

Profile/Photo Observation Report



Date:	02/15/2024	Weather:		Coding:	PACP 7.0
Pipe Length (ft):	117.0	Owner:	City of Hobart	Pre Clean:	Heavy Cleaning
P.O.#:	YES502259	Surveyor:	S. Bucklin	PSR:	P-504-018-017
Customer:	City of Hobart	Clean Date:	10/09/2022	Shape:	C

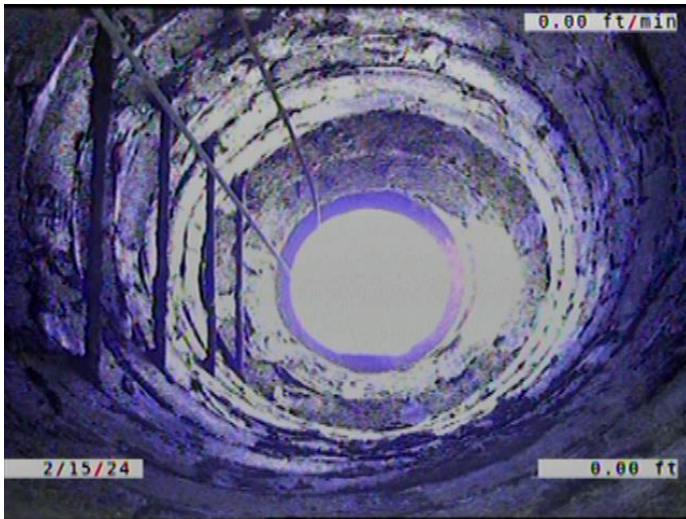
Street:	N DELAWARE ST	Flow Control:	Not Controlled
City:	Hobart, IN	Year Renewed:	
Location:	Alley	Tape/Media #:	
Purpose:	Routine Assessment	Dia/Height:	10"
Use:	Sanitary Sewage Pipe	Material:	VCP
Drain Area:		Lining:	None
Category:	NA		
Comment:			
Location Details:		Direction of Survey:	Upstream
US MH:	M-504-017	DS MH:	M-504-018
		Total Length Surveyed (ft):	117.6

O&M Index:	1.78	O&M Quick:	372B	O&M Rating:	71.00
Structural Index:	3.55	Structural Quick:	4C35	Structural Rating:	117.00
Overall Index:	2.58	Overall Quick:	4C3A	Overall Rating:	188.00

	Position	Code	Observation	Video (sec)	Grade
	.0	AMH	Manhole	0	NA
	.0	MWL	Miscellaneous Water Level	68	NA
	3.2	DAE	Deposits Attached Encrustation	118	M 2
	5.6	CM	Crack Multiple	191	S 3
	9.7	FM(S01)	Fracture Multiple	288	S 4
	9.7	MWLS(S02)	Miscellaneous Water Level Sag	303	S 2
	22.2	RFJ(S03)	Roots Fine Joint	392	M 1
	26.9	MWLS(F02)	Miscellaneous Water Level Sag	487	S 2
	31.4	DAE	Deposits Attached Encrustation	563	M 2
	38.9	JOMD	Joint Offset Medium Defective	644	S 3
	43.1	DAE(S04)	Deposits Attached Encrustation	718	M 2
	45.1	JOMD	Joint Offset Medium Defective	762	S 3
	46.3	B	Broken	807	S 4
	46.8	TBD	Tap Break-in/Hammer Defective	824	M 3
	48.6	DAE(F04)	Deposits Attached Encrustation	887	M 2
	49.2	MWLS(S05)	Miscellaneous Water Level Sag	904	S 2
	52.8	TFD	Tap Factory Defective	963	M 3
	56.9	MWLS(F05)	Miscellaneous Water Level Sag	1008	S 2
	62.0	DAE	Deposits Attached Encrustation	1074	M 2

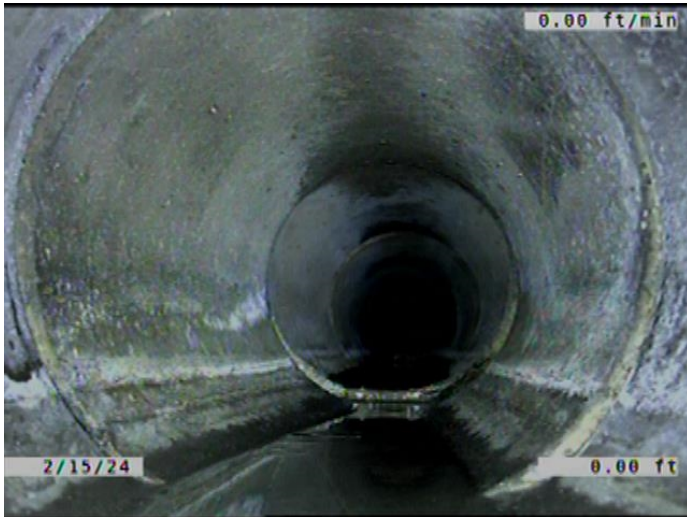
62.1	SZ	Surface Damage Other	1095	NA
63.3	DSF(S06)	Deposits Settled Fine	1120	M 2
74.3	JOMD	Joint Offset Medium Defective	1191	S 3
76.0	TFD	Tap Factory Defective	1238	M 3
80.0	TFD	Tap Factory Defective	1321	M 3
90.5	DR	Deformed Rigid	1459	S 4
90.8	TBI	Tap Break-in Intruding	1539	M 2
90.8	RFC	Roots Fine Connection	1562	M 1
91.0	DAR	Deposits Attached Ragging	1592	M 2
93.4	MWL	Miscellaneous Water Level	1635	NA
97.7	SZ	Surface Damage Other	1668	NA
98.8	RFJ(F03)	Roots Fine Joint	1690	M 1
98.8	RMJ(S08)	Roots Medium Joint	1697	M 3
101.9	MWL	Miscellaneous Water Level	1723	NA
107.7	JOMD	Joint Offset Medium Defective	1765	S 3
116.1	FM(F01)	Fracture Multiple	1816	S 4
116.1	DSF(F06)	Deposits Settled Fine	1824	M 2
116.2	RMJ(F08)	Roots Medium Joint	1832	M 3
117.6	AMH	Manhole	1919	NA

M-504-017



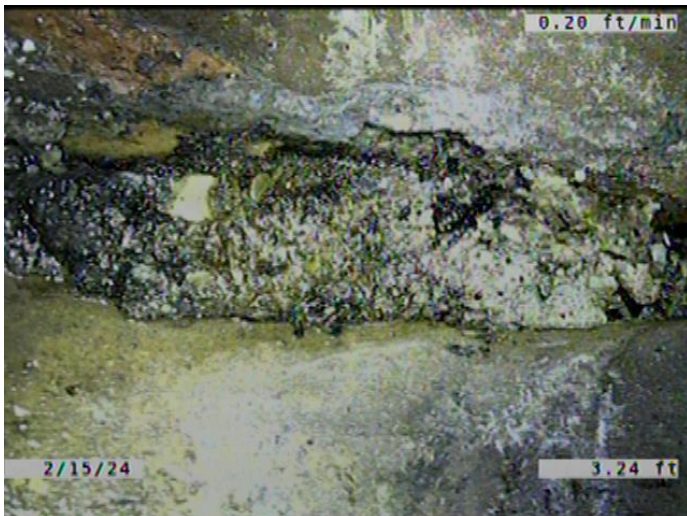
Code: **AMH**
Description: **Manhole**

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-504-018**



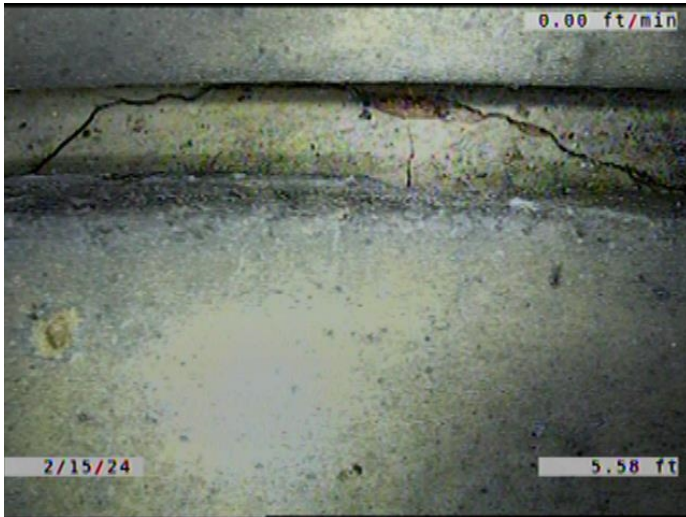
Code: **MWL**
 Description: **Miscellaneous Water Level**

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

Distance (ft): **3.2**
 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: **YES**
 Remarks:



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

Distance (ft): **5.6**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From: **9**
Clock To: **11**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



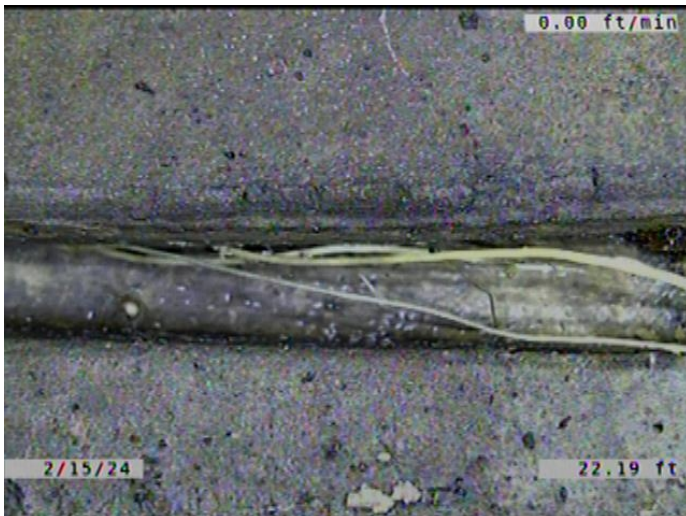
Code: **FM**
Description: **Fracture Multiple**

Distance (ft): **9.7**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **7**
Clock To: **5**
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): **9.7**
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:



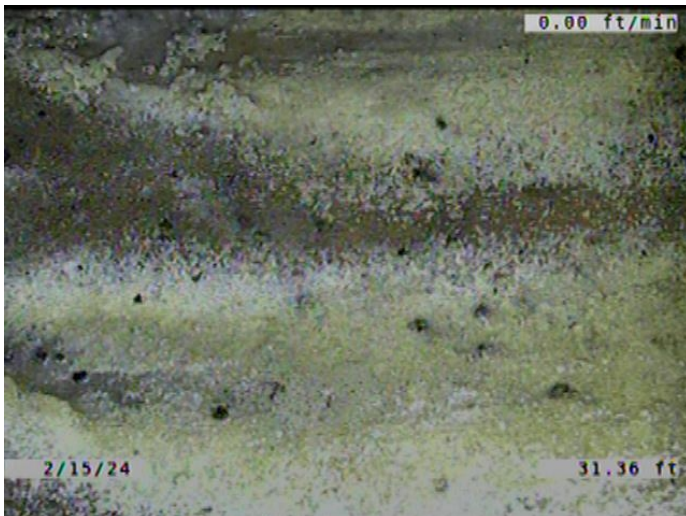
Code: **RFJ**
Description: **Roots Fine Joint**

Distance (ft): **22.2**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **7**
Clock To: **5**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **S03**
Within 8" of Joint: **YES**
Remarks:



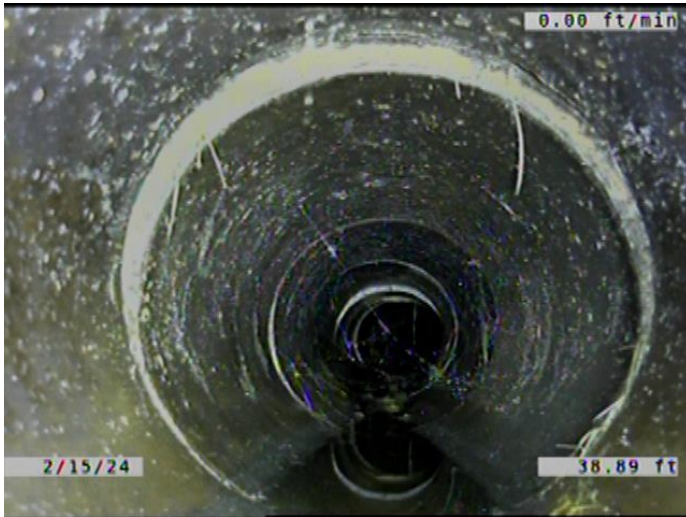
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **26.9**
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:



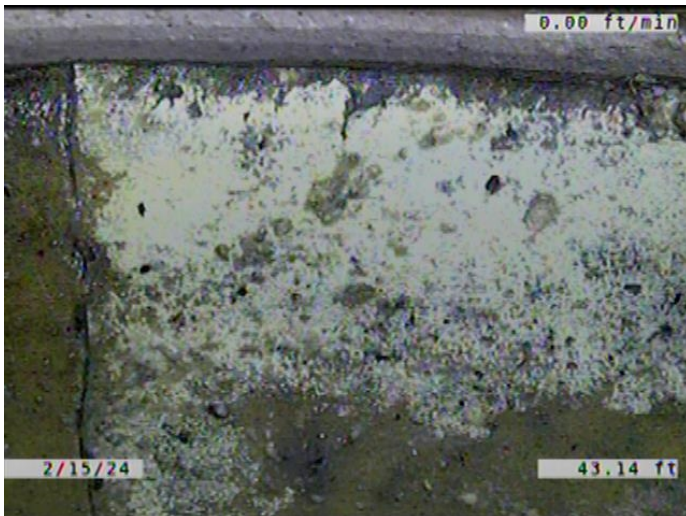
Code: **DAE**
Description: **Deposits Attached Encrustation**

Distance (ft): **31.4**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **7**
Clock To: **9**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



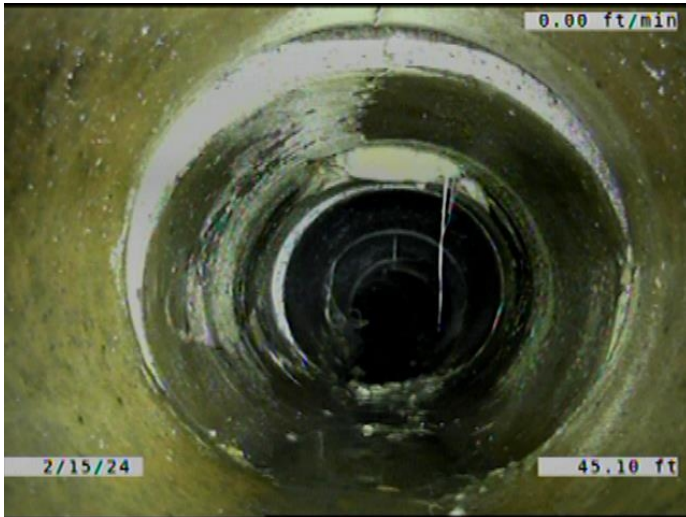
Code: **JOMD**
Description: **Joint Offset Medium Defective**

Distance (ft): **38.9**
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:



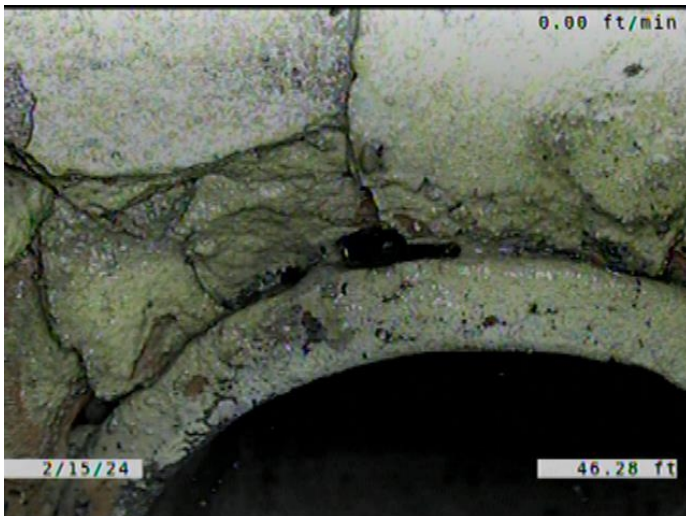
Code: **DAE**
Description: **Deposits Attached Encrustation**

Distance (ft): **43.1**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **7**
Clock To: **5**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **S04**
Within 8" of Joint: **YES**
Remarks:



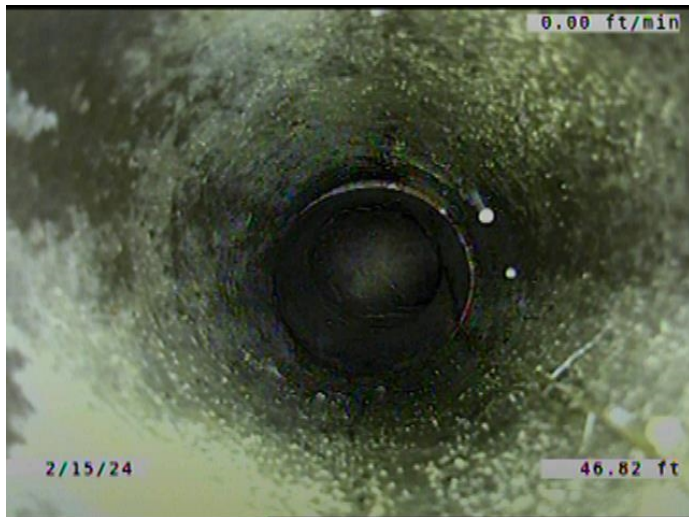
Code: **JOMD**
Description: **Joint Offset Medium Defective**

Distance (ft): **45.1**
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: **B**
Description: **Broken**

Distance (ft): **46.3**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **11**
Clock To: **1**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



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

Distance (ft): **46.8**
 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: **CONSTANTLY DRIPPING WATER. SERVICE COMES FROM THE RIGHT (**



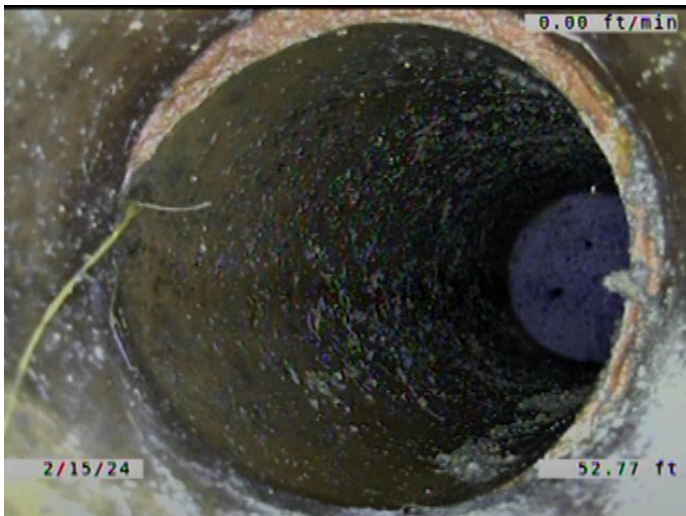
Code: **DAE**
 Description: **Deposits Attached Encrustation**

Distance (ft): **48.6**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **7**
 Clock To: **5**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index: **F04**
 Within 8" of Joint: **YES**
 Remarks:



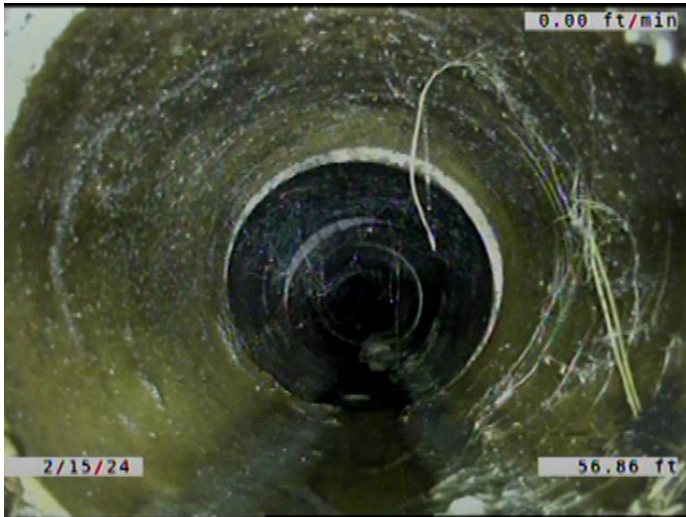
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **49.2**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **10.000**
Continuous Index: **S05**
Within 8" of Joint: **NO**
Remarks:



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

Distance (ft): **52.8**
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: **CAPPED. SERVICE OFFSET. ROOTS GROWING IN THE JOINTS.**



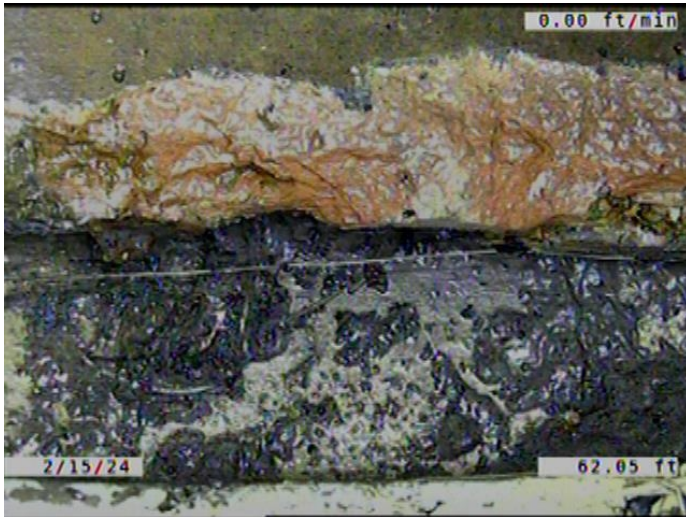
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **56.9**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **10.000**
Continuous Index: **F05**
Within 8" of Joint: **NO**
Remarks:



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

Distance (ft): **62.0**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **3**
Clock To: **5**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



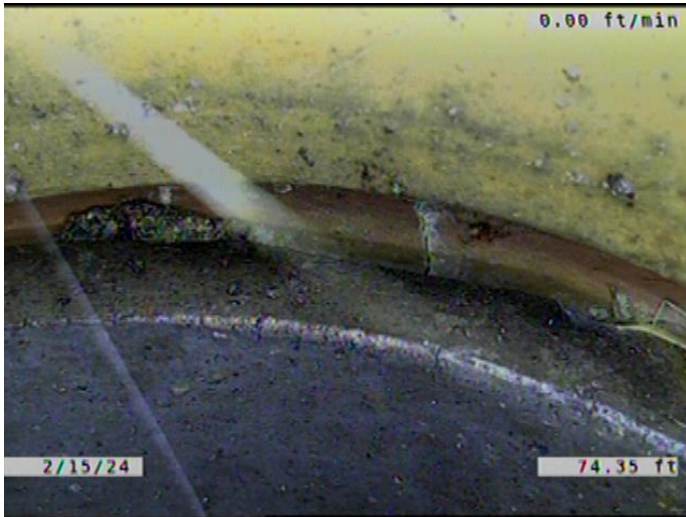
Code: **SZ**
Description: **Surface Damage Other**

Distance (ft): **62.1**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **3**
Clock To: **5**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks: **A PIECE CHIPPED AWAY FROM THE JOINT.**



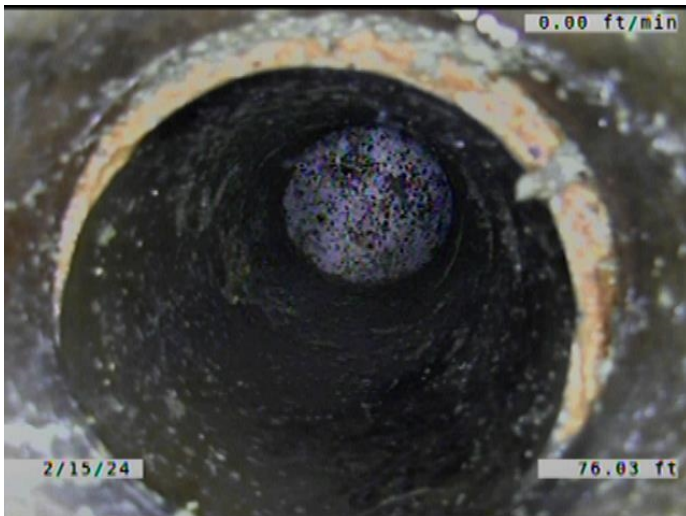
Code: **DSF**
Description: **Deposits Settled Fine**

Distance (ft): **63.3**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **5**
Clock To: **7**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **S06**
Within 8" of Joint: **YES**
Remarks:



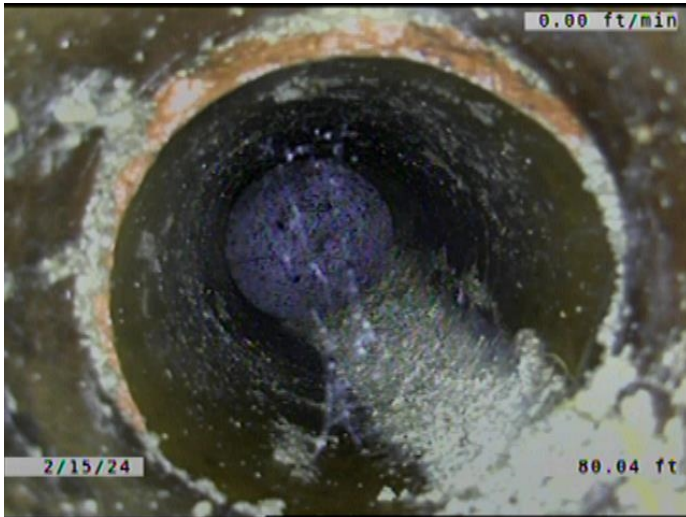
Code: **JOMD**
Description: **Joint Offset Medium Defective**

Distance (ft): **74.3**
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:

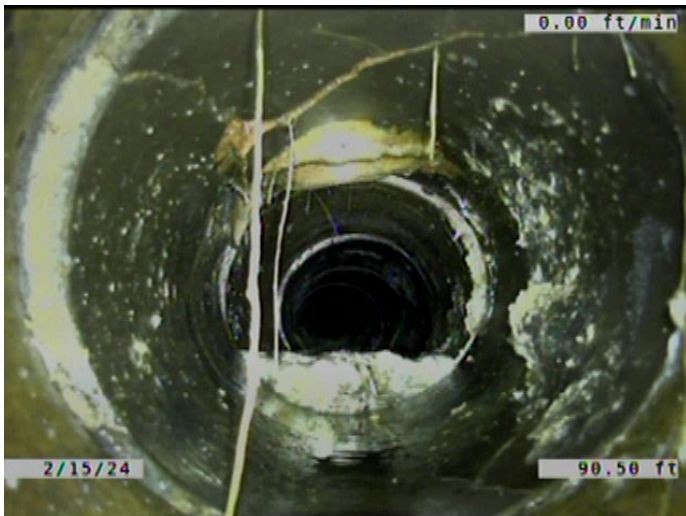


Code: **TFD**
Description: **Tap Factory Defective**

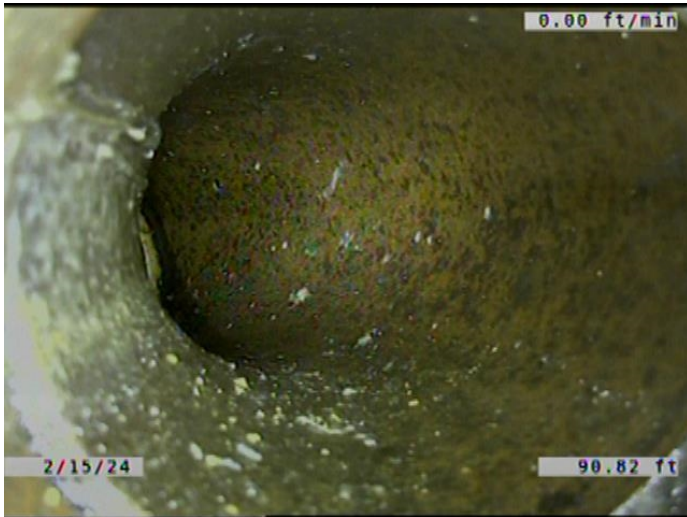
Distance (ft): **76.0**
Structural Grade: **0**
O&M Grade: **3**
Clock Start/From: **11**
Clock To:
1st Value: **6.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks: **CAPPED. SERVICE OFFSET. ROOTS GROWING IN THE JOINTS INTO THE**



Code:	TFD
Description:	Tap Factory Defective
Distance (ft):	80.0
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:	CAPPED. SERVICE OFFSET. ROOTS GROWING IN THE JOINTS INTO THE



Code:	DR
Description:	Deformed Rigid
Distance (ft):	90.5
Structural Grade:	4
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:	



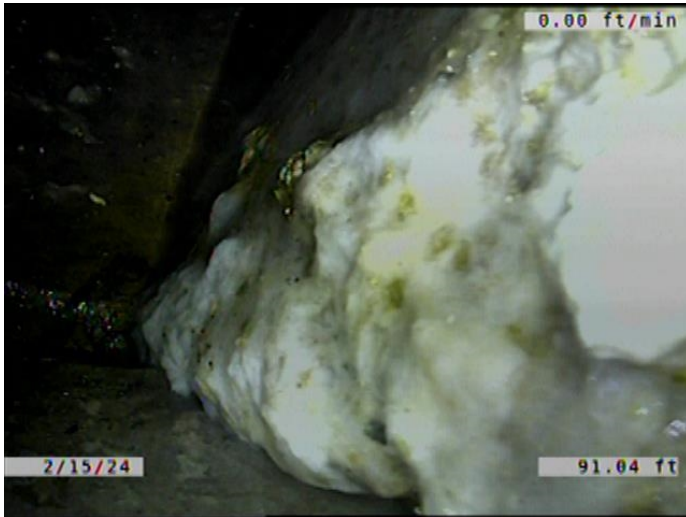
Code: **TBI**
Description: **Tap Break-in Intruding**

Distance (ft): **90.8**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **11**
Clock To:
1st Value: **6.000**
2nd Value: **1.000**
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks: **CONSTANLY DRIPPING WATER.**

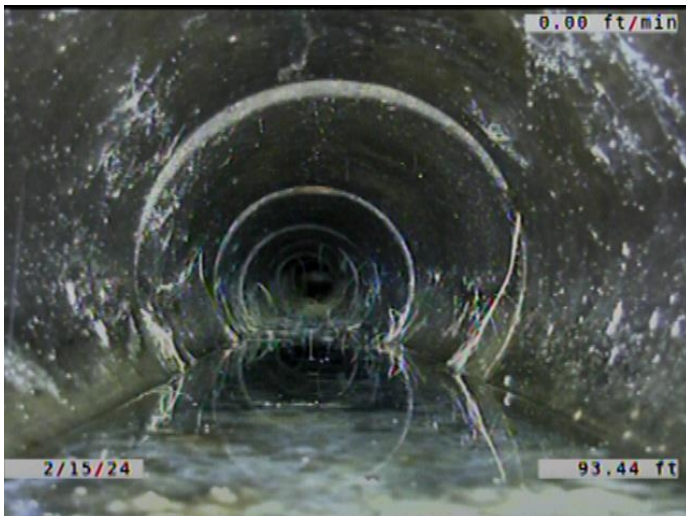


Code: **RFC**
Description: **Roots Fine Connection**

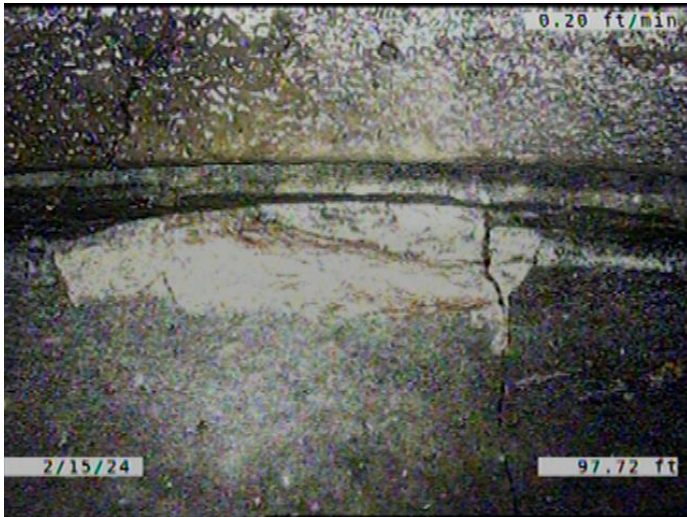
Distance (ft): **90.8**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **10**
Clock To: **12**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



Code:	DAR
Description:	Deposits Attached Ragging
Distance (ft):	91.0
Structural Grade:	0
O&M Grade:	2
Clock Start/From:	4
Clock To:	8
1st Value:	
2nd Value:	
Value Percent:	10.000
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	RAGS TP AND SEWER DEBRIS.



Code:	MWL
Description:	Miscellaneous Water Level
Distance (ft):	93.4
Structural Grade:	0
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:	SZ
Description:	Surface Damage Other
Distance (ft):	97.7
Structural Grade:	0
O&M Grade:	0
Clock Start/From:	12
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	A PIECE CHIPPED AWAY FROM THE JOINT.



Code:	RFJ
Description:	Roots Fine Joint
Distance (ft):	98.8
Structural Grade:	0
O&M Grade:	1
Clock Start/From:	7
Clock To:	5
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	F03
Within 8" of Joint:	YES
Remarks:	



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

Distance (ft): **98.8**
Structural Grade: **0**
O&M Grade: **3**
Clock Start/From: **12**
Clock To: **12**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **S08**
Within 8" of Joint: **YES**
Remarks:



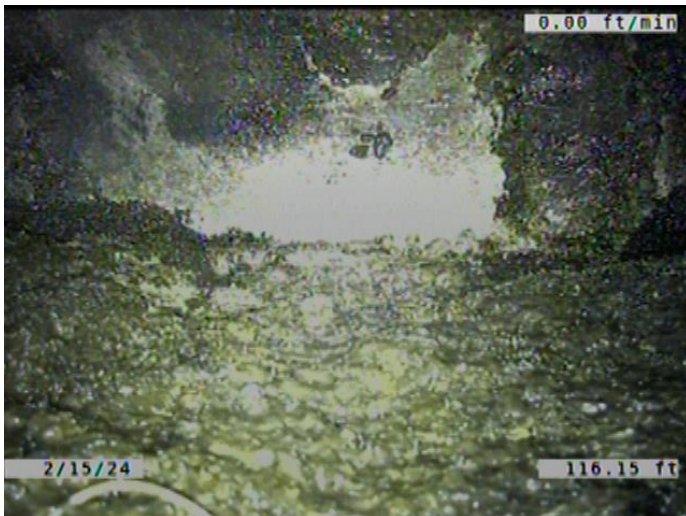
Code: **MWL**
Description: **Miscellaneous Water Level**

Distance (ft): **101.9**
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: **JOMD**
Description: **Joint Offset Medium Defective**

Distance (ft): **107.7**
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:



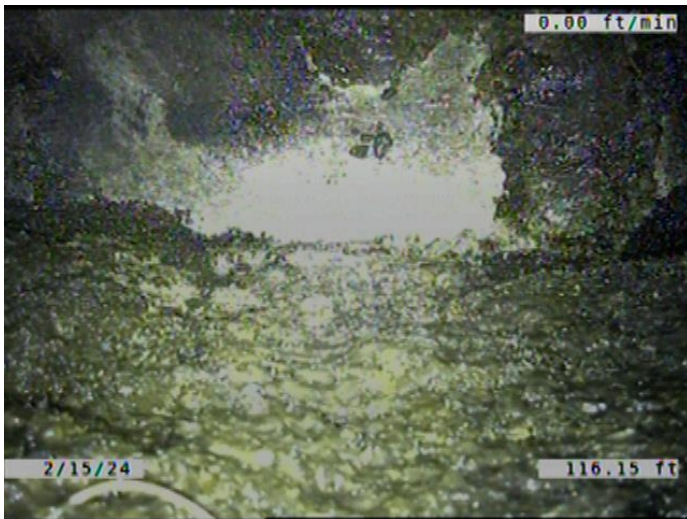
Code: **FM**
Description: **Fracture Multiple**

Distance (ft): **116.1**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **7**
Clock To: **5**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **F01**
Within 8" of Joint: **YES**
Remarks: **Wandering**



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

Distance (ft): **116.1**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **5**
Clock To: **7**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **F06**
Within 8" of Joint: **YES**
Remarks:



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

Distance (ft): **116.2**
Structural Grade: **0**
O&M Grade: **3**
Clock Start/From: **12**
Clock To: **12**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **F08**
Within 8" of Joint: **YES**
Remarks:



Code:	AMH
Description:	Manhole
Distance (ft):	117.6
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:	M-504-017