

Profile/Photo Observation Report



Date:	04/09/2018	Weather:		Coding:	PACP 6.0
Pipe Length (ft):	230.8	Owner:	NA	Pre Clean:	Not Known
P.O.#:		Surveyor:	Mark Ruby	PSR:	P-504-028-027.5
Customer:		Clean Date:	01/01/1900	Shape:	C

Street:	N VIRGINIA 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:	Upstream
US MH:	M-503-027.5	DS MH:	M-503-028
		Total Length Surveyed (ft):	207.4

O&M Index:	1.50	O&M Quick:	3121	O&M Rating:	9.00
Structural Index:	3.02	Structural Quick:	443F	Structural Rating:	130.00
Overall Index:	2.84	Overall Quick:	443F	Overall Rating:	139.00

Position	Code	Observation	Video (sec)	Grade
.0	SAV(S02)	Surface Aggregate Visible	10	S 3
.0	AMH	Manhole	21	NA
.0	MWL	Water Level	33	NA
6.9	FC	Fracture Circumferential	58	S 2
21.2	RMJ	Roots Medium Joint	98	M 3
36.7	MMC	Material Change	140	NA
36.7	SAV(F02)	Surface Aggregate Visible	151	S 3
38.0	TFD	Tap Factory Defective	167	M 2
39.6	RFJ	Roots Fine Joint	184	M 1
39.9	MMC	Material Change	196	NA
39.9	SAP(S03)	Surface Aggregate Projecting	207	S 3
42.4	RFJ	Roots Fine Joint	223	M 1
48.2	RFJ(S01)	Roots Fine Joint	246	M 1
59.9	RFJ(F01)	Roots Fine Joint	281	M 1
81.1	SAP(F03)	Surface Aggregate Projecting	335	S 3
81.1	MMC	Material Change	346	NA
82.7	TF	Tap Factory	363	NA
84.1	FM	Fracture Multiple	380	S 4
85.5	TF	Tap Factory	396	NA

87.4	MMC	Material Change	414	NA
87.4	SAP(S04)	Surface Aggregate Projecting	425	S 3
102.1	FL	Fracture Longitudinal	466	S 3
132.4	FM	Fracture Multiple	540	S 4
132.4	SAP(F04)	Surface Aggregate Projecting	554	S 3
132.4	MMC	Material Change	565	NA
133.2	TF	Tap Factory	580	NA
136.3	TF	Tap Factory	602	NA
137.9	SAP(S05)	Surface Aggregate Projecting	619	S 3
137.9	MMC	Material Change	630	NA
138.9	CC	Crack Circumferential	643	S 1
179.7	FM	Fracture Multiple	739	S 4
179.7	SAP(F05)	Surface Aggregate Projecting	752	S 3
179.7	MMC	Material Change	763	NA
180.4	TF	Tap Factory	778	NA
182.4	FM	Fracture Multiple	796	S 4
183.8	TF	Tap Factory	813	NA
185.6	MMC	Material Change	830	NA
185.6	SAP(S06)	Surface Aggregate Projecting	841	S 3
205.9	SAP(F06)	Surface Aggregate Projecting	893	S 3
207.4	AMH	Manhole	907	NA

M-503-027.5

Code: **SAV**
Description: **Surface Aggregate Visible**



Distance (ft): **.0**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From: **8**
Clock To: **4**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **S02**
Within 8" of Joint:
Remarks:

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



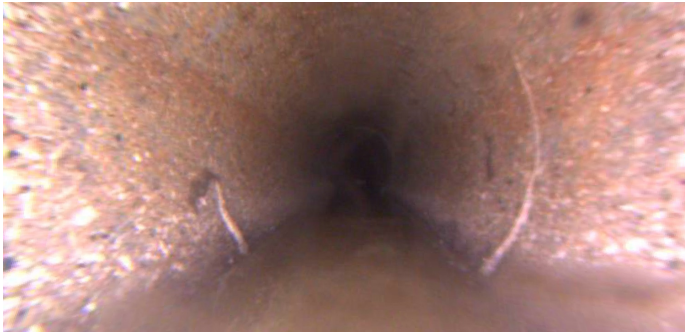
Distance (ft): **.0**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks: **M-503-028**

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



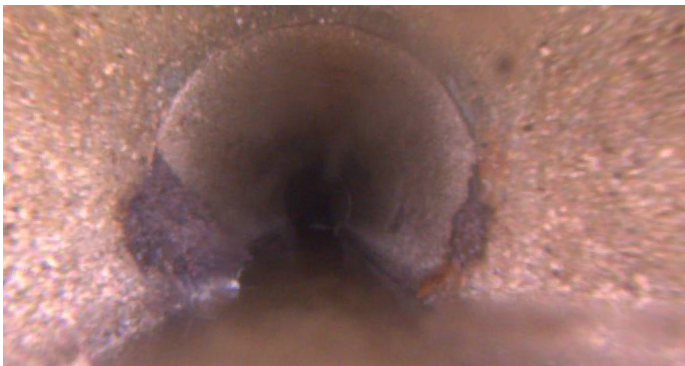
Distance (ft): **.0**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **10.000**
Continuous Index:
Within 8" of Joint: **NO**
Remarks:

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



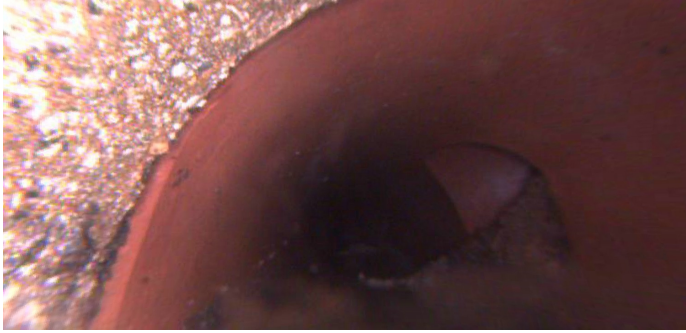
Distance (ft): **6.9**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From: **2**
Clock To: **9**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks:

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



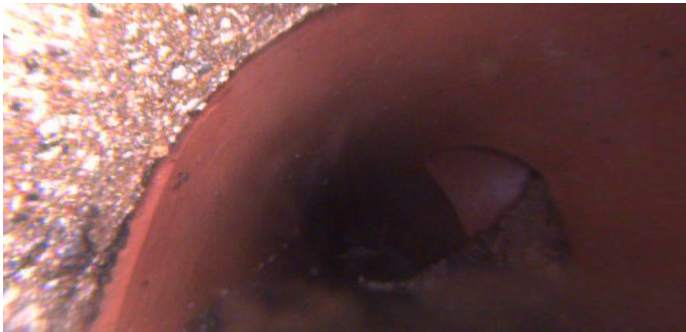
Distance (ft): **21.2**
Structural Grade: **0**
O&M Grade: **3**
Clock Start/From: **7**
Clock To: **5**
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

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

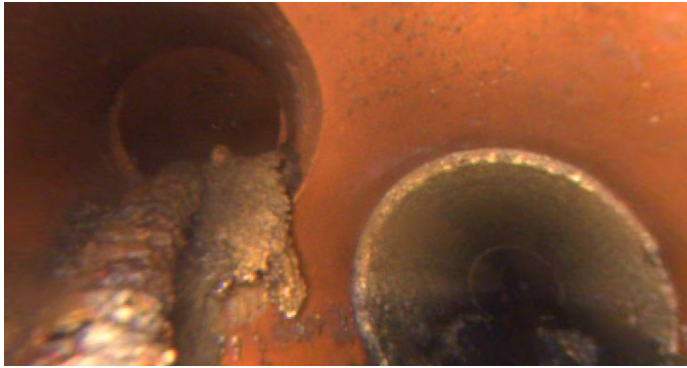


Distance (ft): **36.7**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks: **vcp**

Code: **SAV**
Description: **Surface Aggregate Visible**



Distance (ft): **36.7**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From: **8**
Clock To: **4**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **F02**
Within 8" of Joint:
Remarks:



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

Distance (ft): **38.0**
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: **Debris, Photo taken from rear camera.**

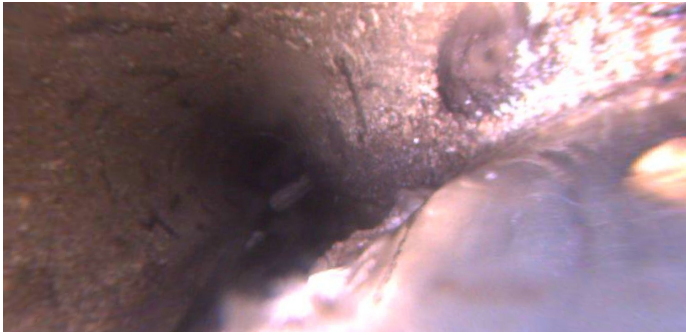


Code: **RFJ**
Description: **Roots Fine Joint**

Distance (ft): **39.6**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **7**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**

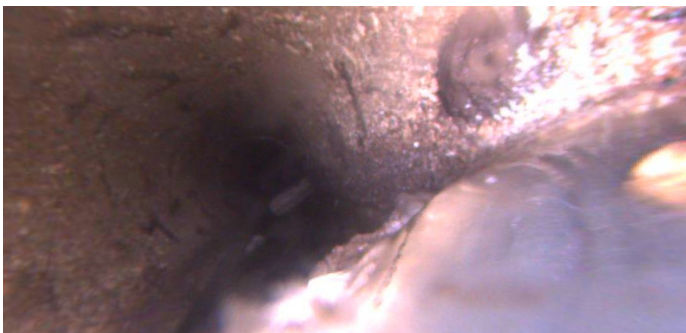
Remarks:

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

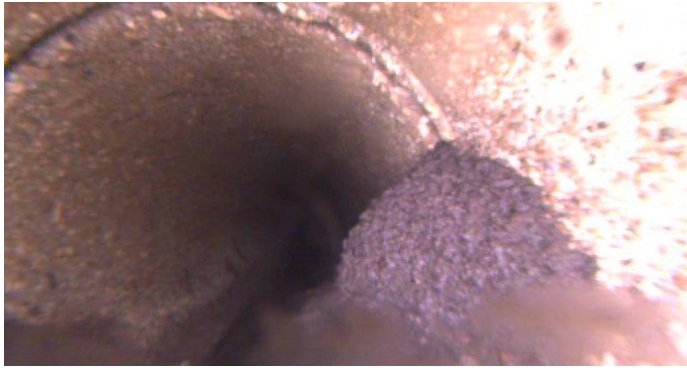


Distance (ft): **39.9**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks: **cp**

Code: **SAP**
Description: **Surface Aggregate Projecting**

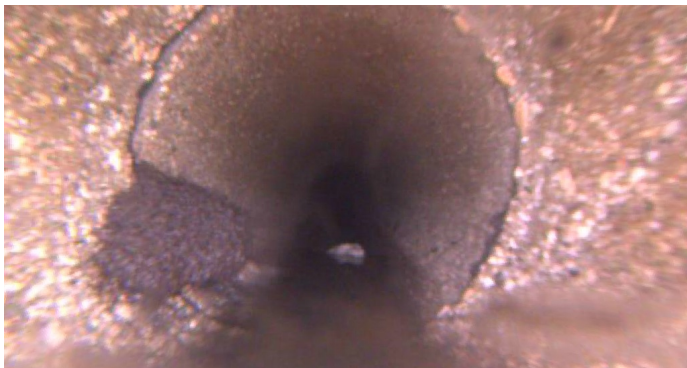


Distance (ft): **39.9**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From: **8**
Clock To: **4**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **S03**
Within 8" of Joint:
Remarks:



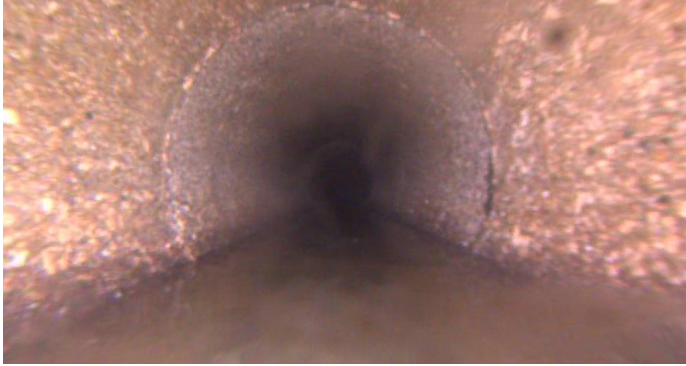
Code: **RFJ**
Description: **Roots Fine Joint**

Distance (ft): **42.4**
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): **48.2**
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: **RFJ**
Description: **Roots Fine Joint**

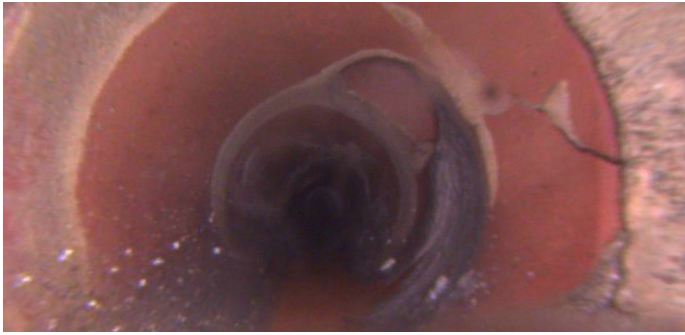
Distance (ft): **59.9**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **7**
Clock To: **5**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **F01**
Within 8" of Joint: **YES**
Remarks:



Code: **SAP**
Description: **Surface Aggregate Projecting**

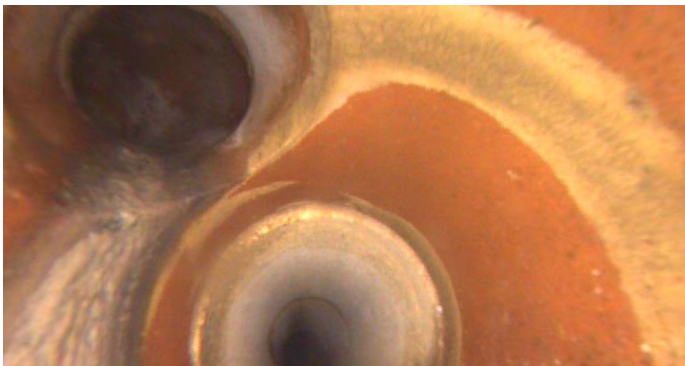
Distance (ft): **81.1**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From: **8**
Clock To: **4**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **F03**
Within 8" of Joint:
Remarks:

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

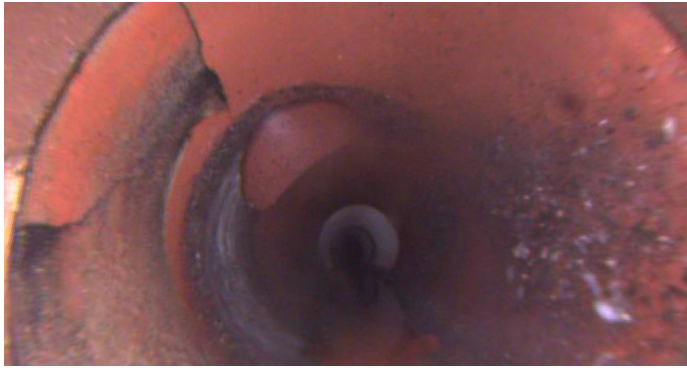


Distance (ft): **81.1**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks: **VCP**

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



Distance (ft): **82.7**
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: **Photo taken from rear camera.**



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

Distance (ft): **84.1**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **8**
Clock To: **10**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



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

Distance (ft): **85.5**
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: **Photo taken from rear camera.**

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



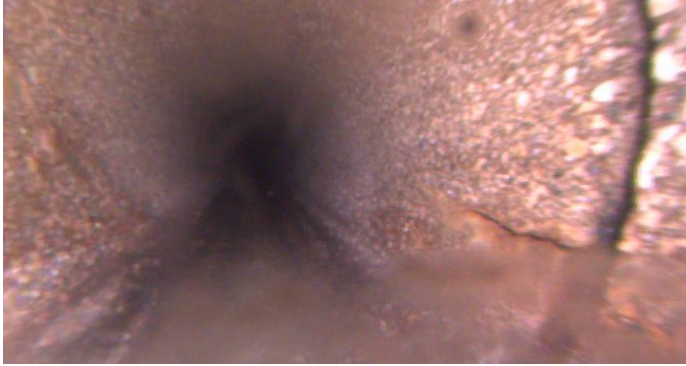
Distance (ft): **87.4**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks: **cp**

Code: **SAP**
Description: **Surface Aggregate Projecting**



Distance (ft): **87.4**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From: **8**
Clock To: **4**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **S04**
Within 8" of Joint:
Remarks:

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



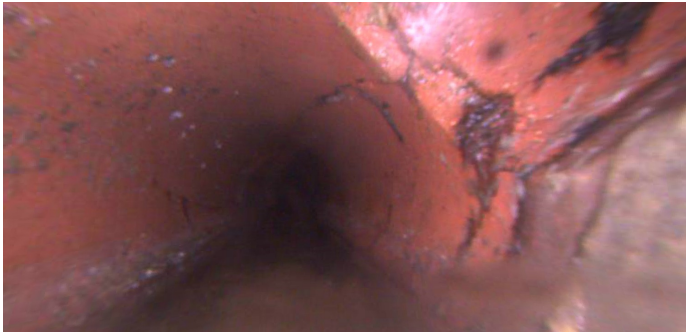
Distance (ft): **102.1**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From: **4**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

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



Distance (ft): **132.4**
Structural Grade: **4**
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: **Photo taken from rear camera.**

Code: **SAP**
Description: **Surface Aggregate Projecting**

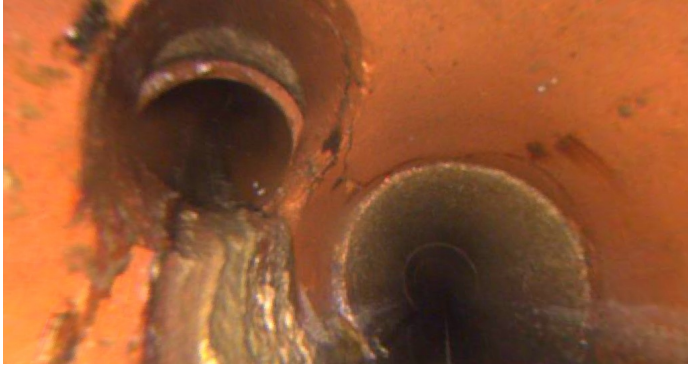


Distance (ft): **132.4**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From: **8**
Clock To: **4**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **F04**
Within 8" of Joint:
Remarks:

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

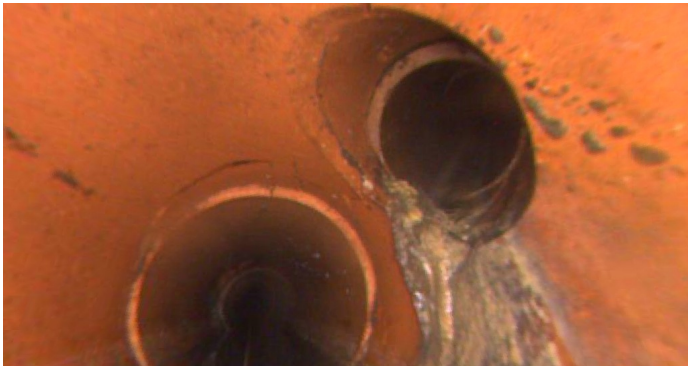


Distance (ft): **132.4**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks: **VCP**



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

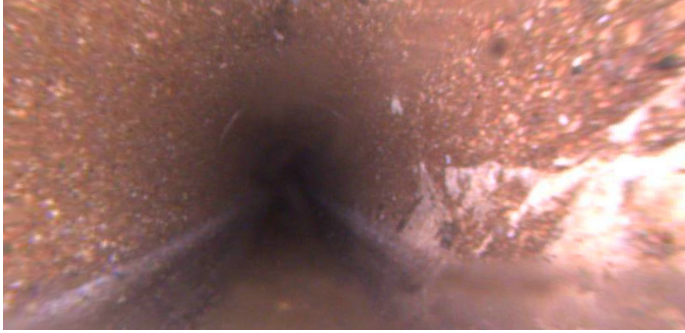
Distance (ft): **133.2**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **3**
Clock To:
1st Value: **4.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks: **Photo taken from rear camera.**



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

Distance (ft): **136.3**
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: **Photo taken from rear camera.**

Code: **SAP**
Description: **Surface Aggregate Projecting**



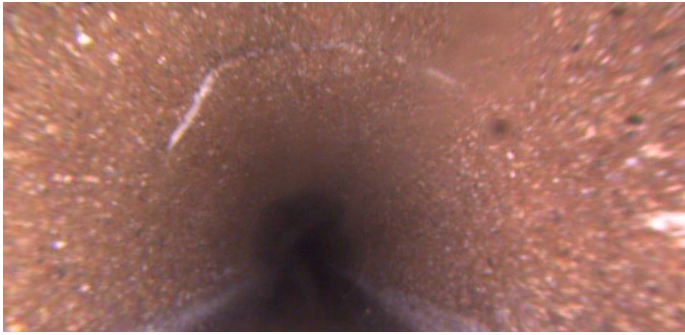
Distance (ft): **137.9**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From: **8**
Clock To: **4**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **S05**
Within 8" of Joint:
Remarks:

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



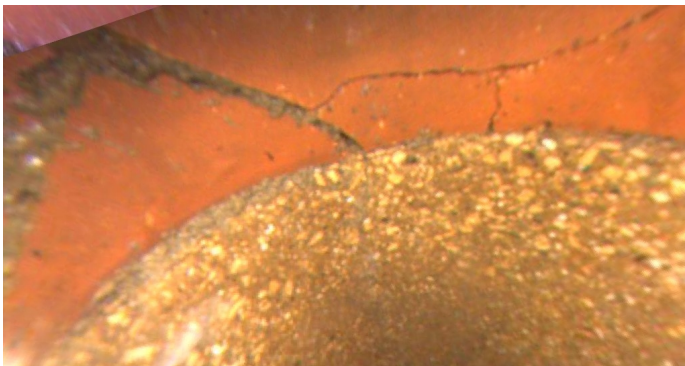
Distance (ft): **137.9**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks: **cp**

Code: **CC**
Description: **Crack Circumferential**



Distance (ft): **138.9**
Structural Grade: **1**
O&M Grade: **0**
Clock Start/From: **10**
Clock To: **2**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks:

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



Distance (ft): **179.7**
Structural Grade: **4**
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: **Photo taken from rear camera.**

Code: **SAP**
Description: **Surface Aggregate Projecting**

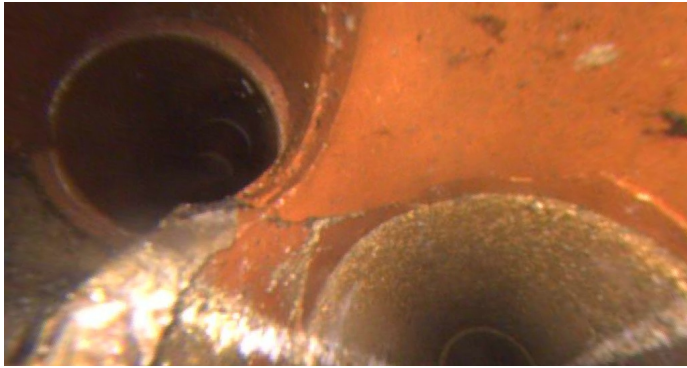


Distance (ft): **179.7**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From: **8**
Clock To: **4**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **F05**
Within 8" of Joint:
Remarks:

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



Distance (ft): **179.7**
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: **VC**



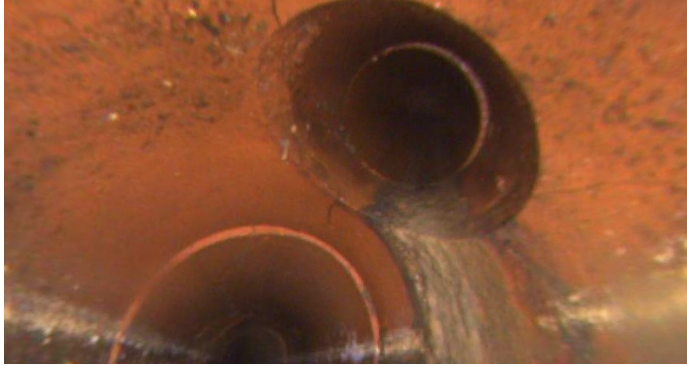
Code: **TF**
Description: **Tap Factory**

Distance (ft): **180.4**
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: **Photo taken from rear camera.**



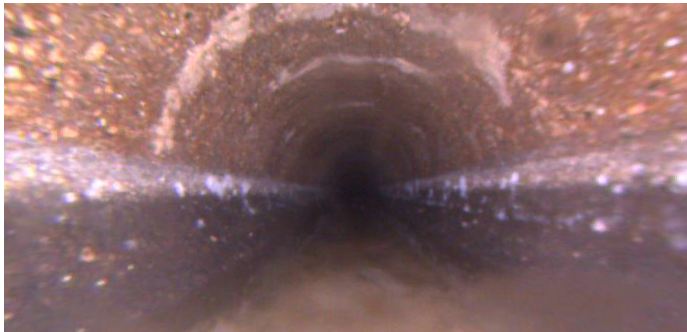
Code: **FM**
Description: **Fracture Multiple**

Distance (ft): **182.4**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **9**
Clock To: **11**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



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

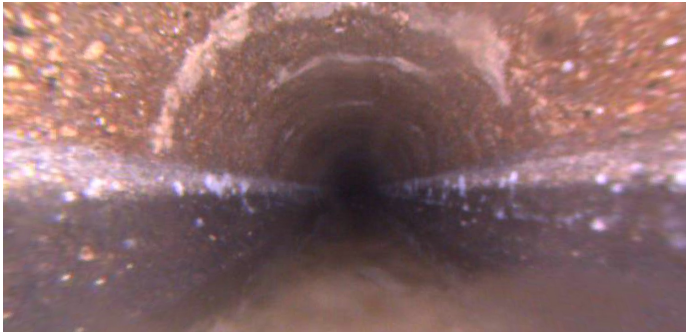
Distance (ft): **183.8**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **10**
Clock To:
1st Value: **4.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks: **Photo taken from rear camera.**



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

Distance (ft): **185.6**
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: **cp**

Code: **SAP**
Description: **Surface Aggregate Projecting**



Distance (ft): **185.6**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From: **8**
Clock To: **4**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **S06**
Within 8" of Joint:
Remarks:

Code: **SAP**
Description: **Surface Aggregate Projecting**



Distance (ft): **205.9**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From: **8**
Clock To: **4**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **F06**
Within 8" of Joint:
Remarks:



Code:	AMH
Description:	Manhole
Distance (ft):	207.4
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-503-027.5