

Profile/Photo Observation Report




Date:	04/07/2018	Weather:		Coding:	PACP 6.0
Pipe Length (ft):	478.8	Owner:	NA	Pre Clean:	Not Known
P.O.#:		Surveyor:	Mark Ruby	PSR:	P-503-042-041
Customer:		Clean Date:	01/01/1900	Shape:	C

Street:	PENNSYLVANIA ST	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-503-041	DS MH:	M-503-042
		Total Length Surveyed (ft):	301.4

O&M Index:	1.33	O&M Quick:	2112	O&M Rating:	4.00
Structural Index:	3.35	Structural Quick:	4A35	Structural Rating:	67.00
Overall Index:	3.09	Overall Quick:	4A35	Overall Rating:	71.00

	Position	Code	Observation	Video (sec)	Grade
M-503-041					
	.0	AMH	Manhole	10	NA
	.0	MWL	Water Level	21	NA
	5.7	FM	Fracture Multiple	44	S 4
	47.8	FL	Fracture Longitudinal	140	S 3
	47.8	FL	Fracture Longitudinal	151	S 3
	51.8	FM	Fracture Multiple	171	S 4
	58.9	MMC	Material Change	197	NA
	67.0	MMC	Material Change	224	NA
	67.4	FL	Fracture Longitudinal	236	S 3
	69.6	FM	Fracture Multiple	253	S 4
	71.2	DAR	Deposits Attached Ragging	267	M 2
	75.0	TF	Tap Factory	287	NA
	117.0	FM	Fracture Multiple	382	S 4
	127.2	FM	Fracture Multiple	415	S 4
	138.2	FM	Fracture Multiple	449	S 4
	143.7	RFJ	Roots Fine Joint	472	M 1
	157.6	FM(S01)	Fracture Multiple	511	S 4
	176.3	FM(F01)	Fracture Multiple	560	S 4
	195.3	TF	Tap Factory	610	NA
	200.8	RFJ	Roots Fine Joint	633	M 1
	200.8	CM	Crack Multiple	644	S 3
	212.3	TF	Tap Factory	679	NA
	214.3	MMC	Material Change	695	NA
	215.8	TF	Tap Factory	710	NA
	218.7	MMC	Material Change	728	NA
	248.7	CL	Crack Longitudinal	799	S 2
	262.2	CL	Crack Longitudinal	838	S 2
	262.6	CM	Crack Multiple	851	S 3
	271.0	CL	Crack Longitudinal	879	S 2
	274.4	TFC	Tap Factory Capped	898	NA
	280.7	TF	Tap Factory	923	NA
	293.2	CL	Crack Longitudinal	959	S 2
	294.1	FM	Fracture Multiple	973	S 4
	301.4	AMH	Manhole	999	NA
M-503-042					

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-503-041**

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

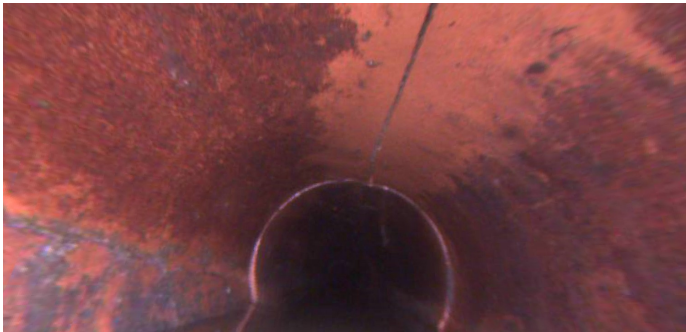


Distance (ft): **.0**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **10.000**
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



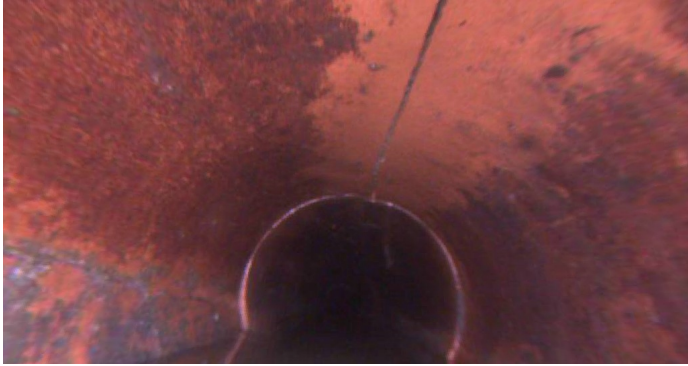
Code: **FM**
Description: **Fracture Multiple**

Distance (ft): **5.7**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **7**
Clock To: **5**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks:



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

Distance (ft): **47.8**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From: **9**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks:



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

Distance (ft): **47.8**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From: **1**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks:



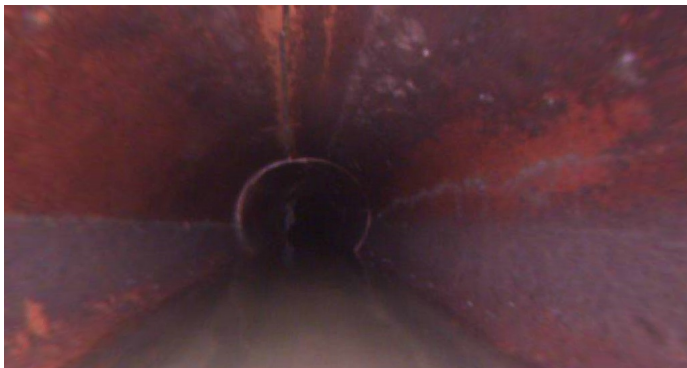
Code: **FM**
Description: **Fracture Multiple**

Distance (ft): **51.8**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **7**
Clock To: **5**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks:



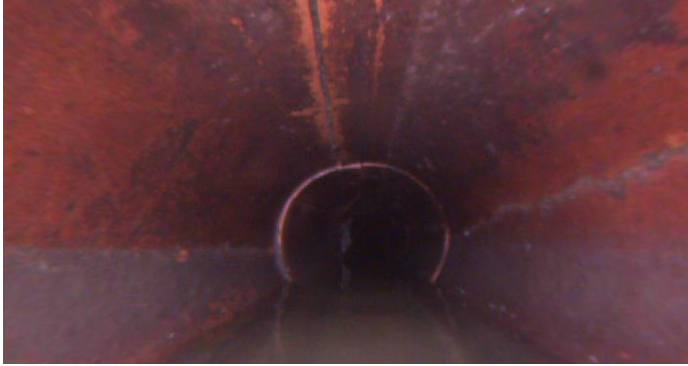
Code: **MMC**
Description: **Material Change**

Distance (ft): **58.9**
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: **PVC**



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

Distance (ft): **67.0**
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: **FL**
Description: **Fracture Longitudinal**

Distance (ft): **67.4**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From: **11**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks:



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

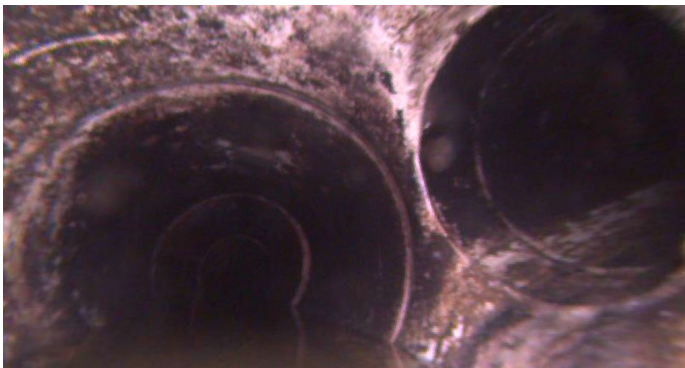
Distance (ft): **69.6**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **7**
Clock To: **5**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks:

Code: **DAR**
Description: **Deposits Attached Ragging**

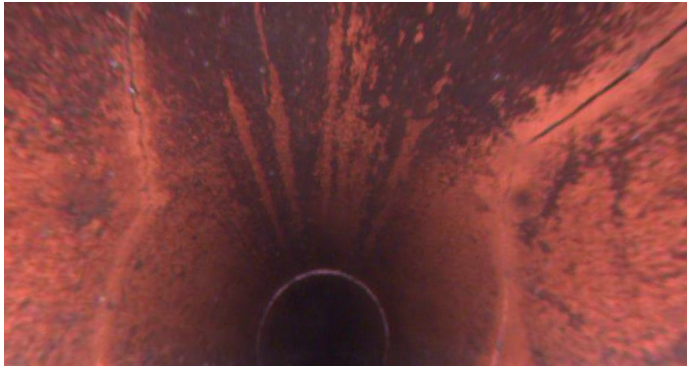


Distance (ft): **71.2**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **10**
Clock To:
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index:
Within 8" of Joint: **NO**
Remarks:

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

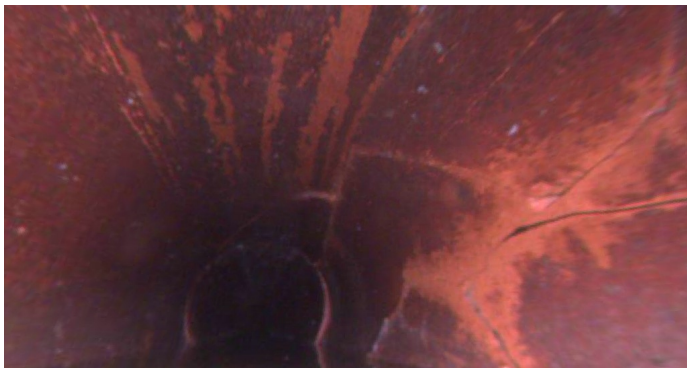


Distance (ft): **75.0**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **3**
Clock To:
1st Value: **4.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks:



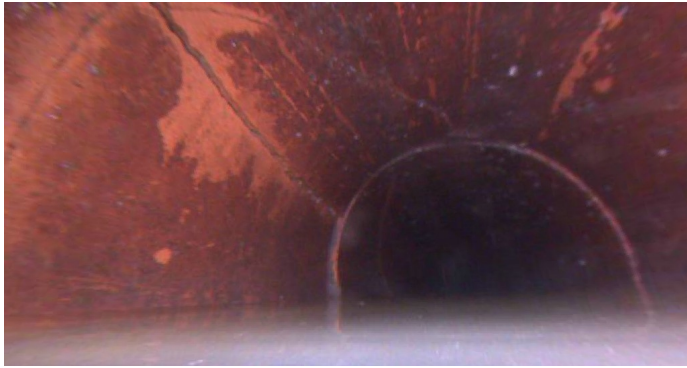
Code: **FM**
Description: **Fracture Multiple**

Distance (ft): **117.0**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **7**
Clock To: **5**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks:



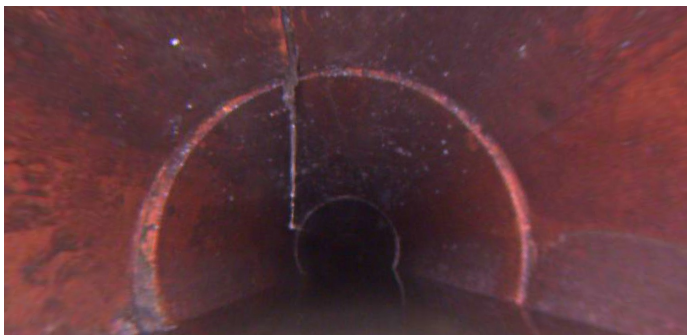
Code: **FM**
Description: **Fracture Multiple**

Distance (ft): **127.2**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **7**
Clock To: **5**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks:



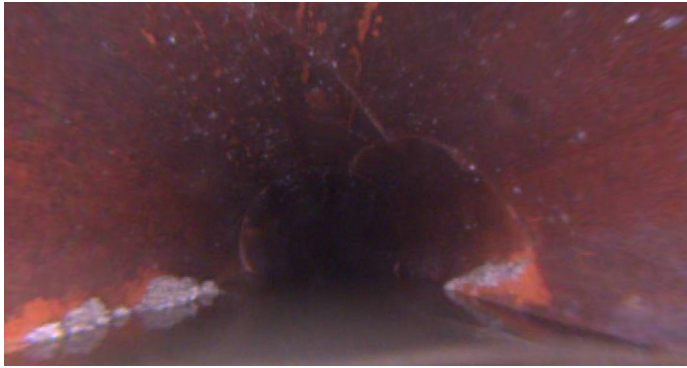
Code: **FM**
Description: **Fracture Multiple**

Distance (ft): **138.2**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **7**
Clock To: **12**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks:



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

Distance (ft): **143.7**
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: **YES**
Remarks:



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

Distance (ft): **157.6**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **7**
Clock To: **5**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **S01**
Within 8" of Joint:
Remarks:



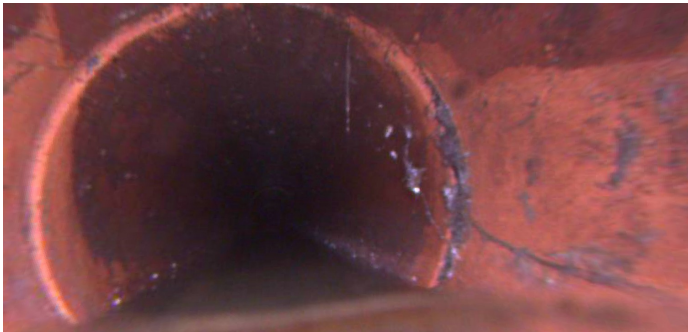
Code: **FM**
Description: **Fracture Multiple**

Distance (ft): **176.3**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **7**
Clock To: **5**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **F01**
Within 8" of Joint:
Remarks:



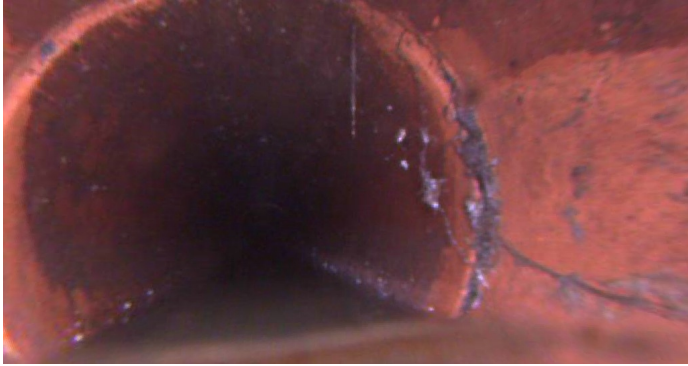
Code: **TF**
Description: **Tap Factory**

Distance (ft): **195.3**
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): **200.8**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **8**
Clock To: **4**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



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

Distance (ft): **200.8**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From: **7**
Clock To: **5**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks:



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

Distance (ft): **212.3**
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:
Remarks:

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



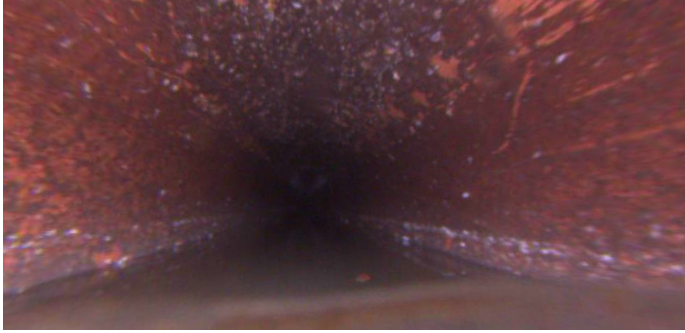
Distance (ft): **214.3**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks: **pvc**

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



Distance (ft): **215.8**
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:
Remarks:

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



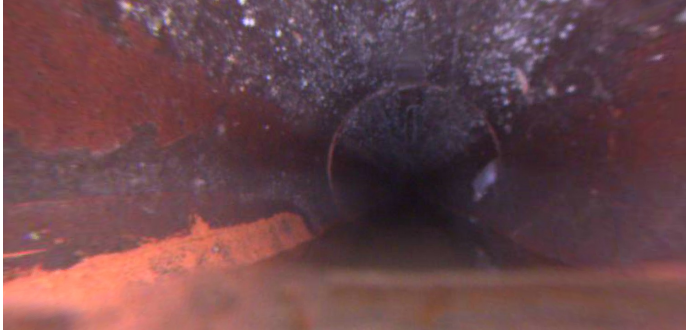
Distance (ft): **218.7**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks: **VCP**

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



Distance (ft): **248.7**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From: **4**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

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

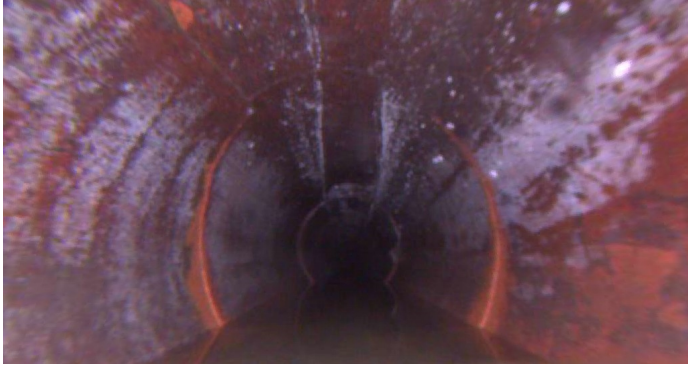


Distance (ft): **262.2**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From: **8**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks:

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

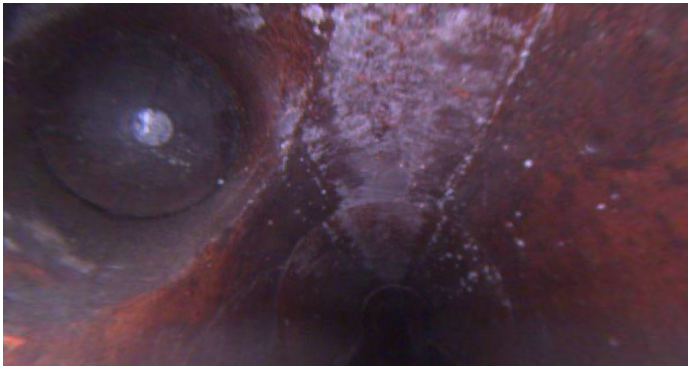


Distance (ft): **262.6**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From: **12**
Clock To: **3**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



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

Distance (ft): **271.0**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From: **10**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks:



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

Distance (ft): **274.4**
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: **TF**
Description: **Tap Factory**

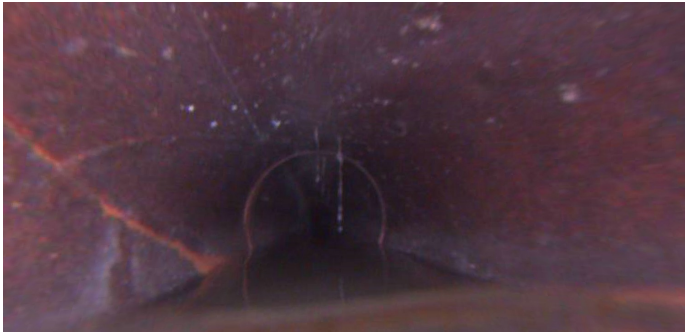
Distance (ft): **280.7**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **10**
Clock To:
1st Value: **4.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks:



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

Distance (ft): **293.2**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From: **4**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks:

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



Distance (ft): **294.1**
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:
Remarks:

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



Distance (ft): **301.4**
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-503-042**