

Profile/Photo Observation Report

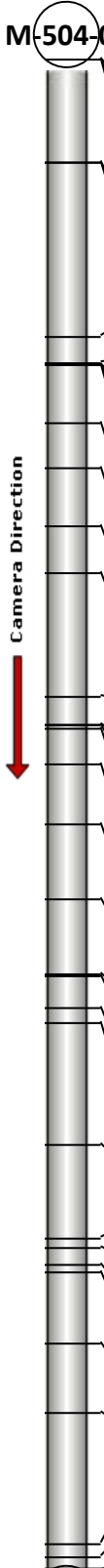


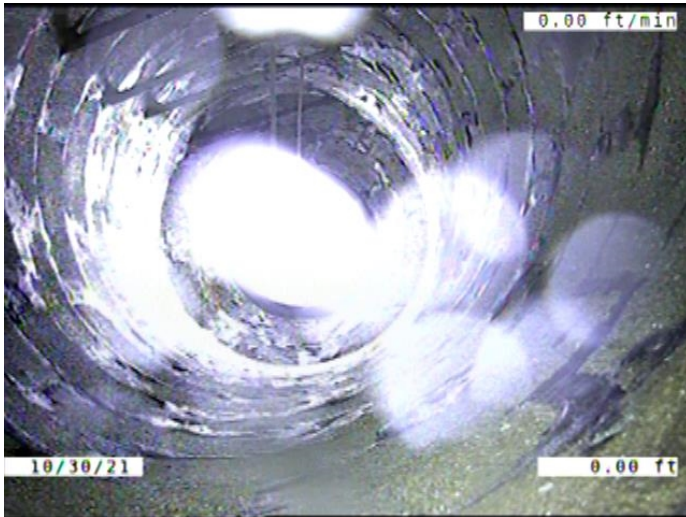
Date:	10/30/2021	Weather:		Coding:	PACP 7.0
Pipe Length (ft):	205.0	Owner:	City of Hobart	Pre Clean:	Heavy Cleaning
P.O.#:	YES502259	Surveyor:	S. Bucklin	PSR:	P-504-048-046
Customer:	City of Hobart	Clean Date:	10/27/2021	Shape:	C

Street:	North Colorado Street	Flow Control:	Not Controlled
City:	Hobart, IN	Year Renewed:	
Location:	Alley	Tape/Media #:	
Purpose:	Routine Assessment	Dia/Height:	12"
Use:	Sanitary Sewage Pipe	Material:	VCP
Drain Area:		Lining:	None
Category:	NA		
Comment:			

Location Details:		Direction of Survey:	Downstream
US MH:	M-504-046	DS MH:	M-504-048
		Total Length Surveyed (ft):	205.0

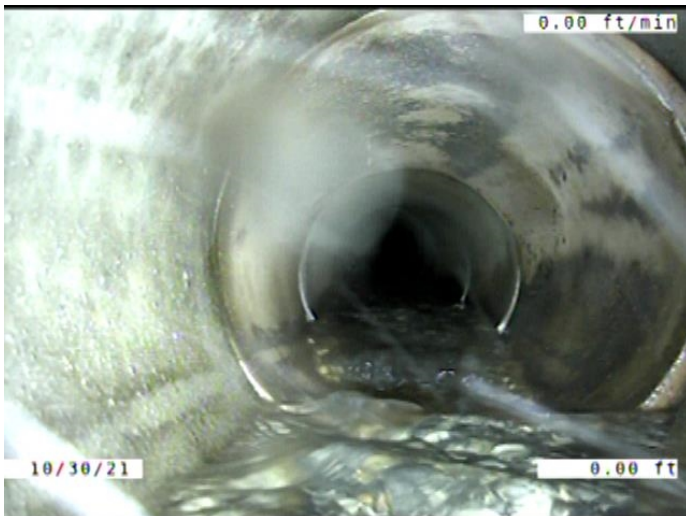
O&M Index:	2.11	O&M Quick:	382G	O&M Rating:	114.00
Structural Index:	3.25	Structural Quick:	5145	Structural Rating:	39.00
Overall Index:	2.32	Overall Quick:	5145	Overall Rating:	153.00

	Position	Code	Observation	Video (sec)	Grade
	M-504-046				
	.0	AMH	Manhole	1	NA
	.0	MWL	Miscellaneous Water Level	66	NA
	.0	DSC(S01)	Deposits Settled Hard/Compacted	75	M 2
	13.9	DSC(F01)	Deposits Settled Hard/Compacted	175	M 2
	13.9	DSF(S02)	Deposits Settled Fine	187	M 2
	37.7	JAL	Joint Angular Large	291	S 4
	41.2	TFD	Tap Factory Defective	355	M 3
	41.4	IDB	Infiltration Dripper Barrel	387	M 3
	41.4	SMW	Surface Damage Missing Wall	412	S 5
	41.4	B	Broken	452	S 4
	49.5	OBJ	Obstruction Wedged In The Joint	496	M 2
	55.6	TFD	Tap Factory Defective	541	M 3
	63.4	SSS	Surface Damage Surface Spalling	603	S 2
	69.7	RFJ	Roots Fine Joint	656	M 1
	86.5	TFC	Tap Factory Capped	736	NA
	90.5	CM	Crack Multiple	777	S 3
	90.5	SSS	Surface Damage Surface Spalling	790	S 2
	90.8	TBD	Tap Break-in/Hammer Defective	807	M 3
	95.7	FM	Fracture Multiple	864	S 4
	103.9	SZ	Surface Damage Other	913	NA
	114.2	CS	Crack Spiral	982	S 2
	124.2	SSS	Surface Damage Surface Spalling	1069	S 2
	124.5	TB	Tap Break-in/Hammer	1089	NA
	128.9	TFD	Tap Factory Defective	1140	M 3
	130.9	TFD	Tap Factory Defective	1181	M 3
	147.4	FM	Fracture Multiple	1277	S 4
	160.3	DAE	Deposits Attached Encrustation	1371	M 2
	161.4	TFD	Tap Factory Defective	1400	M 3
	163.7	FL	Fracture Longitudinal	1455	S 3
	164.8	TBI	Tap Break-in Intruding	1482	M 2
	174.4	TFD	Tap Factory Defective	1539	M 3
	183.8	RFJ	Roots Fine Joint	1643	M 1
	201.8	B	Broken	1781	S 4
	203.4	DSF(F02)	Deposits Settled Fine	1804	M 2
	205.0	AMH	Manhole	1891	NA
	M-504-048				



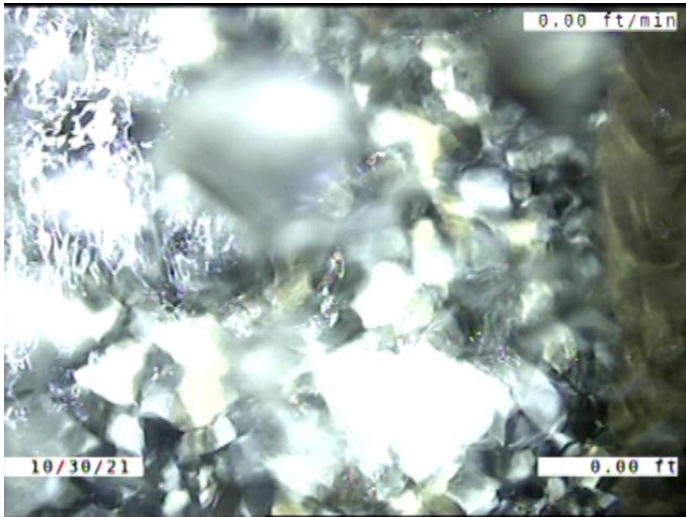
Code: **AMH**
Description: **Manhole**

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-504-046**



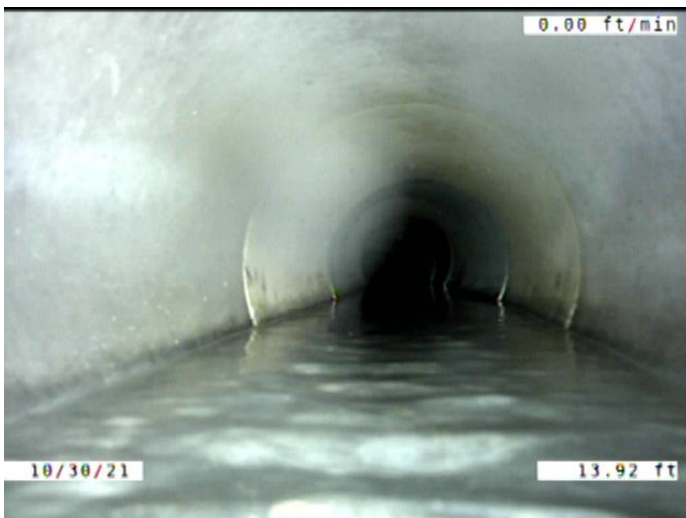
Code: **MWL**
Description: **Miscellaneous Water Level**

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:



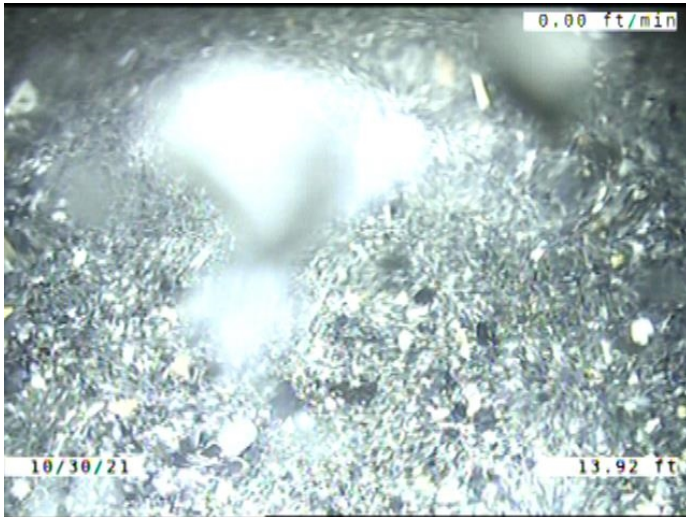
Code: **DSC**
Description: **Deposits Settled Hard/Compacted**

Distance (ft): **.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: **S01**
Within 8" of Joint: **YES**
Remarks:



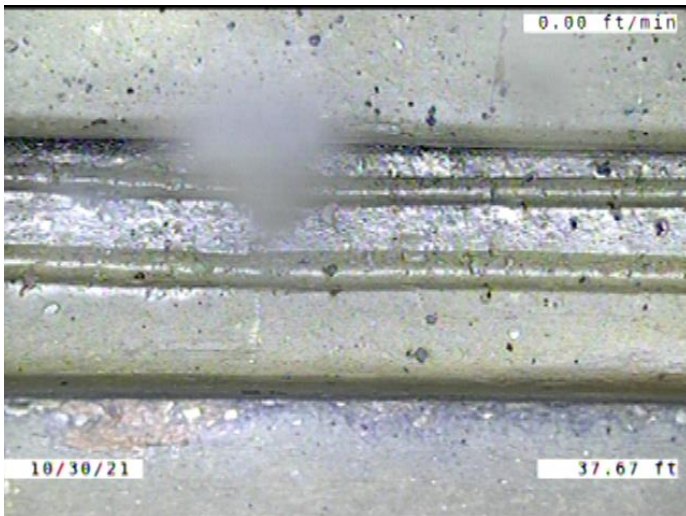
Code: **DSC**
Description: **Deposits Settled Hard/Compacted**

Distance (ft): **13.9**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **5**
Clock To: **7**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **F01**
Within 8" of Joint: **YES**
Remarks:



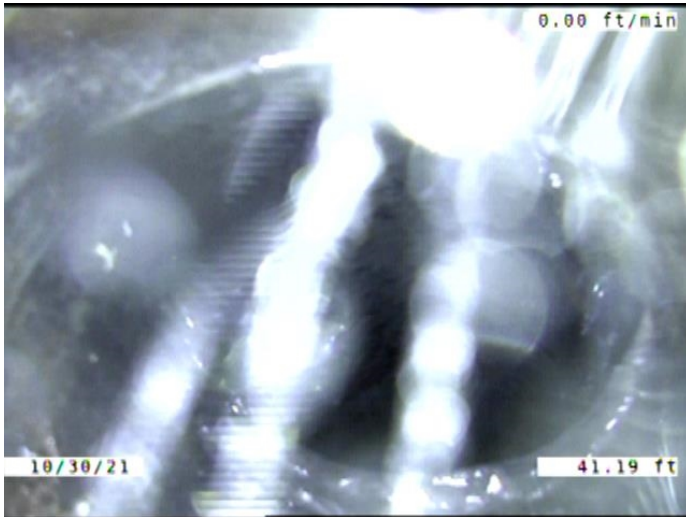
Code: **DSF**
Description: **Deposits Settled Fine**

Distance (ft): **13.9**
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:

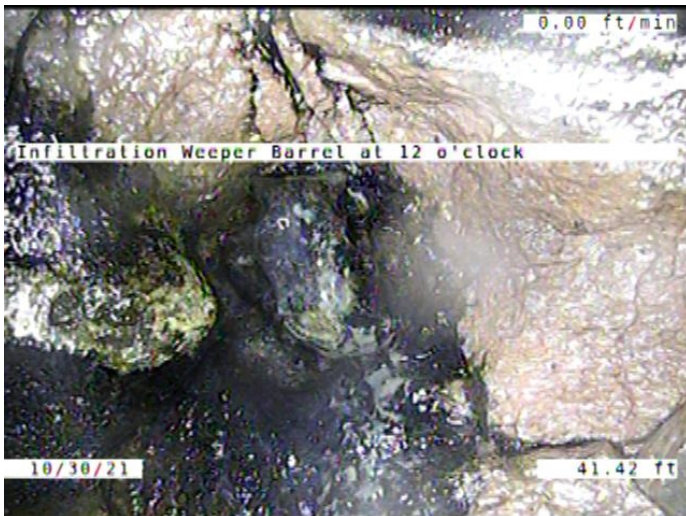


Code: **JAL**
Description: **Joint Angular Large**

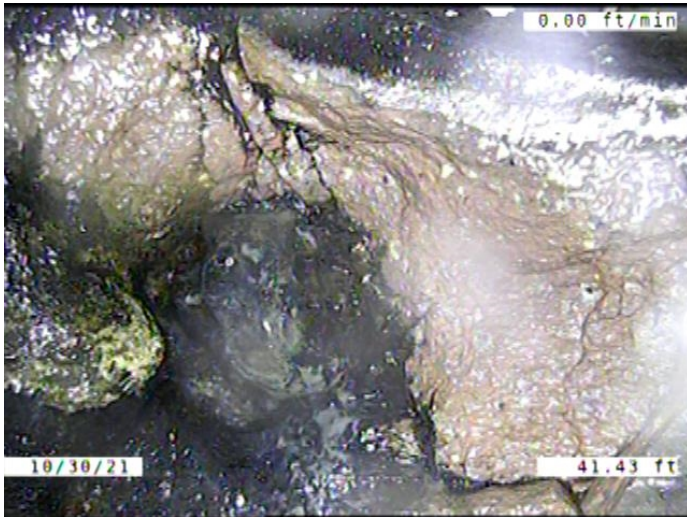
Distance (ft): **37.7**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



Code:	TFD
Description:	Tap Factory Defective
Distance (ft):	41.2
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:	BROKEN TAP. CONSTANTLY RUNNING WATER

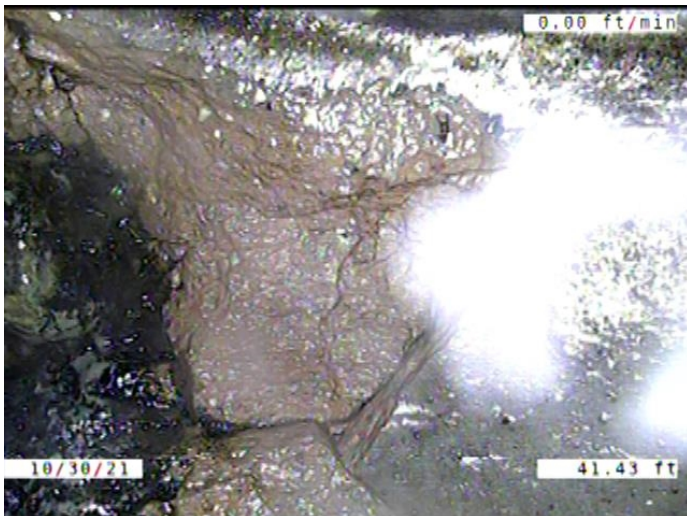


Code:	IDB
Description:	Infiltration Dripper Barrel
Distance (ft):	41.4
Structural Grade:	0
O&M Grade:	3
Clock Start/From:	12
Clock To:	
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	NO
Remarks:	



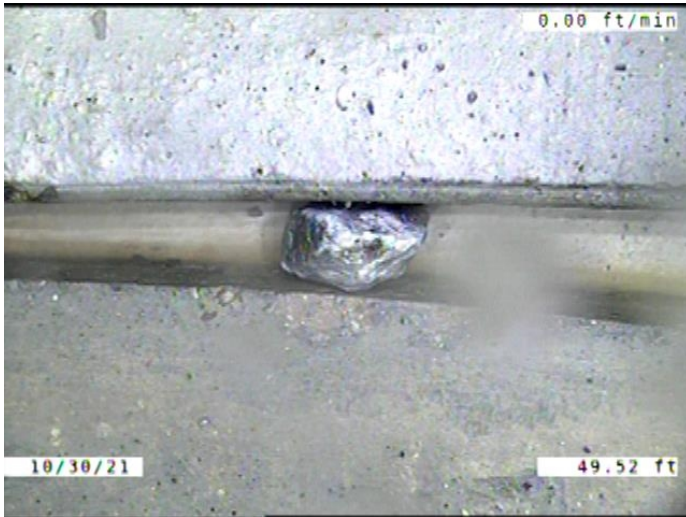
Code: **SMW**
 Description: **Surface Damage Missing Wall**

Distance (ft): **41.4**
 Structural Grade: **5**
 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:



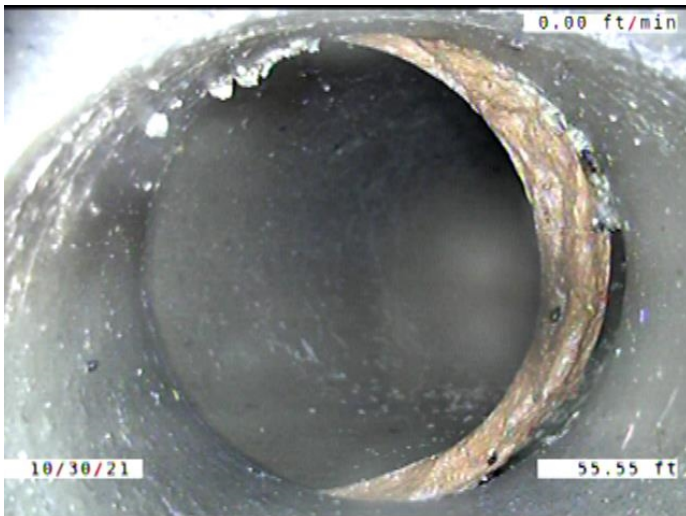
Code: **B**
 Description: **Broken**

Distance (ft): **41.4**
 Structural Grade: **4**
 O&M Grade: **0**
 Clock Start/From: **11**
 Clock To: **3**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



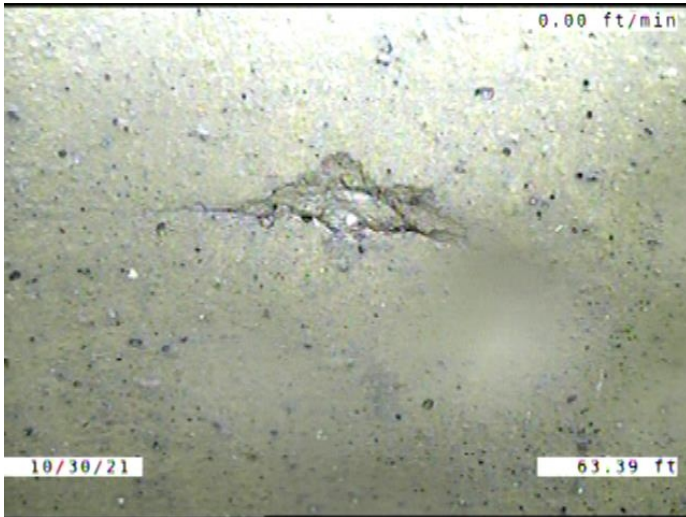
Code: **OBJ**
Description: **Obstruction Wedged In The Joint**

Distance (ft): **49.5**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **1**
Clock To: **2**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



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

Distance (ft): **55.6**
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: **OFFSET JOINT**



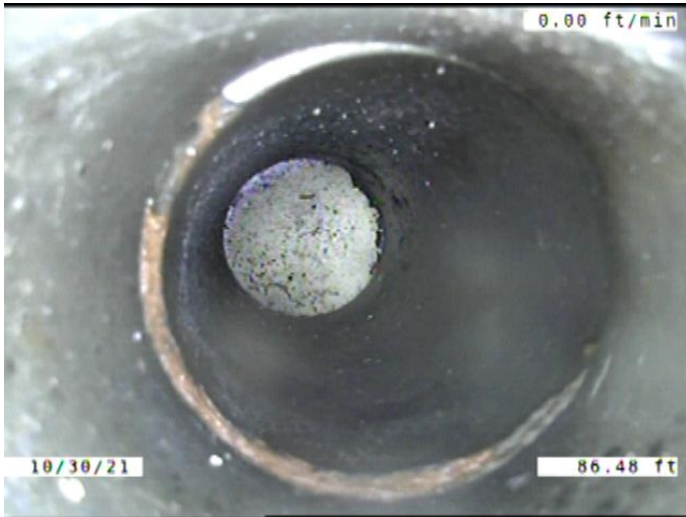
Code: **SSS**
 Description: **Surface Damage Surface Spalling**

Distance (ft): **63.4**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From: **2**
 Clock To:
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



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

Distance (ft): **69.7**
 Structural Grade: **0**
 O&M Grade: **1**
 Clock Start/From: **8**
 Clock To:
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



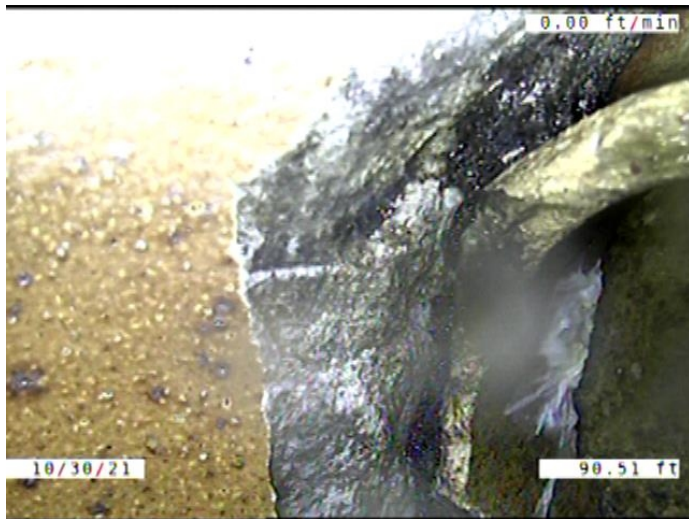
Code: **TFC**
Description: **Tap Factory Capped**

Distance (ft): **86.5**
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:



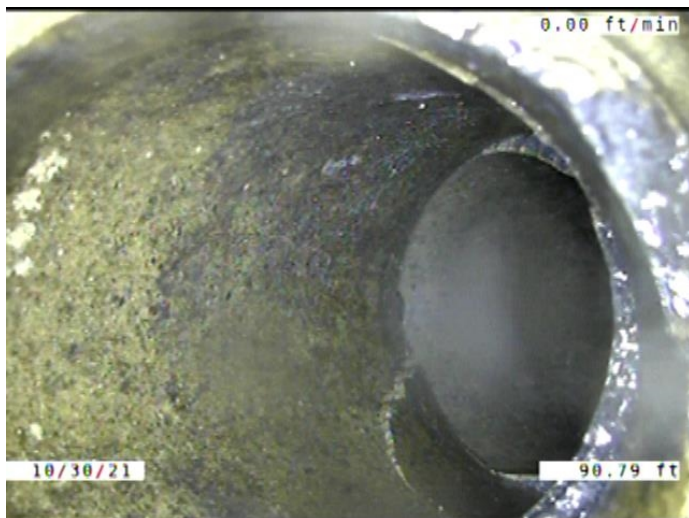
Code: **CM**
Description: **Crack Multiple**

Distance (ft): **90.5**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From: **10**
Clock To: **1**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



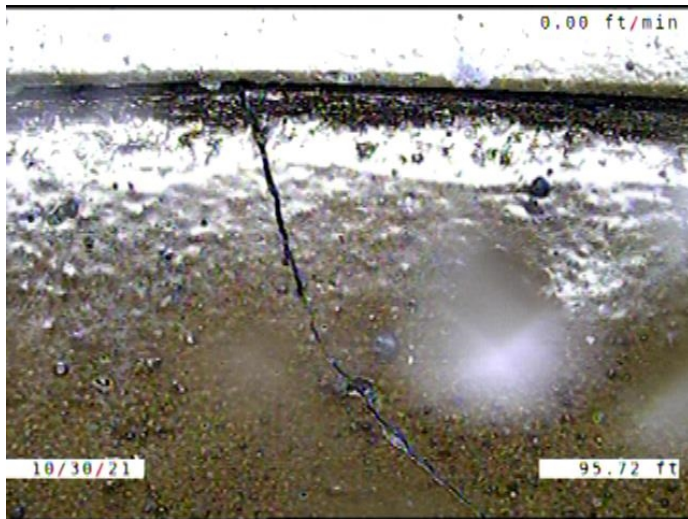
Code: **SSS**
 Description: **Surface Damage Surface Spalling**

Distance (ft): **90.5**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From: **10**
 Clock To: **1**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



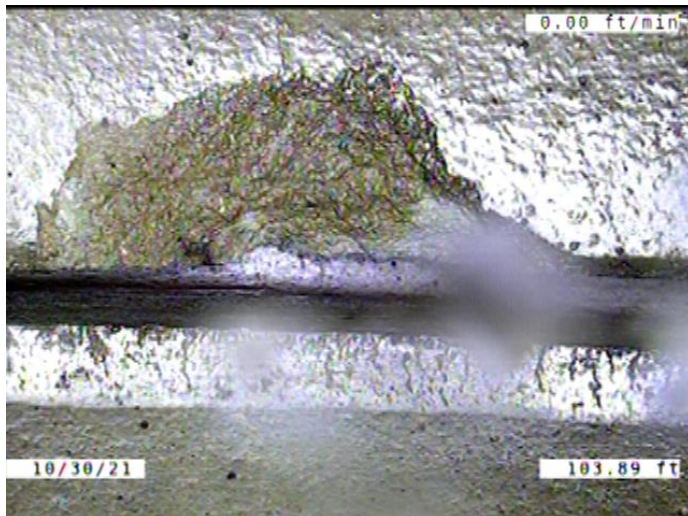
Code: **TBD**
 Description: **Tap Break-in/Hammer Defective**

Distance (ft): **90.8**
 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: **Defective**



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

Distance (ft): **95.7**
 Structural Grade: **4**
 O&M Grade: **0**
 Clock Start/From: **12**
 Clock To: **3**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



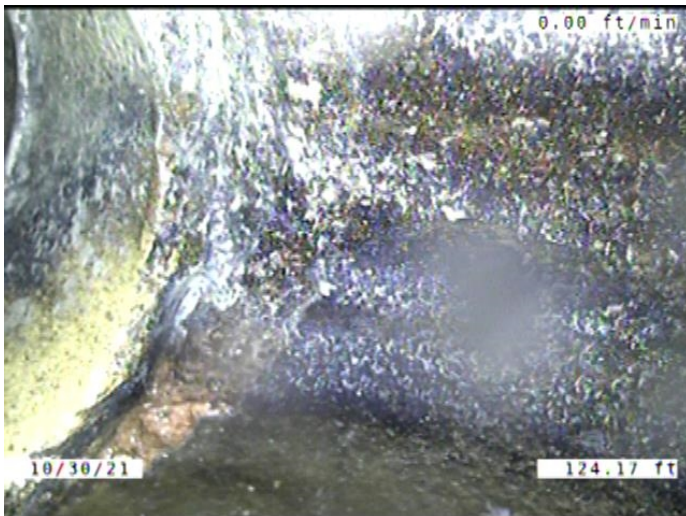
Code: **SZ**
 Description: **Surface Damage Other**

Distance (ft): **103.9**
 Structural Grade: **0**
 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: **A PIECE CHIPPED AWAY FROM THE JOINT**



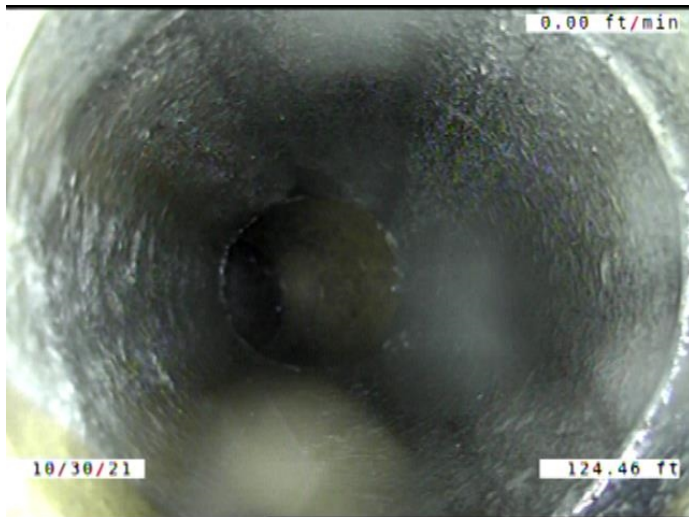
Code: **CS**
 Description: **Crack Spiral**

Distance (ft): **114.2**
 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:



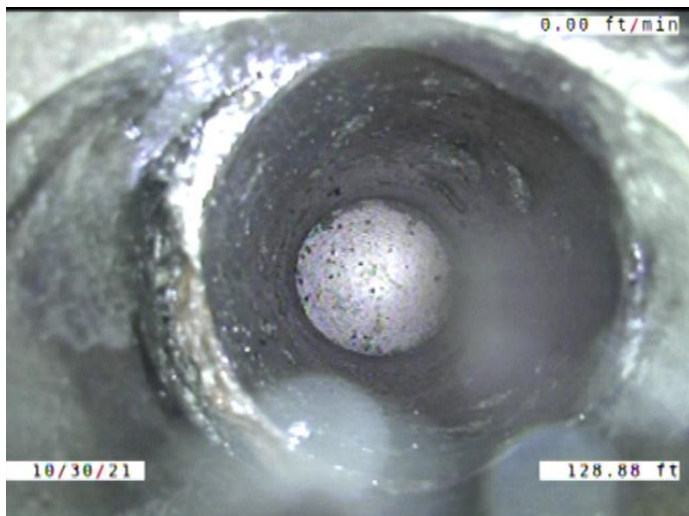
Code: **SSS**
 Description: **Surface Damage Surface Spalling**

Distance (ft): **124.2**
 Structural Grade: **2**
 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:



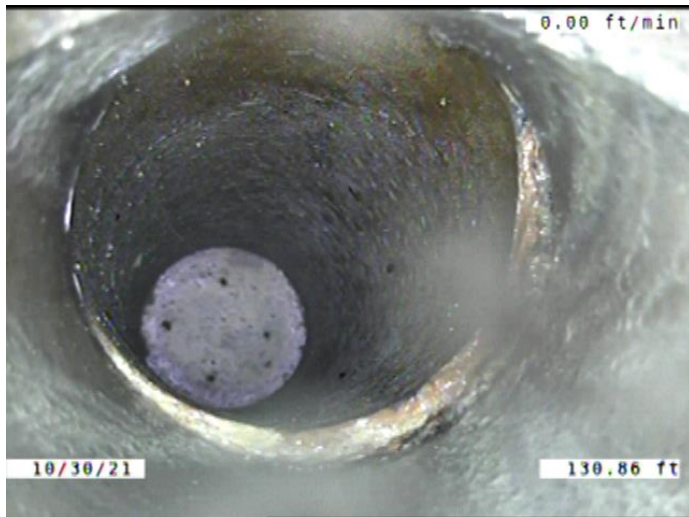
Code: **TB**
Description: **Tap Break-in/Hammer**

Distance (ft): **124.5**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **12**
Clock To:
1st Value: **4.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks: **CONSTANTLY RUNNING WATER**

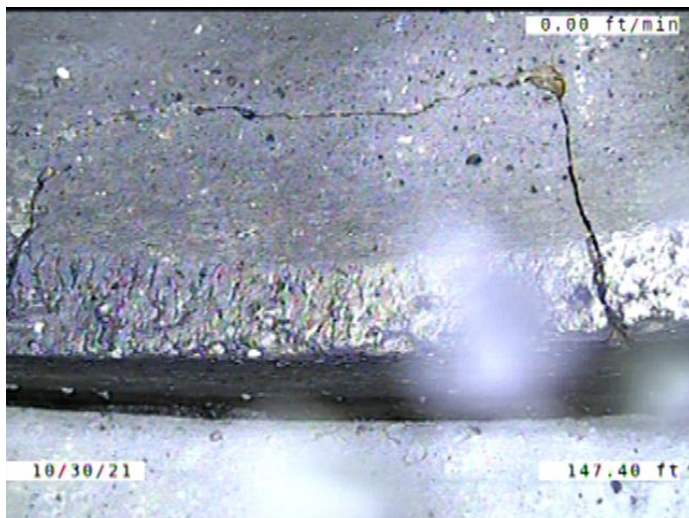


Code: **TFD**
Description: **Tap Factory Defective**

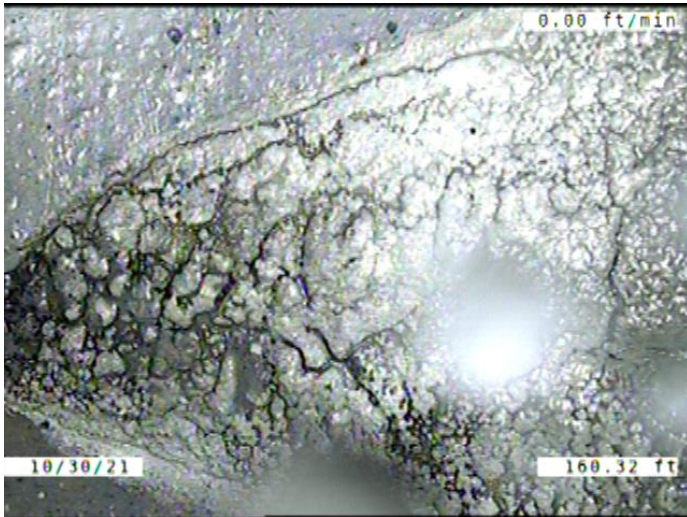
Distance (ft): **128.9**
Structural Grade: **0**
O&M Grade: **3**
Clock Start/From: **1**
Clock To:
1st Value: **4.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks: **CAPPED. DRIPPING WATER. OFFSET JOINT**



Code:	TFD
Description:	Tap Factory Defective
Distance (ft):	130.9
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. DRIPPING WATER. OFFSET JOINT

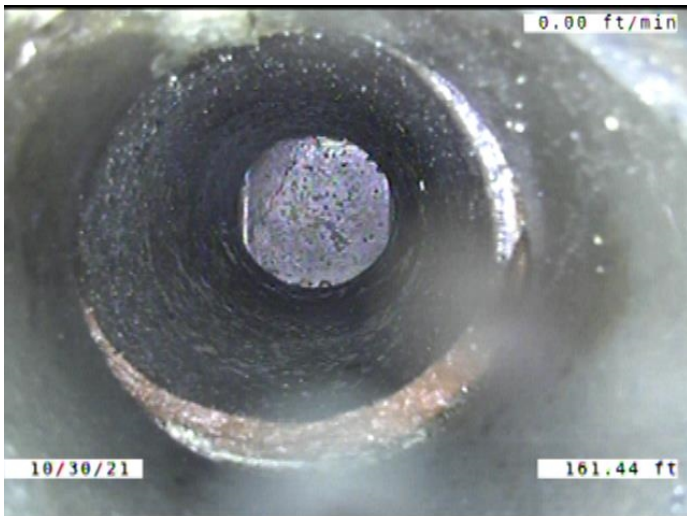


Code:	FM
Description:	Fracture Multiple
Distance (ft):	147.4
Structural Grade:	4
O&M Grade:	0
Clock Start/From:	8
Clock To:	9
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	



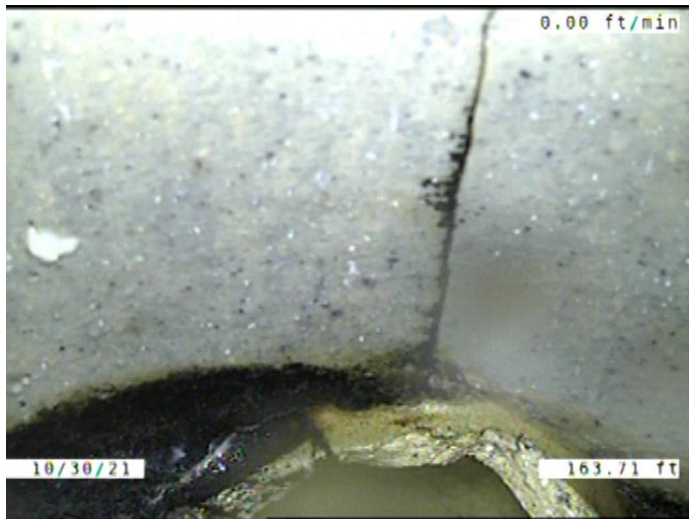
Code: **DAE**
Description: **Deposits Attached Encrustation**

Distance (ft): **160.3**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **2**
Clock To: **5**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



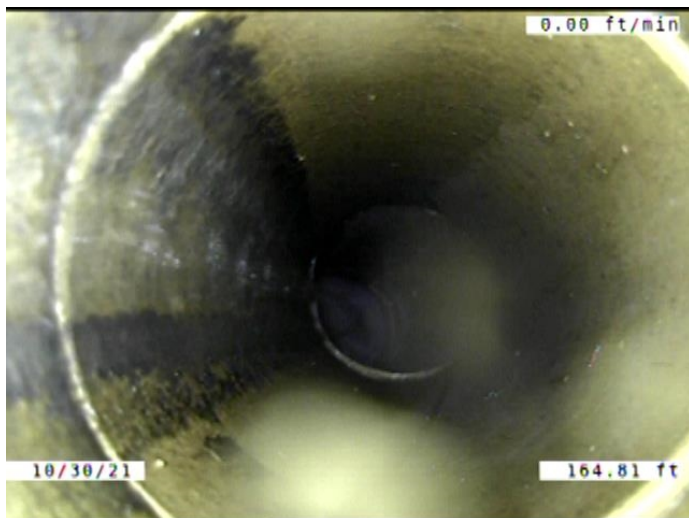
Code: **TFD**
Description: **Tap Factory Defective**

Distance (ft): **161.4**
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: **CAPPED. OFFSET JOINT.
ENCUSTATION COMING DOWN THE**



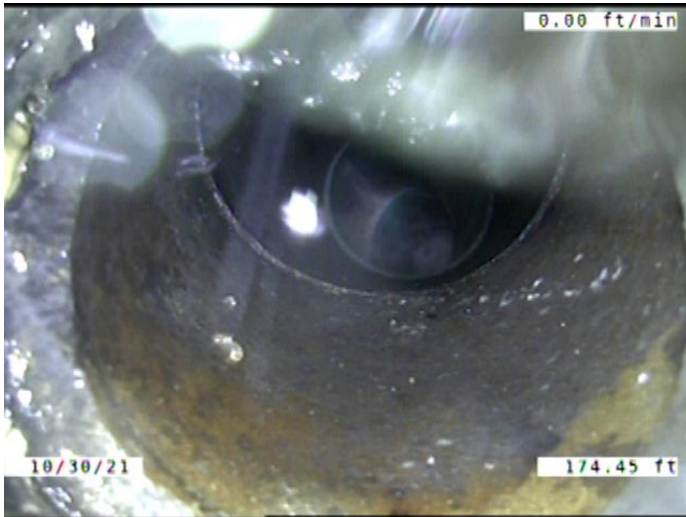
Code: **FL**
Description: **Fracture Longitudinal**

Distance (ft): **163.7**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From: **12**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



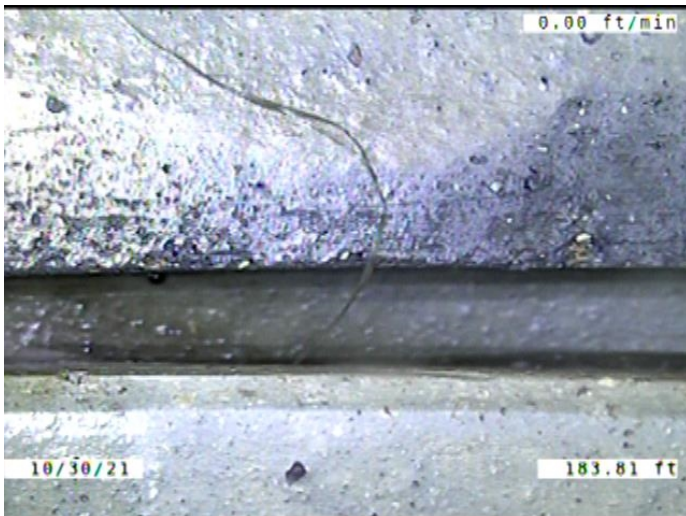
Code: **TBI**
Description: **Tap Break-in Intruding**

Distance (ft): **164.8**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **11**
Clock To:
1st Value: **4.000**
2nd Value: **1.000**
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks: **CONSTANTLY RUNNING WATER**



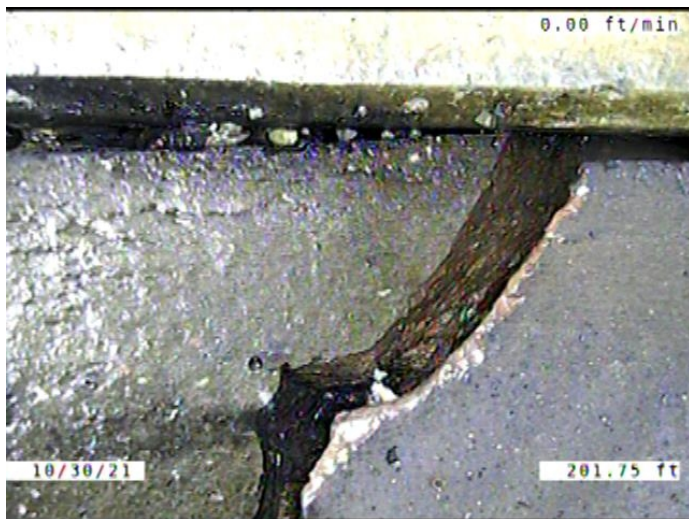
Code: **TFD**
Description: **Tap Factory Defective**

Distance (ft): **174.4**
Structural Grade: **0**
O&M Grade: **3**
Clock Start/From: **12**
Clock To:
1st Value: **4.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks: **CONSTANTLY RUNNING WATER**



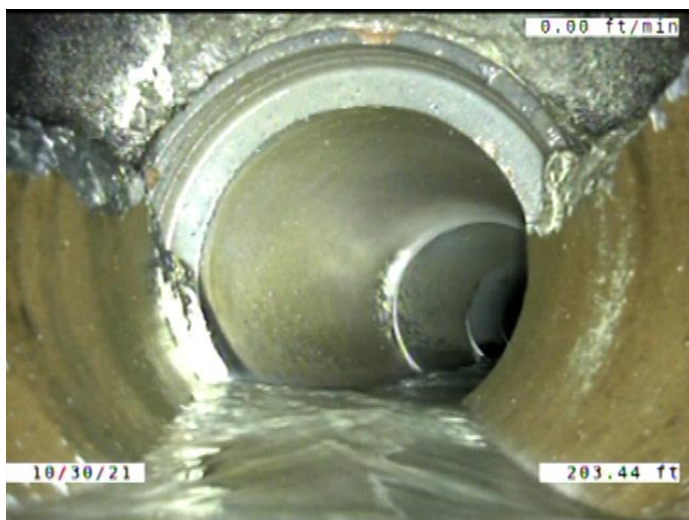
Code: **RFJ**
Description: **Roots Fine Joint**

Distance (ft): **183.8**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **3**
Clock To: **4**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



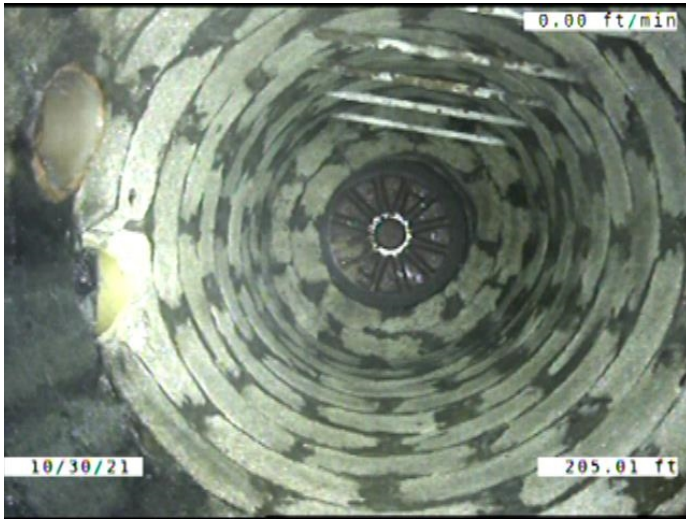
Code: **B**
 Description: **Broken**

Distance (ft): **201.8**
 Structural Grade: **4**
 O&M Grade: **0**
 Clock Start/From: **7**
 Clock To: **10**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



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

Distance (ft): **203.4**
 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:	AMH
Description:	Manhole
Distance (ft):	205.0
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-504-048