Profile/Photo Observation Report



Date: 10/15/2021 **PACP 7.0** Weather: Coding: Pipe Length (ft): 331.2 Owner: **City of Hobart** Pre Clean: **Heavy Cleaning** P.O.#: S. Bucklin PSR: P-704-016-014 YES502259 Surveyor:

Customer: City of Hobart Clean Date: 10/12/2021 Shape: C

Street: North Michigan Avenue Flow Control: Not Controlled

City: Hobart, IN Year Renewed:
Location: Local rural streets with light traffic, t Tape/Media #:

Purpose: Routine Assessment Dia/Height: 8"
Use: Sanitary Sewage Pipe Material: VCP

Drain Area: Lining:

Category: NA

Comment:

Location Details: Direction of Survey: **Downstream**

US MH: M-704-016 DS MH: M-704-014 Total Length Surveyed (ft): 331.2

1.70 73.00 O&M Index: O&M Quick: O&M Rating: 3.79 5A4J 330.00 Structural Rating: Structural Index: Structural Quick: 5A4J 3.10 403.00 Overall Quick: Overall Rating: Overall Index:

	Position	Code	Observation	Video (sec)	Grade
704	016				
	0.	AMH	Manhole	1	NA
	0.	MWL	Miscellaneous Water Level	55	NA
	2.6	RFJ	Roots Fine Joint	115	M 1
ш	2.6	MMC	Miscellaneous Material Change	129	NA
ш	2.6	JAM	Joint Angular Medium	140	S 3
н	2.6	HVV	Hole Void Visible	166	S 5
	3.5	TFC	Tap Factory Capped	199	NA
ш	4.6	SMW	Surface Damage Missing Wall	235	S 5
	5.7	HSV	Hole Soil Visible	290	S 5
	6.0	TBI	Tap Break-in Intruding	309	M 2
н	15.0	SZ	Surface Damage Other	356	NA
ш	15.1	JAL	Joint Angular Large	386	S 4
ш	17.3	JSL	Joint Separated Large	413	S 4
ш	17.3	MWLS(S01)	Miscellaneous Water Level Sag	429	S 2
ш	23.3	MCU	Miscellaneous Camera Underwater	473	M 4
ш	23.3	FM	Fracture Multiple	488	S 4
	26.9	MWLS(F01)	Miscellaneous Water Level Sag	538	S 2
	√ \ \ <u>28.5</u>	DAE	Deposits Attached Encrustation	562	M 2
	11.2	DAE	Deposits Attached Encrustation	647	M 2

54.8 JAM Joint Angular Medium 745	S 3
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	NA
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	S 4
\\\\ 54.8 JAM Joint Angular Medium 887	S 3
57.1 MWLS Miscellaneous Water Level Sag 919	S 2
66.3 DAE Deposits Attached Encrustation 977	M 2
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	NA
68.3 FM Fracture Multiple 1057	S 4
73.2 TF Tap Factory 1095	NA
73.2 SZ(F02) Surface Damage Other 1110	NA
76.4 FM Fracture Multiple 1166	S 4
79.9 B Broken 1254	S 4
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	S 4
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	S 3
90.1 FM Fracture Multiple 1415	S 4
94.1 BSV Broken Soil Visible 1504	S 5
94.1 RFB Roots Fine Barrel 1534	M 2
94.6 TBI Tap Break-in Intruding 1570	M 2
96.3 JAL Joint Angular Large 1601	S 4
96.3 DAE Deposits Attached Encrustation 1618	M 2
98.4 FM Fracture Multiple 1664	S 4
98.4 RFJ Roots Fine Joint 1689	M 1
102.6 B Broken 1747	S 4
102.6 RFJ Roots Fine Joint 1788	M 1
107.7 TFC Tap Factory Capped 1835	NA
108.6 SMW Surface Damage Missing Wall 1898	S 5
108.6 BSV Broken Soil Visible 1923	S 5
108.6 TBD Tap Break-in/Hammer Defective 1942	M 3
114.0 OBB Obstruction Brick or Masonry 2028	M 3
118.4 RFJ(S03) Roots Fine Joint 2080	M 1
121.8 SZ(S04) Surface Damage Other 2131	NA
122.3 FM Fracture Multiple 2178	S 4
126.6 SSS Surface Damage Surface Spalling 2250	S 2
126.8 TBD Tap Break-in/Hammer Defective 2274	M 3
126.8 RML Roots Medium Lateral 2296	М 3
130.9 SZ(F04) Surface Damage Other 2343	NA
132.1 FM Fracture Multiple 2380	S 4
133.6 TFC Tap Factory Capped 2405	NA
134.0 SZ(S05) Surface Damage Other 2428	NA
135.5 RFB Roots Fine Barrel 2474	M 2
136.6 JAM Joint Angular Medium 2498	S 3

138.7 B		138.7	FM	Fracture Multiple	2535	S 4
140.4 FM		138.7	В	Broken	2557	S 4
142.7 JAM Joint Angular Medium 2658 \$ 3 142.7 FM Fracture Multiple 2680 \$ 4 142.7 SZ(506) Surface Damage Other 2702 NA 146.0 SZ(506) Surface Damage Other 2734 NA 150.7 SMW Surface Damage Missing Wall 2773 \$ 5 150.7 DAE Deposits Attached Encrustation 2809 M 2 151.8 TFC Tap Factory Capped 2834 NA 157.0 SMW Surface Damage Missing Wall 2879 \$ 5 157.0 MWLS(507) Miscellaneous Water Level Sag 2893 \$ 2 161.0 FM Fracture Multiple 2965 \$ 4 163.0 B Broken 3024 \$ 4 164.5 MWLS(F07) Miscellaneous Water Level Sag 3054 \$ 2 174.5 BSV Broken Soil Visible 3116 \$ 5 174.8 TBD Tap Break-in/Hammer Defective 3138 M 3 <td></td> <td>140.0</td> <td>SZ(F05)</td> <td>Surface Damage Other</td> <td>2584</td> <td>NA</td>		140.0	SZ(F05)	Surface Damage Other	2584	NA
142.7 FM Fracture Multiple 2680 S 4 142.7 SZ(SO6) Surface Damage Other 2702 NA 146.0 SZ(FO6) Surface Damage Other 2734 NA 150.7 SMW Surface Damage Missing Wall 2773 S 5 150.7 DAE Deposits Attached Encrustation 2809 M 2 151.8 TFC Tap Factory Capped 2834 NA 157.0 SMW Surface Damage Missing Wall 2879 S 5 157.0 SMW Surface Damage Missing Wall 2879 S 5 161.0 FM Fracture Multiple 2965 S 4 161.0 FM Fracture Multiple 2965 S 4 163.0 B Broken 3024 S 2 164.5 MWLS(FO7) Miscellaneous Water Level Sag 3054 S 2 174.5 BSV Broken Soil Visible 3116 S 5 174.5 BSV Broken Soil Visible 3116 S 5		140.4	FM	Fracture Multiple	2623	S 4
142.7 SZ(SO6) Surface Damage Other 2702 NA 146.0 SZ(FO6) Surface Damage Other 2734 NA 150.7 SMW Surface Damage Missing Wall 2773 S 5 150.7 DAE Deposits Attached Encrustation 2809 M 2 151.8 TFC Tap Factory Capped 2834 NA 157.0 SMW Surface Damage Missing Wall 2879 S 5 157.0 MWLS(SO7) Miscellaneous Water Level Sag 2893 S 2 161.0 FM Fracture Multiple 2965 S 4 163.0 B Broken 3024 S 4 164.5 MWLS(FO7) Miscellaneous Water Level Sag 3054 S 2 174.5 BSV Broken Soll Visible 3116 S 5 174.8 TBD Tap Break-in/Hammer Defective 3138 M 3 175.3 BSV Broken Soll Visible 3217 M 2 175.3 RFB Roots Fine Barrel 3217 M 2 <td>Ш</td> <td>142.7</td> <td>JAM</td> <td>Joint Angular Medium</td> <td>2658</td> <td>S 3</td>	Ш	142.7	JAM	Joint Angular Medium	2658	S 3
146.0 SZ(FO6) Surface Damage Other 2734 NA 150.7 SMW Surface Damage Missing Wall 2773 S 5 150.7 DAE Deposits Attached Encrustation 2809 M 2 151.8 TFC Tap Factory Capped 2834 NA 157.0 SMW Surface Damage Missing Wall 2879 S 5 157.0 MMUS(SO7) Miscellaneous Water Level Sag 2893 S 2 161.0 FM Fracture Multiple 2965 S 4 163.0 B Broken 3024 S 4 164.5 MWLS(FO7) Miscellaneous Water Level Sag 3054 S 2 174.5 BSV Broken Soil Visible 3116 S 5 174.8 TBD Tap Break-in/Hammer Defective 3138 M 3 175.3 BFB Roots Fine Barrel 3217 M 2 175.8 TBD Tap Break-in/Hammer Defective 3231 M 3 177.5 CM Crack Multiple 3279 S 3 <td>ш</td> <td>142.7</td> <td>FM</td> <td>Fracture Multiple</td> <td>2680</td> <td>S 4</td>	ш	142.7	FM	Fracture Multiple	2680	S 4
150.7 SMW Surface Damage Missing Wall 2773 S.5 150.7 DAE Deposits Attached Encrustation 2809 M.2 151.8 TFC Tap Factory Capped 2834 NA 157.0 SMW Surface Damage Missing Wall 2879 S.5 157.0 MWLS(S07) Miscellaneous Water Level Sag 2893 S.2 161.0 FM Fracture Multiple 2965 S.4 163.0 B Broken 3024 S.4 164.5 MWLS(F07) Miscellaneous Water Level Sag 3054 S.2 174.5 BSV Broken Soil Visible 3116 S.5 174.8 TBD Tap Break-in/Hammer Defective 3138 M.3 175.3 RFB Roots Fine Barrel 3127 M.2 175.3 RFB Roots Fine Barrel 3217 M.2 175.8 TBD Tap Break-in/Hammer Defective 3231 M.3 177.5 CM Crack Multiple 3279 S.3 178.3 SZ Surface Damage Other 3330 NA 179.5 FM Fracture Multiple 3369 S.4 183.5 JAL Joint Angular Large 3466 S.4 187.8 SZ(S08) Surface Damage Other 3517 NA 190.9 TFD Tap Factory Defective 3550 M.3 195.8 B Broken 3604 S.4 197.4 SZ(F08) Surface Damage Other 3666 NA 200.9 TFC Tap Factory Capped 3694 NA 200.9 TFC Tap Factory Capped 3694 NA 201.3 B Broken 3757 S.4 202.4 RFJ(F03) Roots Fine Joint Intruding 3905 M.2 224.0 MWL Miscellaneous Water Level 3966 NA 235.6 B Broken 4097 S.4 244.9 JAM Joint Angular Medium 4174 S.3	Н	142.7	SZ(S06)	Surface Damage Other	2702	NA
150.7 DAE Deposits Attached Encrustation 2809 M 2	ш	146.0	SZ(F06)	Surface Damage Other	2734	NA
151.8 TFC Tap Factory Capped 2834 NA 157.0 SMW Surface Damage Missing Wall 2879 S5 157.0 MWLS(S07) Miscellaneous Water Level Sag 2893 S2 161.0 FM Fracture Multiple 2965 S4 163.0 B Broken 3024 S4 164.5 MWLS(F07) Miscellaneous Water Level Sag 3054 S2 174.5 BSV Broken Soil Visible 3116 S5 174.8 TBD Tap Break-in/Hammer Defective 3138 M 3 175.3 BSV Broken Soil Visible 3196 S5 175.3 RFB Roots Fine Barrel 3217 M 2 175.8 TBD Tap Break-in/Hammer Defective 3231 M 3 177.5 CM Crack Multiple 3279 S3 177.5 CM Crack Multiple 3330 NA 179.5 FM Fracture Multiple 3369 S4 183.5 <td>ш</td> <td>150.7</td> <td>SMW</td> <td>Surface Damage Missing Wall</td> <td>2773</td> <td>S 5</td>	ш	150.7	SMW	Surface Damage Missing Wall	2773	S 5
157.0 SMW Surface Damage Missing Wall 2879 \$ 5 157.0 MWLS(S07) Miscellaneous Water Level Sag 2893 \$ 2 161.0 FM Fracture Multiple 2965 \$ 4 163.0 B Broken 3024 \$ 4 164.5 MWLS(F07) Miscellaneous Water Level Sag 3054 \$ 2 174.5 BSV Broken Soil Visible 3116 \$ 5 174.8 TBD Tap Break-in/Hammer Defective 3138 M 3 175.3 BFB Roots Fine Barrel 3217 M 2 175.8 TBD Tap Break-in/Hammer Defective 3231 M 3 177.5 CM Crack Multiple 3279 \$ 3 178.3 SZ Surface Damage Other 3330 NA 179.5 FM Fracture Multiple 3439 \$ 4 183.5 FM Fracture Multiple 3439 \$ 4 185.5 JAL Joint Angular Large 3466 \$ 4		150.7	DAE	Deposits Attached Encrustation	2809	M 2
157.0 MWLS(SO7) Miscellaneous Water Level Sag 2893 S 2 161.0 FM Fracture Multiple 2965 S 4 163.0 B Broken 3024 S 4 164.5 MWLS(F07) Miscellaneous Water Level Sag 3054 S 2 174.5 BSV Broken Soil Visible 3116 S 5 174.8 TBD Tap Break-in/Hammer Defective 3138 M 3 175.3 BSV Broken Soil Visible 3196 S 5 175.3 RFB Roots Fine Barrel 3217 M 2 175.8 TBD Tap Break-in/Hammer Defective 3231 M 3 177.5 CM Crack Multiple 3279 S 3 178.3 SZ Surface Damage Other 3330 NA 179.5 FM Fracture Multiple 3369 S 4 183.5 FM Fracture Multiple 3436 S 4 187.8 CL Crack Longitudinal 3505 S 2 187.	ш	151.8	TFC	Tap Factory Capped	2834	NA
161.0 FM Fracture Multiple 2965 \$ 4 163.0 B Broken 3024 \$ 4 164.5 MWLS(F07) Miscellaneous Water Level Sag 3054 \$ 2 174.5 BSV Broken Soil Visible 3116 \$ 5 174.8 TBD Tap Break-in/Hammer Defective 3138 M 3 175.3 BSV Broken Soil Visible 3196 \$ 5 175.3 RFB Roots Fine Barrel 3217 M 2 175.8 TBD Tap Break-in/Hammer Defective 3231 M 3 177.5 CM Crack Multiple 3279 \$ 3 178.3 \$Z Surface Damage Other 3330 NA 179.5 FM Fracture Multiple 3369 \$ 4 183.5 FM Fracture Multiple 3439 \$ 4 185.5 JAL Joint Angular Large 3466 \$ 4 187.8 \$Z(S08) Surface Damage Other 3517 NA 190.9 TFD Tap Factory Defective 3550 M 3 195.8		157.0	SMW	Surface Damage Missing Wall	2879	S 5
163.0 B Broken 3024 \$ 4 164.5 MWLS(F07) Miscellaneous Water Level Sag 3054 \$ 2 174.5 BSV Broken Soil Visible 3116 \$ 5 174.8 TBD Tap Break-in/Hammer Defective 3138 M 3 175.3 BSV Broken Soil Visible 3196 \$ 5 175.3 RFB Roots Fine Barrel 3217 M 2 175.8 TBD Tap Break-in/Hammer Defective 3231 M 3 177.5 CM Crack Multiple 3279 \$ 3 178.3 \$Z Surface Damage Other 3330 NA 179.5 FM Fracture Multiple 3369 \$ 4 183.5 FM Fracture Multiple 3439 \$ 4 185.5 JAL Joint Angular Large 3466 \$ 4 187.8 CL Crack Longitudinal 3505 \$ 2 187.8 SZ(SO8) Surface Damage Other 3517 NA 190.9 TFD Tap Factory Defective 3550 M 3 195.8	н	157.0	MWLS(S07)	Miscellaneous Water Level Sag	2893	S 2
164.5 MWLS(F07) Miscellaneous Water Level Sag 3054 \$ 2 174.5 BSV Broken Soil Visible 3116 \$ 5 174.8 TBD Tap Break-in/Hammer Defective 3138 M 3 175.3 BSV Broken Soil Visible 3196 \$ 5 175.3 RFB Roots Fine Barrel 3217 M 2 175.8 TBD Tap Break-in/Hammer Defective 3231 M 3 177.5 CM Crack Multiple 3279 \$ 3 178.3 SZ Surface Damage Other 3330 NA 179.5 FM Fracture Multiple 3369 \$ 4 183.5 FM Fracture Multiple 3439 \$ 4 185.5 JAL Joint Angular Large 3466 \$ 4 187.8 CL Crack Longitudinal 3505 \$ 2 187.8 SZ(508) Surface Damage Other 3517 NA 190.9 TFD Tap Factory Defective 3550 M 3 195.8 B Broken 3604 \$ 4 195.8	ш	161.0	FM	Fracture Multiple	2965	S 4
174.5 BSV Broken Soil Visible 3116 \$ 5 174.8 TBD Tap Break-in/Hammer Defective 3138 M 3 175.3 BSV Broken Soil Visible 3196 \$ 5 175.3 RFB Roots Fine Barrel 3217 M 2 175.8 TBD Tap Break-in/Hammer Defective 3231 M 3 177.5 CM Crack Multiple 3279 \$ 3 178.3 SZ Surface Damage Other 3330 NA 179.5 FM Fracture Multiple 3369 \$ 4 183.5 FM Fracture Multiple 3439 \$ 4 185.5 JAL Joint Angular Large 3466 \$ 4 187.8 CL Crack Longitudinal 3505 \$ 2 187.8 SZ(S08) Surface Damage Other 3517 NA 190.9 TFD Tap Factory Defective 3550 M 3 195.8 B Broken 3604 \$ 4 195.8 B SV Broken Soil Visible 3641 \$ 5 197.4 \$ 2(ш	163.0	В	Broken	3024	S 4
174.8 TBD Tap Break-in/Hammer Defective 3138 M 3 175.3 BSV Broken Soil Visible 3196 S 5 175.3 RFB Roots Fine Barrel 3217 M 2 175.8 TBD Tap Break-in/Hammer Defective 3231 M 3 177.5 CM Crack Multiple 3279 S 3 178.3 SZ Surface Damage Other 3330 NA 179.5 FM Fracture Multiple 3369 S 4 183.5 FM Fracture Multiple 3439 S 4 185.5 JAL Joint Angular Large 3466 S 4 187.8 CL Crack Longitudinal 3505 S 2 187.8 SZ(S08) Surface Damage Other 3517 NA 190.9 TFD Tap Factory Defective 3550 M 3 195.8 B Broken 3604 S 4 195.8 B Broken 3604 S 4 195.8 B Broken 3604 S 4 195.8 B Broken	ш	164.5	MWLS(F07)	Miscellaneous Water Level Sag	3054	S 2
175.3 BSV Broken Soil Visible 3196 \$ 5 175.3 RFB Roots Fine Barrel 3217 M 2 175.8 TBD Tap Break-in/Hammer Defective 3231 M 3 177.5 CM Crack Multiple 3279 \$ 3 178.3 SZ Surface Damage Other 3330 NA 179.5 FM Fracture Multiple 3369 \$ 4 183.5 FM Fracture Multiple 3439 \$ 4 185.5 JAL Joint Angular Large 3466 \$ 4 187.8 CL Crack Longitudinal 3505 \$ 2 187.8 SZ(508) Surface Damage Other 3517 NA 190.9 TFD Tap Factory Defective 3550 M 3 195.8 B Broken 3604 \$ 4 195.8 B Broken Soil Visible 3641 \$ 5 197.4 SZ(F08) Surface Damage Other 3666 NA 200.9 TFC Tap Factory Capped 3694 NA 204.8 FM(S09)	ш	174.5	BSV	Broken Soil Visible	3116	S 5
175.3 RFB Roots Fine Barrel 3217 M 2 175.8 TBD Tap Break-in/Hammer Defective 3231 M 3 177.5 CM Crack Multiple 3279 S 3 178.3 SZ Surface Damage Other 3330 NA 179.5 FM Fracture Multiple 3369 S 4 183.5 FM Fracture Multiple 3439 S 4 185.5 JAL Joint Angular Large 3466 S 4 187.8 CL Crack Longitudinal 3505 S 2 187.8 SZ(508) Surface Damage Other 3517 NA 190.9 TFD Tap Factory Defective 3550 M 3 195.8 B Broken 3604 S 4 195.8 BSV Broken Soil Visible 3641 S 5 197.4 SZ(F08) Surface Damage Other 3666 NA 200.9 TFC Tap Factory Capped 3694 NA 204.3 B Broken 3757 S 4 204.8 FM(S09) Fract	ш	174.8	TBD	Tap Break-in/Hammer Defective	3138	M 3
175.8 TBD Tap Break-in/Hammer Defective 3231 M 3 177.5 CM Crack Multiple 3279 S 3 178.3 SZ Surface Damage Other 3330 NA 179.5 FM Fracture Multiple 3369 S 4 183.5 FM Fracture Multiple 3439 S 4 185.5 JAL Joint Angular Large 3466 S 4 187.8 CL Crack Longitudinal 3505 S 2 187.8 SZ(S08) Surface Damage Other 3517 NA 190.9 TFD Tap Factory Defective 3550 M 3 195.8 B Broken 3604 S 4 195.8 BSV Broken Soil Visible 3641 S 5 197.4 SZ(F08) Surface Damage Other 3666 NA 200.9 TFC Tap Factory Capped 3694 NA 204.3 B Broken 3757 S 4 204.8 FM(S09)	ш	175.3	BSV	Broken Soil Visible	3196	S 5
177.5 CM Crack Multiple 3279 \$3 178.3 SZ Surface Damage Other 3330 NA 179.5 FM Fracture Multiple 3369 \$4 183.5 FM Fracture Multiple 3439 \$4 185.5 JAL Joint Angular Large 3466 \$4 187.8 CL Crack Longitudinal 3505 \$2 187.8 SZ(508) Surface Damage Other 3517 NA 190.9 TFD Tap Factory Defective 3550 M 3 195.8 B Broken 3604 \$4 195.8 BSV Broken Soil Visible 3641 \$5 197.4 SZ(F08) Surface Damage Other 3666 NA 200.9 TFC Tap Factory Capped 3694 NA 204.3 B Broken 3757 \$4 204.3 B Broken 3757 \$4 204.8 FM(509) Fracture Multiple 3772 \$4 215.9 RFJ(F03) Roots Fine Joint 384		175.3	RFB	Roots Fine Barrel	3217	M 2
178.3 SZ Surface Damage Other 3330 NA 179.5 FM Fracture Multiple 3369 S 4 183.5 FM Fracture Multiple 3439 S 4 185.5 JAL Joint Angular Large 3466 S 4 187.8 CL Crack Longitudinal 3505 S 2 187.8 SZ(S08) Surface Damage Other 3517 NA 190.9 TFD Tap Factory Defective 3550 M 3 195.8 B Broken 3604 S 4 195.8 BSV Broken Soil Visible 3641 S 5 197.4 SZ(F08) Surface Damage Other 3666 NA 200.9 TFC Tap Factory Capped 3694 NA 200.9 TFC Tap Factory Capped 3694 NA 204.3 B Broken 3757 S 4 204.8 FM(S09) Fracture Multiple 3772 S 4 215.9 RFJ(F03) Roots Fine Joint 3844 M 1 217.6 SSS Surface D	ш	175.8	TBD	Tap Break-in/Hammer Defective	3231	M 3
179.5 FM Fracture Multiple 3369 \$ 4 183.5 FM Fracture Multiple 3439 \$ 4 185.5 JAL Joint Angular Large 3466 \$ 4 187.8 CL Crack Longitudinal 3505 \$ 2 187.8 SZ(S08) Surface Damage Other 3517 NA 190.9 TFD Tap Factory Defective 3550 M 3 195.8 B Broken 3604 \$ 4 195.8 BSV Broken Soil Visible 3641 \$ 5 197.4 \$ Z(F08) Surface Damage Other 3666 NA 200.9 TFC Tap Factory Capped 3694 NA 204.3 B Broken 3757 \$ 4 204.8 FM(S09) Fracture Multiple 3772 \$ 4 215.9 RFJ(F03) Roots Fine Joint 3844 M 1 217.6 SSS Surface Damage Surface Spalling 3888 \$ 2 217.7 TBI	ш	177.5	CM	Crack Multiple	3279	S 3
183.5 FM Fracture Multiple 3439 \$ 4 185.5 JAL Joint Angular Large 3466 \$ 4 187.8 CL Crack Longitudinal 3505 \$ 2 187.8 \$Z(\$08) Surface Damage Other 3517 NA 190.9 TFD Tap Factory Defective 3550 M 3 195.8 B Broken 3604 \$ 4 195.8 BSV Broken Soil Visible 3641 \$ 5 197.4 \$Z(\$F08) Surface Damage Other 3666 NA 200.9 TFC Tap Factory Capped 3694 NA 204.3 B Broken 3757 \$ 4 204.8 FM(\$09) Fracture Multiple 3772 \$ 4 215.9 RFJ(F03) Roots Fine Joint 3844 M 1 217.6 SSS Surface Damage Surface Spalling 3888 \$ 2 217.7 TBI Tap Break-in Intruding 3905 M 2 224.0 MWL Miscellaneous Water Level 3966 NA 235.6 B	ш	178.3	SZ	Surface Damage Other	3330	NA
185.5 JAL Joint Angular Large 3466 \$ 4 187.8 CL Crack Longitudinal 3505 \$ 2 187.8 \$ 5Z(\$08) Surface Damage Other 3517 NA 190.9 TFD Tap Factory Defective 3550 M 3 195.8 B Broken 3604 \$ 4 195.8 BSV Broken 3641 \$ 5 197.4 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		179.5	FM	Fracture Multiple	3369	S 4
187.8 CL Crack Longitudinal 3505 S 2 187.8 SZ(SO8) Surface Damage Other 3517 NA 190.9 TFD Tap Factory Defective 3550 M 3 195.8 B Broken 3604 S 4 195.8 BSV Broken Soil Visible 3641 S 5 197.4 SZ(FO8) Surface Damage Other 3666 NA 200.9 TFC Tap Factory Capped 3694 NA 204.3 B Broken 3757 S 4 204.8 FM(SO9) Fracture Multiple 3772 S 4 215.9 RFJ(FO3) Roots Fine Joint 3844 M 1 217.6 SSS Surface Damage Surface Spalling 3888 S 2 217.7 TBI Tap Break-in Intruding 3905 M 2 224.0 MWL Miscellaneous Water Level 3966 NA 235.6 B Broken 4097 S 4 244.9 JAM	ш	183.5	FM	Fracture Multiple	3439	S 4
187.8 SZ(SO8) Surface Damage Other 3517 NA 190.9 TFD Tap Factory Defective 3550 M 3 195.8 B Broken 3604 S 4 195.8 BSV Broken Soil Visible 3641 S 5 197.4 SZ(FO8) Surface Damage Other 3666 NA 200.9 TFC Tap Factory Capped 3694 NA 204.3 B Broken 3757 S 4 204.8 FM(SO9) Fracture Multiple 3772 S 4 215.9 RFJ(FO3) Roots Fine Joint 3844 M 1 217.6 SSS Surface Damage Surface Spalling 3888 S 2 217.7 TBI Tap Break-in Intruding 3905 M 2 224.0 MWL Miscellaneous Water Level 3966 NA 235.6 B Broken 4097 S 4 244.9 JAM Joint Angular Medium 4174 S 3	ш	185.5	JAL	Joint Angular Large	3466	S 4
190.9 TFD Tap Factory Defective 3550 M 3 195.8 B Broken 3604 S 4 195.8 BSV Broken Soil Visible 3641 S 5 197.4 SZ(F08) Surface Damage Other 3666 NA 200.9 TFC Tap Factory Capped 3694 NA 204.3 B Broken 3757 S 4 204.8 FM(S09) Fracture Multiple 3772 S 4 215.9 RFJ(F03) Roots Fine Joint 3844 M 1 217.6 SSS Surface Damage Surface Spalling 3888 S 2 217.7 TBI Tap Break-in Intruding 3905 M 2 224.0 MWL Miscellaneous Water Level 3966 NA 235.6 B Broken 4097 S 4 244.9 JAM Joint Angular Medium 4174 S 3		187.8	CL	Crack Longitudinal	3505	S 2
195.8 B Broken 3604 \$ 4 195.8 BSV Broken Soil Visible 3641 \$ 5 197.4 \$Z(F08) Surface Damage Other 3666 \$ NA 200.9 TFC Tap Factory Capped 3694 \$ NA 204.3 B Broken 3757 \$ 4 204.8 FM(\$09) Fracture Multiple 3772 \$ 4 215.9 RFJ(F03) Roots Fine Joint 3844 \$ M 1 217.6 SSS Surface Damage Surface Spalling 3888 \$ 2 217.7 TBI Tap Break-in Intruding 3905 \$ M 2 224.0 MWL Miscellaneous Water Level 3966 \$ NA 235.6 B Broken 4097 \$ 4 244.9 JAM Joint Angular Medium 4174 \$ 3		187.8	SZ(S08)	Surface Damage Other	3517	NA
195.8 BSV Broken Soil Visible 3641 \$ 5 197.4 \$Z(F08) Surface Damage Other 3666 NA 200.9 TFC Tap Factory Capped 3694 NA 204.3 B Broken 3757 \$ 4 204.8 FM(\$09) Fracture Multiple 3772 \$ 4 215.9 RFJ(F03) Roots Fine Joint 3844 M 1 217.6 SSS Surface Damage Surface Spalling 3888 \$ 2 217.7 TBI Tap Break-in Intruding 3905 M 2 224.0 MWL Miscellaneous Water Level 3966 NA 235.6 B Broken 4097 \$ 4 244.9 JAM Joint Angular Medium 4174 \$ 3		190.9	TFD	Tap Factory Defective	3550	M 3
197.4 SZ(F08) Surface Damage Other 3666 NA 200.9 TFC Tap Factory Capped 3694 NA 204.3 B Broken 3757 S 4 204.8 FM(S09) Fracture Multiple 3772 S 4 215.9 RFJ(F03) Roots Fine Joint 3844 M 1 217.6 SSS Surface Damage Surface Spalling 3888 S 2 217.7 TBI Tap Break-in Intruding 3905 M 2 224.0 MWL Miscellaneous Water Level 3966 NA 235.6 B Broken 4097 S 4 244.9 JAM Joint Angular Medium 4174 S 3	Ш	195.8	В	Broken	3604	S 4
200.9 TFC Tap Factory Capped 3694 NA	ш	195.8	BSV	Broken Soil Visible	3641	S 5
204.3 B Broken 3757 \$ 4 204.8 FM(S09) Fracture Multiple 3772 \$ 4 215.9 RFJ(F03) Roots Fine Joint 3844 M 1 217.6 SSS Surface Damage Surface Spalling 3888 \$ 2 217.7 TBI Tap Break-in Intruding 3905 M 2 224.0 MWL Miscellaneous Water Level 3966 NA 235.6 B Broken 4097 \$ 4 244.9 JAM Joint Angular Medium 4174 \$ 3	ш	197.4	SZ(F08)	Surface Damage Other	3666	NA
204.8 FM(S09) Fracture Multiple 3772 S 4 215.9 RFJ(F03) Roots Fine Joint 3844 M 1 217.6 SSS Surface Damage Surface Spalling 3888 S 2 217.7 TBI Tap Break-in Intruding 3905 M 2 224.0 MWL Miscellaneous Water Level 3966 NA 235.6 B Broken 4097 S 4 244.9 JAM Joint Angular Medium 4174 S 3	+	200.9	TFC	Tap Factory Capped	3694	NA
215.9 RFJ(F03) Roots Fine Joint 3844 M 1 217.6 SSS Surface Damage Surface Spalling 3888 S 2 217.7 TBI Tap Break-in Intruding 3905 M 2 224.0 MWL Miscellaneous Water Level 3966 NA 235.6 B Broken 4097 S 4 244.9 JAM Joint Angular Medium 4174 S 3		204.3	В	Broken	3757	S 4
217.6 SSS Surface Damage Surface Spalling 3888 S 2 217.7 TBI Tap Break-in Intruding 3905 M 2 224.0 MWL Miscellaneous Water Level 3966 NA 235.6 B Broken 4097 S 4 244.9 JAM Joint Angular Medium 4174 S 3	ш	204.8	FM(S09)	Fracture Multiple	3772	S 4
217.7 TBI	ш	215.9	RFJ(F03)	Roots Fine Joint	3844	M 1
224.0 MWL Miscellaneous Water Level 3966 NA 235.6 B Broken 4097 S 4 244.9 JAM Joint Angular Medium 4174 S 3		217.6	SSS	Surface Damage Surface Spalling	3888	S 2
235.6 B Broken 4097 S 4 244.9 JAM Joint Angular Medium 4174 S 3		217.7	TBI	Tap Break-in Intruding	3905	M 2
244.9 JAM Joint Angular Medium 4174 S 3		224.0	MWL	Miscellaneous Water Level	3966	NA
		235.6	В	Broken	4097	S 4
245.7 TFD Tap Factory Defective 4210 M 3		244.9	JAM	Joint Angular Medium	4174	S 3
		245.7	TFD	Tap Factory Defective	4210	M 3

W	247.9	TFC	Tap Factory Capped	4264	NA
	253.0	JAM	Joint Angular Medium	4302	S 3
N	260.0	В	Broken	4344	S 4
	260.7	SZ	Surface Damage Other	4362	NA
M	264.0	MWLS(S10)	Miscellaneous Water Level Sag	4405	S 3
W	266.4	SSS	Surface Damage Surface Spalling	4442	S 2
N	272.1	В	Broken	4485	S 4
W	274.9	MWLS(F10)	Miscellaneous Water Level Sag	4504	S 3
W	275.6	В	Broken	4513	S 4
W	286.0	JAL	Joint Angular Large	4585	S 4
$\ $	292.9	TF	Tap Factory	4660	NA
1	292.9	В	Broken	4671	S 4
	299.3	TFC	Tap Factory Capped	4717	NA
	307.8	SZ	Surface Damage Other	4782	NA
	330.1	FM(F09)	Fracture Multiple	4916	S 4
_	331.2	АМН	Manhole	5009	NA

M 704 014



Code: AMH
Description: Manhole

Distance (ft): .0
Structural Grade: 0
O&M Grade: 0
Clock Start/From:
Clock To:
1st Value:
2nd Value:

Continuous Index:
Within 8" of Joint:
NO

Value Percent:

Remarks: M-704-016



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:

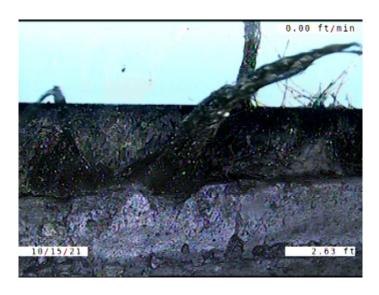
Value Percent: 10.000

Continuous Index:

Within 8" of Joint:

Remarks:

NO



Code: RFJ

Description: Roots Fine Joint

Distance (ft):

Structural Grade:

O&M Grade:

Clock Start/From:

Clock To:

1st Value:

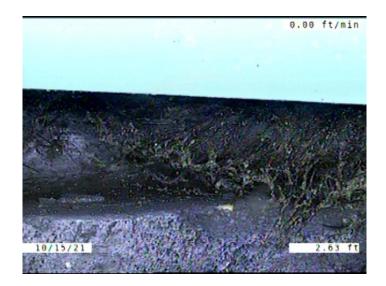
2nd Value:

Value Percent:

Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: MMC

Description: Miscellaneous Material Change

Distance (ft): 2.6
Structural Grade: 0

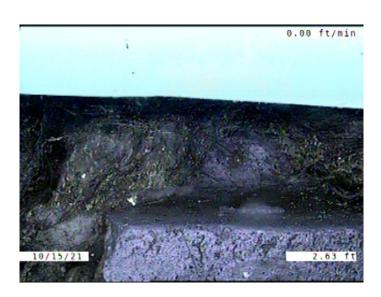
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: NO

Remarks: PVC TO VCP



Code: JAM

Description: Joint Angular Medium

Distance (ft): 2.6
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:



HVV Code:

Description: **Hole Void Visible**

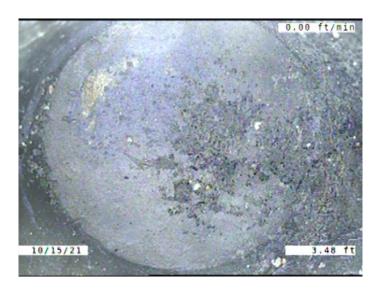
Distance (ft): 2.6 Structural Grade: 5 O&M Grade: 0 Clock Start/From: 8 Clock To: 10

1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



TFC Code:

Description: **Tap Factory Capped**

Distance (ft): 3.5 Structural Grade: 0 O&M Grade: 0 Clock Start/From: 10

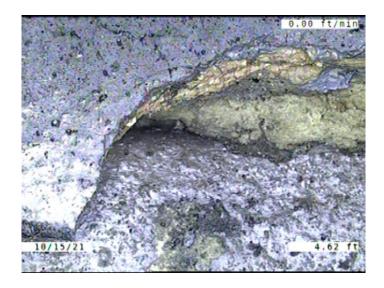
Clock To:

1st Value: 4.000

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: SMW

Description: Surface Damage Missing Wall

Distance (ft): 4.6
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: YES

Remarks: INSIDE OF THE JOINT



Code: HSV

Description: Hole Soil Visible

Distance (ft): 5.7
Structural Grade: 5

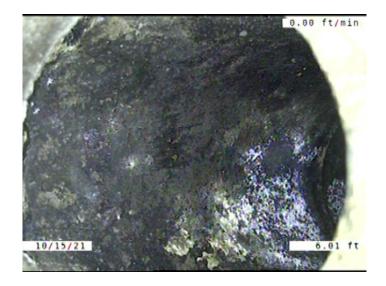
O&M Grade: 0

Clock Start/From: 11

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): 6.0
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 1

Clock To:

 1st Value:
 4.000

 2nd Value:
 1.000

Value Percent:

Continuous Index:

Within 8" of Joint:

Remarks:

Code: SZ

Description: Surface Damage Other

YES

Distance (ft): 15.0
Structural Grade: 0
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: GROOVE IN THE PIPE WALL





Code: JAL

Description: **Joint Angular Large**

Distance (ft): 15.1 Structural Grade: 0 O&M Grade:

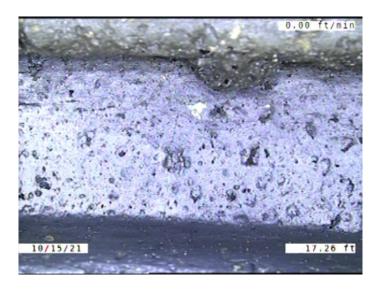
Clock Start/From:

Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

NO



JSL Code:

Description: **Joint Separated Large**

17.3 Distance (ft): Structural Grade: 4 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: NO

Remarks:



Code: MWLS

Description: Miscellaneous Water Level Sag

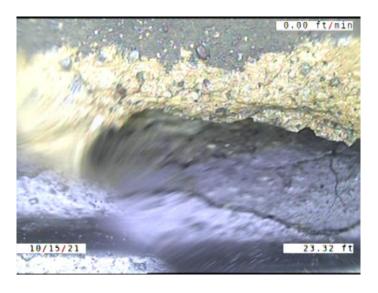
Distance (ft): 17.3
Structural Grade: 2
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 30.000
Continuous Index: S01
Within 8" of Joint: NO

Remarks:



Code: MCU

Description: Miscellaneous Camera Underwater

Distance (ft): 23.3
Structural Grade: 0
O&M Grade: 4

Clock Start/From:

Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: NO

Remarks: Out at 23.4



Code: FΜ

Description: **Fracture Multiple**

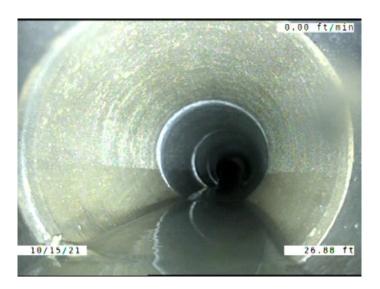
Distance (ft): 23.3 Structural Grade: 4 0 O&M Grade: Clock Start/From: 12 Clock To: 1

1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

26.9 Distance (ft): Structural Grade: 2 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 30.000 Continuous Index: F01 Within 8" of Joint: NO

Remarks:



Code: DAE

Description: **Deposits Attached Encrustation**

Distance (ft): 28.5 Structural Grade: 0 2 O&M Grade: Clock Start/From: 6 Clock To: 8

1st Value: 2nd Value:

5.000 Value Percent:

Continuous Index:

Within 8" of Joint:

YES

Remarks:



Code: DAE

Description: **Deposits Attached Encrustation**

Distance (ft): 41.2 Structural Grade: 0 O&M Grade: 2 Clock Start/From: 3 6 Clock To: 1st Value:

Value Percent: 5.000

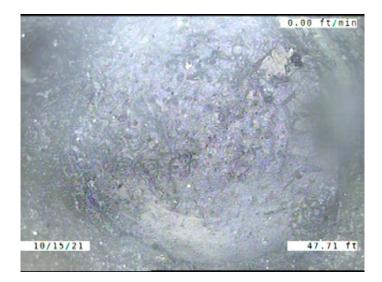
Continuous Index:

Within 8" of Joint:

Remarks:

2nd Value:

YES



Code: TFC

Description: Tap Factory Capped

Distance (ft): 47.7
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 2

Clock To:

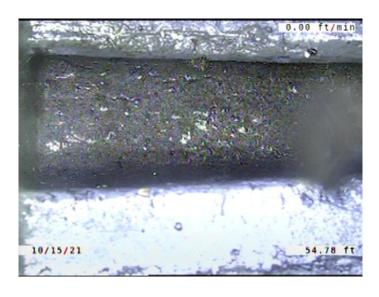
1st Value: **6.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: JAM

Description: Joint Angular Medium

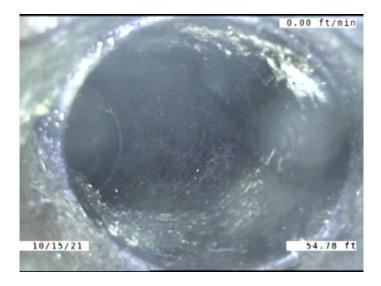
Distance (ft): 54.8
Structural Grade: 3
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: NO

Remarks:



Code: **TF**

Description: Tap Factory

Distance (ft): 54.8
Structural Grade: 0

O&M Grade: 0

Clock Start/From: 11

Clock To:

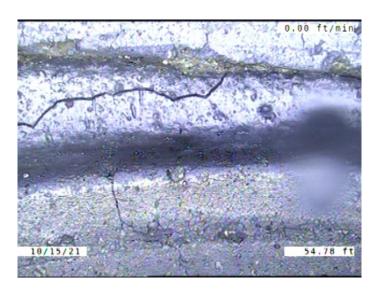
1st Value: **4.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: **FM**

Description: Fracture Multiple

Distance (ft): 54.8
Structural Grade: 4

O&M Grade: 0

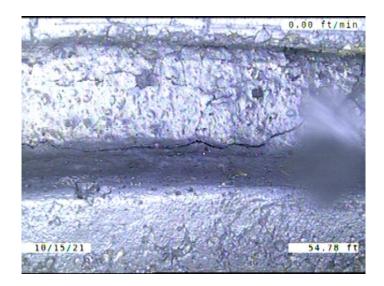
Clock Start/From: 8

Clock To: 4

1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: JAM

Description: Joint Angular Medium

54.8 Distance (ft): Structural Grade: 3 0 O&M Grade:

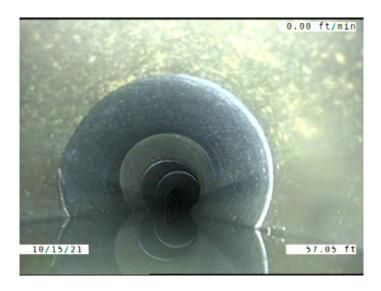
Clock Start/From:

Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

NO



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

57.1 Distance (ft): Structural Grade: 2 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 10.000

Continuous Index:

Within 8" of Joint:

Remarks:

NO



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 66.3
Structural Grade: 0

O&M Grade: 2

Clock Start/From: 3

Clock To: 6

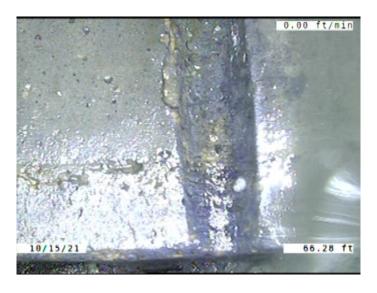
1st Value: 2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: SZ

Description: Surface Damage Other

Distance (ft): 66.3
Structural Grade: 0

O&M Grade: 0

Clock Start/From: 8

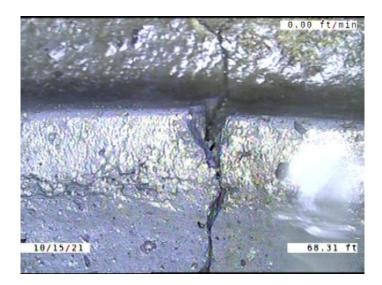
Clock To: 9

1st Value:

2nd Value: Value Percent:

Continuous Index: S02
Within 8" of Joint: YES

Remarks: GROOVE IN THE PIPE WALL



Code: **FM**

Description: Fracture Multiple

Distance (ft): 68.3
Structural Grade: 4

O&M Grade: 0

Clock Start/From: 10

Clock To: 4

1st Value:

1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: **TF**

Description: Tap Factory

Distance (ft): 73.2
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 1

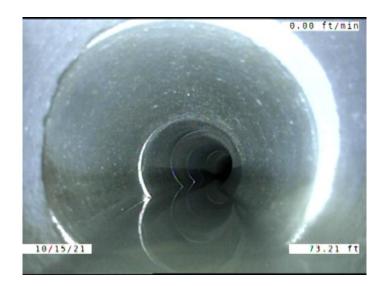
Clock To:

1st Value: **4.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: SZ

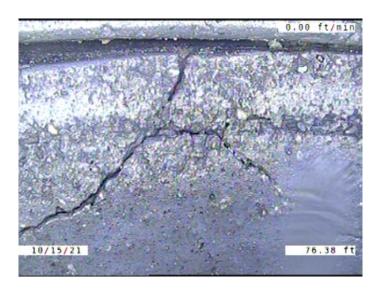
Description: Surface Damage Other

Distance (ft): 73.2
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 8
Clock To: 9

1st Value: 2nd Value: Value Percent:

Continuous Index: F02
Within 8" of Joint: YES

Remarks: GROOVE IN THE PIPE WALL



Code: FM

Description: Fracture Multiple

Distance (ft): 76.4
Structural Grade: 4

O&M Grade: 0

Clock Start/From: 10

Clock To: 1

1st Value:
2nd Value:

Value Percent: Continuous Index:

Within 8" of Joint: YES

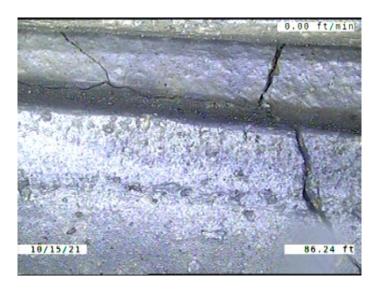
Remarks:



Code: B
Description: Broken

Distance (ft): 79.9 Structural Grade: 4 O&M Grade: 0 Clock Start/From: 9 Clock To: 4 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: YES



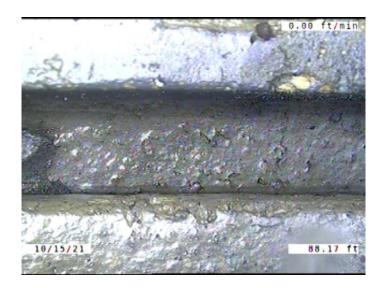


Code: **FM**

Description: Fracture Multiple

Distance (ft): 86.2 Structural Grade: 4 O&M Grade: 0 Clock Start/From: 10 3 Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: YES

Remarks:



Code: JAM

Description: Joint Angular Medium

Distance (ft): 88.1
Structural Grade: 3
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

NO



Code: FM

Description: Fracture Multiple

Distance (ft): 90.1
Structural Grade: 4

O&M Grade: 0

Clock Start/From: 9

Clock To: 4

1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: BSV

Description: Broken Soil Visible

Distance (ft): 94.1
Structural Grade: 5
O&M Grade: 0
Clock Start/From: 8
Clock To: 4
1st Value:

1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: RFB

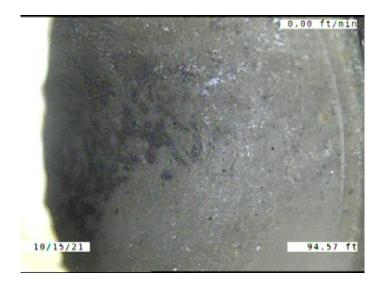
Description: Roots Fine Barrel

Distance (ft): 94.1
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 10
Clock To: 1
1st Value:
2nd Value:
Value Percent:

Within 8" of Joint: NO

Remarks:

Continuous Index:



Code: TBI

Description: Tap Break-in Intruding

Distance (ft): 94.6
Structural Grade: 0

O&M Grade: 2

Clock Start/From: 11

Clock To:

 1st Value:
 4.000

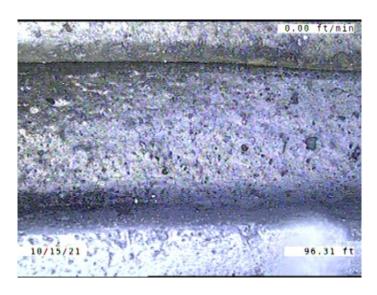
 2nd Value:
 1.000

Value Percent:

Continuous Index:

Within 8" of Joint: YES

Remarks: CONSTANTLY RUNNING WATER



Code: JAL

Description: Joint Angular Large

Distance (ft): 96.3
Structural Grade: 4
O&M Grade: 0

Clock Start/From:

Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint: NO

Remarks:



Code: DAE

Description: Deposits Attached Encrustation

Distance (ft): 96.3
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 7
Clock To: 8

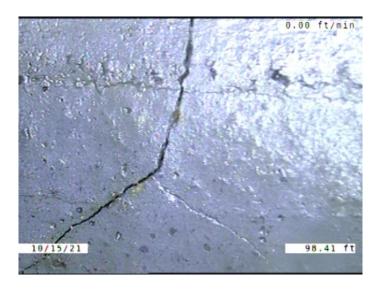
1st Value: 2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: FM

Description: Fracture Multiple

Distance (ft): 98.4
Structural Grade: 4

O&M Grade: 0

Clock Start/From: 11

Clock To: 4

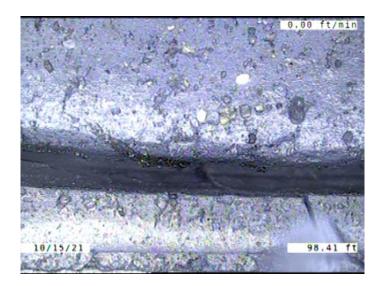
1st Value: 2

2nd Value:

Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: RFJ

Description: **Roots Fine Joint**

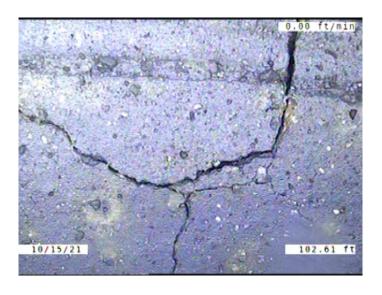
Distance (ft): 98.4 Structural Grade: 0 O&M Grade: 1 Clock Start/From: 11

Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: В

Description: Broken

Distance (ft): 102.6 Structural Grade: 4 O&M Grade: 0 Clock Start/From: 10 12 Clock To: 1st Value:

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: RFJ

Description: **Roots Fine Joint**

102.6 Distance (ft): Structural Grade: 0 O&M Grade: 1 Clock Start/From: 11 Clock To: 2

1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



TFC Code:

Description: **Tap Factory Capped**

Distance (ft): 107.7 Structural Grade: 0 O&M Grade: 0 Clock Start/From: 2

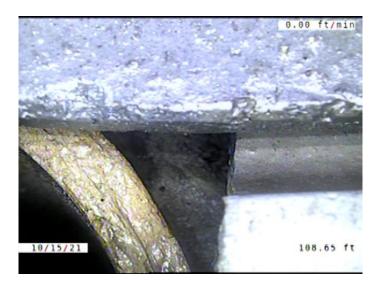
Clock To:

1st Value: 4.000

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: **SMW**

Description: **Surface Damage Missing Wall**

Distance (ft): 108.6 Structural Grade: 5

O&M Grade: 0 Clock Start/From: 12

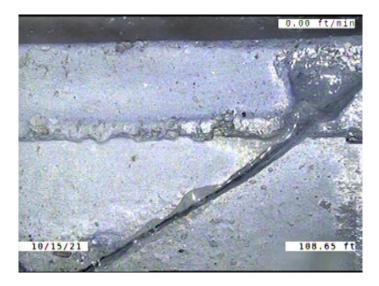
Clock To: 3

1st Value: 2nd Value:

Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:



BSV Code:

Description: **Broken Soil Visible**

Distance (ft): 108.6

Structural Grade: 5 O&M Grade: 0 Clock Start/From: 9

Clock To:

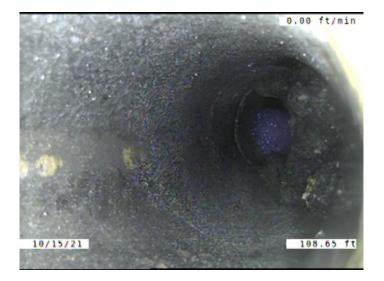
2nd Value: Value Percent:

1st Value:

Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: TBD

Description: Tap Break-in/Hammer Defective

Distance (ft): 108.6
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 2

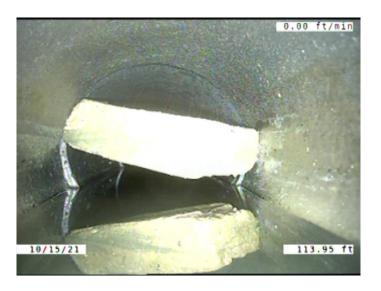
Clock To:

1st Value: **4.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: **Defective**



Code: OBB

Description: Obstruction Brick or Masonry

Distance (ft): 114.0
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 4
Clock To: 10
1st Value:

Value Percent: 20.000

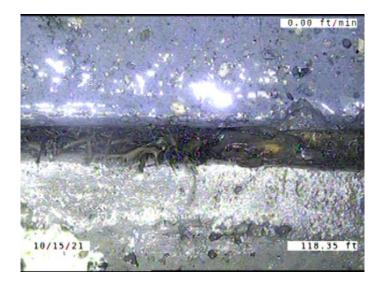
Continuous Index:

Within 8" of Joint: YES

Remarks:

2nd Value:

1 6 OI JOIIIL.



Code: RFJ

Description: Roots Fine Joint

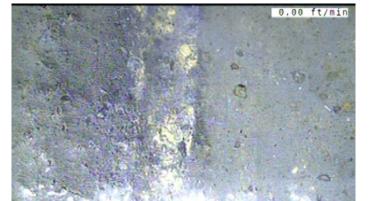
Distance (ft): 118.4
Structural Grade: 0
O&M Grade: 1

Clock Start/From: 8
Clock To: 3

1st Value: 2nd Value: Value Percent:

Continuous Index: S03
Within 8" of Joint: YES

Remarks:



10/15/21

Code: SZ

Description: Surface Damage Other

Distance (ft): 121.8
Structural Grade: 0

O&M Grade: 0

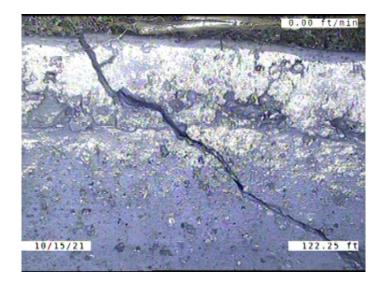
Clock Start/From: 4

Clock To: 1st Value: 2nd Value: Value Percent:

121.78 ft

Continuous Index: S04
Within 8" of Joint: YES

Remarks: GROOVE IN THE PIPE WALL



Code: **FM**

Description: Fracture Multiple

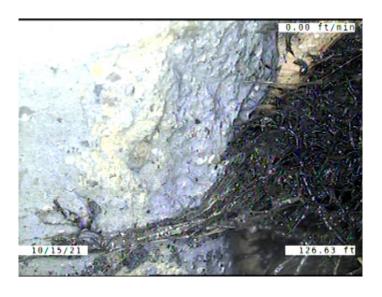
Distance (ft): 122.3
Structural Grade: 4
O&M Grade: 0
Clock Start/From: 9
Clock To: 2

Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: SSS

Description: Surface Damage Surface Spalling

Distance (ft): 126.6
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 9
Clock To: 1
1st Value:
2nd Value:

Continuous Index:

Value Percent:

Within 8" of Joint: YES

Remarks:



Code: TBD

Description: Tap Break-in/Hammer Defective

Distance (ft): 126.8
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 10

Clock To:

1st Value: **4.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: CONSTANTLY RUNNING WATER. 95%

PLUGGED WITH ROOTS



Code: RML

Description: Roots Medium Lateral

Distance (ft): 126.8
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 9
Clock To: 4
1st Value:

2nd Value:

Value Percent: 45.000

Continuous Index:

Within 8" of Joint: NO

Remarks:

Code: SZ

Description: Surface Damage Other

Distance (ft): 130.9
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 4

Clock To: 1st Value: 2nd Value: Value Percent:

Continuous Index: F04
Within 8" of Joint: YES

Remarks: GROOVE IN THE PIPE WALL



Code: FM

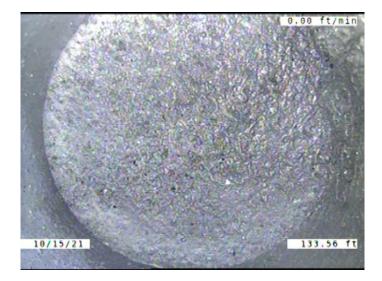
Description: Fracture Multiple

Distance (ft): 132.1
Structural Grade: 4

O&M Grade: 0
Clock Start/From: 9
Clock To: 3
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: **TFC**

Description: Tap Factory Capped

Distance (ft): 133.6
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:

YES



Code: SZ

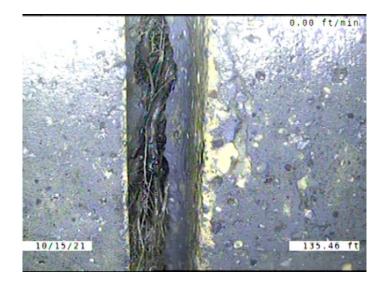
Description: Surface Damage Other

Distance (ft): 134.0
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 9

Clock To: 1st Value: 2nd Value: Value Percent:

Continuous Index: **S05**Within 8" of Joint: **YES**

Remarks: GROOVE IN THE PIPE WALL



Code: RFB

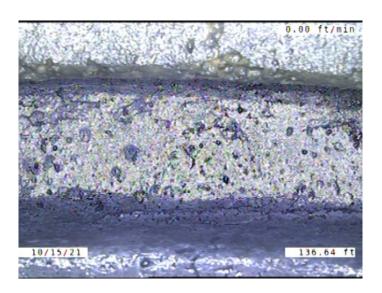
Description: Roots Fine Barrel

Distance (ft): 135.5
Structural Grade: 0
O&M Grade: 2
Clock Start/From: 9

Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint: NO

Remarks: **GROWING THROUGH THE GROOVE**



Code: JAM

Description: Joint Angular Medium

Distance (ft): 136.6
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:

.

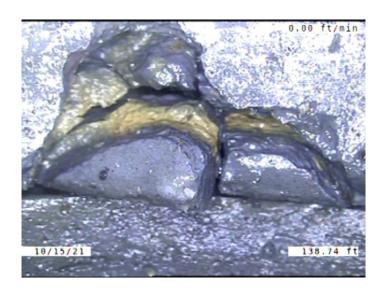


Code: FM
Description: Fracture Multiple

Distance (ft): 138.7 Structural Grade: 4 O&M Grade: 0 Clock Start/From: 1 Clock To: 5 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: YES

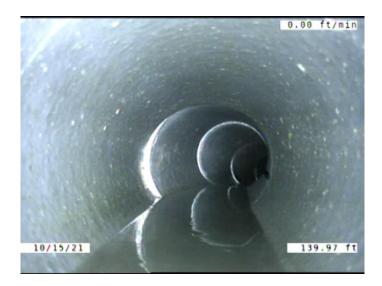
Remarks:

Remarks:



Code: B
Description: Broken

Distance (ft): 138.7 Structural Grade: 4 O&M Grade: 0 Clock Start/From: 11 Clock To: 1 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: YES



Code: SZ

Description: Surface Damage Other

Distance (ft): 140.0
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 9

Clock To: 1st Value: 2nd Value: Value Percent:

Continuous Index: F05
Within 8" of Joint: YES

Remarks: GROOVE IN THE PIPE WALL



Code: FM

Description: Fracture Multiple

Distance (ft): 140.4
Structural Grade: 4

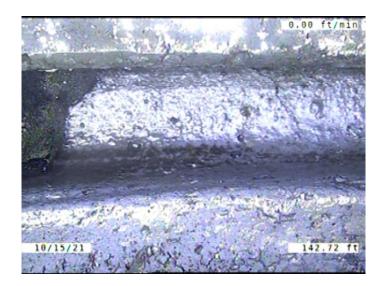
O&M Grade: 0
Clock Start/From: 8

Clock To: 3

1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: JAM

Description: Joint Angular Medium

Distance (ft): 142.7
Structural Grade: 3
O&M Grade: 0

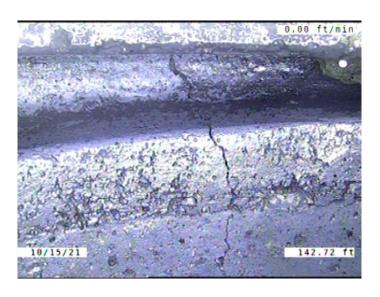
Clock Start/From:

Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

NO



Code: **FM**

Description: Fracture Multiple

Distance (ft): 142.7
Structural Grade: 4

O&M Grade: 0

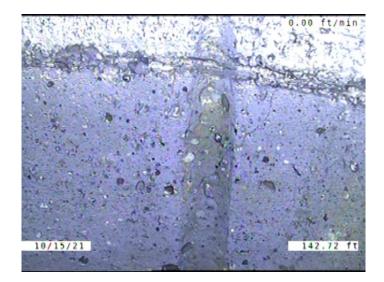
Clock Start/From: 9

Clock To: 11

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: SZ

Description: Surface Damage Other

Distance (ft): 142.7
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 3

Clock To: 1st Value: 2nd Value: Value Percent:

Continuous Index: S06
Within 8" of Joint: YES

Remarks: GROOVE IN THE PIPE WALL



Code: SZ

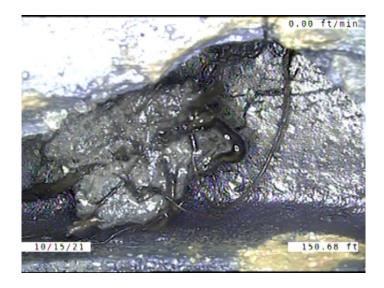
Description: Surface Damage Other

Distance (ft): 146.0
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 3

Clock To: 1st Value: 2nd Value: Value Percent:

Continuous Index: F06
Within 8" of Joint: YES

Remarks: GROOVE IN THE PIPE WALL



Code: **SMW**

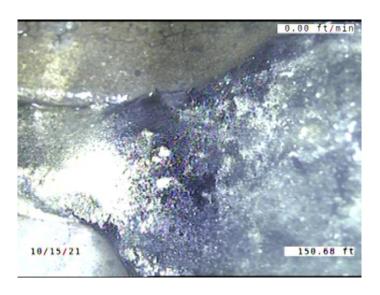
Description: **Surface Damage Missing Wall**

Distance (ft): 150.7 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: YES

Remarks: **INSIDE OF THE JOINT**



Code: DAE

Description: **Deposits Attached Encrustation**

Distance (ft): 150.7 Structural Grade: 0 O&M Grade: 2 Clock Start/From: 4 Clock To: 9 1st Value:

2nd Value:

Value Percent: 5.000

Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: TFC

Description: Tap Factory Capped

Distance (ft): 151.8
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 11

Clock To:

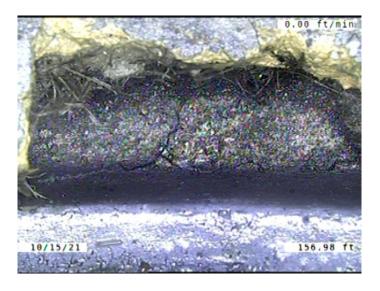
1st Value: **4.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: SMW

Description: Surface Damage Missing Wall

Distance (ft): 157.0
Structural Grade: 5
O&M Grade: 0
Clock Start/From: 12
Clock To: 1
1st Value: 2nd Value:

Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: INSIDE OF THE JOINT



Code: MWLS

Description: Miscellaneous Water Level Sag

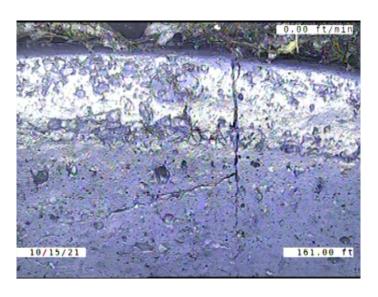
Distance (ft): 157.0
Structural Grade: 2
O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 20.000
Continuous Index: S07
Within 8" of Joint: NO

Remarks:



Code: FM

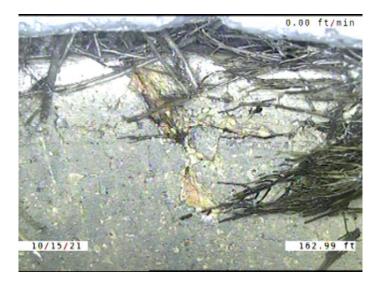
Description: Fracture Multiple

Distance (ft): 161.0
Structural Grade: 4
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: Description: Broken

Distance (ft): 163.0 Structural Grade: 4 O&M Grade: 0 Clock Start/From: 12 Clock To: 3 1st Value: 2nd Value: Value Percent:

Continuous Index:

Within 8" of Joint:

Remarks:



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

YES

Distance (ft): 164.5 Structural Grade: 2 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 20.000 Continuous Index: F07 Within 8" of Joint: NO

Remarks:



Code: BSV

Description: Broken Soil Visible

Distance (ft): 174.5
Structural Grade: 5
O&M Grade: 0
Clock Start/From: 9

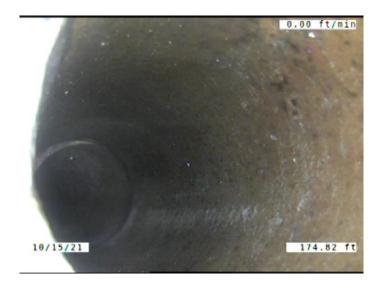
Clock To: 1st Value: 2nd Value: Value Percent:

Continuous Index: Within 8" of Joint:

Remarks:

YES

12



Code: TBD

Description: Tap Break-in/Hammer Defective

Distance (ft): 174.8
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 11

Clock To:

1st Value: **4.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: **Defective**



Code: BSV

Description: Broken Soil Visible

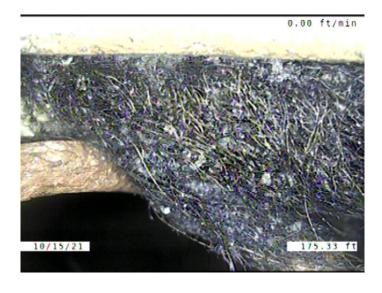
Distance (ft): 175.3
Structural Grade: 5
O&M Grade: 0
Clock Start/From: 11
Clock To: 4

1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: RFB

Description: Roots Fine Barrel

Distance (ft): 175.3

Structural Grade: 0

O&M Grade: 2

Clock Start/From: 1

Clock To: 4

1st Value: 2

2nd Value:

Value Percent: Continuous Index:

Within 8" of Joint: NO

Remarks:



Code: TBD

Description: Tap Break-in/Hammer Defective

Distance (ft): 175.8
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 2

Clock To:

1st Value: **4.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: **Defective**



Code: CM

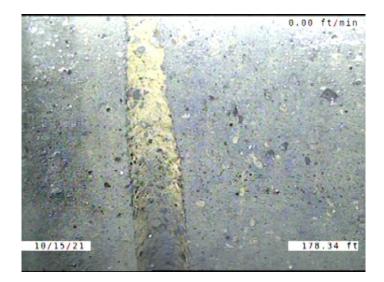
Description: Crack Multiple

Distance (ft): 177.5
Structural Grade: 3
O&M Grade: 0
Clock Start/From: 8
Clock To: 11
1st Value:
2nd Value:
Value Percent:

Within 8" of Joint: YES

Remarks:

Continuous Index:



Code: SZ

Description: Surface Damage Other

Distance (ft): 178.3
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 8

Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: GROOVE IN THE PIPE WALL



Code: FM

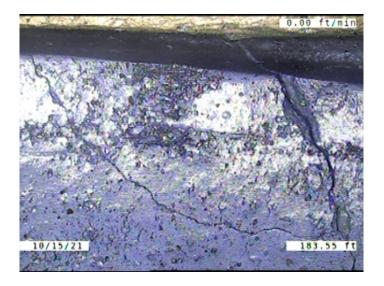
Description: Fracture Multiple

Distance (ft): 179.5
Structural Grade: 4
O&M Grade: 0
Clock Start/From: 12
Clock To: 3
1st Value:
2nd Value:
Value Percent:

Within 8" of Joint: YES

Remarks:

Continuous Index:



Code: FΜ

Description: **Fracture Multiple**

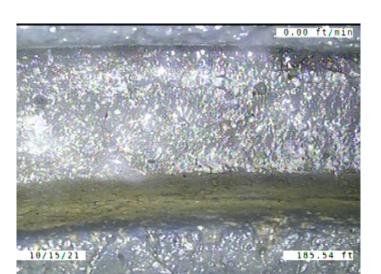
Distance (ft): 183.5 Structural Grade: 4 O&M Grade: 0 Clock Start/From: 10 Clock To: 3

1st Value: 2nd Value: Value Percent:

Continuous Index: Within 8" of Joint:

Remarks:

YES



Code: JAL

Description: Joint Angular Large

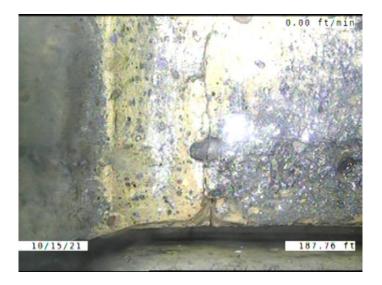
Distance (ft): 185.5 Structural Grade: 4 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: NO

Remarks:



Code: CL

Description: Crack Longitudinal

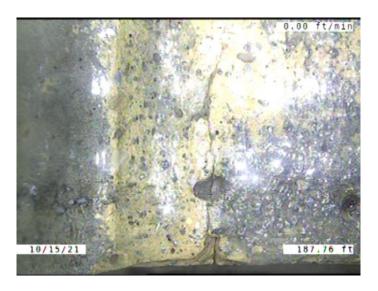
Distance (ft): 187.8
Structural Grade: 2
O&M Grade: 0
Clock Start/From: 4

Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: SZ

Description: Surface Damage Other

Distance (ft): 187.8
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 4

Clock To: 1st Value: 2nd Value: Value Percent:

Continuous Index: **S08** Within 8" of Joint: **YES**

Remarks: GROOVE IN THE PIPE WALL



Code: **TFD**

Description: Tap Factory Defective

Distance (ft): 190.9
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 2

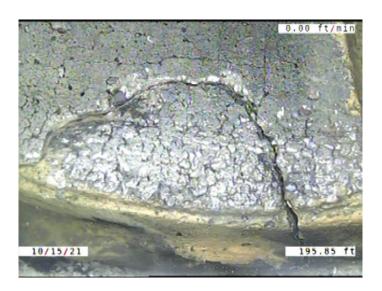
Clock To:

1st Value: **4.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: LOOKS TO BE 95% PLUGGED



Code: B

Description: Broken

Distance (ft): 195.8

Structural Grade: 4

O&M Grade: 0

Clock Start/From: 4

Clock To: 5

1st Value:

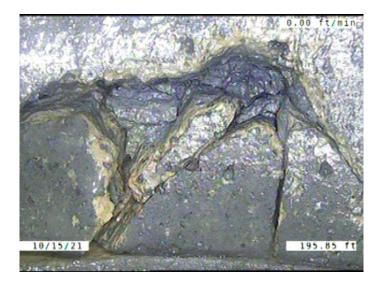
2nd Value:

Value Percent:

Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: BSV

Description: Broken Soil Visible

Distance (ft): 195.8
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:

Remarks:

YES



Code: SZ

Description: Surface Damage Other

Distance (ft): 197.4
Structural Grade: 0

O&M Grade: 0

Clock Start/From: 4

Clock To:
1st Value:

2nd Value: Value Percent:

Continuous Index: F08
Within 8" of Joint: YES

Remarks: GROOVE IN THE PIPE WALL



Code: **TFC**

Description: Tap Factory Capped

Distance (ft): 200.9
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 11

Clock To:

1st Value: **4.000**

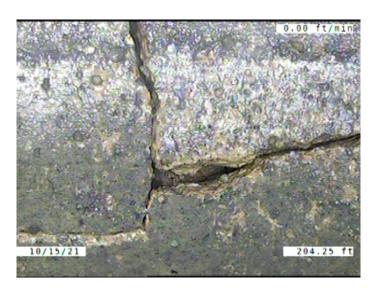
2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

Remarks:

YES



Code: B
Description: Broken

Distance (ft): 204.3
Structural Grade: 4

O&M Grade: 0

Clock Start/From: 8

Clock To: 4

1st Value: 2

2nd Value: Value Percent: Continuous Index: YES



Code: FM
Description: Fracture Multiple

Distance (ft): 204.8
Structural Grade: 4

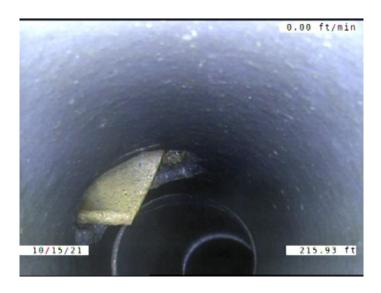
O&M Grade: 0
Clock Start/From: 8

Clock To: 4

1st Value:
2nd Value:
Value Percent:
Continuous Index: \$09

Continuous Index: **S09**Within 8" of Joint: **YES**

Remarks:



Code: RFJ

Description: Roots Fine Joint

Distance (ft):

Structural Grade:

O&M Grade:

Clock Start/From:

Clock To:

1st Value:

2nd Value:

Value Percent:

Continuous Index:

F03

Remarks:

Within 8" of Joint:

YES



Code: SSS

Description: **Surface Damage Surface Spalling**

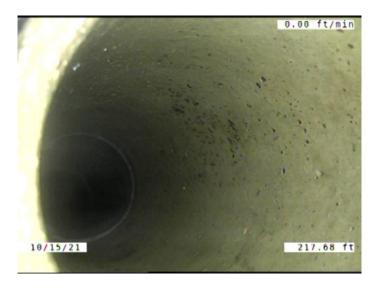
Distance (ft): 217.6 Structural Grade: 2 O&M Grade: 0 Clock Start/From: 9 Clock To: 12

1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: TBI

Description: **Tap Break-in Intruding**

Distance (ft): 217.7 Structural Grade: 0 O&M Grade: 2 Clock Start/From: 10

Clock To:

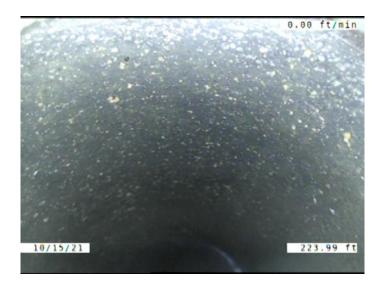
1st Value: 4.000 1.000 2nd Value:

Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: MWL

Description: Miscellaneous Water Level

Distance (ft): 224.0
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:

Remarks:

Remarks:

NO



Code: B
Description: Broken

Distance (ft): 235.6 Structural Grade: 4 O&M Grade: 0 Clock Start/From: 11 Clock To: 4 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: YES



Code: JAM

Description: Joint Angular Medium

Distance (ft): 244.9
Structural Grade: 3
O&M Grade: 0

Clock Start/From:

Clock To:
1st Value:
2nd Value:
Value Percent:
Continuous Index:

Within 8" of Joint:

Remarks:

NO



Code: **TFD**

Description: Tap Factory Defective

Distance (ft): 245.7
Structural Grade: 0
O&M Grade: 3
Clock Start/From: 1

Clock To:

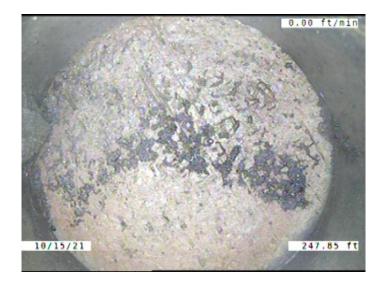
1st Value: **4.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: LARGE OFFSET. SOIL AND VOID

VISIBLE



Code: TFC

Description: Tap Factory Capped

Distance (ft): 247.9
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 11

Clock To:

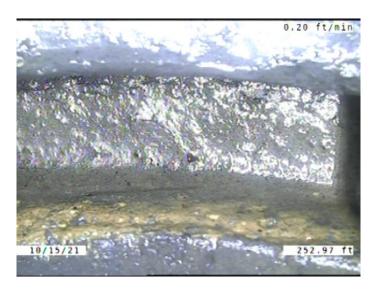
1st Value: **4.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: JAM

Description: Joint Angular Medium

Distance (ft): 253.0
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:

rks:



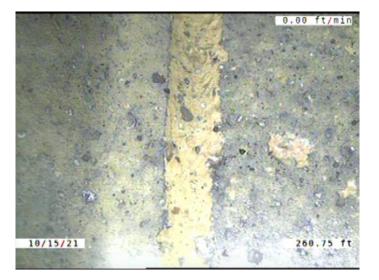
Code: B
Description: Broken

Distance (ft): 260.0
Structural Grade: 4
O&M Grade: 0
Clock Start/From: 10
Clock To: 12

1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks:



Code: SZ

Description: Surface Damage Other

Distance (ft): 260.7
Structural Grade: 0

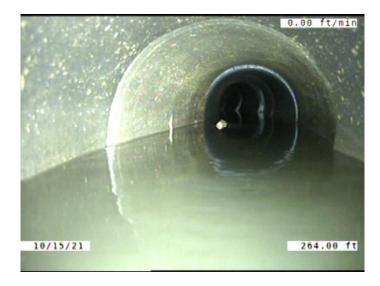
O&M Grade: 0

Clock Start/From: 4

Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: GROOVE IN THE PIPE WALL



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

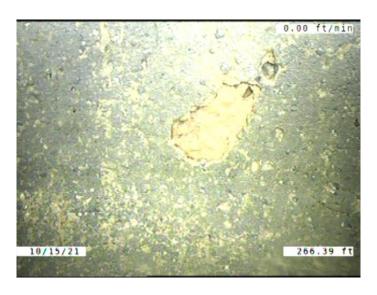
Distance (ft): 264.0 Structural Grade: 3 0 O&M Grade:

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 35.000 Continuous Index: **S10** Within 8" of Joint: NO

Remarks:



SSS Code:

Description: **Surface Damage Surface Spalling**

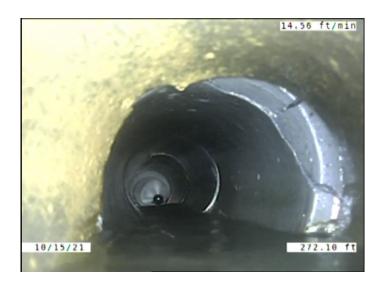
Distance (ft): 266.4 Structural Grade: 2 O&M Grade: 0

Clock Start/From: 1

Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: NO

Remarks:

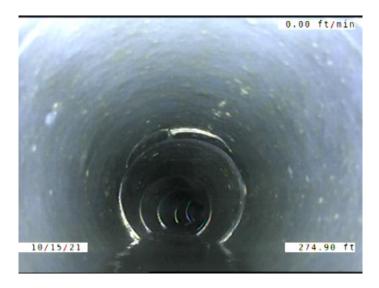


Code: Description: Broken

Distance (ft): 272.1 Structural Grade: 4 O&M Grade: 0 Clock Start/From: 12 Clock To: 4 1st Value: 2nd Value: Value Percent: Continuous Index:

Remarks:

Within 8" of Joint:



Code: **MWLS**

Description: **Miscellaneous Water Level Sag**

YES

Distance (ft): 274.9 Structural Grade: 3 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value:

Value Percent: 35.000 Continuous Index: F10 Within 8" of Joint: NO

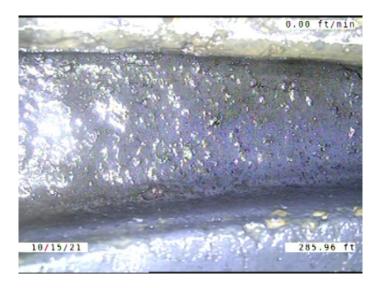
Remarks:



Code: Description: Broken

Distance (ft): 275.6 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:

Remarks:



JAL Code:

Description: **Joint Angular Large**

YES

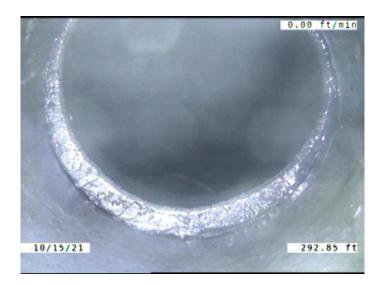
Distance (ft): 286.0 Structural Grade: 4 O&M Grade: 0

Clock Start/From:

Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: NO

Remarks:



Code: TF
Description: Tap Factory

Distance (ft): 292.9
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: YES

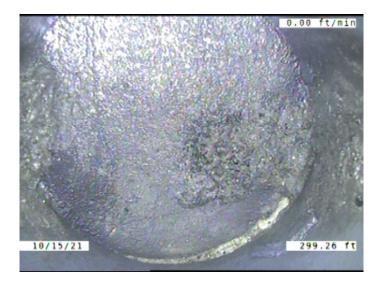
Remarks:



Code: B
Description: Broken

Distance (ft): 292.9 Structural Grade: 4 O&M Grade: 0 Clock Start/From: 1 3 Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index: Within 8" of Joint: YES

Remarks:



Code: TFC

Description: Tap Factory Capped

Distance (ft): 299.3
Structural Grade: 0
O&M Grade: 0
Clock Start/From: 11

Clock To:

1st Value: **4.000**

2nd Value: Value Percent: Continuous Index:

Within 8" of Joint:

Remarks:

YES



Code: SZ

Description: Surface Damage Other

Distance (ft): 307.8
Structural Grade: 0

O&M Grade: 0

Clock Start/From: 8

Clock To: 1st Value: 2nd Value: Value Percent: Continuous Index:

Within 8" of Joint: YES

Remarks: GROOVE IN THE PIPE WALL



Code: **FM**

Description: Fracture Multiple

Distance (ft): 330.1
Structural Grade: 4

O&M Grade: 0

Clock Start/From: 8

Clock To: 4

1st Value: 2nd Value: Value Percent:

Continuous Index: F09
Within 8" of Joint: YES

Remarks:



Code: AMH
Description: Manhole

Distance (ft): 331.2
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-704-014