

Profile/Photo Observation Report

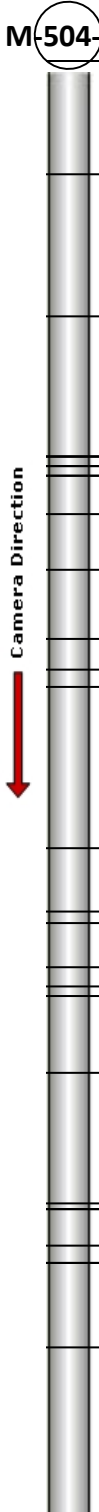


Date:	04/09/2018	Weather:		Coding:	PACP 6.0
Pipe Length (ft):	238.5	Owner:	NA	Pre Clean:	Not Known
P.O.#:		Surveyor:	Mark Ruby	PSR:	P-504-125-124
Customer:		Clean Date:	01/01/1900	Shape:	C

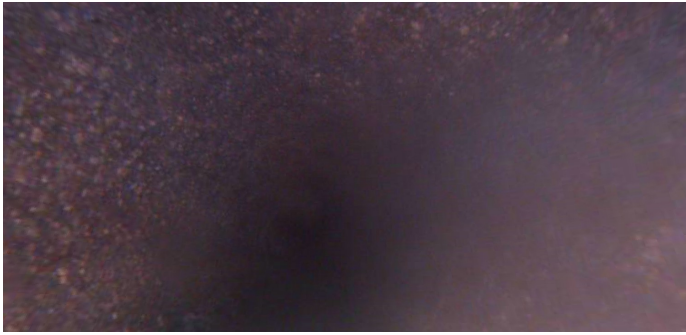
Street:	W 40th ave	Flow Control:	Not Controlled
City:	Hobart, IN	Year Renewed:	
Location:	Other	Tape/Media #:	
Purpose:	Not Known	Dia/Height:	10"
Use:	Sanitary	Material:	CP
Drain Area:	NA	Lining:	
Category:	NA		
Comment:			

Location Details:		Direction of Survey:	Upstream
US MH:	M-504-124	DS MH:	M-504-125
		Total Length Surveyed (ft):	241.9

O&M Index:	1.75	O&M Quick:	312A	O&M Rating:	28.00
Structural Index:	3.19	Structural Quick:	4A3H	Structural Rating:	204.00
Overall Index:	2.90	Overall Quick:	4A3H	Overall Rating:	232.00

	Position	Code	Observation	Video (sec)	Grade
 Camera Direction	M-504-125				
	.0	SAP(S01)	Surface Aggregate Projecting	11	S 3
	.0	AMH	Manhole	22	NA
	.0	MWL	Water Level	33	NA
	18.7	RMJ	Roots Medium Joint	82	M 3
	42.4	TBI	Tap Break-in Intruding	141	M 2
	65.8	SAP(F01)	Surface Aggregate Projecting	199	S 3
	65.8	RFJ	Roots Fine Joint	211	M 1
	65.8	MMC	Material Change	222	NA
	67.1	TFA	Tap Factory Active	238	NA
	67.3	TF	Tap Factory	253	NA
	68.9	MMC	Material Change	270	NA
	68.9	SAP(S02)	Surface Aggregate Projecting	281	S 3
	75.3	RFJ	Roots Fine Joint	305	M 1
	84.6	RFJ	Roots Fine Joint	336	M 1
	96.0	TBI	Tap Break-in Intruding	371	M 2
	101.0	TBI	Tap Break-in Intruding	393	M 2
	103.8	TBI	Tap Break-in Intruding	411	M 2
	130.6	FM	Fracture Multiple	476	S 4
	141.1	TBI	Tap Break-in Intruding	509	M 2
	143.1	FM	Fracture Multiple	525	S 4
	150.3	TBI	Tap Break-in Intruding	551	M 2
	153.5	TBI	Tap Break-in Intruding	569	M 2
	155.2	FM(S03)	Fracture Multiple	584	S 4
	168.1	CS	Crack Spiral	621	S 2
	189.5	CL	Crack Longitudinal	676	S 2
	190.5	TBI	Tap Break-in Intruding	689	M 2
	190.5	RFC	Roots Fine Connection	701	M 1
	196.8	TBC	Tap Break-in Capped	725	M 2
	199.5	TBI	Tap Break-in Intruding	743	M 2
	199.5	RFC	Roots Fine Connection	754	M 1
	213.4	FM(F03)	Fracture Multiple	793	S 4
	241.9	SAP(F02)	Surface Aggregate Projecting	862	S 3
	241.9	MSA	Abandoned Survey	873	NA
	M-504-124				

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



Distance (ft): **.0**
Structural Grade: **3**
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: **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-504-125**



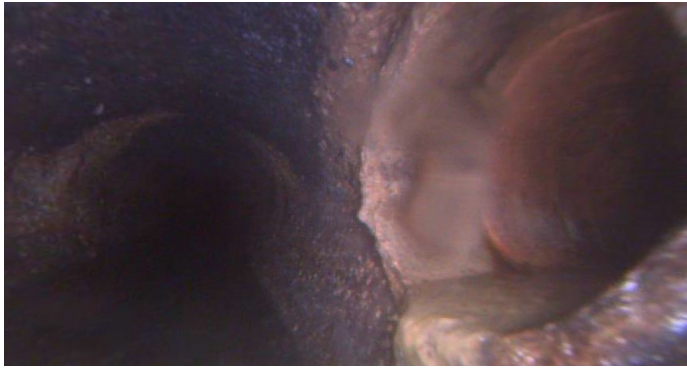
Code: **MWL**
Description: **Water Level**

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

Distance (ft): **18.7**
Structural Grade: **0**
O&M Grade: **3**
Clock Start/From: **12**
Clock To:
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



Code: **TBI**
Description: **Tap Break-in Intruding**

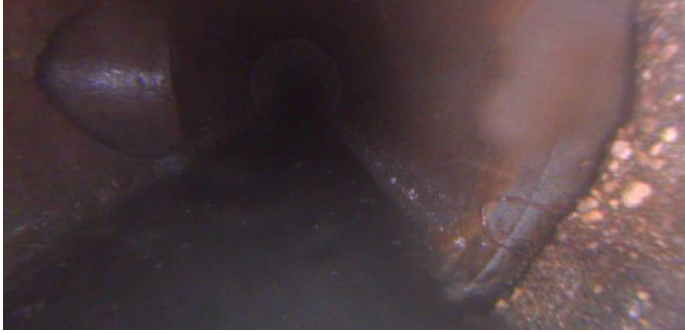
Distance (ft): **42.4**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **4**
Clock To:
1st Value: **4.000**
2nd Value: **1.000**
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks:



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

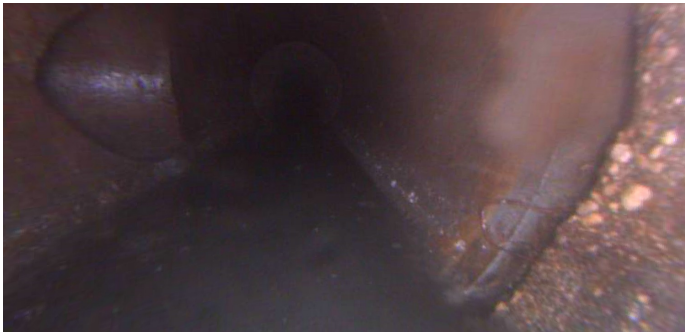
Distance (ft): **65.8**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From: **7**
Clock To: **5**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **F01**
Within 8" of Joint:
Remarks:

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



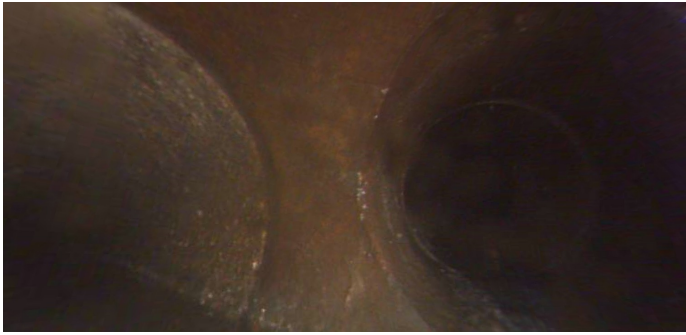
Distance (ft): **65.8**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **3**
Clock To: **4**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

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



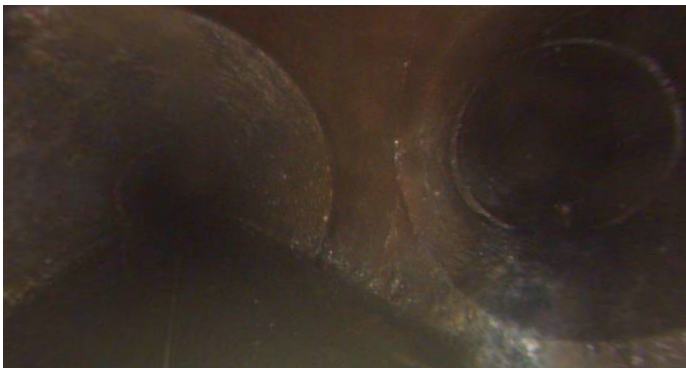
Distance (ft): **65.8**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks: **VCP**

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



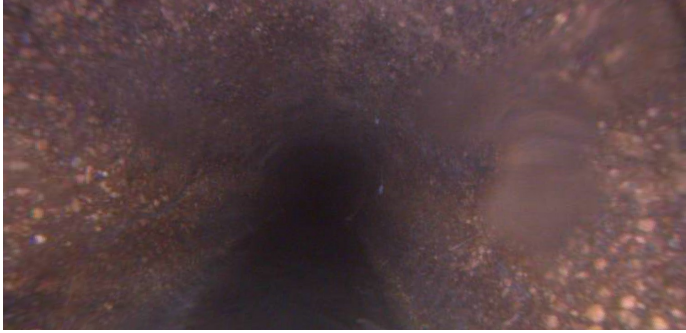
Distance (ft): **67.1**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **9**
Clock To:
1st Value: **4.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks:

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



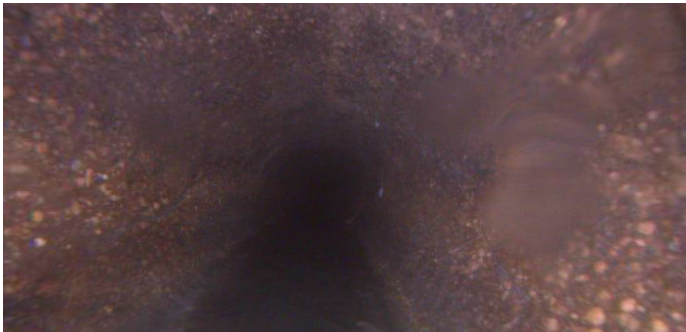
Distance (ft): **67.3**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **8**
Clock To:
1st Value: **4.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks: **Photo taken from rear camera.**

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



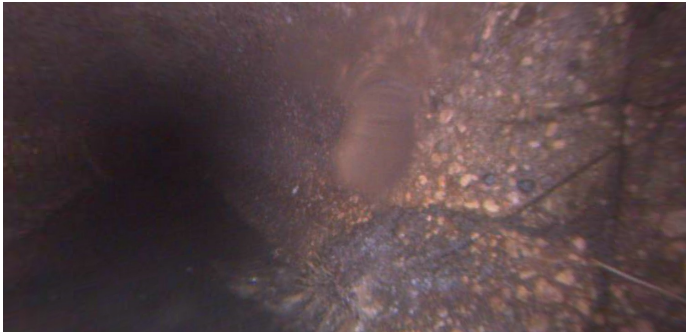
Distance (ft): **68.9**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks: **SAP**

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



Distance (ft): **68.9**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From: **7**
Clock To: **5**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **S02**
Within 8" of Joint:
Remarks:

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



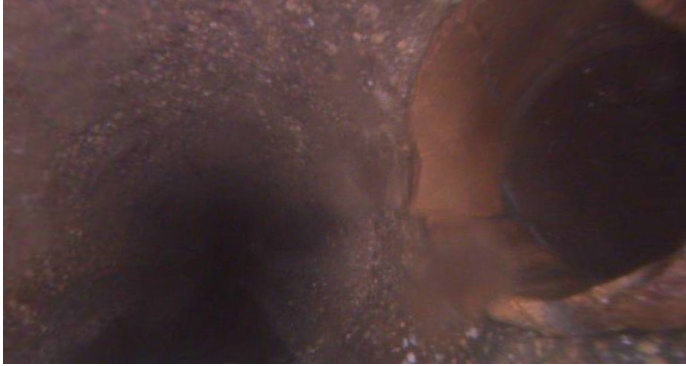
Distance (ft): **75.3**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **3**
Clock To: **4**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

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



Distance (ft): **84.6**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **1**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

Code: **TBI**
Description: **Tap Break-in Intruding**

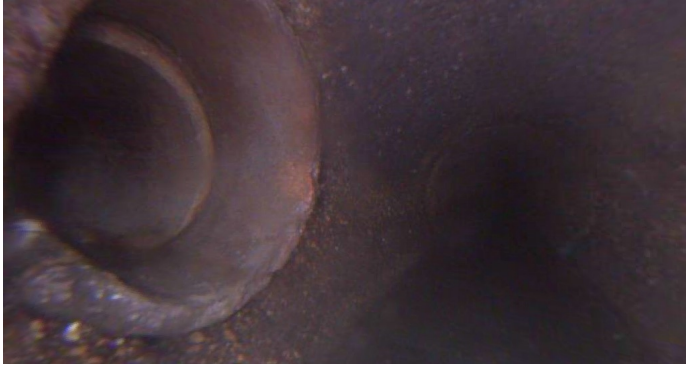


Distance (ft): **96.0**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **4**
Clock To:
1st Value: **4.000**
2nd Value: **1.000**
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks:

Code: **TBI**
Description: **Tap Break-in Intruding**

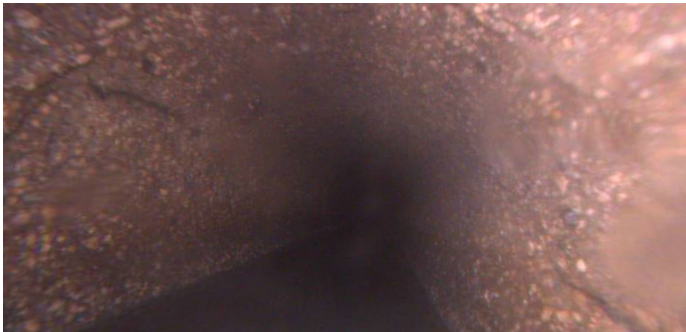


Distance (ft): **101.0**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **3**
Clock To:
1st Value: **4.000**
2nd Value: **1.000**
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks: **CAPPED**



Code: **TBI**
Description: **Tap Break-in Intruding**

Distance (ft): **103.8**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **9**
Clock To:
1st Value: **4.000**
2nd Value: **1.000**
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks:



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

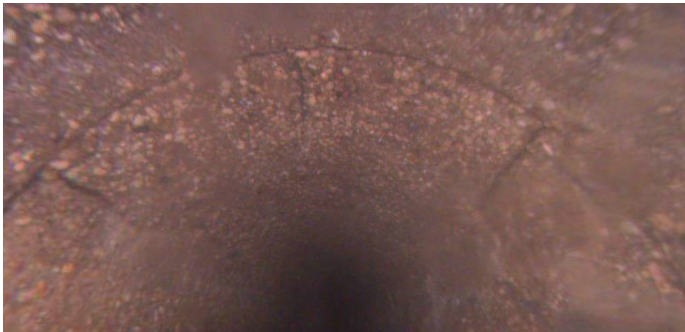
Distance (ft): **130.6**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **10**
Clock To: **4**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

Code: **TBI**
Description: **Tap Break-in Intruding**

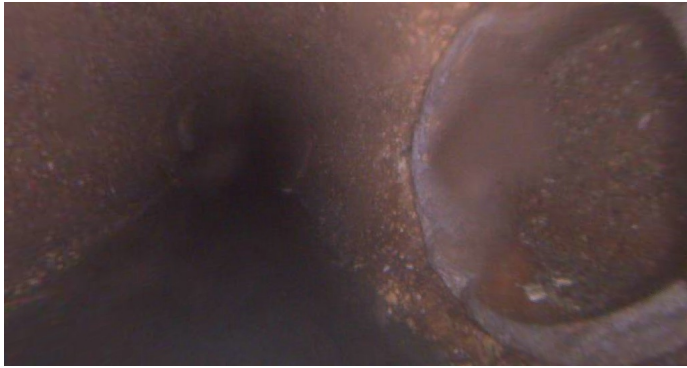


Distance (ft): **141.1**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **3**
Clock To:
1st Value: **4.000**
2nd Value: **1.000**
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks:

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

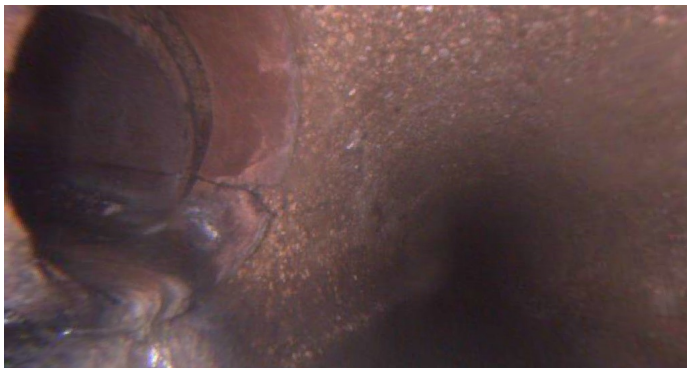


Distance (ft): **143.1**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **10**
Clock To: **2**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



Code: **TBI**
Description: **Tap Break-in Intruding**

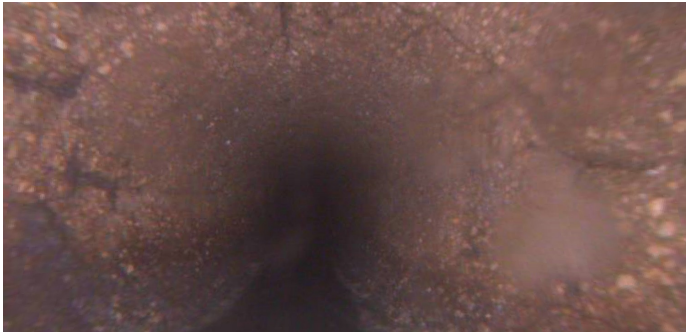
Distance (ft): **150.3**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **3**
Clock To:
1st Value: **4.000**
2nd Value: **1.000**
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks: **CAPPED**



Code: **TBI**
Description: **Tap Break-in Intruding**

Distance (ft): **153.5**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **9**
Clock To:
1st Value: **4.000**
2nd Value: **1.000**
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks:

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



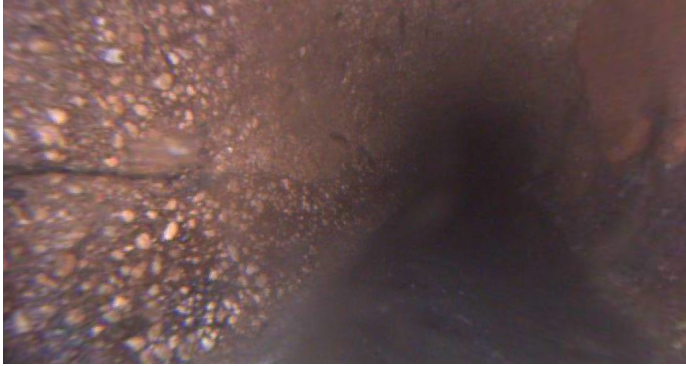
Distance (ft): **155.2**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **8**
Clock To: **4**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **S03**
Within 8" of Joint: **YES**
Remarks:

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



Distance (ft): **168.1**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From: **8**
Clock To: **9**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:

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



Distance (ft): **189.5**
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: **YES**
Remarks:

Code: **TBI**
Description: **Tap Break-in Intruding**



Distance (ft): **190.5**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **3**
Clock To:
1st Value: **4.000**
2nd Value: **1.000**
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks:

Code: **RFC**
Description: **Roots Fine Connection**



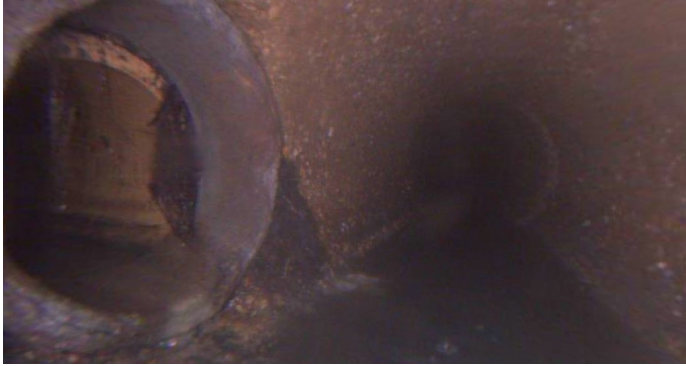
Distance (ft): **190.5**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **3**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks:

Code: **TBC**
Description: **Tap Break-in Capped**



Distance (ft): **196.8**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **4**
Clock To:
1st Value: **4.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks:

Code: **TBI**
Description: **Tap Break-in Intruding**



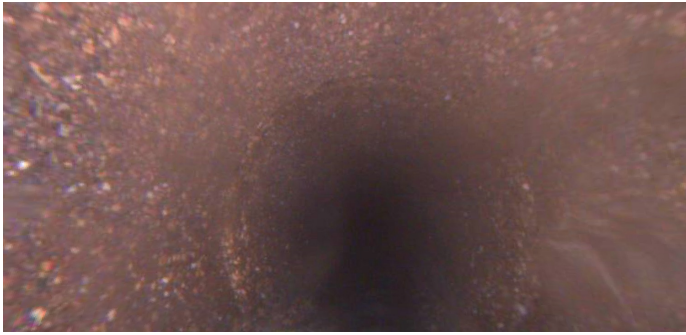
Distance (ft): **199.5**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **9**
Clock To:
1st Value: **4.000**
2nd Value: **1.000**
Value Percent:
Continuous Index:
Within 8" of Joint:
Remarks:

Code: **RFC**
Description: **Roots Fine Connection**



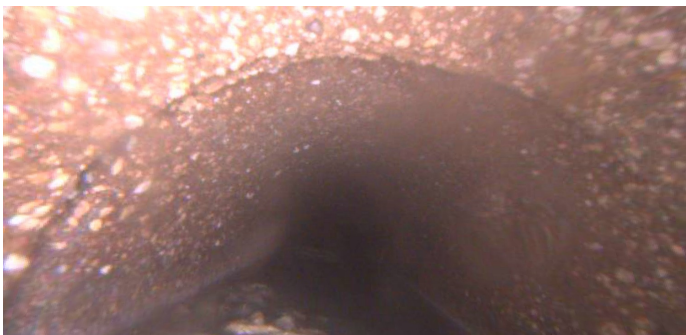
Distance (ft): **199.5**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **8**
Clock To: **9**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks:

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



Distance (ft): **213.4**
Structural Grade: **4**
O&M Grade: **0**
Clock Start/From: **8**
Clock To: **4**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **F03**
Within 8" of Joint: **YES**
Remarks:

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



Distance (ft): **241.9**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From: **7**
Clock To: **5**
1st Value:
2nd Value:
Value Percent:
Continuous Index: **F02**
Within 8" of Joint:
Remarks:



Code:	MSA
Description:	Abandoned Survey
Distance (ft):	241.9
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:	Debris