

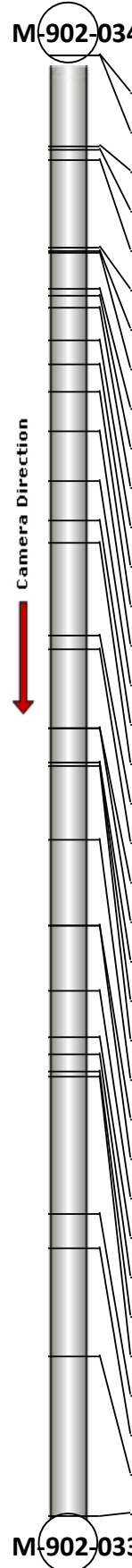
Profile/Photo Observation Report

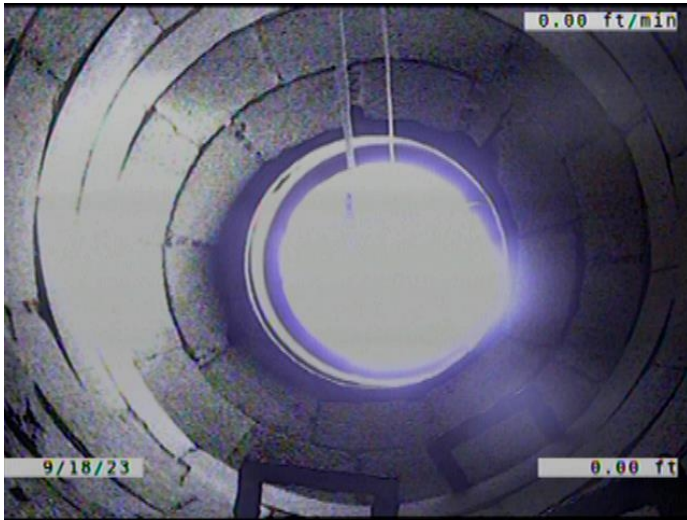


Date:	09/18/2023	Weather:		Coding:	PACP 7.0
Pipe Length (ft):	205.0	Owner:	City of Hobart	Pre Clean:	Heavy Cleaning
P.O.#:	YES502259	Surveyor:	S. Bucklin	PSR:	P-902-034-033
Customer:	City of Hobart	Clean Date:	08/14/2023	Shape:	C

Street:	East 34th Place	Flow Control:	Not Controlled
City:	Hobart, IN	Year Renewed:	
Location:	Easement/Right of Way	Tape/Media #:	
Purpose:	Routine Assessment	Dia/Height:	8"
Use:	Sanitary Sewage Pipe	Material:	VCP
Drain Area:		Lining:	None
Category:	NA		
Comment:			
Location Details:		Direction of Survey:	Downstream
US MH:	M-902-034	DS MH:	M-902-033
		Total Length Surveyed (ft):	199.4

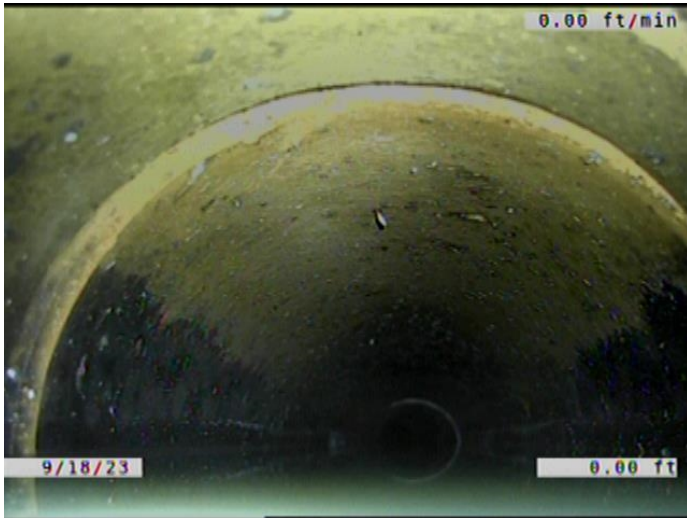
O&M Index:	1.83	O&M Quick:	3221	O&M Rating:	11.00
Structural Index:	2.52	Structural Quick:	5432	Structural Rating:	68.00
Overall Index:	2.39	Overall Quick:	5434	Overall Rating:	79.00

	Position	Code	Observation	Video (sec)	Grade
	.0	AMH	Manhole	0	NA
	.0	MWL	Miscellaneous Water Level	75	NA
	12.4	HVV	Hole Void Visible	267	S 5
	12.9	CM	Crack Multiple	301	S 3
	14.3	JAM	Joint Angular Medium	354	S 3
	26.3	SSS	Surface Damage Surface Spalling	570	S 2
	26.7	RFC	Roots Fine Connection	632	M 1
	26.9	TBD	Tap Break-in/Hammer Defective	651	M 3
	31.9	MWL	Miscellaneous Water Level	721	NA
	32.9	SSS	Surface Damage Surface Spalling	752	S 2
	34.4	SSS	Surface Damage Surface Spalling	785	S 2
	38.9	MWLS(S01)	Miscellaneous Water Level Sag	832	S 2
	42.1	MWLS(F01)	Miscellaneous Water Level Sag	860	S 2
	46.0	MWLS(S02)	Miscellaneous Water Level Sag	888	S 2
	51.2	HVV	Hole Void Visible	978	S 5
	58.0	MWLS(F02)	Miscellaneous Water Level Sag	1037	S 2
	63.5	TFC	Tap Factory Capped	1084	NA
	66.5	TFC	Tap Factory Capped	1119	NA
	79.2	MWLS(S03)	Miscellaneous Water Level Sag	1203	S 2
	81.1	RPP	Point Repair Patch	1267	NA
	91.8	HVV	Hole Void Visible	1368	S 5
	91.8	RFB	Roots Fine Barrel	1380	M 2
	96.6	RFC	Roots Fine Connection	1430	M 1
	96.6	SSS	Surface Damage Surface Spalling	1475	S 2
	97.0	TBD	Tap Break-in/Hammer Defective	1495	M 3
	107.1	HVV	Hole Void Visible	1610	S 5
	118.9	MWLS(F03)	Miscellaneous Water Level Sag	1698	S 2
	118.9	MWL	Miscellaneous Water Level	1707	NA
	127.7	SSS	Surface Damage Surface Spalling	1760	S 2
	134.1	MWLS(S04)	Miscellaneous Water Level Sag	1799	S 2
	136.4	TFC	Tap Factory Capped	1824	NA
	138.8	MWLS(F04)	Miscellaneous Water Level Sag	1852	S 2
	139.5	TFC	Tap Factory Capped	1870	NA
	158.2	MWLS(S05)	Miscellaneous Water Level Sag	1965	S 2
	162.8	LR	Line Right	2003	M 1
	177.7	MWLS(F05)	Miscellaneous Water Level Sag	2127	S 2
	199.4	AMH	Manhole	2301	NA
M-902-033					



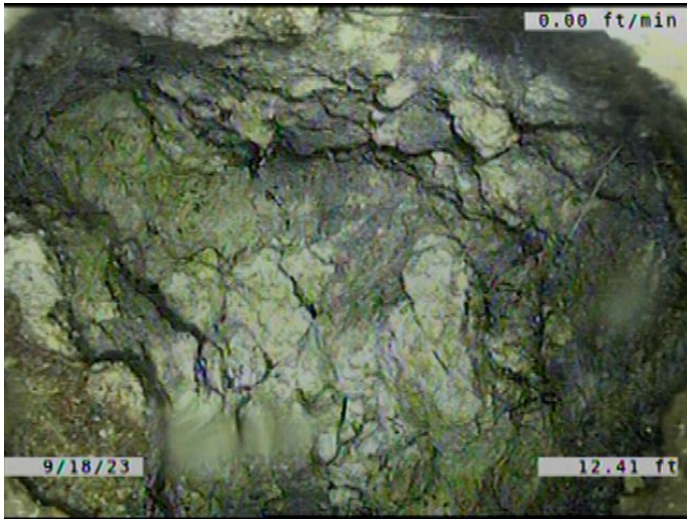
Code: **AMH**
Description: **Manhole**

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-902-034**



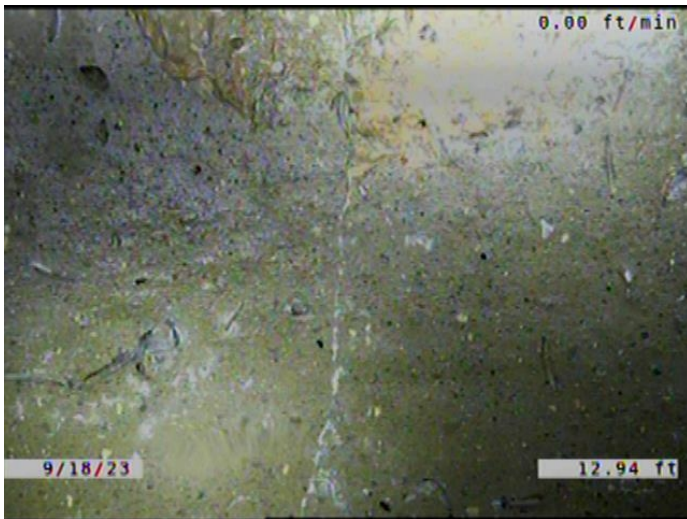
Code: **MWL**
Description: **Miscellaneous Water Level**

Distance (ft): **.0**
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:



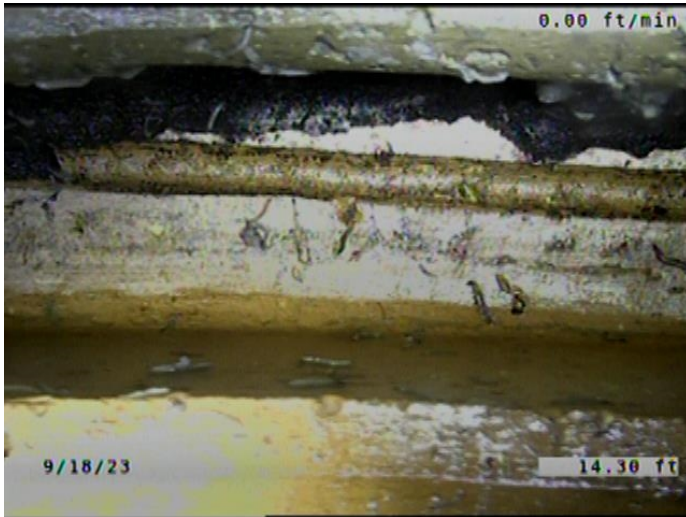
Code: **HVV**
Description: **Hole Void Visible**

Distance (ft): **12.4**
Structural Grade: **5**
O&M Grade: **0**
Clock Start/From: **11**
Clock To: **1**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



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

Distance (ft): **12.9**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From: **11**
Clock To: **1**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



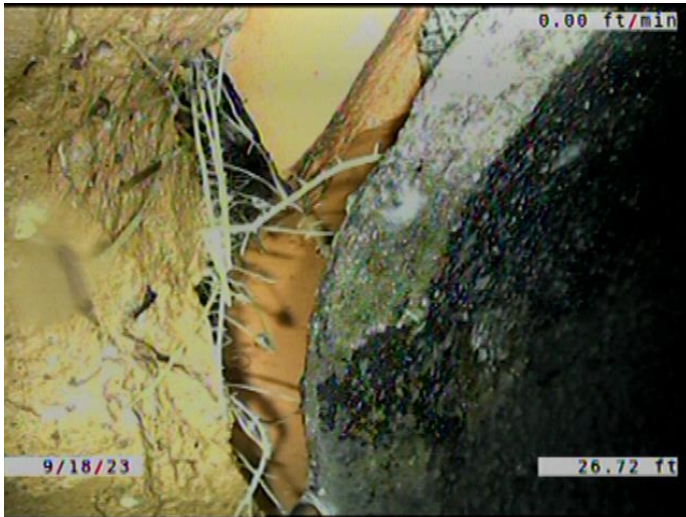
Code: **JAM**
Description: **Joint Angular Medium**

Distance (ft): **14.3**
Structural Grade: **3**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



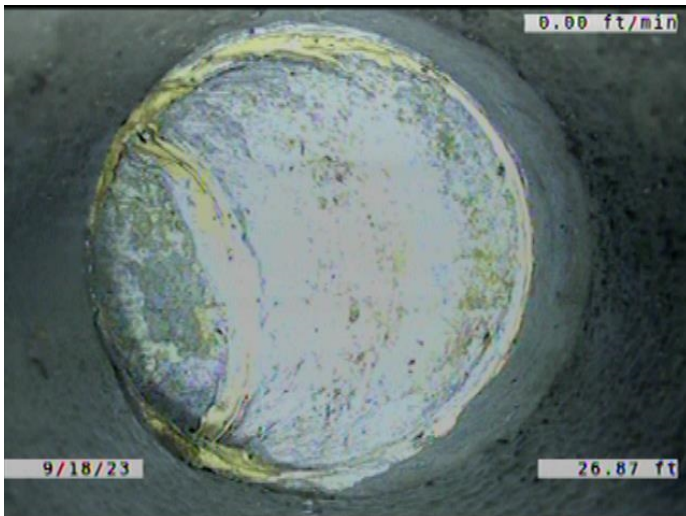
Code: **SSS**
Description: **Surface Damage Surface Spalling**

Distance (ft): **26.3**
Structural Grade: **2**
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:



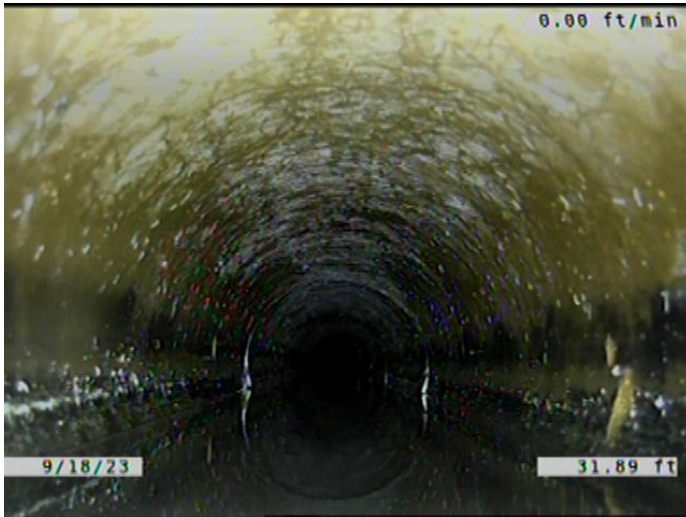
Code: **RFC**
Description: **Roots Fine Connection**

Distance (ft): **26.7**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From: **11**
Clock To: **12**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



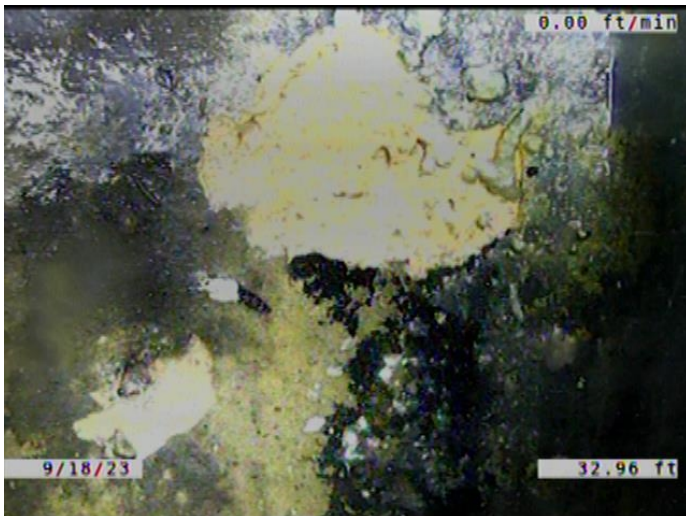
Code: **TBD**
Description: **Tap Break-in/Hammer Defective**

Distance (ft): **26.9**
Structural Grade: **0**
O&M Grade: **3**
Clock Start/From: **12**
Clock To:
1st Value: **6.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks: **LOOKS TO GO TO THE NORTH.**



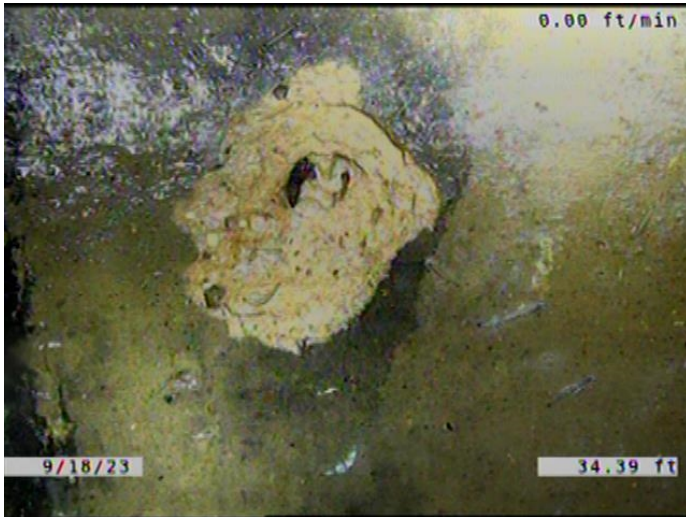
Code: **MWL**
Description: **Miscellaneous Water Level**

Distance (ft): **31.9**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **20.000**
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



Code: **SSS**
Description: **Surface Damage Surface Spalling**

Distance (ft): **32.9**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From: **3**
Clock To: **4**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



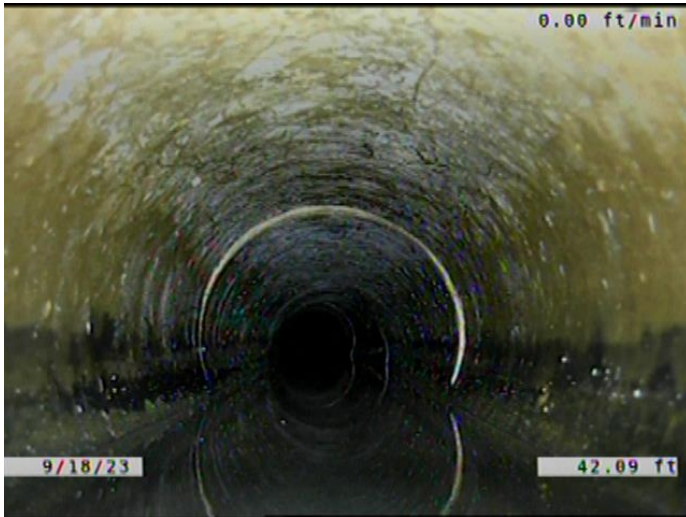
Code: **SSS**
Description: **Surface Damage Surface Spalling**

Distance (ft): **34.4**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From: **9**
Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **38.9**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **25.000**
Continuous Index: **S01**
Within 8" of Joint: **NO**
Remarks:



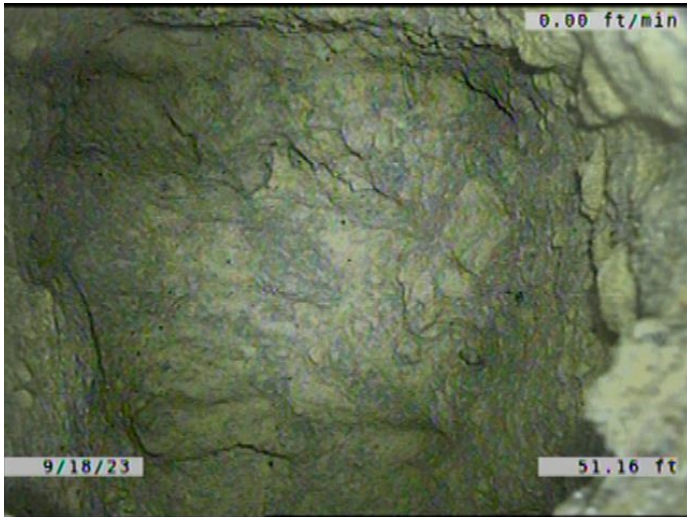
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **42.1**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **25.000**
Continuous Index: **F01**
Within 8" of Joint: **NO**
Remarks:



Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **46.0**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **25.000**
Continuous Index: **S02**
Within 8" of Joint: **NO**
Remarks:



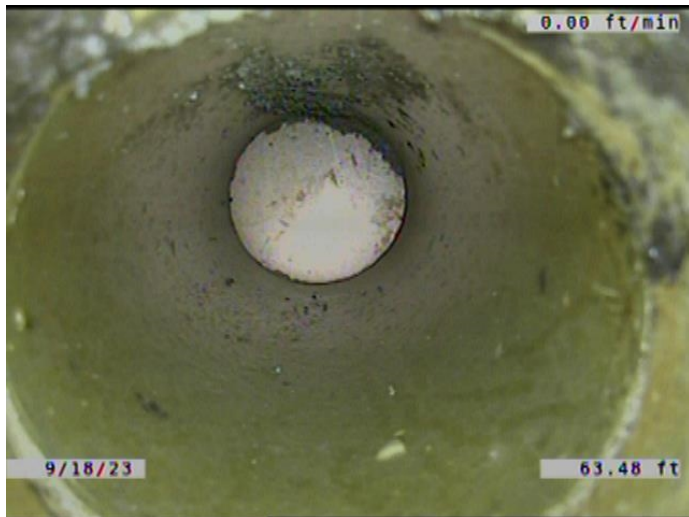
Code: **HVV**
Description: **Hole Void Visible**

Distance (ft): **51.2**
Structural Grade: **5**
O&M Grade: **0**
Clock Start/From: **10**
Clock To: **2**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



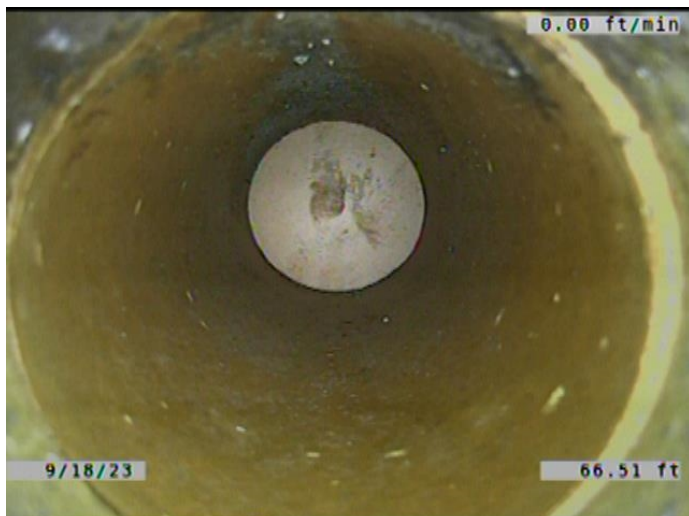
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **58.0**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **25.000**
Continuous Index: **F02**
Within 8" of Joint: **NO**
Remarks:



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

Distance (ft): **63.5**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **12**
Clock To:
1st Value: **6.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks: **ROOTS GROWING IN THE SERVICE TO MAIN JOINT.**



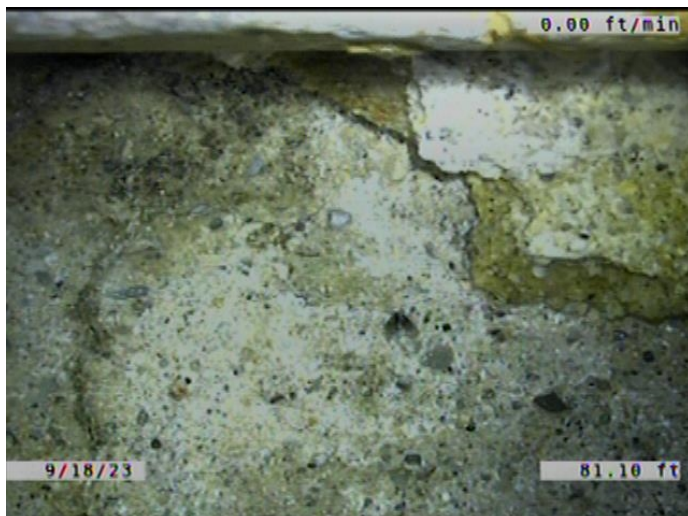
Code: **TFC**
Description: **Tap Factory Capped**

Distance (ft): **66.5**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **12**
Clock To:
1st Value: **6.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



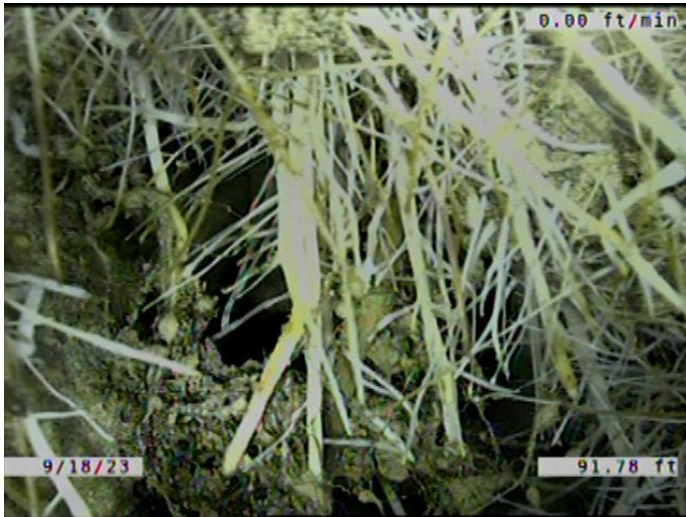
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **79.2**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **25.000**
Continuous Index: **S03**
Within 8" of Joint: **NO**
Remarks:



Code: **RPP**
Description: **Point Repair Patch**

Distance (ft): **81.1**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **10**
Clock To: **1**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks: **REPAIRED WITH CONCRETE WHERE THE PIPE WALL IS MISSING.**



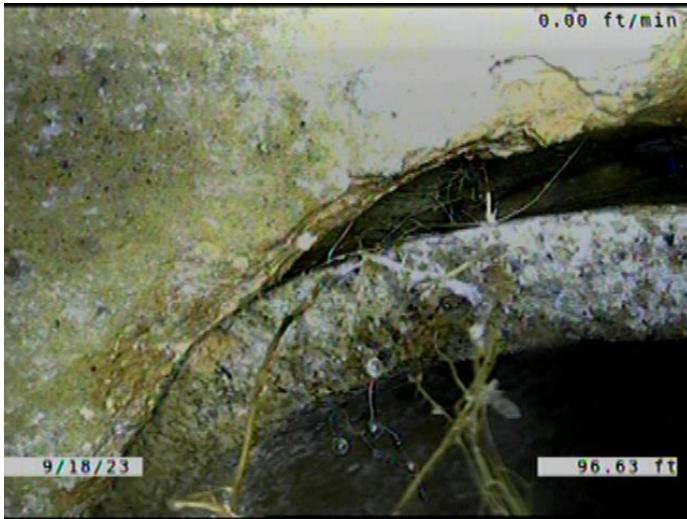
Code: **HVV**
Description: **Hole Void Visible**

Distance (ft): **91.8**
Structural Grade: **5**
O&M Grade: **0**
Clock Start/From: **12**
Clock To: **2**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



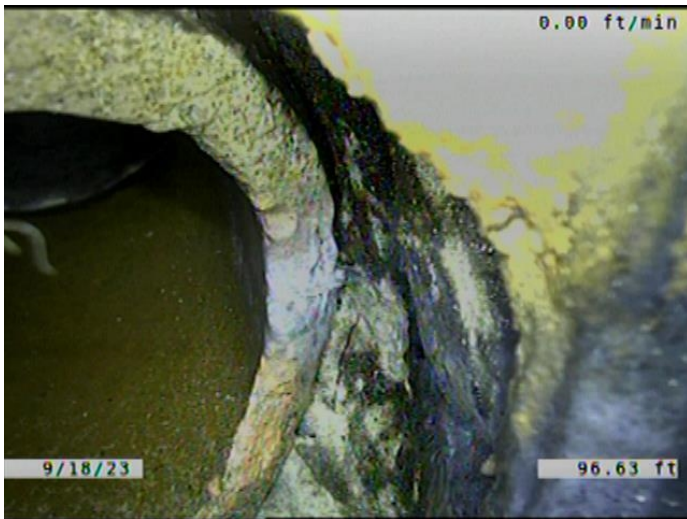
Code: **RFB**
Description: **Roots Fine Barrel**

Distance (ft): **91.8**
Structural Grade: **0**
O&M Grade: **2**
Clock Start/From: **11**
Clock To: **1**
1st Value:
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **NO**
Remarks: **ROOTS GROWING FROM THE HOLE
IN THE PIPE INTO THE MIAN.**



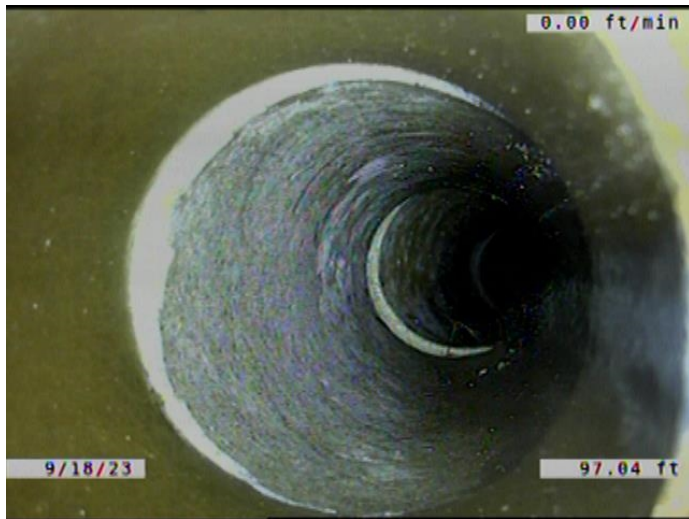
Code: **RFC**
 Description: **Roots Fine Connection**

Distance (ft): **96.6**
 Structural Grade: **0**
 O&M Grade: **1**
 Clock Start/From: **12**
 Clock To: **1**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks:

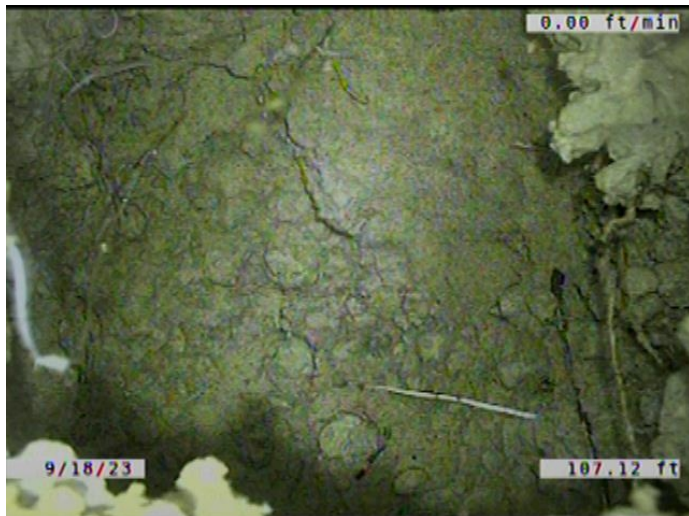


Code: **SSS**
 Description: **Surface Damage Surface Spalling**

Distance (ft): **96.6**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From: **11**
 Clock To: **3**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



Code:	TBD
Description:	Tap Break-in/Hammer Defective
Distance (ft):	97.0
Structural Grade:	0
O&M Grade:	3
Clock Start/From:	2
Clock To:	
1st Value:	6.000
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	YES
Remarks:	ROOTS GROWING IN AND AROUND THE SERVICE.

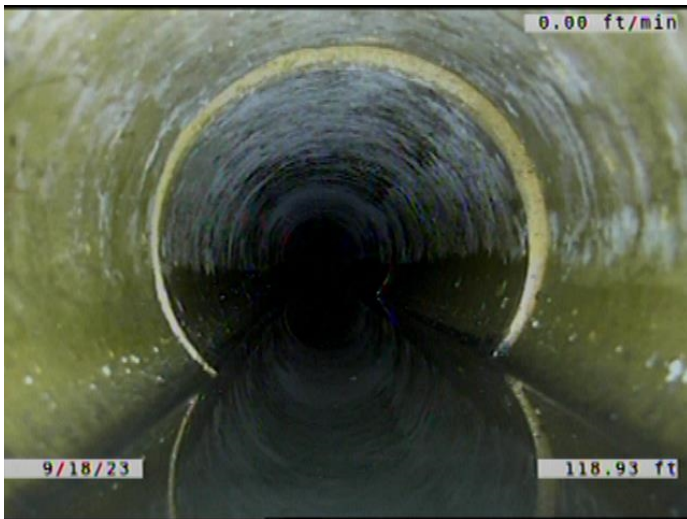


Code:	HVV
Description:	Hole Void Visible
Distance (ft):	107.1
Structural Grade:	5
O&M Grade:	0
Clock Start/From:	11
Clock To:	1
1st Value:	
2nd Value:	
Value Percent:	
Continuous Index:	
Within 8" of Joint:	NO
Remarks:	



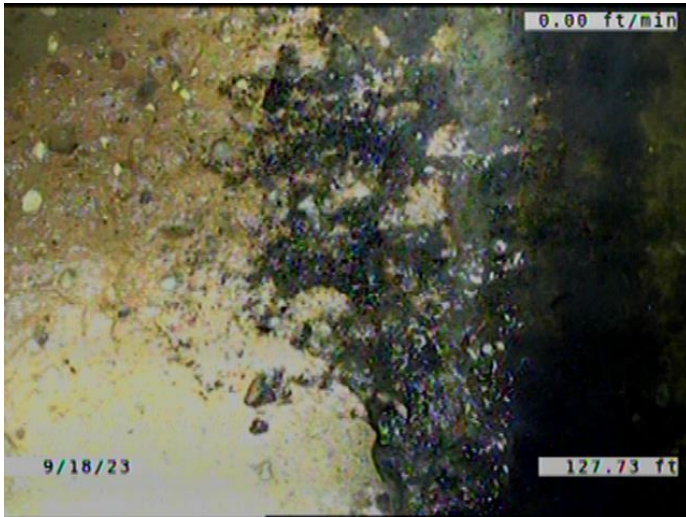
Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **118.9**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **25.000**
Continuous Index: **F03**
Within 8" of Joint: **NO**
Remarks:



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

Distance (ft): **118.9**
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:



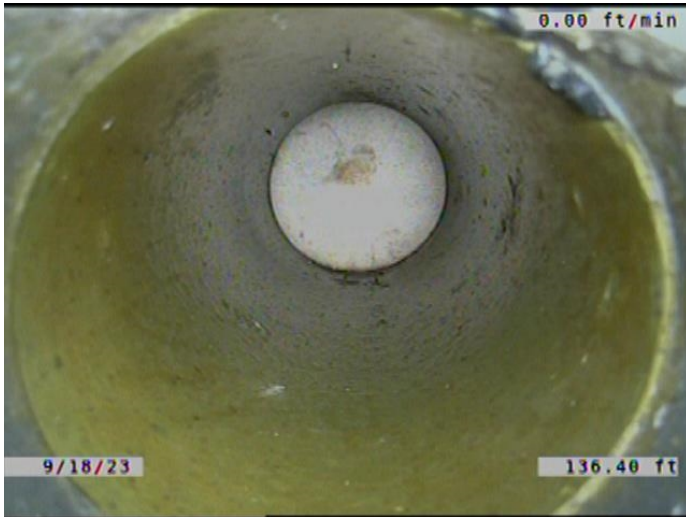
Code: **SSS**
 Description: **Surface Damage Surface Spalling**

Distance (ft): **127.7**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From: **7**
 Clock To: **9**
 1st Value:
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **NO**
 Remarks:



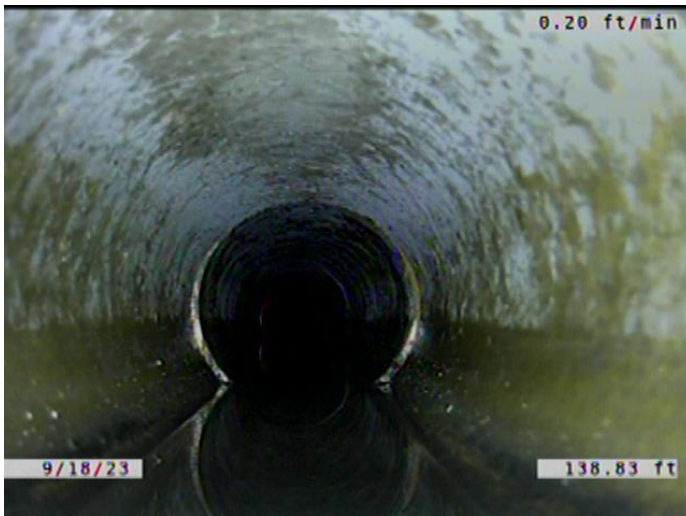
Code: **MWLS**
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **134.1**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **10.000**
 Continuous Index: **S04**
 Within 8" of Joint: **NO**
 Remarks:



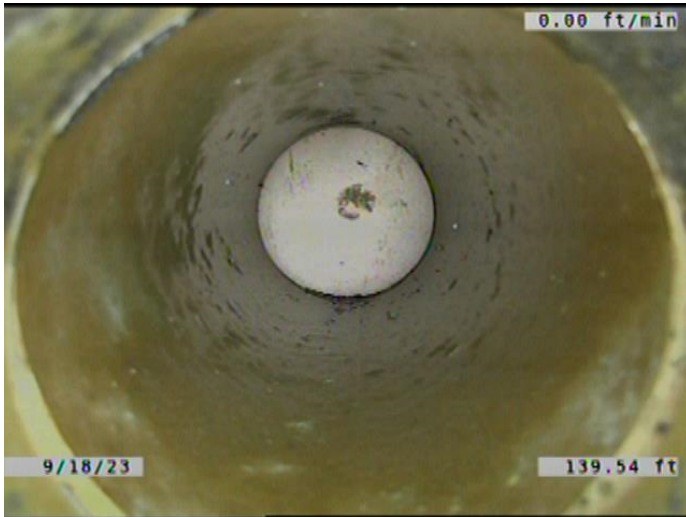
Code: **TFC**
Description: **Tap Factory Capped**

Distance (ft): **136.4**
Structural Grade: **0**
O&M Grade: **0**
Clock Start/From: **12**
Clock To:
1st Value: **6.000**
2nd Value:
Value Percent:
Continuous Index:
Within 8" of Joint: **YES**
Remarks:



Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **138.8**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **10.000**
Continuous Index: **F04**
Within 8" of Joint: **NO**
Remarks:



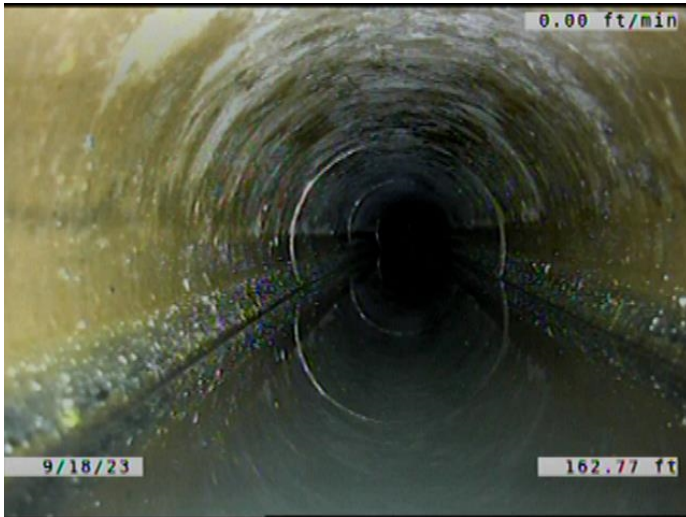
Code: **TFC**
 Description: **Tap Factory Capped**

Distance (ft): **139.5**
 Structural Grade: **0**
 O&M Grade: **0**
 Clock Start/From: **12**
 Clock To:
 1st Value: **6.000**
 2nd Value:
 Value Percent:
 Continuous Index:
 Within 8" of Joint: **YES**
 Remarks:



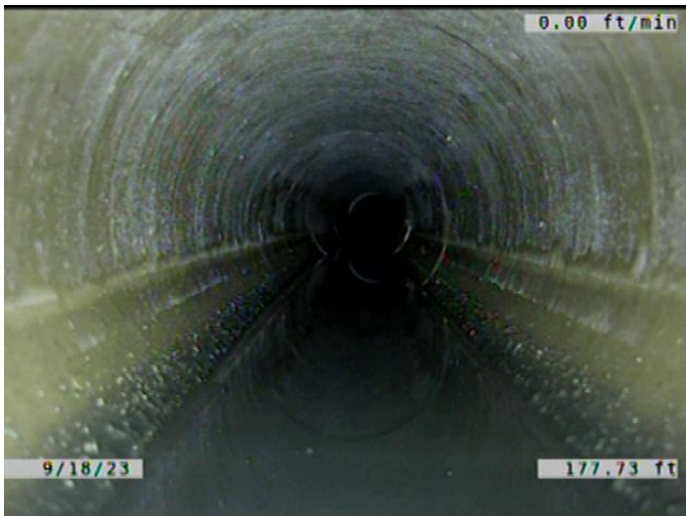
Code: **MWLS**
 Description: **Miscellaneous Water Level Sag**

Distance (ft): **158.2**
 Structural Grade: **2**
 O&M Grade: **0**
 Clock Start/From:
 Clock To:
 1st Value:
 2nd Value:
 Value Percent: **20.000**
 Continuous Index: **S05**
 Within 8" of Joint: **NO**
 Remarks:



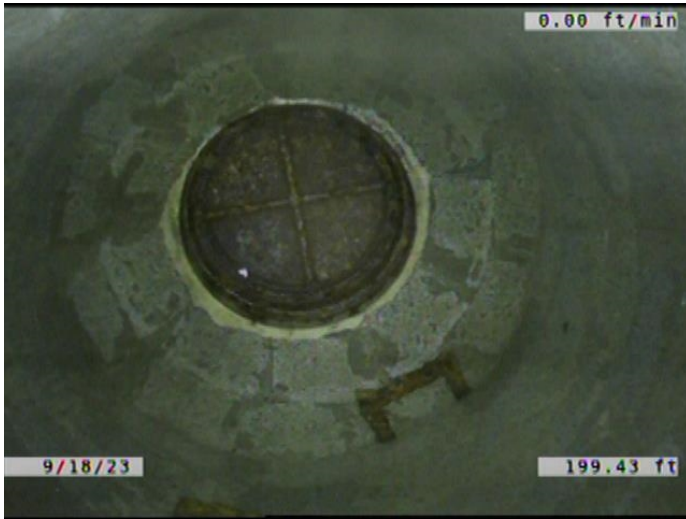
Code: **LR**
Description: **Line Right**

Distance (ft): **162.8**
Structural Grade: **0**
O&M Grade: **1**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **5.000**
Continuous Index:
Within 8" of Joint: **NO**
Remarks:



Code: **MWLS**
Description: **Miscellaneous Water Level Sag**

Distance (ft): **177.7**
Structural Grade: **2**
O&M Grade: **0**
Clock Start/From:
Clock To:
1st Value:
2nd Value:
Value Percent: **20.000**
Continuous Index: **F05**
Within 8" of Joint: **NO**
Remarks:



Code:	AMH
Description:	Manhole
Distance (ft):	199.4
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-902-033