

Profile/Photo Observation Report

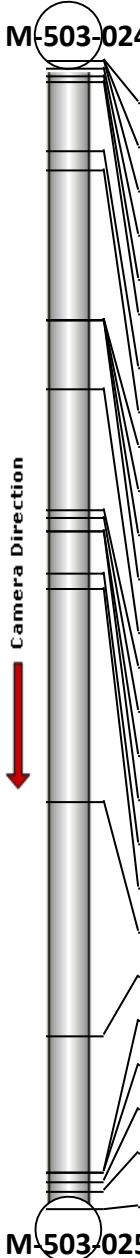


Date:	04/10/2018	Weather:		Coding:	PACP 6.0
Pipe Length (ft):	177.5	Owner:	NA	Pre Clean:	Not Known
P.O.#:		Surveyor:	Mark Ruby	PSR:	P-503-025-024
Customer:		Clean Date:	01/01/1900	Shape:	C

Street:	W 40th ave	Flow Control:	Not Controlled
City:	Hobart, IN	Year Renewed:	
Location:	Other	Tape/Media #:	
Purpose:	Not Known	Dia/Height:	10"
Use:	Sanitary	Material:	VCP
Drain Area:	NA	Lining:	
Category:	NA		
Comment:			

Location Details:		Direction of Survey:	Downstream
US MH:	M-503-024	DS MH:	M-503-025
		Total Length Surveyed (ft):	170.1

O&M Index:	1.22	O&M Quick:	3122	O&M Rating:	22.00
Structural Index:	2.25	Structural Quick:	4127	Structural Rating:	18.00
Overall Index:	1.54	Overall Quick:	4131	Overall Rating:	40.00

	Position	Code	Observation	Video (sec)	Grade
M-503-024					
 Camera Direction	.0	AMH	Manhole	10	NA
	.0	MWL	Water Level	21	NA
	.0	RFJ	Roots Fine Joint	32	M 1
	1.0	CL(S02)	Crack Longitudinal	46	S 2
	2.4	TFC	Tap Factory Capped	61	NA
	4.6	RFJ(S01)	Roots Fine Joint	78	M 1
	13.4	CL(F02)	Crack Longitudinal	108	S 2
	16.3	CL(S03)	Crack Longitudinal	126	S 2
	39.7	MMC	Material Change	185	NA
	39.8	TFD	Tap Factory Defective	197	M 2
	39.8	RFL	Roots Fine Lateral	208	M 1
	39.8	CL(F03)	Crack Longitudinal	219	S 2
	48.6	RFJ(F01)	Roots Fine Joint	248	M 1
	68.0	MMC	Material Change	299	NA
	69.1	TFC	Tap Factory Capped	313	NA
	71.0	TFD	Tap Factory Defective	329	M 2
	71.0	RFL	Roots Fine Lateral	340	M 1
	77.4	RFJ	Roots Fine Joint	365	M 1
	79.7	MMC	Material Change	381	NA
	111.2	TF	Tap Factory	455	NA
	145.8	MMC	Material Change	536	NA
	166.0	TBD	Tap Break-in Defective	588	M 3
	166.0	RFL	Roots Fine Lateral	600	M 1
	167.6	RFJ	Roots Fine Joint	614	M 1
	169.1	FM	Fracture Multiple	629	S 4
	170.1	MSA	Abandoned Survey	643	NA
M-503-025					



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-503-024**



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



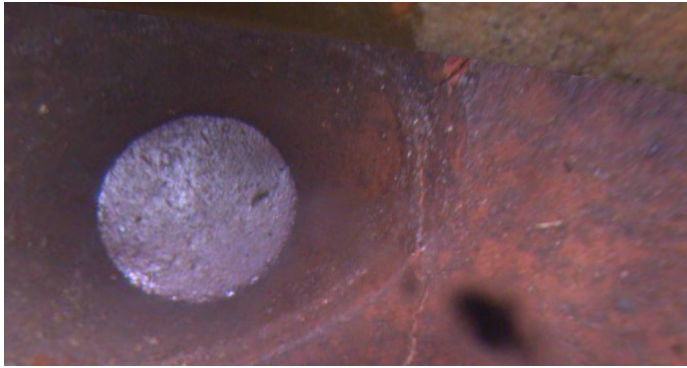
Code: **RFJ**
Description: **Roots Fine Joint**

Distance (ft): **.0**
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: **CL**
Description: **Crack Longitudinal**

Distance (ft): **1.0**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From: **12**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index: **S02**
Within 8" of Joint:
Remarks:



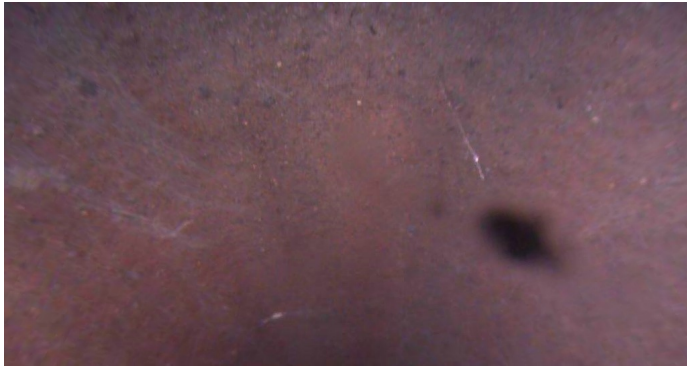
Code: **TFC**
Description: **Tap Factory Capped**

Distance (ft): **2.4**
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:
Remarks:



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

Distance (ft): **4.6**
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: **CL**
Description: **Crack Longitudinal**

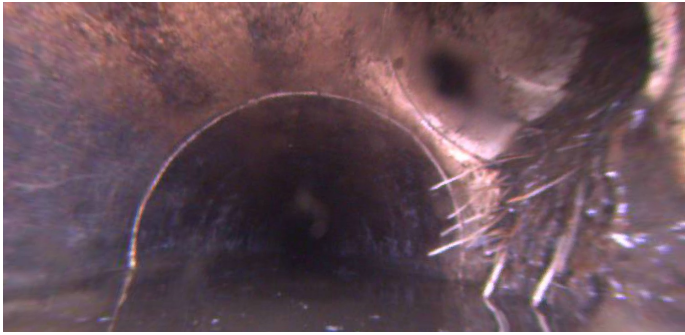
Distance (ft): **13.4**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From: **12**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index: **F02**
Within 8" of Joint:
Remarks:



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

Distance (ft): **16.3**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From: **12**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index: **S03**
Within 8" of Joint: **YES**
Remarks:

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



Distance (ft): **39.7**
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: **pvc**

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



Distance (ft): **39.8**
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: **Roots**



Code: **RFL**
Description: **Roots Fine Lateral**

Distance (ft): **39.8**
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: **NO**
Remarks:



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

Distance (ft): **39.8**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From: **12**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index: **F03**
Within 8" of Joint: **YES**
Remarks:



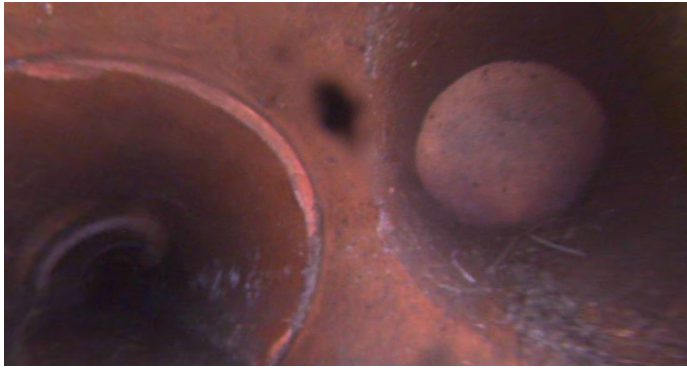
Code: **RFJ**
Description: **Roots Fine Joint**

Distance (ft): **48.6**
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: **MMC**
Description: **Material Change**

Distance (ft): **68.0**
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: **VCP**



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

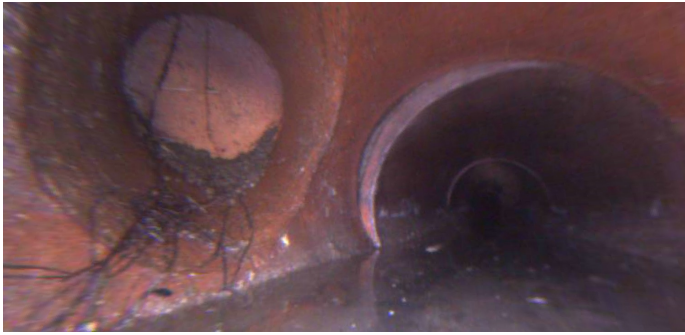
Distance (ft): **69.1**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **3**
Clock To:
1st Value: **4.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks:



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

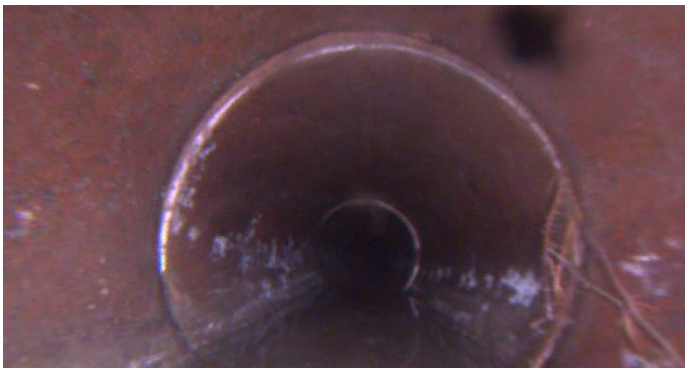
Distance (ft): **71.0**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **9**
Clock To:
1st Value: **4.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks: **ROOTS, CAPPED**

Code: **RFL**
Description: **Roots Fine Lateral**



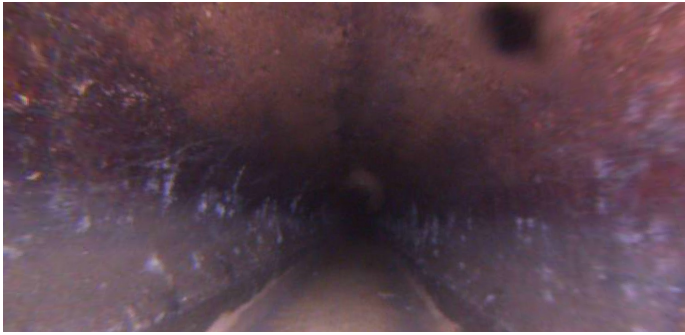
Distance (ft): **71.0**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **9**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks:

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



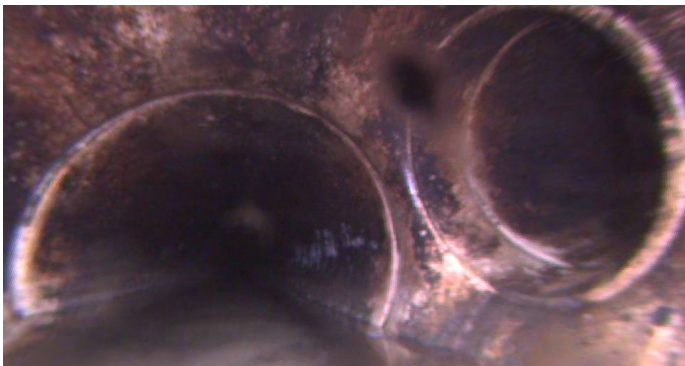
Distance (ft): **77.4**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **4**
Clock To: **5**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

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



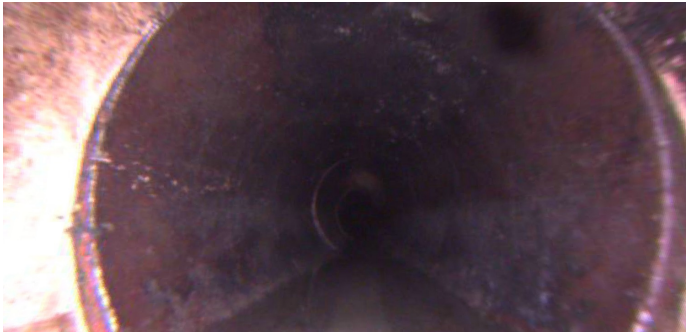
Distance (ft): **79.7**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks: **pvc**

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



Distance (ft): **111.2**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **4**
Clock To:
1st Value: **4.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks:

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



Distance (ft): **145.8**
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: **VCP**

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



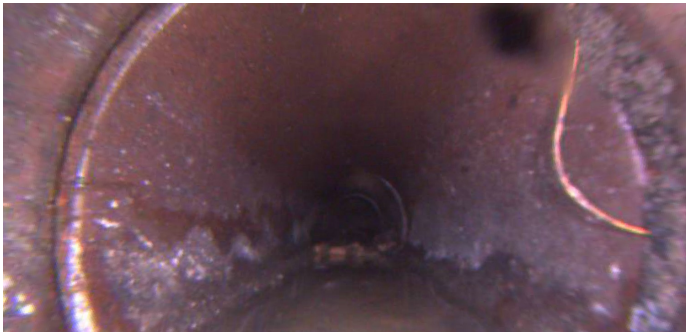
Distance (ft): **166.0**
Structural Grade: **0**
O&M Grade: **3**
Clock Start/From: **12**
Clock To:
1st Value: **4.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks: **Roots**

Code: **RFL**
Description: **Roots Fine Lateral**



Distance (ft): **166.0**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **12**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks:

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



Distance (ft): **167.6**
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: **FM**
Description: **Fracture Multiple**



Distance (ft): **169.1**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **8**
Clock To: **4**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

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



Distance (ft): **170.1**
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: **Debris**