Profile/Photo Observation Report

-		-			ROBOTICS
Date:	09/20/2021	Weather:		Coding:	PACP 7.0
Pipe Length (ft):	180.0	Owner:	City of Hobart	Pre Clean:	Heavy Cleaning
P.O.#:	YES502259	Surveyor:	S. Bucklin	PSR:	P-503-023-022
Customer:	City of Hobart	Clean Date:	09/04/2021	Shape:	С
Street:	West 39th Avenue		Flow Control:	Not Controlled	
City:	Hobart, IN		Year Renewed:		
Location:	Alley		Tape/Media #:		
Purpose:	Routine Assessmer	nt	Dia/Height:	10"	
Use:	Sanitary Sewage Pi	ipe	Material:	VCP	
Drain Area:			Lining:	None	
Category:	NA				
Comment:					
Location Details	:		Direction of Survey:	Upstream	
US MH:	M-503-022	DS MH: N	/I-503-023	Total Length Surveyed (ft):	145.7
0&M Index:	2.00	O&M Quick:	4134	O&M Rating:	84.00
tructural Index:	2.71	Structural Quic	k: 4439	Structural Rating:	65.00
verall Index:	2.26	Overall Quick:	453A	Overall Rating:	149.00

	Position	Code	Observation	Video (sec)	Grade
M(503-)	023				
\mathbf{i}	0.	AMH	Manhole	2	NA
- 11	.0	MWL	Miscellaneous Water Level	61	NA
	\ <u>.</u> 0	DSF(S01)	Deposits Settled Fine	68	M 2
	8.9	SZ	Surface Damage Other	129	NA
- 11	11.0	SSS	Surface Damage Surface Spalling	159	S 2
- 11	11.0	СМ	Crack Multiple	182	S 3
- 11	12.8	SSS	Surface Damage Surface Spalling	217	S 2
- 11	26.5	TFD	Tap Factory Defective	295	M 3
	27.1	CL	Crack Longitudinal	322	S 2
5	27.2	SZ	Surface Damage Other	341	NA
ecti	28.6	TFD	Tap Factory Defective	372	M 3
Camera Direction	37.7	SSS	Surface Damage Surface Spalling	431	S 2
uera	45.8	В	Broken	515	S 4
Car	/49.0	SSS	Surface Damage Surface Spalling	552	S 2
	//63.7	TFC	Tap Factory Capped	643	NA
	64.2	JOM	Joint Offset Medium	663	S 3
↓ T	65.7	TFC	Tap Factory Capped	691	NA
	72.7	OBJ	Obstruction Wedged In The Joint	789	M 2
	74.2	SSS	Surface Damage Surface Spalling	833	S 2

Thursday, December 30, 2021

RedZone[®]

74.6	FM	Fracture Multiple	883	S 4
76.8	CS	Crack Spiral	0	S 2
77.8	TFD	Tap Factory Defective	2	M
78.0	FM	Fracture Multiple	34	S 4
	SSS	Surface Damage Surface Spalling	118	S 2
85.4	TBI	Tap Break-in Intruding	134	M
//92.1	JOM	Joint Offset Medium	176	S 3
// 97.7	SSS	Surface Damage Surface Spalling	232	S 2
//103.8	TFC	Tap Factory Capped	276	NA
///106.6	SSS	Surface Damage Surface Spalling	306	S 2
////108.9	CM	Crack Multiple	349	S 3
112.3	MMC	Miscellaneous Material Change	400	NA
113.5	TF	Tap Factory	427	NA
117.0	MMC	Miscellaneous Material Change	485	NA
118.8	CM(S02)	Crack Multiple	532	S 3
118.8	RFJ	Roots Fine Joint	564	М
123.7	SSS	Surface Damage Surface Spalling	623	S 2
	RFJ	Roots Fine Joint	660	M
127.3	В	Broken	701	S 4
J /// 127.3	RFJ	Roots Fine Joint	732	Μ
/// 129.3	RFJ(S03)	Roots Fine Joint	778	M
136.4	TF	Tap Factory	842	NA
//138.3	TFD	Tap Factory Defective	869	M
//144.3	CM(F02)	Crack Multiple	924	S 3
///144.3	RFJ(F03)	Roots Fine Joint	939	Μ
_/ // 144.3	DSF(F01)	Deposits Settled Fine	947	M
145.0	RBJ	Roots Ball Joint	973	M
145.7	MSA	Miscellaneous Survey Abandoned	989	NA



Code:	АМН
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-503-023



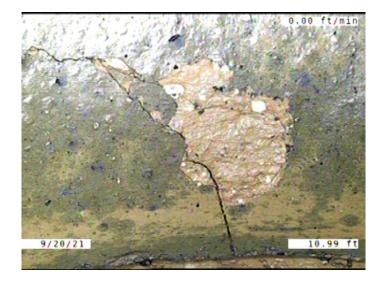
Code: Description:	MWL Miscellaneous Water Level
Distance (ft):	.0
Structural Grade:	0
O&M Grade:	0
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	5.000
Continuous Index:	
Within 8" of Joint:	NO
Remarks:	



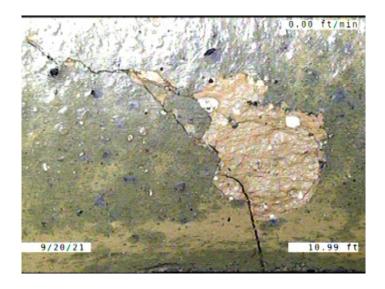
Code:	DSF Deposits Settled Fine
Description:	Deposits Settled Fille
Distance (ft):	.0
Structural Grade:	0
O&M Grade:	2
e dani e dadei	-
Clock Start/From:	5
Clock To:	7
1st Value:	
2nd Value:	
Value Percent:	5.000
Continuous Index:	S01
Within 8" of Joint:	YES
Remarks:	



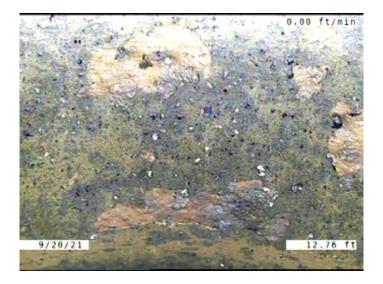
Code:	SZ
Description:	Surface Damage Other
Distance (ft): Structural Grade: O&M Grade: Clock Start/From: Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: Remarks:	8.9 0 12 1 YES A PIECE CHIPPED AWAY FROM THE JOINT



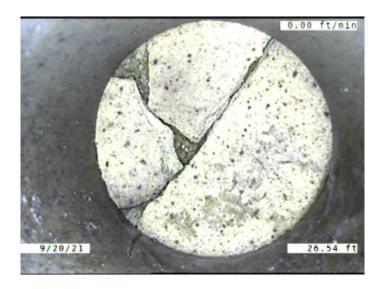
Code: Description:	SSS Surface Damage Surface Spalling
Distance (ft):	11.0
Structural Grade:	2
O&M Grade:	0
Clock Start/From:	9
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES



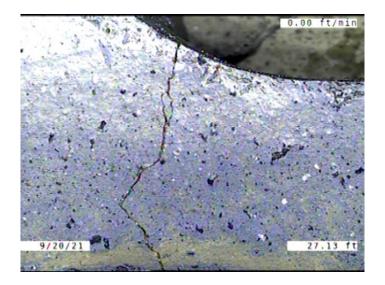
Code: Description:	CM Crack Multiple
Distance (ft):	11.0
Structural Grade:	3
O&M Grade:	0
Clock Start/From:	8
Clock To:	9
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



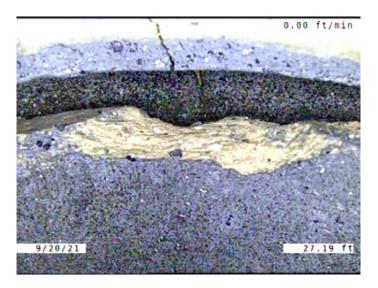
Code: Description:	SSS Surface Damage Surface Spalling
Distance (ft):	12.8
Structural Grade:	2
O&M Grade:	0
Clock Start/From:	12
Clock To:	2
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



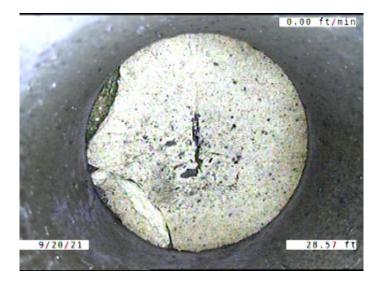
Code:	TFD
Description:	Tap Factory Defective
Distance (ft):	26.5
Structural Grade:	0
O&M Grade:	3
Clock Start/From: Clock To: 1st Value: 2nd Value:	1 4.000
Value Percent: Continuous Index: Within 8" of Joint: Remarks:	YES CAP BROKEN



Code: Description:	CL Crack Longitudinal
Distance (ft):	27.1
Structural Grade:	2
O&M Grade:	0
Clock Start/From:	1
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



Code: SZ Description: Surfa	ce Damage Other
Distance (ft):27.2Structural Grade:0O&M Grade:0Clock Start/From:1Clock To:11st Value:22nd Value:Value Percent:Value Percent:Continuous Index:Within 8" of Joint:YESRemarks:A PIEJOIN	CE CHIPPED AWAY FROM THE T



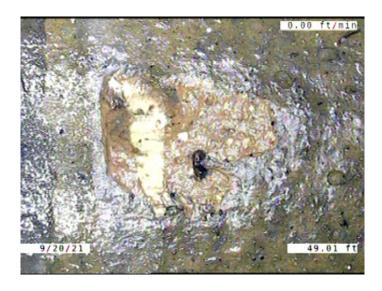
Code:	TFD
Description:	Tap Factory Defective
	20.6
Distance (ft):	28.6
Structural Grade:	0
O&M Grade:	3
Clock Start/From:	11
Clock To:	
1st Value:	4.000
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	CAP BROKEN



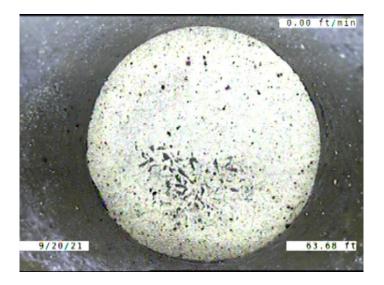
Code: Description:	SSS Surface Damage Surface Spalling
Distance (ft): Structural Grade: O&M Grade: Clock Start/From: Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: Remarks:	37.7 2 0 4 YES



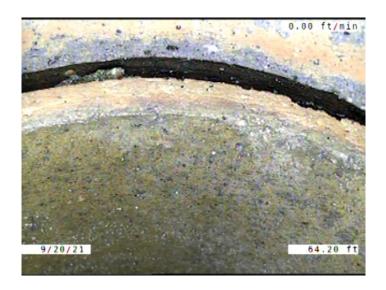
Code:	В
Description:	Broken
Distance (ft):	45.8
Structural Grade:	4
O&M Grade:	0
Clock Start/From:	4
Clock To:	8
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



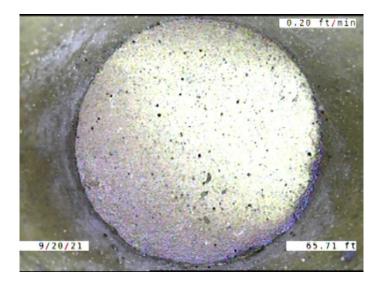
Code: Description:	SSS Surface Damage Surface Spalling
Distance (ft): Structural Grade: O&M Grade: Clock Start/From: Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: Remarks:	49.0 2 0 4 5



TFC Tap Factory Capped
63.7
0
0
1
4.000
YES



Code: Description:	JOM Joint Offset Medium
Distance (ft):	64.2
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:	



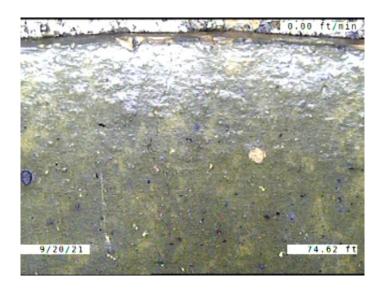
Code: Description:	TFC Tap Factory Capped
Distance (ft):	65.7
Structural Grade:	0
O&M Grade:	0
Clock Start/From:	11
Clock To:	
1st Value:	4.000
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



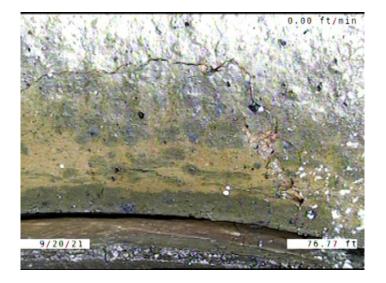
Code:	OBJ
Description:	Obstruction Wedged In The Joint
Distance (ft): Structural Grade: O&M Grade: Clock Start/From: Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index:	72.7 0 2 4 8 5.000
Within 8" of Joint:	YES
Remarks:	STICK



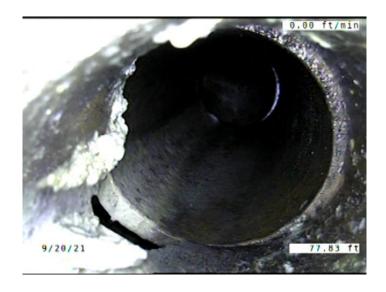
Code: Description:	SSS Surface Damage Surface Spalling
Distance (ft):	74.2
Structural Grade:	2
O&M Grade:	0
Clock Start/From:	3
Clock To:	4
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES



Code: Description:	FM Fracture Multiple
Distance (ft):	74.6
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:	



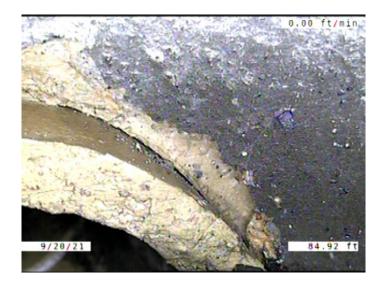
Code:	CS
Description:	Crack Spiral
Distance (ft):	76.8
Structural Grade:	2
O&M Grade:	0
Clock Start/From:	1
Clock To:	4
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



Code: Description:	TFD Tap Factory Defective
Distance (ft):	77.8
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:	SOIL VISIBLE



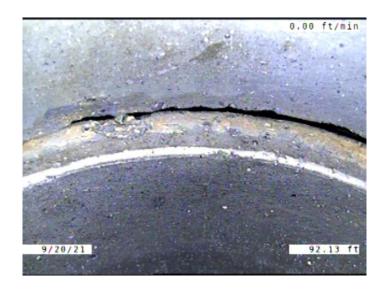
Code: Description:	FM Fracture Multiple
Distance (ft):	78.0
Distance (ft): Structural Grade:	4
O&M Grade:	0
Clock Start/From:	10
Clock To:	11
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



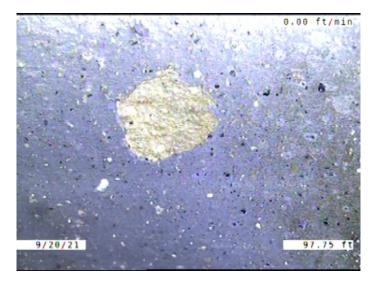
Code:	SSS
Description:	Surface Damage Surface Spalling
Distance (ft): Structural Grade: O&M Grade: Clock Start/From: Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: Remarks:	84.9 2 0 1 3 YES



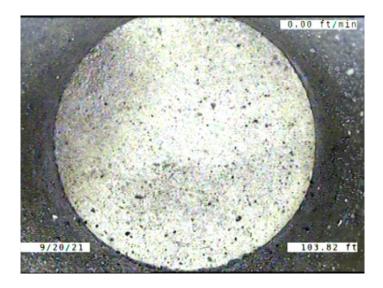
Code: Description:	TBI Tap Break-in Intruding
Distance (ft):	85.4
Structural Grade:	0
O&M Grade:	2
Clock Start/From:	1
Clock To:	
1st Value:	4.000
2nd Value:	1.000
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



Code: Description:	JOM Joint Offset Medium
Distance (ft):	92.1
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:	



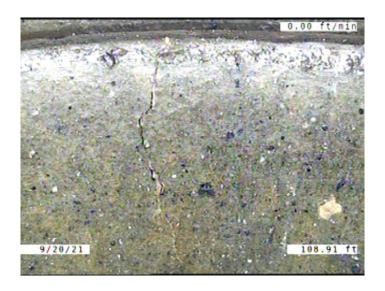
SSS Surface Damage Surface Spalling
97.7
2
0
3
YES



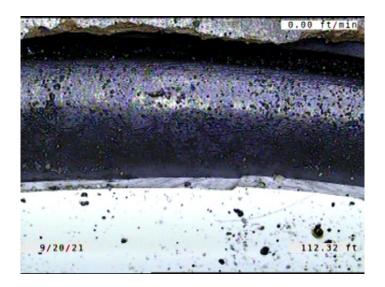
Code: Description:	TFC Tap Factory Capped
Distance (ft): Structural Grade: O&M Grade: Clock Start/From: Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: Remarks:	103.8 0 0 1 4.000 YES



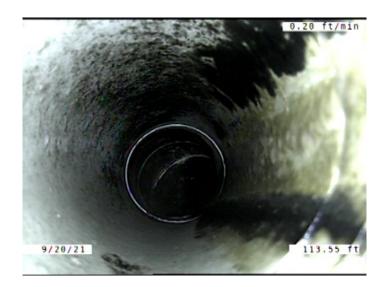
Code: SSS Description: Surface Damage Surface Spalling Distance (ft): 106.6 Structural Grade: 2 O&M Grade: 0 Clock Start/From: 3 Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: YES



Code: Description:	CM Crack Multiple
Distance (ft):	108.9
Structural Grade:	3
O&M Grade:	0
Clock Start/From:	11
Clock To:	12
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	

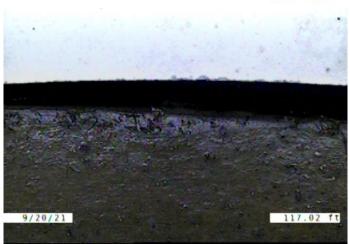


Code: Description:	MMC Miscellaneous Material Change
Distance (ft):	112.3
Structural Grade:	0
O&M Grade:	0
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	NO
Remarks:	VCP TO PVC

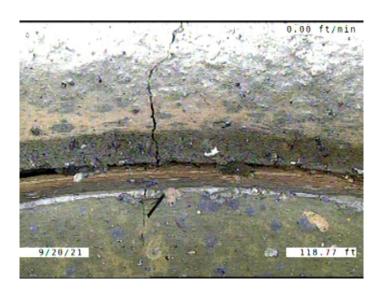


Code: Description:	TF Tap Factory
Distance (ft): Structural Grade: O&M Grade: Clock Start/From: Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint:	113.5 0 0 1 4.000 YES
Remarks:	

0.00 ft/min

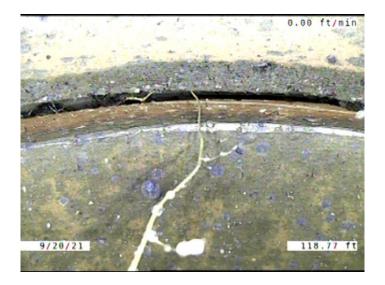


Code: MMC Description: **Miscellaneous Material Change** Distance (ft): 117.0 Structural Grade: 0 O&M Grade: 0 Clock Start/From: Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: NO

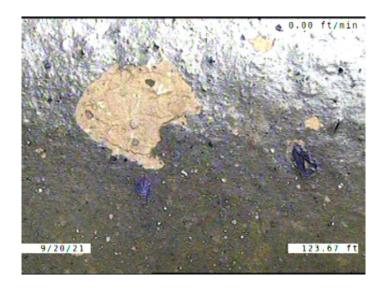


Code: Description:	CM Crack Multiple	
Distance (ft): Structural Grade: O&M Grade: Clock Start/From: Clock To:	118.8 3 0 11 1	
1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: Remarks:	S02 YES	

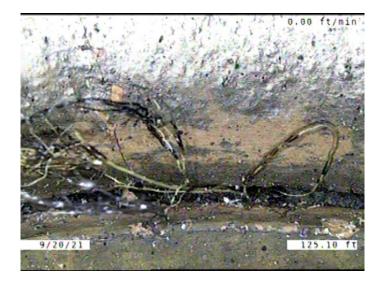
PVC TO VCP



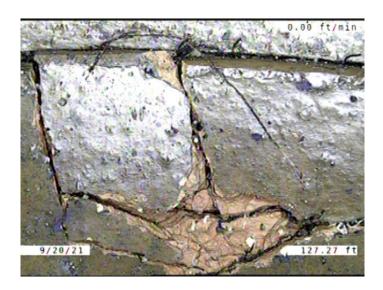
Code: Description:	RFJ Roots Fine Joint
Distance (ft):	118.8
Structural Grade:	0
O&M Grade:	1
Clock Start/From:	10
Clock To:	4
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



	SSS Surface Damage Surface Spalling
Structural Grade: 2 O&M Grade: 2 Clock Start/From: 3 Clock To: 1 St Value: 2 nd Value: Value Percent: Continuous Index:)



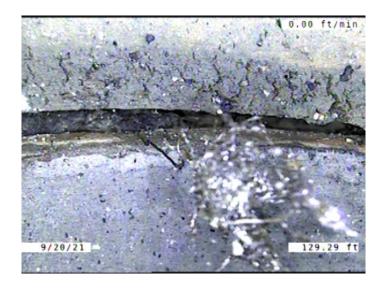
Code:	RFJ
Description:	Roots Fine Joint
Distance (ft):	125.1
Structural Grade:	0
O&M Grade:	1
Clock Start/From:	9
Clock To:	11
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



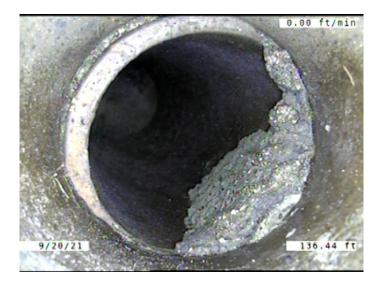
Code: Description:	B Broken
Distance (ft):	127.3
Structural Grade:	4
O&M Grade:	0
Clock Start/From:	2
Clock To:	4
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



Code:	RFJ
Description:	Roots Fine Joint
Distance (ft):	127.3
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:	



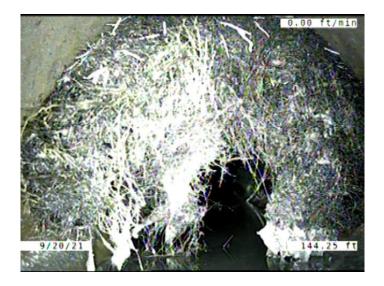
Code: Description:	RFJ Roots Fine Joint
Distance (ft): Structural Grade: O&M Grade: Clock Start/From: Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint:	129.3 0 1 8 3 3 S03 YES
Remarks:	165



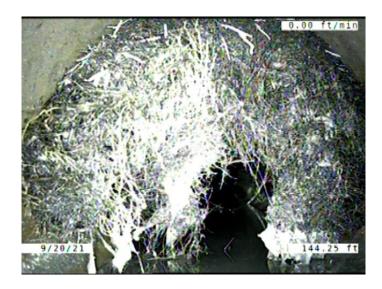
Code:	TF
Description:	Tap Factory
(4)	
Distance (ft):	136.4
Structural Grade:	0
O&M Grade:	0
Clock Start/From:	1
Clock To:	
1st Value:	4.000
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	LOOKS LIKE IT MIGHT BE CAPPED



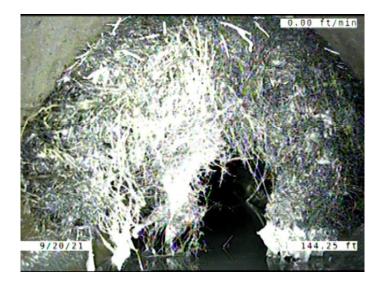
Code:	TFD
Description:	Tap Factory Defective
Distance (ft):	138.3
Structural Grade:	0
O&M Grade:	3
Clock Start/From:	11
Clock To: 1st Value: 2nd Value:	4.000
Value Percent: Continuous Index: Within 8" of Joint: Remarks:	YES ROOTS GROWING IN THE JOINT



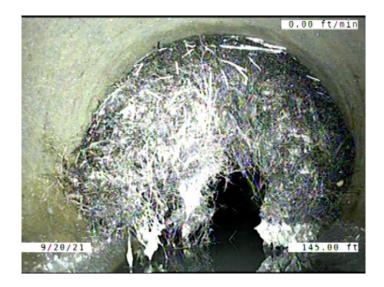
Code:	СМ
Description:	Crack Multiple
Distance (ft):	144.3
Structural Grade:	3
O&M Grade:	0
Clock Start/From:	11
Clock To:	1
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	F02
Within 8" of Joint:	YES
Remarks:	



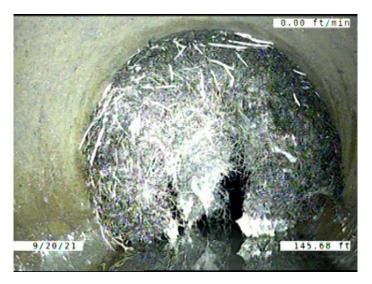
Code: Description:	RFJ Roots Fine Joint
Distance (ft):	144.3
Structural Grade:	0
O&M Grade:	1
Clock Start/From:	8
Clock To:	3
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	F03
Within 8" of Joint:	YES
Remarks:	



Code: Description:	DSF Deposits Settled Fine
Distance (ft):	144.3
Structural Grade:	0
O&M Grade:	2
Clock Start/From:	5
Clock To:	7
1st Value:	
2nd Value:	
Value Percent:	5.000
Continuous Index:	F01
Within 8" of Joint:	YES
Remarks:	



Code: Description:	RBJ Roots Ball Joint
Distance (ft): Structural Grade: O&M Grade: Clock Start/From: Clock To: 1st Value: 2nd Value:	145.0 0 4 8 5
Value Percent: Continuous Index: Within 8" of Joint: Remarks:	95.000 YES



Code:	MSA
Description:	Miscellaneous Survey Abandoned
Distance (ft):	145.7
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:	CAMERA CANT MAKE IT PAST ROOTS. MADE IT TO THE POINT OF