

Profile/Photo Observation Report

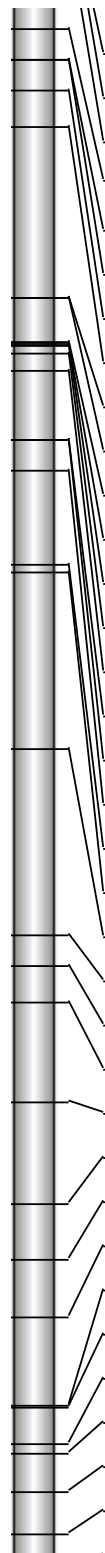


Date:	02/19/2024	Weather:		Coding:	PACP 7.0
Pipe Length (ft):	249.0	Owner:	City of Hobart	Pre Clean:	Heavy Cleaning
P.O.#:	YES502259	Surveyor:	S. Bucklin	PSR:	P-606-082-081
Customer:	City of Hobart	Clean Date:	11/20/2022	Shape:	C

Street:	S WASHINGTON ST	Flow Control:	Not Controlled
City:	Hobart, IN	Year Renewed:	
Location:	Easement/Right of Way	Tape/Media #:	
Purpose:	Sewer System Evaluation Survey (SS)	Dia/Height:	10"
Use:	Sanitary Sewage Pipe	Material:	VCP
Drain Area:		Lining:	None
Category:	NA		
Comment:			
Location Details:		Direction of Survey:	Downstream
US MH:	M-606-081	DS MH:	M-606-082
		Total Length Surveyed (ft):	247.1

O&M Index:	2.10	O&M Quick:	4238	O&M Rating:	132.00
Structural Index:	2.31	Structural Quick:	5141	Structural Rating:	74.00
Overall Index:	2.17	Overall Quick:	5143	Overall Rating:	206.00

	Position	Code	Observation	Video (sec)	Grade
	.0	AMH	Manhole	0	NA
	.0	MWL	Miscellaneous Water Level	88	NA
	.4	CM	Crack Multiple	140	S 3
	1.0	DAE	Deposits Attached Encrustation	170	M 2
	1.9	MWLS(S01)	Miscellaneous Water Level Sag	200	S 2
	3.8	TFD	Tap Factory Defective	253	M 3
	7.9	MWLS(F01)	Miscellaneous Water Level Sag	291	S 2
	12.4	MWLS(S02)	Miscellaneous Water Level Sag	315	S 2
	21.1	DAE(S03)	Deposits Attached Encrustation	408	M 2
	25.4	JAM	Joint Angular Medium	485	S 3
	25.4	IRJ	Infiltration Runner Joint	502	M 4
	30.1	RFC	Roots Fine Connection	547	M 1
	30.4	TFD	Tap Factory Defective	567	M 3
	30.4	MWLS(F02)	Miscellaneous Water Level Sag	581	S 2
	31.4	RFJ	Roots Fine Joint	620	M 1
	47.9	B	Broken	729	S 4
	48.6	TFD	Tap Factory Defective	766	M 3
	61.5	MWLS(S04)	Miscellaneous Water Level Sag	840	S 2
	66.1	JOMD	Joint Offset Medium Defective	887	S 3



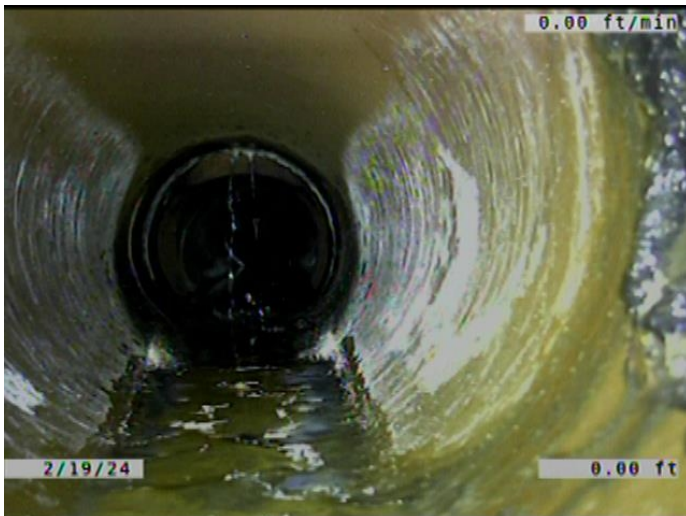
74.6	RFC	Roots Fine Connection	968	M 1
74.9	TFD	Tap Factory Defective	992	M 3
79.0	MWLS(F04)	Miscellaneous Water Level Sag	1026	S 2
89.4	MWLS(S05)	Miscellaneous Water Level Sag	1073	S 2
91.9	CL	Crack Longitudinal	1098	S 2
91.9	RFJ	Roots Fine Joint	1119	M 1
95.1	MWLS(F05)	Miscellaneous Water Level Sag	1144	S 2
98.8	MWLS(S06)	Miscellaneous Water Level Sag	1166	S 2
116.6	IRJ	Infiltration Runner Joint	1256	M 4
116.6	JOMD	Joint Offset Medium Defective	1292	S 3
121.1	RFC	Roots Fine Connection	1350	M 1
121.3	TFD	Tap Factory Defective	1367	M 3
121.5	MWLS(F06)	Miscellaneous Water Level Sag	1388	S 2
122.3	JAM	Joint Angular Medium	1423	S 3
124.2	MWLS(S07)	Miscellaneous Water Level Sag	1447	S 2
131.4	TFD	Tap Factory Defective	1540	M 3
131.4	MWLS(F07)	Miscellaneous Water Level Sag	1554	S 2
134.4	SSS	Surface Damage Surface Spalling	1580	S 2
144.3	IWJ	Infiltration Weeper Joint	1669	M 2
145.0	MWLS(S08)	Miscellaneous Water Level Sag	1687	S 2
163.4	MWLS(F08)	Miscellaneous Water Level Sag	1791	S 2
182.7	MWLS(S09)	Miscellaneous Water Level Sag	1905	S 2
185.9	TFD	Tap Factory Defective	1988	M 3
189.7	MWLS(F09)	Miscellaneous Water Level Sag	2025	S 2
200.0	TFD	Tap Factory Defective	2084	M 3
210.5	MWLS(S10)	Miscellaneous Water Level Sag	2147	S 2
216.3	MWLS(F10)	Miscellaneous Water Level Sag	2177	S 2
222.2	TF	Tap Factory	2226	NA
231.4	RFJ	Roots Fine Joint	2314	M 1
231.5	MWLS(S11)	Miscellaneous Water Level Sag	2331	S 2
235.3	BVV	Broken Void Visible	2398	S 5
236.3	MWLS(F11)	Miscellaneous Water Level Sag	2420	S 2
240.4	TFC	Tap Factory Capped	2456	NA
244.7	DAE(F03)	Deposits Attached Encrustation	2490	M 2
247.1	AMH	Manhole	2607	NA

M-606-082



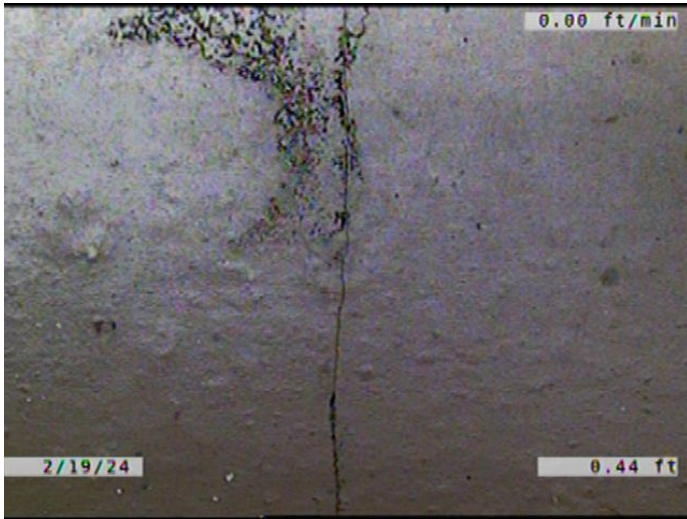
Code: **AMH**
Description: **Manhole**

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-606-081**



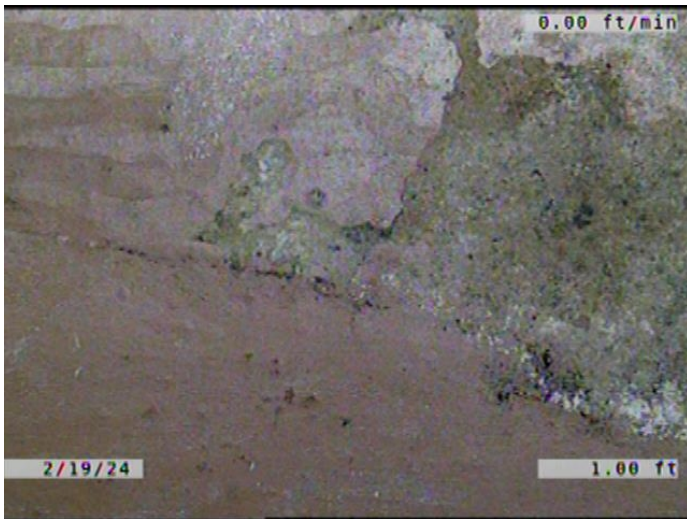
Code: **MWL**
Description: **Miscellaneous Water Level**

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:



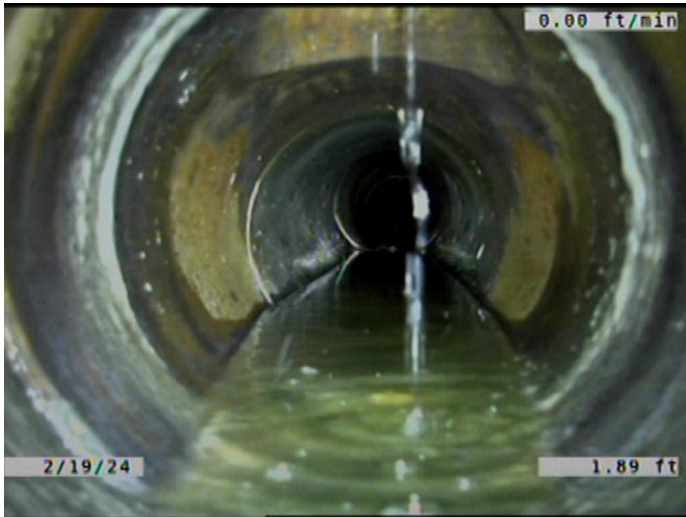
Code: **CM**
Description: **Crack Multiple**

Distance (ft): **.4**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From: **12**
Clock To: **5**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



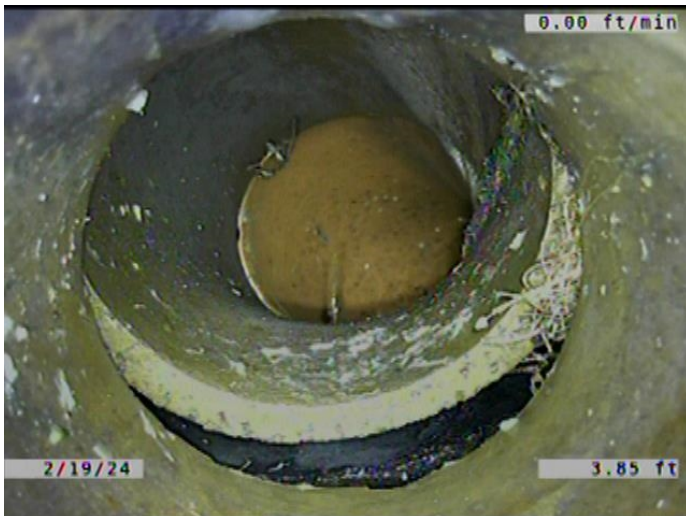
Code: **DAE**
Description: **Deposits Attached Encrustation**

Distance (ft): **1.0**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **2**
Clock To: **5**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



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

Distance (ft): **1.9**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **10.000**
Continuous Index: **S01**
Within 8" of Joint: **NO**
Remarks:



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

Distance (ft): **3.8**
Structural Grade: **0**
O&M Grade: **3**
Clock Start/From: **12**
Clock To:
1st Value: **6.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks: **SERVICE LARGE OFFSET. ROOTS GROWING IN THE SERVICE TO MAIN**



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

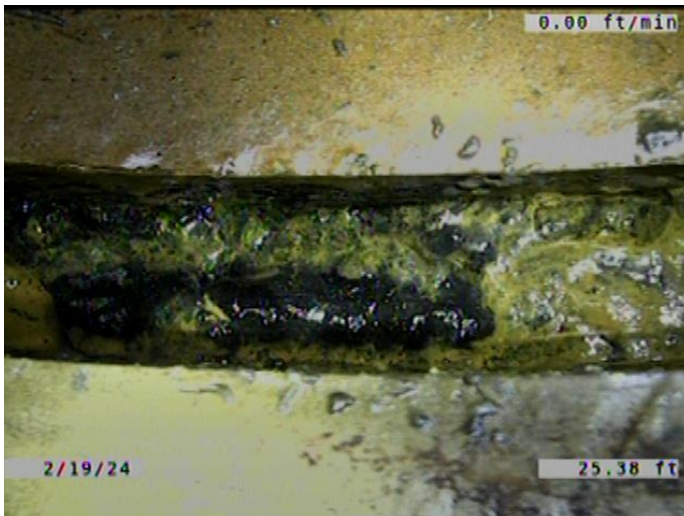
Distance (ft): **7.9**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **10.000**
Continuous Index: **F01**
Within 8" of Joint: **NO**
Remarks:



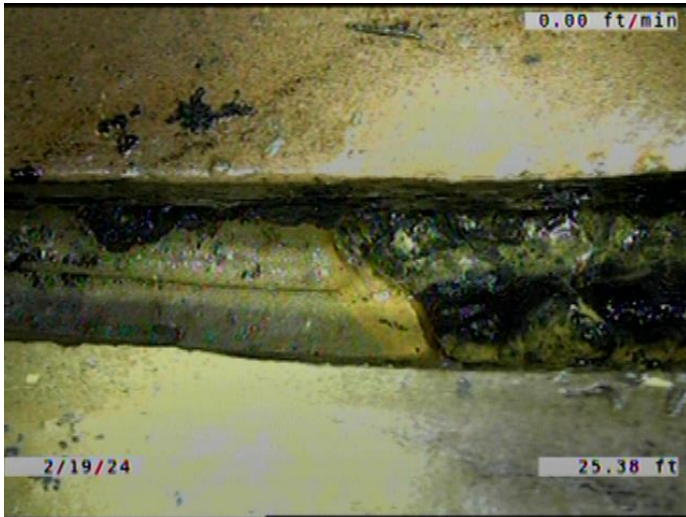
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **12.4**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **10.000**
Continuous Index: **S02**
Within 8" of Joint: **NO**
Remarks:

Code:	DAE
Description:	Deposits Attached Encrustation
Distance (ft):	21.1
Structural Grade:	0
O&M Grade:	2
Clock Start/From:	7
Clock To:	5
1st Value:	
2nd Value:	
Value Percent:	5.000
Continuous Index:	S03
Within 8" of Joint:	YES
Remarks:	

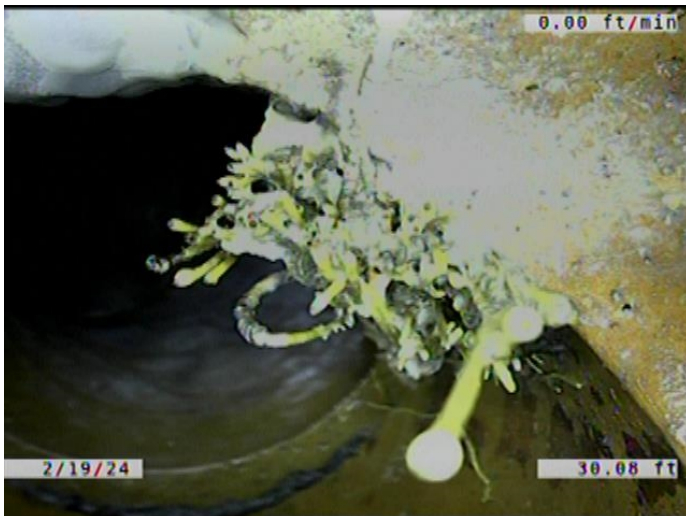


Code:	JAM
Description:	Joint Angular Medium
Distance (ft):	25.4
Structural Grade:	3
O&M Grade:	0
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	NO
Remarks:	



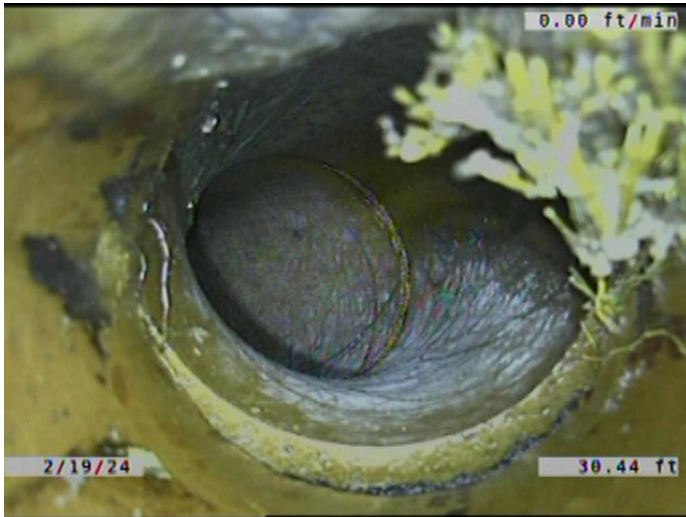
Code: **IRJ**
 Description: **Infiltration Runner Joint**

Distance (ft): **25.4**
 Structural Grade: **0**
 O&M Grade: **4**
 Clock Start/From: **3**
 Clock To:
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:

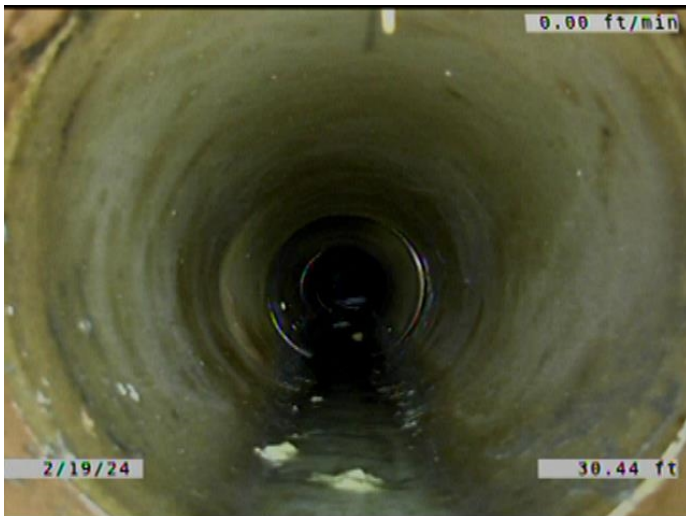


Code: **RFC**
 Description: **Roots Fine Connection**

Distance (ft): **30.1**
 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: **NO**
 Remarks:



Code:	TFD
Description:	Tap Factory Defective
Distance (ft):	30.4
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:	YES
Remarks:	SERVICE OFFSET. ROOTS GROWING IN THE SERVICE TO MAIN CONNECTI

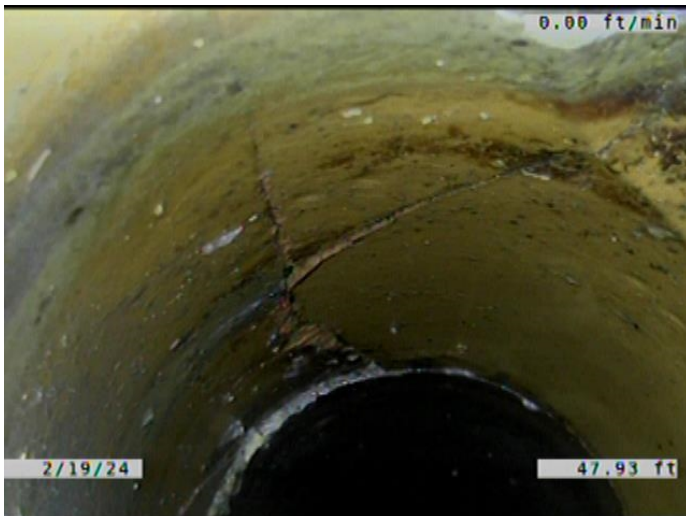


Code:	MWLS
Description:	Miscellaneous Water Level Sag
Distance (ft):	30.4
Structural Grade:	2
O&M Grade:	0
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	10.000
Continuous Index:	F02
Within 8" of Joint:	NO
Remarks:	



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

Distance (ft): **31.4**
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:



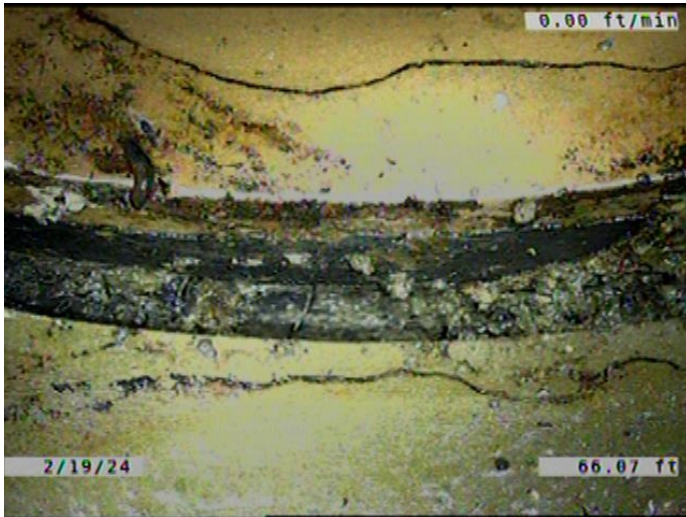
Code: **B**
Description: **Broken**

Distance (ft): **47.9**
Structural Grade: **4**
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:	TFD
Description:	Tap Factory Defective
Distance (ft):	48.6
Structural Grade:	0
O&M Grade:	3
Clock Start/From:	12
Clock To:	
1st Value:	6.000
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	MULTIPLE LARGE OFFWSETS IN THE SERVICE. TAP BROKEN. CONSTANTLY



Code:	MWLS
Description:	Miscellaneous Water Level Sag
Distance (ft):	61.5
Structural Grade:	2
O&M Grade:	0
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	15.000
Continuous Index:	S04
Within 8" of Joint:	NO
Remarks:	



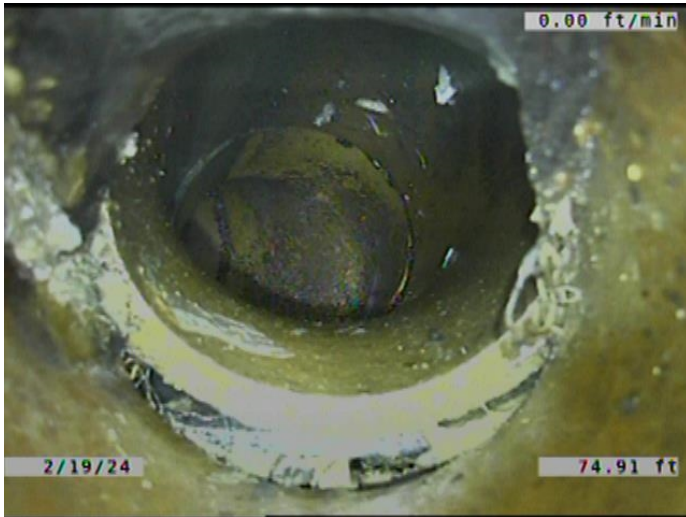
Code: **JOMD**
Description: **Joint Offset Medium Defective**

Distance (ft): **66.1**
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:



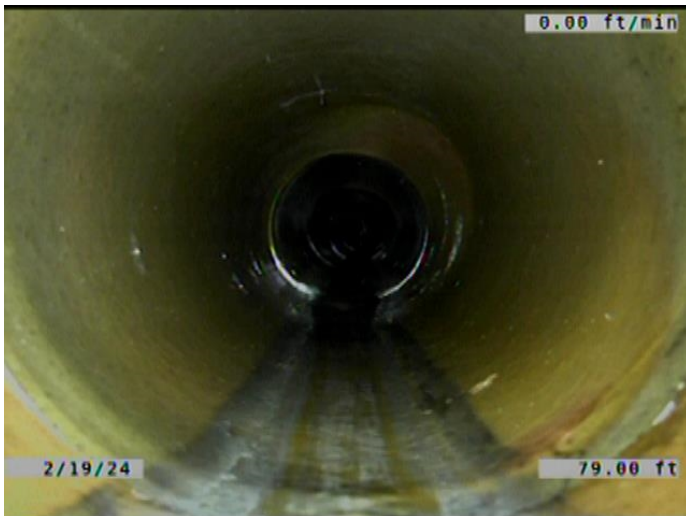
Code: **RFC**
Description: **Roots Fine Connection**

Distance (ft): **74.6**
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: **NO**
Remarks:



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

Distance (ft): **74.9**
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: **YES**
Remarks: **SERVICE LARGE OFFSET. SOIL VISBLE. CONSTANTLY RUNNING WATER.**



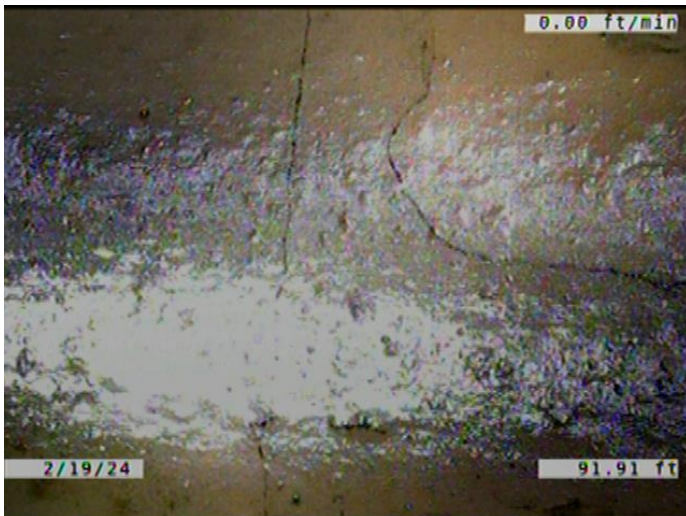
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **79.0**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **15.000**
Continuous Index: **F04**
Within 8" of Joint: **NO**
Remarks:



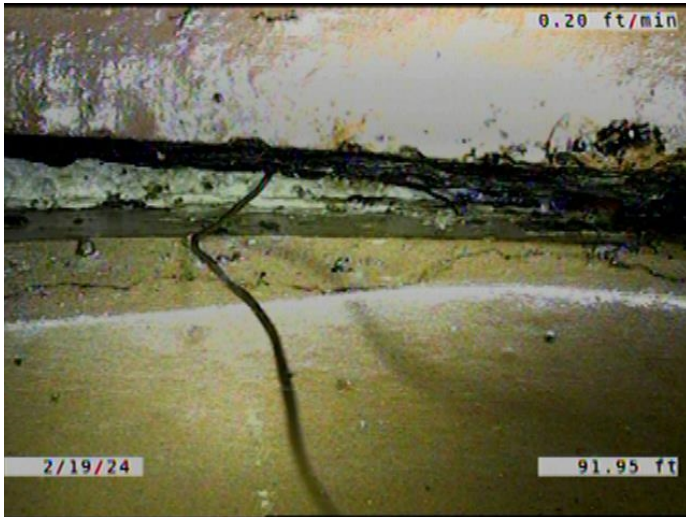
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **89.4**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **S05**
Within 8" of Joint: **NO**
Remarks:



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

Distance (ft): **91.9**
Structural Grade: **2**
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: **RFJ**
Description: **Roots Fine Joint**

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

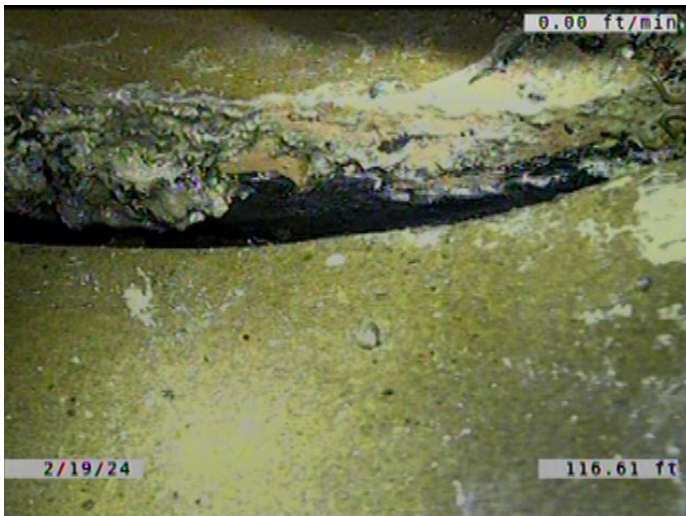


Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **95.1**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **F05**
Within 8" of Joint: **NO**
Remarks:



Code:	MWLS
Description:	Miscellaneous Water Level Sag
Distance (ft):	98.8
Structural Grade:	2
O&M Grade:	0
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	10.000
Continuous Index:	S06
Within 8" of Joint:	NO
Remarks:	



Code:	IRJ
Description:	Infiltration Runner Joint
Distance (ft):	116.6
Structural Grade:	0
O&M Grade:	4
Clock Start/From:	3
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



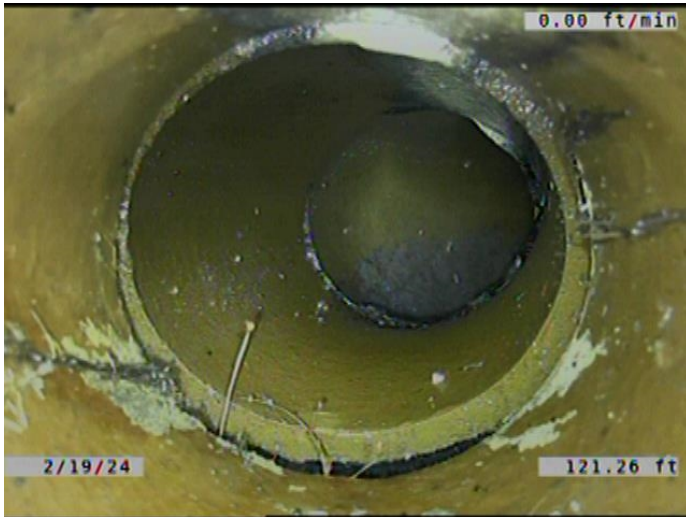
Code: **JOMD**
Description: **Joint Offset Medium Defective**

Distance (ft): **116.6**
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:

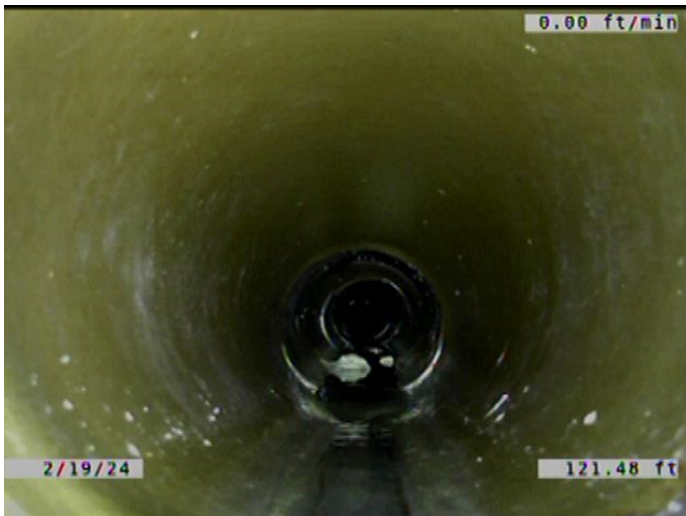


Code: **RFC**
Description: **Roots Fine Connection**

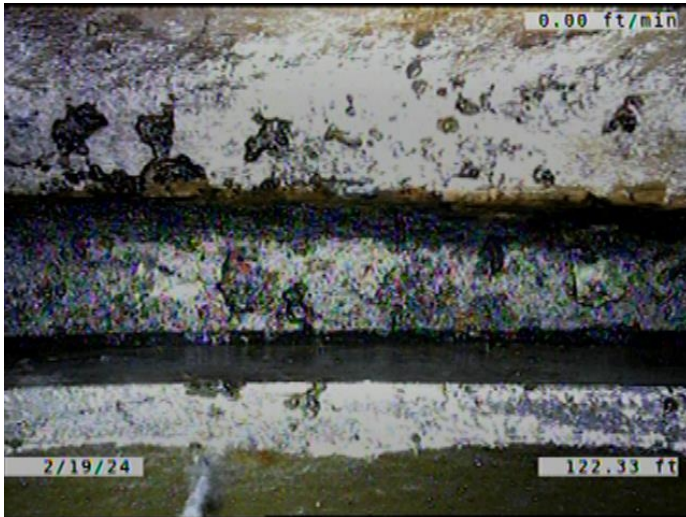
Distance (ft): **121.1**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **12**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



Code:	TFD
Description:	Tap Factory Defective
Distance (ft):	121.3
Structural Grade:	0
O&M Grade:	3
Clock Start/From:	12
Clock To:	
1st Value:	6.000
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	SERVICE OFFSET. TAP CRACKED. ROOTS GROWING IN THE SERVICE T



Code:	MWLS
Description:	Miscellaneous Water Level Sag
Distance (ft):	121.5
Structural Grade:	2
O&M Grade:	0
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	10.000
Continuous Index:	F06
Within 8" of Joint:	NO
Remarks:	



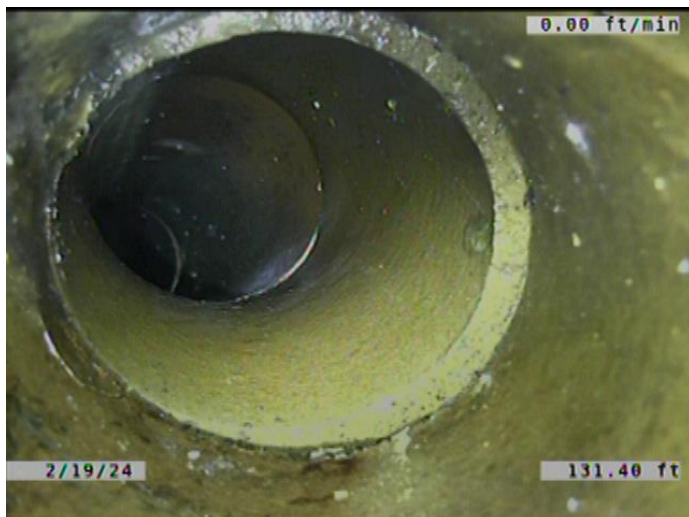
Code: **JAM**
Description: **Joint Angular Medium**

Distance (ft): **122.3**
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:



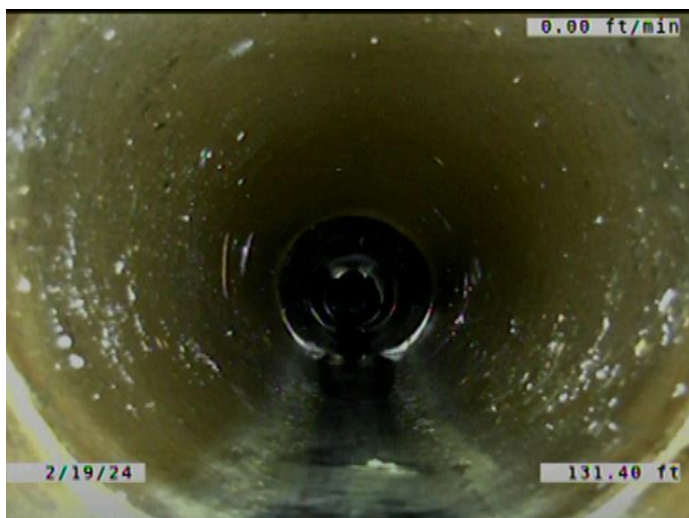
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **124.2**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **10.000**
Continuous Index: **S07**
Within 8" of Joint: **NO**
Remarks:



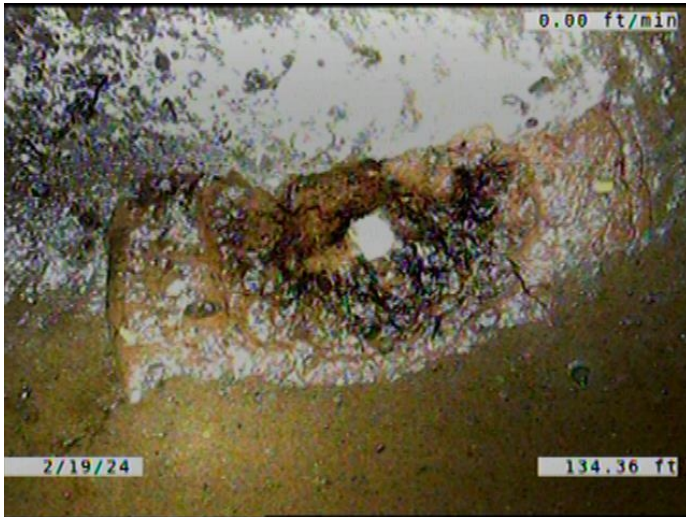
Code: **TFD**
Description: **Tap Factory Defective**

Distance (ft): **131.4**
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: **YES**
Remarks: **TAP BROKEN.**

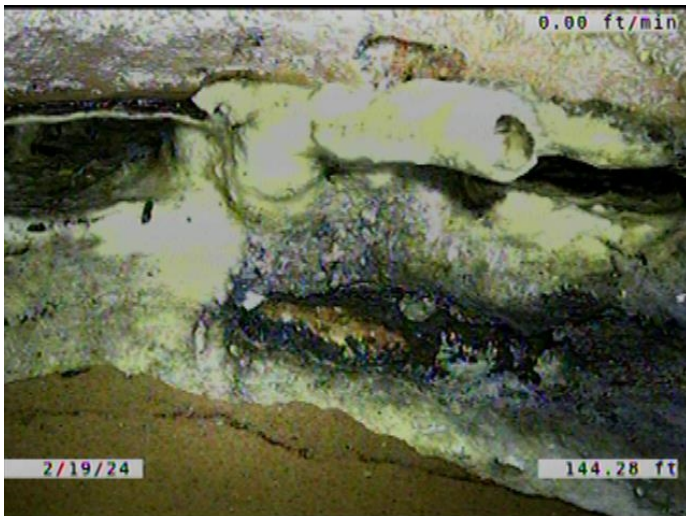


Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **131.4**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **10.000**
Continuous Index: **F07**
Within 8" of Joint: **NO**
Remarks:



Code:	SSS
Description:	Surface Damage Surface Spalling
Distance (ft):	134.4
Structural Grade:	2
O&M Grade:	0
Clock Start/From:	9
Clock To:	10
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	NO
Remarks:	

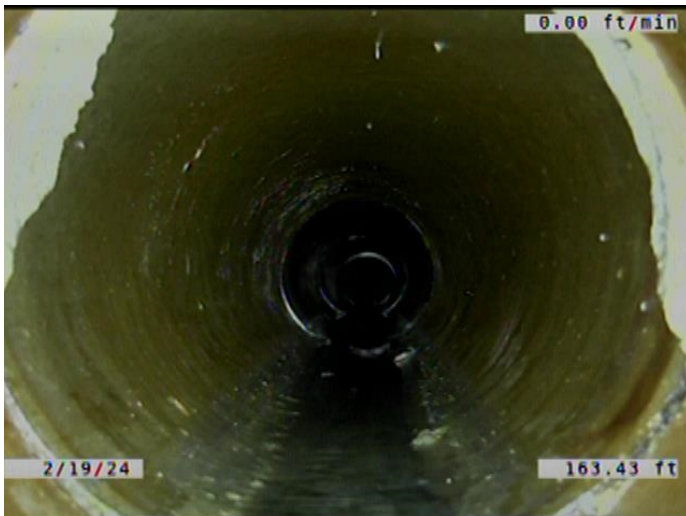


Code:	IWJ
Description:	Infiltration Weeper Joint
Distance (ft):	144.3
Structural Grade:	0
O&M Grade:	2
Clock Start/From:	12
Clock To:	1
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



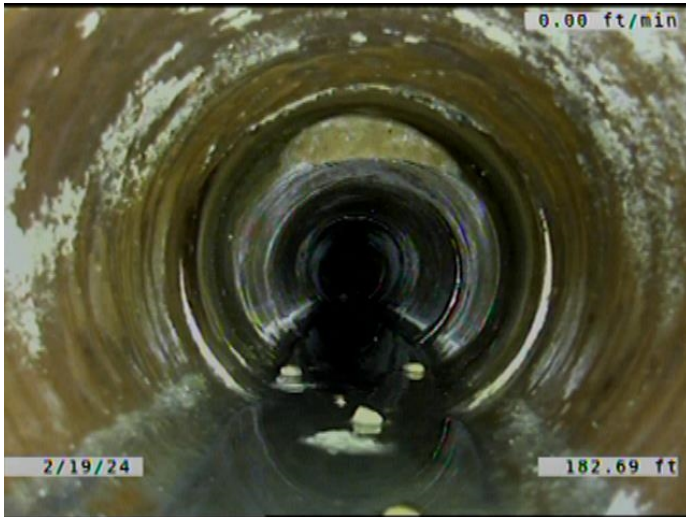
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **145.0**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **S08**
Within 8" of Joint: **NO**
Remarks:



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

Distance (ft): **163.4**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **F08**
Within 8" of Joint: **NO**
Remarks:



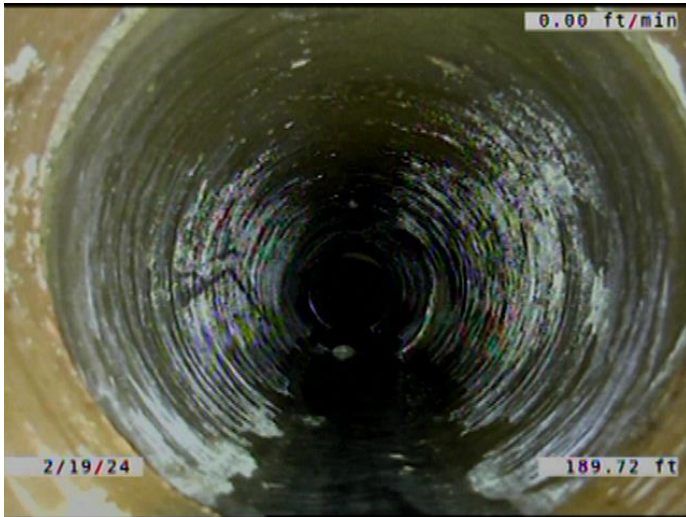
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **182.7**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **S09**
Within 8" of Joint: **NO**
Remarks:



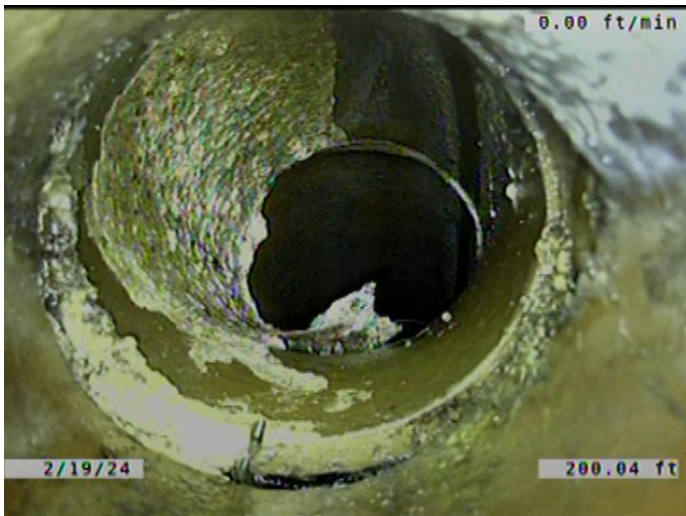
Code: **TFD**
Description: **Tap Factory Defective**

Distance (ft): **185.9**
Structural Grade: **0**
O&M Grade: **3**
Clock Start/From: **12**
Clock To:
1st Value: **6.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks: **SERVICE OFFET. ENCRUSTATION
COMING DOWN THE SERVICE AND F**



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

Distance (ft): **189.7**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **F09**
Within 8" of Joint: **NO**
Remarks:



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

Distance (ft): **200.0**
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: **SERVICE OFFSET. ENCRUSTATION
COMING DOWN THE SERVICE AND F**



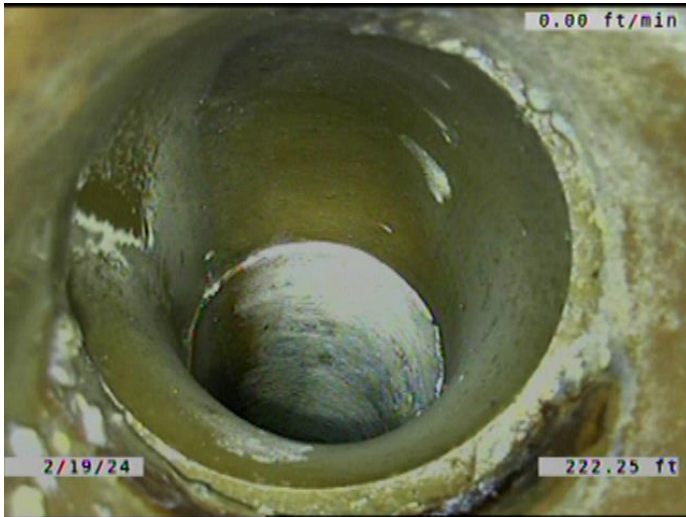
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **210.5**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **S10**
Within 8" of Joint: **NO**
Remarks:



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

Distance (ft): **216.3**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **F10**
Within 8" of Joint: **NO**
Remarks:



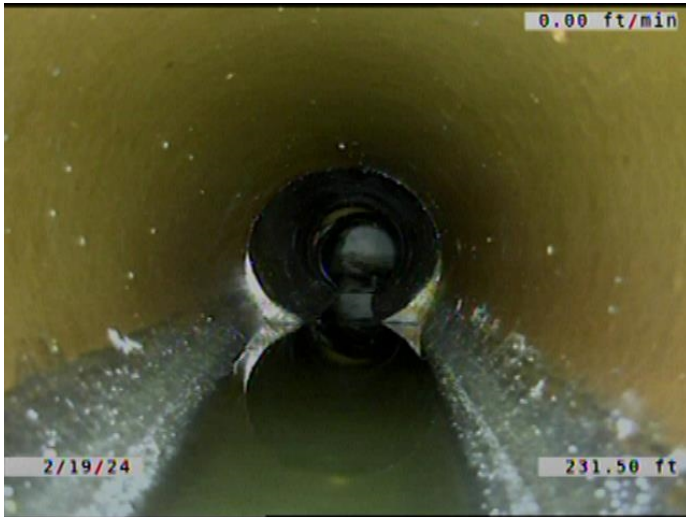
Code: **TF**
Description: **Tap Factory**

Distance (ft): **222.2**
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: **ENCRUSTATION COMING FROM THE SERVICE TO MAIN CONNECTION.**



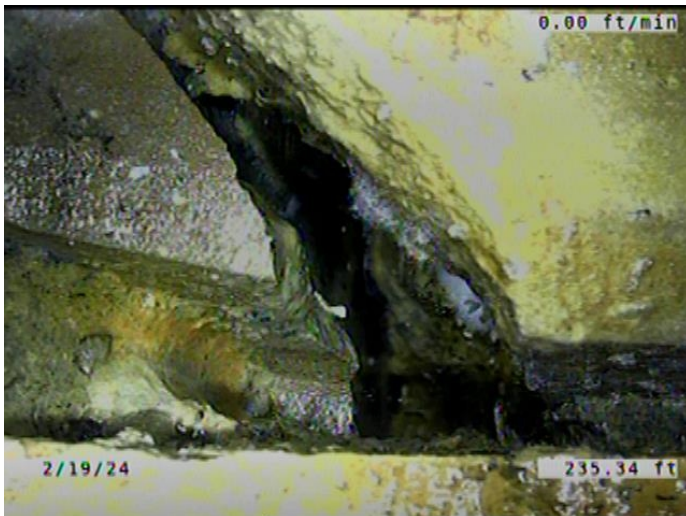
Code: **RFJ**
Description: **Roots Fine Joint**

Distance (ft): **231.4**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **1**
Clock To: **2**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



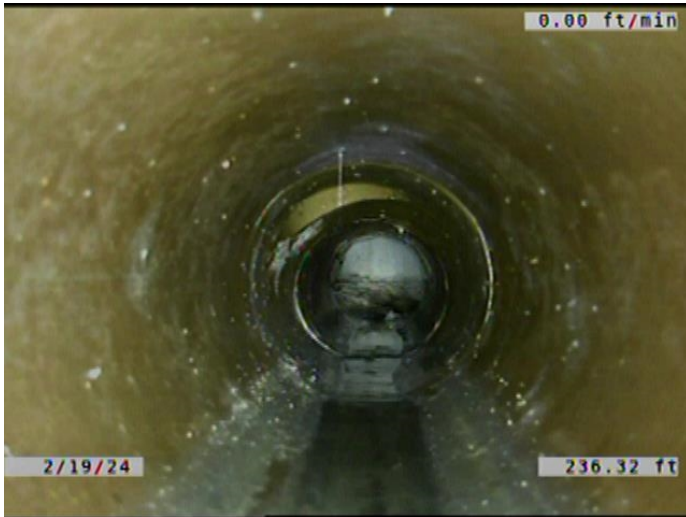
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **231.5**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **10.000**
Continuous Index: **S11**
Within 8" of Joint: **NO**
Remarks:



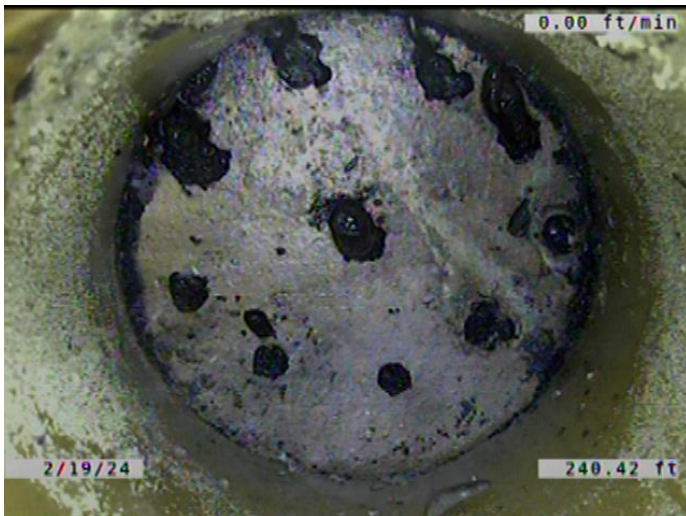
Code: **BVV**
Description: **Broken Void Visible**

Distance (ft): **235.3**
Structural Grade: **5**
O&M Grade: **0**
Clock Start/From: **3**
Clock To: **7**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks: **SOIL AND VOID VISIBLE.**



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

Distance (ft): **236.3**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **10.000**
Continuous Index: **F11**
Within 8" of Joint: **NO**
Remarks:



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

Distance (ft): **240.4**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **11**
Clock To:
1st Value: **6.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks: **ENCRUSTATION COMING AROUND THE CAP.**



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

Distance (ft): **244.7**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **7**
Clock To: **5**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **F03**
Within 8" of Joint: **YES**
Remarks:



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

Distance (ft): **247.1**
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: **M-606-082**