

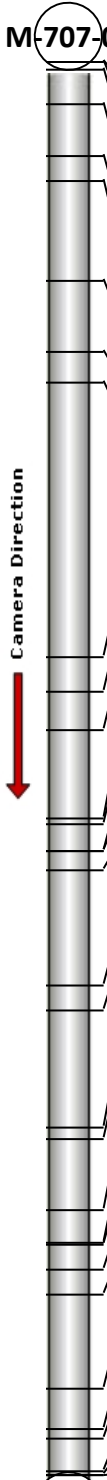
## Profile/Photo Observation Report

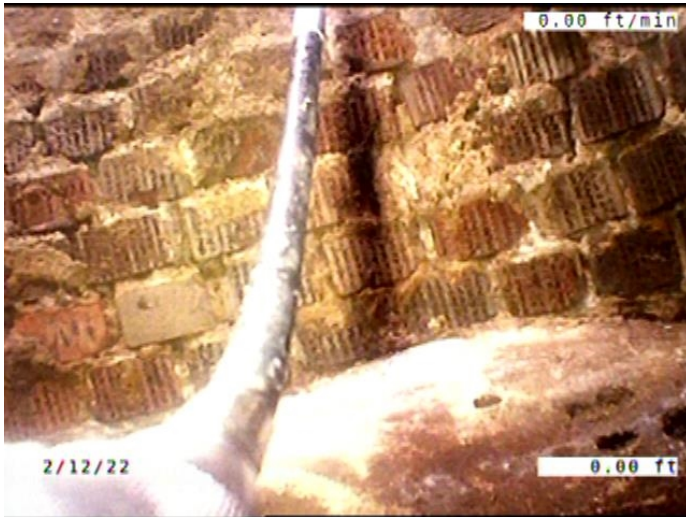


Date:	<b>02/12/2022</b>	Weather:		Coding:	<b>PACP 7.0</b>
Pipe Length (ft):	<b>329.0</b>	Owner:	<b>City of Hobart</b>	Pre Clean:	<b>Heavy Cleaning</b>
P.O.#:	<b>YES502259</b>	Surveyor:	<b>S. Bucklin</b>	PSR:	<b>P-707-031-013</b>
Customer:	<b>City of Hobart</b>	Clean Date:	<b>02/11/2022</b>	Shape:	<b>C</b>

Street:	<b>East 11th Street</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>Routine Assessment</b>	Dia/Height:	<b>10"</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-707-031</b>	DS MH:	<b>M-707-013</b>
		Total Length Surveyed (ft):	<b>271.4</b>

O&M Index:	<b>2.31</b>	O&M Quick:	<b>4522</b>	O&M Rating:	<b>30.00</b>
Structural Index:	<b>3.17</b>	Structural Quick:	<b>5741</b>	Structural Rating:	<b>73.00</b>
Overall Index:	<b>2.86</b>	Overall Quick:	<b>5746</b>	Overall Rating:	<b>103.00</b>

	Position	Code	Observation	Video (sec)	Grade
 Camera Direction	M-707-031				
	.0	AMH	Manhole	1	NA
	.0	MWL	Miscellaneous Water Level	11	NA
	1.5	MGO	Miscellaneous General Observation	18	NA
	8.0	JAM	Joint Angular Medium	83	S 3
	18.0	RFJ	Roots Fine Joint	146	M 1
	23.0	RFJ(S01)	Roots Fine Joint	190	M 1
	41.9	RFJ(F01)	Roots Fine Joint	322	M 1
	55.5	MWLS(S02)	Miscellaneous Water Level Sag	372	S 2
	61.7	MWLS(F02)	Miscellaneous Water Level Sag	411	S 2
	114.2	MWLS(S03)	Miscellaneous Water Level Sag	592	S 2
	120.8	MWLS(F03)	Miscellaneous Water Level Sag	622	S 2
	128.3	MWLS(S04)	Miscellaneous Water Level Sag	662	S 2
	145.4	MWLS(F04)	Miscellaneous Water Level Sag	733	S 2
	146.4	MWLS(S05)	Miscellaneous Water Level Sag	750	S 2
	151.6	JAM	Joint Angular Medium	790	S 3
	151.6	OBJ	Obstruction Wedged In The Joint	809	M 2
	155.3	MWLS(F05)	Miscellaneous Water Level Sag	836	S 2
	177.2	JAM	Joint Angular Medium	948	S 3
	182.2	RFJ	Roots Fine Joint	1012	M 1
	204.6	MWLS(S06)	Miscellaneous Water Level Sag	1101	S 2
	206.9	JAM	Joint Angular Medium	1127	S 3
	220.6	MWLS(F06)	Miscellaneous Water Level Sag	1186	S 2
	226.9	B	Broken	1286	S 4
	227.1	MWLS(S07)	Miscellaneous Water Level Sag	1305	S 5
	231.9	MCU(S08)	Miscellaneous Camera Underwater	1334	M 4
	236.7	MMC	Miscellaneous Material Change	1392	NA
	254.7	MCU(F08)	Miscellaneous Camera Underwater	1531	M 4
	262.6	MWLS(F07)	Miscellaneous Water Level Sag	1576	S 5
	264.4	MMC	Miscellaneous Material Change	1627	NA
	270.7	SSS	Surface Damage Surface Spalling	1693	S 2
	271.3	TBI	Tap Break-in Intruding	1721	M 2
	271.4	MSA	Miscellaneous Survey Abandoned	1735	NA
	M-707-013				



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-707-031**

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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:

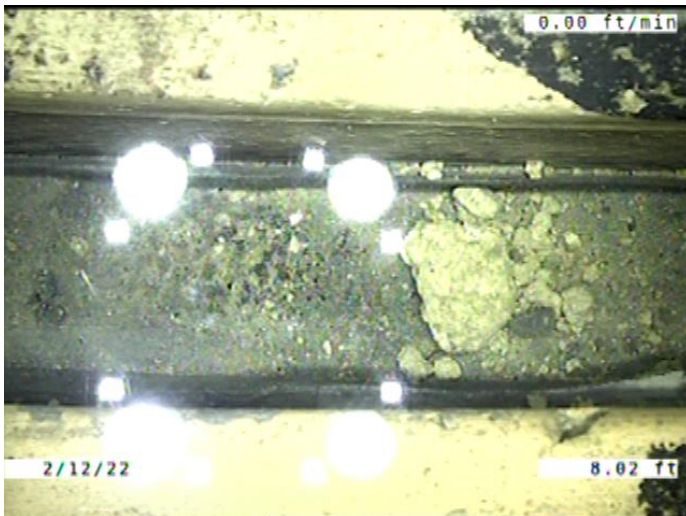
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Code: **MGO**  
Description: **Miscellaneous General Observation**

Distance (ft): **1.5**  
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: **DROP INTO THE MANHOLE. HAD TO START IN THE PIPE.**

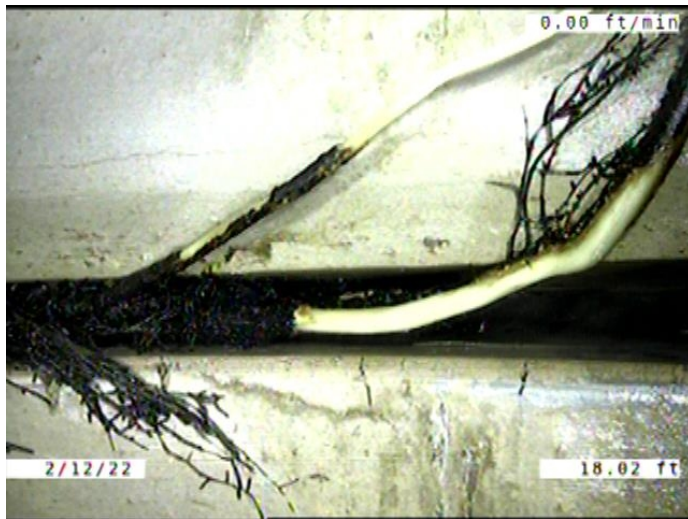
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Code: **JAM**  
Description: **Joint Angular Medium**

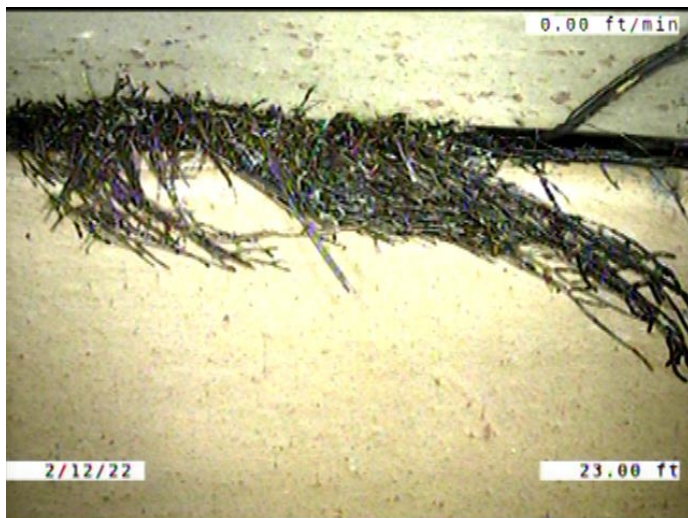
Distance (ft): **8.0**  
Structural Grade: **3**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

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

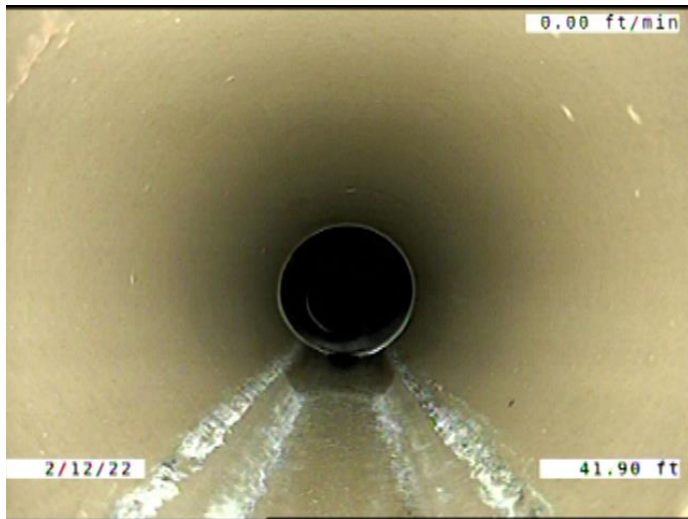
Distance (ft): **18.0**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From: **7**  
 Clock To: **9**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

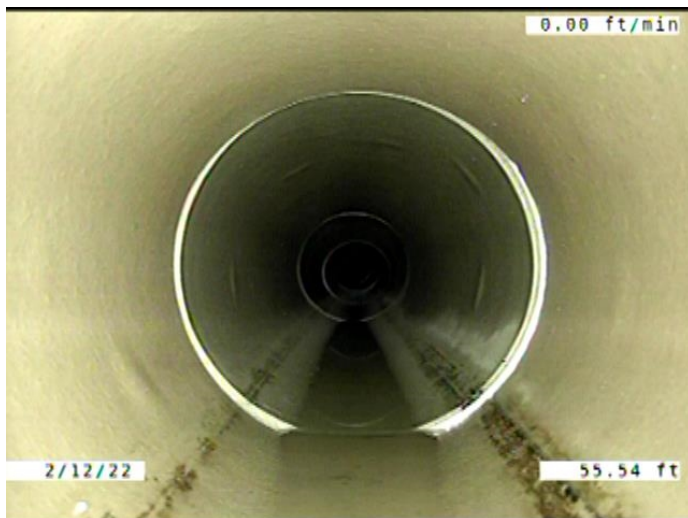
Distance (ft): **23.0**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From: **7**  
 Clock To: **5**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index: **S01**  
 Within 8" of Joint: **YES**  
 Remarks:





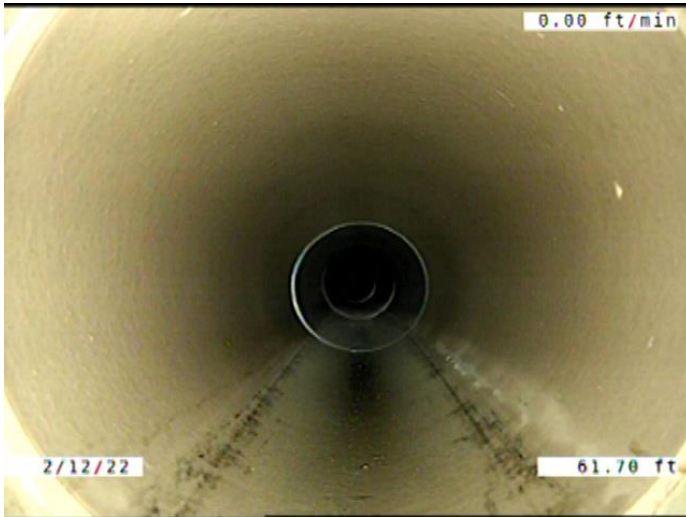
Code: **RFJ**  
 Description: **Roots Fine Joint**

Distance (ft): **41.9**  
 Structural Grade: **0**  
 O&M Grade: **1**  
 Clock Start/From: **7**  
 Clock To: **5**  
 1st Value:  
 2nd Value:  
 Value Percent:  
 Continuous Index: **F01**  
 Within 8" of Joint: **YES**  
 Remarks:



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

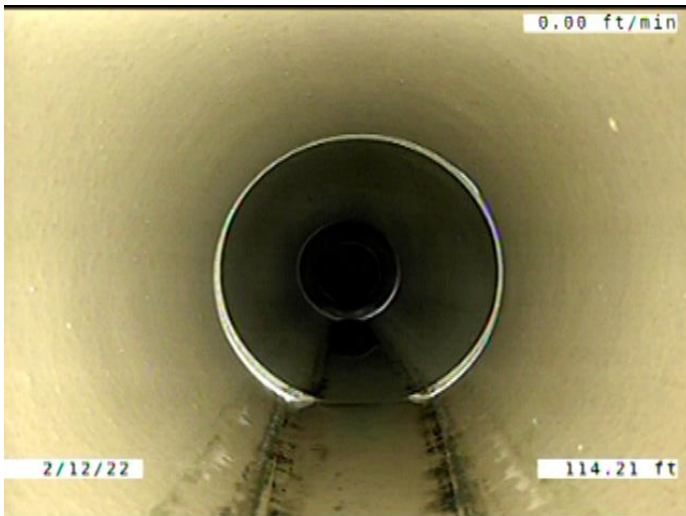
Distance (ft): **55.5**  
 Structural Grade: **2**  
 O&M Grade: **0**  
 Clock Start/From:  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index: **S02**  
 Within 8" of Joint: **NO**  
 Remarks:



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

Distance (ft): **61.7**  
Structural Grade: **2**  
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:

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

Distance (ft): **114.2**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index: **S03**  
Within 8" of Joint: **NO**  
Remarks:

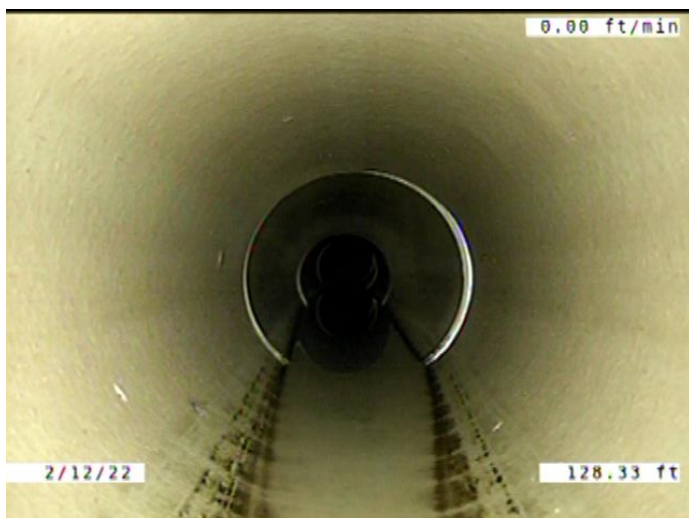
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Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

Distance (ft): **120.8**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index: **F03**  
Within 8" of Joint: **NO**  
Remarks:

---

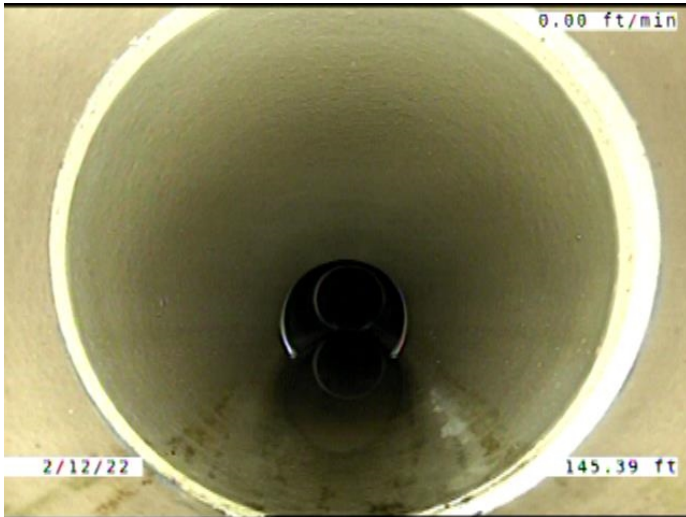


Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

Distance (ft): **128.3**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **10.000**  
Continuous Index: **S04**  
Within 8" of Joint: **NO**  
Remarks:

---

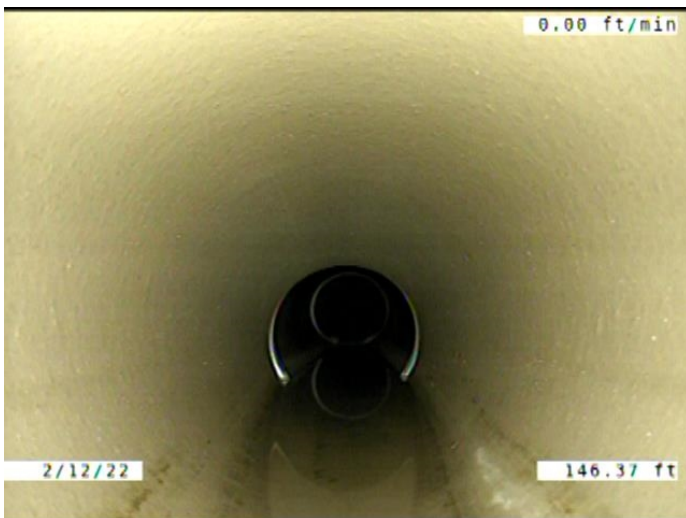




Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

Distance (ft): **145.4**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **10.000**  
Continuous Index: **F04**  
Within 8" of Joint: **NO**  
Remarks:

---



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

Distance (ft): **146.4**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **10.000**  
Continuous Index: **S05**  
Within 8" of Joint: **NO**  
Remarks:

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

Distance (ft): **151.6**  
 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: **OBJ**  
 Description: **Obstruction Wedged In The Joint**

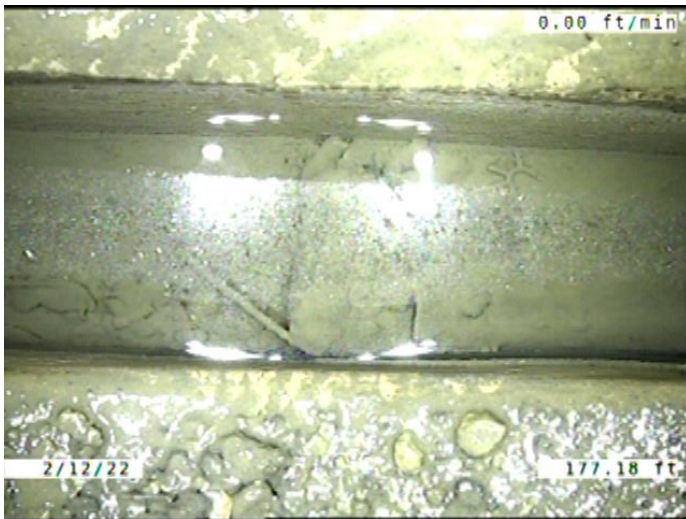
Distance (ft): **151.6**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **6**  
 Clock To:  
 1st Value:  
 2nd Value:  
 Value Percent: **5.000**  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks:



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

Distance (ft): **155.3**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **10.000**  
Continuous Index: **F05**  
Within 8" of Joint: **NO**  
Remarks:

---



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

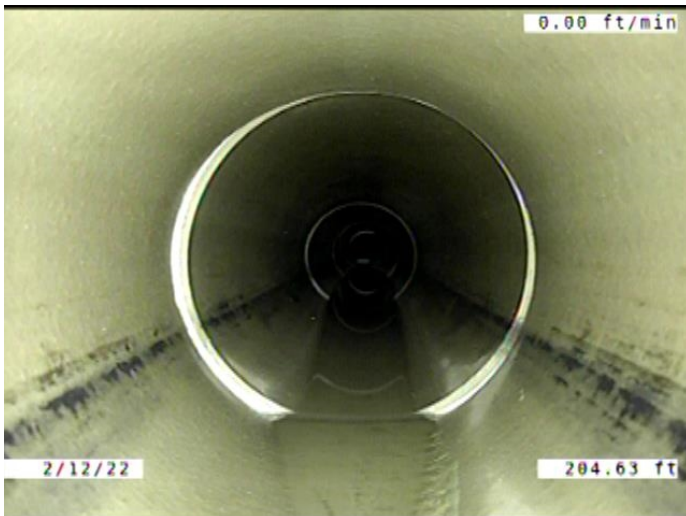
Distance (ft): **177.2**  
Structural Grade: **3**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **NO**  
Remarks:

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

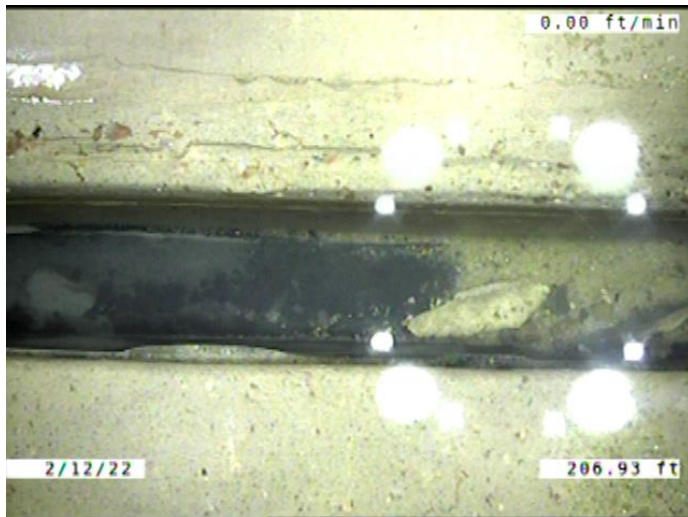
Distance (ft): **182.2**  
Structural Grade: **0**  
O&M Grade: **1**  
Clock Start/From: **8**  
Clock To: **4**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:



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

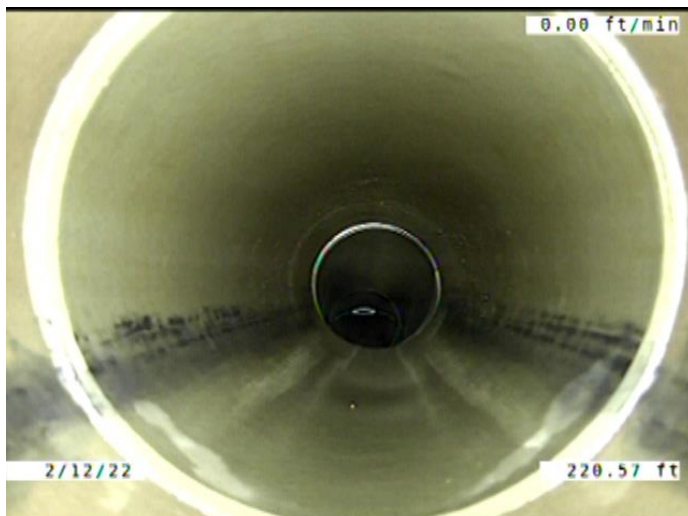
Distance (ft): **204.6**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index: **S06**  
Within 8" of Joint: **NO**  
Remarks:





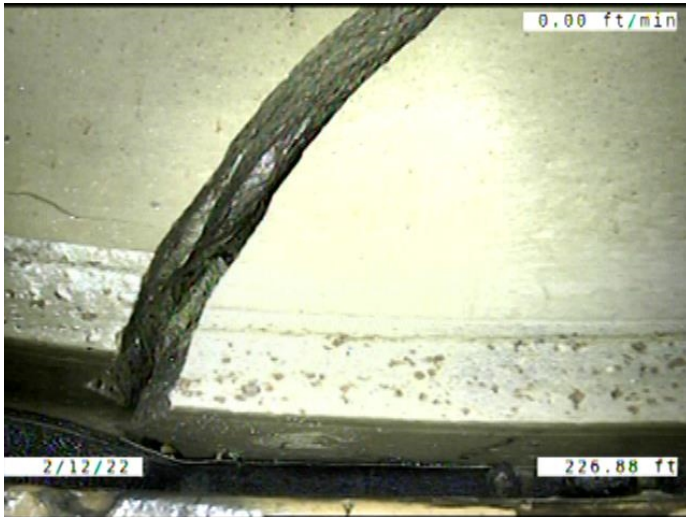
Code: **JAM**  
Description: **Joint Angular Medium**

Distance (ft): **206.9**  
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: **MWLS**  
Description: **Miscellaneous Water Level Sag**

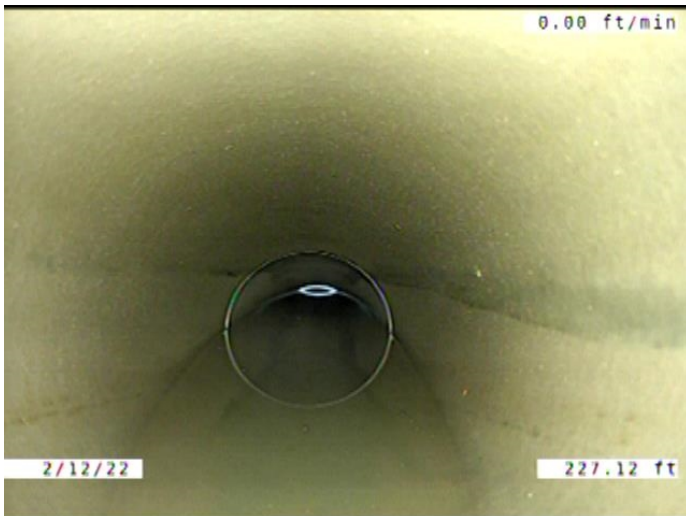
Distance (ft): **220.6**  
Structural Grade: **2**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **5.000**  
Continuous Index: **F06**  
Within 8" of Joint: **NO**  
Remarks:



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

Distance (ft): **226.9**  
Structural Grade: **4**  
O&M Grade: **0**  
Clock Start/From: **2**  
Clock To: **9**  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index:  
Within 8" of Joint: **YES**  
Remarks:

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

Distance (ft): **227.1**  
Structural Grade: **5**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **100.000**  
Continuous Index: **S07**  
Within 8" of Joint: **NO**  
Remarks:

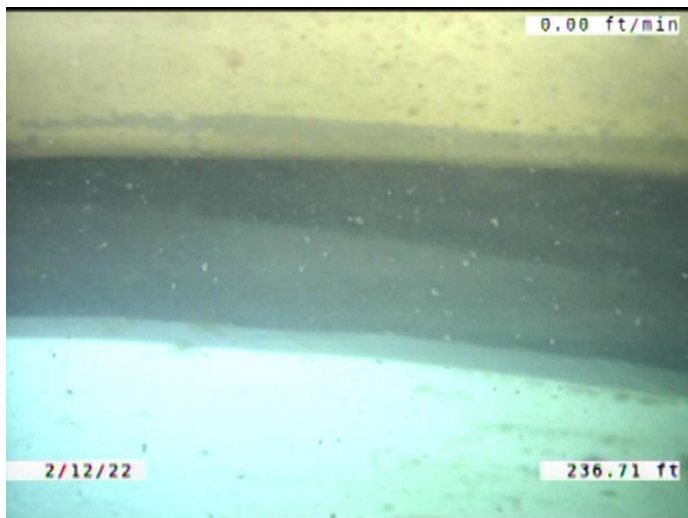
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Code: **MCU**  
Description: **Miscellaneous Camera Underwater**

Distance (ft): **231.9**  
Structural Grade: **0**  
O&M Grade: **4**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **S08**  
Within 8" of Joint: **NO**  
Remarks:

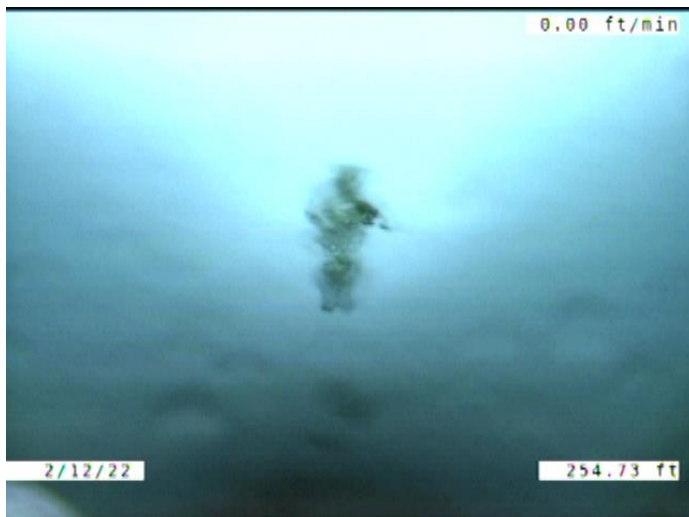
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Code: **MMC**  
Description: **Miscellaneous Material Change**

Distance (ft): **236.7**  
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: **VCP TO PVC**

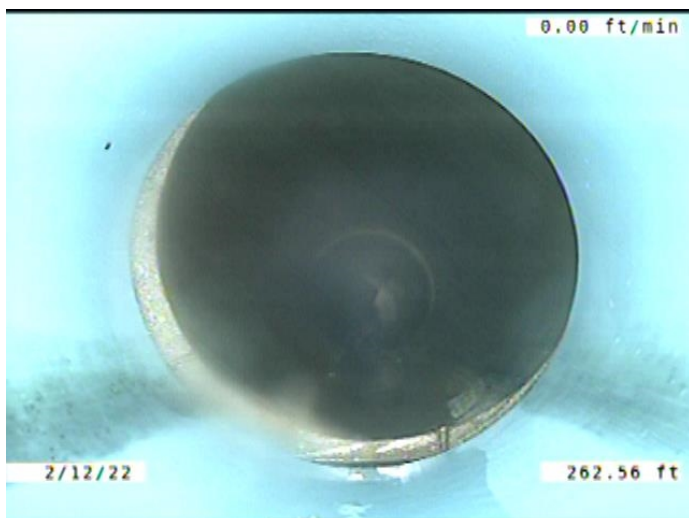
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Code: **MCU**  
Description: **Miscellaneous Camera Underwater**

Distance (ft): **254.7**  
Structural Grade: **0**  
O&M Grade: **4**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent:  
Continuous Index: **F08**  
Within 8" of Joint: **NO**  
Remarks:

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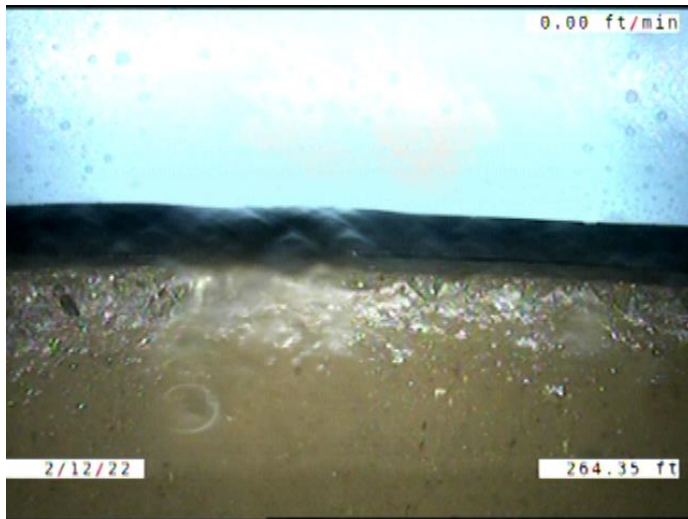


Code: **MWLS**  
Description: **Miscellaneous Water Level Sag**

Distance (ft): **262.6**  
Structural Grade: **5**  
O&M Grade: **0**  
Clock Start/From:  
Clock To:  
1st Value:  
2nd Value:  
Value Percent: **100.000**  
Continuous Index: **F07**  
Within 8" of Joint: **NO**  
Remarks:

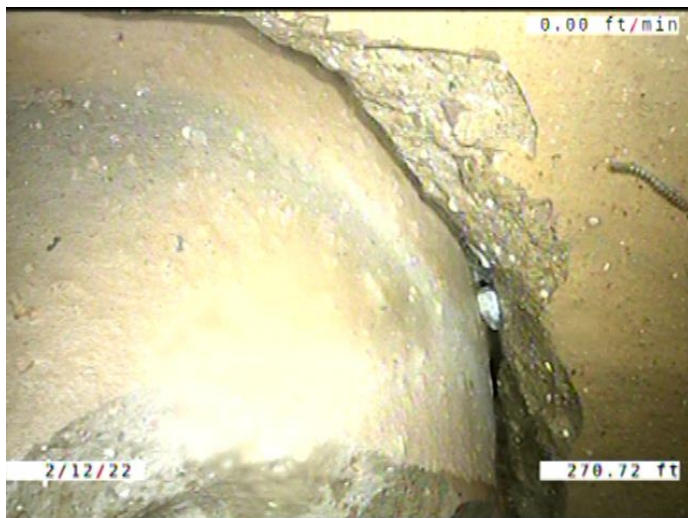
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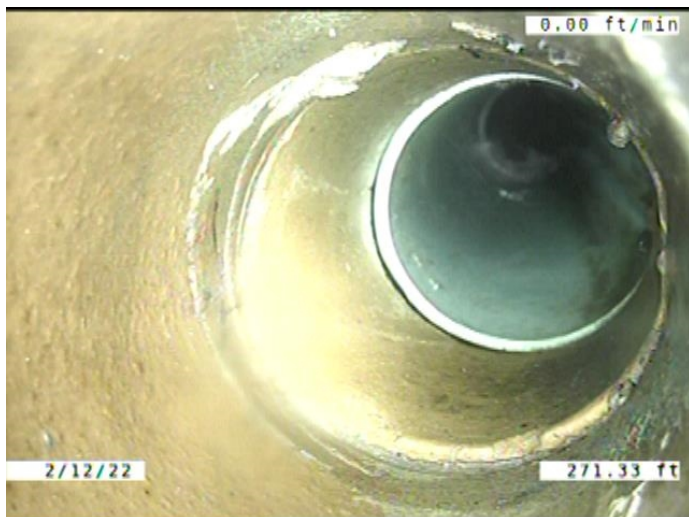
Code: **MMC**  
 Description: **Miscellaneous Material Change**

Distance (ft): **264.4**  
 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: **SSS**  
 Description: **Surface Damage Surface Spalling**

Distance (ft): **270.7**  
 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: **YES**  
 Remarks:



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

Distance (ft): **271.3**  
 Structural Grade: **0**  
 O&M Grade: **2**  
 Clock Start/From: **2**  
 Clock To:  
 1st Value: **6.000**  
 2nd Value: **3.000**  
 Value Percent:  
 Continuous Index:  
 Within 8" of Joint: **YES**  
 Remarks: **Active**



Code: **MSA**  
 Description: **Miscellaneous Survey Abandoned**

Distance (ft): **271.4**  
 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 PROTRUDING TAP.**