

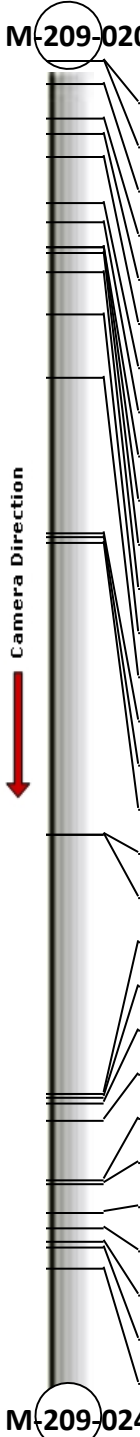
Profile/Photo Observation Report



Date:	03/19/2018	Weather:		Coding:	PACP 6.0
Pipe Length (ft):	295.2	Owner:	NA	Pre Clean:	No Pre-Cleaning
P.O.#:		Surveyor:	John Kuglmaier	PSR:	P-209-020-024
Customer:		Clean Date:	01/01/1900	Shape:	C

Street:	E 61ST PL	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 323 ft debris past MH at 296 .Flow direction wrong		
Location Details:		Direction of Survey:	Upstream
US MH:	M-209-024	DS MH:	M-209-020
		Total Length Surveyed (ft):	322.6

O&M Index:	2.25	O&M Quick:	4236	O&M Rating:	45.00
Structural Index:	2.00	Structural Quick:	2200	Structural Rating:	4.00
Overall Index:	2.23	Overall Quick:	4236	Overall Rating:	49.00

	Position	Code	Observation	Video (sec)	Grade
	M-209-020				
	.0	AMH	Manhole	10	NA
	.0	MWL	Water Level	21	NA
	5.7	MWL	Water Level	44	NA
	13.9	RFJ	Roots Fine Joint	72	M 1
	17.7	MGO	General Observation	93	NA
	23.3	MGO	General Observation	118	NA
	34.4	RFJ	Roots Fine Joint	156	M 1
	39.3	RMJ(S01)	Roots Medium Joint	181	M 3
	45.3	TFD	Tap Factory Defective	209	M 2
	45.3	RML	Roots Medium Lateral	221	M 3
	46.6	CS	Crack Spiral	239	S 2
	51.6	RMJ(F01)	Roots Medium Joint	265	M 3
	61.7	RFJ	Roots Fine Joint	301	M 1
	77.0	RFJ	Roots Fine Joint	348	M 1
	114.8	CL	Crack Longitudinal	439	S 2
	116.1	TFD	Tap Factory Defective	457	M 2
	117.2	RFJ	Roots Fine Joint	475	M 1
	188.6	TFD	Tap Factory Defective	634	M 2
	188.6	RML	Roots Medium Lateral	645	M 3
	251.5	TF	Tap Factory	786	NA
	252.7	RMJ	Roots Medium Joint	805	M 3
	253.7	DAGS(S02)	Deposits Attached Grease	823	M 2
	257.9	MWL	Water Level	847	NA
	272.6	DAGS(F02)	Deposits Attached Grease	892	M 2
	273.3	MGO	General Observation	907	NA
	280.4	MCU	Camera Underwater	933	M 4
	284.3	RMJ	Roots Medium Joint	953	M 3
	287.4	MCU	Camera Underwater	971	M 4
	288.9	MGO	General Observation	988	NA
	294.3	AMH	Manhole	1015	NA
	M-209-024				

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



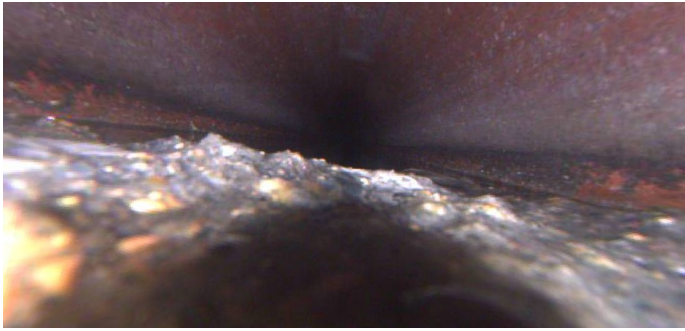
Distance (ft): **.0**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks: **M-209-020**

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: **25.000**
Continuous Index:
Within 8" of Joint: **NO**
Remarks:

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



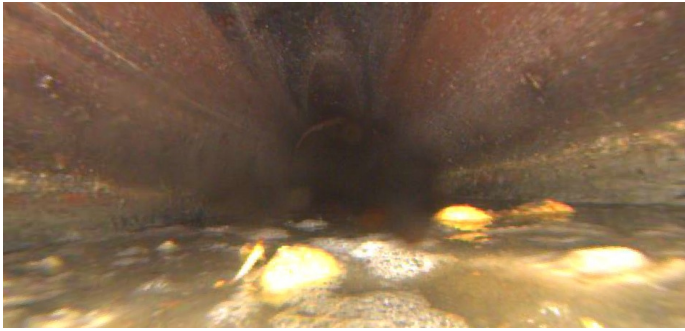
Distance (ft): **5.7**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **35.000**
Continuous Index:
Within 8" of Joint: **NO**
Remarks:

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



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

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



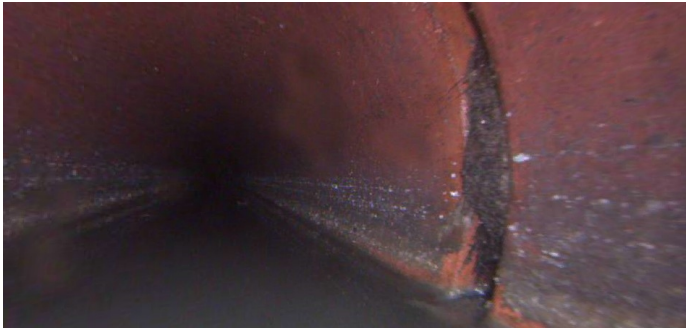
Distance (ft): **17.7**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks: **Switching to rear camera**

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



Distance (ft): **23.3**
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: **Switching to front camera**

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



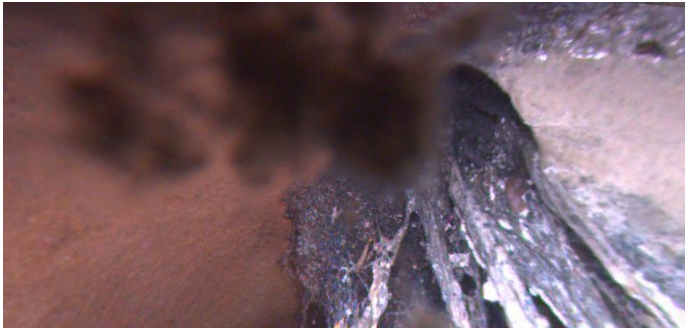
Distance (ft): **34.4**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **2**
Clock To: **4**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

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



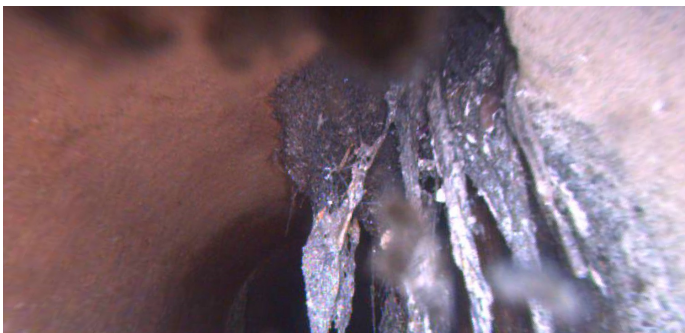
Distance (ft): **39.3**
Structural Grade: **0**
O&M Grade: **3**
Clock Start/From: **2**
Clock To: **4**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **S01**
Within 8" of Joint: **YES**
Remarks:

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



Distance (ft): **45.3**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **1**
Clock To:
1st Value: **4.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks: **RMC**

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



Distance (ft): **45.3**
Structural Grade: **0**
O&M Grade: **3**
Clock Start/From: **12**
Clock To: **2**
1st Value:
2nd Value:
Value Percent: **20.000**
Continuous Index:
Within 8" of Joint: **NO**
Remarks:

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



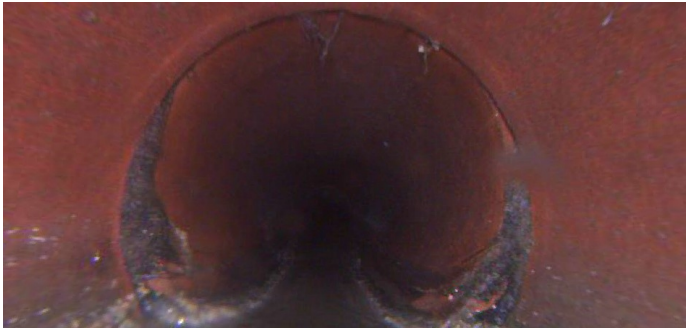
Distance (ft): **46.6**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From: **5**
Clock To: **7**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

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



Distance (ft): **51.6**
Structural Grade: **0**
O&M Grade: **3**
Clock Start/From: **2**
Clock To: **4**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **F01**
Within 8" of Joint: **YES**
Remarks: **Clock positions vary**

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



Distance (ft): **61.7**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **7**
Clock To: **5**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

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



Distance (ft): **77.0**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **2**
Clock To: **8**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

Code: **CL**
Description: **Crack Longitudinal**



Distance (ft): **114.8**
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: **TFD**
Description: **Tap Factory Defective**



Distance (ft): **116.1**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **1**
Clock To:
1st Value: **4.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks: **RMC**

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



Distance (ft): **117.2**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **2**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

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



Distance (ft): **188.6**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **1**
Clock To:
1st Value: **4.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks: **RMC**

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



Distance (ft): **188.6**
Structural Grade: **0**
O&M Grade: **3**
Clock Start/From: **2**
Clock To:
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index:
Within 8" of Joint: **NO**
Remarks:

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



Distance (ft): **251.5**
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:
Remarks:

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



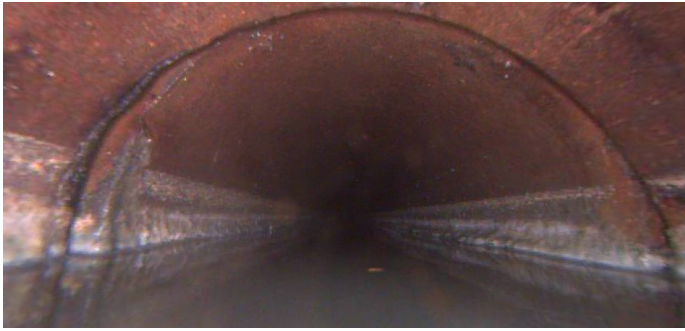
Distance (ft): **252.7**
Structural Grade: **0**
O&M Grade: **3**
Clock Start/From: **9**
Clock To: **3**
1st Value:
2nd Value:
Value Percent: **15.000**
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

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



Distance (ft): **253.7**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **3**
Clock To: **9**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **S02**
Within 8" of Joint: **NO**
Remarks:

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



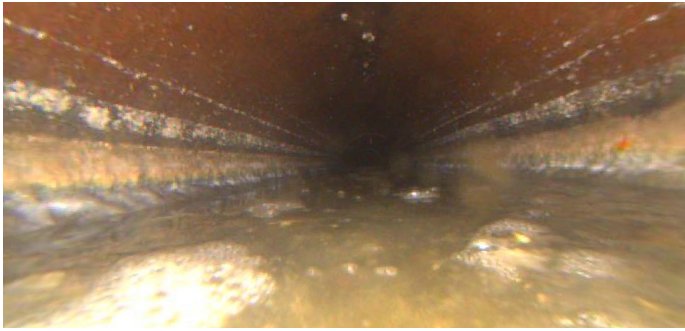
Distance (ft): **257.9**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **50.000**
Continuous Index:
Within 8" of Joint: **NO**
Remarks:

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



Distance (ft): **272.6**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **3**
Clock To: **9**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index: **F02**
Within 8" of Joint: **NO**
Remarks: **Clock positions vary**

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



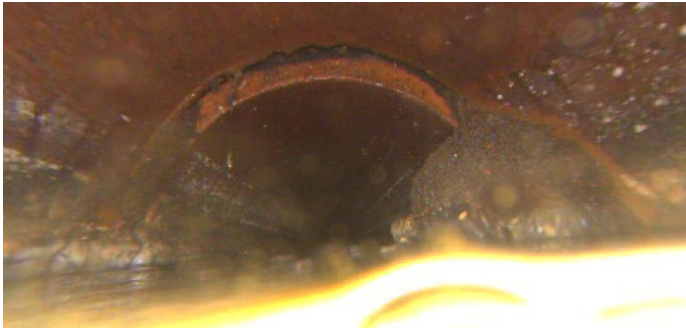
Distance (ft): **273.3**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks: **Switching to rear camera**

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



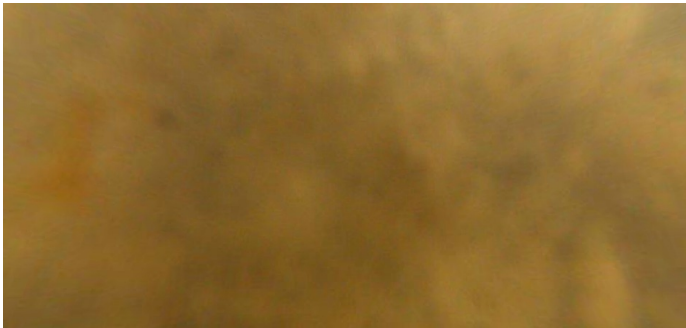
Distance (ft): **280.4**
Structural Grade: **0**
O&M Grade: **4**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks:

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



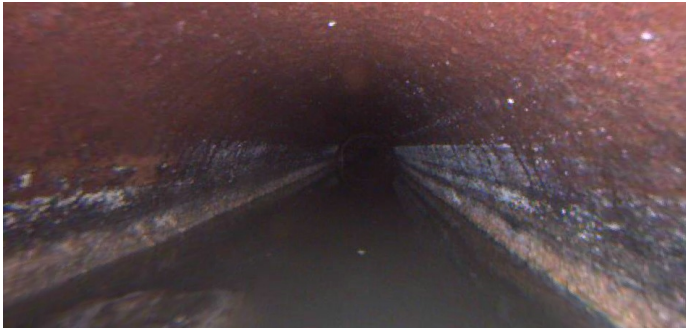
Distance (ft): **284.3**
Structural Grade: **0**
O&M Grade: **3**
Clock Start/From: **9**
Clock To: **10**
1st Value:
2nd Value:
Value Percent: **20.000**
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

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



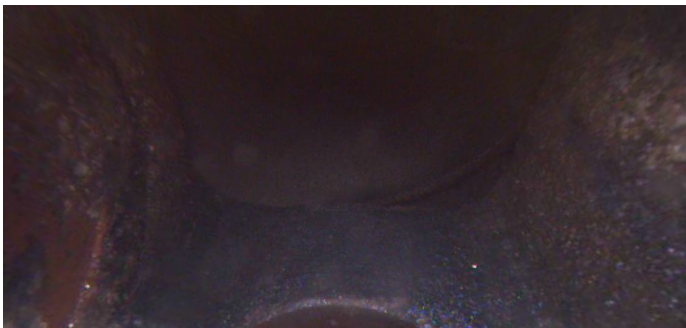
Distance (ft): **287.4**
Structural Grade: **0**
O&M Grade: **4**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks:

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



Distance (ft): **288.9**
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: **Switching to front camera**

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



Distance (ft): **294.3**
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-209-024**