

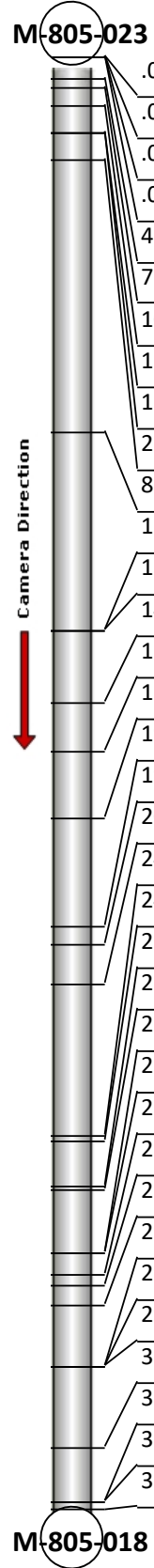
## Profile/Photo Observation Report

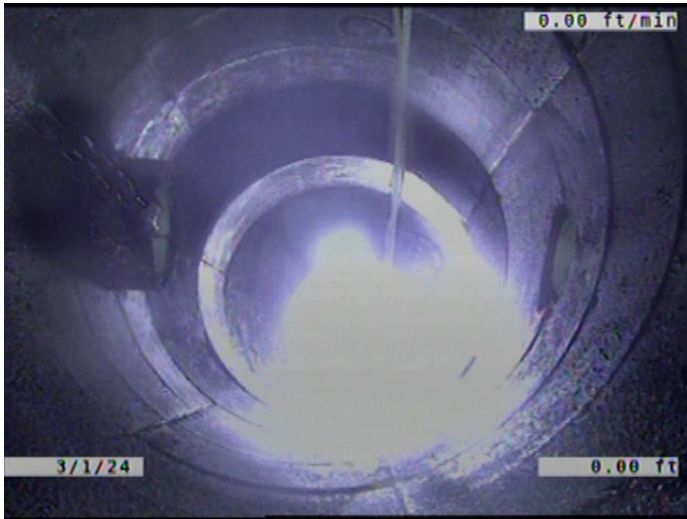


Date:	<b>03/01/2024</b>	Weather:		Coding:	<b>PACP 7.0</b>
Pipe Length (ft):	<b>321.0</b>	Owner:	<b>City of Hobart</b>	Pre Clean:	<b>Heavy Cleaning</b>
P.O.#:		Surveyor:	<b>S. Bucklin</b>	PSR:	<b>P-805-018-023</b>
Customer:	<b>City of Hobart</b>	Clean Date:	<b>09/05/2022</b>	Shape:	<b>C</b>

Street:	<b>E 5TH ST</b>	Flow Control:	<b>Not Controlled</b>
City:	<b>Hobart, IN</b>	Year Renewed:	
Location:	<b>Local rural streets with light traffic, t</b>	Tape/Media #:	
Purpose:	<b>Sewer System Evaluation Survey (SS</b>	Dia/Height:	<b>21"</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>Downstream</b>
US MH:	<b>M-805-023</b>	DS MH:	<b>M-805-018</b>
		Total Length Surveyed (ft):	<b>324.0</b>

O&M Index:	<b>2.13</b>	O&M Quick:	<b>4434</b>	O&M Rating:	<b>181.00</b>
Structural Index:	<b>3.41</b>	Structural Quick:	<b>5944</b>	Structural Rating:	<b>92.00</b>
Overall Index:	<b>2.44</b>	Overall Quick:	<b>5948</b>	Overall Rating:	<b>273.00</b>

	Position	Code	Observation	Video (sec)	Grade
	.0	AMH	Manhole	0	NA
	.0	MWL	Miscellaneous Water Level	104	NA
	.0	DAE	Deposits Attached Encrustation	254	M 2
	.0	RPR(S01)	Point Repair Replacement	261	NA
	4.8	MGO	Miscellaneous General Observation	413	NA
	7.3	RPR(F01)	Point Repair Replacement	470	NA
	10.8	MWLS(S02)	Miscellaneous Water Level Sag	501	S 2
	16.8	JAM	Joint Angular Medium	556	S 3
	16.8	DAE(S03)	Deposits Attached Encrustation	568	M 2
	22.8	MWLS(F02)	Miscellaneous Water Level Sag	609	S 2
	83.8	MWLS(S04)	Miscellaneous Water Level Sag	822	S 2
	128.1	MWLS(F04)	Miscellaneous Water Level Sag	1058	S 2
	128.1	MWL	Miscellaneous Water Level	1067	NA
	144.2	LD	Line Down	1168	M 1
	154.8	JAM	Joint Angular Medium	1273	S 3
	169.7	IRJ	Infiltration Runner Joint	1428	M 4
	194.1	IDJ	Infiltration Dripper Joint	1583	M 3
	198.2	MWL	Miscellaneous Water Level	1618	NA
	206.8	MWL	Miscellaneous Water Level	1667	NA
	240.5	TF	Tap Factory	1868	NA
	241.9	IDJ	Infiltration Dripper Joint	1908	M 3
	251.8	IDJ	Infiltration Dripper Joint	1970	M 3
	252.8	DAGS(S05)	Deposits Attached Grease	1992	M 2
	266.7	IDJ	Infiltration Dripper Joint	2120	M 3
	266.7	MWLS(S06)	Miscellaneous Water Level Sag	2131	S 5
	271.6	RPRD(S08)	Point Repair Replacement Defective	2192	S 4
	274.0	MGO	Miscellaneous General Observation	2221	NA
	278.4	MCU(S07)	Miscellaneous Camera Underwater	2268	M 4
	292.4	JAM	Joint Angular Medium	2746	S 3
	292.4	RPRD(F08)	Point Repair Replacement Defective	2768	S 4
	292.4	MCU(F07)	Miscellaneous Camera Underwater	2855	M 4
	310.2	MWLS(F06)	Miscellaneous Water Level Sag	2987	S 5
	322.4	DAGS(F05)	Deposits Attached Grease	3106	M 2
	322.4	DAE(F03)	Deposits Attached Encrustation	3115	M 2
	324.0	AMH	Manhole	3206	NA
M-805-018					



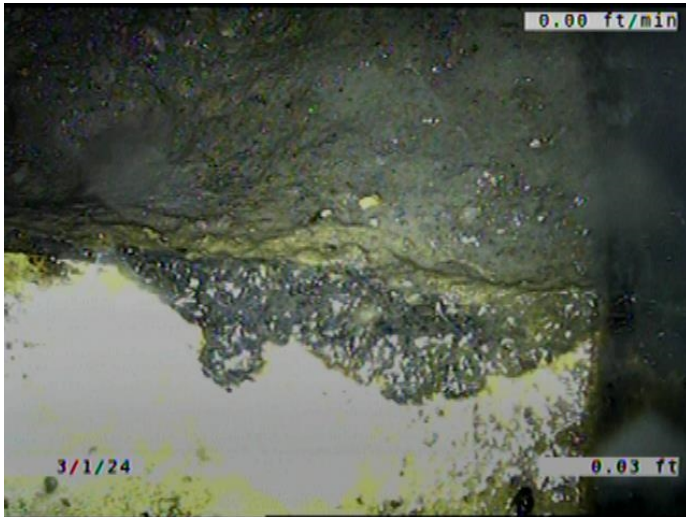
Code: **AMH**  
 Description: **Manhole**

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-805-023**



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

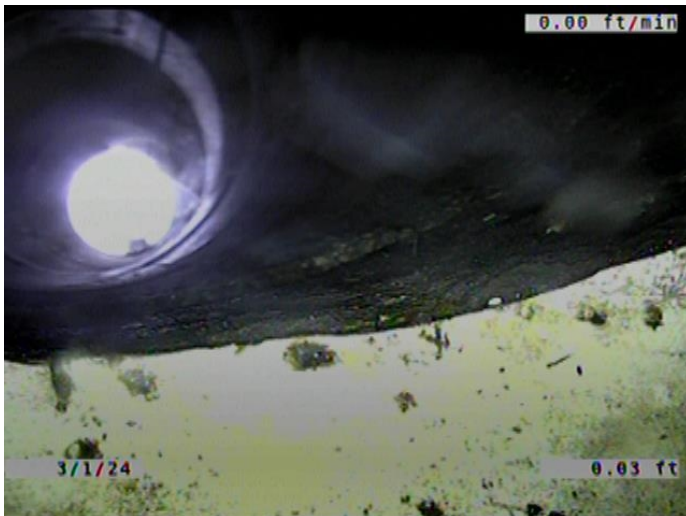
Distance (ft): **.0**  
 Structural Grade: **0**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **20.000**  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:



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

Distance (ft): **.0**  
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:

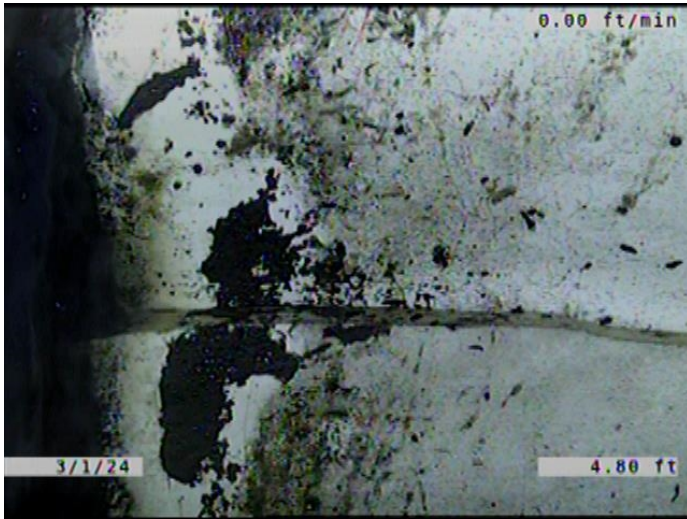
---



Code: **RPR**  
Description: **Point Repair Replacement**

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

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Code:	<b>MGO</b>
Description:	<b>Miscellaneous General Observation</b>
Distance (ft):	<b>4.8</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>JOINT/ PIPES NOT PUSHED ALL THE WAY TOGETHER WHEN INSTALLED</b>

---



Code:	<b>RPR</b>
Description:	<b>Point Repair Replacement</b>
Distance (ft):	<b>7.3</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:	<b>F01</b>
Within 8" of Joint:	<b>YES</b>
Remarks:	<b>REPLACED WITH PVC.</b>

---

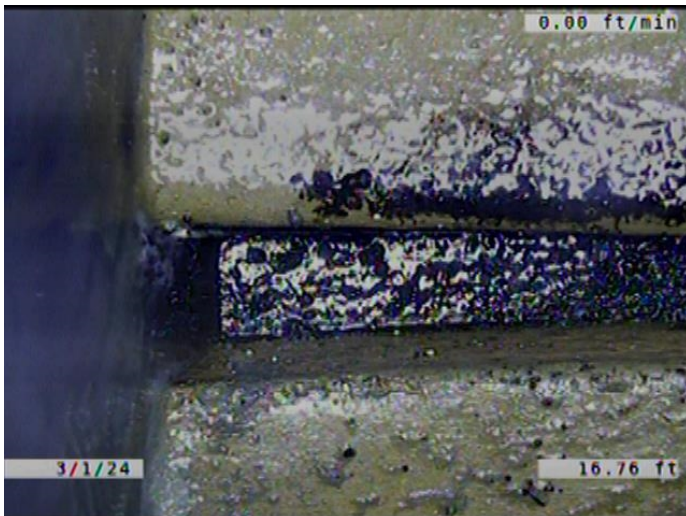




Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

Distance (ft): **10.8**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **30.000**  
Continuous Index: **S02**  
Within 8" of Joint: **NO**  
Remarks:

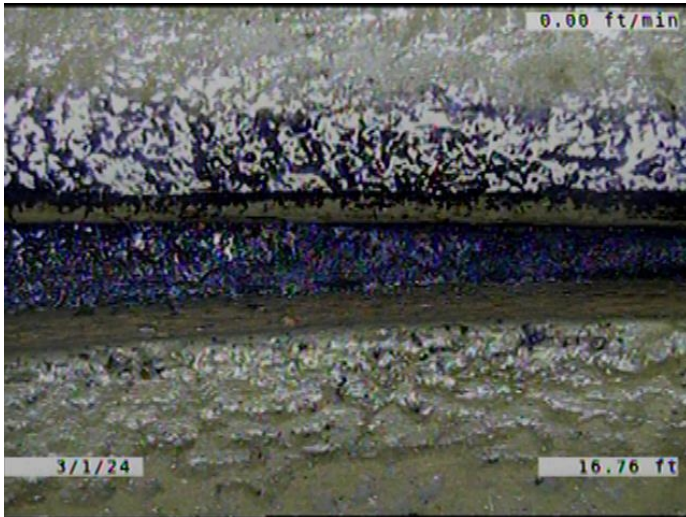
---



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

Distance (ft): **16.8**  
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:	<b>DAE</b>
Description:	<b>Deposits Attached Encrustation</b>
Distance (ft):	<b>16.8</b>
Structural Grade:	<b>0</b>
O&M Grade:	<b>2</b>
Clock Start/From:	<b>8</b>
Clock To:	<b>4</b>
1st Value:	
2nd Value:	
Value Percent:	<b>5.000</b>
Continuous Index:	<b>S03</b>
Within 8" of Joint:	<b>YES</b>
Remarks:	

---



Code:	<b>MWLS</b>
Description:	<b>Miscellaneous Water Level Sag</b>
Distance (ft):	<b>22.8</b>
Structural Grade:	<b>2</b>
O&M Grade:	<b>0</b>
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	<b>30.000</b>
Continuous Index:	<b>F02</b>
Within 8" of Joint:	<b>NO</b>
Remarks:	

---



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: **30.000**  
Continuous Index: **S04**  
Within 8" of Joint: **NO**  
Remarks:

---



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

Distance (ft): **128.1**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **30.000**  
Continuous Index: **F04**  
Within 8" of Joint: **NO**  
Remarks:

---





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

Distance (ft): **128.1**  
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:

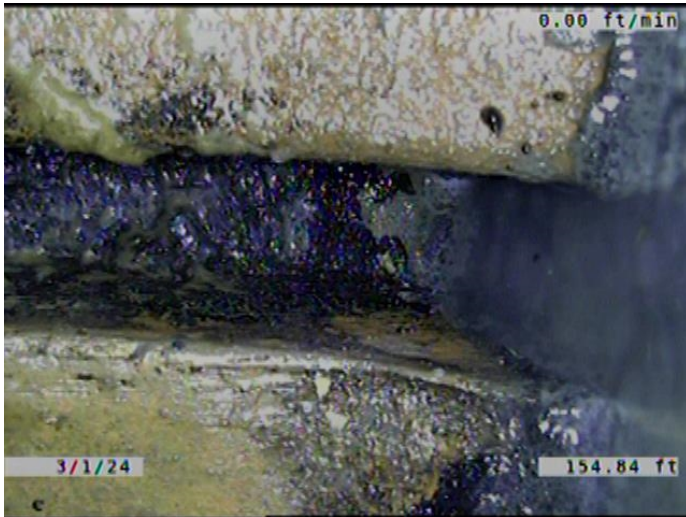
---



Code: **LD**  
Description: **Line Down**

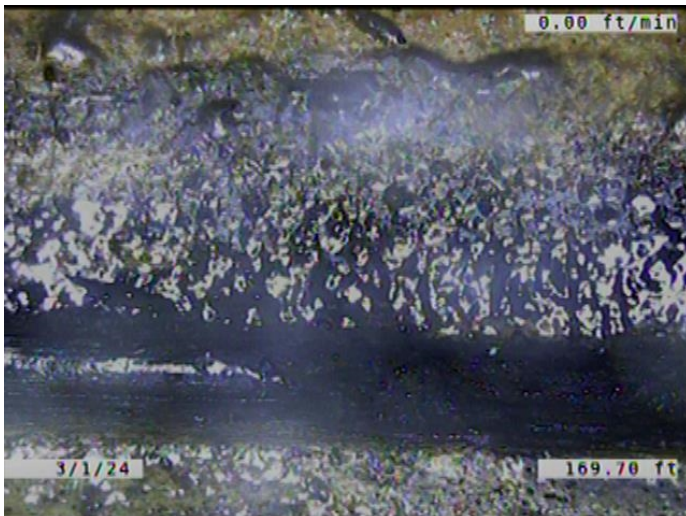
Distance (ft): **144.2**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

---



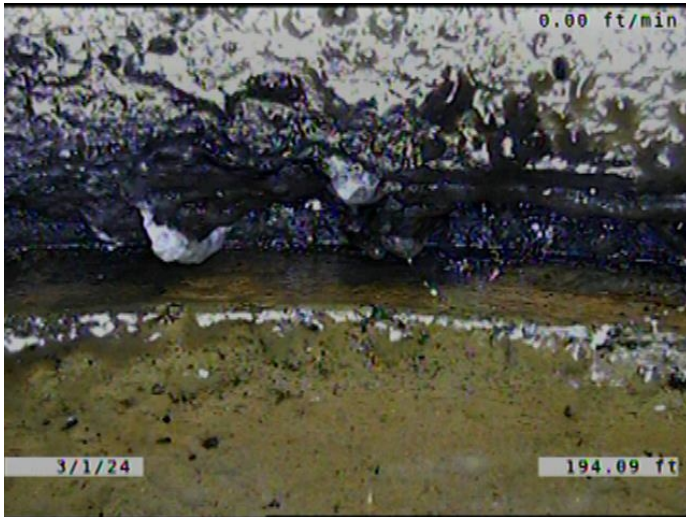
Code: **JAM**  
Description: **Joint Angular Medium**

Distance (ft): **154.8**  
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: **IRJ**  
Description: **Infiltration Runner Joint**

Distance (ft): **169.7**  
Structural Grade: **0**  
O&M Grade: **4**  
Clock Start/From: **11**  
Clock To: **1**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:



Code: **IDJ**  
Description: **Infiltration Dripper Joint**

Distance (ft): **194.1**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **11**  
Clock To: **12**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

---



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

Distance (ft): **198.2**  
Structural Grade: **0**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **25.000**  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

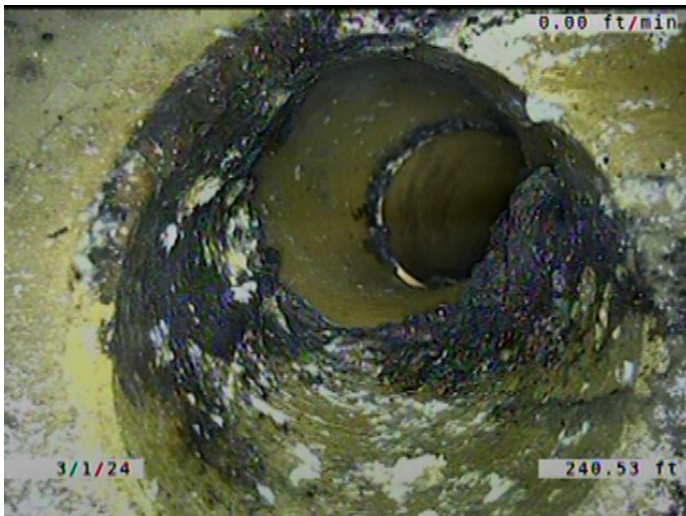
---





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

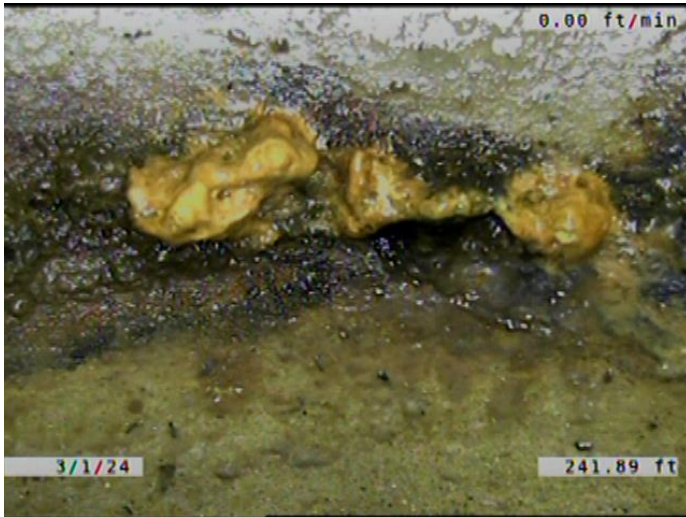
Distance (ft): **206.8**  
 Structural Grade: **0**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **35.000**  
 Continuous Index:  
 Within 8" of Joint: **NO**  
 Remarks:



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

Distance (ft): **240.5**  
 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: **CONSTANTLY RUNNING WATER.**

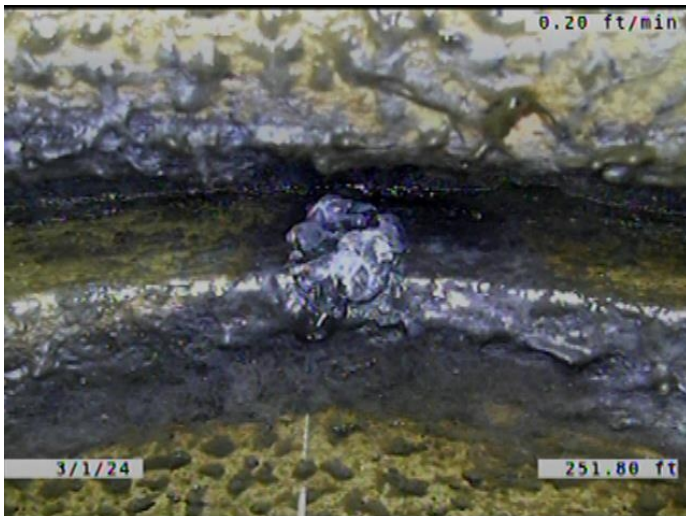




Code: IDJ  
Description: Infiltration Dripper Joint

Distance (ft): 241.9  
Structural Grade: 0  
O&M Grade: 3  
Clock Start/From: 11  
Clock To: 12  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: YES  
Remarks:

---



Code: IDJ  
Description: Infiltration Dripper Joint

Distance (ft): 251.8  
Structural Grade: 0  
O&M Grade: 3  
Clock Start/From: 12  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: YES  
Remarks:

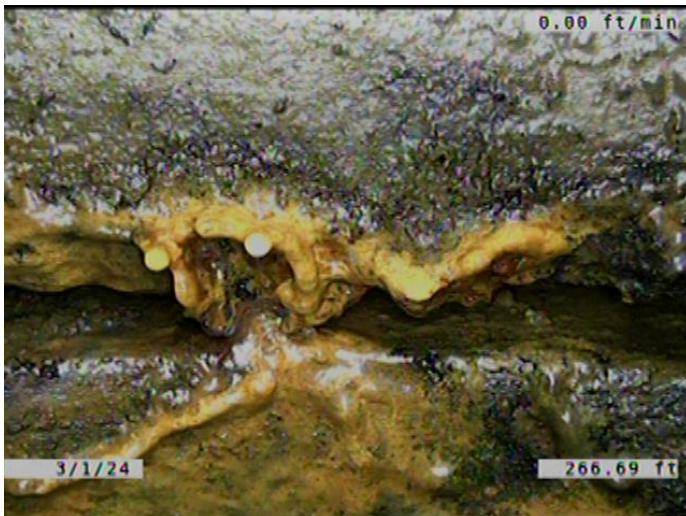
---



Code: **DAGS**  
Description: **Deposits Attached Grease**

Distance (ft): **252.8**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **3**  
Clock To: **9**  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index: **S05**  
Within 8" of Joint: **YES**  
Remarks:

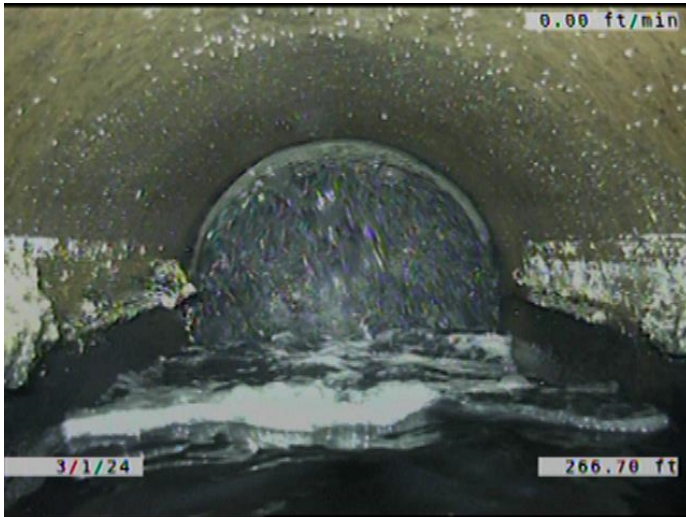
---



Code: **IDJ**  
Description: **Infiltration Dripper Joint**

Distance (ft): **266.7**  
Structural Grade: **0**  
O&M Grade: **3**  
Clock Start/From: **11**  
Clock To: **12**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

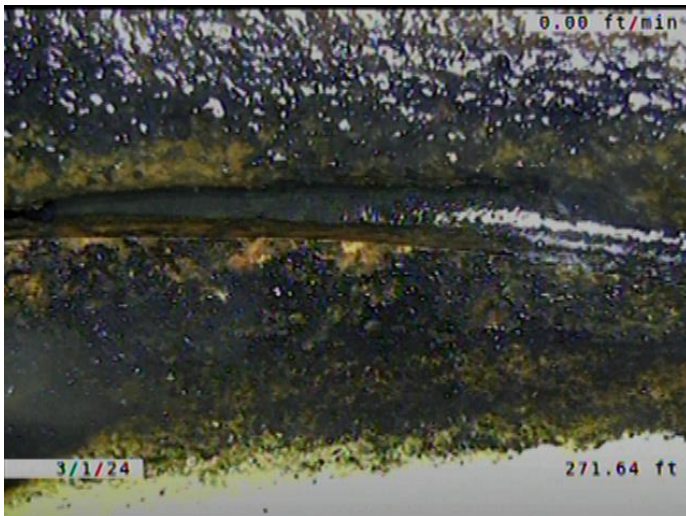
---



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

Distance (ft): **266.7**  
Structural Grade: **5**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **85.000**  
Continuous Index: **S06**  
Within 8" of Joint: **NO**  
Remarks:

---

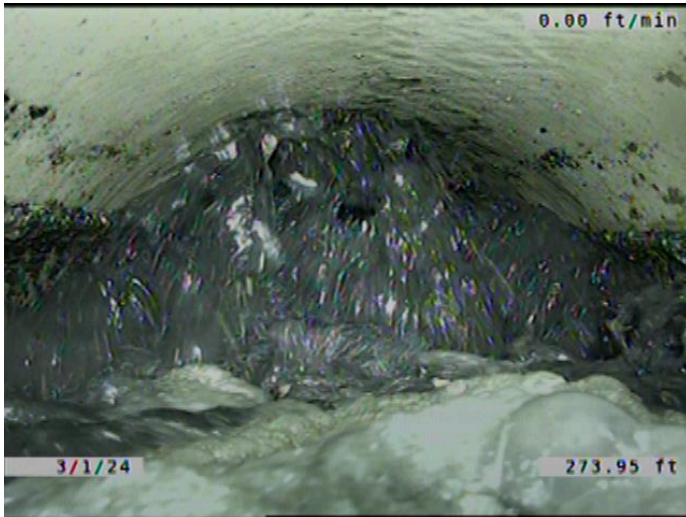


Code: **RPRD**  
Description: **Point Repair Replacement Defective**

Distance (ft): **271.6**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **S08**  
Within 8" of Joint: **YES**  
Remarks: **REPLACED WITH PVC**

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Code:	<b>MGO</b>
Description:	<b>Miscellaneous General Observation</b>
Distance (ft):	<b>274.0</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>-10% INCLINE AT THIS POINT.</b>

---



Code:	<b>MCU</b>
Description:	<b>Miscellaneous Camera Underwater</b>
Distance (ft):	<b>278.4</b>
Structural Grade:	<b>0</b>
O&M Grade:	<b>4</b>
Clock Start/From:	
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	<b>S07</b>
Within 8" of Joint:	<b>NO</b>
Remarks:	

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

Distance (ft): **292.4**  
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: **RPRD**  
Description: **Point Repair Replacement Defective**

Distance (ft): **292.4**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **F08**  
Within 8" of Joint: **YES**  
Remarks: **REPLACED WITH PVC**

---



Code: **MCU**  
Description: **Miscellaneous Camera Underwater**

Distance (ft): **292.4**  
Structural Grade: **0**  
O&M Grade: **4**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **F07**  
Within 8" of Joint: **NO**  
Remarks:

---



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

Distance (ft): **310.2**  
Structural Grade: **5**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **85.000**  
Continuous Index: **F06**  
Within 8" of Joint: **NO**  
Remarks:

---



Code: **DAGS**  
Description: **Deposits Attached Grease**

Distance (ft): **322.4**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **3**  
Clock To: **9**  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index: **F05**  
Within 8" of Joint: **YES**  
Remarks:

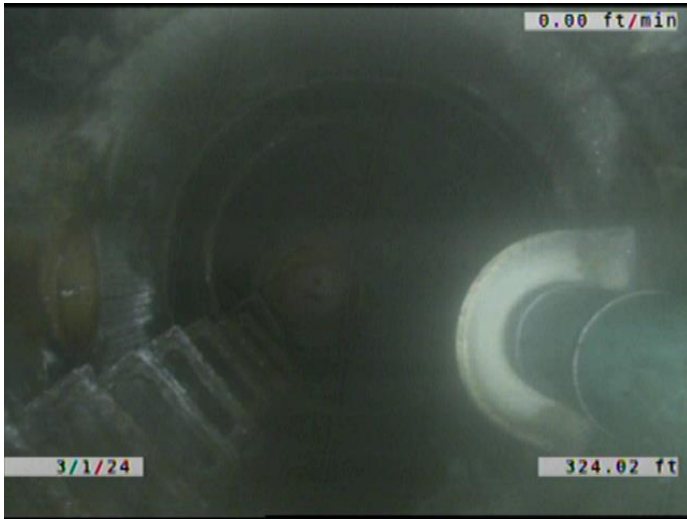
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Code: **DAE**  
Description: **Deposits Attached Encrustation**

Distance (ft): **322.4**  
Structural Grade: **0**  
O&M Grade: **2**  
Clock Start/From: **8**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index: **F03**  
Within 8" of Joint: **YES**  
Remarks:

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Code:	AMH
Description:	Manhole
Distance (ft):	324.0
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-805-018