

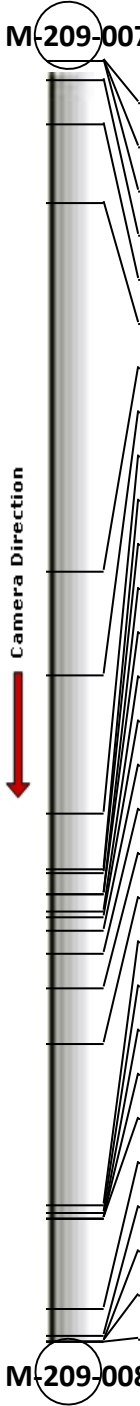
Profile/Photo Observation Report



Date:	03/19/2018	Weather:		Coding:	PACP 6.0
Pipe Length (ft):	151.7	Owner:	NA	Pre Clean:	No Pre-Cleaning
P.O.#:		Surveyor:	Byrd Fitzgerald	PSR:	P-209-007-008
Customer:		Clean Date:	01/01/1900	Shape:	C

Street:	OFF MINNESOTA ST	Flow Control:	Not Controlled
City:	Hobart, IN	Year Renewed:	
Location:	Light Highway	Tape/Media #:	
Purpose:	Routine Assessment	Dia/Height:	12"
Use:	Sanitary	Material:	VCP
Drain Area:	NA	Lining:	
Category:	NA		
Comment:	P_C at 229l ft past MH at 153 ft . flow direction wrong .		
Location Details:		Direction of Survey:	Upstream
US MH:	M-209-008	DS MH:	M-209-007
		Total Length Surveyed (ft):	230.8

O&M Index:	1.43	O&M Quick:	4334	O&M Rating:	86.00
Structural Index:	3.22	Structural Quick:	524A	Structural Rating:	190.00
Overall Index:	2.32	Overall Quick:	524A	Overall Rating:	276.00

	Position	Code	Observation	Video (sec)	Grade
	.0	AMH	Manhole	10	NA
	.0	MWL	Water Level	21	NA
	.0	CM(S01)	Crack Multiple	33	S 3
	3.3	RMJ	Roots Medium Joint	50	M 3
	11.4	RFJ(S02)	Roots Fine Joint	78	M 1
	25.6	TFA	Tap Factory Active	118	NA
	92.2	TF	Tap Factory	262	NA
	110.7	DAE(S03)	Deposits Attached Encrustation	311	M 2
	135.8	RMJ	Roots Medium Joint	373	M 3
	145.6	TF	Tap Factory	404	NA
	146.5	DAE(F03)	Deposits Attached Encrustation	417	M 2
	150.2	FM	Fracture Multiple	436	S 4
	150.2	RFB	Roots Fine Barrel	447	M 2
	153.2	MGO	General Observation	465	NA
	154.3	TB	Tap Break-in	480	NA
	156.6	FC	Fracture Circumferential	497	S 2
	160.8	FM(S05)	Fracture Multiple	517	S 4
	167.2	CH3(S04)	Crack Longitudinal Hinge, 3	541	S 5
	177.1	CH3(F04)	Crack Longitudinal Hinge, 3	572	S 5
	206.3	RBJ	Roots Ball Joint	642	M 4
	207.5	FM(F05)	Fracture Multiple	656	S 4
	208.8	TFD	Tap Factory Defective	671	M 2
	208.8	RML	Roots Medium Lateral	682	M 3
	208.8	RBJ	Roots Ball Joint	694	M 4
	224.8	RMJ	Roots Medium Joint	737	M 3
	229.9	RBJ	Roots Ball Joint	759	M 4
	230.8	MSA	Abandoned Survey	772	NA
	230.8	CM(F01)	Crack Multiple	784	S 3
	230.8	RFJ(F02)	Roots Fine Joint	795	M 1

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-209-008**

Code: **MWL**
Description: **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:

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



Distance (ft): **.0**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From: **10**
Clock To: **2**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **S01**
Within 8" of Joint: **YES**
Remarks: **wandering/into barrel**

Code: **RMJ**
Description: **Roots Medium Joint**



Distance (ft): **3.3**
Structural Grade: **0**
O&M Grade: **3**
Clock Start/From: **7**
Clock To: **5**
1st Value:
2nd Value:
Value Percent: **15.000**
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

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



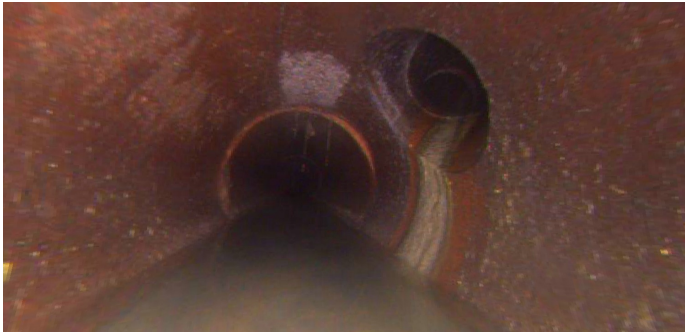
Distance (ft): **11.4**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **7**
Clock To: **5**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **S02**
Within 8" of Joint: **YES**
Remarks: **wandering**

Code: **TFA**
Description: **Tap Factory Active**



Distance (ft): **25.6**
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: **TF**
Description: **Tap Factory**



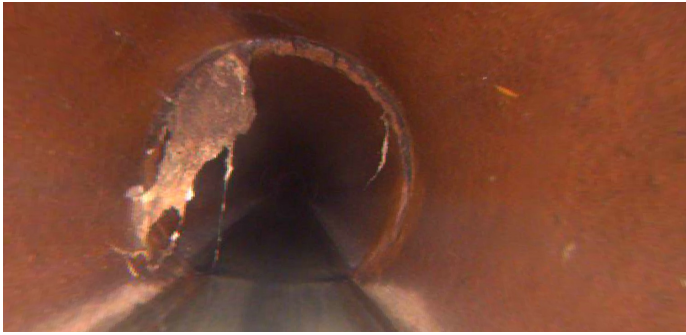
Distance (ft): **92.2**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **2**
Clock To:
1st Value: **4.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

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



Distance (ft): **110.7**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **3**
Clock To:
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **S03**
Within 8" of Joint: **YES**
Remarks: **wandering**

Code: **RMJ**
Description: **Roots Medium Joint**



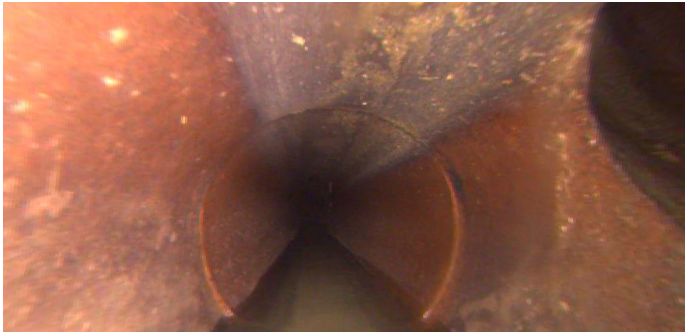
Distance (ft): **135.8**
Structural Grade: **0**
O&M Grade: **3**
Clock Start/From: **11**
Clock To:
1st Value:
2nd Value:
Value Percent: **15.000**
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

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



Distance (ft): **145.6**
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: **DAE**
Description: **Deposits Attached Encrustation**



Distance (ft): **146.5**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **3**
Clock To:
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **F03**
Within 8" of Joint: **YES**
Remarks: **wandering**

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



Distance (ft): **150.2**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **12**
Clock To: **12**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks:

Code: **RFB**
Description: **Roots Fine Barrel**



Distance (ft): **150.2**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **2**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks:

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



Distance (ft): **153.2**
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: **unidentified access point**

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



Distance (ft): **154.3**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **9**
Clock To:
1st Value: **6.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks:

Code: **FC**
Description: **Fracture Circumferential**



Distance (ft): **156.6**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From: **12**
Clock To: **12**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks:

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



Distance (ft): **160.8**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **8**
Clock To: **4**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **S05**
Within 8" of Joint: **YES**
Remarks:

Code: **CH3**
Description: **Crack Longitudinal Hinge, 3**



Distance (ft): **167.2**
Structural Grade: **5**
O&M Grade: **0**
Clock Start/From: **9**
Clock To: **3**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **S04**
Within 8" of Joint:
Remarks:

Code: **CH3**
Description: **Crack Longitudinal Hinge, 3**



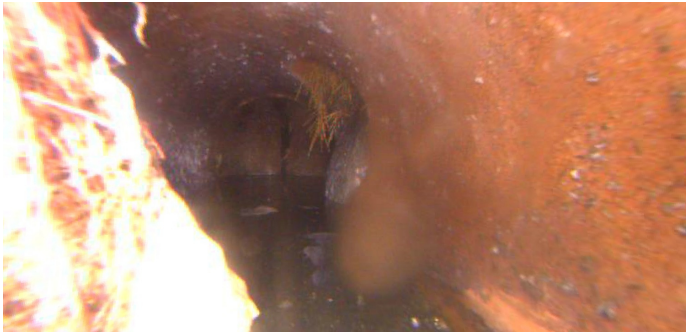
Distance (ft): **177.1**
Structural Grade: **5**
O&M Grade: **0**
Clock Start/From: **9**
Clock To: **3**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **F04**
Within 8" of Joint:
Remarks:

Code: **RBJ**
Description: **Roots Ball Joint**



Distance (ft): **206.3**
Structural Grade: **0**
O&M Grade: **4**
Clock Start/From: **6**
Clock To: **12**
1st Value:
2nd Value:
Value Percent: **55.000**
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

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



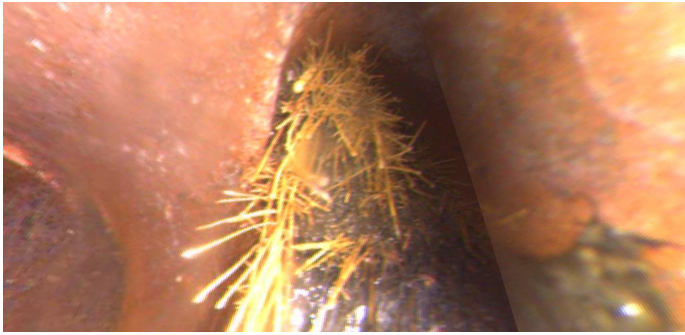
Distance (ft): **207.5**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **8**
Clock To: **4**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **F05**
Within 8" of Joint: **YES**
Remarks:

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



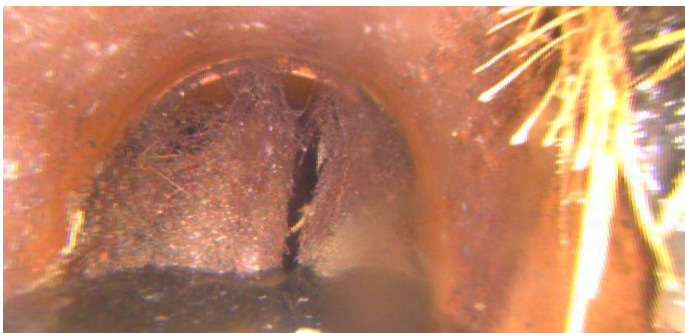
Distance (ft): **208.8**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **2**
Clock To:
1st Value: **4.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks: **blocked by roots**

Code: **RML**
Description: **Roots Medium Lateral**



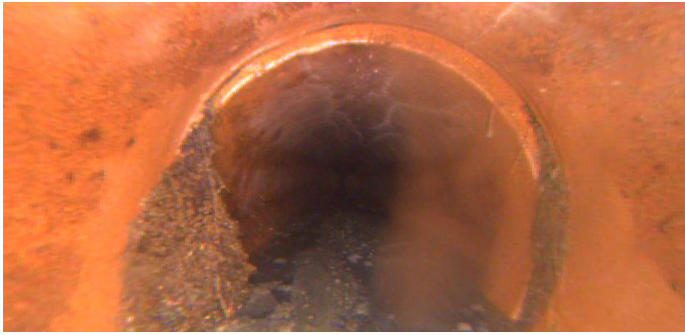
Distance (ft): **208.8**
Structural Grade: **0**
O&M Grade: **3**
Clock Start/From: **2**
Clock To:
1st Value:
2nd Value:
Value Percent: **25.000**
Continuous Index:
Within 8" of Joint: **NO**
Remarks:

Code: **RBJ**
Description: **Roots Ball Joint**



Distance (ft): **208.8**
Structural Grade: **0**
O&M Grade: **4**
Clock Start/From: **7**
Clock To: **5**
1st Value:
2nd Value:
Value Percent: **90.000**
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

Code: **RMJ**
Description: **Roots Medium Joint**



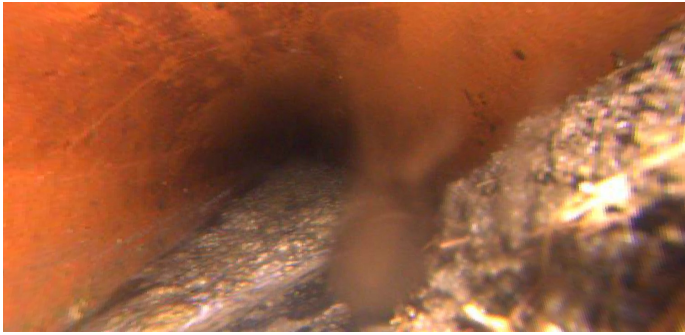
Distance (ft): **224.8**
Structural Grade: **0**
O&M Grade: **3**
Clock Start/From: **8**
Clock To:
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

Code: **RBJ**
Description: **Roots Ball Joint**



Distance (ft): **229.9**
Structural Grade: **0**
O&M Grade: **4**
Clock Start/From: **7**
Clock To: **5**
1st Value:
2nd Value:
Value Percent: **75.000**
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

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

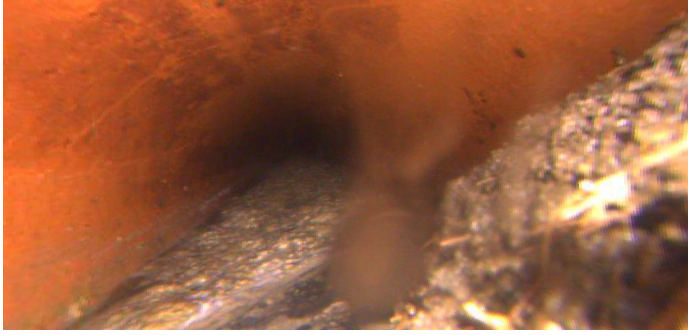


Distance (ft): **230.8**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks: **rbj**

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



Distance (ft): **230.8**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From: **10**
Clock To: **2**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **F01**
Within 8" of Joint: **YES**
Remarks: **wandering/into barrel**



Code:	RFJ
Description:	Roots Fine Joint
Distance (ft):	230.8
Structural Grade:	0
O&M Grade:	1
Clock Start/From:	7
Clock To:	5
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	F02
Within 8" of Joint:	YES
Remarks:	wandering