

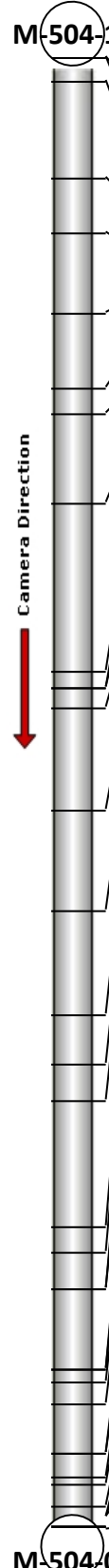
## Profile/Photo Observation Report

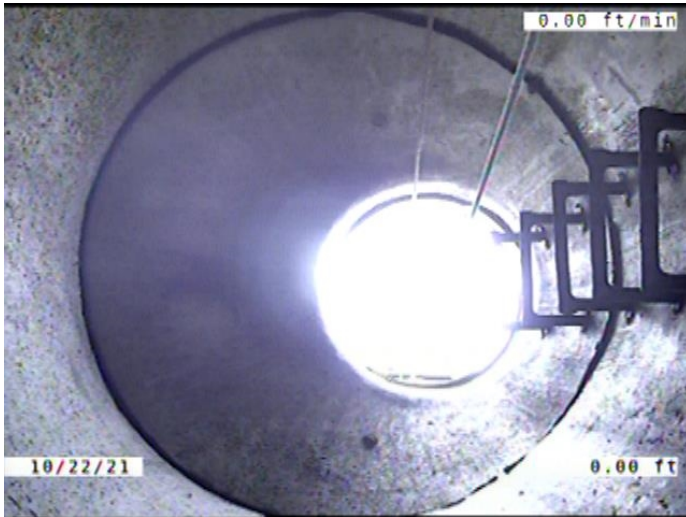


Date:	<b>10/22/2021</b>	Weather:		Coding:	<b>PACP 7.0</b>
Pipe Length (ft):	<b>191.0</b>	Owner:	<b>City of Hobart</b>	Pre Clean:	<b>Heavy Cleaning</b>
P.O.#:	<b>YES502259</b>	Surveyor:	<b>S. Bucklin</b>	PSR:	<b>P-504-130-087</b>
Customer:	<b>City of Hobart</b>	Clean Date:	<b>08/29/2021</b>	Shape:	<b>C</b>

Street:	<b>West 42nd Avenue</b>	Flow Control:	<b>Not Controlled</b>
City:	<b>Hobart, IN</b>	Year Renewed:	
Location:	<b>Alley</b>	Tape/Media #:	
Purpose:	<b>Routine Assessment</b>	Dia/Height:	<b>12"</b>
Use:	<b>Sanitary Sewage Pipe</b>	Material:	<b>VCP</b>
Drain Area:		Lining:	<b>None</b>
Category:	<b>NA</b>		
Comment:			
Location Details:		Direction of Survey:	<b>Upstream</b>
US MH:	<b>M-504-087</b>	DS MH:	<b>M-504-130</b>
		Total Length Surveyed (ft):	<b>147.3</b>

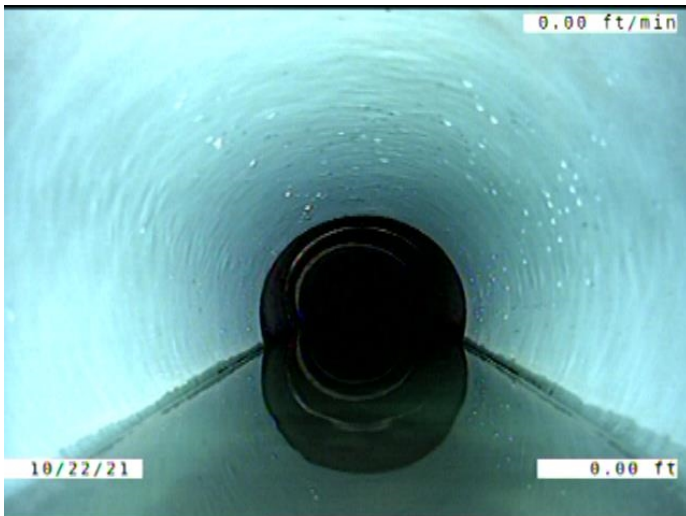
O&M Index:	<b>2.35</b>	O&M Quick:	<b>413A</b>	O&M Rating:	<b>47.00</b>
Structural Index:	<b>3.82</b>	Structural Quick:	<b>4E33</b>	Structural Rating:	<b>145.00</b>
Overall Index:	<b>3.31</b>	Overall Quick:	<b>4E3A</b>	Overall Rating:	<b>192.00</b>

	Position	Code	Observation	Video (sec)	Grade
	.0	AMH	Manhole	1	NA
	.0	MWL	Miscellaneous Water Level	60	NA
	3.4	FM(S01)	Fracture Multiple	148	S 4
	13.1	TBD	Tap Break-in/Hammer Defective	217	M 3
	18.7	DR(S02)	Deformed Rigid	272	S 4
	26.8	TFD	Tap Factory Defective	384	M 3
	34.3	DR(F02)	Deformed Rigid	446	S 4
	36.8	TFD	Tap Factory Defective	469	M 3
	45.7	TBD	Tap Break-in/Hammer Defective	562	M 3
	62.5	RFJ	Roots Fine Joint	661	M 1
	64.2	DR	Deformed Rigid	689	S 4
	64.2	SSS	Surface Damage Surface Spalling	691	S 2
	66.3	JOM	Joint Offset Medium	722	S 3
	76.4	TFC	Tap Factory Capped	814	NA
	86.6	TFD	Tap Factory Defective	883	M 3
	96.9	TBI	Tap Break-in Intruding	984	M 2
	102.0	SZ	Surface Damage Other	1059	NA
	105.6	JAM	Joint Angular Medium	1114	S 3
	118.2	JOMD	Joint Offset Medium Defective	1254	S 3
	120.7	SSS	Surface Damage Surface Spalling	1287	S 2
	124.5	RFJ(S03)	Roots Fine Joint	1324	M 1
	124.5	RFJ(S04)	Roots Fine Joint	1348	M 1
	132.5	RMJ(S05)	Roots Medium Joint	1425	M 3
	132.5	RFJ(F03)	Roots Fine Joint	1435	M 1
	133.8	TFD	Tap Factory Defective	1459	M 3
	135.9	TFC	Tap Factory Capped	1492	NA
	140.9	RMJ(S06)	Roots Medium Joint	1527	M 3
	140.9	RFJ(F04)	Roots Fine Joint	1539	M 1
	143.3	RMC	Roots Medium Connection	1572	M 3
	144.0	TBI	Tap Break-in Intruding	1594	M 2
	146.2	RBJ	Roots Ball Joint	1635	M 4
	147.3	FM(F01)	Fracture Multiple	1685	S 4
	147.3	RMJ(F05)	Roots Medium Joint	1701	M 3
	147.3	RMJ(F06)	Roots Medium Joint	1709	M 3
	147.3	MSA	Miscellaneous Survey Abandoned	1720	NA



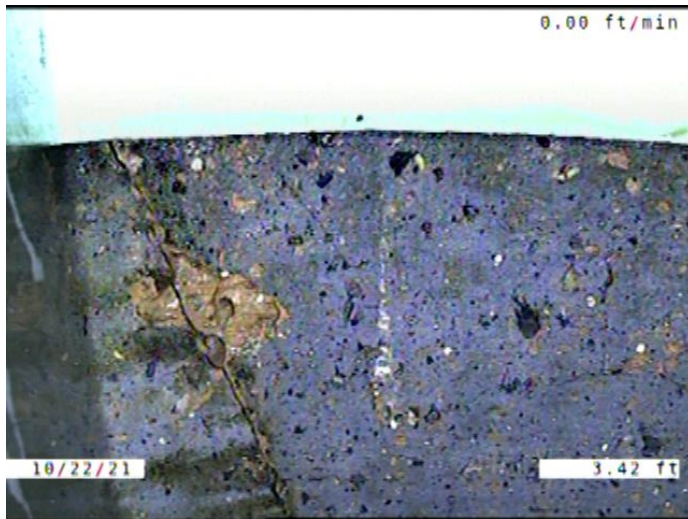
Code: **AMH**  
 Description: **Manhole**

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-504-130**



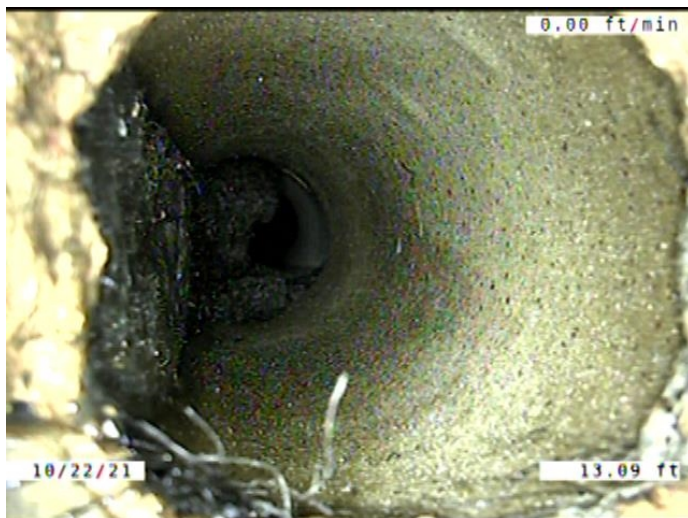
Code: **MWL**  
 Description: **Miscellaneous Water Level**

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



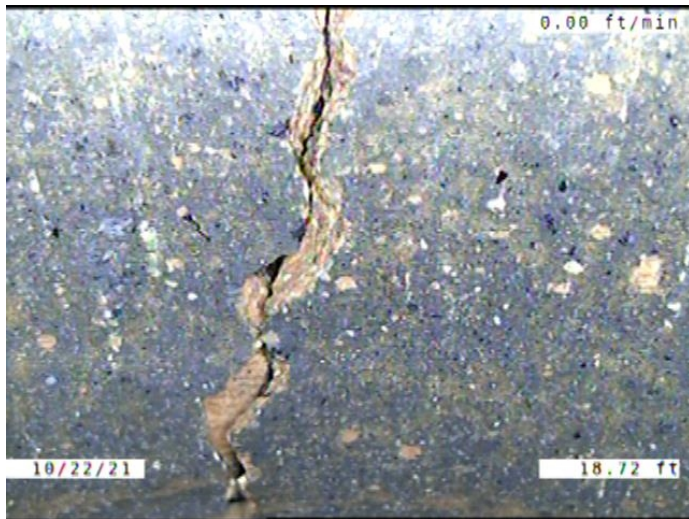
Code: **FM**  
 Description: **Fracture Multiple**

Distance (ft): **3.4**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **8**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index: **S01**  
 Within 8" of Joint: **YES**  
 Remarks:



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

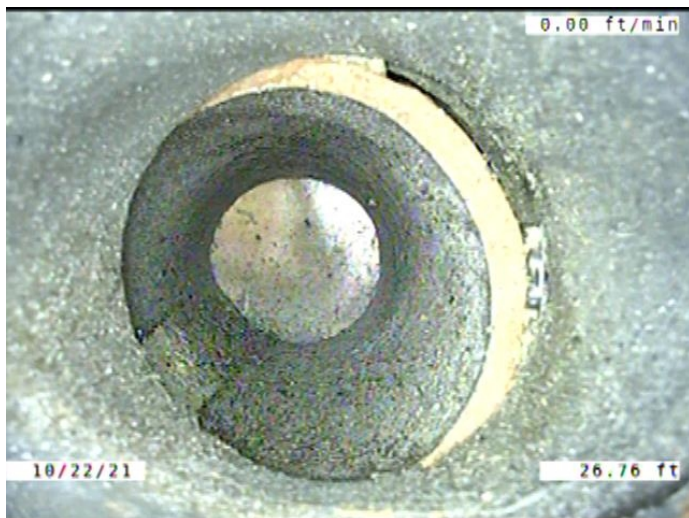
Distance (ft): **13.1**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **11**  
 Clock To:  
 1st Value: **4.000**  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks: **CONSTANTLY RUNNING WATER**



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

Distance (ft): **18.7**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index: **S02**  
 Within 8" of Joint: **NO**  
 Remarks:

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

Distance (ft): **26.8**  
 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: **CAPPED. LARGE OFFSET FIRST JOINT BACK. SOIL VISIBLE**

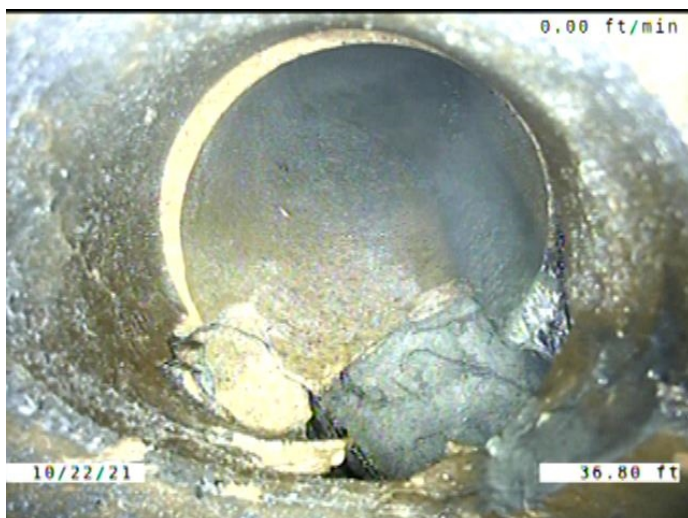
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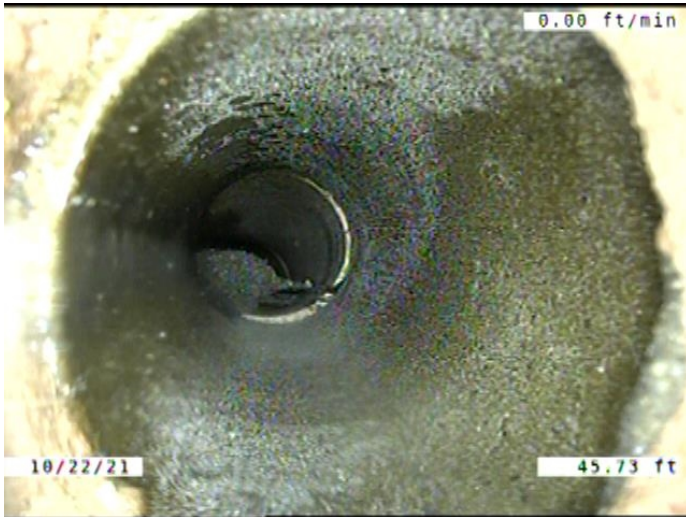
Code: **DR**  
 Description: **Deformed Rigid**

Distance (ft): **34.3**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index: **F02**  
 Within 8" of Joint: **NO**  
 Remarks:



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

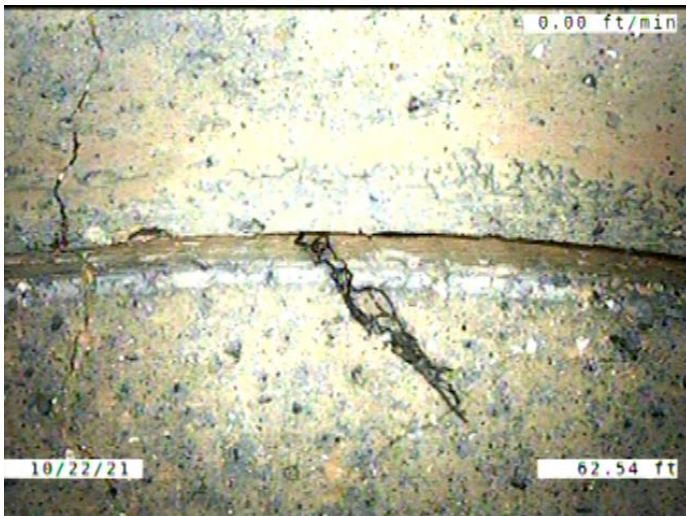
Distance (ft): **36.8**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **1**  
 Clock To:  
 1st Value: **4.000**  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks: **TAP BROKEN. SOIL VISIBLE. WATER RUNNING OUTSIDE OF THE MAIN**



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

Distance (ft): **45.7**  
 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: **Defective**

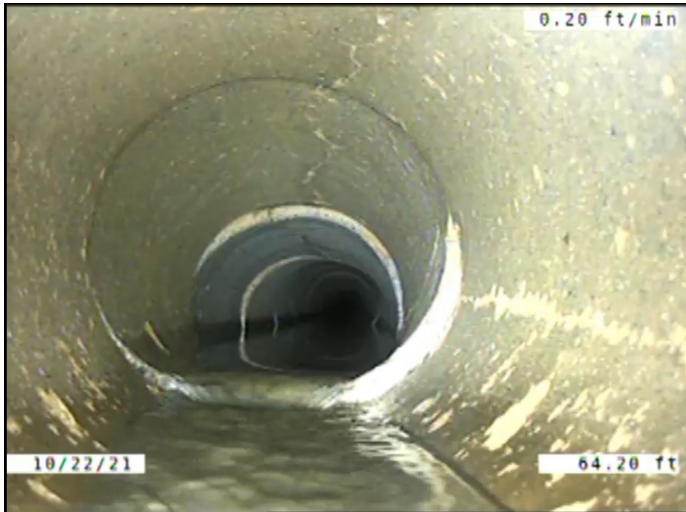
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Code: **RFJ**  
 Description: **Roots Fine Joint**

Distance (ft): **62.5**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From: **12**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:

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

Distance (ft): **64.2**  
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:

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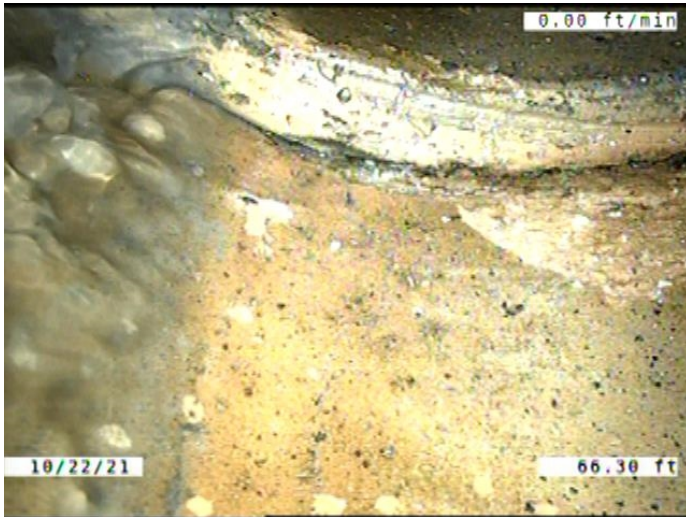


Code: **SSS**  
Description: **Surface Damage Surface Spalling**

Distance (ft): **64.2**  
Structural Grade: **2**  
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:

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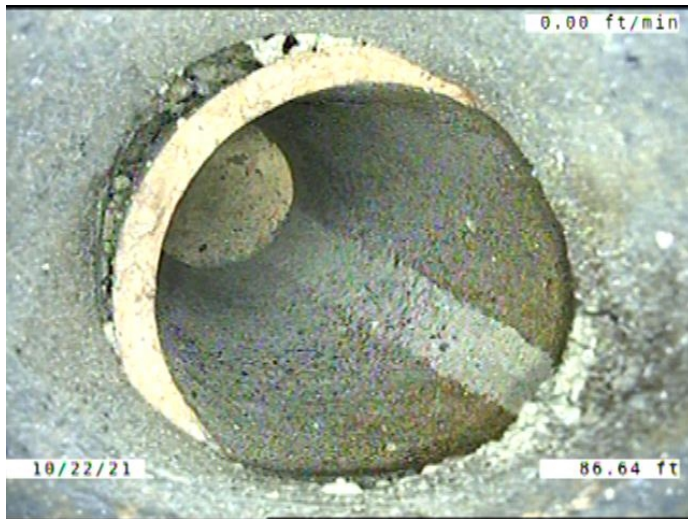
Code: **JOM**  
 Description: **Joint Offset Medium**

Distance (ft): **66.3**  
 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: **TFC**  
 Description: **Tap Factory Capped**

Distance (ft): **76.4**  
 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:



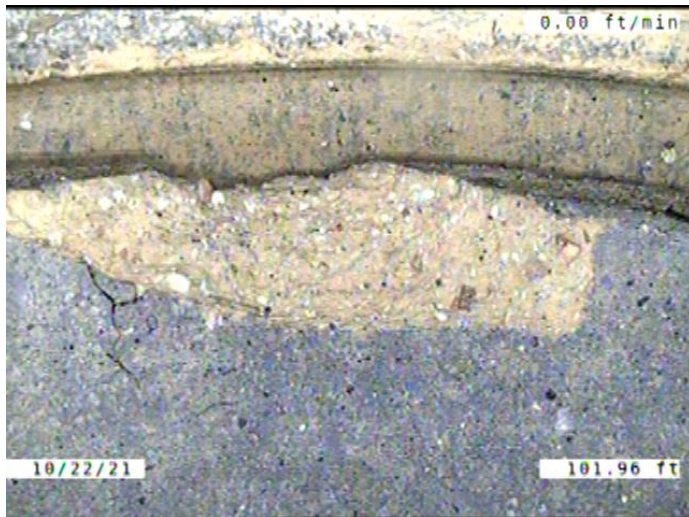
Code: **TFD**  
 Description: **Tap Factory Defective**

Distance (ft): **86.6**  
 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. LARGE OFFSET FIRST JOINT BACK. SOIL VISIBLE**



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

Distance (ft): **96.9**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **12**  
 Clock To:  
 1st Value: **4.000**  
 2nd Value: **1.000**  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

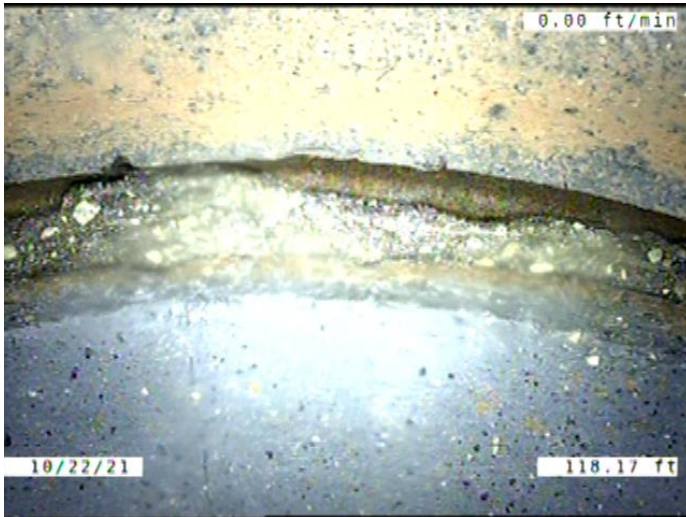
Distance (ft): **102.0**  
 Structural Grade: **0**  
 O&M Grade: **0**  
 Clock Start/From: **10**  
 Clock To: **11**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks: **A PIECE CHIPPED AWAY FROM THE JOINT**



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

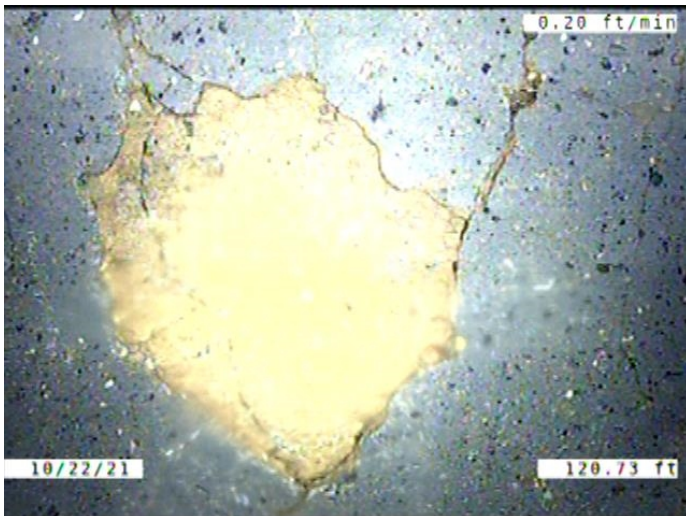
Distance (ft): **105.6**  
 Structural Grade: **3**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks: **SOIL VISIBLE**





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

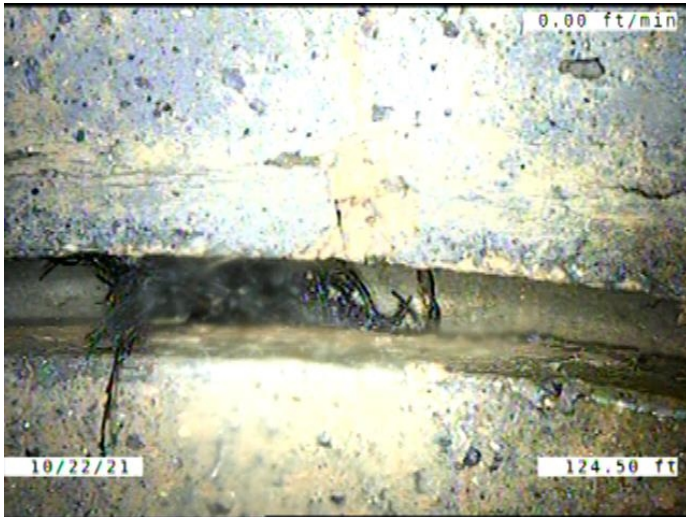
Distance (ft): **118.2**  
 Structural Grade: **3**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:



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

Distance (ft): **120.7**  
 Structural Grade: **2**  
 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:

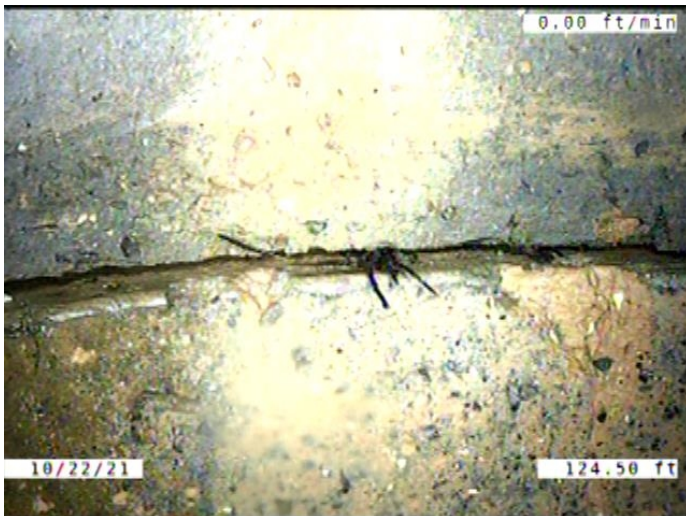




Code: **RFJ**  
Description: **Roots Fine Joint**

Distance (ft): **124.5**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **3**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **S03**  
Within 8" of Joint: **YES**  
Remarks:

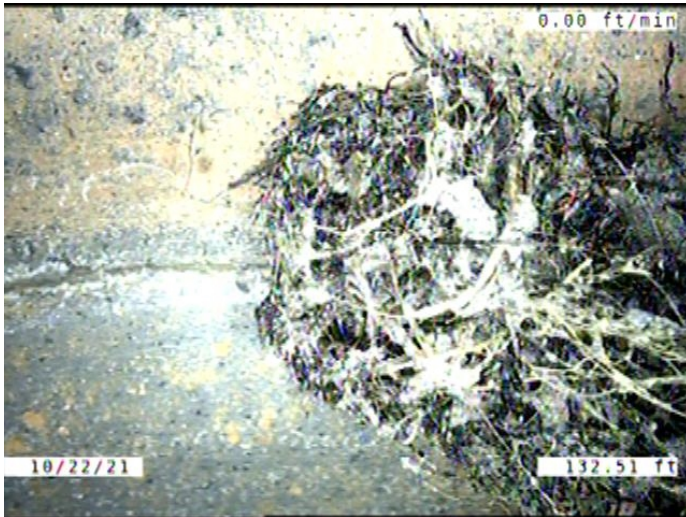
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Code: **RFJ**  
Description: **Roots Fine Joint**

Distance (ft): **124.5**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **9**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **S04**  
Within 8" of Joint: **YES**  
Remarks:

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

Distance (ft): **132.5**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **1**  
Clock To: **3**  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index: **S05**  
Within 8" of Joint: **YES**  
Remarks:

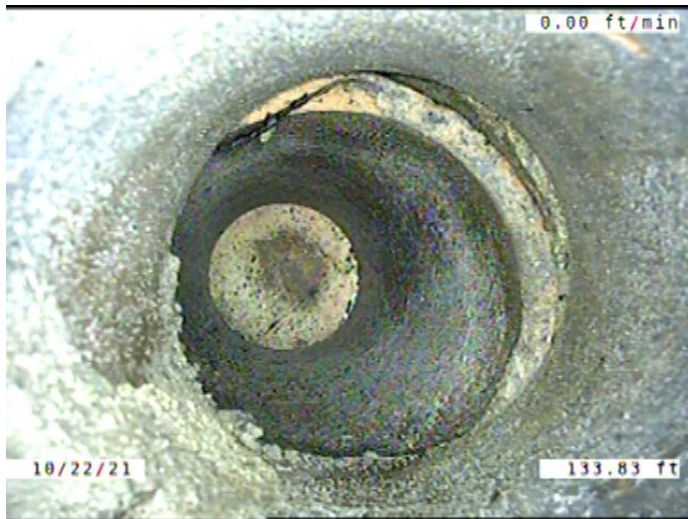
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Code: **RFJ**  
Description: **Roots Fine Joint**

Distance (ft): **132.5**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **3**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **F03**  
Within 8" of Joint: **YES**  
Remarks:

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

Distance (ft): **133.8**  
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: **CAPPED. LARGE OFFSET FIRST JOINT BACK. SOIL VISIBLE**

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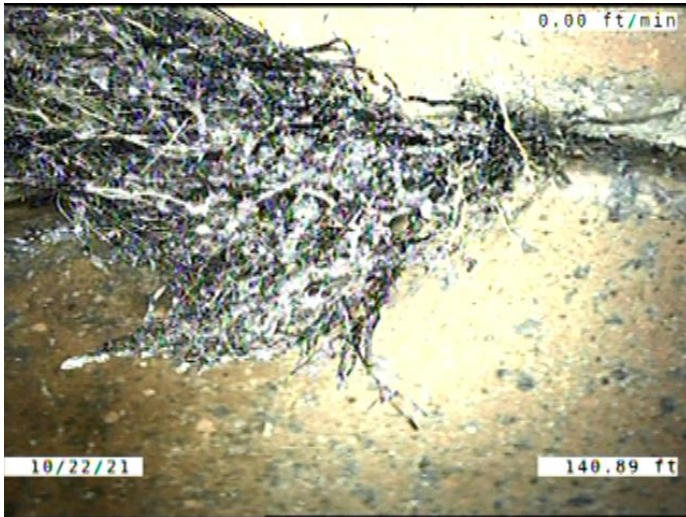


Code: **TFC**  
Description: **Tap Factory Capped**

Distance (ft): **135.9**  
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: **ROOTS GROWING AROUND THE CAP AND FROM THE JOINT**

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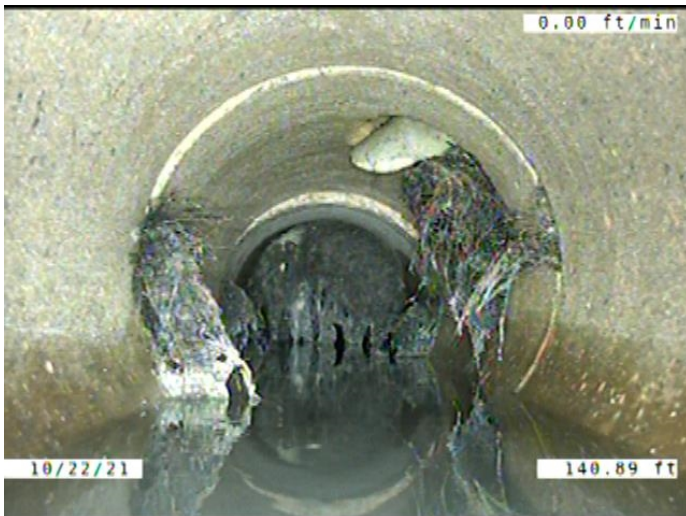




Code: **RMJ**  
 Description: **Roots Medium Joint**

Distance (ft): **140.9**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **8**  
 Clock To: **10**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index: **S06**  
 Within 8" of Joint: **YES**  
 Remarks:

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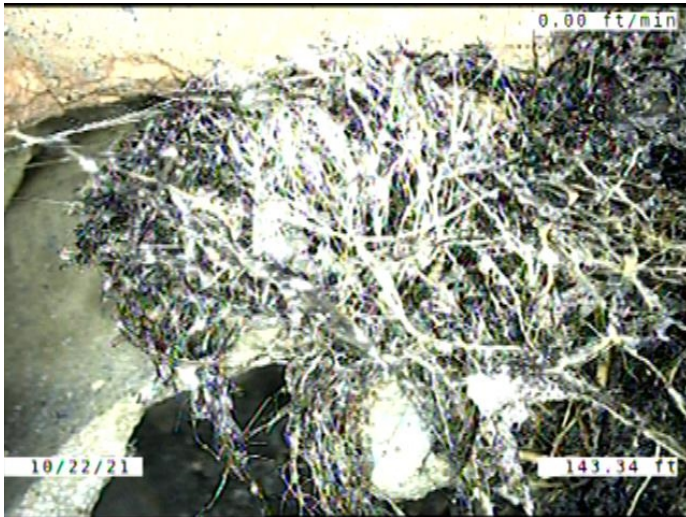


Code: **RFJ**  
 Description: **Roots Fine Joint**

Distance (ft): **140.9**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From: **9**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index: **F04**  
 Within 8" of Joint: **YES**  
 Remarks:

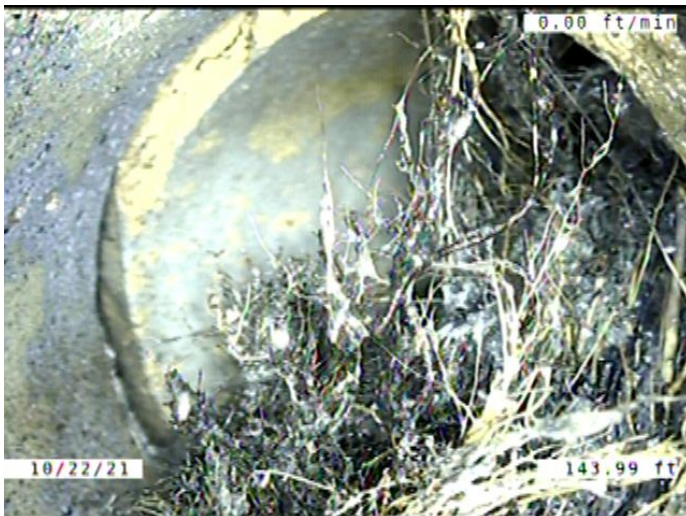
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Code: **RMC**  
 Description: **Roots Medium Connection**

Distance (ft): **143.3**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **1**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent: **10.000**  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:



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

Distance (ft): **144.0**  
 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: **RBJ**  
 Description: **Roots Ball Joint**

Distance (ft): **146.2**  
 Structural Grade: **0**  
 O&M Grade: **4**  
 Clock Start/From: **8**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent: **85.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **147.3**  
 Structural Grade: **4**  
 O&M Grade: **0**  
 Clock Start/From: **8**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index: **F01**  
 Within 8" of Joint: **YES**  
 Remarks:



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

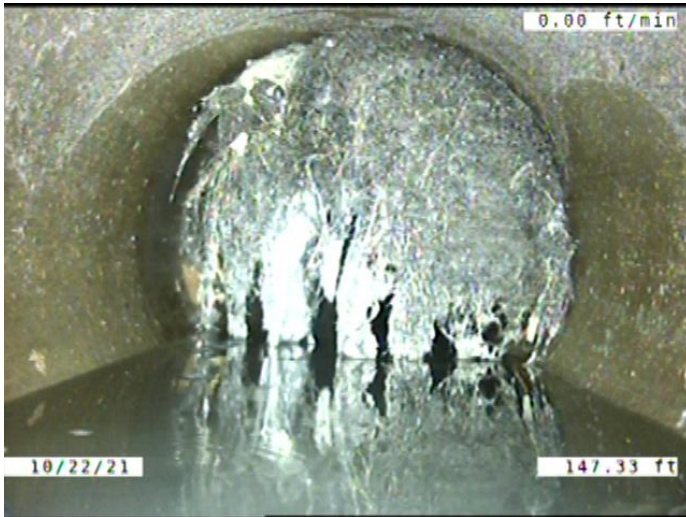
Distance (ft): **147.3**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **1**  
 Clock To: **3**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index: **F05**  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **147.3**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **8**  
 Clock To: **10**  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index: **F06**  
 Within 8" of Joint: **YES**  
 Remarks:





Code:	<b>MSA</b>
Description:	<b>Miscellaneous Survey Abandoned</b>
Distance (ft):	<b>147.3</b>
Structural Grade:	<b>0</b>
O&M Grade:	<b>0</b>
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	<b>NO</b>
Remarks:	<b>CAMERA CANT MAKE IT PAST ROOTS</b>