

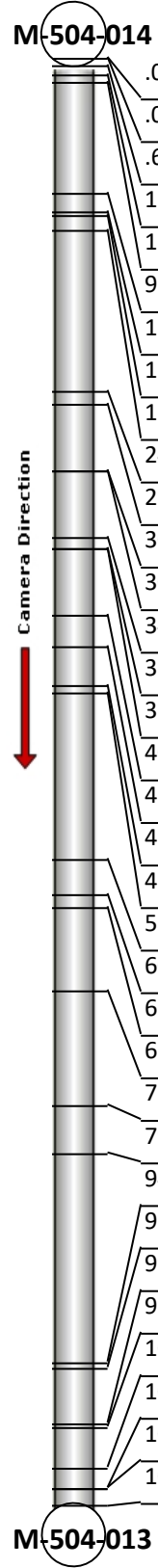
Profile/Photo Observation Report



Date:	11/01/2022	Weather:		Coding:	PACP 7.0
Pipe Length (ft):	113.0	Owner:	City of Hobart	Pre Clean:	Heavy Cleaning
P.O.#:	YES502259	Surveyor:	S. Bucklin	PSR:	P-504-014-013
Customer:	City of Hobart, IN (Red	Clean Date:	10/19/2022	Shape:	C

Street:	South 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:	VCP
Drain Area:		Lining:	None
Category:	NA		
Comment:			
Location Details:		Direction of Survey:	Upstream
US MH:	M-504-013	DS MH:	M-504-014
		Total Length Surveyed (ft):	105.2

O&M Index:	1.40	O&M Quick:	3422	O&M Rating:	35.00
Structural Index:	3.17	Structural Quick:	4D36	Structural Rating:	152.00
Overall Index:	2.56	Overall Quick:	4D3A	Overall Rating:	187.00

	Position	Code	Observation	Video (sec)	Grade
	M-504-014				
	.0	AMH	Manhole	1	NA
	.0	MWL	Miscellaneous Water Level	86	NA
	.6	B(S01)	Broken	149	S 4
	1.2	MWLS(S02)	Miscellaneous Water Level Sag	183	S 2
	1.8	JOMD	Joint Offset Medium Defective	252	S 3
	9.8	RFJ(S03)	Roots Fine Joint	331	M 1
	11.2	RMC	Roots Medium Connection	377	M 3
	11.5	TBD	Tap Break-in/Hammer Defective	400	M 3
	12.5	DR(S04)	Deformed Rigid	425	S 4
	24.2	MWLS(F02)	Miscellaneous Water Level Sag	479	S 2
	25.1	JOMD	Joint Offset Medium Defective	496	S 3
	30.0	DR(F04)	Deformed Rigid	533	S 4
	30.0	MWLS(S05)	Miscellaneous Water Level Sag	541	S 2
	34.8	TFC	Tap Factory Capped	574	NA
	35.6	SSS	Surface Damage Surface Spalling	597	S 2
	35.6	JOMD	Joint Offset Medium Defective	597	S 3
	40.5	JOM	Joint Offset Medium	651	S 3
	42.8	MWLS(F05)	Miscellaneous Water Level Sag	696	S 2
	45.6	MWLS(S06)	Miscellaneous Water Level Sag	719	S 2
	46.1	JOM	Joint Offset Medium	735	S 3
	58.2	MWLS(F06)	Miscellaneous Water Level Sag	798	S 2
	60.8	MWLS(S07)	Miscellaneous Water Level Sag	819	S 2
	61.7	JAM	Joint Angular Medium	857	S 3
	67.8	TBI	Tap Break-in Intruding	922	M 2
	76.2	TFC	Tap Factory Capped	973	NA
	79.7	MWLS(F07)	Miscellaneous Water Level Sag	1005	S 2
	94.9	TBI	Tap Break-in Intruding	1094	M 2
	95.3	MWLS(S08)	Miscellaneous Water Level Sag	1112	S 2
	99.3	RML	Roots Medium Lateral	1156	M 3
	99.6	TFD	Tap Factory Defective	1176	M 3
	102.5	MWLS(F08)	Miscellaneous Water Level Sag	1205	S 2
	104.0	B(F01)	Broken	1250	S 4
	104.0	RFJ(F03)	Roots Fine Joint	1258	M 1
	105.2	AMH	Manhole	1353	NA
	M-504-013				



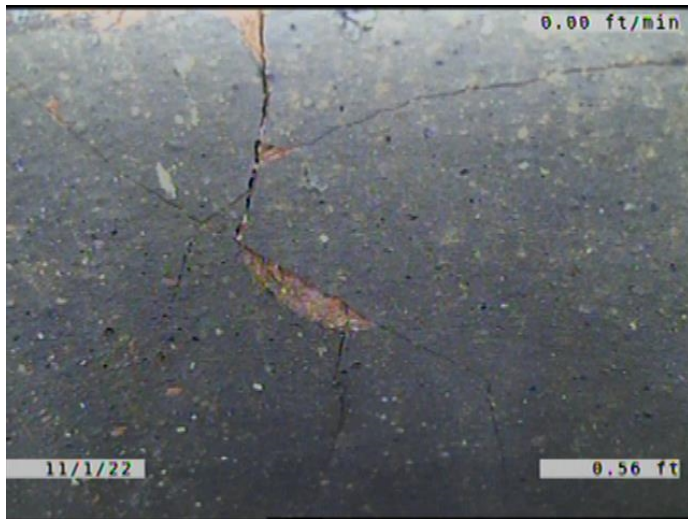
Code: **AMH**
Description: **Manhole**

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-504-014**



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:



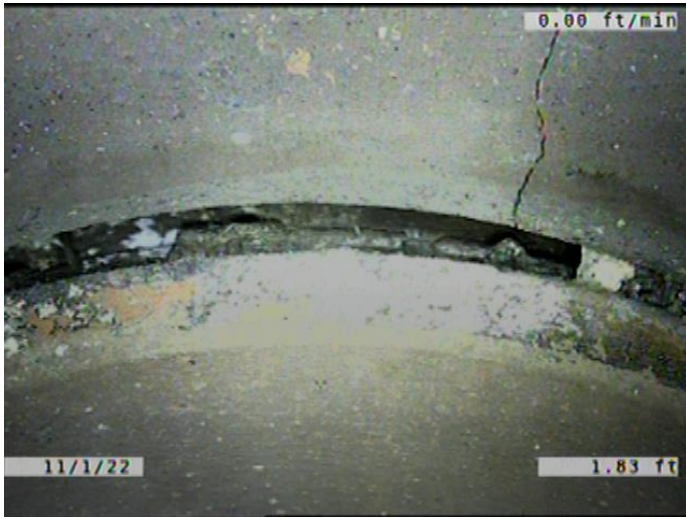
Code: **B**
 Description: **Broken**

Distance (ft): **.6**
 Structural Grade: **4**
 O&M Grade: **0**
 Clock Start/From: **12**
 Clock To: **12**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index: **S01**
 Within 8" of Joint: **YES**
 Remarks: **Wandering**



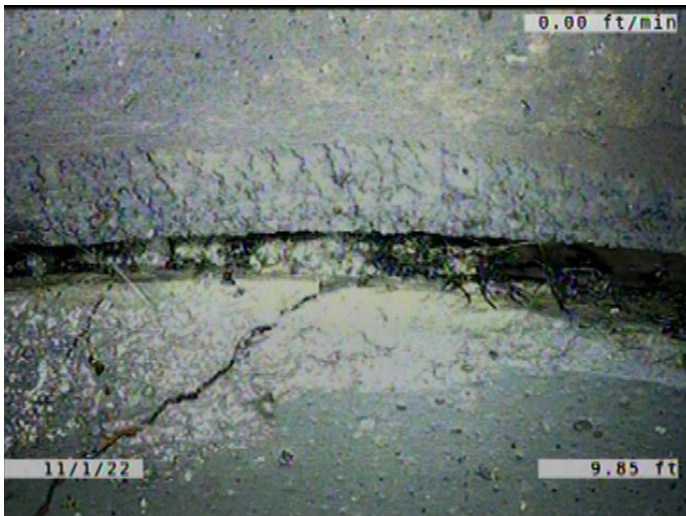
Code: **MWLS**
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **1.2**
 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:



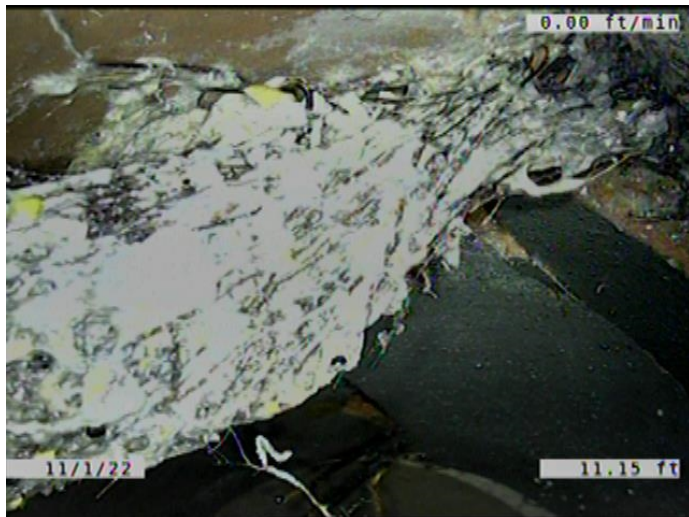
Code: **JOMD**
Description: **Joint Offset Medium Defective**

Distance (ft): **1.8**
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): **9.8**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **9**
Clock To: **3**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **S03**
Within 8" of Joint: **YES**
Remarks:



Code: **RMC**
 Description: **Roots Medium Connection**

Distance (ft): **11.2**
 Structural Grade: **0**
 O&M Grade: **3**
 Clock Start/From: **9**
 Clock To: **11**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks:



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

Distance (ft): **11.5**
 Structural Grade: **0**
 O&M Grade: **3**
 Clock Start/From: **11**
 Clock To:
 1st Value: **4.000**
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks: **ROOTS GROWING IN THE JONTS OF THE SERVICE AND FROM THE CONNE**



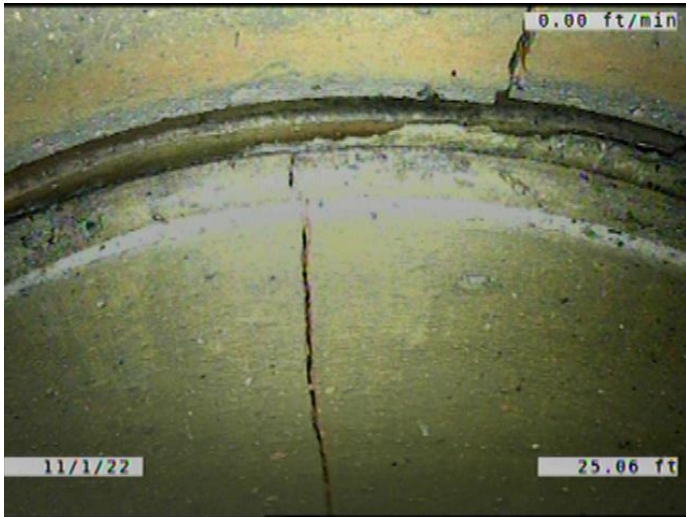
Code: **DR**
Description: **Deformed Rigid**

Distance (ft): **12.5**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **S04**
Within 8" of Joint: **NO**
Remarks:



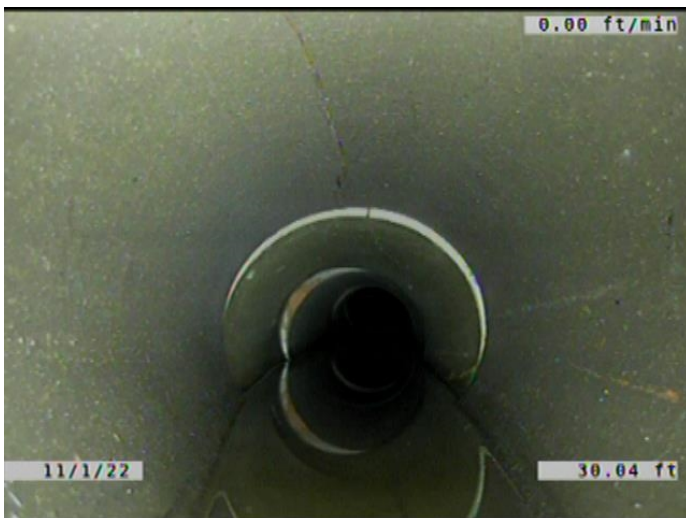
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **24.2**
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:



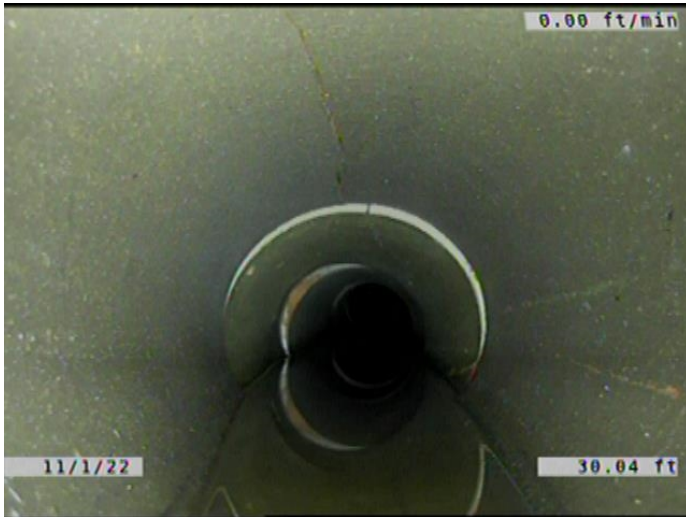
Code: **JOMD**
 Description: **Joint Offset Medium Defective**

Distance (ft): **25.1**
 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:



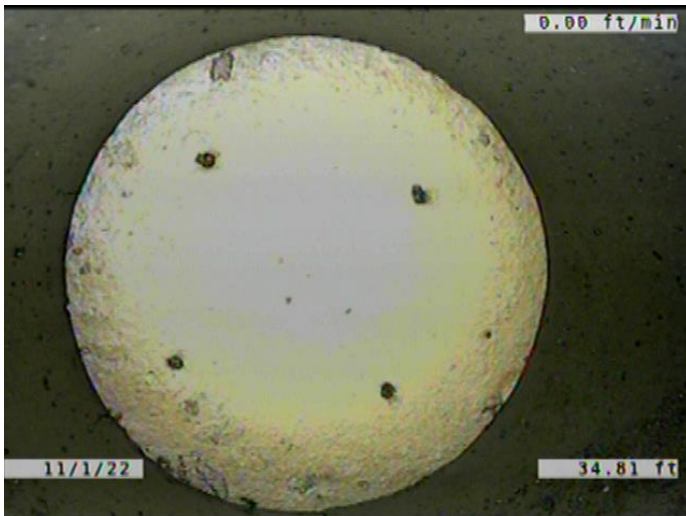
Code: **DR**
 Description: **Deformed Rigid**

Distance (ft): **30.0**
 Structural Grade: **4**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index: **F04**
 Within 8" of Joint: **NO**
 Remarks:



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

Distance (ft): **30.0**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **20.000**
Continuous Index: **S05**
Within 8" of Joint: **NO**
Remarks:



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

Distance (ft): **34.8**
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: **YES**
Remarks:



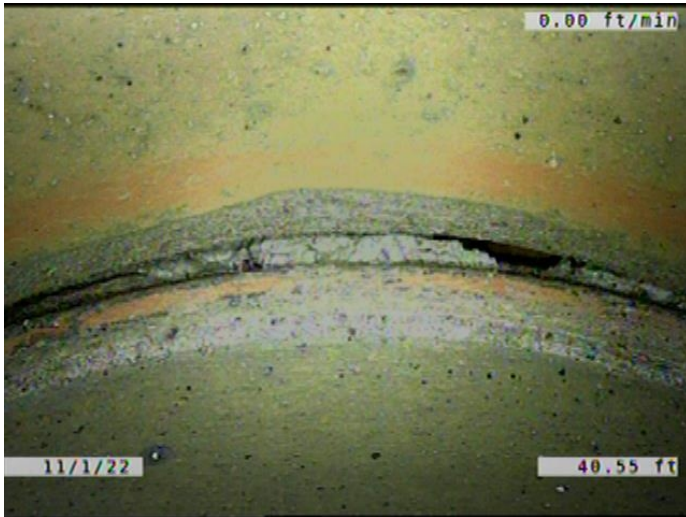
Code: **SSS**
 Description: **Surface Damage Surface Spalling**

Distance (ft): **35.6**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From: **8**
 Clock To: **10**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



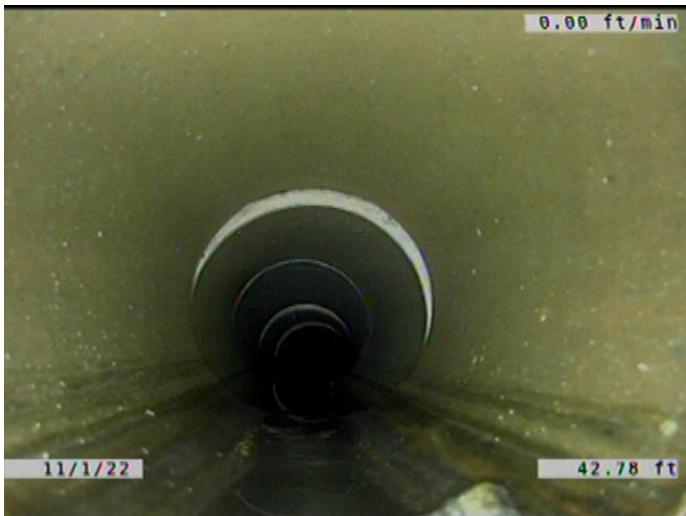
Code: **JOMD**
 Description: **Joint Offset Medium Defective**

Distance (ft): **35.6**
 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:



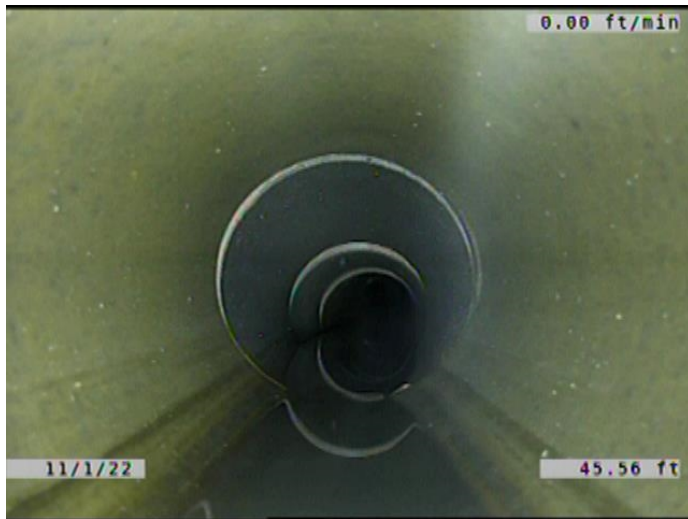
Code: **JOM**
Description: **Joint Offset Medium**

Distance (ft): **40.5**
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:



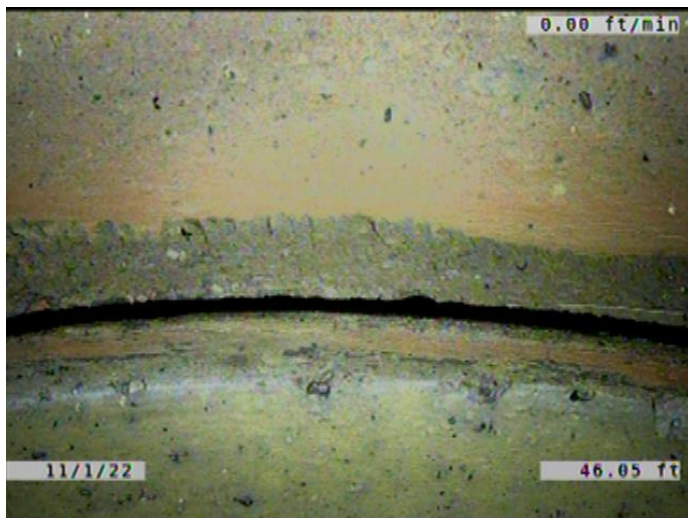
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **42.8**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **20.000**
Continuous Index: **F05**
Within 8" of Joint: **NO**
Remarks:



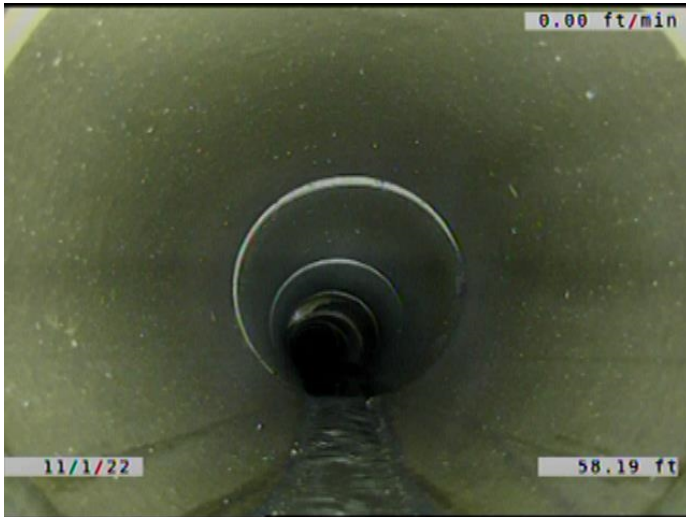
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **45.6**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **15.000**
Continuous Index: **S06**
Within 8" of Joint: **NO**
Remarks:



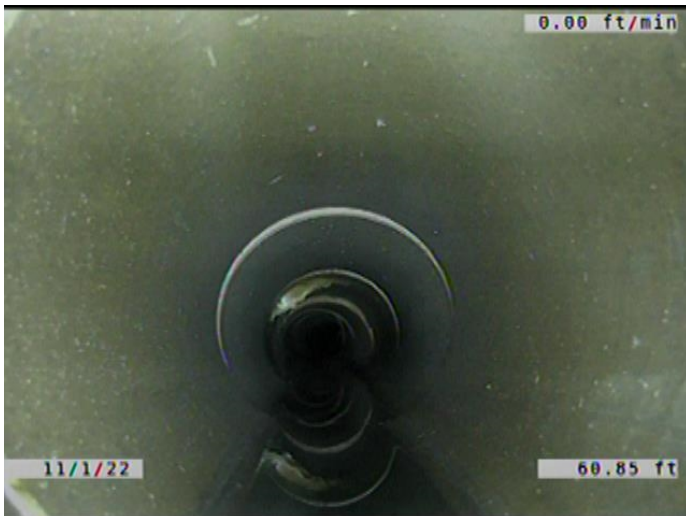
Code: **JOM**
Description: **Joint Offset Medium**

Distance (ft): **46.1**
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:



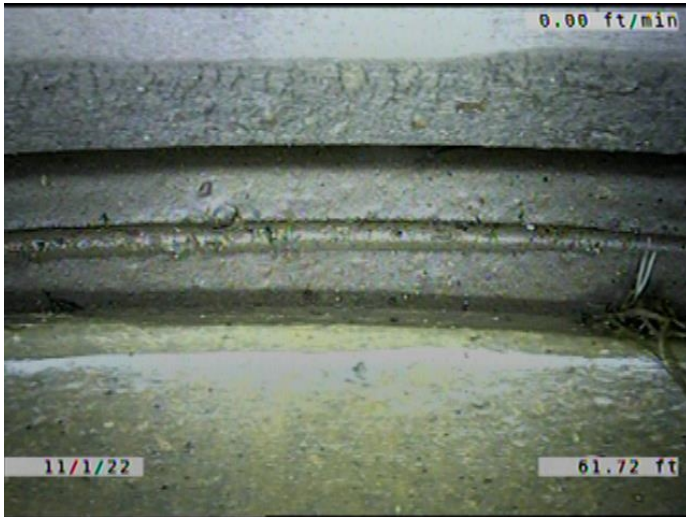
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **58.2**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **15.000**
Continuous Index: **F06**
Within 8" of Joint: **NO**
Remarks:



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

Distance (ft): **60.8**
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:



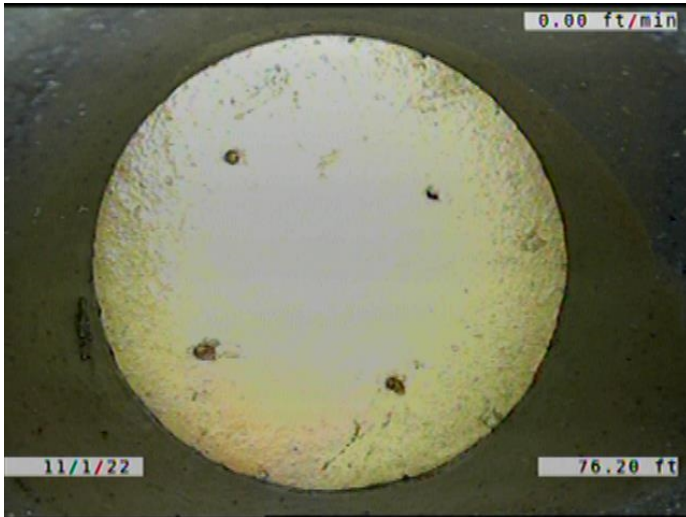
Code: **JAM**
 Description: **Joint Angular Medium**

Distance (ft): **61.7**
 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: **TBI**
 Description: **Tap Break-in Intruding**

Distance (ft): **67.8**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **11**
 Clock To:
 1st Value: **4.000**
 2nd Value: **2.000**
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks: **ROOTS GROWING FROM THE JOINTS AND THE SERVICE TO MAIN CONNEC**



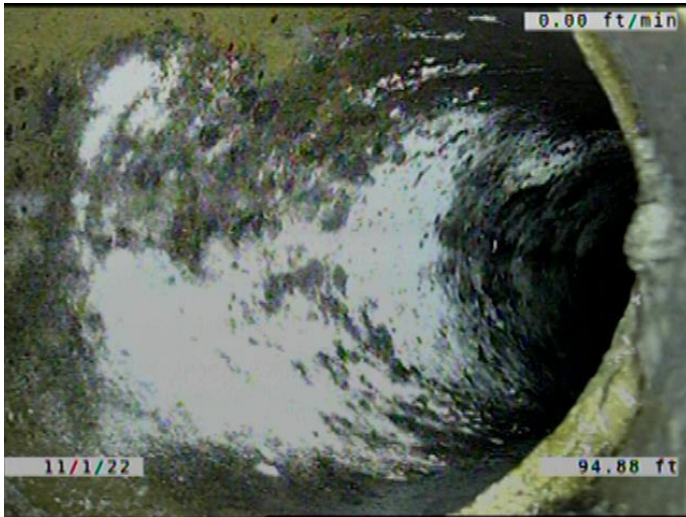
Code: **TFC**
 Description: **Tap Factory Capped**

Distance (ft): **76.2**
 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:



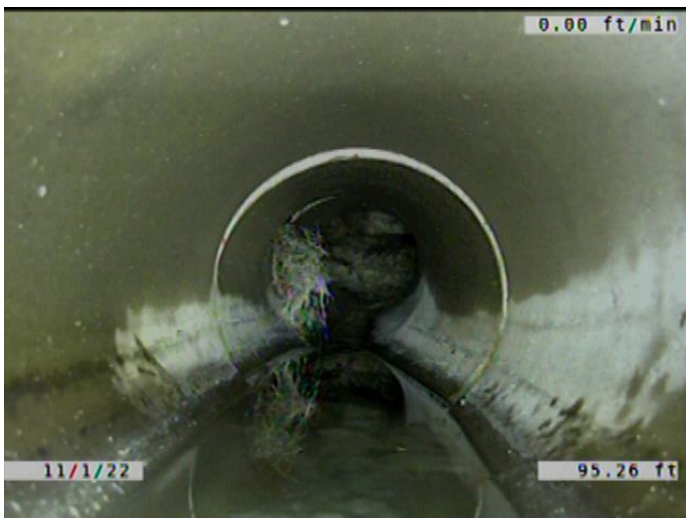
Code: **MWLS**
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **79.7**
 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:



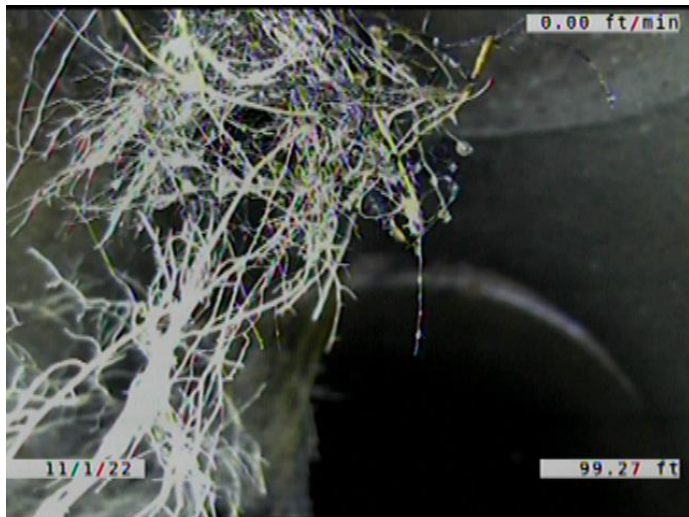
Code: **TBI**
Description: **Tap Break-in Intruding**

Distance (ft): **94.9**
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: **YES**
Remarks: **CONSTANTLY RUNNING WATER.**



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

Distance (ft): **95.3**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **10.000**
Continuous Index: **S08**
Within 8" of Joint: **NO**
Remarks:



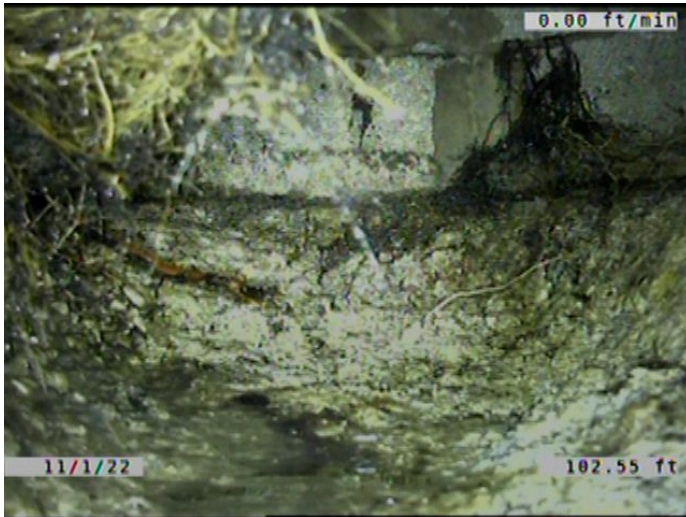
Code: **RML**
 Description: **Roots Medium Lateral**

Distance (ft): **99.3**
 Structural Grade: **0**
 O&M Grade: **3**
 Clock Start/From: **10**
 Clock To: **11**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks:



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

Distance (ft): **99.6**
 Structural Grade: **0**
 O&M Grade: **3**
 Clock Start/From: **11**
 Clock To:
 1st Value: **4.000**
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks: **CAPPED. ROOTS GROWING AROUND THE CAP INTO THE MAIN.**



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

Distance (ft): **102.5**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **10.000**
 Continuous Index: **F08**
 Within 8" of Joint: **NO**
 Remarks:



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

Distance (ft): **104.0**
 Structural Grade: **4**
 O&M Grade: **0**
 Clock Start/From: **12**
 Clock To: **12**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index: **F01**
 Within 8" of Joint: **YES**
 Remarks: **Wandering**



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

Distance (ft): **104.0**
 Structural Grade: **0**
 O&M Grade: **1**
 Clock Start/From: **9**
 Clock To: **3**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index: **F03**
 Within 8" of Joint: **YES**
 Remarks:



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

Distance (ft): **105.2**
 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: **M-504-013**