

Profile/Photo Observation Report



Date:	09/02/2021	Weather:		Coding:	PACP 7.0
Pipe Length (ft):	286.3	Owner:	City of Hobart	Pre Clean:	Light Cleaning
P.O.#:	YES502259	Surveyor:	S. Bucklin	PSR:	P-504-127-128
Customer:	City of Hobart	Clean Date:	08/30/2021	Shape:	C

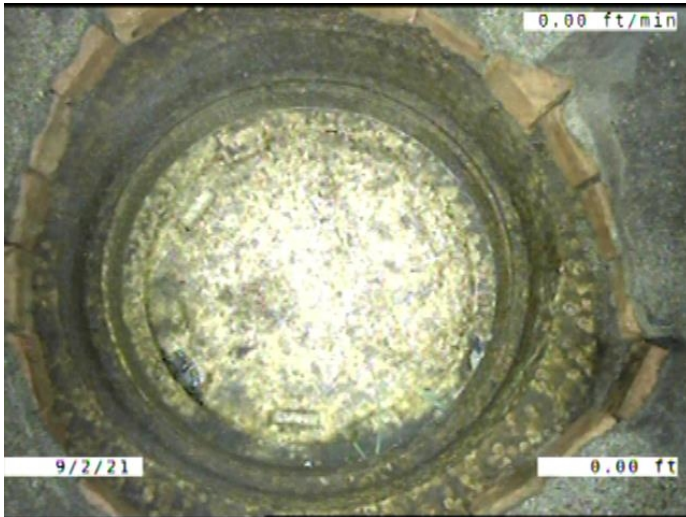
Street:	North Wilson Street	Flow Control:	Not Controlled
City:	Hobart, IN	Year Renewed:	
Location:	Alley	Tape/Media #:	
Purpose:	Routine Assessment	Dia/Height:	10"
Use:	Sanitary Sewage Pipe	Material:	CP
Drain Area:		Lining:	
Category:	NA		
Comment:			
Location Details:		Direction of Survey:	Downstream
US MH:	M-504-128	DS MH:	M-504-127
		Total Length Surveyed (ft):	286.3

O&M Index:	2.00	O&M Quick:	352M	O&M Rating:	166.00
Structural Index:	2.94	Structural Quick:	5145	Structural Rating:	50.00
Overall Index:	2.16	Overall Quick:	5145	Overall Rating:	216.00

	Position	Code	Observation	Video (sec)	Grade
	.0	AMH	Manhole	1	NA
	.0	MWL	Miscellaneous Water Level	69	NA
	2.0	DSF(S01)	Deposits Settled Fine	123	M 2
	8.5	CM	Crack Multiple	226	S 3
	8.5	RFB	Roots Fine Barrel	260	M 2
	9.0	TBI	Tap Break-in Intruding	285	M 2
	44.0	MMC	Miscellaneous Material Change	499	NA
	45.1	TFC	Tap Factory Capped	524	NA
	48.0	TFD	Tap Factory Defective	572	M 3
	50.1	MMC	Miscellaneous Material Change	623	NA
	50.1	RFJ	Roots Fine Joint	642	M 1
	65.1	FM	Fracture Multiple	789	S 4
	71.2	MMC	Miscellaneous Material Change	860	NA
	72.2	TFC	Tap Factory Capped	889	NA
	74.2	MMC	Miscellaneous Material Change	943	NA
	80.2	FM	Fracture Multiple	1020	S 4
	92.3	SMW	Surface Damage Missing Wall	1120	S 5
	98.4	MMC	Miscellaneous Material Change	1188	NA
	98.4	CM	Crack Multiple	1213	S 3

99.4	TFC	Tap Factory Capped	1239	NA
101.4	MMC	Miscellaneous Material Change	1285	NA
109.8	TBI	Tap Break-in Intruding	1369	M 2
113.7	JAM	Joint Angular Medium	1426	S 3
119.1	MWLS(S02)	Miscellaneous Water Level Sag	1479	S 2
146.8	MMC	Miscellaneous Material Change	1732	NA
147.6	TFD	Tap Factory Defective	1771	M 3
149.8	MMC	Miscellaneous Material Change	1823	NA
151.3	MWLS(F02)	Miscellaneous Water Level Sag	1848	S 2
152.3	OBZ	Obstruction Other	1865	M 2
161.8	FM	Fracture Multiple	2041	S 4
161.8	MMC	Miscellaneous Material Change	2120	NA
162.7	TFD	Tap Factory Defective	2070	M 3
164.9	MMC	Miscellaneous Material Change	2173	NA
173.7	DAE(S03)	Deposits Attached Encrustation	2231	M 2
204.1	MMC	Miscellaneous Material Change	2404	NA
205.2	TF	Tap Factory	2450	NA
207.1	FM	Fracture Multiple	2542	S 4
208.2	TFD	Tap Factory Defective	2570	M 3
210.1	MMC	Miscellaneous Material Change	2627	NA
210.2	CM	Crack Multiple	2684	S 3
210.2	RFJ	Roots Fine Joint	2698	M 1
216.2	RFJ	Roots Fine Joint	2762	M 1
216.2	RFJ	Roots Fine Joint	2776	M 1
219.4	RFJ	Roots Fine Joint	2845	M 1
229.7	DAE(F03)	Deposits Attached Encrustation	2903	M 2
239.9	TB	Tap Break-in/Hammer	2987	NA
246.3	DAE	Deposits Attached Encrustation	3059	M 2
255.5	MMC	Miscellaneous Material Change	3171	NA
256.6	TFC	Tap Factory Capped	3199	NA
258.6	FM	Fracture Multiple	3280	S 4
259.4	TFD	Tap Factory Defective	3330	M 3
261.6	MMC	Miscellaneous Material Change	3380	NA
284.5	CC	Crack Circumferential	3586	S 1
285.6	DSF(F01)	Deposits Settled Fine	3612	M 2
286.3	AMH	Manhole	3725	NA

M-504-127



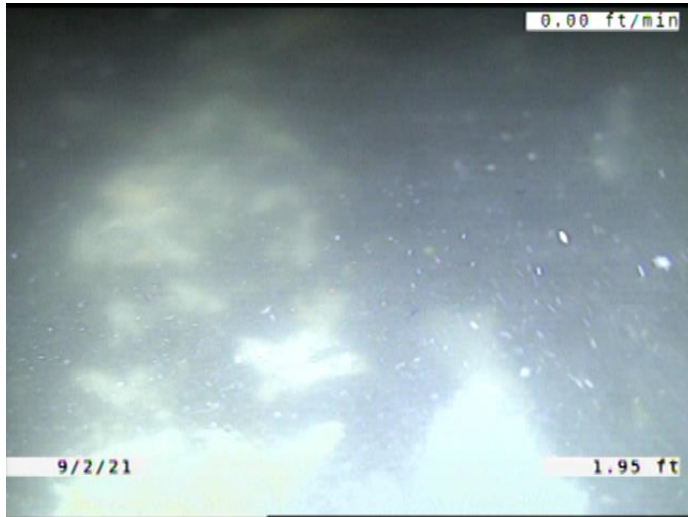
Code: **AMH**
Description: **Manhole**

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-504-128**



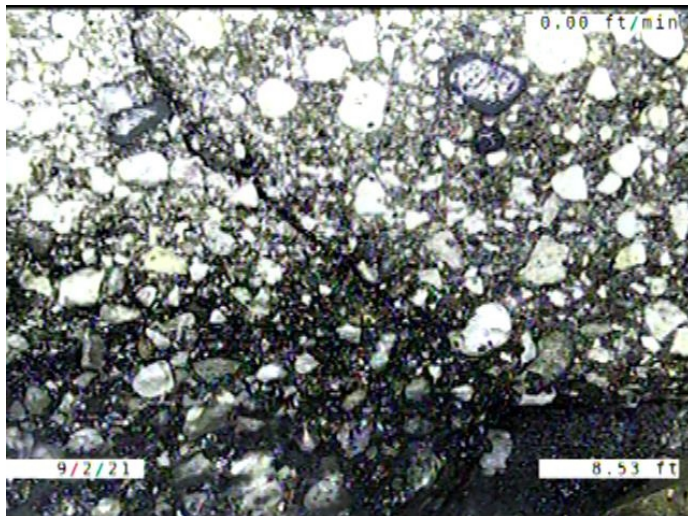
Code: **MWL**
Description: **Miscellaneous Water Level**

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



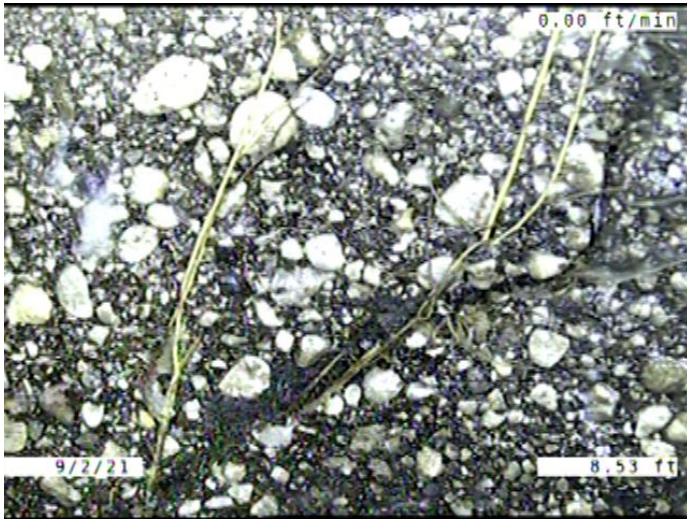
Code: **DSF**
 Description: **Deposits Settled Fine**

Distance (ft): **2.0**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **5**
 Clock To: **7**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index: **S01**
 Within 8" of Joint: **YES**
 Remarks:



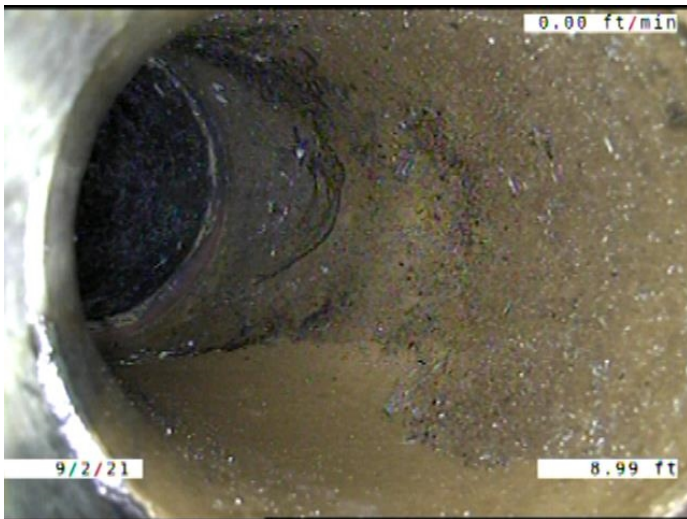
Code: **CM**
 Description: **Crack Multiple**

Distance (ft): **8.5**
 Structural Grade: **3**
 O&M Grade: **0**
 Clock Start/From: **7**
 Clock To: **5**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



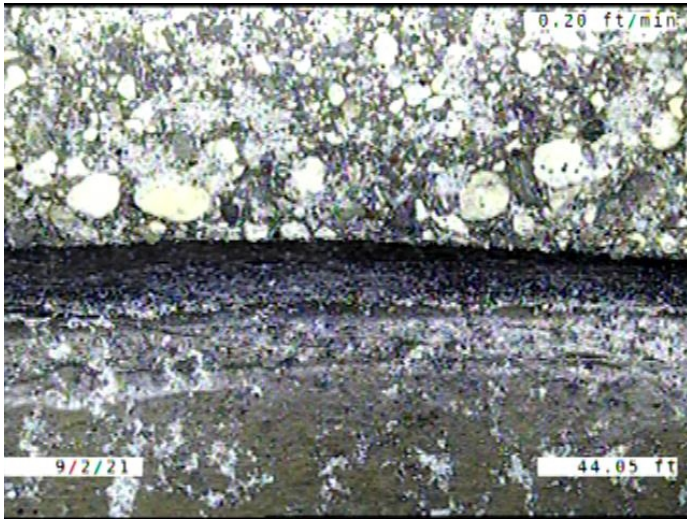
Code: **RFB**
Description: **Roots Fine Barrel**

Distance (ft): **8.5**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **3**
Clock To: **4**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



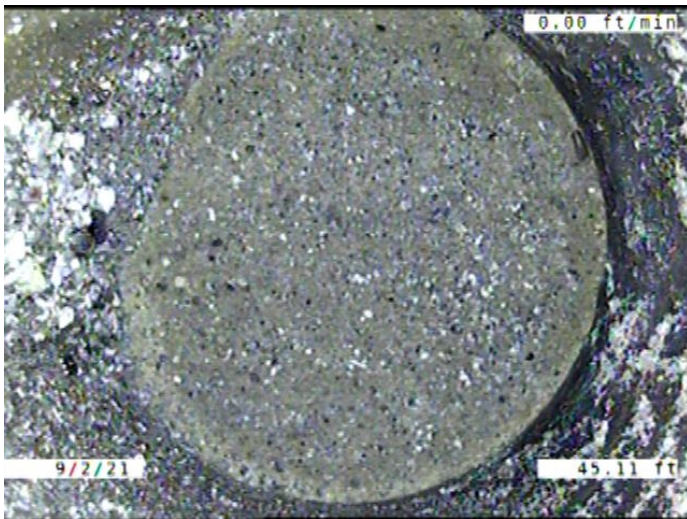
Code: **TBI**
Description: **Tap Break-in Intruding**

Distance (ft): **9.0**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **11**
Clock To:
1st Value: **6.000**
2nd Value: **2.000**
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



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

Distance (ft): **44.0**
 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: **CONCRETE TO VCP**



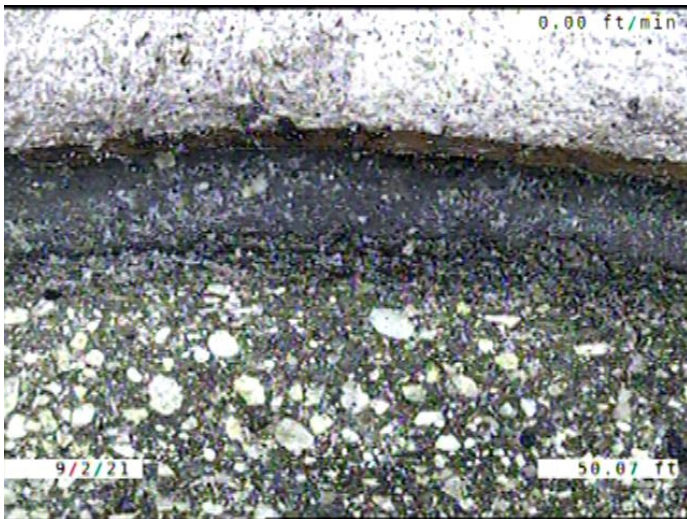
Code: **TFC**
 Description: **Tap Factory Capped**

Distance (ft): **45.1**
 Structural Grade: **0**
 O&M Grade: **0**
 Clock Start/From: **10**
 Clock To:
 1st Value: **6.000**
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



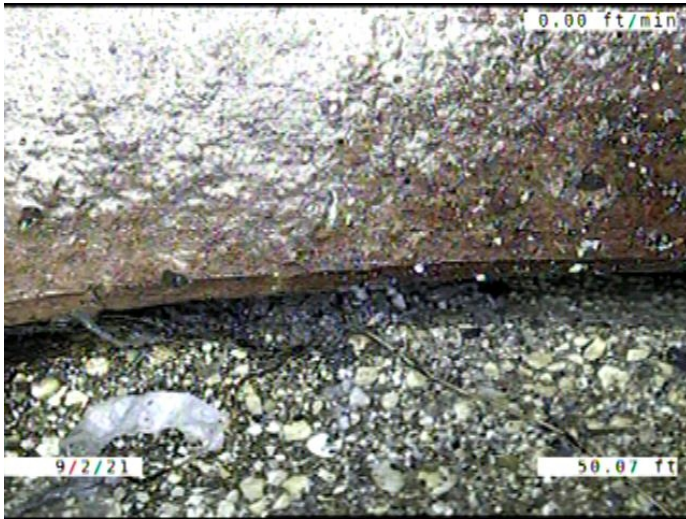
Code: **TFD**
 Description: **Tap Factory Defective**

Distance (ft): **48.0**
 Structural Grade: **0**
 O&M Grade: **3**
 Clock Start/From: **2**
 Clock To:
 1st Value: **4.000**
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks: **Debris**



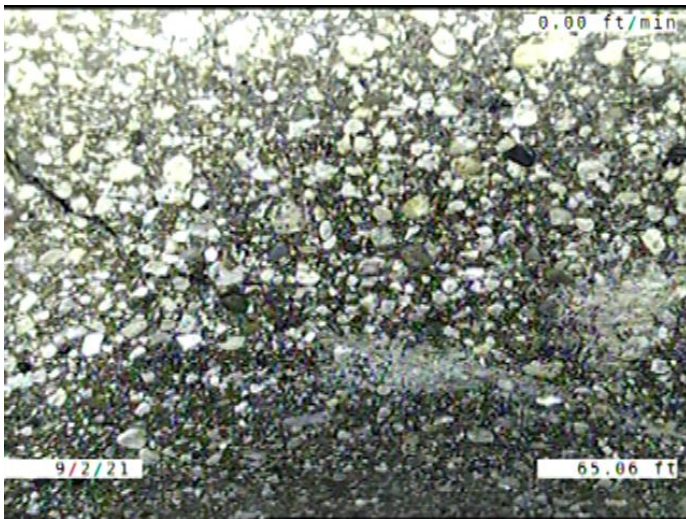
Code: **MMC**
 Description: **Miscellaneous Material Change**

Distance (ft): **50.1**
 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: **VCP TO CONCRETE**



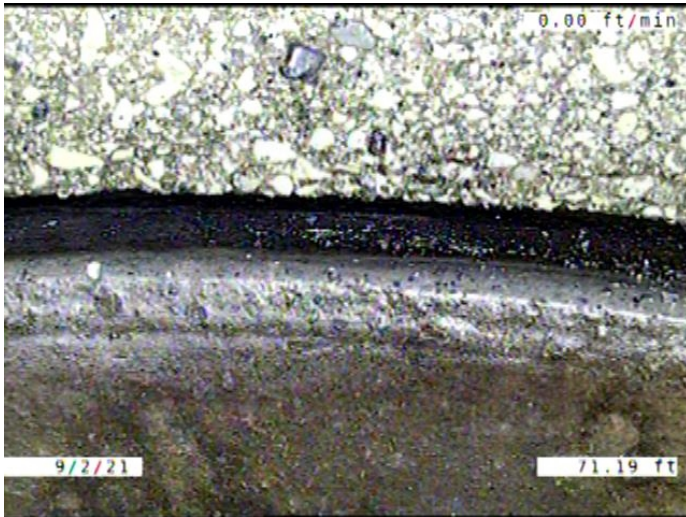
Code: **RFJ**
 Description: **Roots Fine Joint**

Distance (ft): **50.1**
 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:



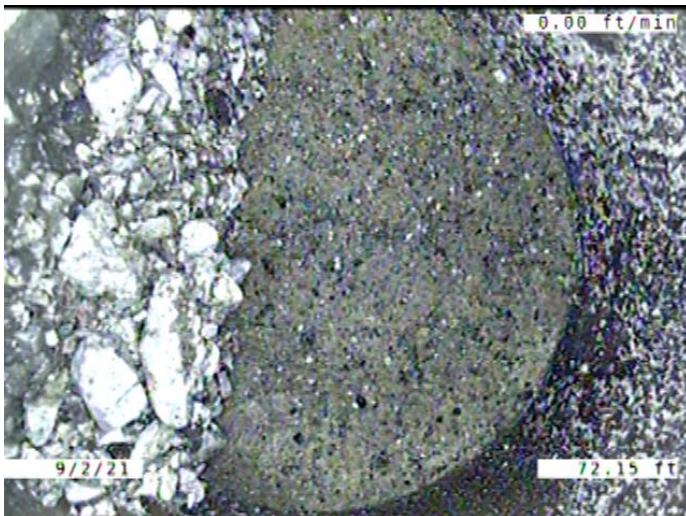
Code: **FM**
 Description: **Fracture Multiple**

Distance (ft): **65.1**
 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:



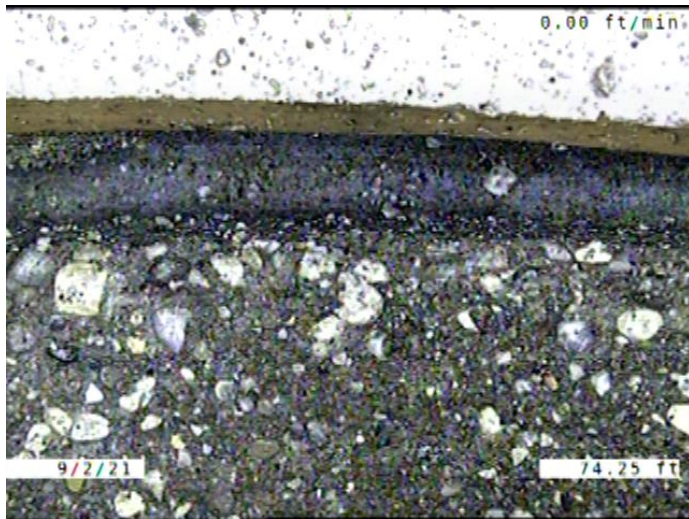
Code: **MMC**
 Description: **Miscellaneous Material Change**

Distance (ft): **71.2**
 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: **CONCRETE TO VCP**



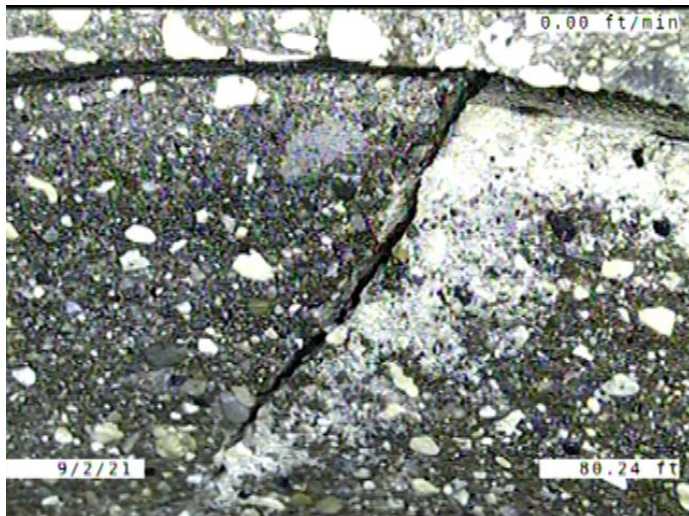
Code: **TFC**
 Description: **Tap Factory Capped**

Distance (ft): **72.2**
 Structural Grade: **0**
 O&M Grade: **0**
 Clock Start/From: **9**
 Clock To:
 1st Value: **6.000**
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



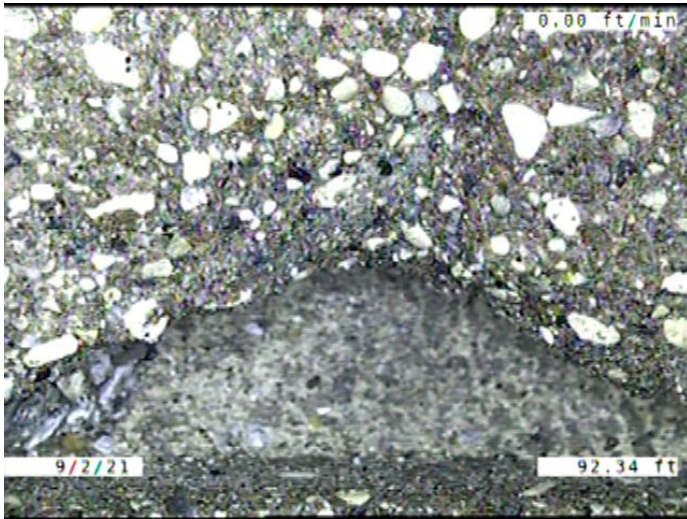
Code: **MMC**
 Description: **Miscellaneous Material Change**

Distance (ft): **74.2**
 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: **VCP TO CONCRETE**



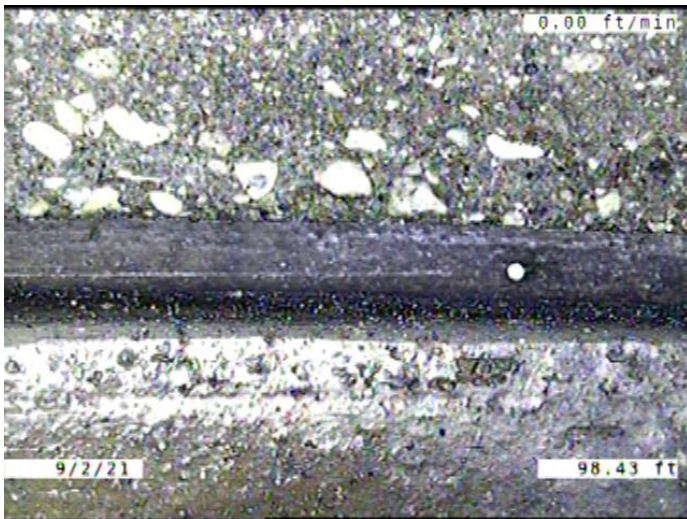
Code: **FM**
 Description: **Fracture Multiple**

Distance (ft): **80.2**
 Structural Grade: **4**
 O&M Grade: **0**
 Clock Start/From: **9**
 Clock To: **2**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



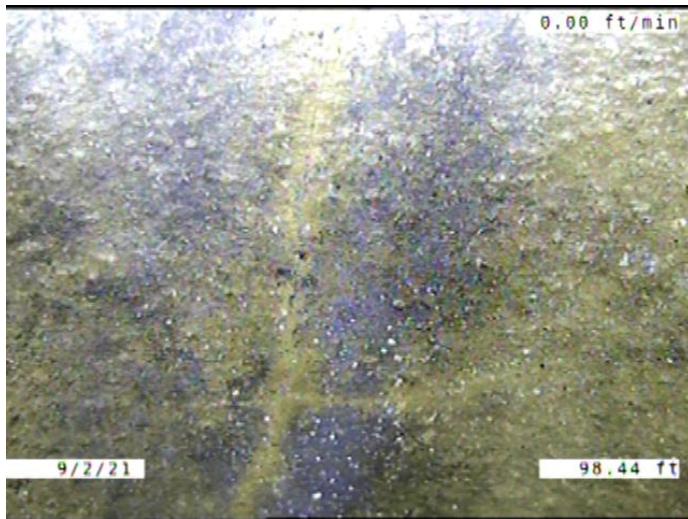
Code: **SMW**
Description: **Surface Damage Missing Wall**

Distance (ft): **92.3**
Structural Grade: **5**
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: **INSIDE OF THE JOINT**



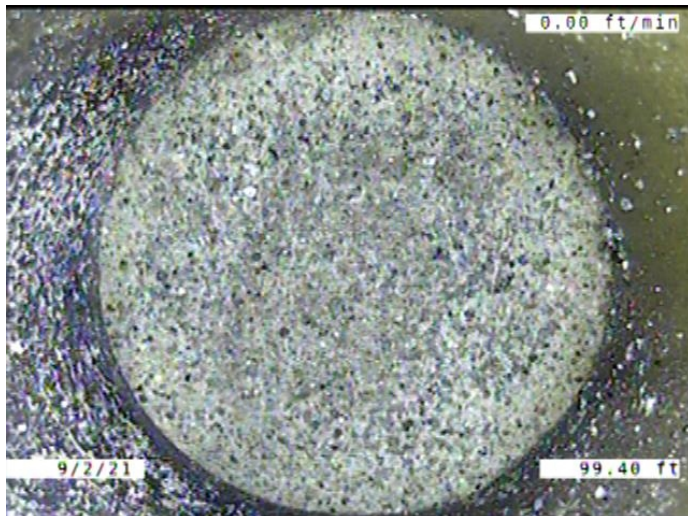
Code: **MMC**
Description: **Miscellaneous Material Change**

Distance (ft): **98.4**
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: **CONCRETE TO VCP**



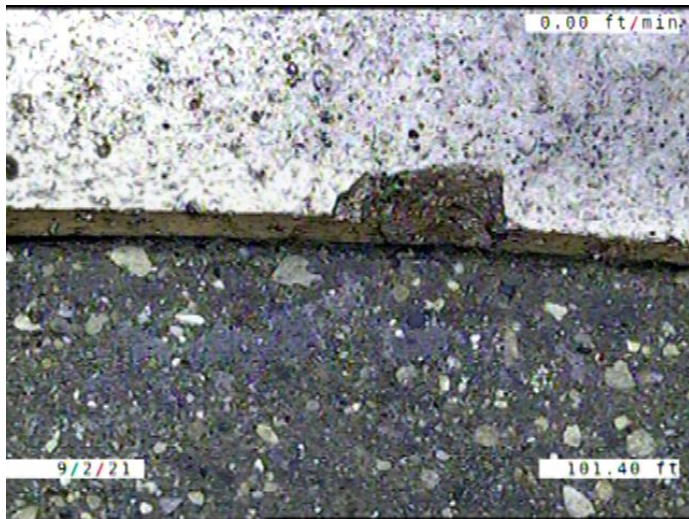
Code: **CM**
 Description: **Crack Multiple**

Distance (ft): **98.4**
 Structural Grade: **3**
 O&M Grade: **0**
 Clock Start/From: **12**
 Clock To: **1**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



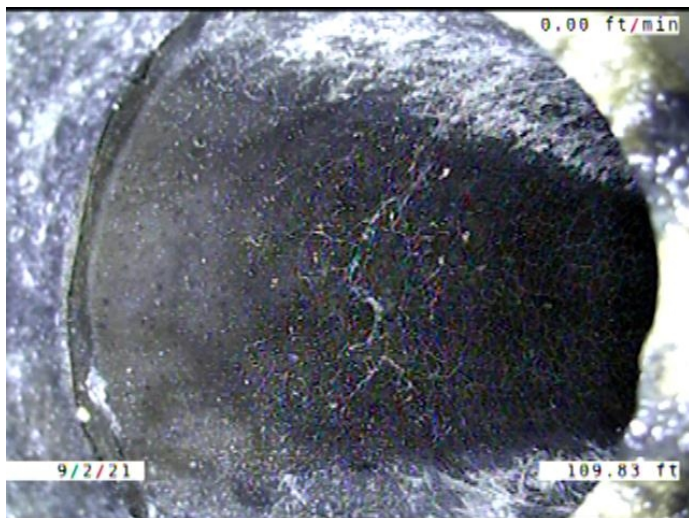
Code: **TFC**
 Description: **Tap Factory Capped**

Distance (ft): **99.4**
 Structural Grade: **0**
 O&M Grade: **0**
 Clock Start/From: **1**
 Clock To:
 1st Value: **6.000**
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



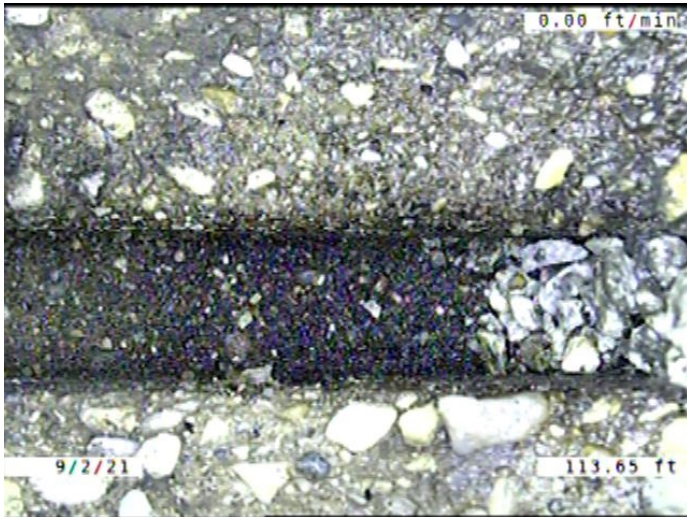
Code: **MMC**
 Description: **Miscellaneous Material Change**

Distance (ft): **101.4**
 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: **VCP TO CONCRETE**



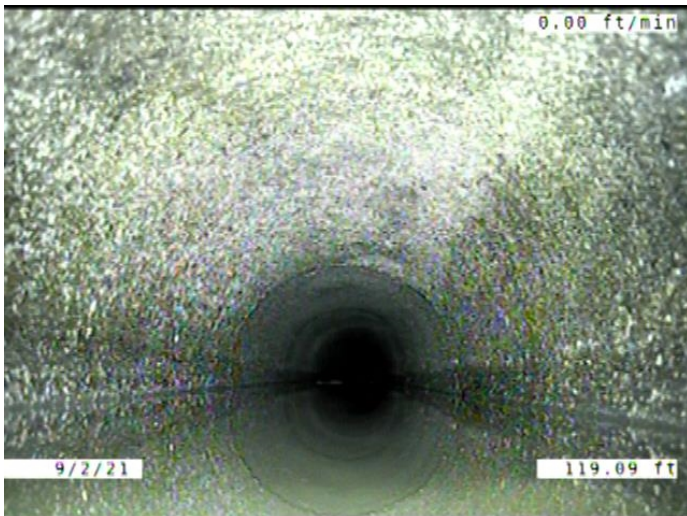
Code: **TBI**
 Description: **Tap Break-in Intruding**

Distance (ft): **109.8**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **2**
 Clock To:
 1st Value: **6.000**
 2nd Value: **2.000**
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



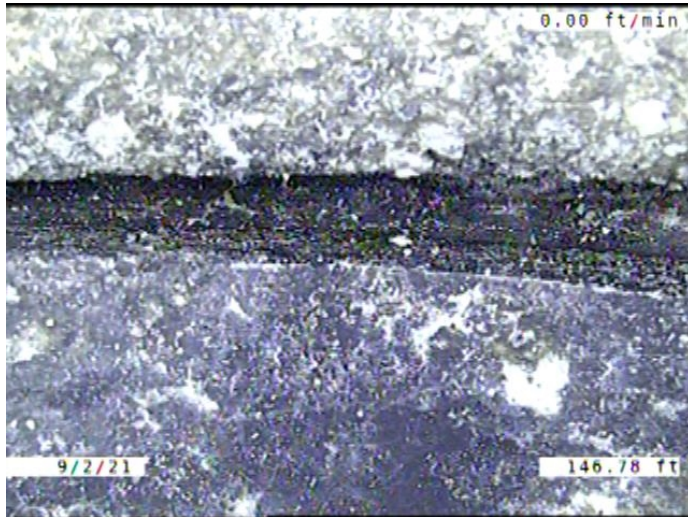
Code: **JAM**
Description: **Joint Angular Medium**

Distance (ft): **113.7**
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: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **119.1**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **15.000**
Continuous Index: **S02**
Within 8" of Joint: **NO**
Remarks:



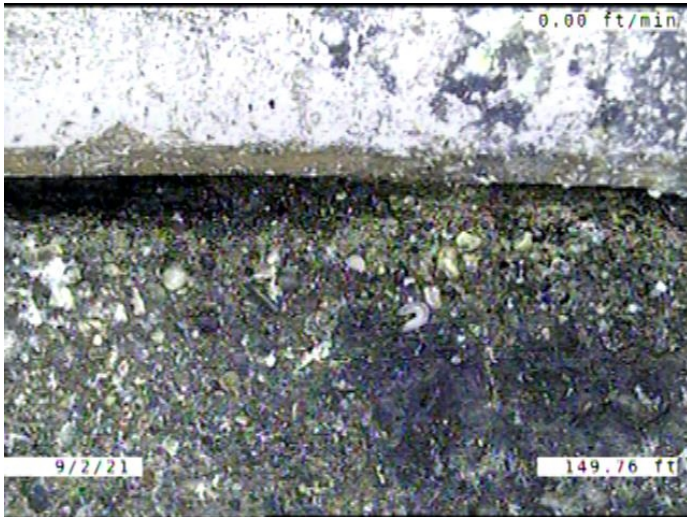
Code: **MMC**
 Description: **Miscellaneous Material Change**

Distance (ft): **146.8**
 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: **CONCRETE TO VCP**



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

Distance (ft): **147.6**
 Structural Grade: **0**
 O&M Grade: **3**
 Clock Start/From: **2**
 Clock To:
 1st Value: **6.000**
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks: **Debris**



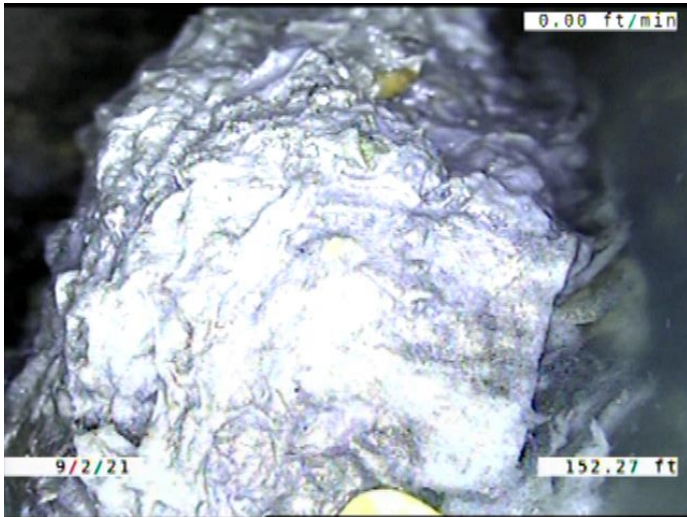
Code: **MMC**
 Description: **Miscellaneous Material Change**

Distance (ft): **149.8**
 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 TO CONCRETE**



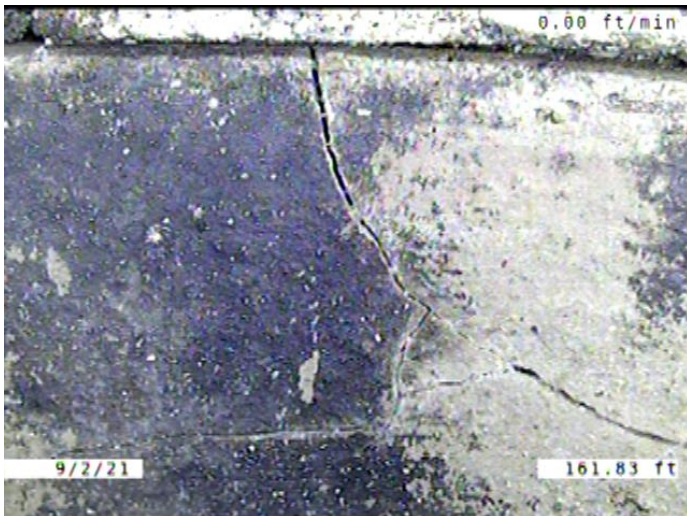
Code: **MWLS**
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **151.3**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **15.000**
 Continuous Index: **F02**
 Within 8" of Joint: **NO**
 Remarks:



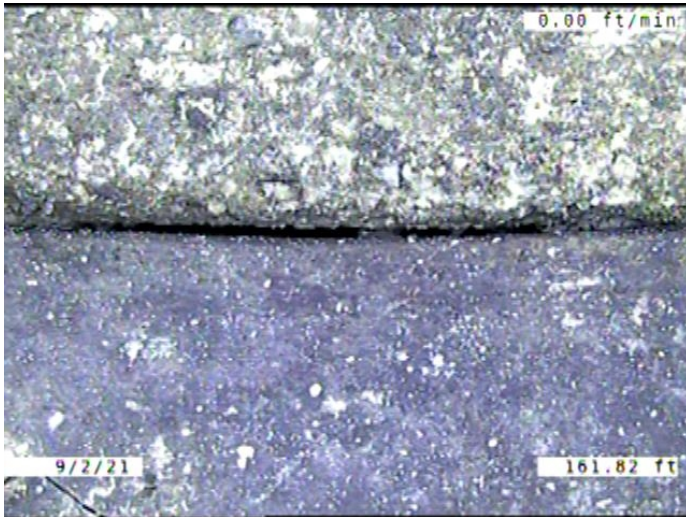
Code: **OBZ**
 Description: **Obstruction Other**

Distance (ft): **152.3**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **6**
 Clock To: **8**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks: **TP AND RAGS**



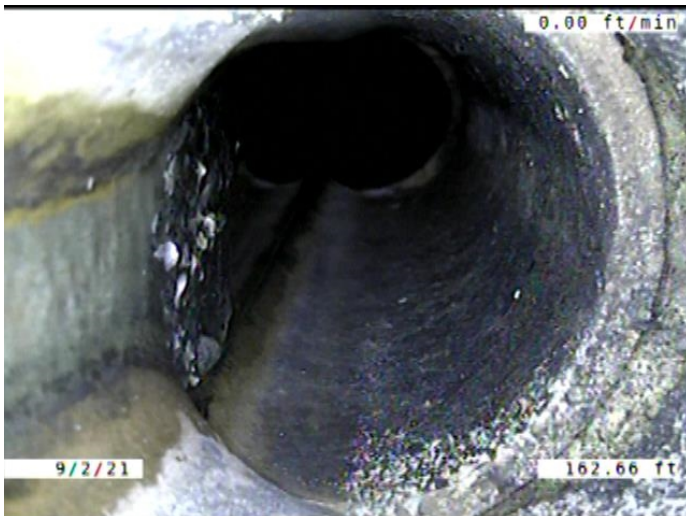
Code: **FM**
 Description: **Fracture Multiple**

Distance (ft): **161.8**
 Structural Grade: **4**
 O&M Grade: **0**
 Clock Start/From: **7**
 Clock To: **12**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



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

Distance (ft): **161.8**
 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: **CONCRETE TO VCP**



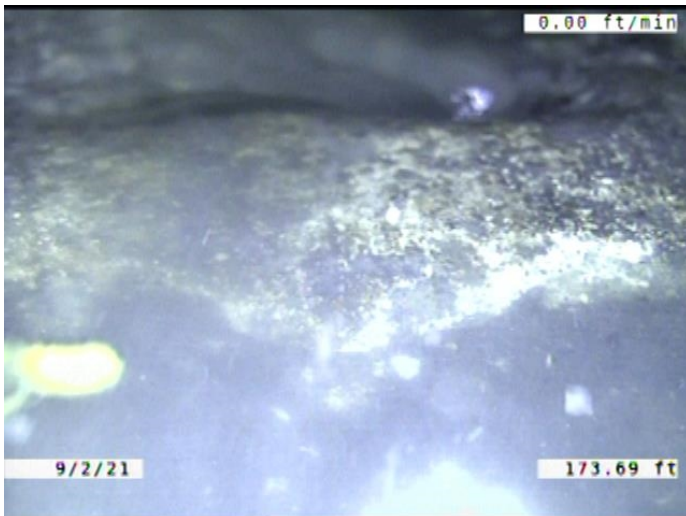
Code: **TFD**
 Description: **Tap Factory Defective**

Distance (ft): **162.7**
 Structural Grade: **0**
 O&M Grade: **3**
 Clock Start/From: **9**
 Clock To:
 1st Value: **6.000**
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks: **Debris**



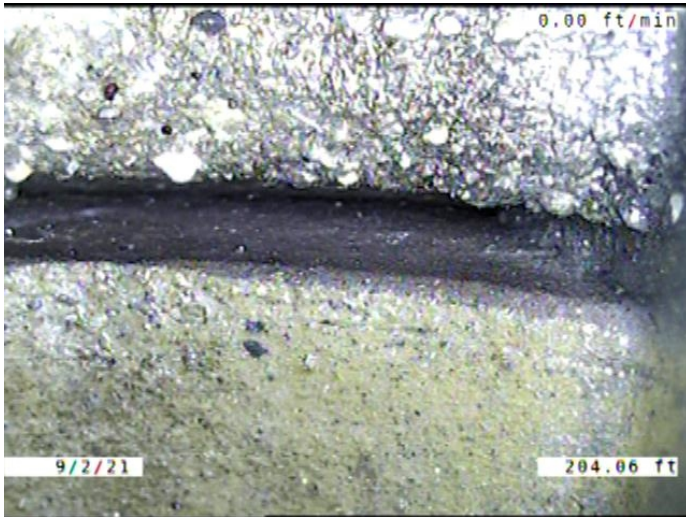
Code: **MMC**
Description: **Miscellaneous Material Change**

Distance (ft): **164.9**
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: **VCP TO CONCRETE**



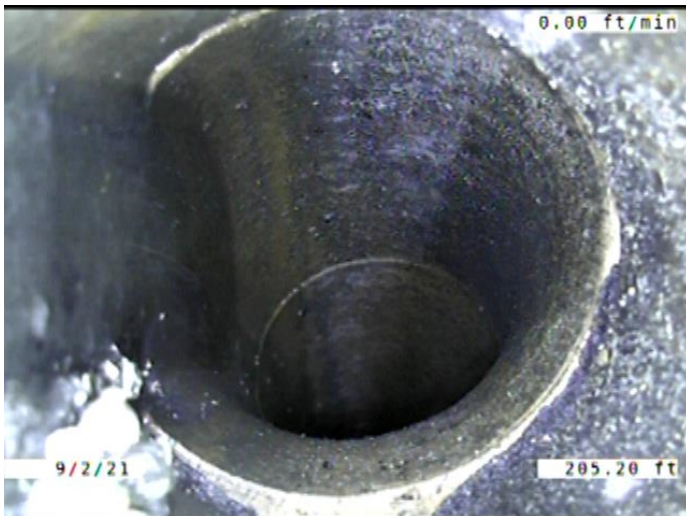
Code: **DAE**
Description: **Deposits Attached Encrustation**

Distance (ft): **173.7**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **4**
Clock To: **8**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **S03**
Within 8" of Joint: **YES**
Remarks:



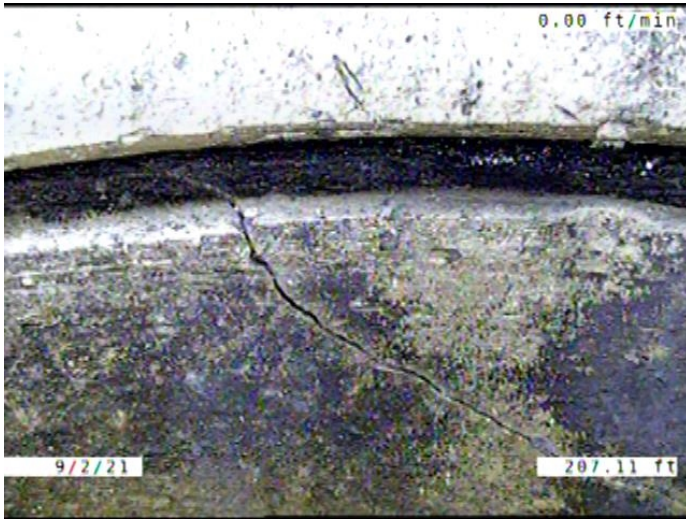
Code: **MMC**
Description: **Miscellaneous Material Change**

Distance (ft): **204.1**
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: **CONCRETE TO VCP**



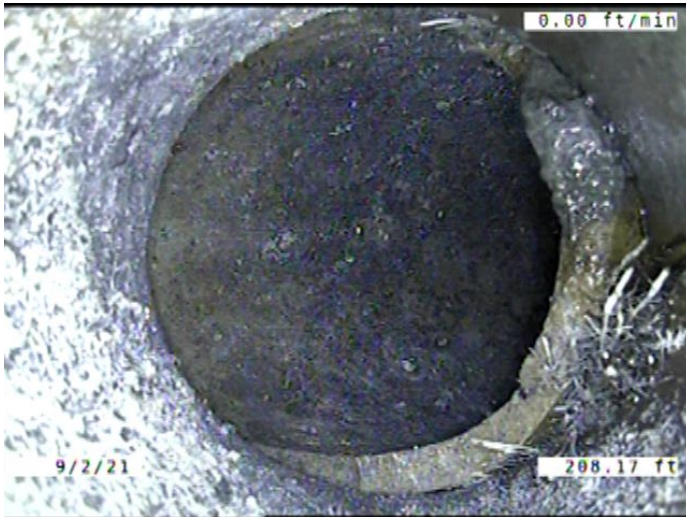
Code: **TF**
Description: **Tap Factory**

Distance (ft): **205.2**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **9**
Clock To:
1st Value: **6.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



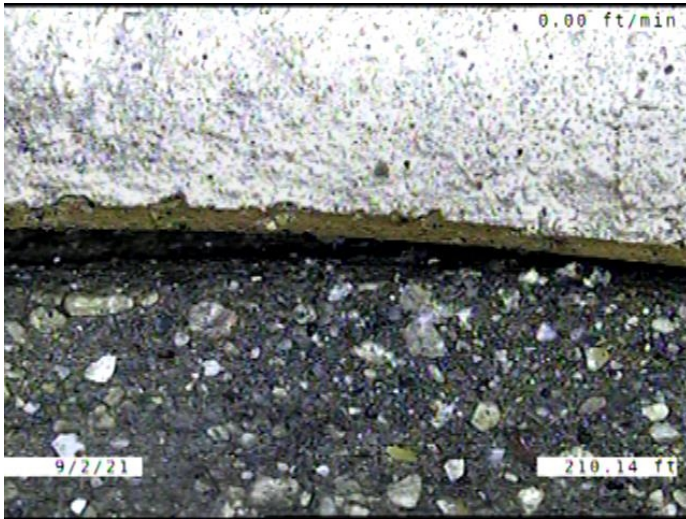
Code: **FM**
Description: **Fracture Multiple**

Distance (ft): **207.1**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **10**
Clock To: **3**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



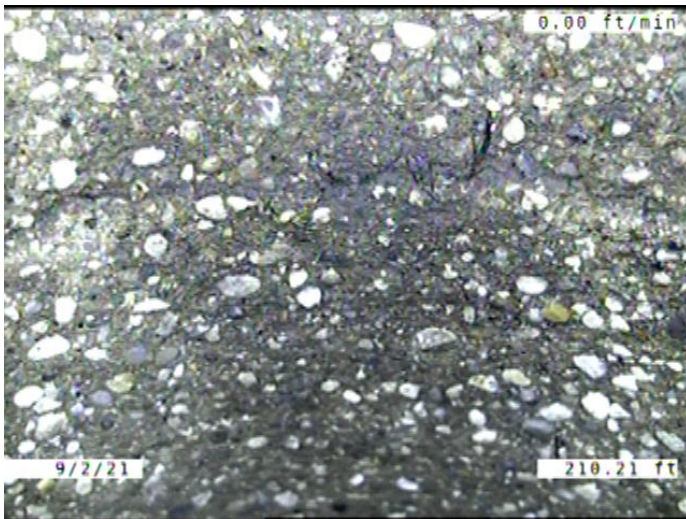
Code: **TFD**
Description: **Tap Factory Defective**

Distance (ft): **208.2**
Structural Grade: **0**
O&M Grade: **3**
Clock Start/From: **1**
Clock To:
1st Value: **6.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks: **Debris**



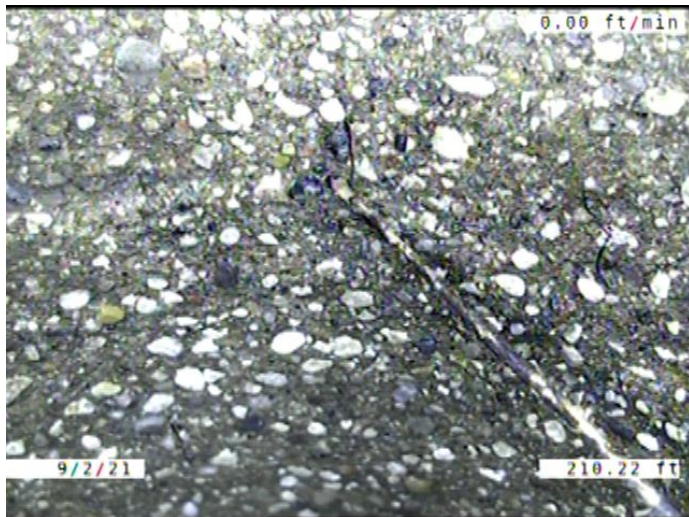
Code: **MMC**
 Description: **Miscellaneous Material Change**

Distance (ft): **210.1**
 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: **VCP TO CONCRETE**



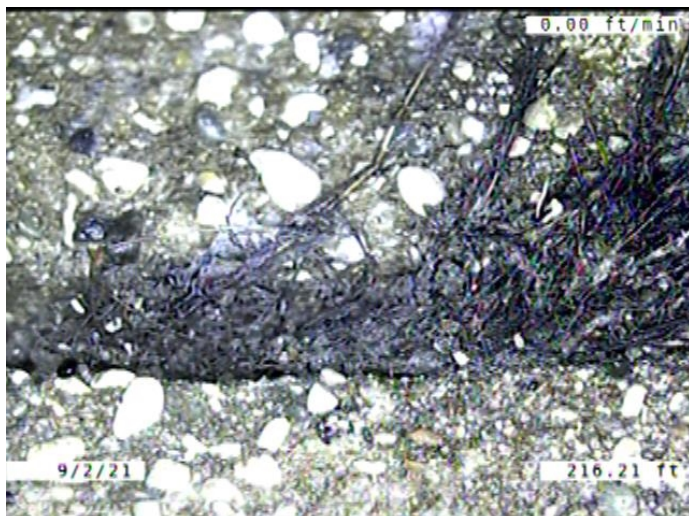
Code: **CM**
 Description: **Crack Multiple**

Distance (ft): **210.2**
 Structural Grade: **3**
 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:



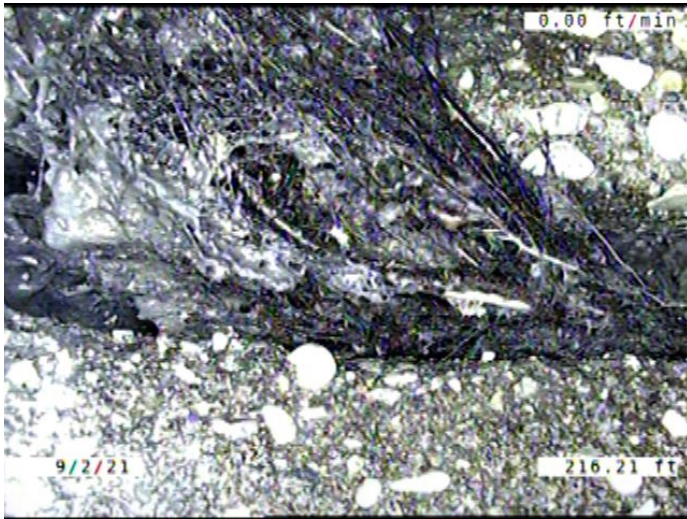
Code: **RFJ**
 Description: **Roots Fine Joint**

Distance (ft): **210.2**
 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:



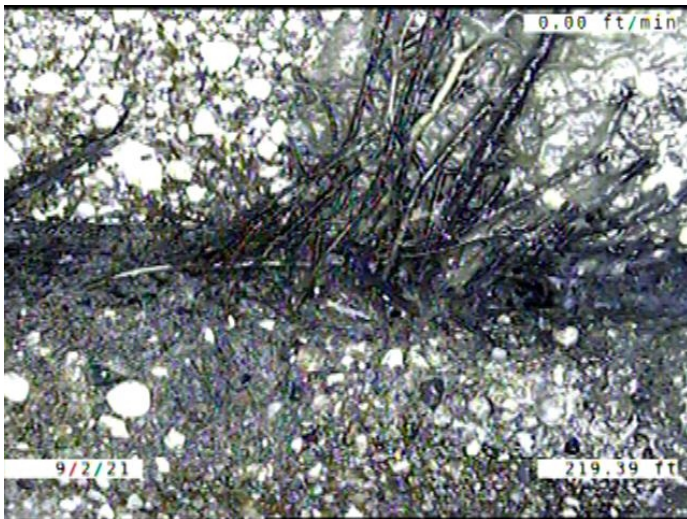
Code: **RFJ**
 Description: **Roots Fine Joint**

Distance (ft): **216.2**
 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:



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

Distance (ft): **216.2**
 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:



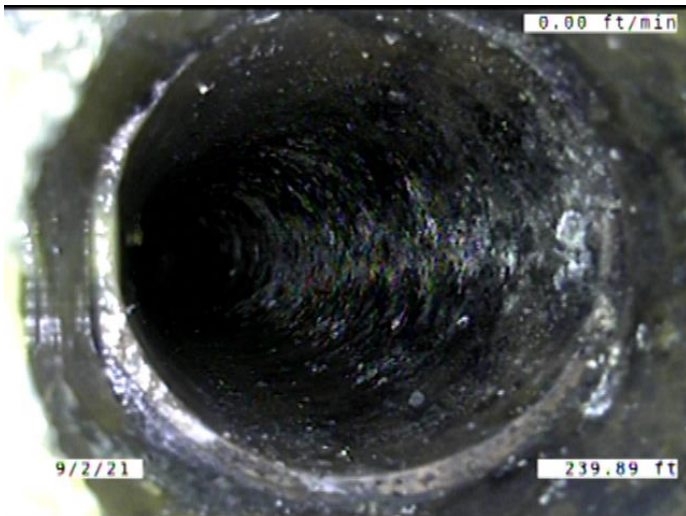
Code: **RFJ**
 Description: **Roots Fine Joint**

Distance (ft): **219.4**
 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:



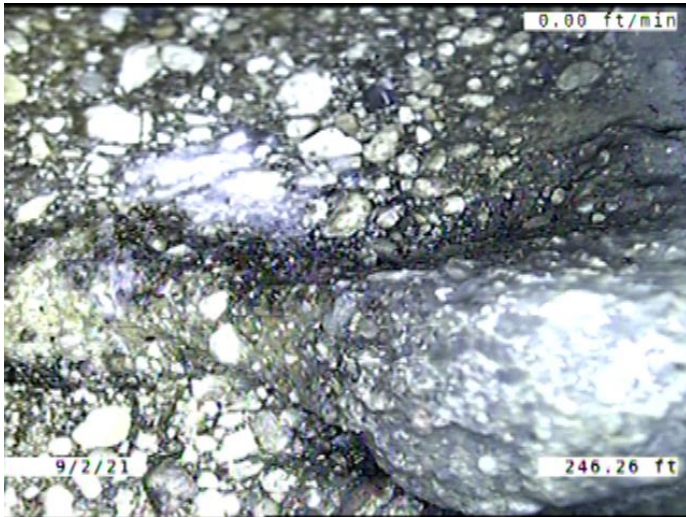
Code: **DAE**
Description: **Deposits Attached Encrustation**

Distance (ft): **229.7**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **4**
Clock To: **8**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **F03**
Within 8" of Joint: **YES**
Remarks:



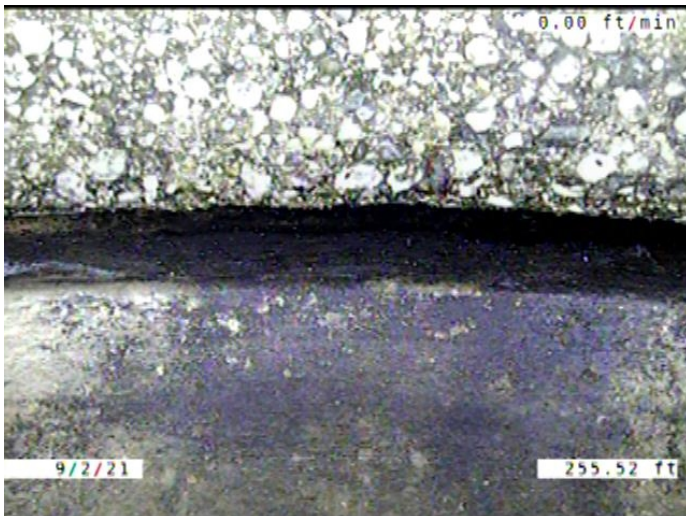
Code: **TB**
Description: **Tap Break-in/Hammer**

Distance (ft): **239.9**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **10**
Clock To:
1st Value: **6.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



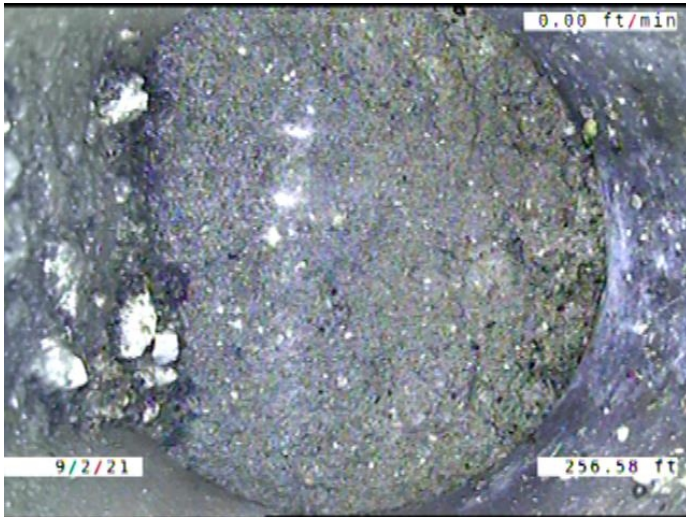
Code: **DAE**
Description: **Deposits Attached Encrustation**

Distance (ft): **246.3**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **4**
Clock To: **8**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



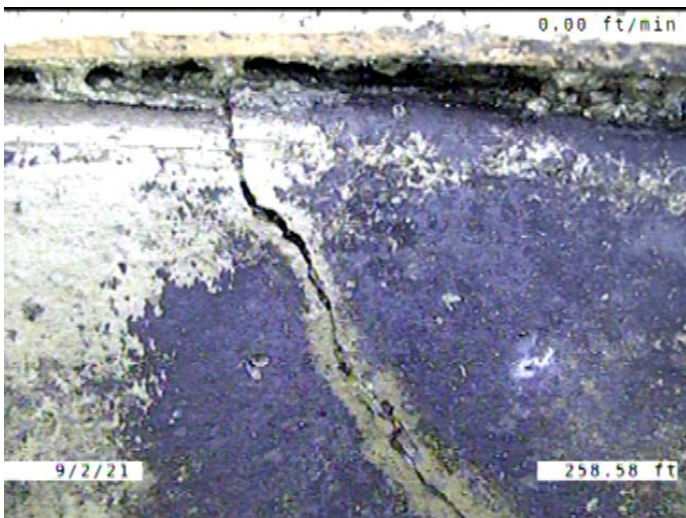
Code: **MMC**
Description: **Miscellaneous Material Change**

Distance (ft): **255.5**
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: **CONCRETE TO VCP**



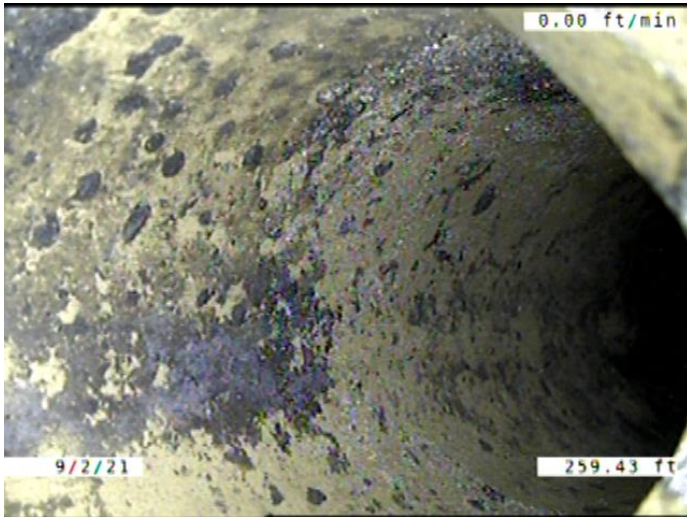
Code: **TFC**
Description: **Tap Factory Capped**

Distance (ft): **256.6**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **9**
Clock To:
1st Value: **6.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



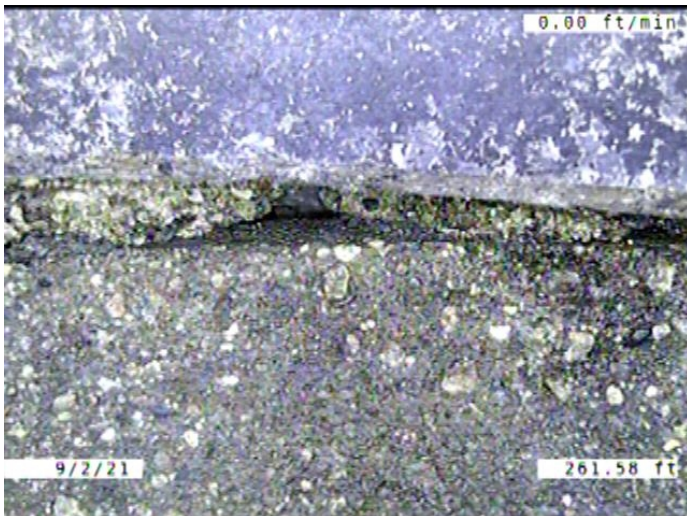
Code: **FM**
Description: **Fracture Multiple**

Distance (ft): **258.6**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **12**
Clock To: **2**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



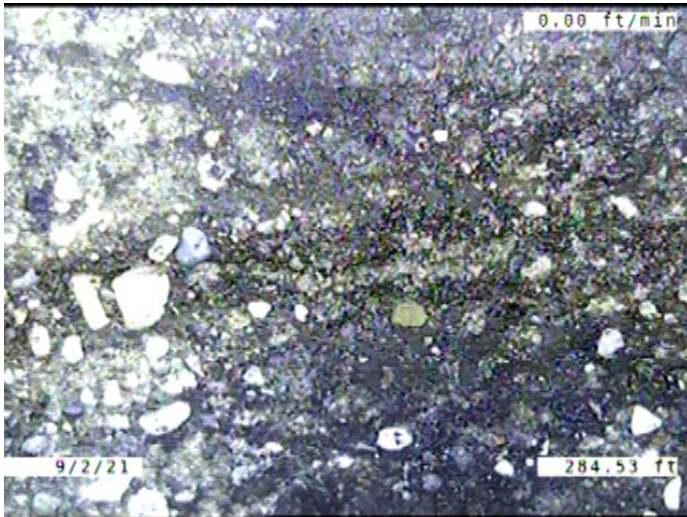
Code: **TFD**
 Description: **Tap Factory Defective**

Distance (ft): **259.4**
 Structural Grade: **0**
 O&M Grade: **3**
 Clock Start/From: **2**
 Clock To:
 1st Value: **6.000**
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks: **Debris**



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

Distance (ft): **261.6**
 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: **VCP TO CONCRETE**



Code: **CC**
Description: **Crack Circumferential**

Distance (ft): **284.5**
Structural Grade: **1**
O&M Grade: **0**
Clock Start/From: **7**
Clock To: **5**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



Code: **DSF**
Description: **Deposits Settled Fine**

Distance (ft): **285.6**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **5**
Clock To: **7**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **F01**
Within 8" of Joint: **YES**
Remarks:



Code:	AMH
Description:	Manhole
Distance (ft):	286.3
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:	M-504-127