


## Profile/Photo Observation Report



Date:	<b>11/08/2021</b>	Weather:		Coding:	<b>PACP 7.0</b>
Pipe Length (ft):	<b>218.0</b>	Owner:	<b>City of Hobart</b>	Pre Clean:	<b>Heavy Cleaning</b>
P.O.#:	<b>YES502259</b>	Surveyor:	<b>Steven Bucklin</b>	PSR:	<b>P-604-065-064</b>
Customer:	<b>City of Hobart, IN (Red</b>	Clean Date:	<b>11/08/2021</b>	Shape:	<b>C</b>

Street:	<b>North Pennsylvania Street</b>	Flow Control:	<b>Not Controlled</b>
City:	<b>City of Hobart</b>	Year Renewed:	
Location:	<b>Local rural streets with light traffic, t</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-604-065</b>	DS MH:	<b>M-604-064</b>
		Total Length Surveyed (ft):	<b>218.0</b>

O&M Index:	<b>2.25</b>	O&M Quick:	<b>3324</b>	O&M Rating:	<b>18.00</b>
Structural Index:	<b>3.03</b>	Structural Quick:	<b>4C3B</b>	Structural Rating:	<b>182.00</b>
Overall Index:	<b>2.94</b>	Overall Quick:	<b>4C3C</b>	Overall Rating:	<b>200.00</b>

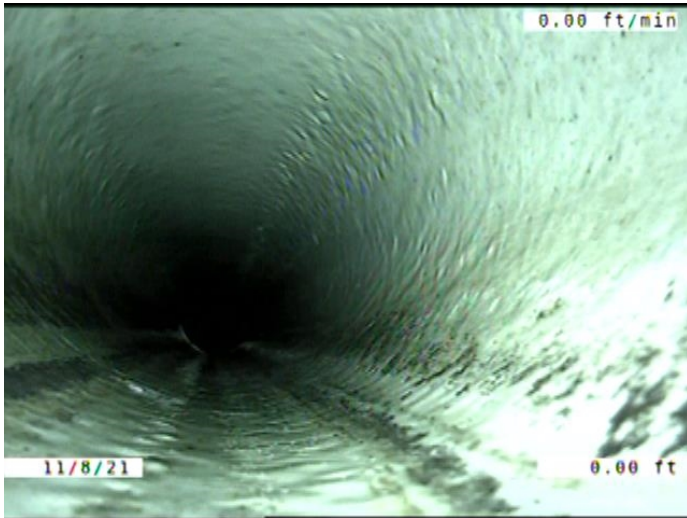
	Position	Code	Observation	Video (sec)	Grade
	.0	AMH	Manhole	1	NA
	.0	MWL	Miscellaneous Water Level	74	NA
	17.2	MWLS(S01)	Miscellaneous Water Level Sag	198	S 2
	27.5	MGO	Miscellaneous General Observation	244	NA
	37.0	MMC	Miscellaneous Material Change	354	NA
	40.5	MWL	Miscellaneous Water Level	477	NA
	40.5	JOM	Joint Offset Medium	492	S 3
	40.8	CM	Crack Multiple	522	S 3
	42.4	FM(S02)	Fracture Multiple	617	S 4
	58.9	B	Broken	1043	S 4
	83.8	TBI	Tap Break-in Intruding	1340	M 2
	83.8	B	Broken	1349	S 4
	83.8	MWLS(F01)	Miscellaneous Water Level Sag	1353	S 2
	87.0	SSS	Surface Damage Surface Spalling	1383	S 2
	87.1	RPP	Point Repair Patch	1398	NA
	87.8	TBI	Tap Break-in Intruding	1416	M 2
	117.3	SSS	Surface Damage Surface Spalling	1553	S 2
	117.7	TB	Tap Break-in/Hammer	1568	NA
	119.2	SSS	Surface Damage Surface Spalling	1605	S 2
	119.6	TBI	Tap Break-in Intruding	1623	M 2
	124.8	DR	Deformed Rigid	1689	S 4
	126.7	JOMD	Joint Offset Medium Defective	1727	S 3
	127.3	RFJ	Roots Fine Joint	1767	M 1
	138.2	FM(F02)	Fracture Multiple	1838	S 4
	139.3	MMC	Miscellaneous Material Change	1874	NA
	139.3	JOM	Joint Offset Medium	1902	S 3
	144.0	MMC	Miscellaneous Material Change	2014	NA
	144.8	CM(S05)	Crack Multiple	2047	S 3
	149.5	MWLS(S04)	Miscellaneous Water Level Sag	2079	S 2
	153.3	TFD	Tap Factory Defective	2135	M 3
	155.3	TBD	Tap Break-in/Hammer Defective	2177	M 3
	170.5	MWLS(F04)	Miscellaneous Water Level Sag	2283	S 2
	174.6	DAE	Deposits Attached Encrustation	2312	M 2
	192.8	TF	Tap Factory	2420	NA
	194.9	TFD	Tap Factory Defective	2456	M 3
	214.2	CM(F05)	Crack Multiple	2557	S 3
	218.0	AMH	Manhole	2663	NA
M-604-065					



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-604-064**

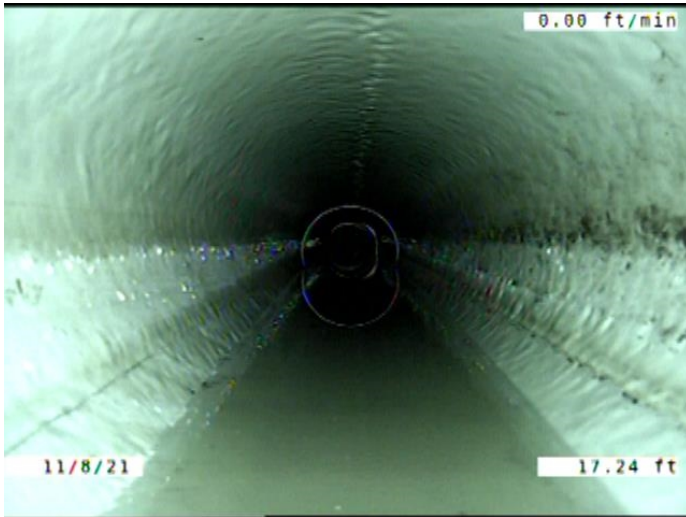
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Code: **MWL**  
Description: **Miscellaneous Water Level**

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:

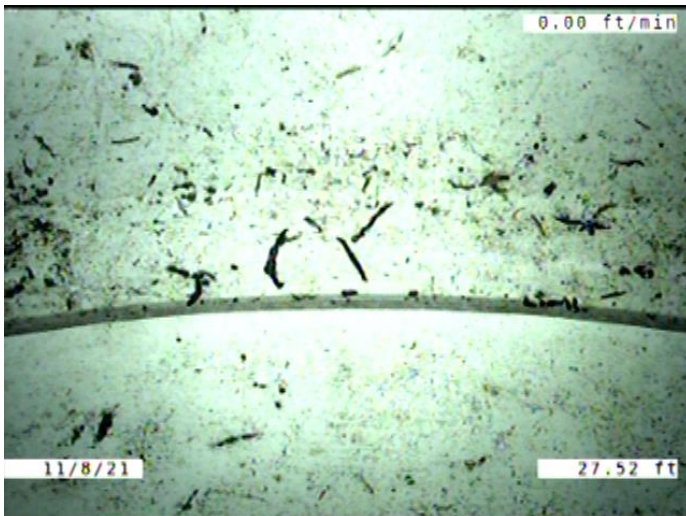
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Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

Distance (ft): **17.2**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **15.000**  
Continuous Index: **S01**  
Within 8" of Joint: **NO**  
Remarks:

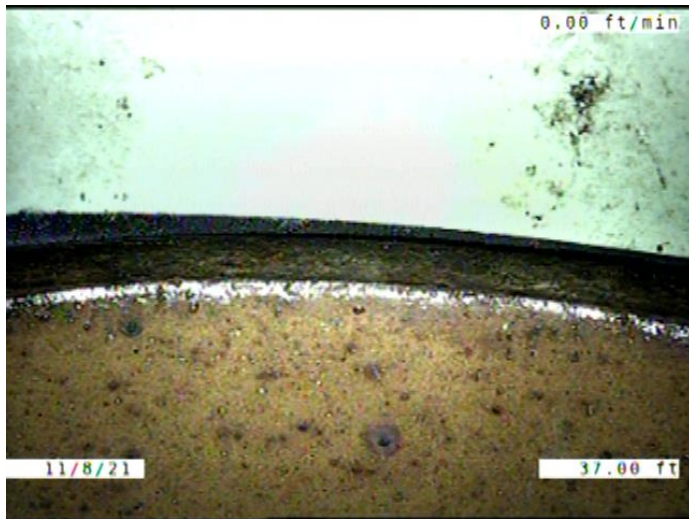
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Code: **MGO**  
Description: **Miscellaneous General Observation**

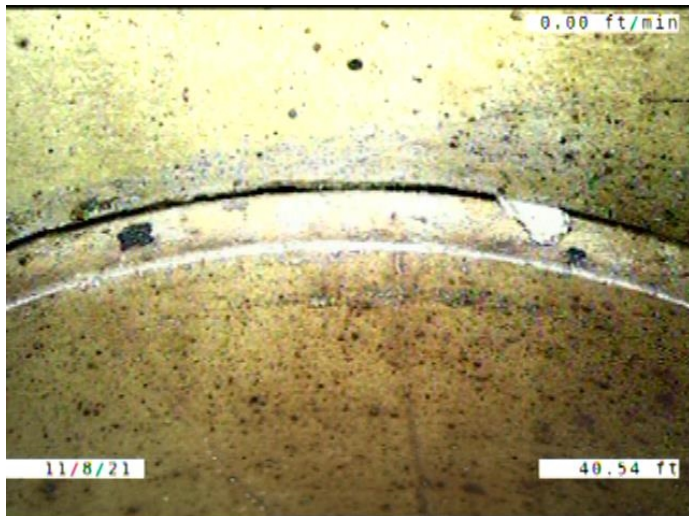
Distance (ft): **27.5**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks: **JOINT/ PIPES NOT PUSHED ALL THE WAY TOGETHER WHEN INSTALLED**

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Code: **MMC**  
 Description: **Miscellaneous Material Change**

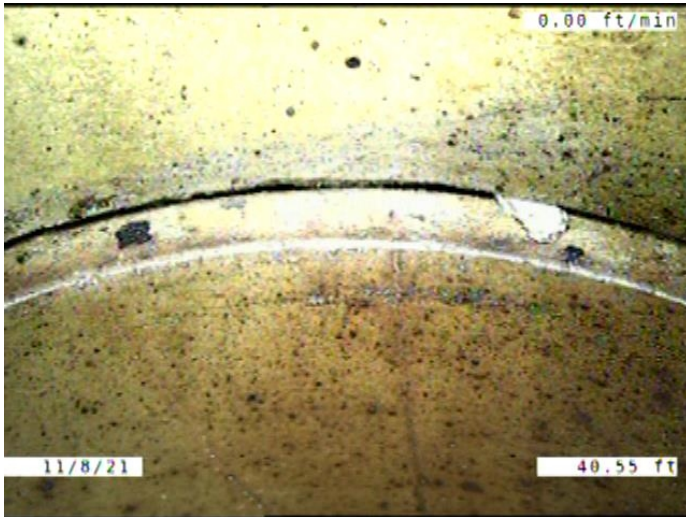
Distance (ft): **37.0**  
 Structural Grade: **0**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks: **PVC TO VCP**



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

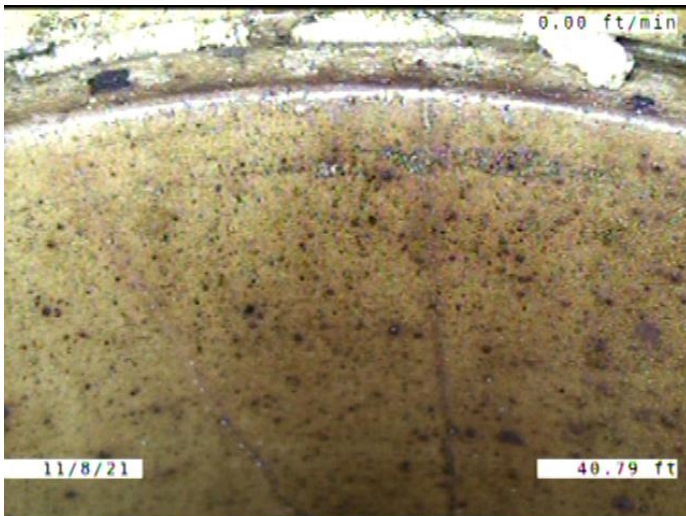
Distance (ft): **40.5**  
 Structural Grade: **0**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **30.000**  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:





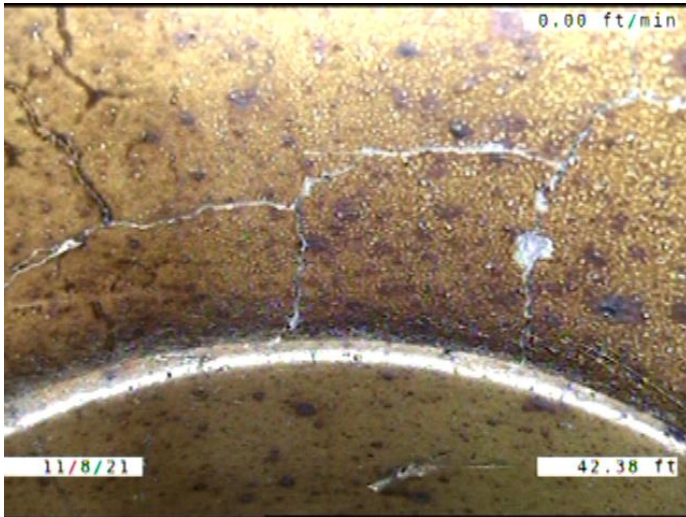
Code: **JOM**  
 Description: **Joint Offset Medium**

Distance (ft): **40.5**  
 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**  
 Description: **Crack Multiple**

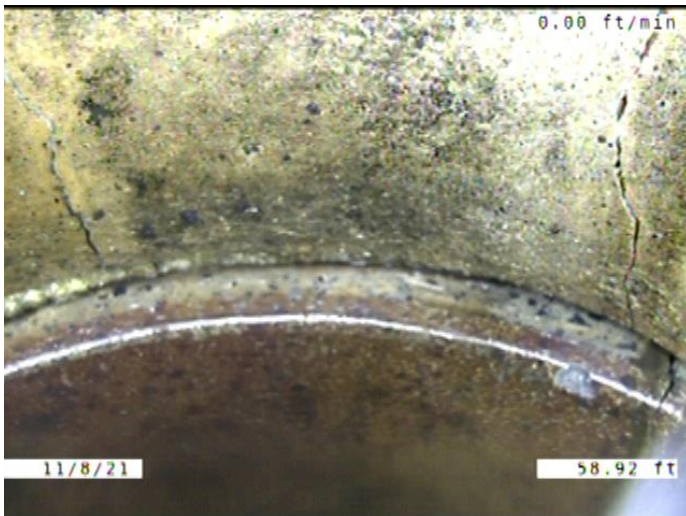
Distance (ft): **40.8**  
 Structural Grade: **3**  
 O&M Grade: **0**  
 Clock Start/From: **11**  
 Clock To: **12**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **42.4**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **8**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **S02**  
Within 8" of Joint: **YES**  
Remarks: **Wandering**

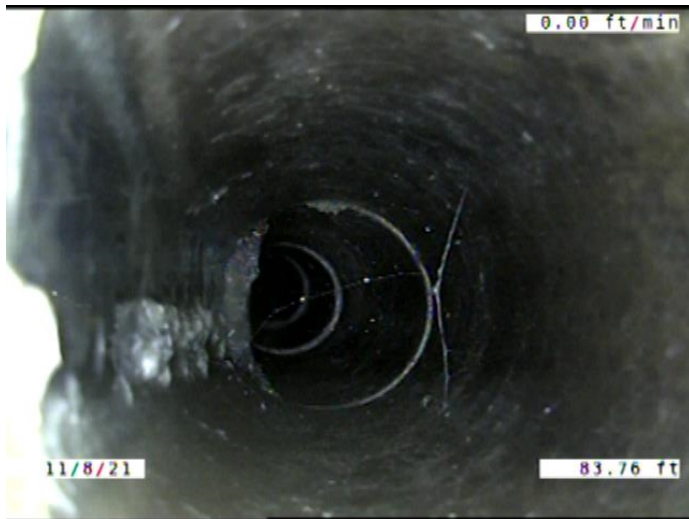
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Code: **B**  
Description: **Broken**

Distance (ft): **58.9**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **10**  
Clock To: **2**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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

Distance (ft): **83.8**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **9**  
Clock To:  
1st Value: **6.000**  
2nd Value: **2.000**  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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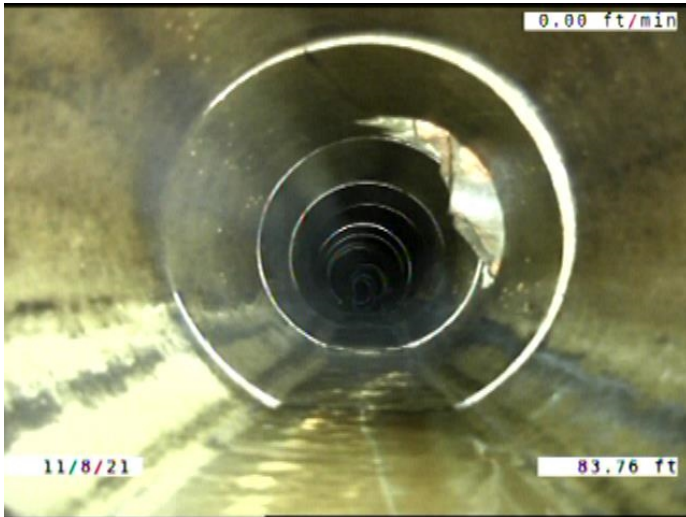


Code: **B**  
Description: **Broken**

Distance (ft): **83.8**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **9**  
Clock To: **10**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

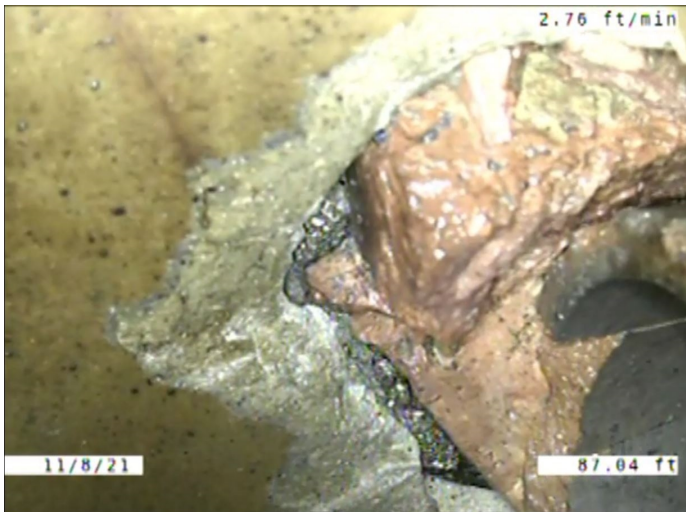
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Code: **MWLS**  
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **83.8**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **15.000**  
 Continuous Index: **F01**  
 Within 8" of Joint: **NO**  
 Remarks:



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

Distance (ft): **87.0**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From: **1**  
 Clock To: **3**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:



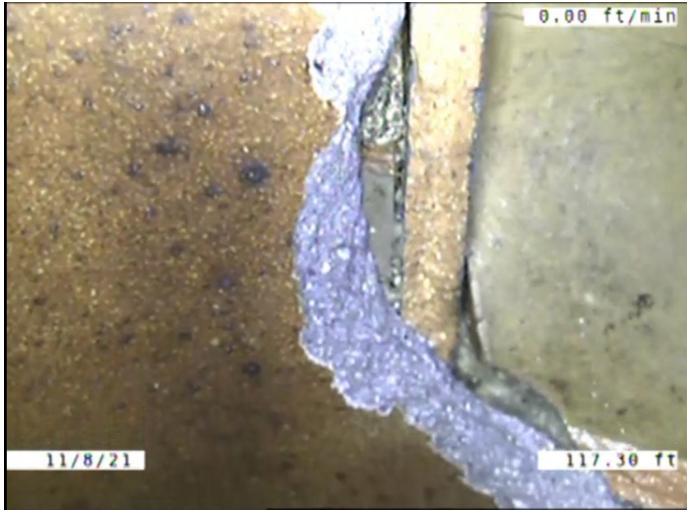
Code: **RPP**  
 Description: **Point Repair Patch**

Distance (ft): **87.1**  
 Structural Grade: **0**  
 O&M Grade: **0**  
 Clock Start/From: **1**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks: **Brick**



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

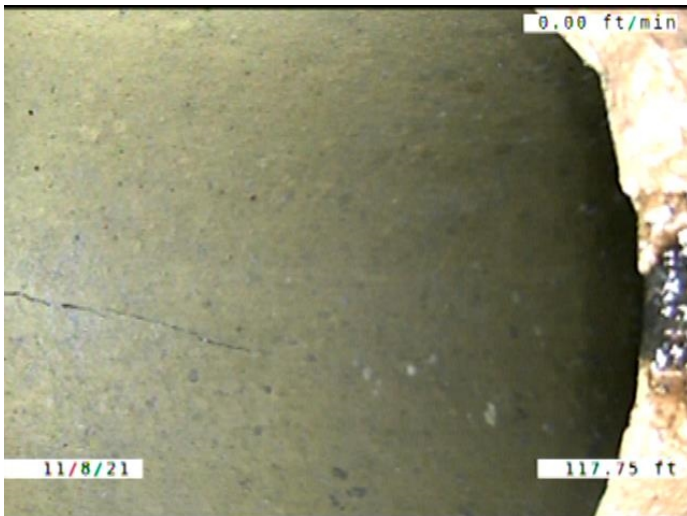
Distance (ft): **87.8**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **2**  
 Clock To:  
 1st Value: **4.000**  
 2nd Value: **3.000**  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **117.3**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From: **1**  
Clock To: **3**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

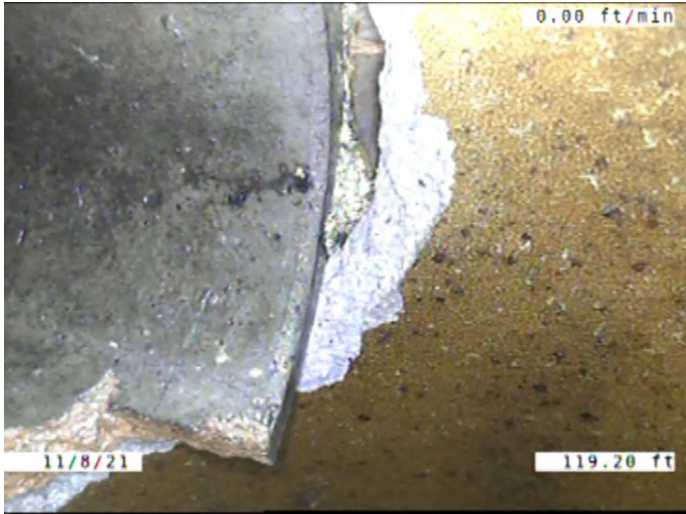
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Code: **TB**  
Description: **Tap Break-in/Hammer**

Distance (ft): **117.7**  
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: **SSS**  
 Description: **Surface Damage Surface Spalling**

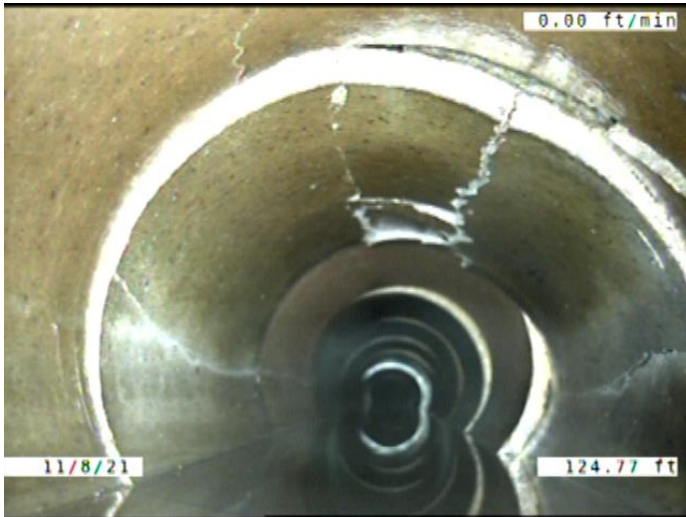
Distance (ft): **119.2**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From: **9**  
 Clock To: **11**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:



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

Distance (ft): **119.6**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **10**  
 Clock To:  
 1st Value: **4.000**  
 2nd Value: **2.000**  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:





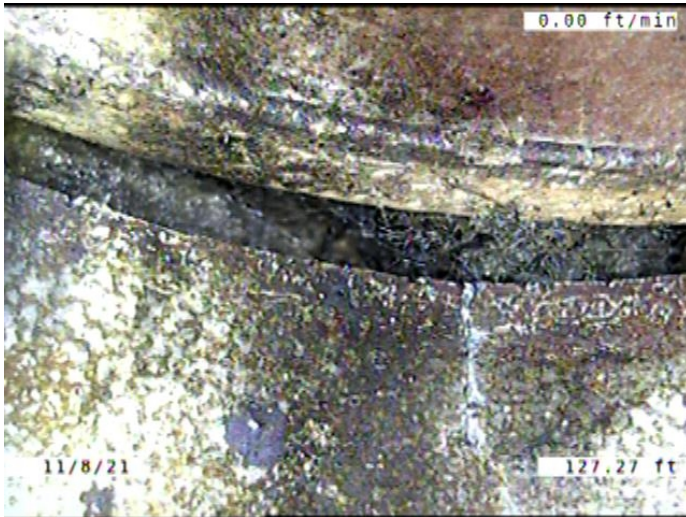
Code: **DR**  
 Description: **Deformed Rigid**

Distance (ft): **124.8**  
 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: **JOMD**  
 Description: **Joint Offset Medium Defective**

Distance (ft): **126.7**  
 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: **RFJ**  
Description: **Roots Fine Joint**

Distance (ft): **127.3**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **3**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

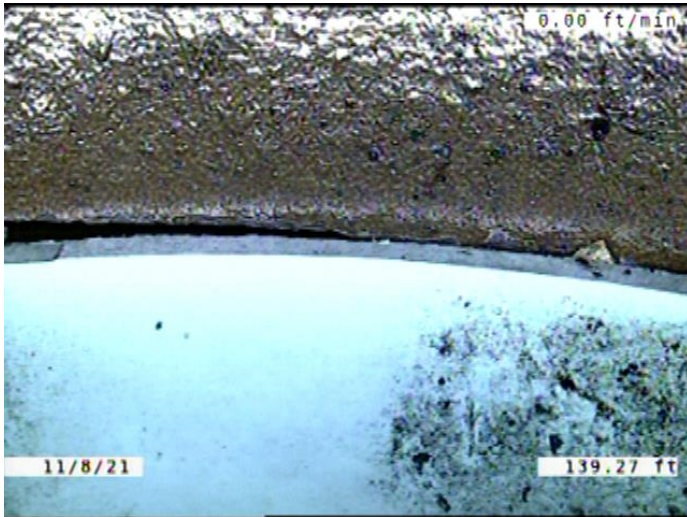
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Code: **FM**  
Description: **Fracture Multiple**

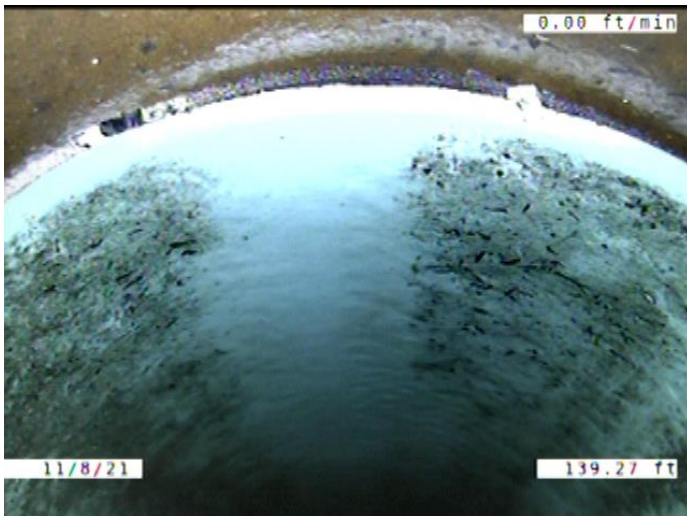
Distance (ft): **138.2**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **8**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **F02**  
Within 8" of Joint: **YES**  
Remarks: **Wandering**

---



Code: **MMC**  
 Description: **Miscellaneous Material Change**

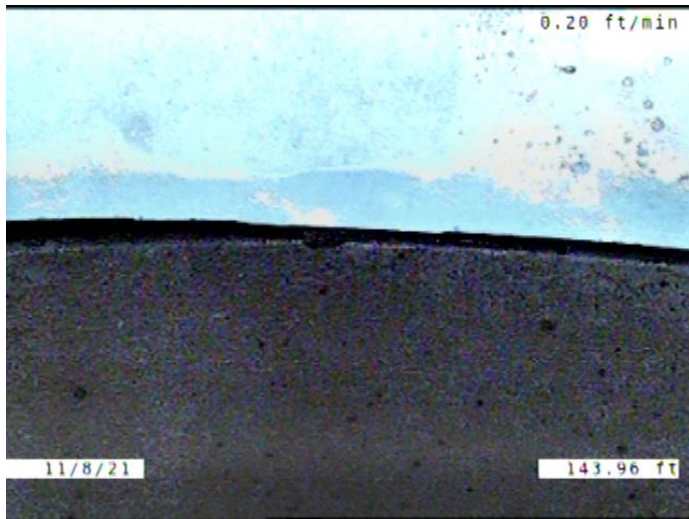
Distance (ft): **139.3**  
 Structural Grade: **0**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks: **VCP TO PVC**



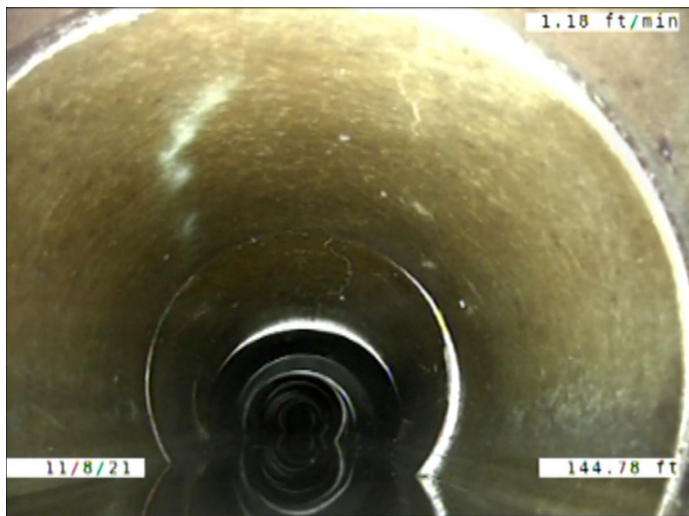
Code: **JOM**  
 Description: **Joint Offset Medium**

Distance (ft): **139.3**  
 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:



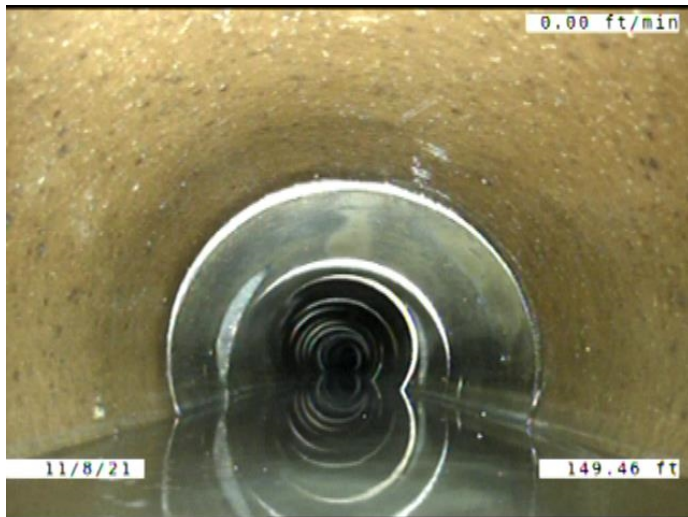


Code:	<b>MMC</b>
Description:	<b>Miscellaneous Material Change</b>
Distance (ft):	<b>144.0</b>
Structural Grade:	<b>0</b>
O&M Grade:	<b>0</b>
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	<b>NO</b>
Remarks:	<b>PVC TO VCP</b>



Code:	<b>CM</b>
Description:	<b>Crack Multiple</b>
Distance (ft):	<b>144.8</b>
Structural Grade:	<b>3</b>
O&M Grade:	<b>0</b>
Clock Start/From:	<b>8</b>
Clock To:	<b>4</b>
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	<b>S05</b>
Within 8" of Joint:	<b>YES</b>
Remarks:	





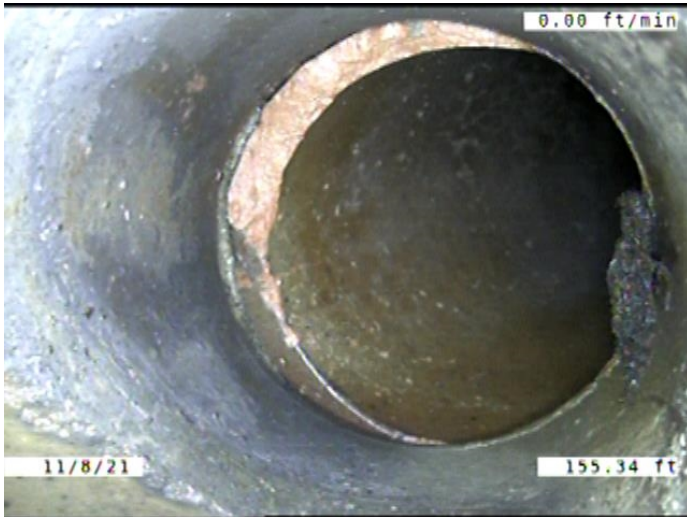
Code: **MWLS**  
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **149.5**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **15.000**  
 Continuous Index: **S04**  
 Within 8" of Joint: **NO**  
 Remarks:



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

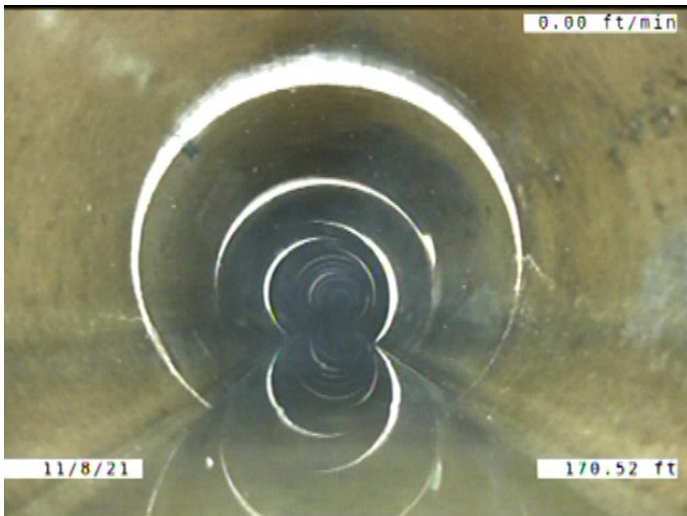
Distance (ft): **153.3**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **10**  
 Clock To:  
 1st Value: **4.000**  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks: **BROKEN. OFFSET. SOIL VISIBLE.**



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

Distance (ft): **155.3**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **2**  
Clock To:  
1st Value: **4.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks: **OFFSET. SOIL VISIBLE.**

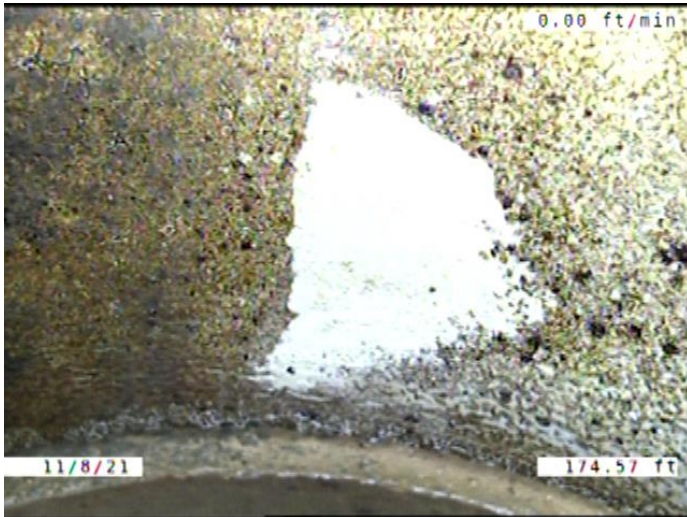
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Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

Distance (ft): **170.5**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **15.000**  
Continuous Index: **F04**  
Within 8" of Joint: **NO**  
Remarks:

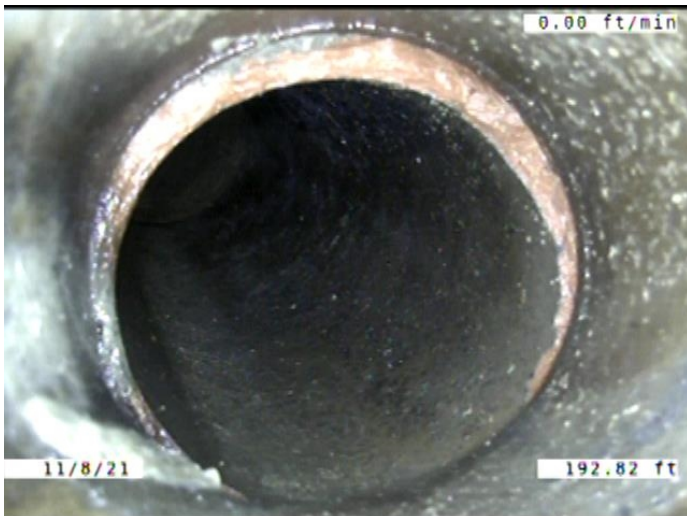
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Code: **DAE**  
Description: **Deposits Attached Encrustation**

Distance (ft): **174.6**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **2**  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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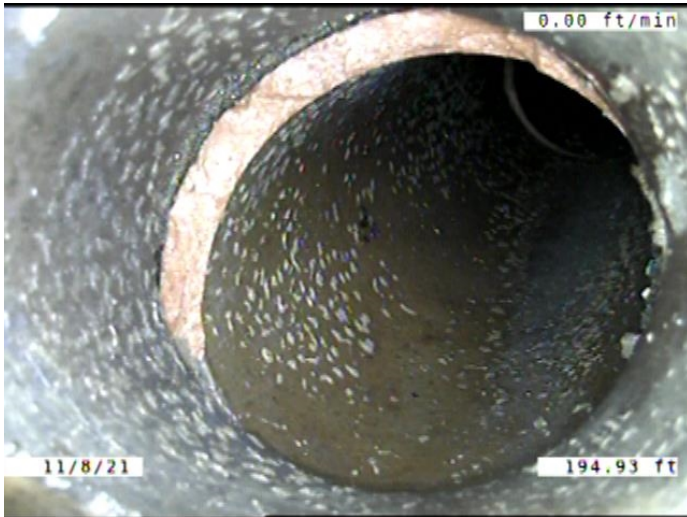


Code: **TF**  
Description: **Tap Factory**

Distance (ft): **192.8**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From: **10**  
Clock To:  
1st Value: **4.000**  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

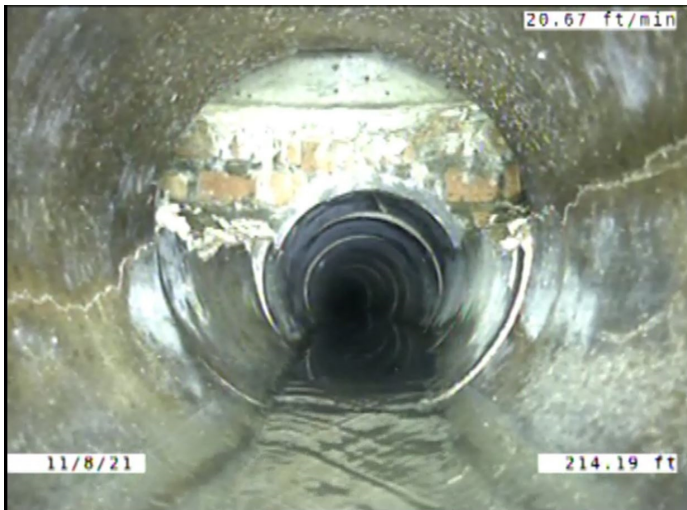
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Code: **TFD**  
 Description: **Tap Factory Defective**

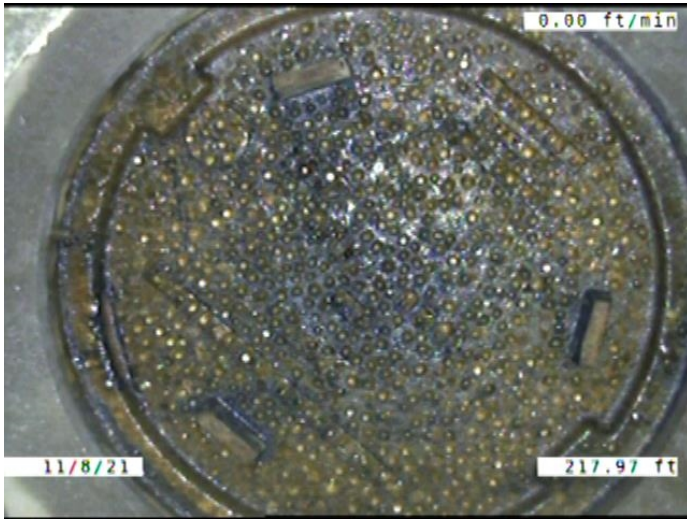
Distance (ft): **194.9**  
 Structural Grade: **0**  
 O&M Grade: **3**  
 Clock Start/From: **2**  
 Clock To:  
 1st Value: **4.000**  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks: **OFFSET. SOIL VISIBLE**



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

Distance (ft): **214.2**  
 Structural Grade: **3**  
 O&M Grade: **0**  
 Clock Start/From: **8**  
 Clock To: **4**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index: **F05**  
 Within 8" of Joint: **YES**  
 Remarks:





Code:	AMH
Description:	Manhole
Distance (ft):	218.0
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-604-065