## **Profile/Photo Observation Report**

-		-			ROBOTIC
Date:	09/04/2021	Weather:		Coding:	PACP 7.0
Pipe Length (ft)	: <b>140.3</b>	Owner:	City of Hobart	Pre Clean:	Heavy Cleaning
P.O.#:	YES502259	Surveyor:	S. Bucklin	PSR:	P-504-079-078
Customer:	City of Hobart	Clean Date:	09/04/2021	Shape:	С
Street:	42nd Avenue		Flow Control:	Not Controlled	
City:	Hobart, IN		Year Renewed:		
Location:	Alley		Tape/Media #:		
Purpose:	Routine Assessme	nt	Dia/Height:	12"	
Use:	Sanitary Sewage P	ipe	Material:	VCP	
Drain Area:			Lining:		
Category:	NA				
Comment:					
Location Detail	s:		Direction of Surve	ey: Upstream	
US MH:	M-504-079	DS MH:	M-504-078	Total Length Surveyed (ft)	): <b>140.3</b>
O&M Index:	1.94	O&M Quick:	3128	O&M Rating:	66.00
Structural Index:	3.00	Structural Qu	ick: 4337		36.00
Overall Index:	2.22	Overall Quick	4220		102.00

	Position	Code	Observation	Video (sec)	Grade
M(504	078				
Ĭ	0. //-	AMH	Manhole	1	NA
- 11	.0	MWL	Miscellaneous Water Level	63	NA
	1.5	DAE	Deposits Attached Encrustation	129	M 2
- 11	7.2	TFC	Tap Factory Capped	185	NA
- 88	ן∭7.7	CL	Crack Longitudinal	214	S 2
- 11	7.7	DAE	Deposits Attached Encrustation	230	M 2
- 11	9.2	TFC	Tap Factory Capped	262	NA
	14.3	DAE	Deposits Attached Encrustation	314	M 2
	14.3	FM	Fracture Multiple	344	S 4
£	18.6	DAE(S01)	Deposits Attached Encrustation	410	M 2
Camera Direction	18.6	СМ	Crack Multiple	462	S 3
Di	22.6	JOM	Joint Offset Medium	499	S 3
nera	29.2	JAM	Joint Angular Medium	560	S 3
Car	29.2	СМ	Crack Multiple	596	S 3
	31.3	OBZ	Obstruction Other	626	M 2
	33.1	JOM	Joint Offset Medium	648	S 3
1	35.0	DAE	Deposits Attached Encrustation	724	M 2
	35.3	TBI	Tap Break-in Intruding	744	M 2
	42.4	OBZ	Obstruction Other	788	M 2

Tuesday, April 25, 2023

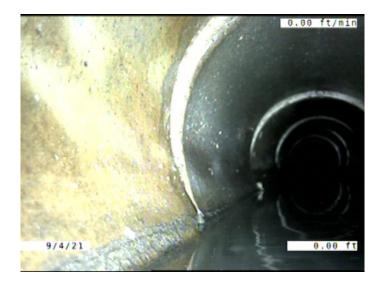
**RedZone**<sup>®</sup>

45.7	TFC	Tap Factory Capped	820	NA
45.7	DAE	Deposits Attached Encrustation	840	M 2
46.4	FM	Fracture Multiple	889	S 4
48.0	TFC	Tap Factory Capped	917	NA
52.9	DAE	Deposits Attached Encrustation	984	M
54.9	СС	Crack Circumferential	1008	S 1
54.9	DAE	Deposits Attached Encrustation	1025	M
71.9	DAE	Deposits Attached Encrustation	1132	M
74.2	DAE	Deposits Attached Encrustation	1167	M
78.5	DAE	Deposits Attached Encrustation	1226	M
80.6	DAE	Deposits Attached Encrustation	1265	M 2
87.7	ISB	Infiltration Stain Barrel	1334	M
88.0	ТВІ	Tap Break-in Intruding	1367	M
90.8	DAE(F01)	Deposits Attached Encrustation	1411	M2
96.5	TFC	Tap Factory Capped	1446	NA
98.8	TFD	Tap Factory Defective	1475	MB
98.9	В	Broken	1503	S 4
101.8	RFJ	Roots Fine Joint	1534	M
103.8	RFJ	Roots Fine Joint	1582	M
114.3	JOM	Joint Offset Medium	1640	S 3
125.3	DAE	Deposits Attached Encrustation	1702	M2
138.2	СМ	Crack Multiple	1782	S 3
140.3	AMH	Manhole	1874	NA

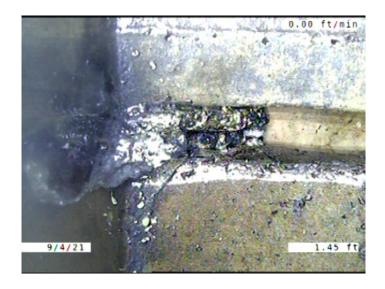
M-504-079



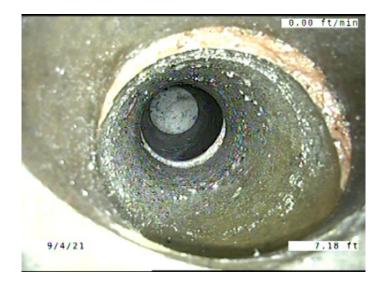
Code: Description:	AMH Manhole
Distance (ft):	.0
Structural Grade:	0
O&M Grade:	0
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	NO
Remarks:	M-504-078



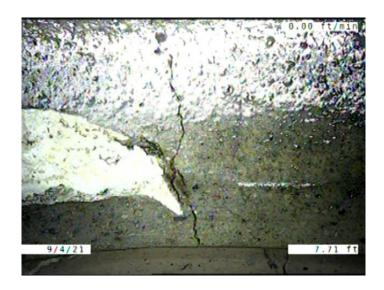
Code: Description:	MWL Miscellaneous Water Level
Distance (ft):	.0
Structural Grade:	0
O&M Grade:	0
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	10.000
Continuous Index:	
Within 8" of Joint:	NO
Remarks:	



Code: Description:	DAE Deposits Attached Encrustation
Distance (ft):	1.5
Structural Grade: O&M Grade:	0 2
Clock Start/From:	8
Clock To:	9
1st Value:	
2nd Value:	
Value Percent:	5.000
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



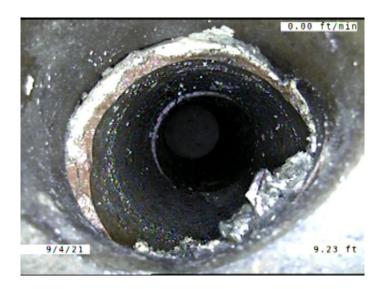
Code:	TFC
Description:	Tap Factory Capped
Distance (ft):	7.2
Structural Grade:	0
O&M Grade:	0
Clock Start/From:	11
Clock To:	
1st Value:	6.000
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	FIRST JOINT BACK OFFSET



Code:	CL
Description:	Crack Longitudinal
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:	7.7 2 0 11 YES



Code: Description:	DAE Deposits Attached Encrustation
Distance (ft):	7.7
Structural Grade:	0
O&M Grade:	2
Clock Start/From:	9
Clock To:	11
1st Value:	
2nd Value:	
Value Percent:	5.000
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



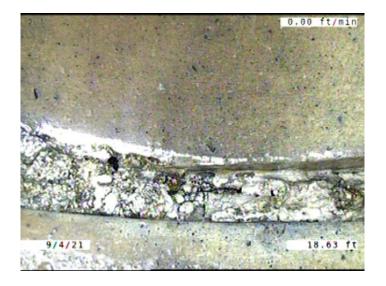
Code: Description:	TFC Tap Factory Capped
Distance (ft): Structural Grade: O&M Grade: Clock Start/From: Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: Remarks:	9.2 0 0 1 6.000 YES FIRST JOINT BACK OFFSET



Code: Description:	DAE Deposits Attached Encrustation
Distance (ft):	14.3
Structural Grade:	0
O&M Grade:	2
Clock Start/From:	2
Clock To:	4
1st Value:	
2nd Value:	
Value Percent:	5.000
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



Code: Description:	FM Fracture 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:	14.3 4 0 11 4
Within 8" of Joint: Remarks:	YES



Code: Description:	DAE Deposits Attached Encrustation
Distance (ft):	18.6
Structural Grade:	0
O&M Grade:	2
Clock Start/From:	2
Clock To:	9
1st Value:	
2nd Value:	
Value Percent:	5.000
Continuous Index:	S01

YES

Within 8" of Joint:

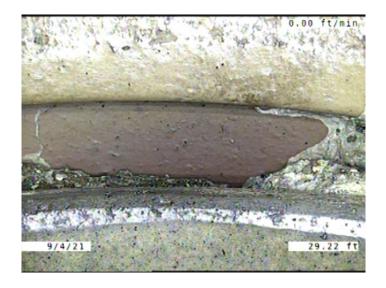
Remarks:



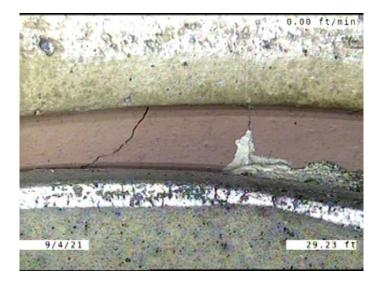
Code: Description:	CM Crack Multiple
Distance (ft):	18.6
Structural Grade:	3
O&M Grade:	0
Clock Start/From:	11
Clock To:	1
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



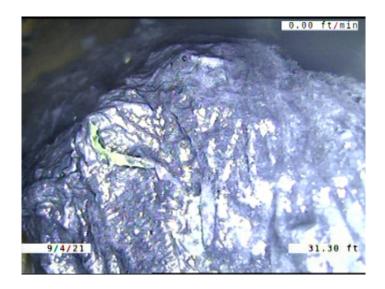
Code: Description:	JOM Joint Offset Medium
Distance (ft):	22.6
Structural Grade:	3
O&M Grade:	0
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	NO
Remarks:	



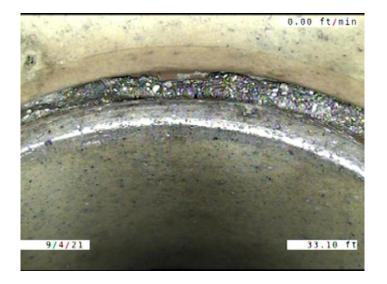
Code: Description:	JAM Joint Angular Medium
Distance (ft):	29.2
Structural Grade:	3
O&M Grade:	0
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	NO
Remarks:	



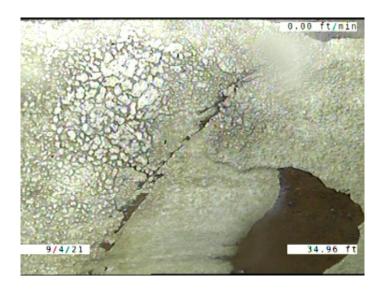
Code:	CM Graels Multiple
Description:	Crack Multiple
Distance (ft):	29.2
Structural Grade:	3
O&M Grade:	0
Clock Start/From:	10
Clock To:	12
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



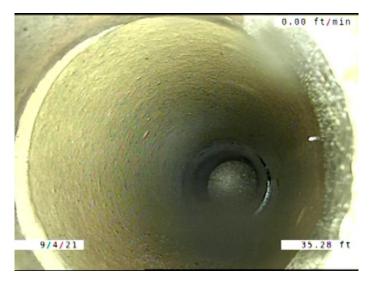
Code: Description:	OBZ Obstruction Other
Distance (ft):	31.3
Structural Grade:	0
O&M Grade:	2
Clock Start/From:	6
Clock To:	8
1st Value:	
2nd Value:	
Value Percent:	5.000
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	TP AND RAGS



JOM Joint Offset Medium
33.1
3
0
NO



Code: Description:	DAE Deposits Attached Encrustation
Distance (ft): Structural Grade: O&M Grade: Clock Start/From: Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index:	35.0 0 2 9 3 5.000
Within 8" of Joint: Remarks:	YES



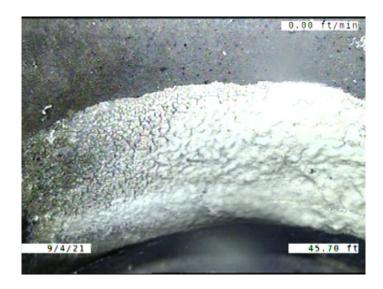
Code:	тві
Description:	Tap Break-in Intruding
Distance (ft):	35.3
Structural Grade:	0
O&M Grade:	2
Clock Start/From:	12
Clock To:	
1st Value:	6.000
2nd Value:	2.000
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	CONSTANTLY RUNNING WATER.
	LOOKS TO BE CAPPED



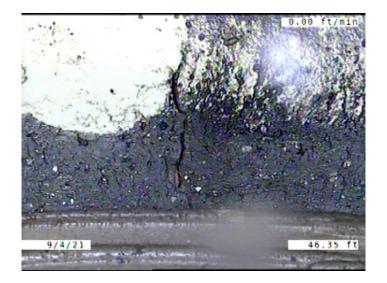
Code:	OBZ
Description:	Obstruction Other
Distance (ft): Structural Grade: O&M Grade: Clock Start/From: Clock To: 1st Value: 2nd Value:	42.4 0 2 5 7
Value Percent:	5.000
Continuous Index:	YES
Within 8" of Joint:	ROOTS THAT FLOATED DOWN THE
Remarks:	LINE



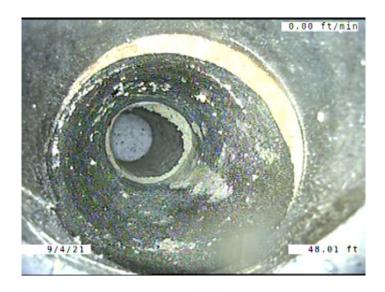
TFC Tap Factory Capped
45.7
0
0
11
6.000
YES



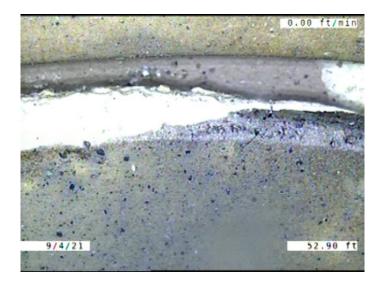
Code: Description:	DAE Deposits Attached Encrustation
Distance (ft): Structural Grade: O&M Grade: Clock Start/From: Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint:	45.7 0 2 8 11 5.000 YES
Remarks:	



Code:	FM
Description:	Fracture Multiple
Distance (ft):	46.4
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:	



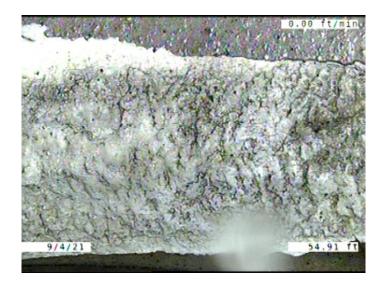
Code: Description:	TFC Tap Factory Capped
Distance (ft):	48.0
Structural Grade:	0
O&M Grade:	0
Clock Start/From:	1
Clock To:	
1st Value:	6.000
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	FIRST JOINT BACK OFFSET



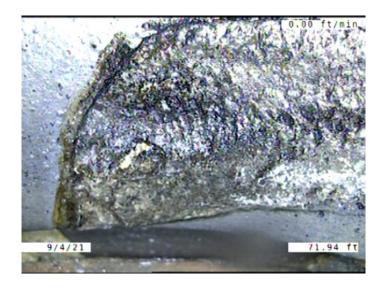
Code: Description:	DAE Deposits Attached Encrustation
Distance (ft):	52.9
Structural Grade:	0
O&M Grade:	2
Clock Start/From:	8
Clock To:	4
1st Value:	
2nd Value:	
Value Percent:	5.000
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



	CC Crack Circumferential
Structural Grade: O&M Grade: Clock Start/From: Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index:	54.9 1 0 11 1 YES



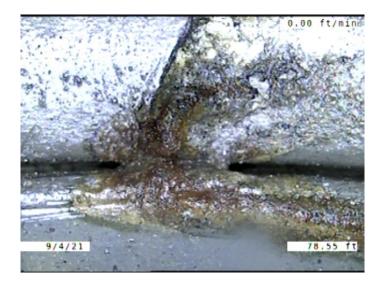
Code: Description:	DAE Deposits Attached Encrustation
Distance (ft):	54.9
Structural Grade:	0
O&M Grade:	2
Clock Start/From:	10
Clock To:	4
1st Value:	
2nd Value:	
Value Percent:	5.000
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



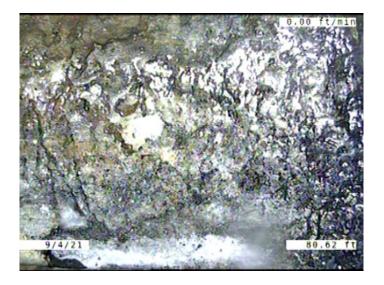
Distance (ft):71.9Structural Grade:0O&M Grade:2Clock Start/From:2Clock To:41st Value:2nd Value:Value Percent:5.000Continuous Index:Within 8" of Joint:YES	Code: Description:	DAE Deposits Attached Encrustation
Remarks:	Structural Grade: O&M Grade: Clock Start/From: Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint:	0 2 2 4



Code: Description:	DAE Deposits Attached Encrustation
Distance (ft):	74.2
Structural Grade:	0
O&M Grade:	2
Clock Start/From:	9
Clock To:	12
1st Value:	
2nd Value:	
Value Percent:	5.000
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



Code: Description:	DAE Deposits Attached Encrustation
Distance (ft): Structural Grade: O&M Grade: Clock Start/From: Clock To: 1st Value: 2nd Value: Value Percent:	78.5 0 2 12 4
Continuous Index: Within 8" of Joint: Remarks:	YES



Code: Description:	DAE Deposits Attached Encrustation
Distance (ft):	80.6
Structural Grade:	0
O&M Grade:	2
Clock Start/From:	12
Clock To:	4
1st Value:	
2nd Value:	
Value Percent:	5.000
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



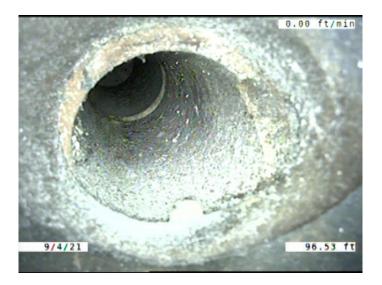
Code: Description:	ISB Infiltration Stain Barrel
Distance (ft): Structural Grade: O&M Grade: Clock Start/From: Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: Remarks:	87.7 0 1 2 4 YES



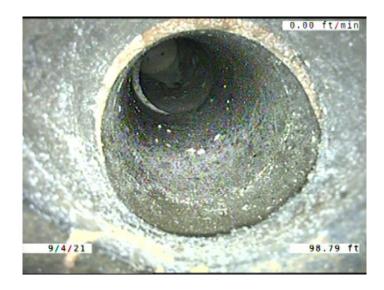
Code:	тві
Description:	Tap Break-in Intruding
Distance (ft):	88.0
Structural Grade:	0
O&M Grade:	2
Clock Start/From:	1
Clock To:	
1st Value:	6.000
2nd Value:	3.000
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	SECOND JOINT BACK OFFSET.
	CONSTANTLY RUNNING WATER. LO



Code: Description:	DAE Deposits Attached Encrustation
Distance (ft): Structural Grade: O&M Grade: Clock Start/From: Clock To: 1st Value: 2nd Value:	90.8 0 2 2 9
Value Percent: Continuous Index: Within 8" of Joint: Remarks:	5.000 F01 YES



TFC
Tap Factory Capped
96.5
0
0
12
6.000
YES
FIRST JOINT BACK OFFSET. LOOKS TO BE CAPPED



Code:	TFD
Description:	Tap Factory Defective
Distance (ft):	98.8
Structural Grade:	0
O&M Grade:	3
Clock Start/From:	1
Clock To: 1st Value: 2nd Value: Value Percent:	6.000
Continuous Index:	YES
Within 8" of Joint:	FIRST JOINT BACK OFFSET. LOOKS TO
Remarks:	BE CAPPED



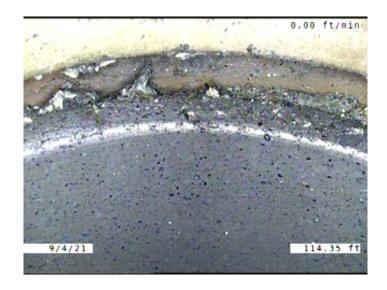
Code:	В
Description:	Broken
Distance (ft):	98.9
Distance (It).	30.3
Structural Grade:	4
O&M Grade:	0
Clock Start/From:	12
Clock To:	1
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



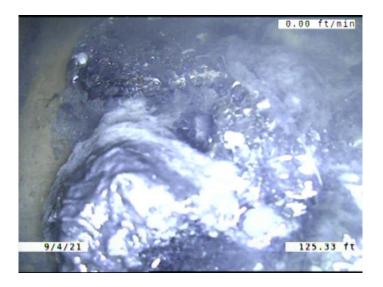
RFJ Roots Fine Joint
101.8
0
1
3
YES



RFJ Roots Fine Joint
103.8
0
1
2
3
YES

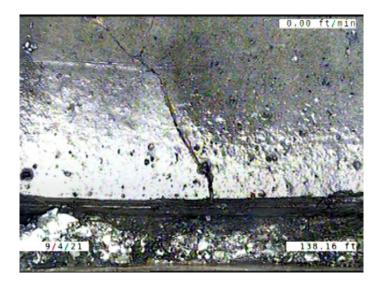


Code: Description:	JOM Joint Offset Medium
Distance (ft):	114.3
Structural Grade:	3
O&M Grade:	0
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	NO
Remarks:	

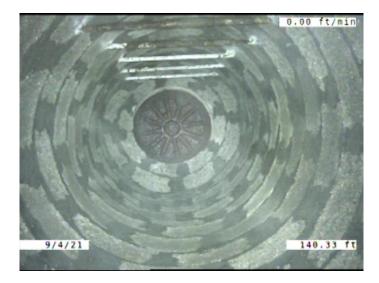


Code: Description:	DAE Deposits Attached Encrustation
Distance (ft):	125.3
Structural Grade:	0
O&M Grade:	2
Clock Start/From:	7
Clock To:	8
1st Value:	
2nd Value:	
Value Percent:	5.000
Continuous Index:	
Within 8" of Joint:	YES

Remarks:



Code: Description:	CM Crack Multiple
Distance (ft):	138.2
Structural Grade:	3
O&M Grade:	0
Clock Start/From:	4
Clock To:	5
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



Code: Description:	AMH Manhole
Distance (ft):	140.3
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:	M-504-079