Profile/Photo Observation Report

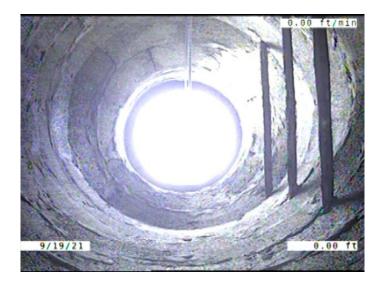
					RUBUIIC
Date:	09/19/2021	Weather:		Coding:	PACP 7.0
Pipe Length (ft):	247.1	Owner:	City of Hobart	Pre Clean:	Light Cleaning
P.O.#:	YES502259	Surveyor:	S. Bucklin	PSR:	P-503-014-012
Customer:	City of Hobart	Clean Date:	09/06/2021	Shape:	С
Street:	North Virginia Stre	et	Flow Control:	Not Controlled	
City:	Hobart, IN		Year Renewed:		
Location:	Local rural streets	with light traffic	, t Tape/Media #:		
Purpose:	Routine Assessme	nt	Dia/Height:	10"	
Use:	Sanitary Sewage P	ipe	Material:	VCP	
Drain Area:			Lining:	None	
Category:	NA				
Comment:					
Location Details	:		Direction of Surv	vey: Upstream	
US MH:	M-503-012	DS MH:	M-503-014	Total Length Surveyed (ft)	: 247.1
O&M Index:	1.92	O&M Quick:	342	Q O&M Rating:	211.00
Structural Index:	3.15	Structural Q	uick: 514	B Structural Rating:	167.00
Overall Index:	2.32	Overall Quic	k: 514	B Overall Rating:	378.00

	Position	Code	Observation	Video (sec)	Grade
M-503	014				
\leq	0. /	AMH	Manhole	1	NA
- 11	.0	MWL	Miscellaneous Water Level	66	NA
	ך \\\1.2	CM(S01)	Crack Multiple	144	S 3
	1.2	DAE(S02)	Deposits Attached Encrustation	156	M 2
	\ <u>9.5</u>	MWLS	Miscellaneous Water Level Sag	253	S 2
	27.3	TFD	Tap Factory Defective	332	M 3
	29.2	TFD	Tap Factory Defective	364	M 3
	30.4	DSF(S03)	Deposits Settled Fine	388	M 2
- 11	47.4	TF	Tap Factory	468	NA
5	/48.3	CM(F01)	Crack Multiple	499	S 3
Camera Direction	// 48.3	FM(S04)	Fracture Multiple	510	S 4
Dir Dir	49.4	TFD	Tap Factory Defective	538	M 3
Jera	54.4	MWLS	Miscellaneous Water Level Sag	576	S 2
Can	84.0	TFC	Tap Factory Capped	691	NA
	101.7	BSV(S05)	Broken Soil Visible	885	S 5
	104.7	BSV(F05)	Broken Soil Visible	921	S 5
1	108.9	В	Broken	990	S 4
	114.4	TFD	Tap Factory Defective	1050	M 3
	126.3	SSS	Surface Damage Surface Spalling	1159	S 2

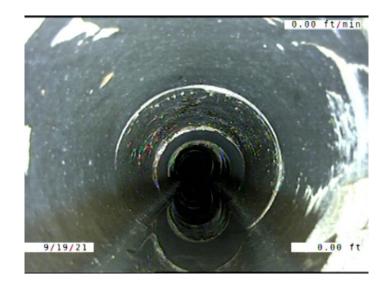
Thursday, December 30, 2021

RedZone

/	127.2	MWLS(S06)	Miscellaneous Water Level Sag	1179	S 2
	133.3	FM(F04)	Fracture Multiple	1290	S 4
	133.6	CM(S07)	Crack Multiple	1299	S 3
	138.2	MWLS(F06)	Miscellaneous Water Level Sag	1327	S 2
	147.1	JOM	Joint Offset Medium	1394	S 3
///	153.1	MWLS(S08)	Miscellaneous Water Level Sag	1438	S 2
'/	156.6	TFC	Tap Factory Capped	1468	NA
/	157.2	JOM	Joint Offset Medium	1490	S 3
	170.9	MWLS(F08)	Miscellaneous Water Level Sag	1569	S 2
	181.4	ТВІ	Tap Break-in Intruding	1654	M 2
===!	191.6	JOM	Joint Offset Medium	1710	S 3
	197.9	RFJ	Roots Fine Joint	1761	M 1
	197.9	FL(S10)	Fracture Longitudinal	1773	S 3
	200.0	RFJ	Roots Fine Joint	1794	M 1
	202.2	RFJ	Roots Fine Joint	1835	M 1
	204.1	FL(F10)	Fracture Longitudinal	1862	S 3
	204.1	RFJ	Roots Fine Joint	1890	M 1
/	204.1	RFJ	Roots Fine Joint	1906	M 1
	204.1	MWLS(S09)	Miscellaneous Water Level Sag	1920	S 2
	205.8	JOM	Joint Offset Medium	1939	S 3
/	212.4	RFJ	Roots Fine Joint	1999	M 1
	212.4	RFJ	Roots Fine Joint	2012	M 1
	219.5	MWLS(F09)	Miscellaneous Water Level Sag	2054	S 2
	220.3	RFJ	Roots Fine Joint	2101	M 1
	220.3	RFJ(S10)	Roots Fine Joint	2119	M 1
'	224.2	JOMD	Joint Offset Medium Defective	2158	S 3
	226.5	RFJ(S11)	Roots Fine Joint	2216	M 1
	226.5	RFJ(F10)	Roots Fine Joint	2231	M 1
===1	236.0	TFC	Tap Factory Capped	2290	NA
	238.1	TFC	Tap Factory Capped	2325	NA
	240.2	TFC	Tap Factory Capped	2357	NA
	242.2	TFC	Tap Factory Capped	2391	NA
	242.6	CM(S07)	Crack Multiple	2405	S 3
/	244.1	TFC	Tap Factory Capped	2421	NA
	244.8	DAE(F02)	Deposits Attached Encrustation	2436	M 2
	244.8	DSF(F03)	Deposits Settled Fine	2444	M 2
	/ 244.8	RFJ(F11)	Roots Fine Joint	2458	M 1
	247.1	AMH	Manhole	2588	NA
03-0	12				



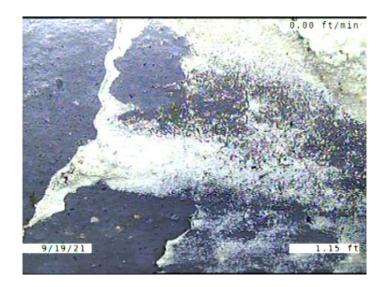
Code:	AMH
Description:	Manhole
Distance (ft):	0
Distance (ft):	.0
Structural Grade:	0
O&M Grade:	0
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	NO
Remarks:	M-503-014



Code: Description:	MWL Miscellaneous Water Level
Distance (ft): Structural Grade: O&M Grade: Clock Start/From: Clock To: 1st Value: 2nd Value: Value Percent:	.0 0 0 5.000
Continuous Index: Within 8" of Joint: Remarks:	ΝΟ



СМ
Crack Multiple
1.2
3
0
12
12
S01
YES



Code:	DAE
Description:	Deposits Attached Encrustation
Distance (ft): Structural Grade: O&M Grade: Clock Start/From: Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: Remarks:	1.2 0 2 7 5 5.000 \$02 YES



Code: Description:	MWLS Miscellaneous Water Level Sag
Distance (ft):	9.5
Structural Grade:	2
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:	



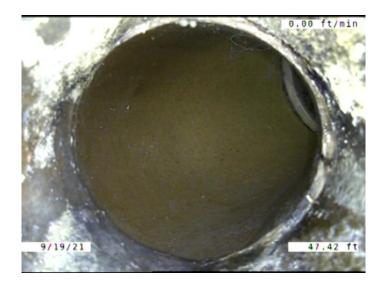
Code: Description:	TFD Tap Factory Defective
Distance (ft):	27.3
Structural Grade:	0
O&M Grade:	3
Clock Start/From:	1
Clock To:	
1st Value:	4.000
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	CAPPED. LEAKING AROUND THE CAP



Code:	TFD
Description:	Tap Factory Defective
Distance (ft):	29.2
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. LEAKING AROUND THE CAP



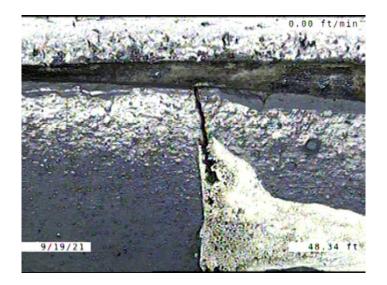
Code:	DSF
Description:	Deposits Settled Fine
Distance (ft): Structural Grade: O&M Grade: Clock Start/From: Clock To: 1st Value: 2nd Value: Value Percent:	30.4 0 2 5 7 5.000
Continuous Index:	S03
Within 8" of Joint:	YES
Remarks:	TP AND RAGS TOO



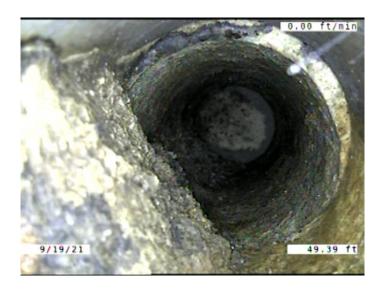
Code:	TF
Description:	Tap Factory
Distance (ft):	47.4
Distance (ft):	47.4
Structural Grade:	0
O&M Grade:	0
Clock Start/From:	1
Clock To:	
1st Value:	4.000
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



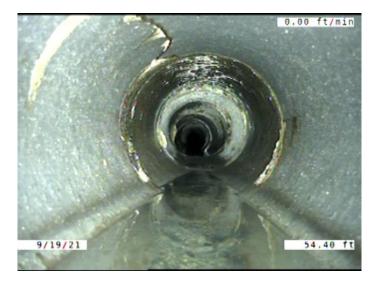
Code: Description:	CM Crack Multiple
Distance (ft): Structural Grade: O&M Grade: Clock Start/From: Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint:	48.3 3 0 12 12 F01 YES
Remarks:	



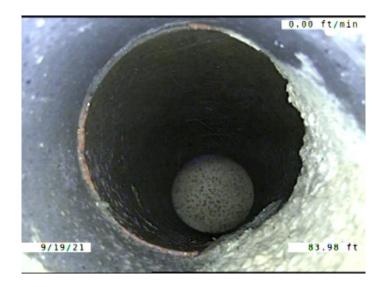
Code:	FM
Description:	Fracture Multiple
	40.2
Distance (ft):	48.3
Structural Grade:	4
O&M Grade:	0
Clock Start/From:	12
Clock To:	12
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	S04
Within 8" of Joint:	YES
Remarks:	



Code: Description:	TFD Tap Factory Defective
Distance (ft):	49.4
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:	LOOKS TO BE CAPPED



MWLS Miscellaneous Water Level Sag
54.4
2
0
5.000
NO



Code: Description:	TFC Tap Factory Capped
Distance (ft): Structural Grade: O&M Grade: Clock Start/From: Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: Remarks:	84.0 0 1 4.000 YES



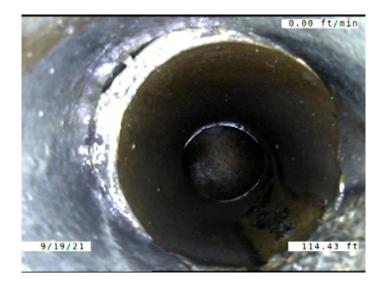
Code: Description:	BSV Broken Soil Visible
Distance (ft):	101.7
Structural Grade:	5
O&M Grade:	0
Clock Start/From:	11
Clock To:	4
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	S05
Within 8" of Joint:	YES
Remarks:	



Code: Description:	BSV Broken Soil Visible
Distance (ft): Structural Grade: O&M Grade: Clock Start/From: Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint:	104.7 5 0 11 4
Within 8" of Joint: Remarks:	YES



Code:	В
Description:	Broken
	100.0
Distance (ft):	108.9
Structural Grade:	4
O&M Grade:	0
Clock Start/From:	11
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):	114.4
Structural Grade:	0
O&M Grade:	3
Clock Start/From:	1
Clock To: 1st Value: 2nd Value: Value Percent:	4.000
Value Percent: Continuous Index: Within 8" of Joint: Remarks:	YES CONSTANTLY RUNNING WATER. CONNECTION TO THE MAIN IS LEAKI

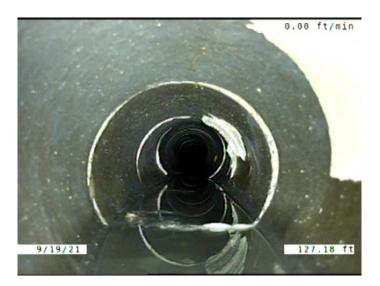


Code: SSS Description: Surface Damage Surface Spalling Distance (ft): 126.3 Structural Grade: 2 O&M Grade: 0 Clock Start/From: 4 Clock To: 7 1st Value: 2nd Value: Value Percent: Continuous Index:

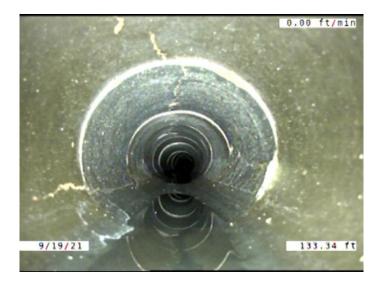
YES

Within 8" of Joint:

Remarks:



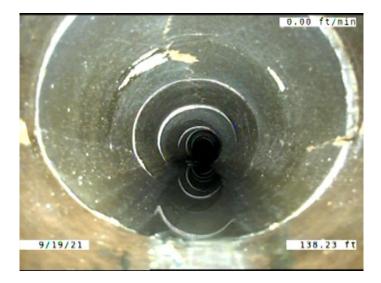
Code: Description:	MWLS Miscellaneous Water Level Sag
Distance (ft):	127.2
Structural Grade:	2
O&M Grade:	0
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	10.000
Continuous Index:	S06
Within 8" of Joint:	NO
Remarks:	



Code:	FM
Description:	Fracture Multiple
Distance (ft):	133.3
Structural Grade:	4
O&M Grade:	0
Clock Start/From:	12
Clock To:	12
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	F04
Within 8" of Joint:	YES
Remarks:	



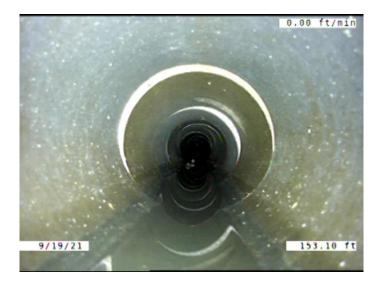
	CM Crack Multiple
Structural Grade:	133.6
O&M Grade:	3
Clock Start/From:	0
Clock To:	7
1st Value:	5
2nd Value:	5
Value Percent:	807
Continuous Index:	NO



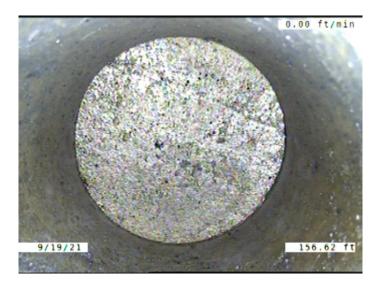
MWLS Miscellaneous Water Level Sag
138.2
2
0
10.000
F06
NO



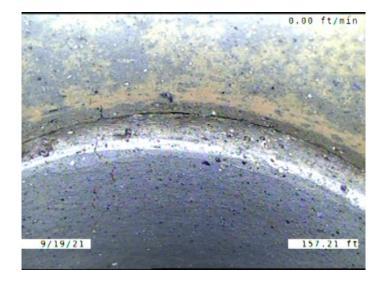
Code: Description:	JOM Joint Offset Medium
Distance (ft): Structural Grade: O&M Grade: Clock Start/From: Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index:	147.1 3 0
Within 8" of Joint: Remarks:	NO



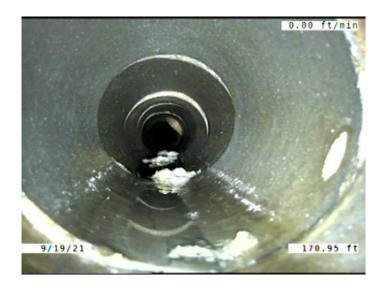
Code: Description:	MWLS Miscellaneous Water Level Sag
Distance (ft):	153.1
Structural Grade:	2
O&M Grade:	0
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	5.000
Continuous Index:	S08
Within 8" of Joint:	NO
Remarks:	



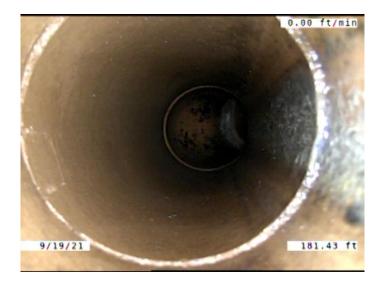
Code: Description:	TFC Tap Factory Capped
Distance (ft): Structural Grade: O&M Grade: Clock Start/From: Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: Remarks:	156.6 0 1 4.000 YES



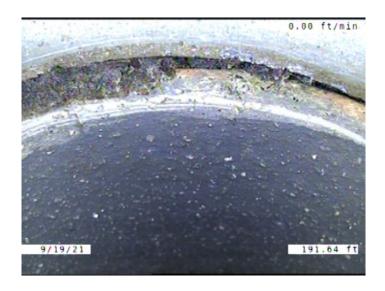
Code: Description:	JOM Joint Offset Medium
Distance (ft):	157.2
Structural Grade:	3
O&M Grade:	0
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	NO
Remarks:	



Code: Description:	MWLS Miscellaneous Water Level Sag
Distance (ft):	170.9
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:	ТВІ
Description:	Tap Break-in Intruding
Distance (ft):	181.4
Structural Grade:	0
O&M Grade:	2
Clock Start/From:	2
Clock To:	
1st Value:	4.000
2nd Value:	2.000
Value Percent:	
Continuous Index:	
Within 8" of Joint:	NO
Remarks:	



Code: Description:	JOM Joint Offset Medium
Distance (ft): Structural Grade: O&M Grade: Clock Start/From: Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index:	191.6 3 0
Within 8" of Joint: Remarks:	NO



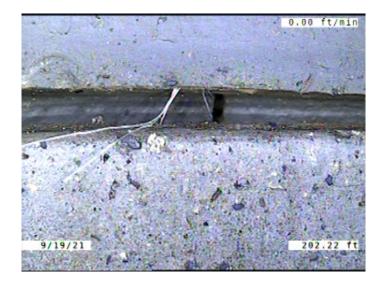
Code:	RFJ
Description:	Roots Fine Joint
Distance (ft):	197.9
Structural Grade:	0
O&M Grade:	1
Clock Start/From:	10
Clock To:	11
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



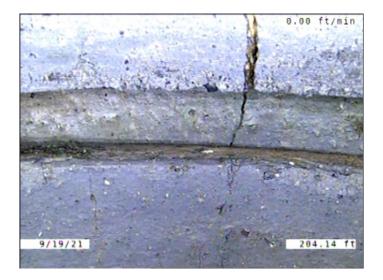
Description: F	L racture Longitudinal
Structural Grade:3O&M Grade:0Clock Start/From:1Clock To:11st Value:22nd Value:2Value Percent:2Continuous Index:5	



Code: Description:	RFJ Roots Fine Joint
Distance (ft):	200.0
Structural Grade:	0
O&M Grade:	1
Clock Start/From:	11
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



Code: Description:	RFJ Roots Fine Joint
Distance (ft):	202.2
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: Description:	FL Fracture Longitudinal
Distance (ft):	204.1
Structural Grade:	3
O&M Grade:	0
Clock Start/From:	12
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	F10
Within 8" of Joint:	NO
Remarks:	



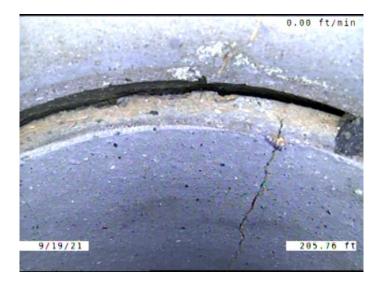
Code: Description:	RFJ Roots Fine Joint
Distance (ft):	204.1
Structural Grade:	0
O&M Grade:	1
Clock Start/From:	7
Clock To:	11
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



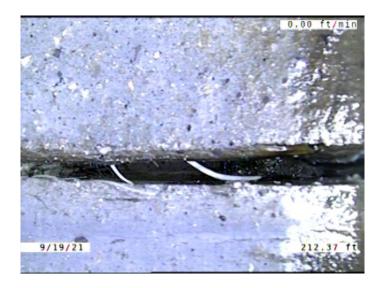
Code: Description:	RFJ Roots Fine Joint
Distance (ft):	204.1
Structural Grade:	0
O&M Grade:	1
Clock Start/From:	2
Clock To:	5
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



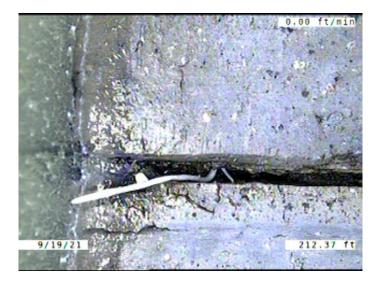
Code: Description:	MWLS Miscellaneous Water Level Sag
Distance (ft):	204.1
Structural Grade:	2
O&M Grade:	0
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	10.000
Continuous Index:	S09
Within 8" of Joint:	NO
Remarks:	



Code: Description:	JOM Joint Offset Medium
Distance (ft):	205.8
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: Description:	RFJ Roots Fine Joint
Distance (ft):	212.4
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):	212.4
Structural Grade:	0
O&M Grade:	1
Clock Start/From:	4
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



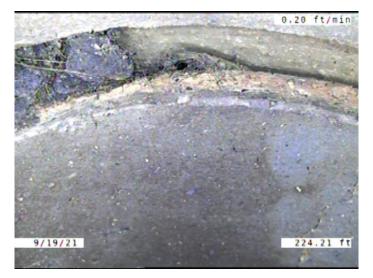
Code: Description:	MWLS Miscellaneous Water Level Sag
Distance (ft):	219.5
Structural Grade:	2
O&M Grade:	0
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	10.000
Continuous Index:	F09
Within 8" of Joint:	NO
Remarks:	



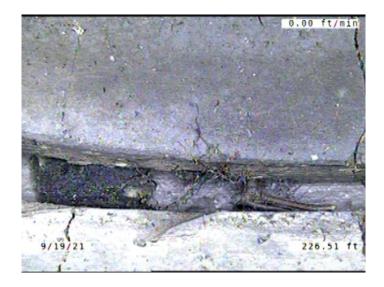
Code:	RFJ
Description:	Roots Fine Joint
Distance (ft):	220.3
Structural Grade:	0
O&M Grade:	1
Clock Start/From:	2
Clock To:	4
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



Code: Description:	RFJ Roots Fine Joint
Distance (ft): Structural Grade: O&M Grade: Clock Start/From: Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint:	220.3 0 1 8 11 S10 YES
Remarks:	



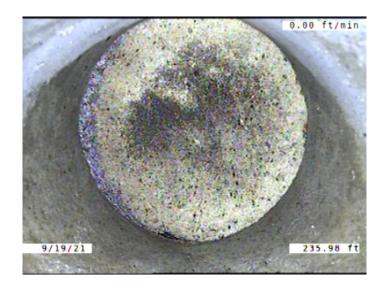
Code: JOMD Description: Joint Offset Medium Defective Distance (ft): 224.2 Structural Grade: 3 O&M Grade: 0 Clock Start/From: Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: NO Remarks:



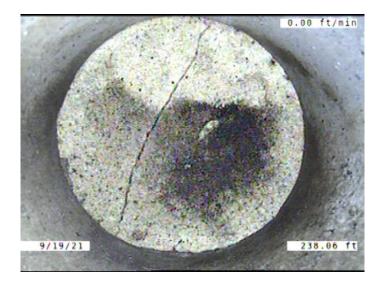
Code: Description:	RFJ Roots Fine Joint
Distance (ft): Structural Grade: O&M Grade: Clock Start/From: Clock To: 1st Value: 2nd Value:	226.5 0 1 8 4
Value Percent: Continuous Index: Within 8" of Joint: Remarks:	S11 YES



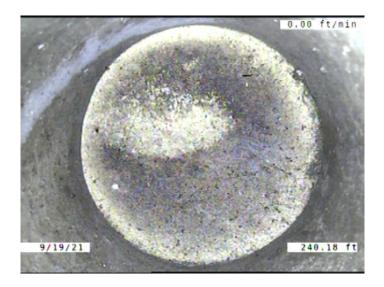
Code:	RFJ
Description:	Roots Fine Joint
	226 5
Distance (ft):	226.5
Structural Grade:	0
O&M Grade:	1
Clock Start/From:	8
Clock To:	11
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	F10
Within 8" of Joint:	YES
Remarks:	



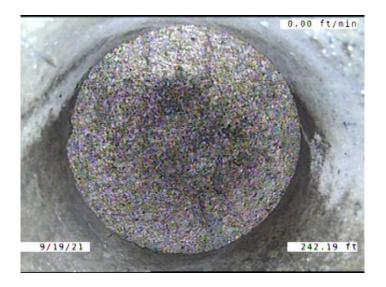
Code: Description:	TFC Tap Factory Capped
Distance (ft): Structural Grade: O&M Grade: Clock Start/From: Clock To: 1st Value: 2nd Value: Value Percent:	236.0 0 0 1 4.000
Continuous Index: Within 8" of Joint: Remarks:	YES



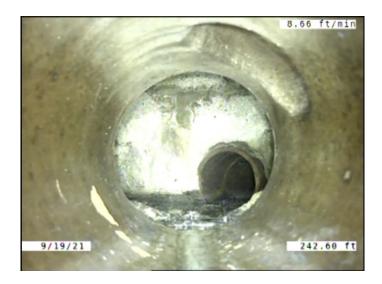
Code:	TFC
Description:	Tap Factory Capped
Distance (ft):	238.1
Structural Grade:	0
O&M Grade:	0
Clock Start/From:	11
Clock To:	
1st Value:	4.000
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	CAP CRACKED



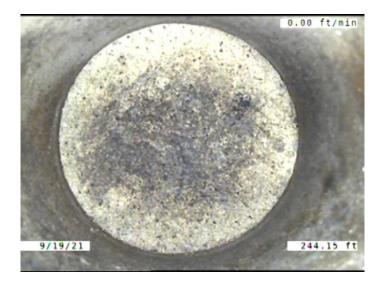
Code: Description:	TFC Tap Factory Capped
Distance (ft): Structural Grade: O&M Grade: Clock Start/From: Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: Remarks:	240.2 0 0 1 4.000 YES



Code:	TFC
Description:	Tap Factory Capped
Distance (ft):	242.2
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:	CM
Description:	Crack Multiple
Distance (ft): Structural Grade: O&M Grade: Clock Start/From: Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: Remarks:	242.6 3 0 7 5 5 807 NO



Code:	TFC
Description:	Tap Factory Capped
Distance (ft):	244.1
Structural Grade:	0
O&M Grade:	0
Clock Start/From:	1
Clock To:	
1st Value:	4.000
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



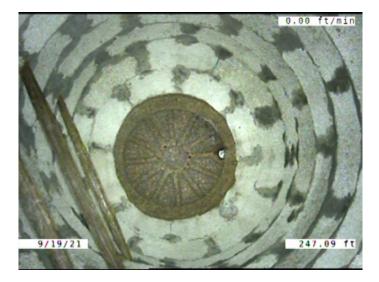
Code:	DAE
Description:	Deposits Attached Encrustation
Distance (ft): Structural Grade: O&M Grade: Clock Start/From: Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: Remarks:	244.8 0 2 7 5 5 5.000 F02 YES



Code:	DSF
Description:	Deposits Settled Fine
Distance (ft):	244.8
Structural Grade:	0
O&M Grade:	2
Clock Start/From:	5
Clock To:	7
1st Value:	
2nd Value:	
Value Percent:	5.000
Continuous Index:	F03
Within 8" of Joint:	YES
Remarks:	TP AND RAGS TOO



Code: Description:	RFJ Roots Fine Joint
Distance (ft): Structural Grade: O&M Grade: Clock Start/From: Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: Remarks:	244.8 O 1 8 4 F11 YES



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: Remarks:	NO M-503-012