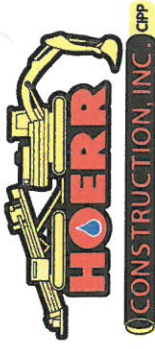


# Appendix B

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**LATERAL POINT REPAIR #1**



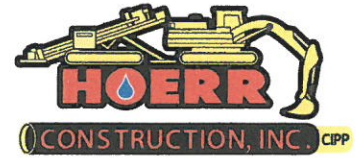
**PACP Sewer Report**

Surveyed by: John Ellis #86  
 Certificate No: U-312-14771  
 Owner: Joliet Post Line  
 Drainage area: Joliet  
 Sheet number:  
 Work order: 1117- 1084  
 Pipeline segment ref: 1117- 1084  
 Start date/time: 2015/08/27 13:45  
 Street: Grand Blvd and Raynor Rear EASE  
 City: Joliet  
 Location details:  
 Upstream manhole No: 1117  
 Rim to invert: 7.0  
 Grade to invert:  
 Downstream manhole No: 1084  
 Rim to invert: 8.9  
 Grade to invert:  
 Sewer use: SS  
 Direction: D  
 Height: 10  
 Width: C  
 Shape: VCP  
 Material: VCP  
 Ln. method: CP  
 Pipe joint length:  
 Total length: 180.2  
 Length surveyed: 180.2  
 Year laid: 2015  
 Year renewed:  
 Purpose: C  
 Sewer category: J  
 Pre-cleaning: J  
 Date cleaned: 2015/08/27  
 Location code: D  
 Additional info:  
 Weather: D  
 Location code: D  
 Additional info:  
 Easting:  
 Northing:  
 Elevation:  
 Coordinate system:  
 GPS accuracy:

**Starting access point:**

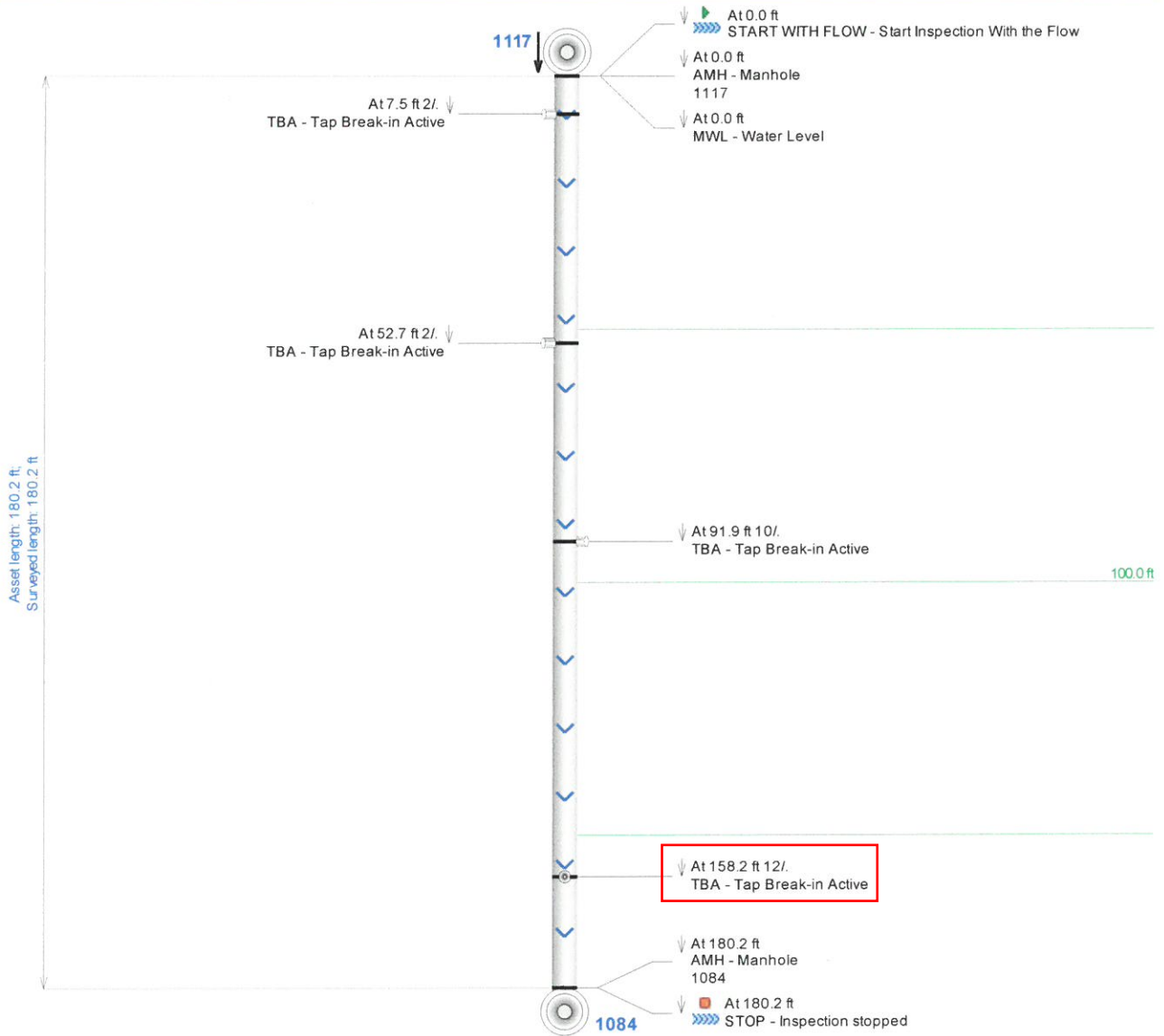
Distance (Feet) (Meters)	Video Ref.	Group/ Descriptor	Modifier/ Severity	S/M/L	Value		Joint	Circumferential Location	Image Ref.	Remarks
					Inches (mm) 1st	2nd				
0.0	1	AMH								1117
0.0	13	MWL				5				
7.5	62	TBA			6		2			
52.7	157	TBA			6		2			
91.9	230	TBA			6		10			
158.2	329	TBA			6		12			
180.2	399	AMH								1084

**LATERAL POINT REPAIR #1**



**Main Inspection with Pipe-Run Graph**

Project Name: <b>Joliet Post Line</b>	Pipeline segment ref: <b>1117- 1084</b>	City: <b>Joliet</b>	Street: <b>Grand Blvd and Raynor Rear Ease</b>
Start date/time: <b>8/27/2015</b>	Width:	Height: <b>10</b>	Material: <b>VCP</b>
Direction: <b>Downstream</b>	Length surveyed: <b>180.2</b>	Surveyed by: <b>John Ellis #86</b>	Location code: <b>D</b>
		Weather:	Additional info:



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**LATERAL POINT REPAIR #2**



**PACP Sewer Report**

Surveyed by: **John Ellis #86** Certificate No: **U-312-14771** Owner: **Joliet Post Line** Survey Customer: **Joliet Post Line** Sheet number:

Work order: **1018- 995** Pipeline segment ref: **1018- 995** Start date/time: **2015/08/27 16:40** Street: **Grand Blvd Rear Ease** City: **Joliet**

Location details: Downstream manhole No: **995** Upstream manhole No: **1018** Rim to invert: **9.0** Grade to invert: **9.0** Rim to grade: **12**

Width: **C** Shape: **C** Material: **VCP** Ln. method: **CP** Pipe joint length: **179.0** Rim to invert: **14.6** Grade to invert: **179.0** Total length: **179.0** Length surveyed: **179.0** Sewer use: **SS** Direction: **D** Flow control: **D** Height: **12**

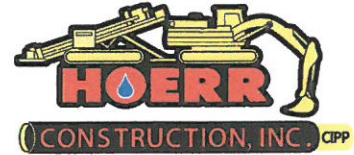
Purpose: **C** Sewer category: **J** Pre-cleaning: **2015/08/27** Date cleaned: **2015/08/27** Weather: **D** Location code: **D** Additional info: **2015** Year renewed: **2015** Media label:

Starting access point: Easting: Northing: Elevation: Coordinate system: GPS accuracy:

Distance (Feet) (Meters)	Video Ref.	Group/ Descriptor	Modifier/ Severity	S/M/L		Value		Joint	Circumferential Location	Image Ref.	Remarks
				1st	2nd	Inches (mm)	%				
0.0	1	AMH									1018
0.0	22	MWL					5				
26.6	135	TBA			6			2			
45.5	180	TFA			6			11			
83.8	282	TBA			6			1			
100.6	319	TBA			6			10			
127.7	386	TFA			6			11			
179.0	551	AMH									995

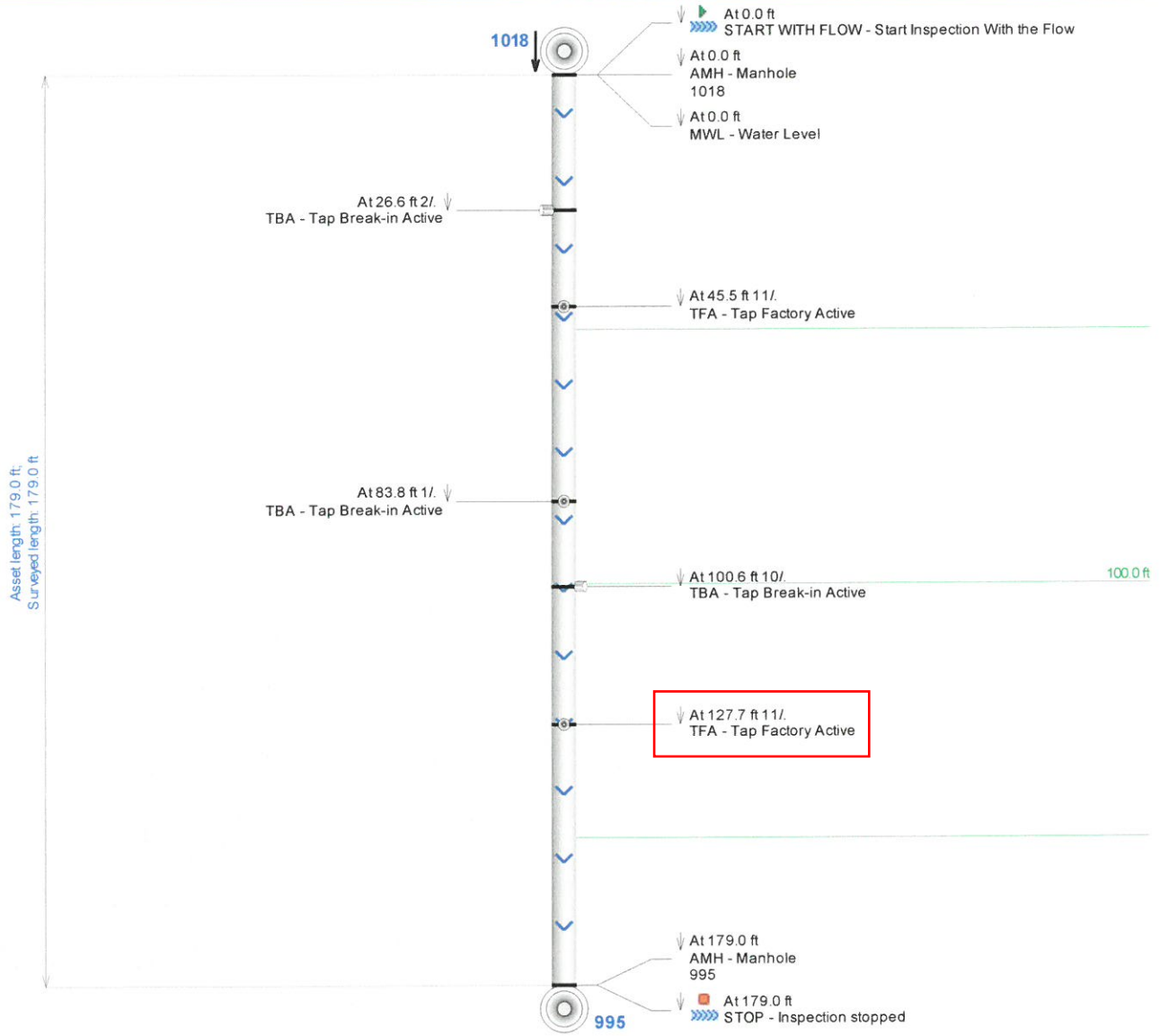
36

**LATERAL POINT REPAIR #2**



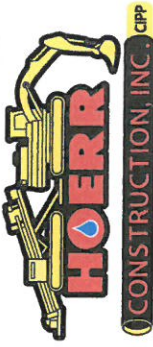
**Main Inspection with Pipe-Run Graph**

Project Name: <b>Joliet Post Line</b>	Pipeline segment ref: <b>1018- 995</b>	City: <b>Joliet</b>	Street: <b>Grand Blvd Rear Ease</b>
Start date/time: <b>8/27/2015</b>	Width:	Height: <b>12</b>	Material: <b>VCP</b>
Direction: <b>Downstream</b>	Length surveyed: <b>179.0</b>	Surveyed by: <b>John Ellis #86</b>	Location code: <b>D</b>
		Weather: <b></b>	
		Additional info: <b></b>	



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**LATERAL POINT REPAIR #3**



# PACP Sewer Report

Surveyed by: **Norman Hostetler #59** Certificate No: **U-3123-14772** Owner: **Joliet** Survey Customer: **Joliet** Sheet number:  
 Work order: **960-995** Pipeline segment ref: **2015/09/01 17:07** Street: **Grand BLVD Rear Easement** City: **Joliet**  
 Location details: Upstream manhole No: **960** Rim to invert: **17.8** Grade to invert: Rim to grade: **12**  
 Downstream manhole No: **995** Rim to invert: **14.6** Grade to invert: Rim to grade: **12**  
 Width: **C** Shape: **VCP** Material: **CP** Ln. method: **CP** Pipe joint length: **188.1** Total length: **188.0** Length surveyed: **188.0** Sewer use: **SS** Direction: **D** Flow control: **12**  
 Purpose: **J** Sewer category: **J** Pre-cleaning Date cleaned: **D** Weather: **D** Location code: **D** Additional info: Year renewed: Media label:

**Starting access point:**

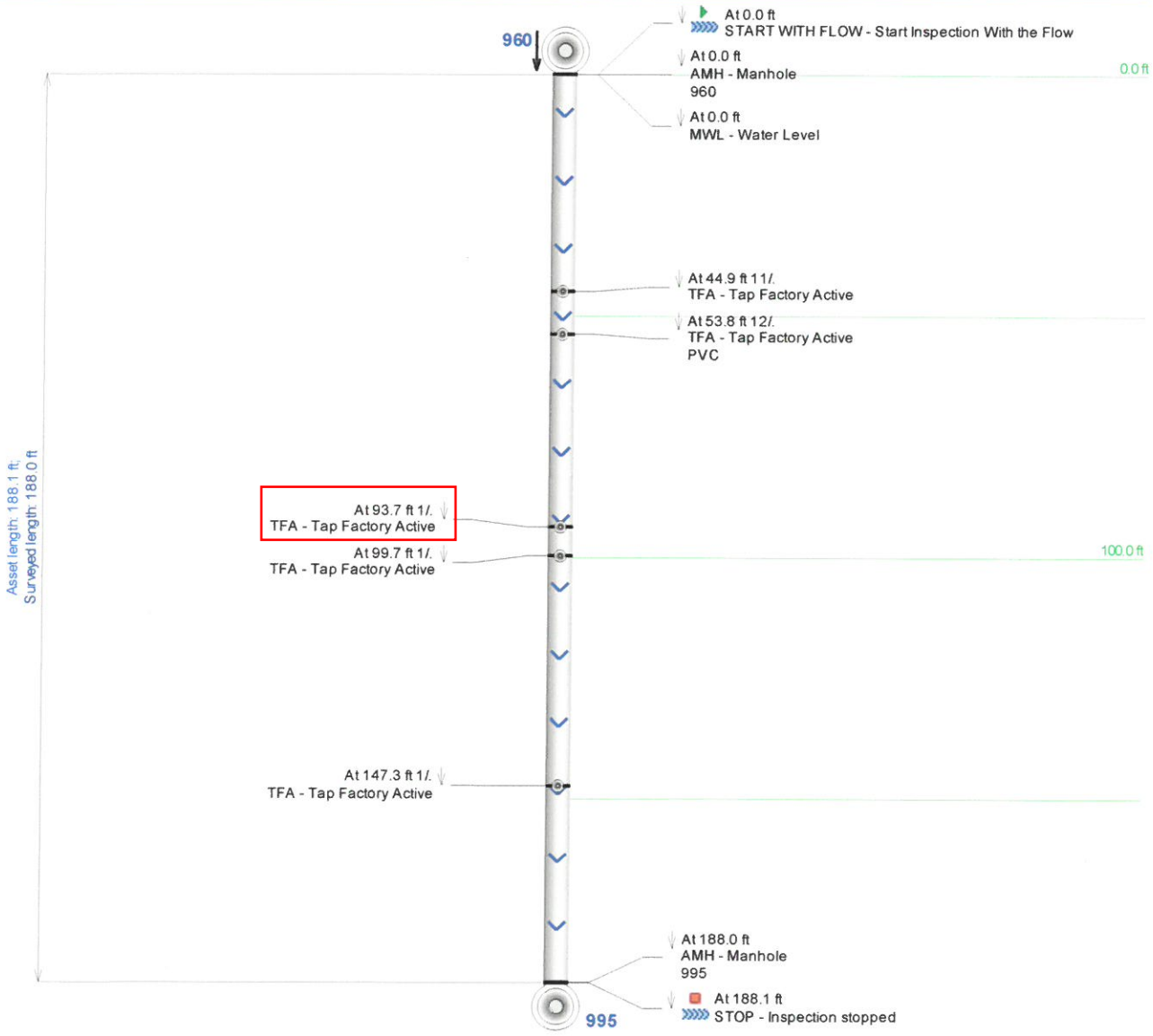
Distance (Feet) (Meters)	Video Ref.	Group/ Descriptor	Modifier/ Severity	Continuous Defect S/M/L	Value		Joint	Circumferential Location	Image Ref.	Remarks
					Inches (mm)	%				
					1st	2nd	AV/From	to		
0.0	1	AMH								960
0.0	10	MWL				5				
44.9	104	TFA			6		11			
53.8	170	TFA			6		12			PVC
93.7	244	TFA			6		1			
99.7	276	TFA			6		1			
147.3	360	TFA			6		1			
188.0	481	AMH								995

**LATERAL POINT REPAIR #3**



**Main Inspection with Pipe-Run Graph**

Project Name: <b>Joliet Post TV</b>	Pipeline segment ref: <b>960- 995</b>	City: <b>Joliet</b>	Street: <b>Grand BLVD Rear Easement</b>
Start date/time: <b>9/1/2015</b>	Width:	Height: <b>12</b>	Material: <b>VCP</b>
Direction: <b>Downstream</b>	Length surveyed: <b>188.0</b>	Surveyed by: <b>Norman Hostetler #59</b>	Additional info:
			Location code: <b>D</b>
			Weather:



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**LATERAL POINT REPAIR #4**



**PACP Sewer Report**

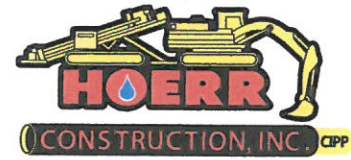
Surveyed by: **Norman Hostetler #59** Certificate No: **U-3123-14772** Owner: **Joliet** Survey Customer: **Joliet** Sheet number:  
 Work order: **960-995** Pipeline segment ref: **960-995** Start date/time: **2015/09/01 17:07** Street: **Grand BLVD Rear Easement** City: **Joliet**  
 Location details: Upstream manhole No: **960** Rim to invert: **17.8** Grade to invert: **17.8** Rim to grade: **17.8** Downstream manhole No: **995** Rim to invert: **14.6** Grade to invert: **14.6** Rim to grade: **14.6** Height: **12**  
 Width: **C** Shape: **C** Material: **VCP** Ln. method: **CP** Pipe joint length: **188.1** Total length: **188.0** Length surveyed: **188.0** Sewer use: **SS** Direction: **D** Flow control: **D** Media label:  
 Purpose: **J** Sewer category: **J** Pre-cleaning: **J** Date cleaned: **J** Weather: **D** Location code: **D** Additional info: **D** Year renewed: **D** Year laid: **D**

**Starting access point:**

Distance (Feet) (Meters)	Video Ref.	Group/ Descriptor	Modifier/ Severity	Continuous Defect S/M/L	Value		Joint	Circumferential Location	Image Ref.	Remarks
					Inches	2nd				
					1st		AV/From	to		
0.0	1	AMH								960
0.0	10	MWL				5				
44.9	104	TFA			6		11			
53.8	170	TFA			6		12			PVC
93.7	244	TFA			6		1			
99.7	276	TFA			6		1			
147.3	360	TFA			6		1			
188.0	481	AMH								995

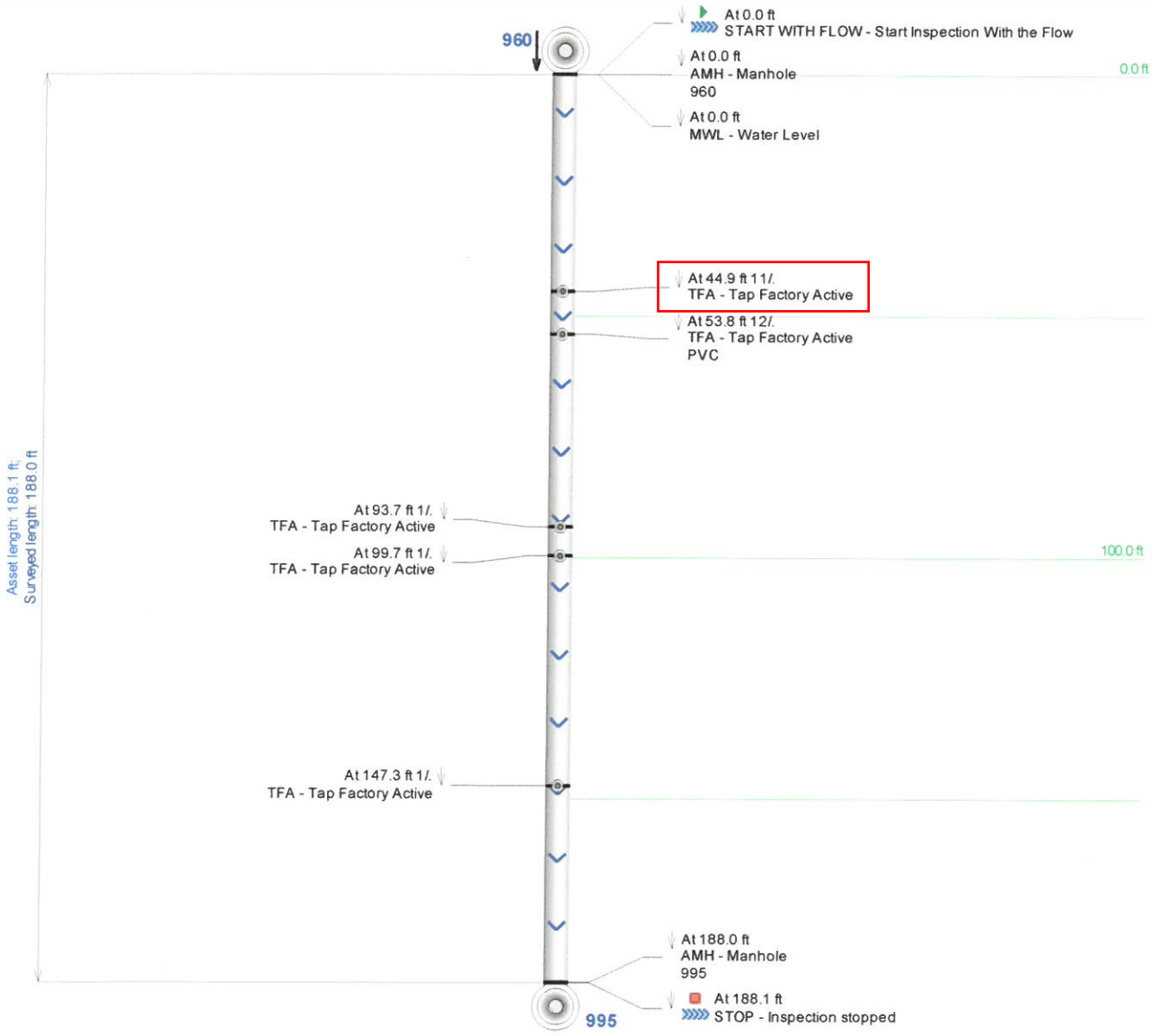


**LATERAL POINT REPAIR #4**



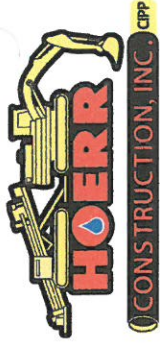
**Main Inspection with Pipe-Run Graph**

Project Name: <b>Joliet Post TV</b>	Pipeline segment ref: <b>960- 995</b>	City: <b>Joliet</b>	Street: <b>Grand BLVD Rear Easement</b>
Start date/time: <b>9/1/2015</b>	Width: 	Height: <b>12</b>	Material: <b>VCP</b>
Direction: <b>Downstream</b>	Length surveyed: <b>188.0</b>	Surveyed by: <b>Norman Hostetler #59</b>	Location code: <b>D</b>
		Weather: 	
		Additional info: 	



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**LATERAL POINT REPAIR #5**



**PACP Sewer Report**

Surveyed by: **John Ellis #86** Certificate No: **U-312-14771** Owner: **Joliet Post Line** Survey Customer: **Joliet Post Line** Drainage area:  Sheet number:

Work order: **884- 914** Pipeline segment ref: **884- 914** Start date/time: **2015/08/26 13:40** Street: **Grand Blvd Rear Easement** City: **Joliet**

Location details:  Upstream manhole No: **884** Rim to invert: **14.2** Grade to invert:  Rim to grade:  Rim to grade:

Downstream manhole No: **914** Rim to invert: **17.7** Grade to invert:  Rim to grade:  Sewer use: **SS** Direction: **D** Flow control:  Height: **10**

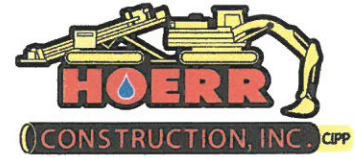
Width: **C** Shape: **C** Material: **VCP** Ln. method: **CP** Pipe joint length:  Total length: **189.0** Length surveyed: **189.0** Year laid: **2015** Media label:

Purpose: **C** Sewer category: **J** Pre-cleaning:  Date cleaned: **2015/08/26** Weather: **D** Location code: **D** Additional info:  Year renewed: **2015**

Starting access point:  Easting:  Northing:  Elevation:  Coordinate system:  GPS accuracy:

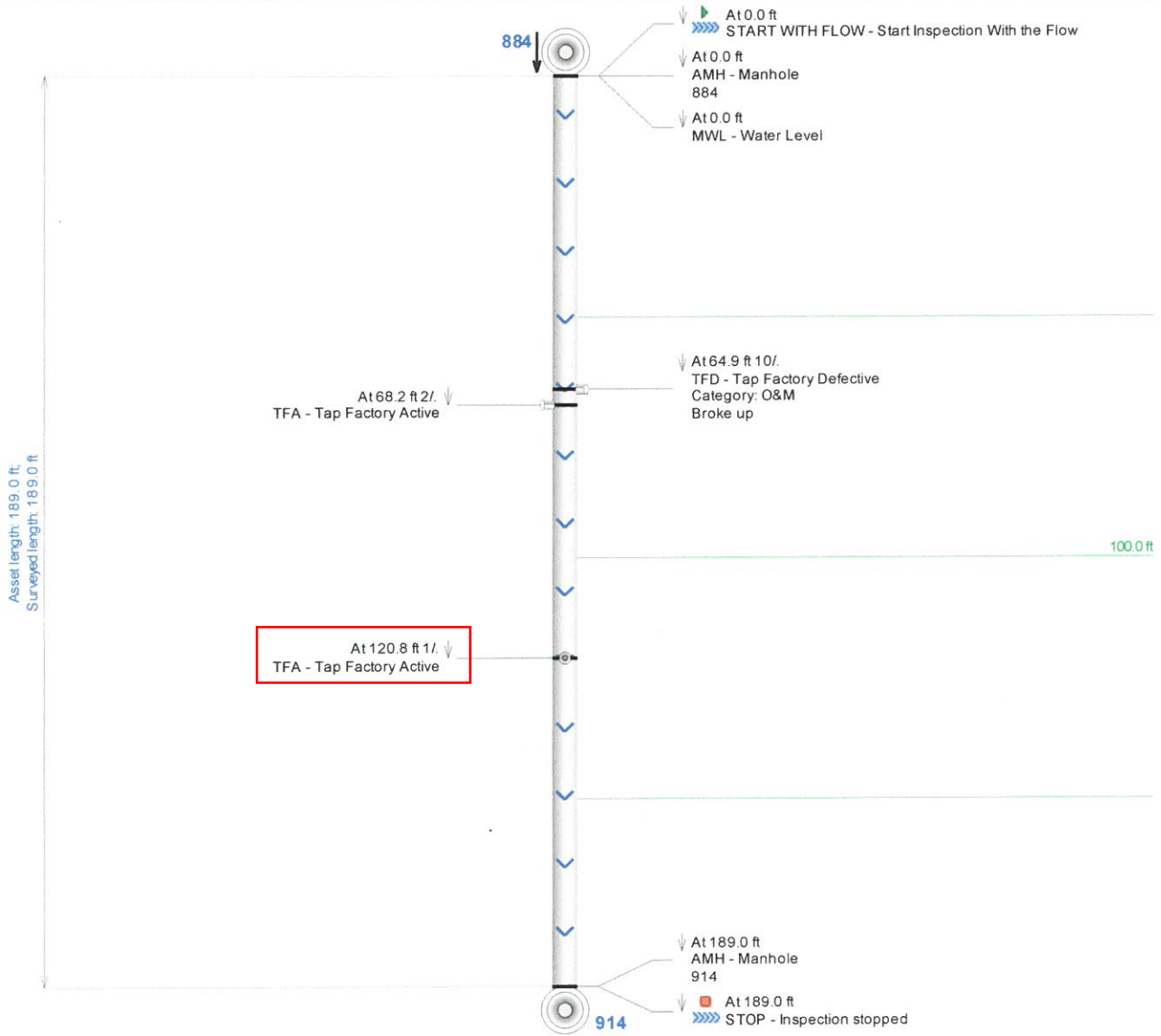
Distance (Feet) (Meters)	Video Ref.	Group/ Descriptor	Modifier/ Severity	S/M/L	Value		%	Joint	Circumferential Location	Image Ref.	Remarks
					Inches (mm) 1st	2nd					
0.0	6	AMH									884
0.0	15	MWL					5				
64.9	106	TFD			6			10			Broke up
68.2	152	TFA			6			2			
120.8	229	TFA			6			1			
189.0	332	AMH									914

**LATERAL POINT REPAIR #5**



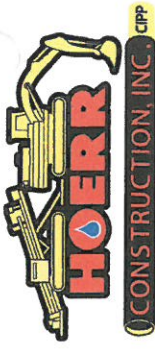
**Main Inspection with Pipe-Run Graph**

Project Name: Joliet Post Line	Pipeline segment ref: 884- 914	City: Joliet	Street: Grand Blvd Rear Easement
Start date/time: 8/26/2015	Width: 10	Height: 10	Material: VCP
Direction: Downstream	Length surveyed: 189.0	Surveyed by: John Ellis #86	Location code: D
		Weather: Additional info:	



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**LATERAL POINT REPAIR #6**



**PACP Sewer Report**

Surveyed by: John Ellis #86 Certificate No: U-312-14771 Owner: Joliet Post Line Survey Customer: Joliet Post Line Drainage area: Sheet number:

Work order: 883- 884 Pipeline segment ref: 883- 884 Start date/time: 2015/08/26 13:13 Street: Grand Blvd rear Ease City: Joliet

Location details: Downstream manhole No: 884 Upstream manhole No: 883 Rim to invert: 14.2 Grade to invert: 9.0 Rim to grade: Rim to grade: 10

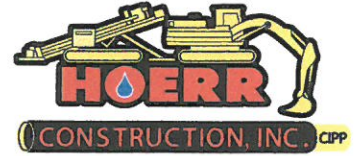
Width: C Shape: C Material: VCP Ln. method: CP Pipe joint length: 176.8 Total length: 176.8 Length surveyed: 176.8 Year laid: 2015 Year renewed: 2015 Media label:

Purpose: C Sewer category: J Pre-cleaning: J Date cleaned: 2015/08/26 Weather: D Location code: D Additional info: Direction: D Flow control: D Height: 10

Starting access point: Easting: Northing: Elevation: Coordinate system: GPS accuracy:

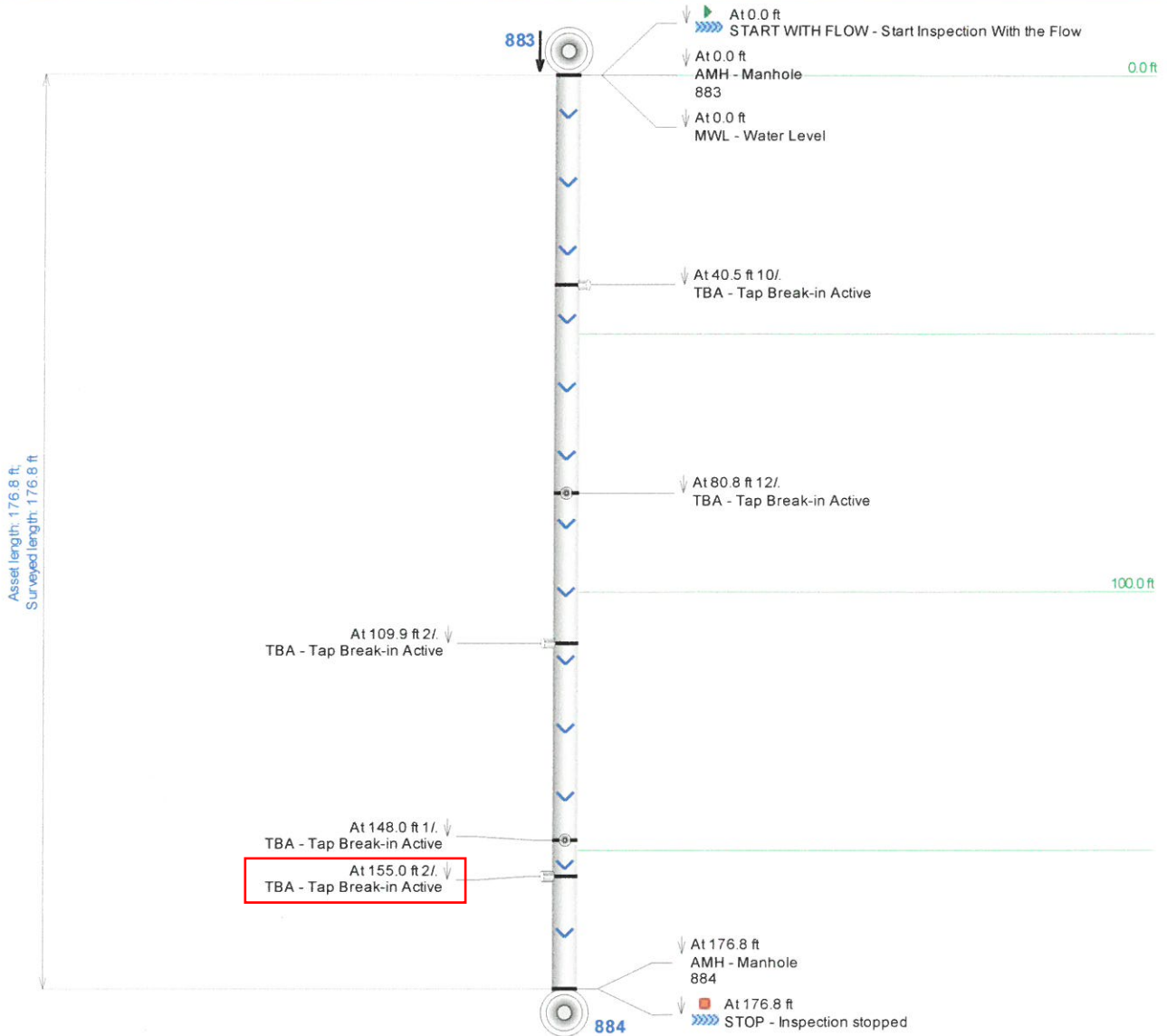
Distance (Feet) (Meters)	Video Ref.	Group/ Descriptor	Modifier/ Severity	S/M/L	Value Inches (mm)	%	Joint	Circumferential Location	Image Ref.	Remarks
					1st	2nd		At/From	to	
0.0	13	AMH								883
0.0	42	MWL				5				
40.5	248	TBA			6			10		
80.8	431	TBA			6			12		
109.9	624	TBA			6			2		
148.0	787	TBA			6			1		
155.0	949	TBA			6			2		
176.8	1105	AMH								884

**LATERAL POINT REPAIR #6**



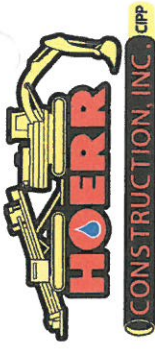
**Main Inspection with Pipe-Run Graph**

Project Name: <b>Joliet Post Line</b>	Pipeline segment ref: <b>883- 884</b>	City: <b>Joliet</b>	Street: <b>Grand Blvd rear Ease</b>
Start date/time: <b>8/26/2015</b>	Width:	Height: <b>10</b>	Material: <b>VCP</b>
Direction: <b>Downstream</b>	Length surveyed: <b>176.8</b>	Surveyed by: <b>John Ellis #86</b>	Location code: <b>D</b>
		Weather:	Additional info:



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**LATERAL POINT REPAIR #7**



**PACP Sewer Report**

Surveyed by: John Ellis #86  
 Certificate No: U-312-14771  
 Owner: Joliet Post Line  
 Drainage area: \_\_\_\_\_  
 Sheet number: \_\_\_\_\_

Work order: 883- 884  
 Pipeline segment ref: 883- 884  
 Start date/time: 2015/08/26 13:13  
 Street: Grand Blvd rear Ease  
 City: Joliet

Location details:  
 Downstream manhole No: 884  
 Upstream manhole No: 883  
 Rim to invert: 14.2  
 Rim to grade: 9.0  
 Grade to invert: \_\_\_\_\_  
 Rim to grade: \_\_\_\_\_

Width: C  
 Shape: VCP  
 Material: VCP  
 Ln. method: CP  
 Pipe joint length: \_\_\_\_\_  
 Total length: 176.8  
 Length surveyed: 176.8

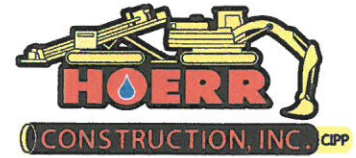
Purpose: C  
 Sewer category: J  
 Pre-cleaning: \_\_\_\_\_  
 Date cleaned: 2015/08/26  
 Weather: D  
 Location code: D  
 Additional info: \_\_\_\_\_

Year renewed: 2015  
 Year laid: \_\_\_\_\_  
 Direction: D  
 Flow control: \_\_\_\_\_  
 Height: 10  
 Media label: \_\_\_\_\_

Starting access point:  
 Easting: \_\_\_\_\_  
 Northing: \_\_\_\_\_  
 Elevation: \_\_\_\_\_  
 Coordinate system: \_\_\_\_\_  
 GPS accuracy: \_\_\_\_\_

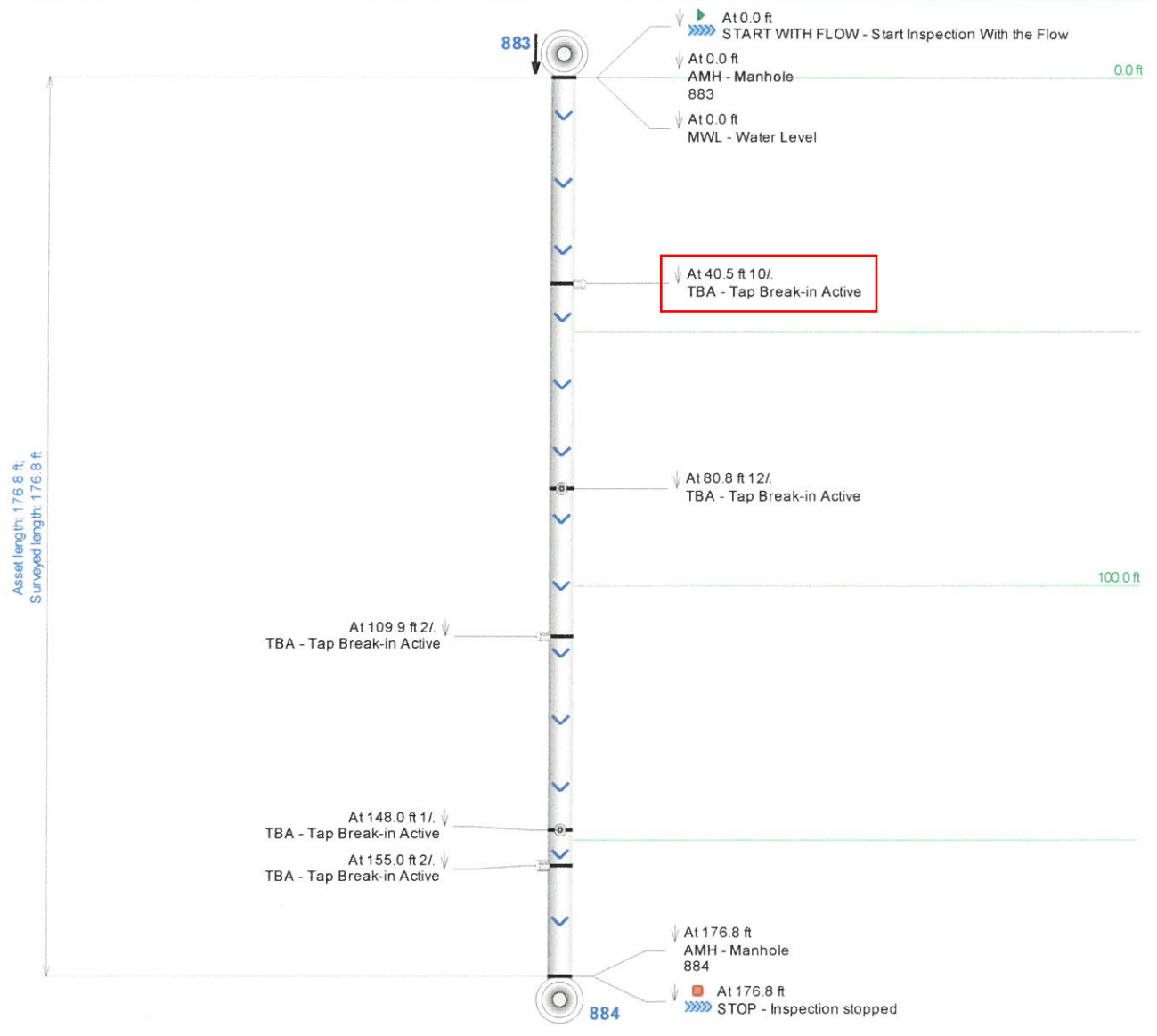
Distance (Feet) (Meters)	Video Ref.	Group/ Descriptor	Modifier/ Severity	S/M/L	Value Inches (mm)	%	Joint	Circumferential Location	Image Ref.	Remarks
					1st	2nd		At/From	to	
0.0	13	AMH								883
0.0	42	MWL				5				
40.5	248	TBA			6			10		
80.8	431	TBA			6			12		
109.9	624	TBA			6			2		
148.0	787	TBA			6			1		
155.0	949	TBA			6			2		
176.8	1105	AMH								884

**LATERAL POINT REPAIR #7**



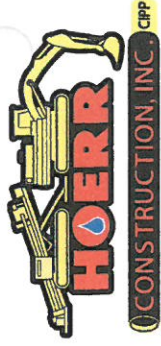
**Main Inspection with Pipe-Run Graph**

Project Name: <b>Joliet Post Line</b>	Pipeline segment ref: <b>883- 884</b>	City: <b>Joliet</b>	Street: <b>Grand Blvd rear Ease</b>
Start date/time: <b>8/26/2015</b>	Width:	Height: <b>10</b>	Material: <b>VCP</b>
Direction: <b>Downstream</b>	Length surveyed: <b>176.8</b>	Surveyed by: <b>John Ellis #86</b>	Location code: <b>D</b>
			Weather:
Additional info:			



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**LATERAL POINT REPAIR #8**



**PACP Sewer Report**

Surveyed by: **John Ellis #86** Certificate No: **U-312-14771** Owner: **Joliet Post Line** Drainage area: \_\_\_\_\_ Sheet number: \_\_\_\_\_  
 Work order: **1151- 1101** Pipeline segment ref: **1151- 1101** Start date/time: **2015/08/27 14:52** Street: **Manor and Grand Blvd Rear Ease** City: **Joliet**  
 Location details: \_\_\_\_\_ Upstream manhole No: **1151** Rim to invert: **8.2** Grade to invert: \_\_\_\_\_ Rim to grade: \_\_\_\_\_ Sewer use: **SS** Direction: **D** Flow control: \_\_\_\_\_ Height: **10**  
 Downstream manhole No: **1101** Rim to invert: \_\_\_\_\_ Grade to invert: \_\_\_\_\_ Rim to grade: \_\_\_\_\_ Sewer use: **SS** Direction: **D** Flow control: \_\_\_\_\_ Height: **10**  
 Width: **C** Shape: **C** Material: **VCP** Ln. method: **CP** Total length: **178.0** Length surveyed: **178.0** Year laid: \_\_\_\_\_ Year renewed: **2015** Media label: \_\_\_\_\_  
 Purpose: **C** Sewer category: **J** Pre-cleaning: **2015/08/27** Date cleaned: **2015/08/27** Location code: **D** Weather: \_\_\_\_\_ Additional info: \_\_\_\_\_  
 Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Elevation: \_\_\_\_\_ Coordinate system: \_\_\_\_\_ GPS accuracy: \_\_\_\_\_

**Starting access point:**

Distance (Feet) (Meters)	Video Ref.	Group/ Descriptor	Modifier/ Severity	S/M/L	Value		Joint	Circumferential Location	Image Ref.	Remarks
					Inches (mm) 1st	2nd				
0.0	1	AMH								1151
0.0	13	MWL				5				
5.6	45	TFA			6		2			
27.6	101	TFA			6		10			
75.1	185	TBA			6		2			
117.3	263	TBA			6		1			
126.8	304	TBA			6		11			
159.6	391	TBA			6		1			
167.3	424	TBA			6		1			

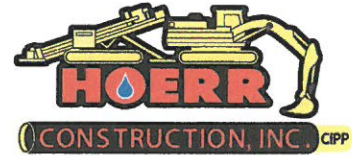




Surveyed by: **John Ellis #86**      Owner: \_\_\_\_\_      Start date/time: **2015/08/27**      Upstream manhole No: **1151**      Pipeline segment ref: **1151- 1101**      Sheet number: \_\_\_\_\_

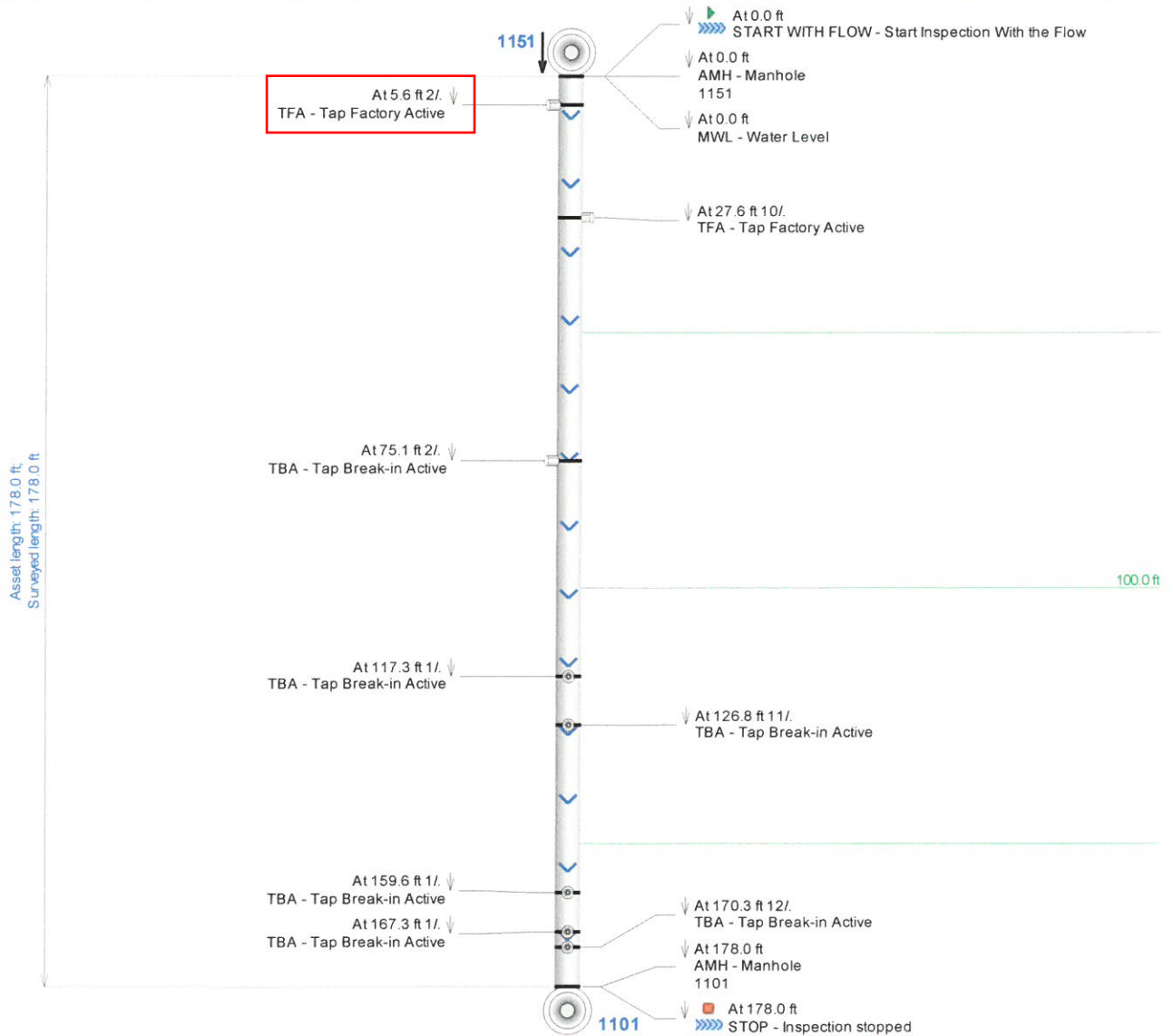
Distance (Feet) (Meters)	Video Ref.	Group/ Descriptor	Modifier/ Severity	Continuous Defect	S/W/L	Value Inches (mm)		Joint	Circumferential Location AV/From      to	Image Ref.	Remarks
						1st	2nd				
170.3	450	TBA				6			12		
178.0	479	AMH									1101

**LATERAL POINT REPAIR #8**



**Main Inspection with Pipe-Run Graph**

Project Name: <b>Joliet Post Line</b>	Pipeline segment ref: <b>1151- 1101</b>	City: <b>Joliet</b>	Street: <b>Manor and Grand Blvd Rear Ease</b>
Start date/time: <b>8/27/2015</b>	Width: <b></b>	Height: <b>10</b>	Material: <b>VCP</b>
Direction: <b>Downstream</b>	Length surveyed: <b>178.0</b>	Surveyed by: <b>John Ellis #86</b>	Additional info: <b></b>
		Location code: <b>D</b>	Weather: <b></b>



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**LATERAL POINT REPAIR #9**



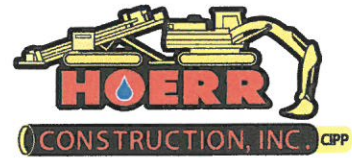
# PACP Sewer Report

Surveyed by: **John Ellis #86** Certificate No: **U-312-14771** Owner: **Joliet Post Line** Drainage area: \_\_\_\_\_ Sheet number: \_\_\_\_\_  
 Work order: **1101- 1068** Pipeline segment ref: **1101- 1068** Start date/time: **2015/08/27 15:03** Street: **Grand Blvd and Manor Rear Ease** City: **Joliet**  
 Location details: \_\_\_\_\_ Upstream manhole No: **1101** Rim to invert: \_\_\_\_\_ Grade to invert: \_\_\_\_\_ Sewer use: **SS** Direction: **D** Flow control: \_\_\_\_\_ Height: **10**  
 Downstream manhole No: **1068** Rim to invert: **15.8** Grade to invert: \_\_\_\_\_ Rim to grade: \_\_\_\_\_ Length surveyed: **178.7** Year renewed: **2015** Media label: \_\_\_\_\_  
 Width: **C** Shape: **C** Material: **VCP** Ln. method: **CP** Total length: **178.7** Year laid: \_\_\_\_\_  
 Purpose: **C** Sewer category: **J** Pre-cleaning: **J** Date cleaned: **2015/08/27** Weather: **D** Location code: **D** Additional info: \_\_\_\_\_

**Starting access point:**

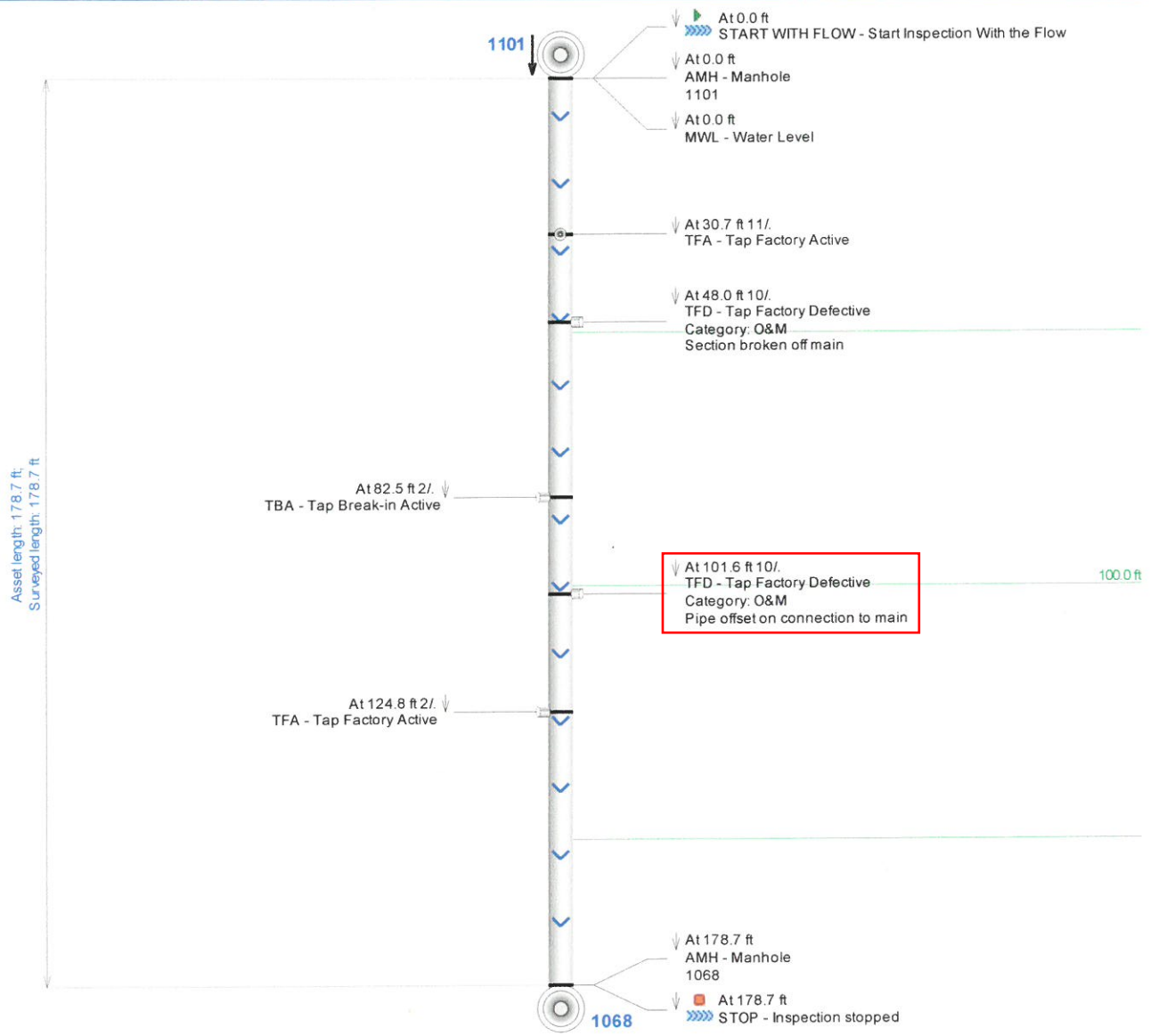
Distance (Feet) (Meters)	Video Ref.	Group/ Descriptor	Modifier/ Severity	Continuous Defect S/M/L	Value Inches (mm)		Joint %	Circumferential Location At/From	to	Image Ref.	Remarks
					1st	2nd					
0.0	6	AMH									1101
0.0	18	MWL					5				
30.7	72	TFA			6			11			
48.0	117	TFD			6			10			Section broken off main
82.5	205	TBA			6			2			
101.6	264	TFD			6			10			Pipe offset on connection to main
124.8	376	TFA			6			2			
178.7	463	AMH									1068

**LATERAL POINT REPAIR #9**



**Main Inspection with Pipe-Run Graph**

Project Name: Joliet Post Line	Pipeline segment ref: 1101- 1068	City: Joliet	Street: Grand Blvd and Manor Rear Ease
Start date/time: 8/27/2015	Width: 	Height: 10	Material: VCP
Direction: Downstream	Length surveyed: 178.7	Surveyed by: John Ellis #86	Location code: D
Weather:		Additional info:	



49

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**LATERAL POINT REPAIR #10**



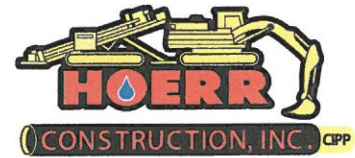
**PACP Sewer Report**

Surveyed by: **John Ellis #86** Certificate No: **U-312-14771** Owner: **Joliet Post Line** Drainage area: \_\_\_\_\_ Sheet number: \_\_\_\_\_  
 Work order: **1101- 1068** Pipeline segment ref: **1101- 1068** Start date/time: **2015/08/27 15:03** Street: **Grand Blvd and Manor Rear Ease** City: **Joliet**  
 Location details: \_\_\_\_\_ Upstream manhole No: **1101** Rim to invert: \_\_\_\_\_ Grade to invert: \_\_\_\_\_ Rim to grade: \_\_\_\_\_  
 Downstream manhole No: **1068** Rim to invert: **15.8** Grade to invert: \_\_\_\_\_ Rim to grade: \_\_\_\_\_ Sewer use: **SS** Direction: **D** Flow control: \_\_\_\_\_ Height: **10**  
 Width: **C** Shape: **C** Material: **VCP** Ln. method: **CP** Pipe joint length: \_\_\_\_\_ Total length: **178.7** Length surveyed: **178.7** Year laid: \_\_\_\_\_ Year renewed: **2015** Media label: \_\_\_\_\_  
 Purpose: **C** Sewer category: **J** Pre-cleaning: **J** Date cleaned: **2015/08/27** Weather: \_\_\_\_\_ Location code: **D** Additional info: \_\_\_\_\_

**Starting access point:**

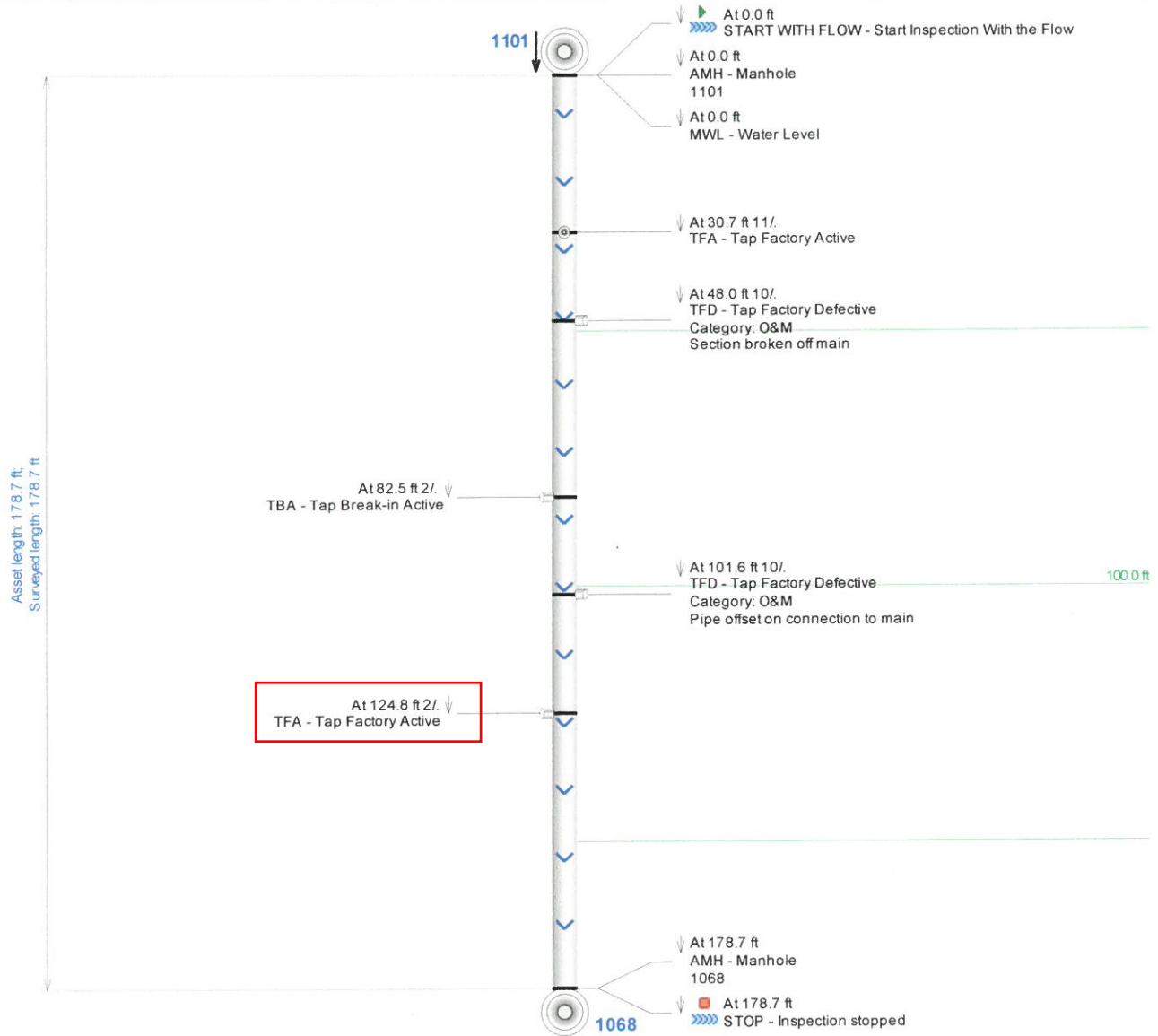
Distance (Feet) (Meters)	Video Ref.	Group/ Descriptor	Modifier/ Severity	Continuous Defect S/M/L	Value		Joint	Circumferential Location	Image Ref.	Remarks
					Inches (mm)	%				
					1st	2nd	At/From	to		
0.0	6	AMH								1101
0.0	18	MWL				5				
30.7	72	TFA			6		11			
48.0	117	TFD			6		10			Section broken off main
82.5	205	TBA			6		2			
101.6	264	TFD			6		10			
124.8	376	TFA			6		2			Pipe offset on connection to main
178.7	463	AMH								1068

**LATERAL POINT REPAIR #10**



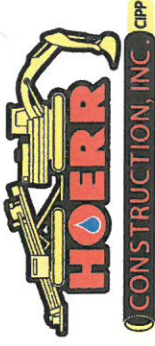
**Main Inspection with Pipe-Run Graph**

Project Name: Joliet Post Line	Pipeline segment ref: 1101- 1068	City: Joliet	Street: Grand Blvd and Manor Rear Ease
Start date/time: 8/27/2015	Width: 	Height: 10	Material: VCP
Direction: Downstream	Length surveyed: 178.7	Surveyed by: John Ellis #86	Location code: D
Weather:		Additional info:	



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**LATERAL POINT REPAIR #11**



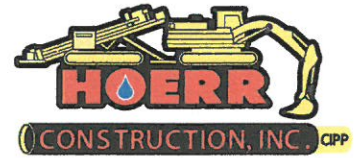
**PACP Sewer Report**

Surveyed by: **John Ellis #86** Certificate No: **U-312-14771** Owner: **Joliet Post Line** Drainage area: \_\_\_\_\_ Sheet number: \_\_\_\_\_  
 Work order: **1008- 1047** Pipeline segment ref: **1008- 1047** Start date/time: **2015/09/02 11:34** Street: **Manor Ct & Grand Ave Rear Ease** City: **Joliet**  
 Location details: \_\_\_\_\_ Upstream manhole No: **1008** Rim to invert: \_\_\_\_\_ Grade to invert: \_\_\_\_\_ Sewer use: **SS** Direction: **D** Flow control: \_\_\_\_\_ Height: **12**  
 Downstream manhole No: **1047** Rim to invert: **15.0** Grade to invert: \_\_\_\_\_ Rim to grade: \_\_\_\_\_ Length surveyed: **179.0** Year renewed: **2015** Media label: \_\_\_\_\_  
 Width: **C** Shape: **C** Material: **VCP** Ln. method: **CP** Total length: **179.0** Year laid: \_\_\_\_\_  
 Purpose: **C** Sewer category: **J** Pre-cleaning: **J** Date cleaned: **2015/08/31** Weather: \_\_\_\_\_ Location code: **D** Additional info: \_\_\_\_\_

**Starting access point:**

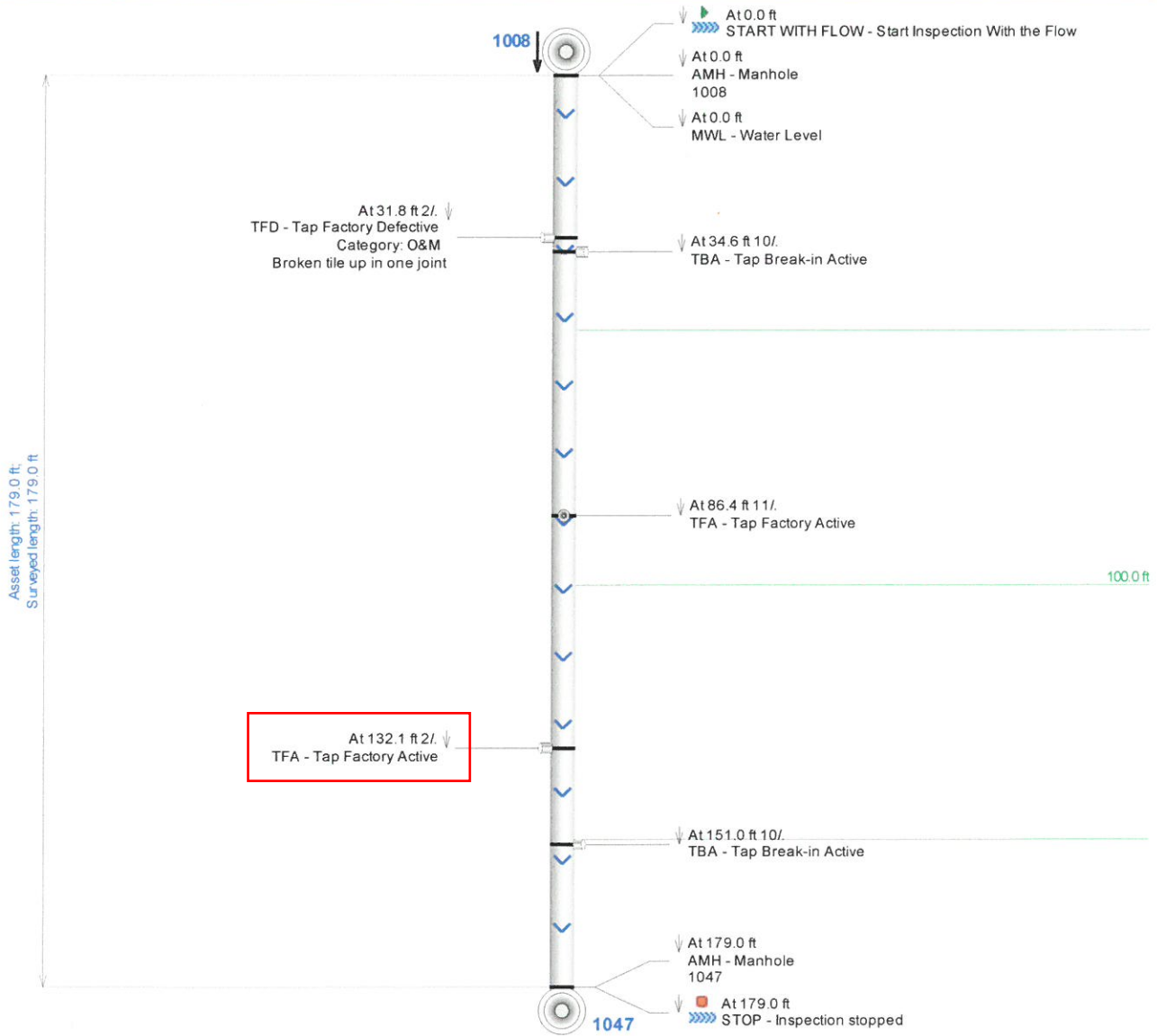
Distance (Feet) (Meters)	Video Ref.	Group/ Descriptor	Modifier/ Severity	Continuous Defect S/M/L	Value		Joint	Circumferential Location	Image Ref.	Remarks
					Inches (mm)	%				
					1st	2nd	Al/From	to		
0.0	1	AMH								1008
0.0	10	MWL				5				
31.8	89	TFD			6		2			Broken tile up in one joint
34.6	134	TBA			6		10			
86.4	229	TFA			6		11			
132.1	319	TFA			6		2			
151.0	383	TBA			6		10			
179.0	480	AMH								1047

**LATERAL POINT REPAIR #11**



**Main Inspection with Pipe-Run Graph**

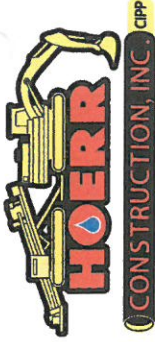
Project Name: <b>Joliet Post Line</b>	Pipeline segment ref: <b>1008- 1047</b>	City: <b>Joliet</b>	Street: <b>Manor Ct &amp; Grand Ave Rear Ease</b>
Start date/time: <b>9/2/2015</b>	Width: 	Height: <b>12</b>	Material: <b>VCP</b>
Direction: <b>Downstream</b>	Length surveyed: <b>179.0</b>	Surveyed by: <b>John Ellis #86</b>	Additional info: 
		Location code: <b>D</b>	Weather: 





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**LATERAL POINT REPAIR #12**



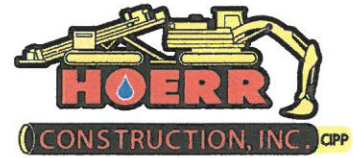
**PACP Sewer Report**

Surveyed by: **John Ellis #86** Certificate No: **U-312-14771** Owner: **Joliet Post Line** Drainage area: \_\_\_\_\_ Sheet number: \_\_\_\_\_  
 Work order: **1008- 1047** Pipeline segment ref: **1008- 1047** Start date/time: **2015/09/02 11:34** Street: **Manor Ct & Grand Ave Rear Ease** City: **Joliet**  
 Location details: \_\_\_\_\_ Upstream manhole No: **1008** Rim to invert: \_\_\_\_\_ Grade to invert: \_\_\_\_\_ Sewer use: **SS** Direction: **D** Flow control: \_\_\_\_\_ Height: **12**  
 Downstream manhole No: **1047** Rim to invert: **15.0** Grade to invert: \_\_\_\_\_ Rim to grade: \_\_\_\_\_ Length surveyed: **179.0** Year laid: **2015** Media label: \_\_\_\_\_  
 Width: \_\_\_\_\_ Shape: **C** Material: **VCP** Ln. method: **CP** Total length: **179.0** Additional info: \_\_\_\_\_  
 Purpose: **C** Sewer category: **J** Pre-cleaning Date cleaned: **2015/08/31** Weather: **D** Location code: **D**

**Starting access point:**

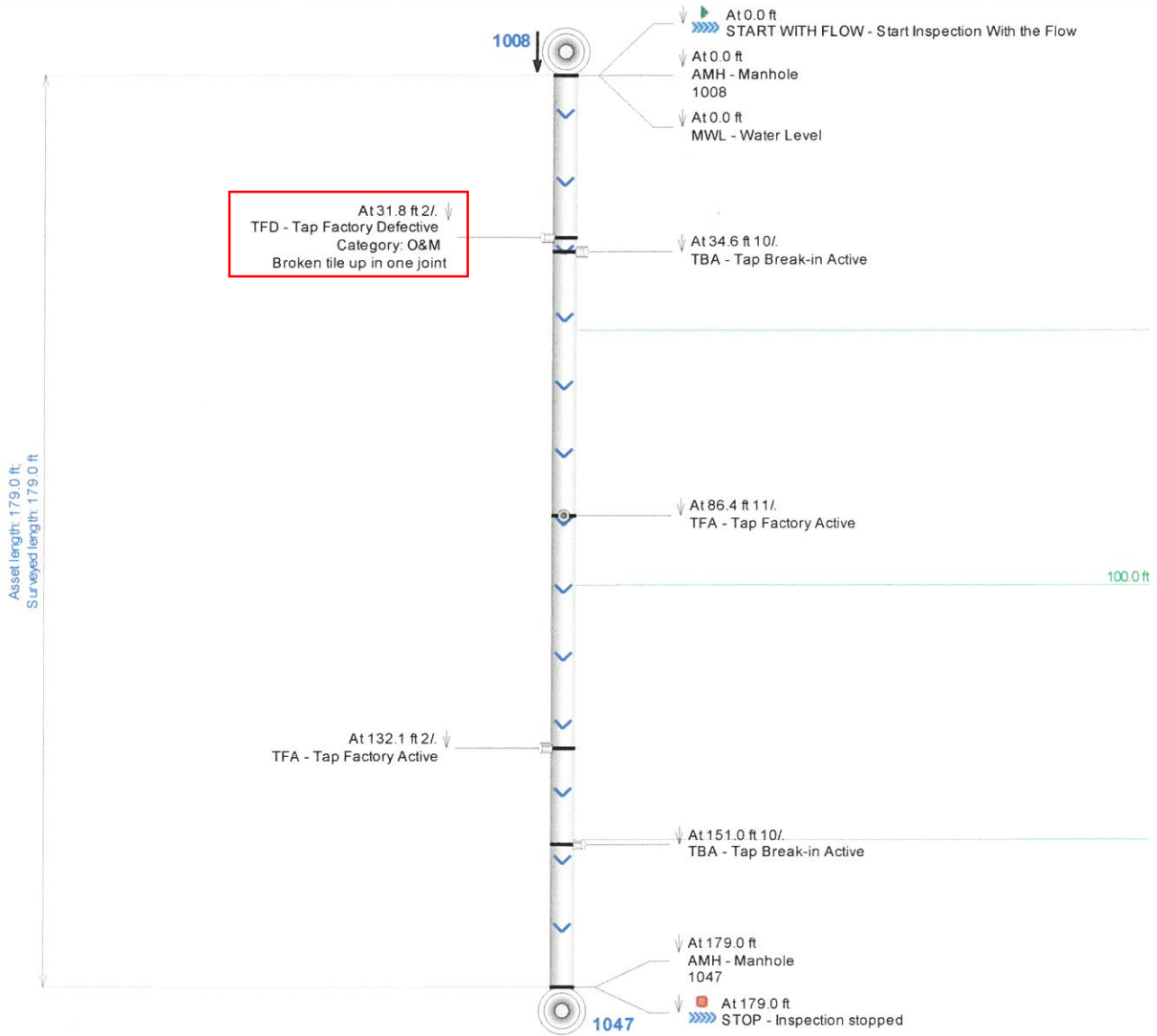
Distance (Feet) (Meters)	Video Ref.	Group/ Descriptor	Modifier/ Severity	Continuous Defect S/M/L	Value		Joint	Circumferential Location	Image Ref.	Remarks
					Inches (mm)	%				
					1st	2nd	Al/From	to		
0.0	1	AMH								1008
0.0	10	MWL				5				
31.8	89	TFD			6		2			Broken tile up in one joint
34.6	134	TBA			6		10			
86.4	229	TFA			6		11			
132.1	319	TFA			6		2			
151.0	383	TBA			6		10			
179.0	480	AMH								1047

**LATERAL POINT REPAIR #12**



**Main Inspection with Pipe-Run Graph**

Project Name: Joliet Post Line	Pipeline segment ref: 1008- 1047	City: Joliet	Street: Manor Ct & Grand Ave Rear Ease
Start date/time: 9/2/2015	Width: 	Height: 12	Material: VCP
Direction: Downstream	Length surveyed: 179.0	Surveyed by: John Ellis #86	Location code: D
		Weather: 	
		Additional info: 	



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**LATERAL POINT REPAIR #13**



# PACP Sewer Report

Surveyed by: **John Ellis #86** Certificate No: **U-312-14771** Owner: **Joliet Post Line** Drainage area: \_\_\_\_\_ Sheet number: \_\_\_\_\_  
 Work order: **987- 1008** Pipeline segment ref: **2015/09/02** Start date/time: **11:22** Street: **Manor Ct & Grand Blvd rear Ease** City: **Joliet**  
 Location details: \_\_\_\_\_ Upstream manhole No: **987** Rim to invert: **15.0** Grade to invert: \_\_\_\_\_ Rim to grade: \_\_\_\_\_  
 Downstream manhole No: **1008** Rim to invert: \_\_\_\_\_ Grade to invert: \_\_\_\_\_ Sewer use: **SS** Direction: **D** Flow control: \_\_\_\_\_ Height: **10**  
 Width: **C** Shape: **C** Material: **VCP** Ln. method: **CP** Total length: **180.2** Length surveyed: **180.2** Year laid: **2015** Media label: \_\_\_\_\_  
 Purpose: **C** Sewer category: **J** Pre-cleaning: **2015/08/31** Date cleaned: **2015/08/31** Weather: **D** Location code: **D** Additional info: \_\_\_\_\_  
 Easting: \_\_\_\_\_ Northing: \_\_\_\_\_ Elevation: \_\_\_\_\_ Coordinate system: \_\_\_\_\_ GPS accuracy: \_\_\_\_\_

**Starting access point:**

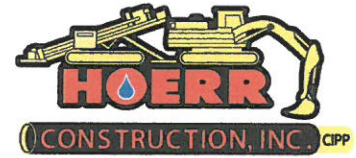
Distance (Feet) (Meters)	Video Ref.	Group/ Descriptor	Modifier/ Severity	S/M/L	Value		Joint	Circumferential Location	Image Ref.	Remarks
					Inches (mm) 1st	2nd				
0.0	1	AMH								987
0.0	15	MWL				5				
9.6	54	TFA			6		2			
43.6	118	TBA			6		10			
55.9	172	TFA			6		2			
85.0	264	TBA			6		10			
133.1	346	TFA			6		11			
157.9	413	TFA			6		1			
180.2	483	TBA			6		9			Service comes in Buried manhole



Surveyed by: **John Ellis #86**      Owner: \_\_\_\_\_      Start date/time: **2015/09/02**      Upstream manhole No: **987**      Pipeline segment ref: **987- 1008**      Sheet number: \_\_\_\_\_

Distance (Feet) (Meters)	Video Ref.	Group/ Descriptor	Modifier/ Severity	Continuous Defect	S/M/L	Value Inches (mm)		Joint	Circumferential Location	Image Ref.	Remarks
						1st	2nd				
180.2	510	AMH									1008

**LATERAL POINT REPAIR #13**



**Main Inspection with Pipe-Run Graph**

Project Name: <b>Joliet Post Line</b>	Pipeline segment ref: <b>987- 1008</b>	City: <b>Joliet</b>	Street: <b>Manor Ct &amp; Grand Blvd rear Ease</b>
Start date/time: <b>9/2/2015</b>	Width:	Height: <b>10</b>	Material: <b>VCP</b>
Direction: <b>Downstream</b>	Length surveyed: <b>180.2</b>	Surveyed by: <b>John Ellis #86</b>	Additional info:
			Location code: <b>D</b>
			Weather:

