

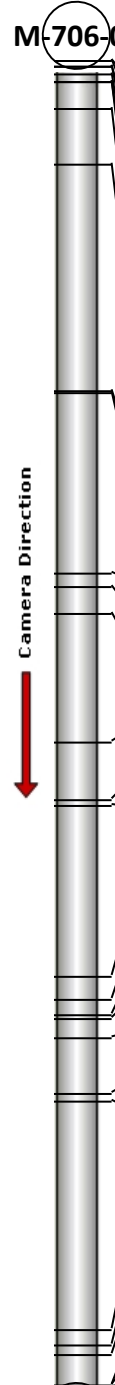
Profile/Photo Observation Report

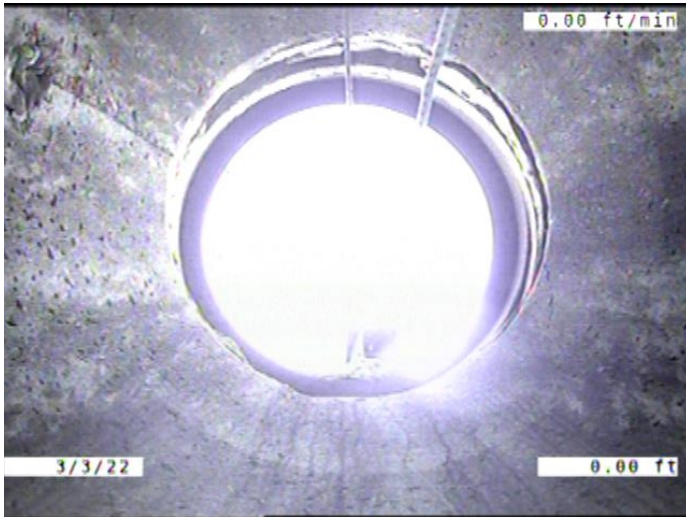


Date:	03/03/2022	Weather:		Coding:	PACP 7.0
Pipe Length (ft):	259.0	Owner:	City of Hobart	Pre Clean:	Heavy Cleaning
P.O.#:	YES502259	Surveyor:	S. Bucklin	PSR:	P-706-008-049
Customer:	City of Hobart, IN (Red	Clean Date:	02/23/2022	Shape:	C

Street:	South Garfield Street	Flow Control:	Not Controlled
City:	Hobart, IN	Year Renewed:	
Location:	Local rural streets with light traffic, t	Tape/Media #:	
Purpose:	Routine Assessment	Dia/Height:	8"
Use:	Sanitary Sewage Pipe	Material:	VCP
Drain Area:		Lining:	None
Category:	NA		
Comment:			
Location Details:		Direction of Survey:	Upstream
US MH:	M-706-008	DS MH:	M-706-049
		Total Length Surveyed (ft):	70.0

O&M Index:	1.81	O&M Quick:	322B	O&M Rating:	47.00
Structural Index:	3.47	Structural Quick:	5342	Structural Rating:	59.00
Overall Index:	2.47	Overall Quick:	5342	Overall Rating:	106.00

	Position	Code	Observation	Video (sec)	Grade
	.0	AMH	Manhole	1	NA
	.0	MWL	Miscellaneous Water Level	67	NA
	.3	DSF(S02)	Deposits Settled Fine	112	M 2
	.3	DR	Deformed Rigid	130	S 4
	.7	TFD	Tap Factory Defective	152	M 3
	1.1	RFJ	Roots Fine Joint	205	M 1
	1.1	JOMD	Joint Offset Medium Defective	217	S 3
	2.5	TFC	Tap Factory Capped	243	NA
	5.5	RFJ(S03)	Roots Fine Joint	300	M 1
	17.5	CM	Crack Multiple	366	S 3
	17.6	JOLD	Joint Offset Large Defective	384	S 4
	27.1	TFC	Tap Factory Capped	442	NA
	27.8	JOMD(S04)	Joint Offset Medium Defective	463	S 3
	29.2	TFA	Tap Factory Activity	499	NA
	36.0	RFJ(F03)	Roots Fine Joint	551	M 1
	39.1	HVV	Hole Void Visible	609	S 5
	39.4	TB	Tap Break-in/Hammer	632	NA
	48.4	JOMD	Joint Offset Medium Defective	687	S 3
	49.6	TFC	Tap Factory Capped	709	NA
	50.4	SMW	Surface Damage Missing Wall	723	S 5
	50.6	JOMD	Joint Offset Medium Defective	738	S 3
	51.6	TFC	Tap Factory Capped	764	NA
	54.6	TBI	Tap Break-in Intruding	830	M 2
	55.0	BVV	Broken Void Visible	877	S 5
	67.1	TBI	Tap Break-in Intruding	1002	M 2
	67.9	OBM	Obstruction Pipe Material in Invert	1079	M 2
	68.4	TBD	Tap Break-in/Hammer Defective	1139	M 3
	70.0	DSF(F02)	Deposits Settled Fine	1197	M 2
	70.0	JOMD(F04)	Joint Offset Medium Defective	1206	S 3
	70.0	MSA	Miscellaneous Survey Abandoned	1239	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-706-049**



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: **10.000**
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



Code: **DSF**
 Description: **Deposits Settled Fine**

Distance (ft): **.3**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **5**
 Clock To: **7**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index: **S02**
 Within 8" of Joint: **YES**
 Remarks:



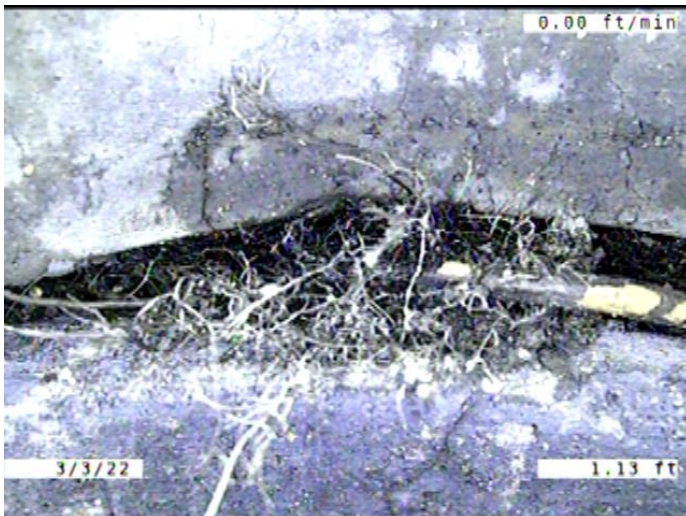
Code: **DR**
 Description: **Deformed Rigid**

Distance (ft): **.3**
 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: **TFD**
 Description: **Tap Factory Defective**

Distance (ft): **.7**
 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: **ROOTS GROWING FROM THE SERVICE CONNECTION.**



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

Distance (ft): **1.1**
 Structural Grade: **0**
 O&M Grade: **1**
 Clock Start/From: **8**
 Clock To: **12**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



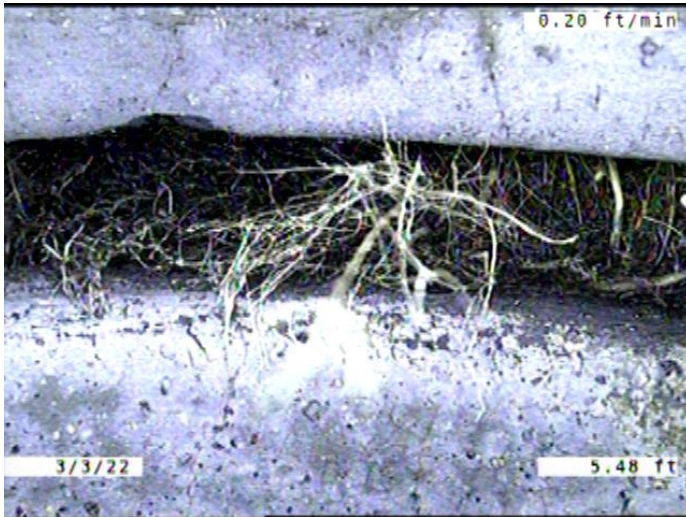
Code: **JOMD**
 Description: **Joint Offset Medium Defective**

Distance (ft): **1.1**
 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: **VOID AND SOIL VISIBLE**



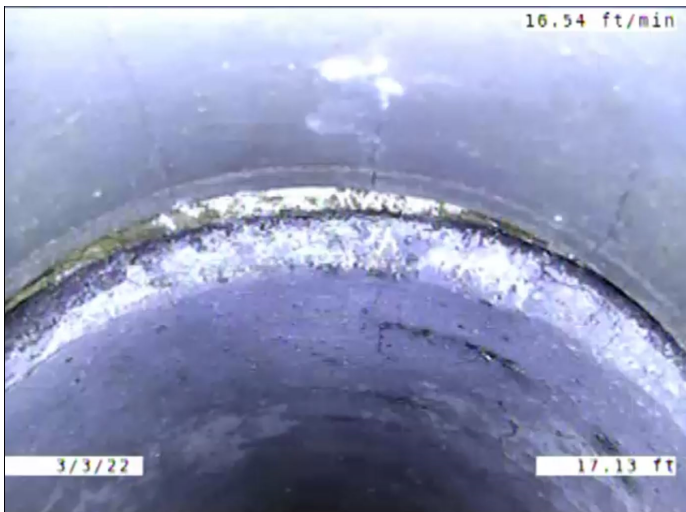
Code: **TFC**
 Description: **Tap Factory Capped**

Distance (ft): **2.5**
 Structural Grade: **0**
 O&M Grade: **0**
 Clock Start/From: **2**
 Clock To:
 1st Value: **4.000**
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



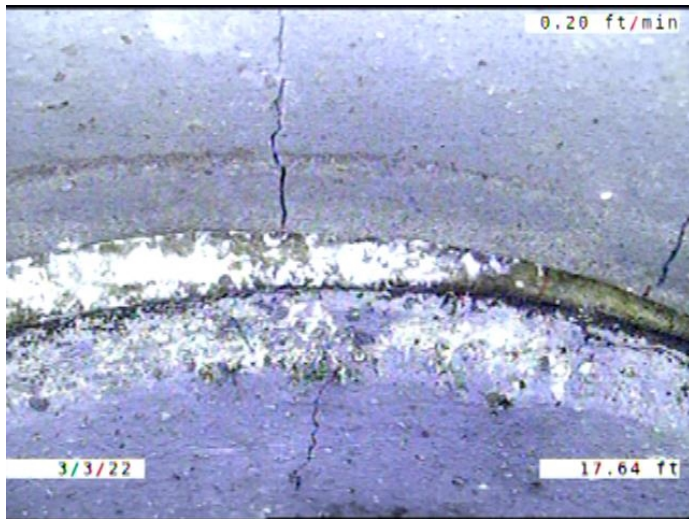
Code: **RFJ**
Description: **Roots Fine Joint**

Distance (ft): **5.5**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **8**
Clock To: **4**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **S03**
Within 8" of Joint: **YES**
Remarks:



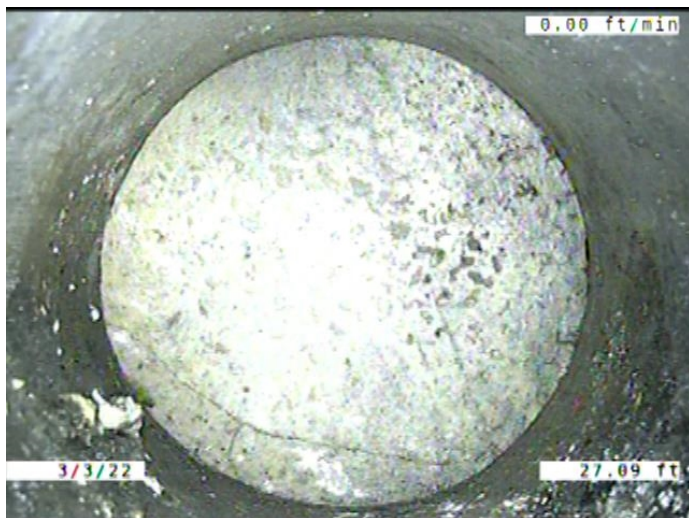
Code: **CM**
Description: **Crack Multiple**

Distance (ft): **17.5**
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:



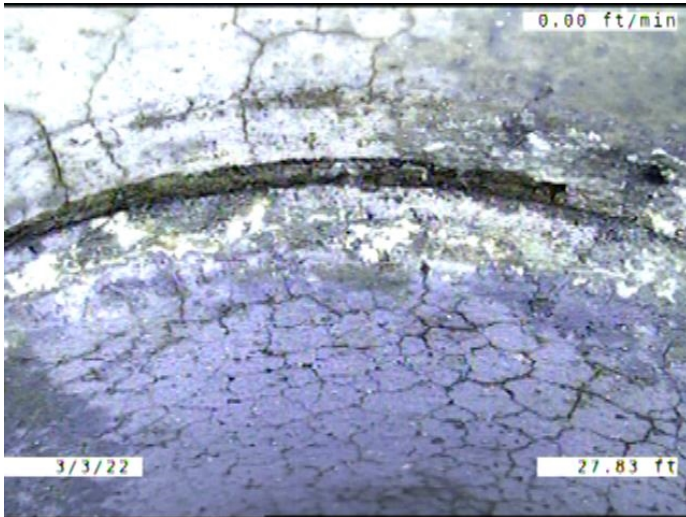
Code: **JOLD**
Description: **Joint Offset Large Defective**

Distance (ft): **17.6**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



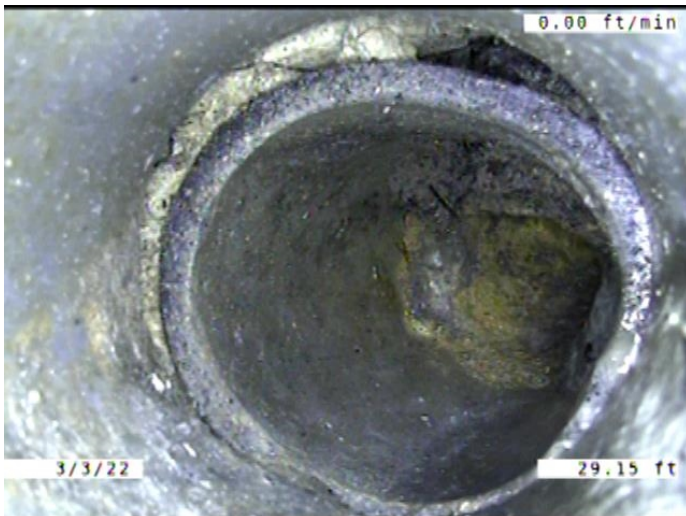
Code: **TFC**
Description: **Tap Factory Capped**

Distance (ft): **27.1**
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: **CAP CRACKED**



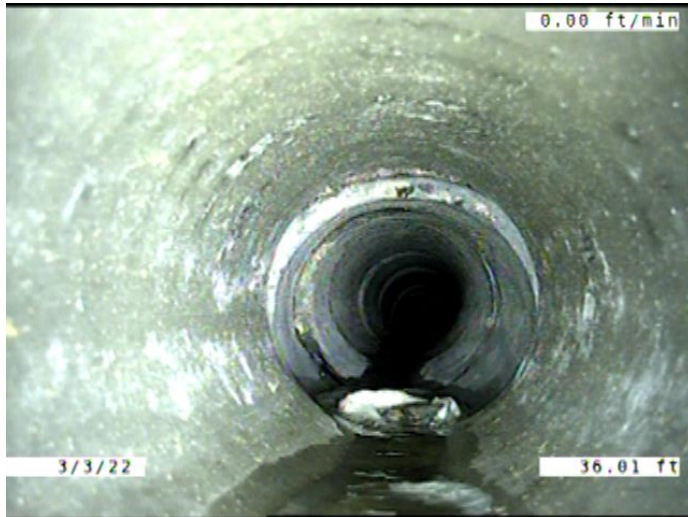
Code: **JOMD**
Description: **Joint Offset Medium Defective**

Distance (ft): **27.8**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index: **S04**
Within 8" of Joint: **NO**
Remarks:



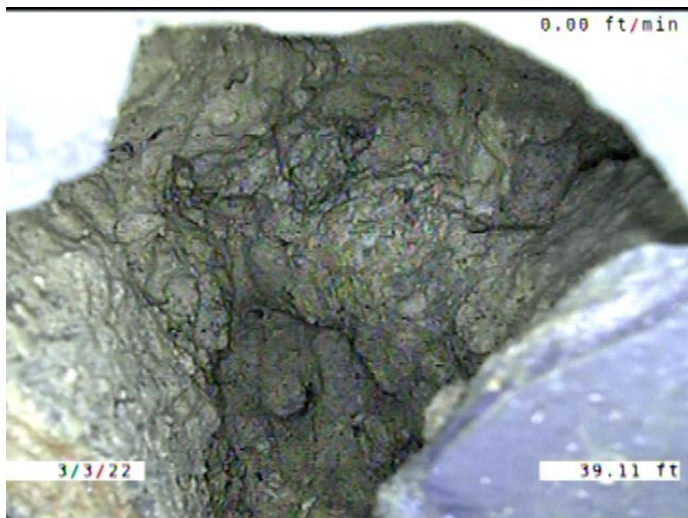
Code: **TFA**
Description: **Tap Factory Activity**

Distance (ft): **29.2**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **2**
Clock To:
1st Value: **4.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks: **SERVICE TO MAIN CONNECTION ARE DIFFERENT SIZES. LOOKS LIKE GROU**



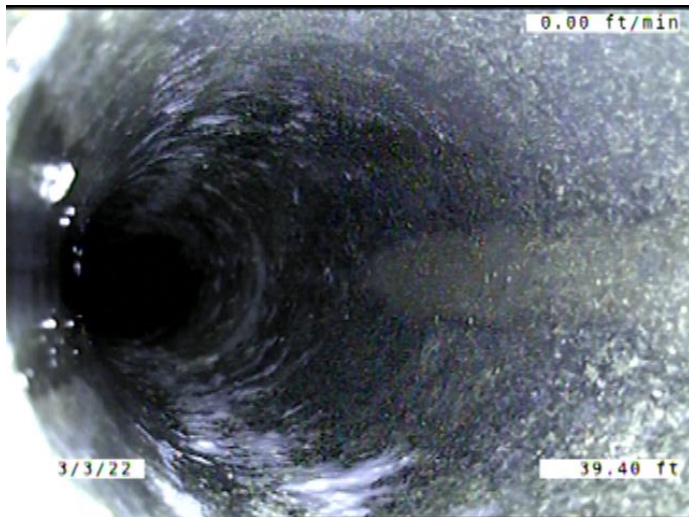
Code: **RFJ**
 Description: **Roots Fine Joint**

Distance (ft): **36.0**
 Structural Grade: **0**
 O&M Grade: **1**
 Clock Start/From: **8**
 Clock To: **4**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index: **F03**
 Within 8" of Joint: **YES**
 Remarks:



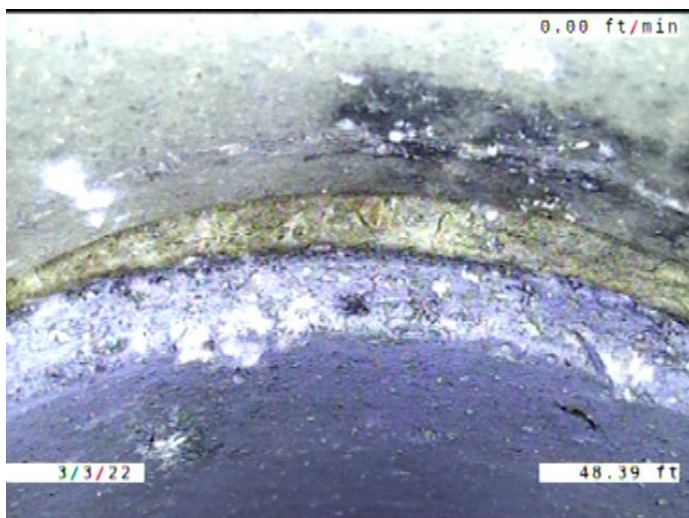
Code: **HVV**
 Description: **Hole Void Visible**

Distance (ft): **39.1**
 Structural Grade: **5**
 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: **SOIL VISIBLE TOO**



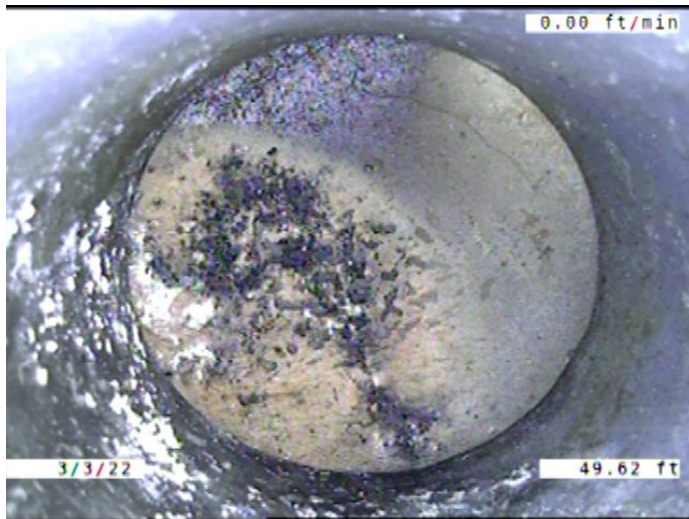
Code: **TB**
 Description: **Tap Break-in/Hammer**

Distance (ft): **39.4**
 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:



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

Distance (ft): **48.4**
 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:



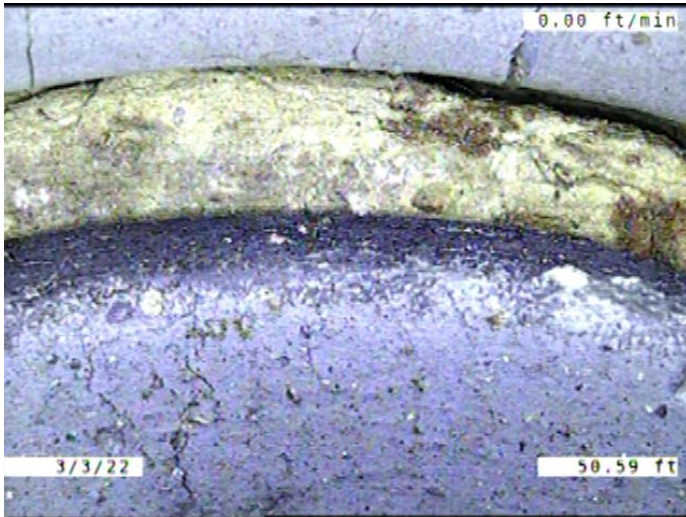
Code: **TFC**
Description: **Tap Factory Capped**

Distance (ft): **49.6**
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:



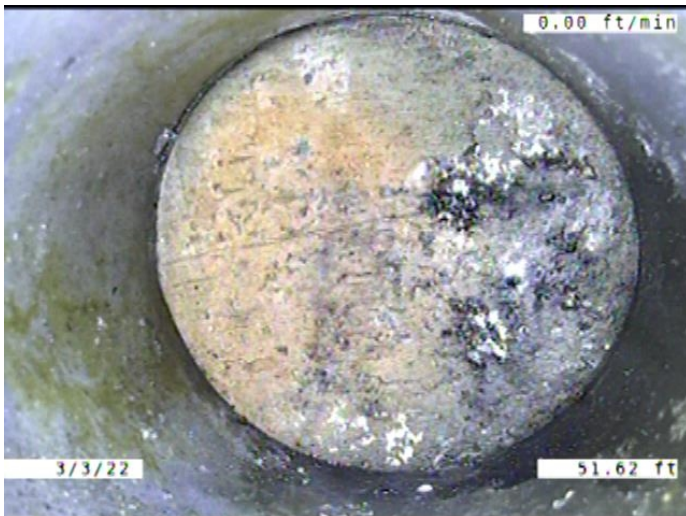
Code: **SMW**
Description: **Surface Damage Missing Wall**

Distance (ft): **50.4**
Structural Grade: **5**
O&M Grade: **0**
Clock Start/From: **12**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



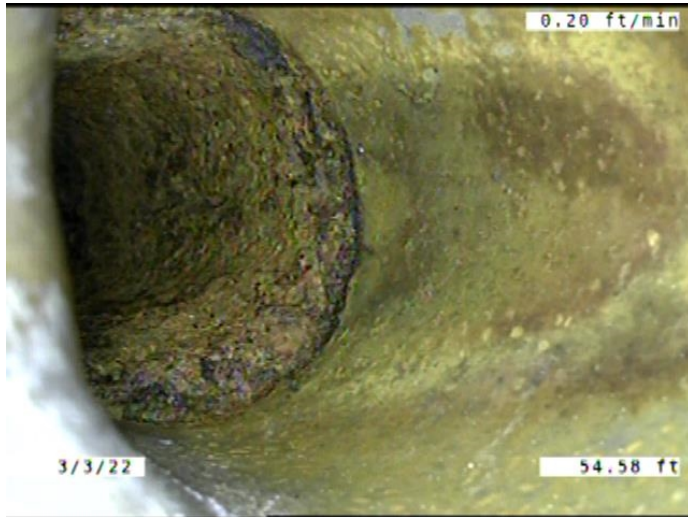
Code: **JOMD**
 Description: **Joint Offset Medium Defective**

Distance (ft): **50.6**
 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: **TFC**
 Description: **Tap Factory Capped**

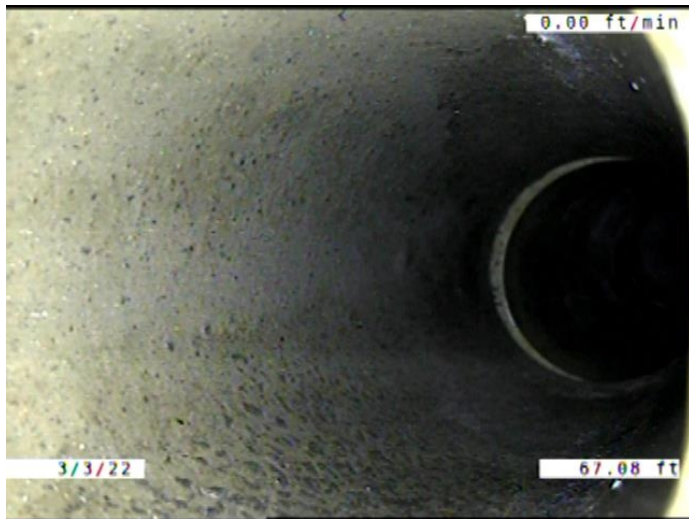
Distance (ft): **51.6**
 Structural Grade: **0**
 O&M Grade: **0**
 Clock Start/From: **2**
 Clock To:
 1st Value: **4.000**
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



Code:	TBI
Description:	Tap Break-in Intruding
Distance (ft):	54.6
Structural Grade:	0
O&M Grade:	2
Clock Start/From:	10
Clock To:	
1st Value:	6.000
2nd Value:	2.000
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	CONJSTANTLY RUNNING WATER.



Code:	BVV
Description:	Broken Void Visible
Distance (ft):	55.0
Structural Grade:	5
O&M Grade:	0
Clock Start/From:	8
Clock To:	12
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	SOIL VISIBLE TOO



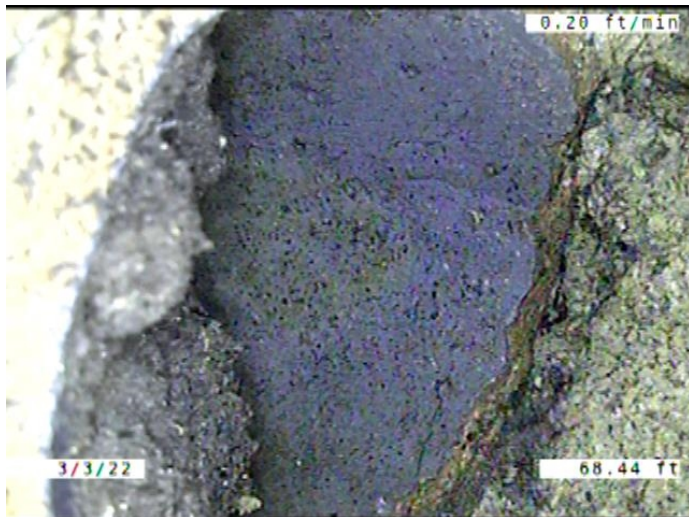
Code: **TBI**
 Description: **Tap Break-in Intruding**

Distance (ft): **67.1**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **2**
 Clock To:
 1st Value: **4.000**
 2nd Value: **1.000**
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



Code: **OBM**
 Description: **Obstruction Pipe Material in Invert**

Distance (ft): **67.9**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **1**
 Clock To: **9**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



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

Distance (ft): **68.4**
 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**



Code: **DSF**
 Description: **Deposits Settled Fine**

Distance (ft): **70.0**
 Structural Grade: **0**
 O&M Grade: **2**
 Clock Start/From: **5**
 Clock To: **7**
 1st Value:
 2nd Value:
 Value Percent: **5.000**
 Continuous Index: **F02**
 Within 8" of Joint: **YES**
 Remarks:



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

Distance (ft): **70.0**
 Structural Grade: **3**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index: **F04**
 Within 8" of Joint: **NO**
 Remarks:



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

Distance (ft): **70.0**
 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: **CAMERA CANT MAKE IT PAST PIECE OF PIPE IN THE PIPE.**