

Profile/Photo Observation Report



Date:	02/26/2022	Weather:		Coding:	PACP 7.0
Pipe Length (ft):	258.0	Owner:	City of Hobart	Pre Clean:	Heavy Cleaning
P.O.#:	YES502259	Surveyor:	S. Bucklin	PSR:	P-706-018-019
Customer:	City of Hobart, IN (Red	Clean Date:	02/24/2022	Shape:	C

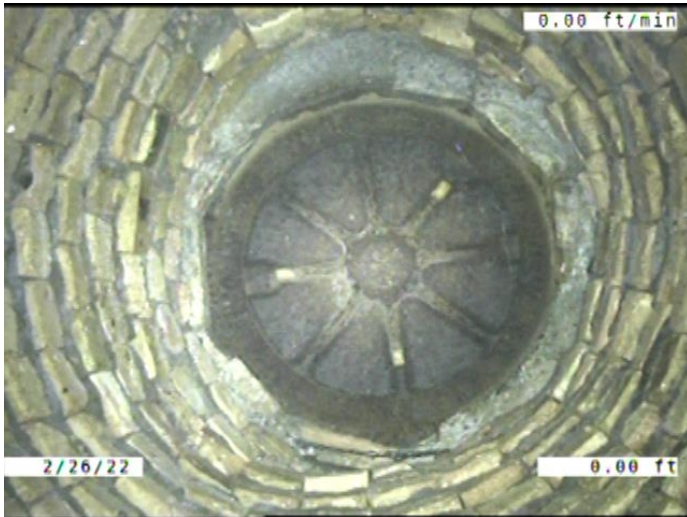
Street:	South Main Street	Flow Control:	Not Controlled
City:	Hobart, IN	Year Renewed:	
Location:	Local rural streets with light traffic, t	Tape/Media #:	
Purpose:	Routine Assessment	Dia/Height:	12"
Use:	Sanitary Sewage Pipe	Material:	VCP
Drain Area:		Lining:	None
Category:	NA		
Comment:			
Location Details:		Direction of Survey:	Downstream
US MH:	M-706-019	DS MH:	M-706-018
		Total Length Surveyed (ft):	259.0

O&M Index:	2.20	O&M Quick:	332A	O&M Rating:	33.00
Structural Index:	3.17	Structural Quick:	544A	Structural Rating:	190.00
Overall Index:	2.97	Overall Quick:	544A	Overall Rating:	223.00

	Position	Code	Observation	Video (sec)	Grade
	.0	AMH	Manhole	1	NA
	.0	MWL	Miscellaneous Water Level	111	NA
	1.3	B	Broken	197	S 4
	9.1	DAR	Deposits Attached Ragging	249	M 2
	9.3	HVV	Hole Void Visible	308	S 5
	9.3	BVV	Broken Void Visible	327	S 5
	35.0	SSS	Surface Damage Surface Spalling	436	S 2
	35.0	B	Broken	470	S 4
	41.5	JAL	Joint Angular Large	519	S 4
	51.3	SSS	Surface Damage Surface Spalling	593	S 2
	51.5	TB	Tap Break-in/Hammer	612	NA
	65.2	FM	Fracture Multiple	728	S 4
	66.3	TFD	Tap Factory Defective	766	M 3
	74.4	CM	Crack Multiple	824	S 3
	79.7	ISGT	Intruding Sealing Material Grout	869	M 2
	88.5	SSS	Surface Damage Surface Spalling	976	S 2
	88.5	TBD	Tap Break-in/Hammer Defective	1000	M 3
	92.2	CM	Crack Multiple	1051	S 3
	92.2	SMW	Surface Damage Missing Wall	1055	S 5

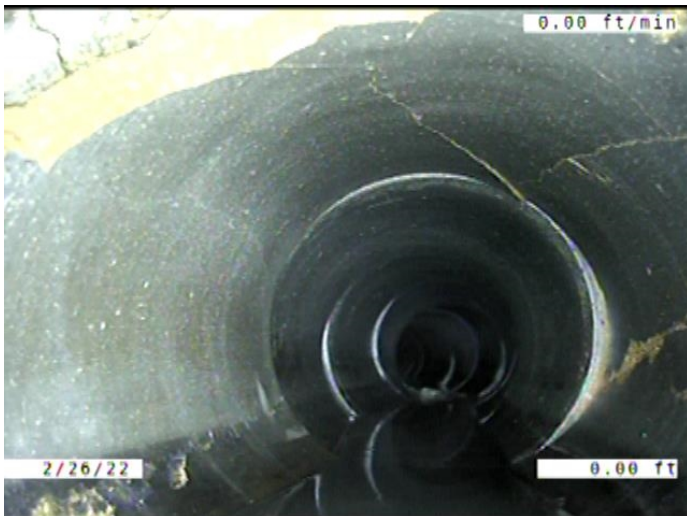
96.6	CM	Crack Multiple	1103	S 3
101.7	SSS	Surface Damage Surface Spalling	1167	S 2
102.7	TBD	Tap Break-in/Hammer Defective	1207	M 3
107.5	CM	Crack Multiple	1263	S 3
109.6	DAR	Deposits Attached Ragging	1299	M 2
128.4	B	Broken	1401	S 4
128.4	JAL	Joint Angular Large	1411	S 4
132.4	CM(S01)	Crack Multiple	1455	S 3
137.5	DAE	Deposits Attached Encrustation	1511	M 2
149.7	FM	Fracture Multiple	1612	S 4
157.4	MWLS	Miscellaneous Water Level Sag	1664	S 2
191.2	SSS	Surface Damage Surface Spalling	1816	S 2
191.5	TB	Tap Break-in/Hammer	1831	NA
199.7	CM	Crack Multiple	1909	S 3
199.7	JAL	Joint Angular Large	1914	S 4
209.0	ISGT	Intruding Sealing Material Grout	1969	M 2
223.9	DSF(S02)	Deposits Settled Fine	2049	M 2
224.6	JAL	Joint Angular Large	2086	S 4
224.6	CM	Crack Multiple	2087	S 3
229.7	SSS	Surface Damage Surface Spalling	2138	S 2
229.9	TB	Tap Break-in/Hammer	2152	NA
233.9	B	Broken	2200	S 4
234.0	MWLS(S03)	Miscellaneous Water Level Sag	2219	S 2
240.1	JSM	Joint Separated Medium	2299	S 3
243.4	FM(S04)	Fracture Multiple	2344	S 4
246.4	CM(F01)	Crack Multiple	2408	S 3
249.5	HVV	Hole Void Visible	2480	S 5
252.9	B	Broken	2551	S 4
256.8	DSF(F02)	Deposits Settled Fine	2587	M 2
256.8	FM(F04)	Fracture Multiple	2595	S 4
256.8	MWLS(F03)	Miscellaneous Water Level Sag	2602	S 2
259.0	AMH	Manhole	2687	NA

M-706-018



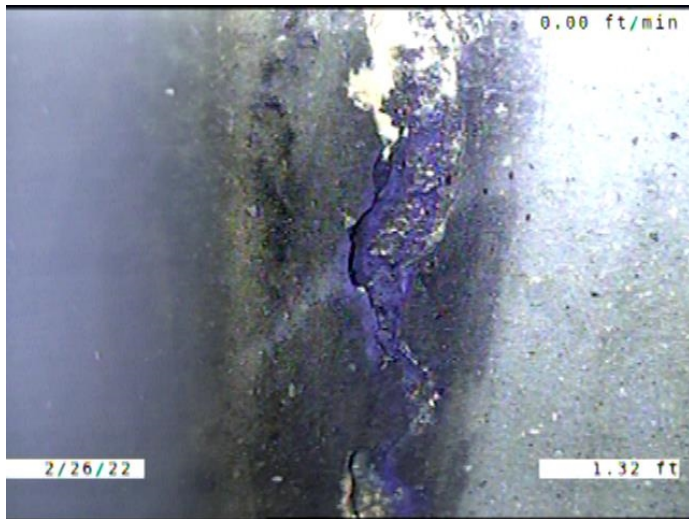
Code: **AMH**
 Description: **Manhole**

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-706-019**



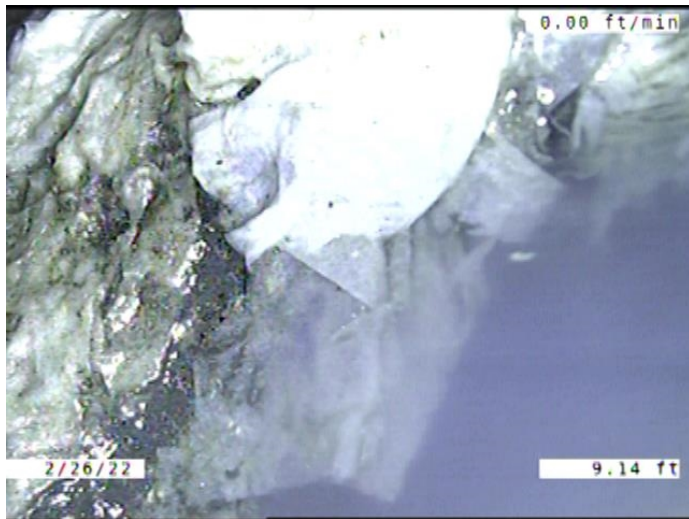
Code: **MWL**
 Description: **Miscellaneous Water Level**

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: **B**
 Description: **Broken**

Distance (ft): **1.3**
 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:



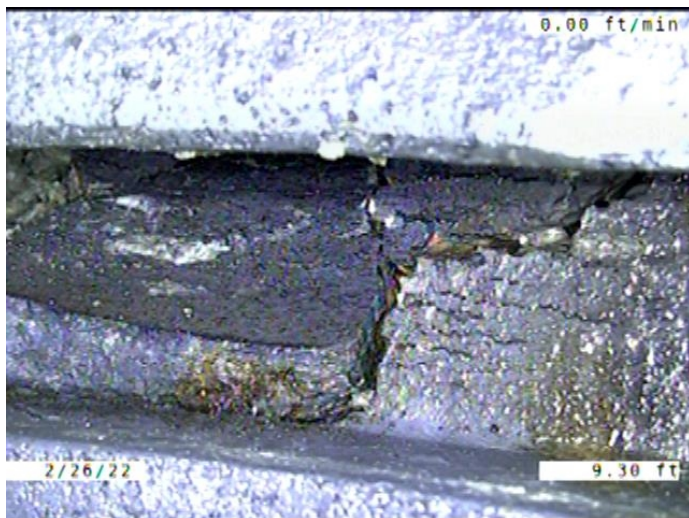
Code: **DAR**
 Description: **Deposits Attached Ragging**

Distance (ft): **9.1**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **7**
 Clock To: **8**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



Code: **HVV**
 Description: **Hole Void Visible**

Distance (ft): **9.3**
 Structural Grade: **5**
 O&M Grade: **0**
 Clock Start/From: **1**
 Clock To: **3**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



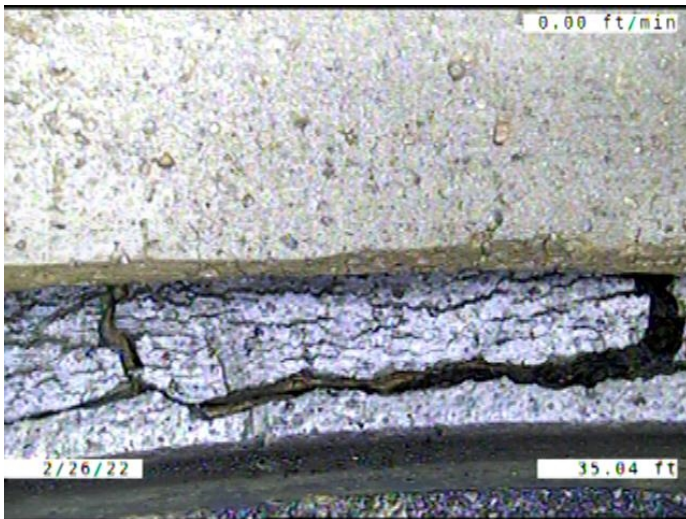
Code: **BVV**
 Description: **Broken Void Visible**

Distance (ft): **9.3**
 Structural Grade: **5**
 O&M Grade: **0**
 Clock Start/From: **3**
 Clock To: **4**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



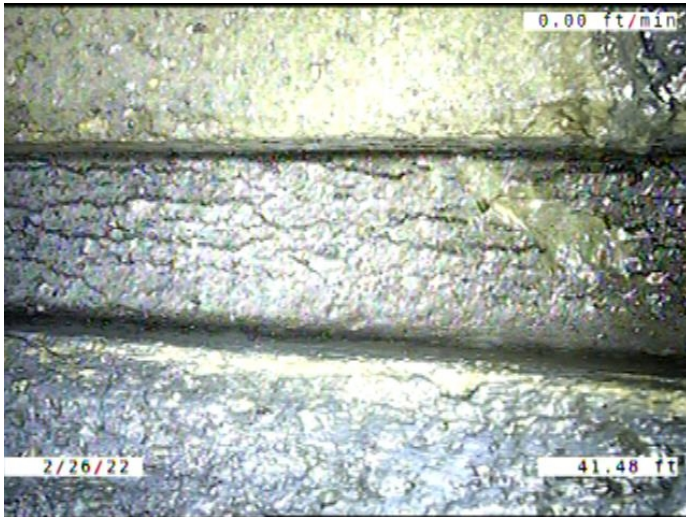
Code: **SSS**
 Description: **Surface Damage Surface Spalling**

Distance (ft): **35.0**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From: **10**
 Clock To:
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



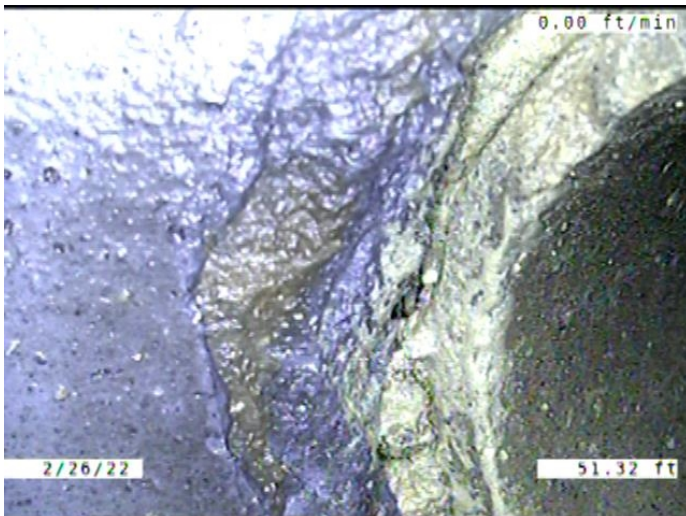
Code: **B**
 Description: **Broken**

Distance (ft): **35.0**
 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:



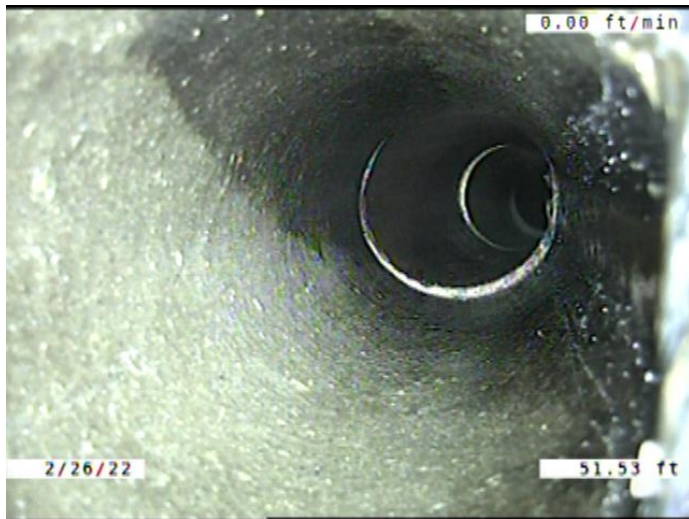
Code: **JAL**
 Description: **Joint Angular Large**

Distance (ft): **41.5**
 Structural Grade: **4**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks:

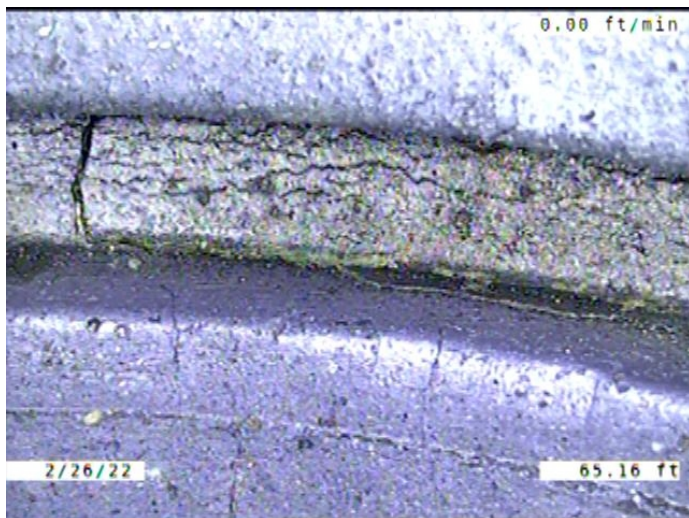


Code: **SSS**
 Description: **Surface Damage Surface Spalling**

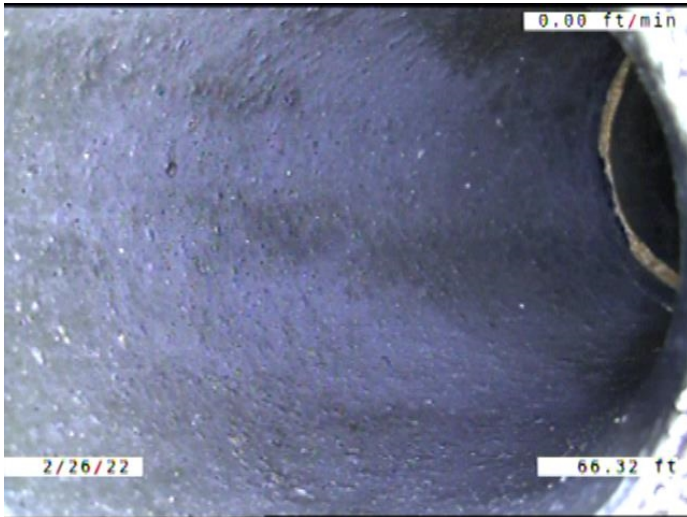
Distance (ft): **51.3**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From: **1**
 Clock To: **4**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



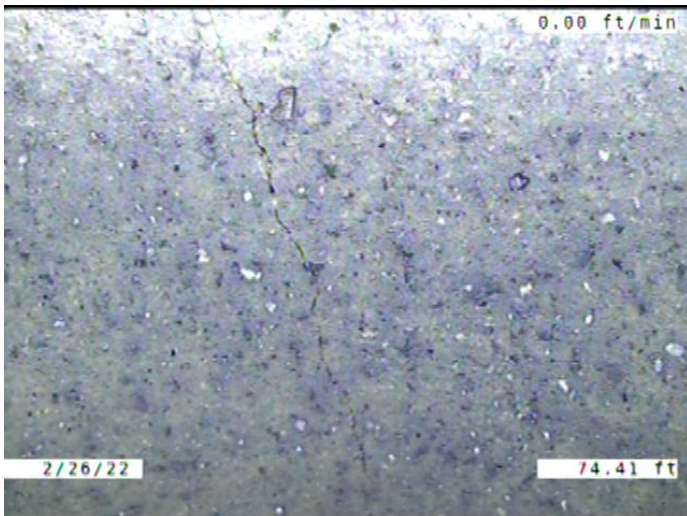
Code:	TB
Description:	Tap Break-in/Hammer
Distance (ft):	51.5
Structural Grade:	0
O&M Grade:	0
Clock Start/From:	3
Clock To:	
1st Value:	6.000
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	CONSTANTLY RUNNING WATER



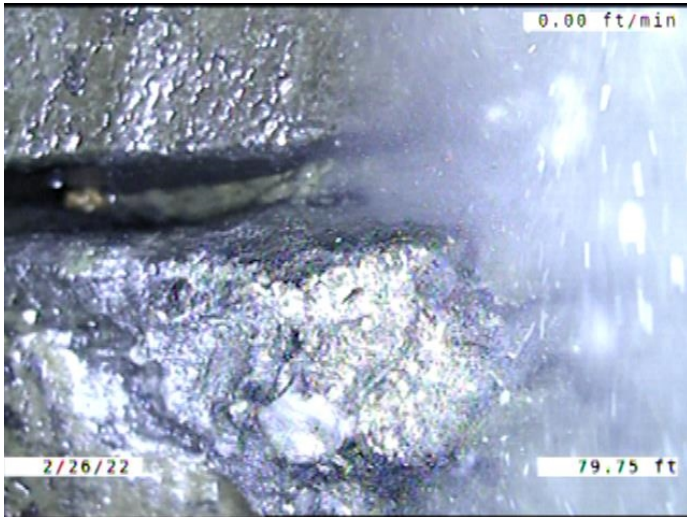
Code:	FM
Description:	Fracture Multiple
Distance (ft):	65.2
Structural Grade:	4
O&M Grade:	0
Clock Start/From:	8
Clock To:	4
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



Code:	TFD
Description:	Tap Factory Defective
Distance (ft):	66.3
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:	SOIL VISIBLE BETWEEN SERVICE AND MAIN CONNECTION



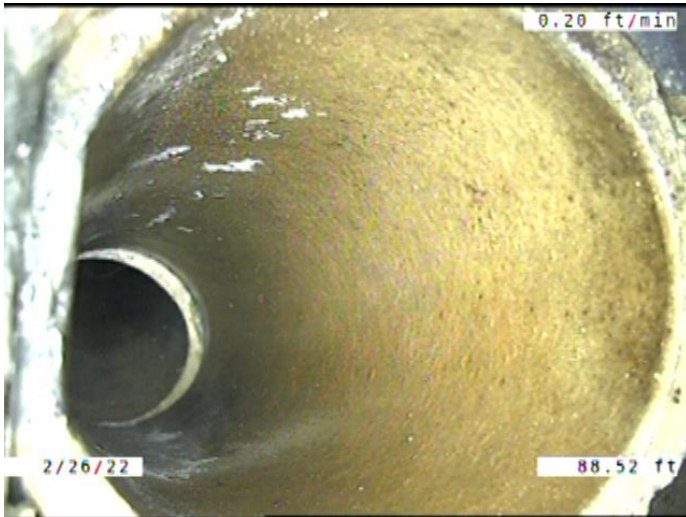
Code:	CM
Description:	Crack Multiple
Distance (ft):	74.4
Structural Grade:	3
O&M Grade:	0
Clock Start/From:	1
Clock To:	2
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



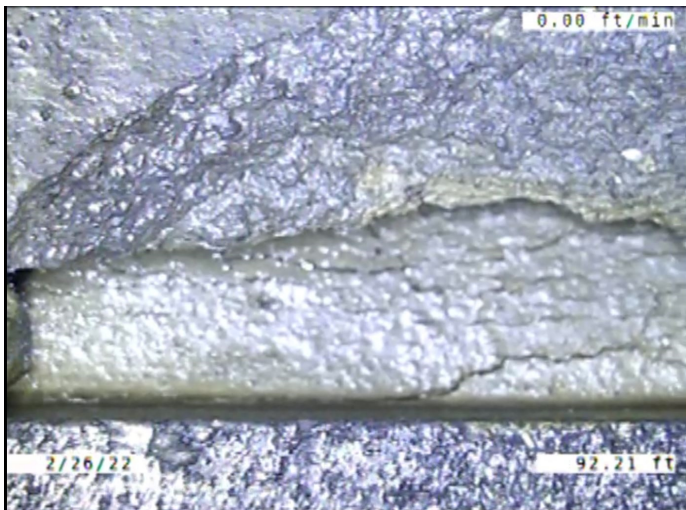
Code:	ISGT
Description:	Intruding Sealing Material Grout
Distance (ft):	79.7
Structural Grade:	0
O&M Grade:	2
Clock Start/From:	7
Clock To:	8
1st Value:	
2nd Value:	
Value Percent:	5.000
Continuous Index:	
Within 8" of Joint:	NO
Remarks:	



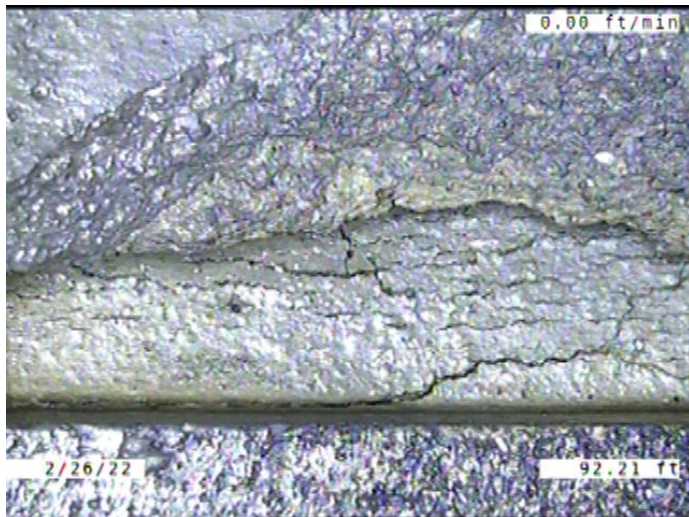
Code:	SSS
Description:	Surface Damage Surface Spalling
Distance (ft):	88.5
Structural Grade:	2
O&M Grade:	0
Clock Start/From:	9
Clock To:	12
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



Code:	TBD
Description:	Tap Break-in/Hammer Defective
Distance (ft):	88.5
Structural Grade:	0
O&M Grade:	3
Clock Start/From:	10
Clock To:	
1st Value:	6.000
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	BVV in tap

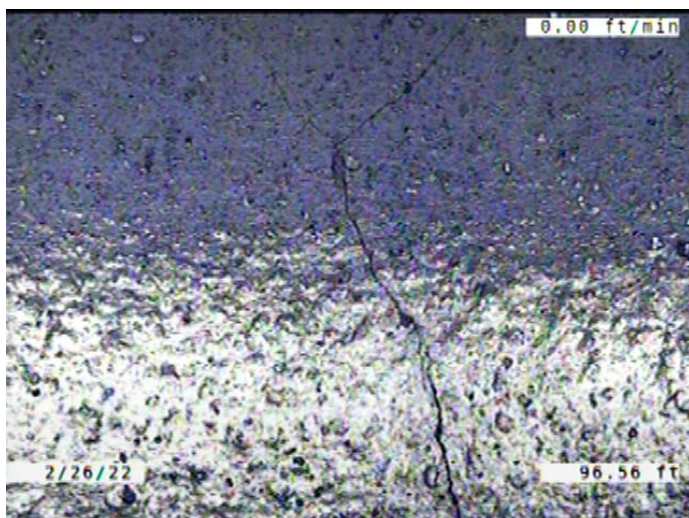


Code:	CM
Description:	Crack Multiple
Distance (ft):	92.2
Structural Grade:	3
O&M Grade:	0
Clock Start/From:	9
Clock To:	10
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



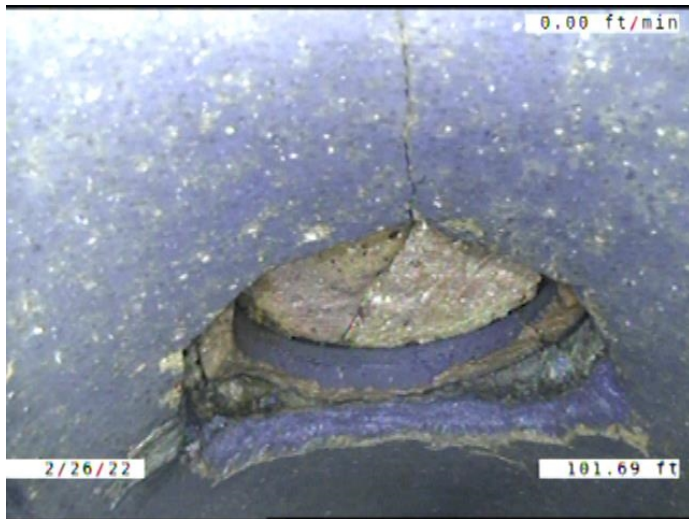
Code: **SMW**
 Description: **Surface Damage Missing Wall**

Distance (ft): **92.2**
 Structural Grade: **5**
 O&M Grade: **0**
 Clock Start/From: **9**
 Clock To: **12**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



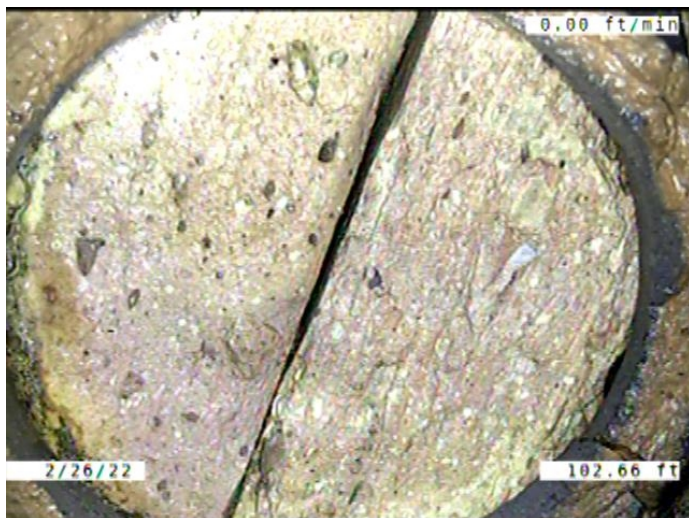
Code: **CM**
 Description: **Crack Multiple**

Distance (ft): **96.6**
 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:



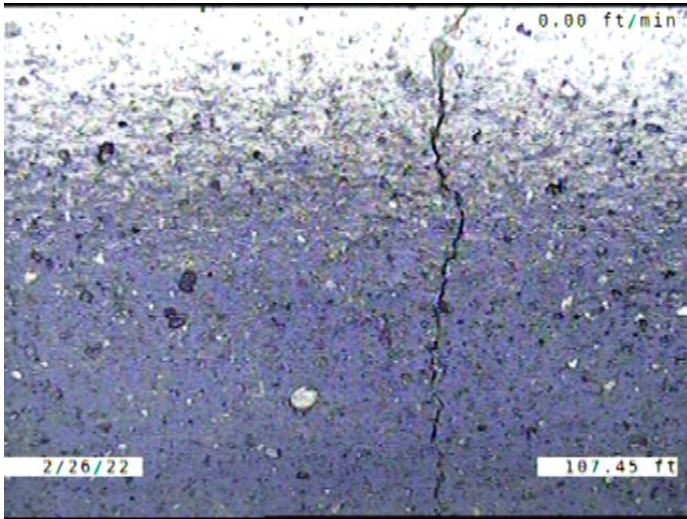
Code: **SSS**
 Description: **Surface Damage Surface Spalling**

Distance (ft): **101.7**
 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:



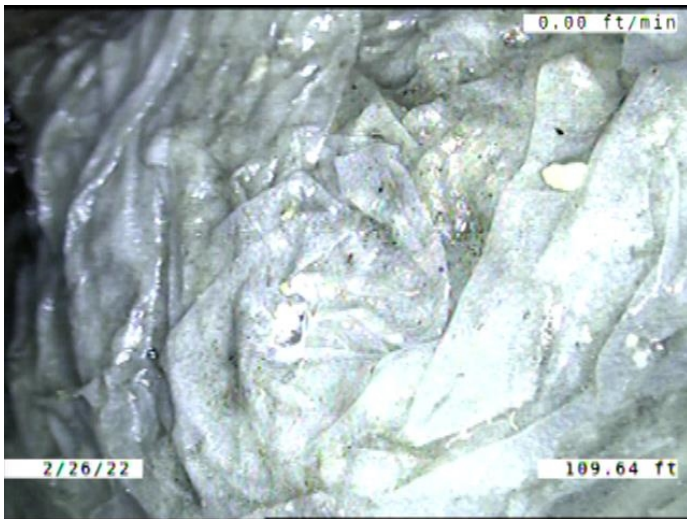
Code: **TBD**
 Description: **Tap Break-in/Hammer Defective**

Distance (ft): **102.7**
 Structural Grade: **0**
 O&M Grade: **3**
 Clock Start/From: **11**
 Clock To:
 1st Value: **6.000**
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks: **BRICKED OFF**



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

Distance (ft): **107.5**
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:



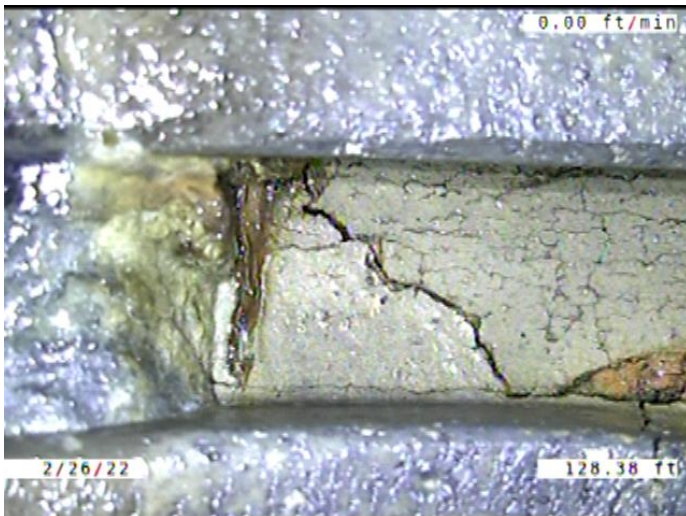
Code: **DAR**
Description: **Deposits Attached Ragging**

Distance (ft): **109.6**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **7**
Clock To: **8**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index:
Within 8" of Joint: **YES**
Remarks: **TP ALSO**



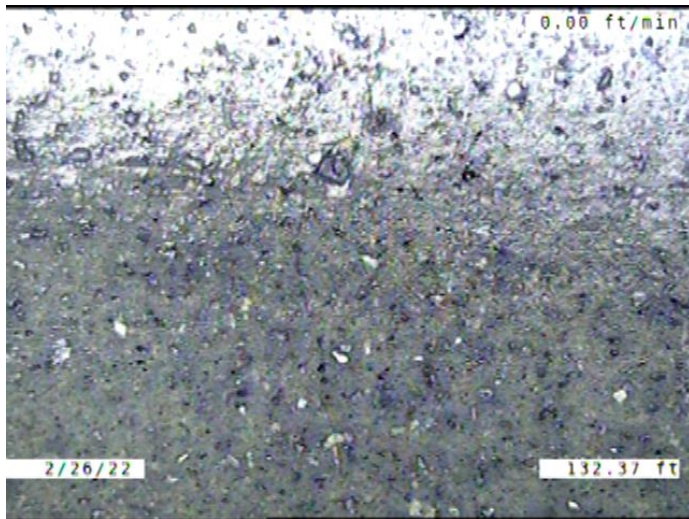
Code: **B**
Description: **Broken**

Distance (ft): **128.4**
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:



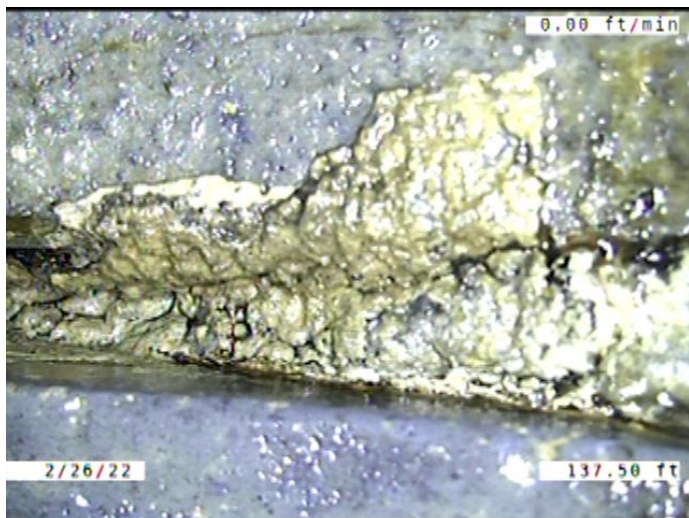
Code: **JAL**
Description: **Joint Angular Large**

Distance (ft): **128.4**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



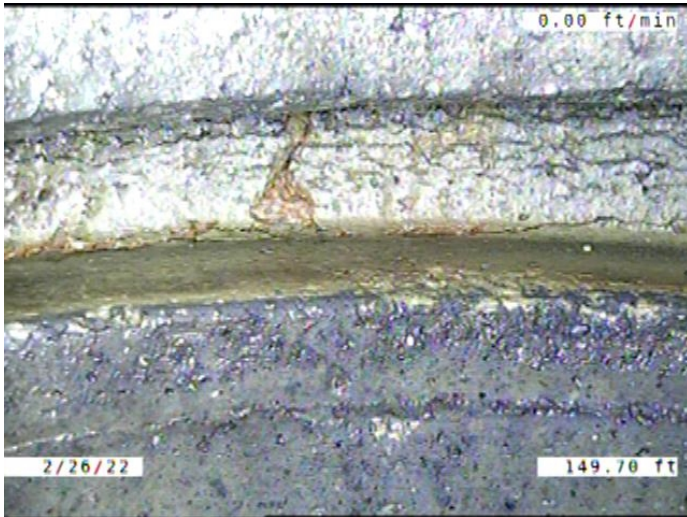
Code: **CM**
 Description: **Crack Multiple**

Distance (ft): **132.4**
 Structural Grade: **3**
 O&M Grade: **0**
 Clock Start/From: **11**
 Clock To: **1**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index: **S01**
 Within 8" of Joint: **YES**
 Remarks:



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

Distance (ft): **137.5**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **12**
 Clock To: **5**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



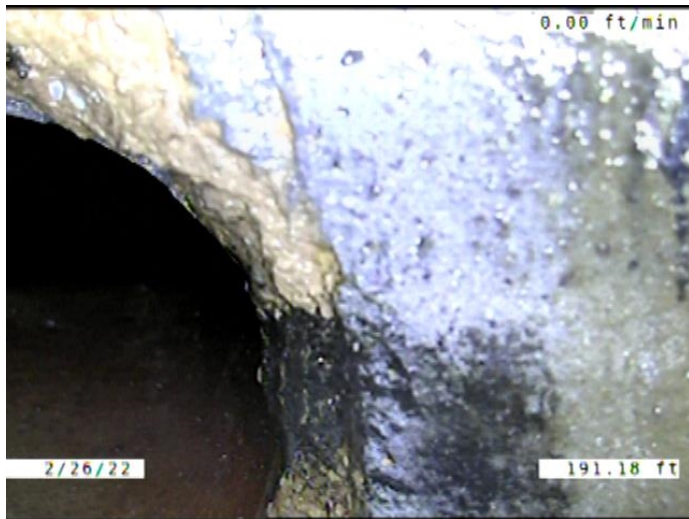
Code: **FM**
 Description: **Fracture Multiple**

Distance (ft): **149.7**
 Structural Grade: **4**
 O&M Grade: **0**
 Clock Start/From: **9**
 Clock To: **3**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:

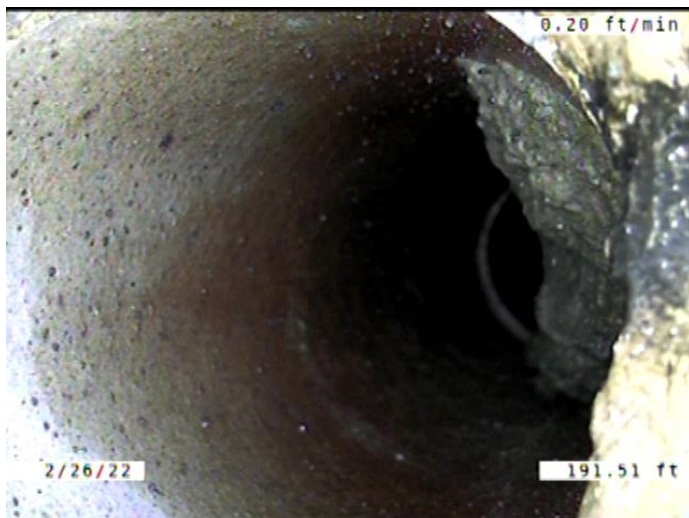


Code: **MWLS**
 Description: **Miscellaneous Water Level Sag**

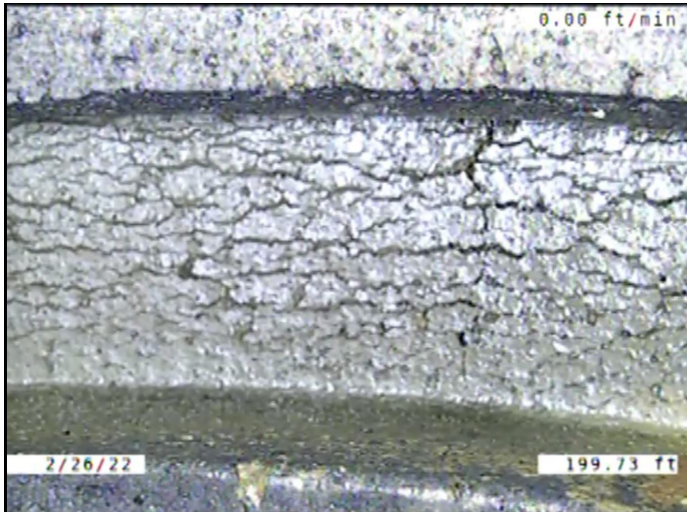
Distance (ft): **157.4**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **15.000**
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks:



Code:	SSS
Description:	Surface Damage Surface Spalling
Distance (ft):	191.2
Structural Grade:	2
O&M Grade:	0
Clock Start/From:	1
Clock To:	3
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	

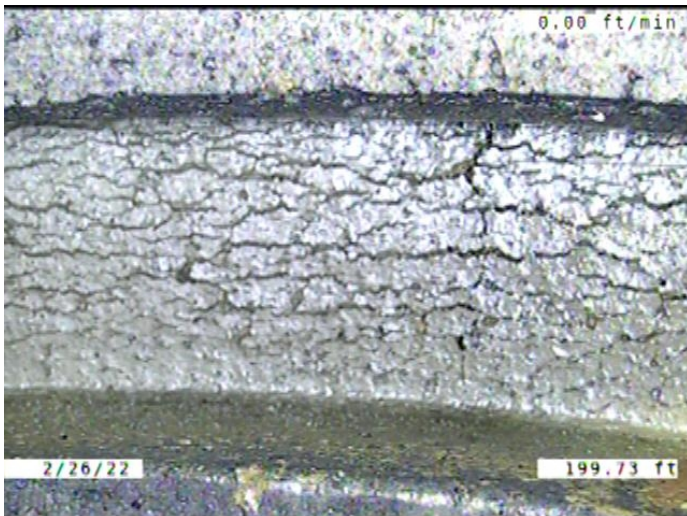


Code:	TB
Description:	Tap Break-in/Hammer
Distance (ft):	191.5
Structural Grade:	0
O&M Grade:	0
Clock Start/From:	2
Clock To:	
1st Value:	6.000
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



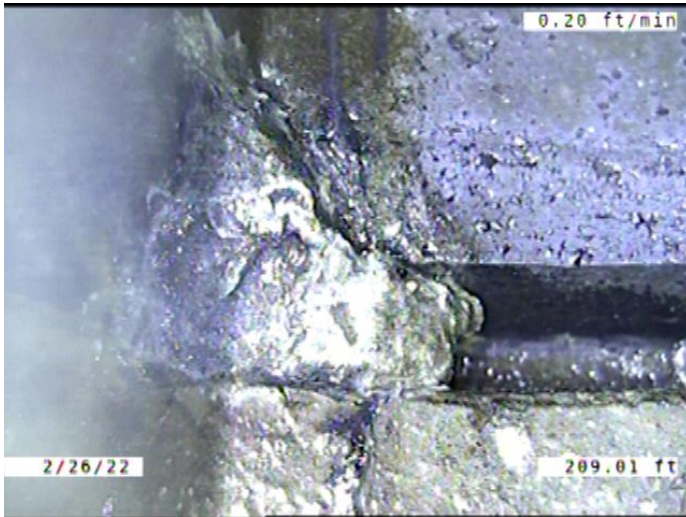
Code: **CM**
 Description: **Crack Multiple**

Distance (ft): **199.7**
 Structural Grade: **3**
 O&M Grade: **0**
 Clock Start/From: **10**
 Clock To: **4**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



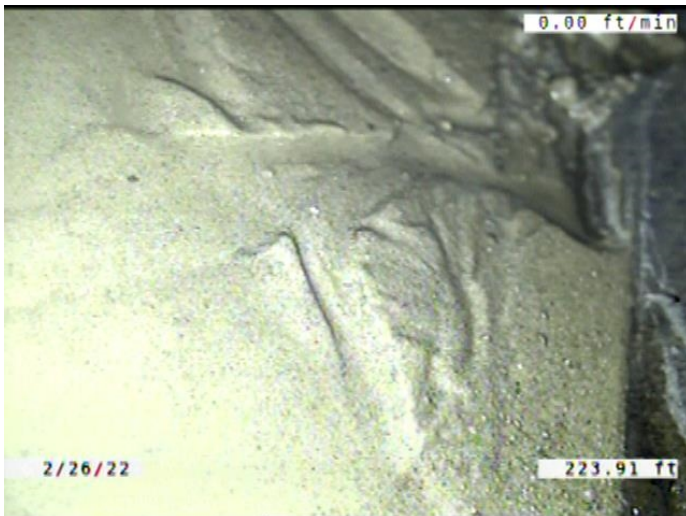
Code: **JAL**
 Description: **Joint Angular Large**

Distance (ft): **199.7**
 Structural Grade: **4**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks:



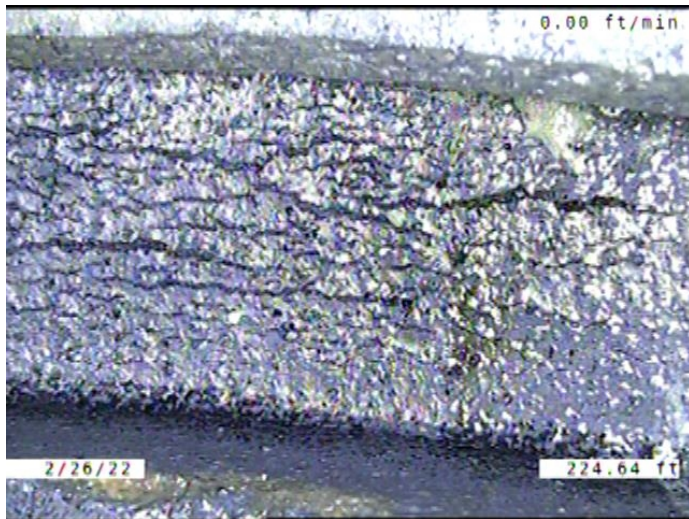
Code: **ISGT**
 Description: **Intruding Sealing Material Grout**

Distance (ft): **209.0**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **4**
 Clock To: **5**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks:



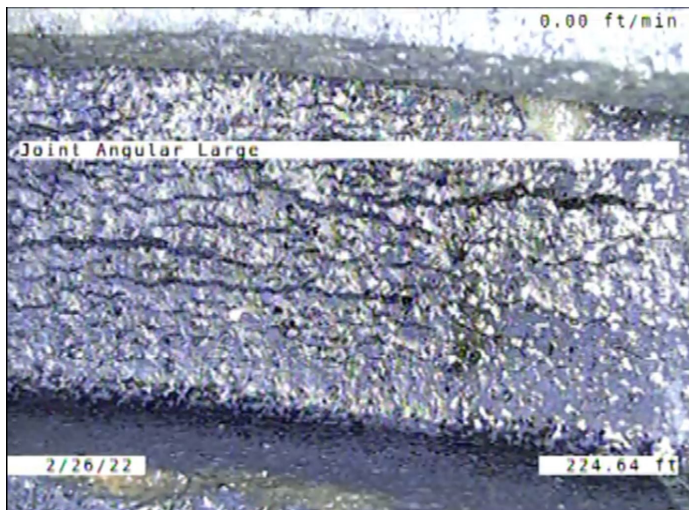
Code: **DSF**
 Description: **Deposits Settled Fine**

Distance (ft): **223.9**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **4**
 Clock To: **7**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index: **S02**
 Within 8" of Joint: **YES**
 Remarks:



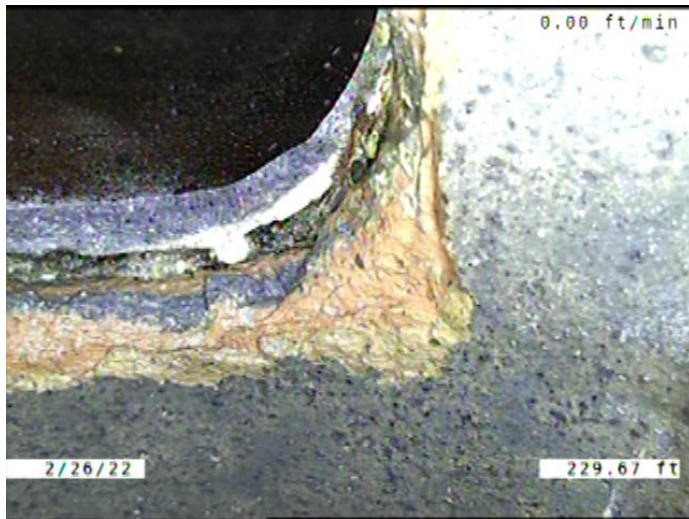
Code: **JAL**
 Description: **Joint Angular Large**

Distance (ft): **224.6**
 Structural Grade: **4**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks:



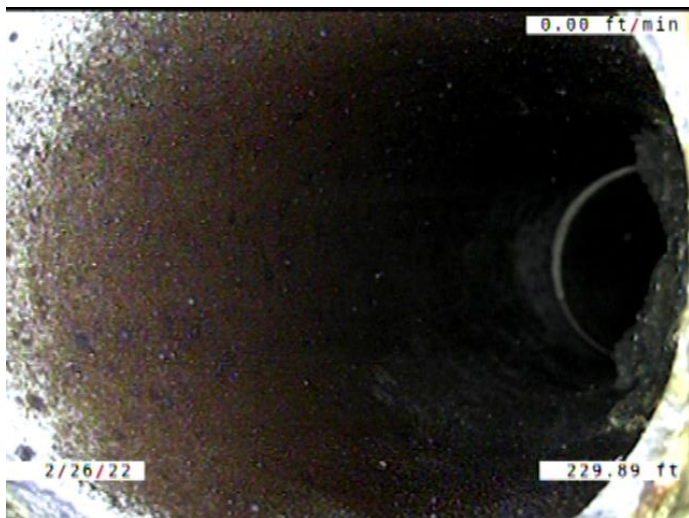
Code: **CM**
 Description: **Crack Multiple**

Distance (ft): **224.6**
 Structural Grade: **3**
 O&M Grade: **0**
 Clock Start/From: **10**
 Clock To: **4**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



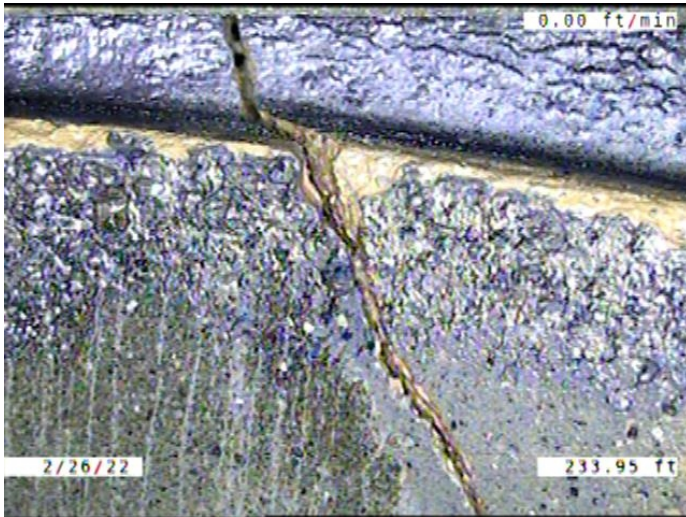
Code: **SSS**
 Description: **Surface Damage Surface Spalling**

Distance (ft): **229.7**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From: **1**
 Clock To: **3**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks:



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

Distance (ft): **229.9**
 Structural Grade: **0**
 O&M Grade: **0**
 Clock Start/From: **2**
 Clock To:
 1st Value: **6.000**
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks:



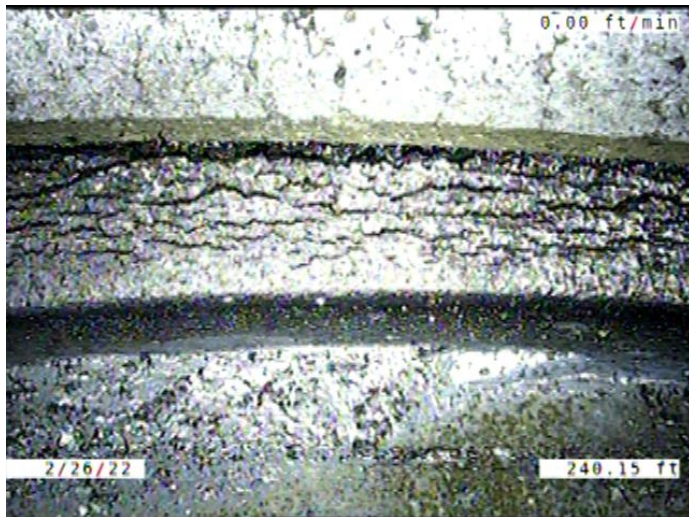
Code: **B**
 Description: **Broken**

Distance (ft): **233.9**
 Structural Grade: **4**
 O&M Grade: **0**
 Clock Start/From: **1**
 Clock To: **4**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



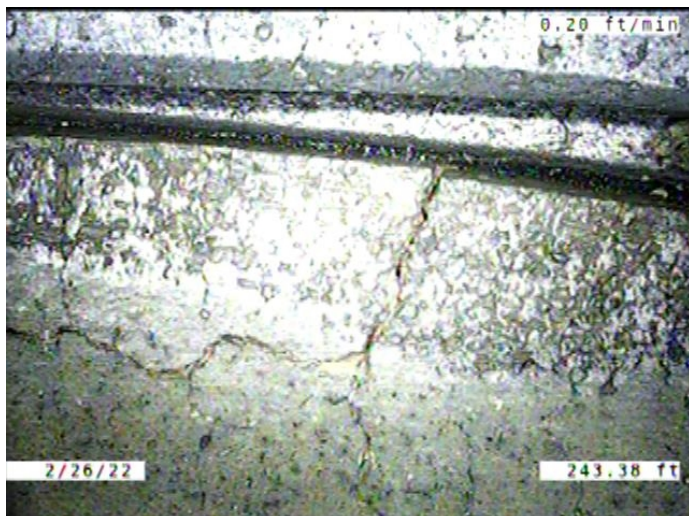
Code: **MWLS**
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **234.0**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **25.000**
 Continuous Index: **S03**
 Within 8" of Joint: **NO**
 Remarks:



Code: **JSM**
 Description: **Joint Separated Medium**

Distance (ft): **240.1**
 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: **FM**
 Description: **Fracture Multiple**

Distance (ft): **243.4**
 Structural Grade: **4**
 O&M Grade: **0**
 Clock Start/From: **10**
 Clock To: **1**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index: **S04**
 Within 8" of Joint: **YES**
 Remarks:



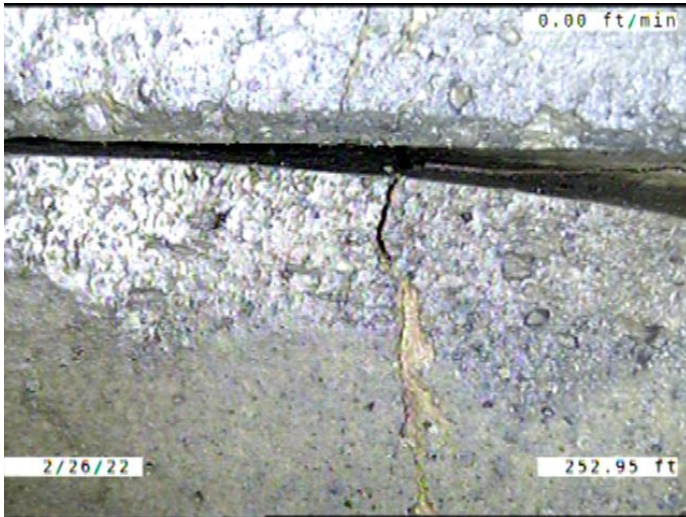
Code: **CM**
Description: **Crack Multiple**

Distance (ft): **246.4**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From: **11**
Clock To: **1**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **F01**
Within 8" of Joint: **YES**
Remarks:



Code: **HVV**
Description: **Hole Void Visible**

Distance (ft): **249.5**
Structural Grade: **5**
O&M Grade: **0**
Clock Start/From: **10**
Clock To: **2**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



Code: **B**
Description: **Broken**

Distance (ft): **252.9**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **9**
Clock To: **3**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



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

Distance (ft): **256.8**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **4**
Clock To: **7**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **F02**
Within 8" of Joint: **YES**
Remarks:



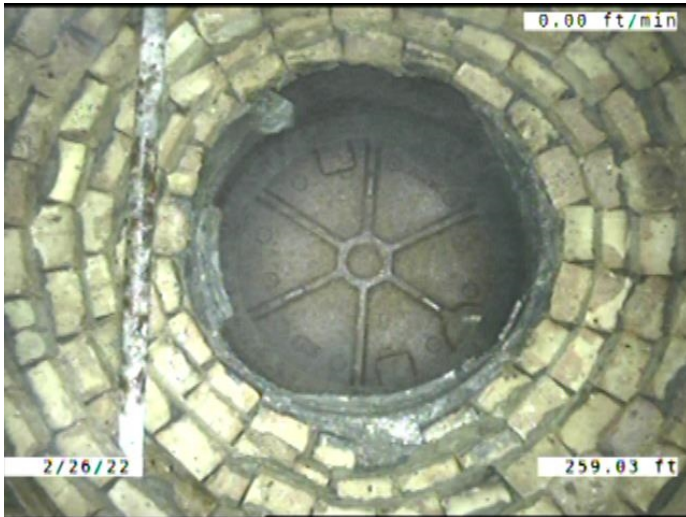
Code: **FM**
 Description: **Fracture Multiple**

Distance (ft): **256.8**
 Structural Grade: **4**
 O&M Grade: **0**
 Clock Start/From: **10**
 Clock To: **1**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index: **F04**
 Within 8" of Joint: **YES**
 Remarks:



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

Distance (ft): **256.8**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **25.000**
 Continuous Index: **F03**
 Within 8" of Joint: **NO**
 Remarks:



Code:	AMH
Description:	Manhole
Distance (ft):	259.0
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-706-018