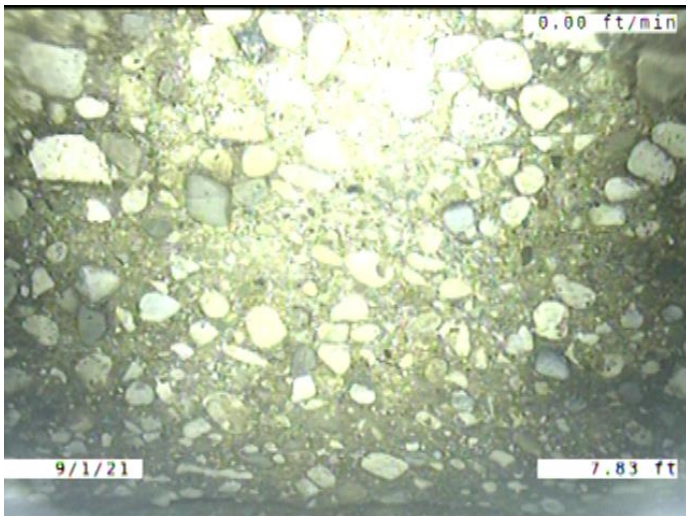
Code: **JAM**
Description: **Joint Angular Medium**

Distance (ft): **2.2**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



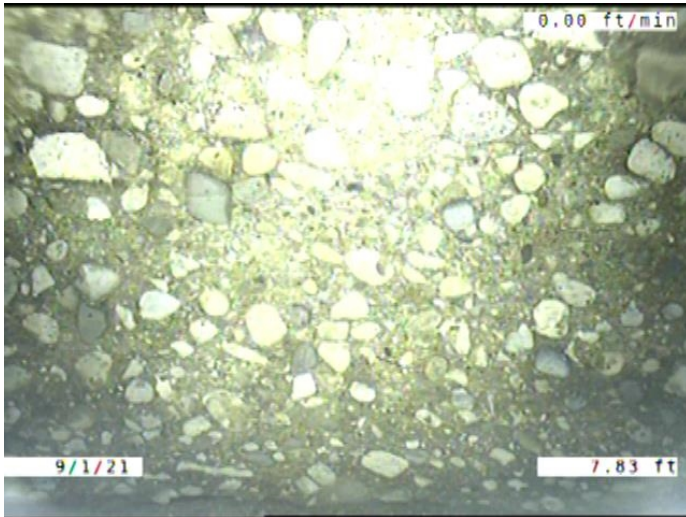
Code: **RFJ**
Description: **Roots Fine Joint**

Distance (ft): **5.4**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **10**
Clock To: **2**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

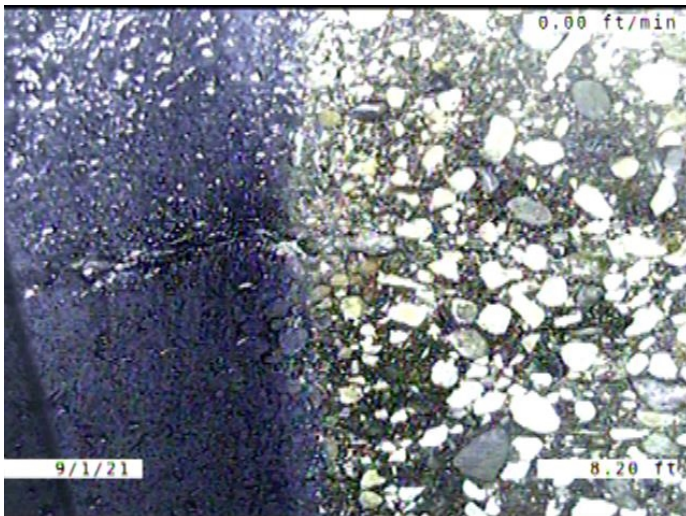


Code: **MWL**
Description: **Miscellaneous Water Level**

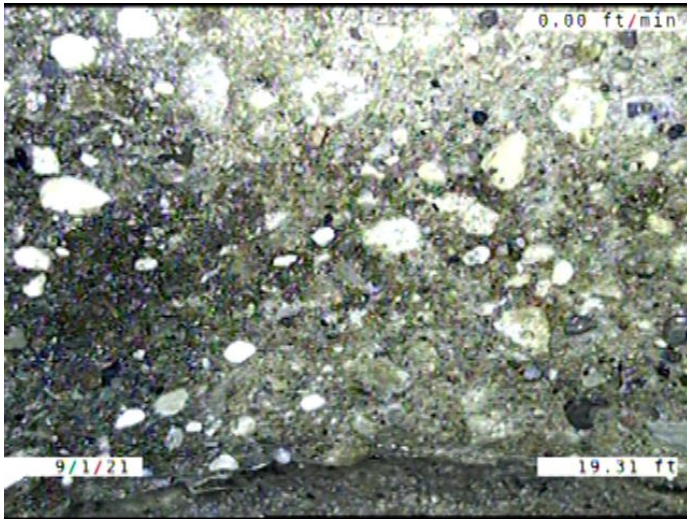
Distance (ft): **7.8**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **30.000**
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



Code:	MGO
Description:	Miscellaneous 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, but section is rerun around 10:00 in and asset does not go under

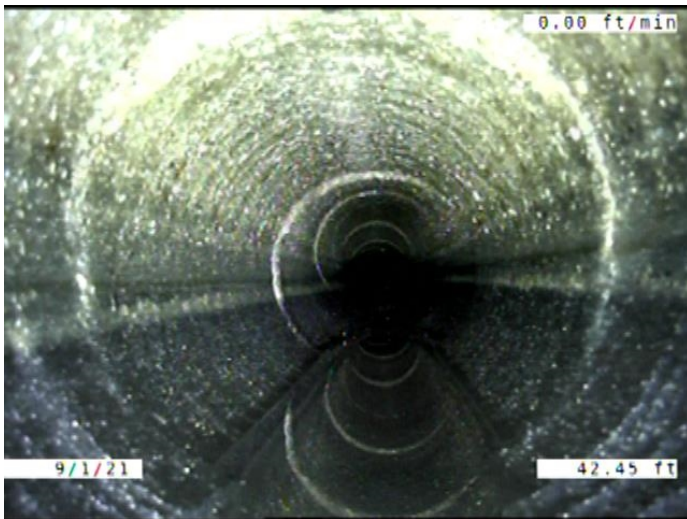


Code:	CS
Description:	Crack Spiral
Distance (ft):	8.2
Structural Grade:	2
O&M Grade:	0
Clock Start/From:	4
Clock To:	8
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	NO
Remarks:	



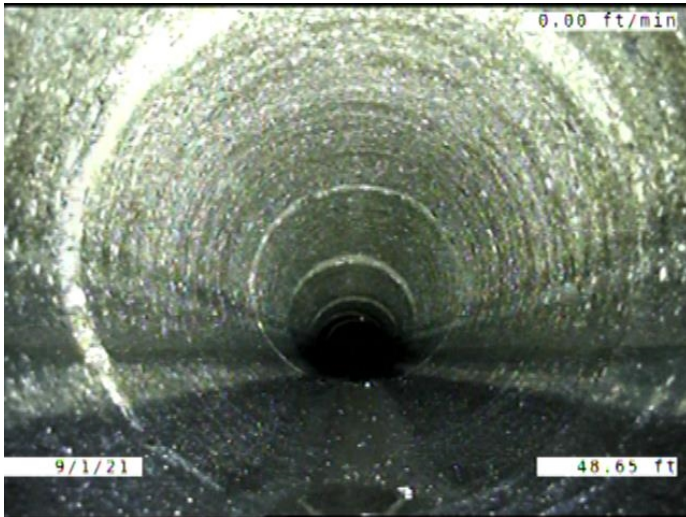
Code: **CS**
 Description: **Crack Spiral**

Distance (ft): **19.3**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From: **10**
 Clock To: **5**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



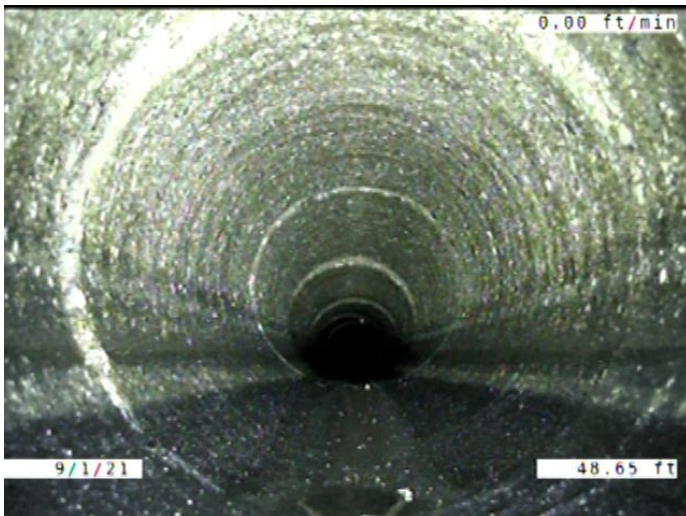
Code: **MWLS**
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **42.5**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index: **S02**
 Within 8" of Joint: **NO**
 Remarks:



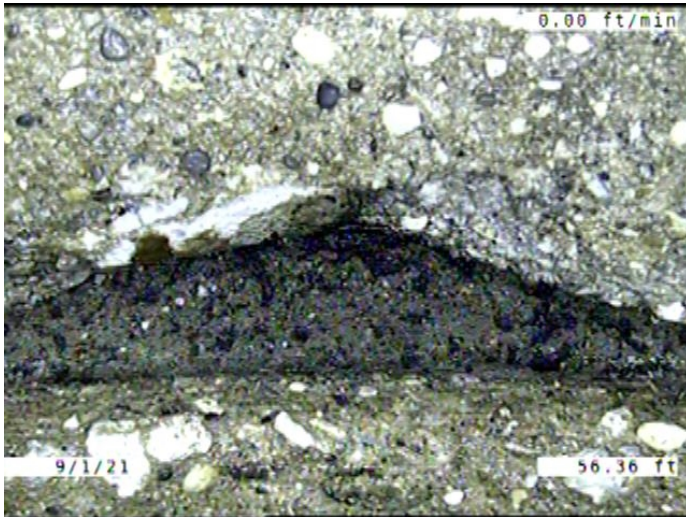
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **48.6**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **F02**
Within 8" of Joint: **NO**
Remarks:



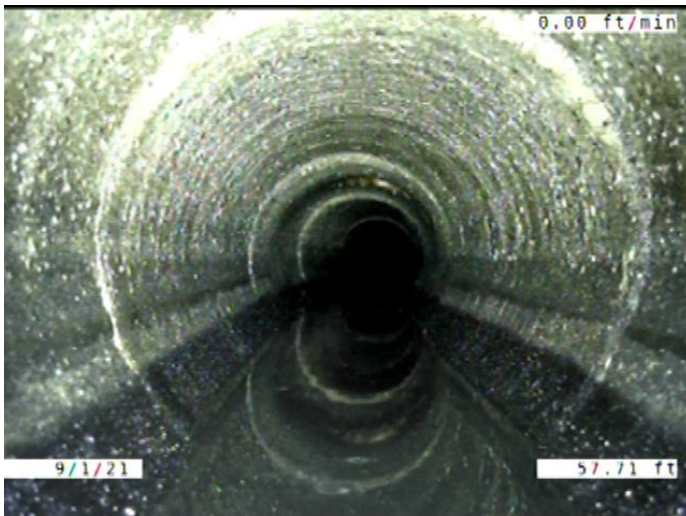
Code: **MWL**
Description: **Miscellaneous Water Level**

Distance (ft): **48.6**
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:



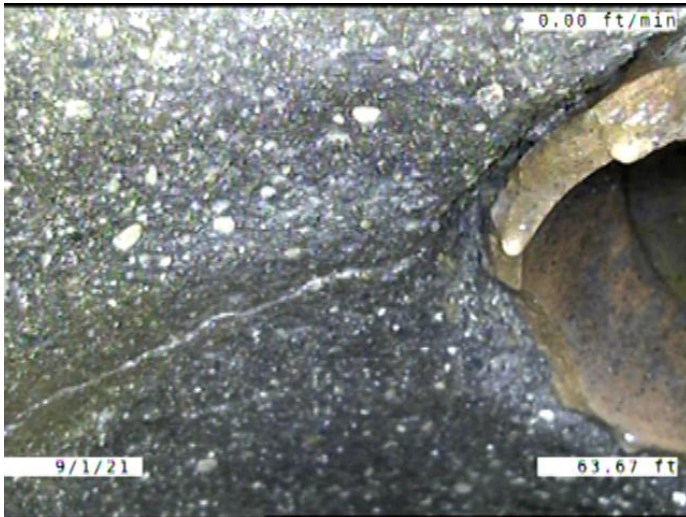
Code: **SMW**
 Description: **Surface Damage Missing Wall**

Distance (ft): **56.4**
 Structural Grade: **5**
 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:



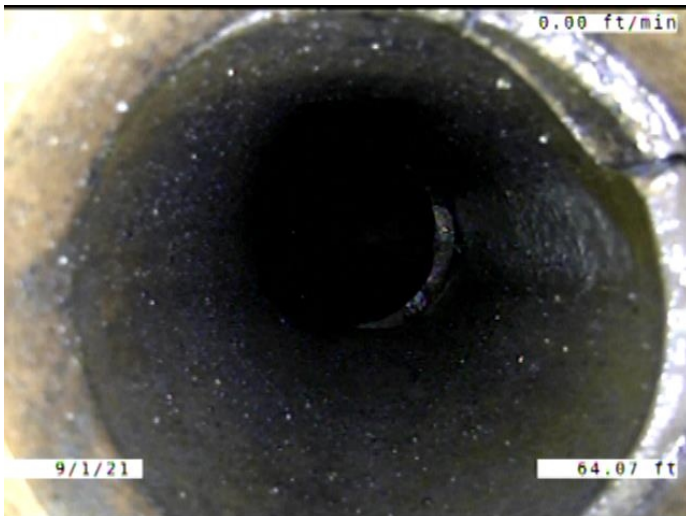
Code: **MWLS**
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **57.7**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index: **S03**
 Within 8" of Joint: **NO**
 Remarks:



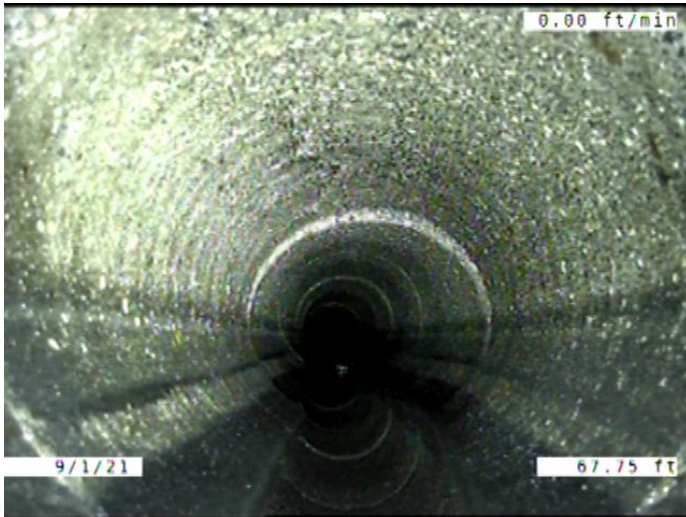
Code: **FM**
 Description: **Fracture Multiple**

Distance (ft): **63.7**
 Structural Grade: **4**
 O&M Grade: **0**
 Clock Start/From: **12**
 Clock To: **12**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks:



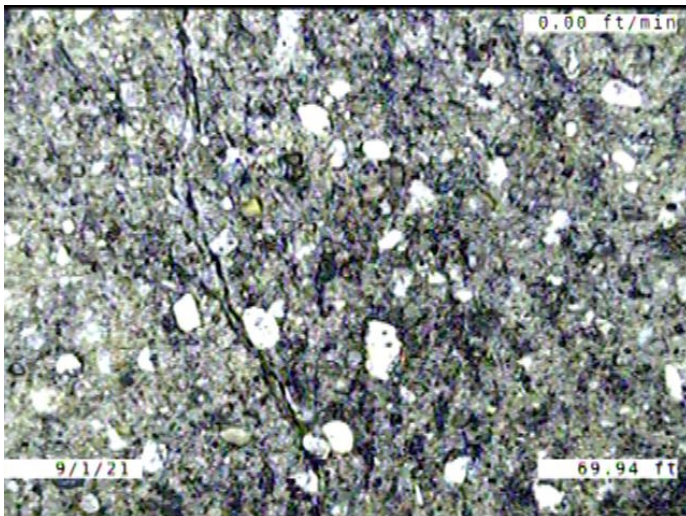
Code: **TBD**
 Description: **Tap Break-in/Hammer Defective**

Distance (ft): **64.1**
 Structural Grade: **0**
 O&M Grade: **3**
 Clock Start/From: **1**
 Clock To:
 1st Value: **4.000**
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks: **Debris**



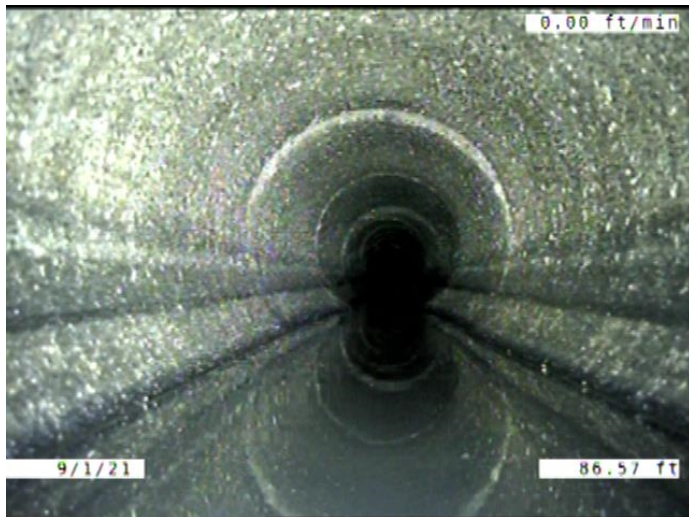
Code: **MWLS**
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **67.7**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index: **F03**
 Within 8" of Joint: **NO**
 Remarks:



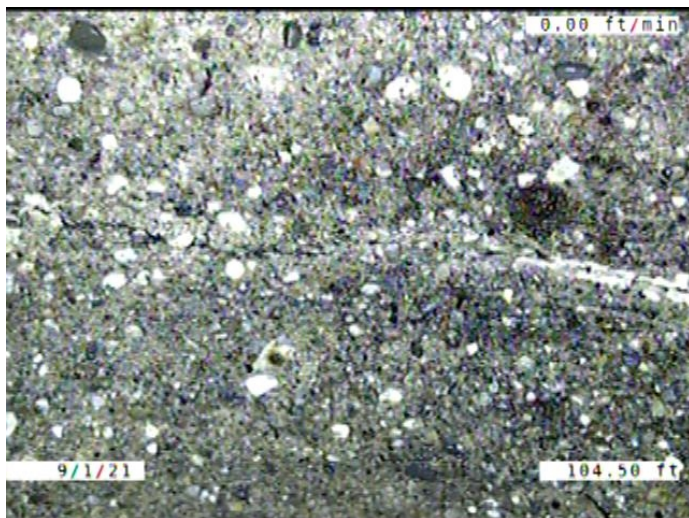
Code: **FL**
 Description: **Fracture Longitudinal**

Distance (ft): **69.9**
 Structural Grade: **3**
 O&M Grade: **0**
 Clock Start/From: **12**
 Clock To:
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index: **S04**
 Within 8" of Joint: **YES**
 Remarks:



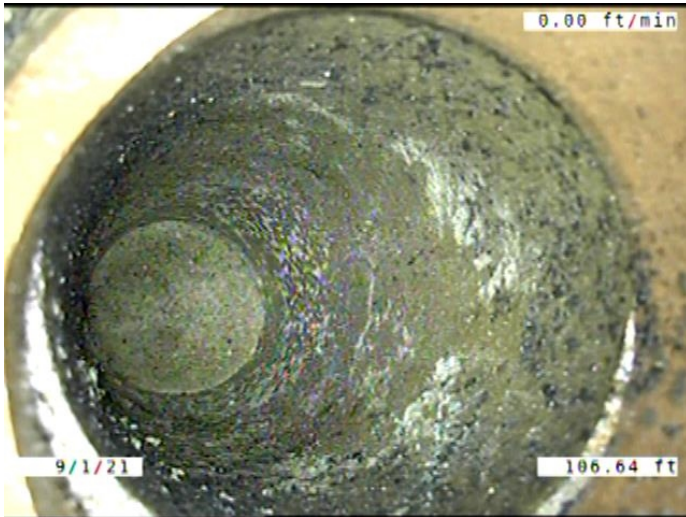
Code: **FL**
Description: **Fracture Longitudinal**

Distance (ft): **86.6**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From: **12**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index: **F04**
Within 8" of Joint: **YES**
Remarks:



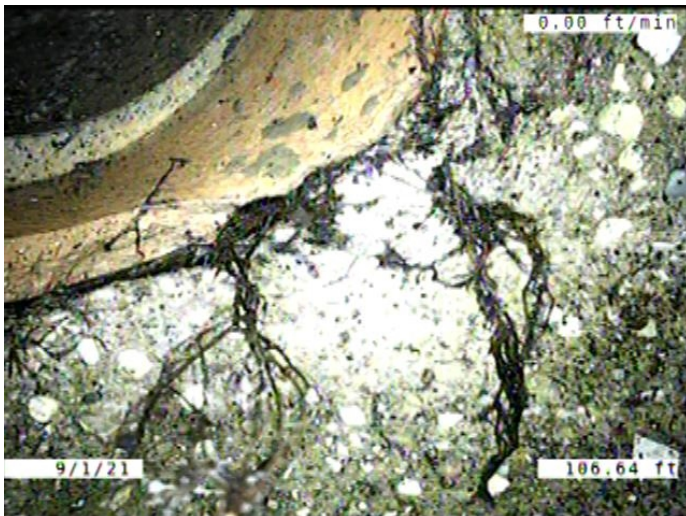
Code: **CM**
Description: **Crack Multiple**

Distance (ft): **104.5**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From: **12**
Clock To: **12**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



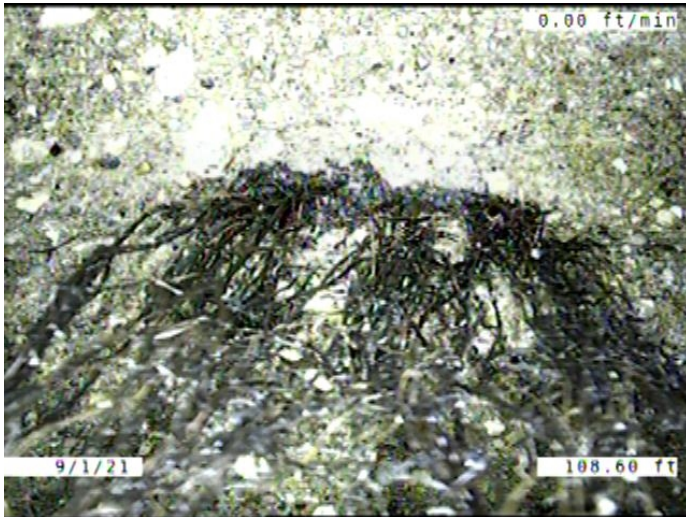
Code: **TB**
 Description: **Tap Break-in/Hammer**

Distance (ft): **106.6**
 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: **NO**
 Remarks:



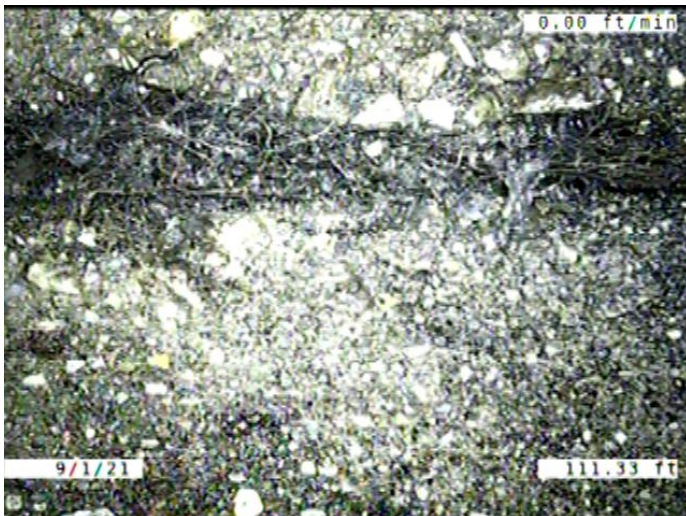
Code: **RFL**
 Description: **Roots Fine Lateral**

Distance (ft): **106.6**
 Structural Grade: **0**
 O&M Grade: **1**
 Clock Start/From: **11**
 Clock To: **12**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks:



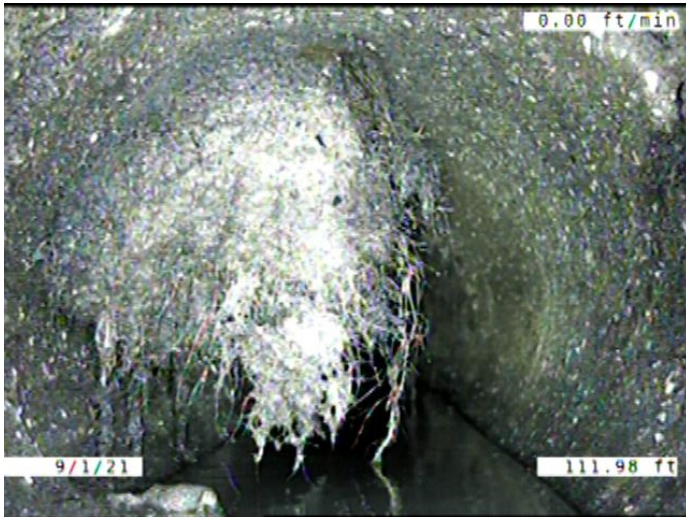
Code: **RMJ**
Description: **Roots Medium Joint**

Distance (ft): **108.6**
Structural Grade: **0**
O&M Grade: **3**
Clock Start/From: **8**
Clock To: **2**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



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

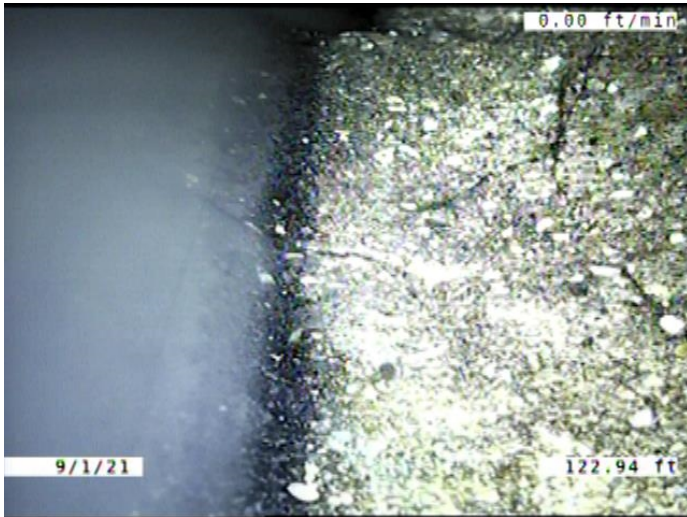
Distance (ft): **111.3**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **3**
Clock To: **4**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



Code:	RMJ
Description:	Roots Medium Joint
Distance (ft):	112.0
Structural Grade:	0
O&M Grade:	3
Clock Start/From:	8
Clock To:	12
1st Value:	
2nd Value:	
Value Percent:	30.000
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	

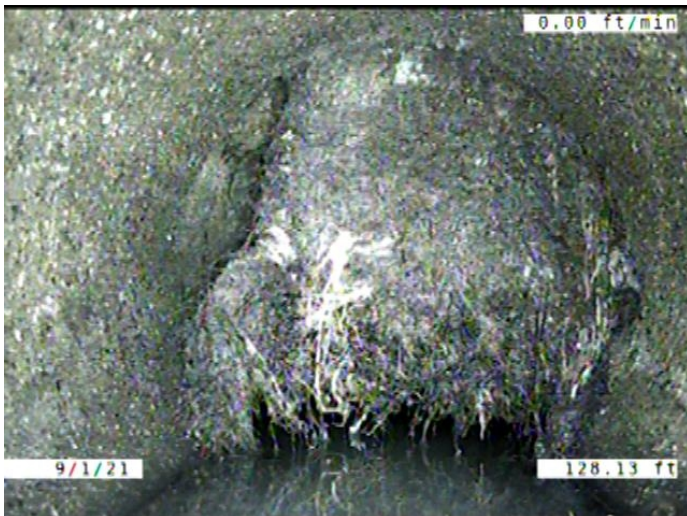


Code:	RMJ
Description:	Roots Medium Joint
Distance (ft):	118.7
Structural Grade:	0
O&M Grade:	3
Clock Start/From:	3
Clock To:	4
1st Value:	
2nd Value:	
Value Percent:	5.000
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



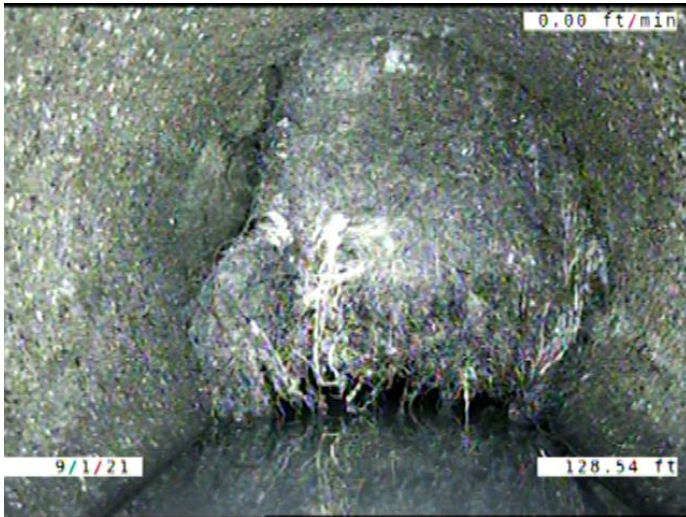
Code: **FM**
 Description: **Fracture Multiple**

Distance (ft): **122.9**
 Structural Grade: **4**
 O&M Grade: **0**
 Clock Start/From: **4**
 Clock To: **8**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



Code: **RBJ**
 Description: **Roots Ball Joint**

Distance (ft): **128.1**
 Structural Grade: **0**
 O&M Grade: **4**
 Clock Start/From: **7**
 Clock To: **5**
 1st Value:
 2nd Value:
 Value Percent: **85.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



Code:	MSA
Description:	Miscellaneous Survey Abandoned
Distance (ft):	128.5
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:	CAMERA CANT MAKE IT PAST ROOT BALL