

2015-2016 Storm Sewer and Floor Drain Observations  
Corrective Measure Implementation

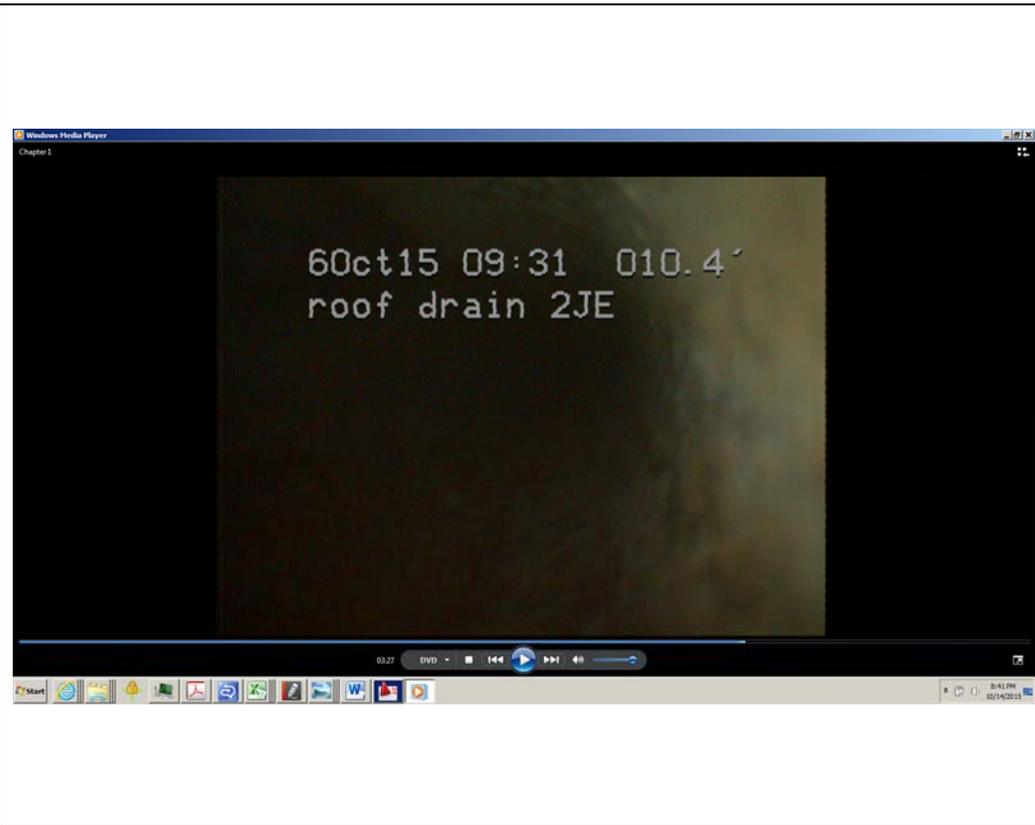
<p>AECOM Project No.: 60442945</p>	<p>GE Parts and Repair Service Center 175 Milens Road Tonawanda, New York</p>	<p>Client Name: General Electric International, Inc.</p>
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**PHOTO NO: 1**

**Date:** 10/6/15

**Direction:**  
East

**Description:**  
Roof drain from building column 2J heading east (downstream) appears to be in good condition. Some scale visible, but no sediment.



**PHOTO NO: 2**

**Date:** 10/16/15

**Direction:**  
North

**Description:**  
Storm (roof drain) line east of building and north of replaced pipe section. Debris and rock encountered approximately 3 feet north of new pipe connection. Appears to be roofing stone. Camera unable to navigate pipe. Visible section is sediment free and in good shape.



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**PHOTO NO: 3**

**Date:** 10/7/15

**Direction:**  
North

**Description:**  
STMH-3 heading north (upstream) into temporary pipe. Cast iron pipe in generally good shape. Scale and deposit buildup visible. Loose sediment and debris not observed.



**PHOTO NO: 4**

**Date:** 10/7/15

**Direction:**  
Southeast

**Description:**  
STMH-1 heading southeast (upstream) towards catch basin CB-3. Camera unable to proceed past approximately 4.5 feet; concrete appears to be intruding into the pipe at a pipe section joint. No loose sediment observed. Length of pipe viewed appears to be in good condition.



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**PHOTO NO: 5**

**Date:** 10/7/15

**Direction:**  
Northwest

**Description:**  
STMH-1 heading northwest (upstream) towards catch basin CB-1. Pipe is damaged with joints no longer aligned, which restricted camera footage. Pipe appears clean with some staining.



**PHOTO NO: 6**

**Date:** 10/7/15

**Direction:**  
Southwest

**Description:**  
STMH-1 heading southwest (downstream) towards Milens Road. Pipe in good shape but joints have intruding concrete. Some hard deposits in pipe bottom that may be concrete. Directional change approximately 90 feet down from manhole that appears to be custom made sweep comprised of alternate pipe pieces to generate angle less than 90 degrees. Camera could not navigate past change. No sediment observed.



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<p><b>PHOTO NO: 7</b></p>	
<p><b>Date:</b> 10/16/15</p>	
<p><b>Direction:</b> East</p> <p><b>Description:</b> STMH-2 heading east (upstream) towards STMH-3. Pipe appears to be in fair shape. Staining, scale buildup, and petrified deposits are present. Loose sediment not observed after pipe was re-cleaned.</p>	
<p><b>PHOTO NO: 8</b></p>	
<p><b>Date:</b> 10/16/15</p>	
<p><b>Direction:</b> West</p> <p><b>Description:</b> STMH-2 heading west (downstream) towards STMH-1. Pipe in good shape and sediment not observed.</p>	

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<p><b>PHOTO NO: 9</b></p>	
<p><b>Date:</b> 10/14/15</p> <p><b>Direction:</b> East Northeast</p> <p><b>Description:</b> MH-1 heading east (upstream) towards DKP catch basin. Initial condition appears good, but standing water obscures view of pipe bottom. Several attempts made to get camera beyond approximately 30 feet in, and once it does the camera sinks below water level. After reversing, gray sediment can be seen bubbling up. Bottom of pipe appears to be broken. Camera cannot proceed.</p>	
<p><b>PHOTO NO: 10</b></p>	
<p><b>Date:</b> 10/15/15</p> <p><b>Direction:</b> North</p> <p><b>Description:</b> MH-1 heading north (upstream) towards blind connection from GE facility. Large debris is present in pipe and camera cannot navigate further. Additional cleaning could result in damage to pipe.</p>	

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<p><b>PHOTO NO: 11</b></p>	
<p><b>Date:</b> 10/15/15</p> <p><b>Direction:</b> North</p> <p><b>Description:</b> MH-2 heading north (upstream) towards MH-1. No loose sediment observed. Some scale, staining, and solidified material observed.</p>	
<p><b>PHOTO NO: 12</b></p>	
<p><b>Date:</b> 10/15/15</p> <p><b>Direction:</b> North</p> <p><b>Description:</b> MH-3 heading north (upstream) towards MH-2. Viewed section of pipe appeared to be in generally good condition, with some scale. Probable root intrusion at approximately 50 feet. No sediment observed.</p>	

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<p><b>PHOTO NO: 13</b></p>	
<p><b>Date:</b> 10/15/15</p>	
<p><b>Direction:</b> North</p> <p><b>Description:</b> MH-3 heading north (upstream). Additional accumulation of hard deposits observed as continue north. It appears to be concrete. Loose sediment not observed.</p>	

<p><b>PHOTO NO: 14</b></p>	
<p><b>Date:</b> 10/15/15</p>	
<p><b>Direction:</b> North</p> <p><b>Description:</b> MH-4 heading north (upstream) towards MH-3. Pipe largely dry and can see bottom joints. No sediment observed. Large chunk of debris encountered at approximately 118 feet.</p>	

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<p><b>PHOTO NO: 15</b></p>	
<p><b>Date:</b> 10/02/15</p>	
<p><b>Direction:</b> East</p> <p><b>Description:</b> View of outside trench drain in the concrete ramp to the depressed loading dock. Bulk debris being shoveled out.</p>	

<p><b>PHOTO NO: 16</b></p>	
<p><b>Date:</b> 10/02/15</p>	
<p><b>Direction:</b> West</p> <p><b>Description:</b> View of ramp trench drain after bulk debris removal. Structure is in good shape. Clean Harbors Field Services (CHFS) preparing to wash drain.</p>	

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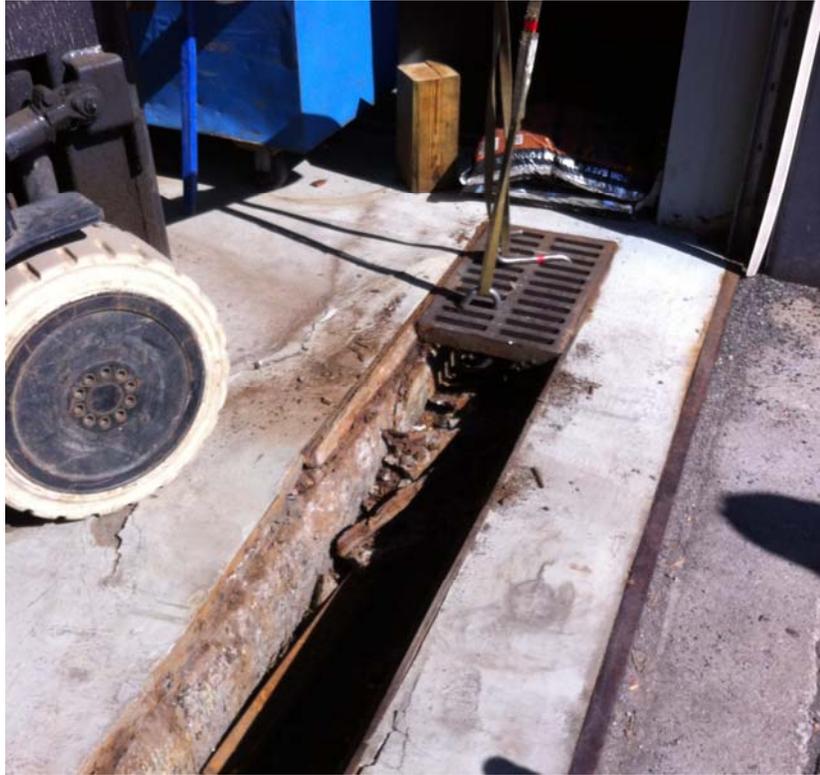
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**PHOTO NO: 17**

**Date:** 10/08/15

**Direction:**  
Northeast

**Description:**  
View of interior trench drain at the at-grade truck bay adjacent to and west of depressed loading dock. As grates are removed, the supporting metal frame and concrete crumbled. Trench itself was intact. Effluent drain pipe from trench was previously filled.

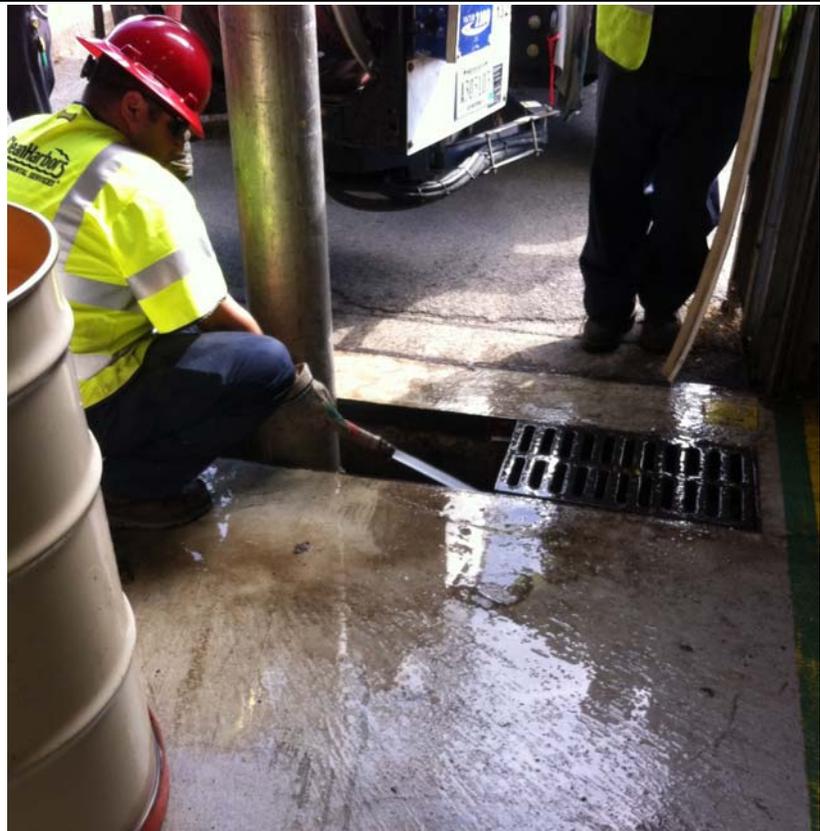


**PHOTO NO: 18**

**Date:** 10/08/15

**Direction:**  
South

**Description:**  
View of trench drain inside building for the at-grade truck bay west of depressed dock. CHFS is rinsing drain structure and capturing water with vacuum truck.



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**PHOTO NO: 19**

**Date:** 10/08/15

**Direction:**  
Down

**Description:**  
View of CHFS cleaning floor drain in depressed dock.



**PHOTO NO: 20**

**Date:** 10/08/15

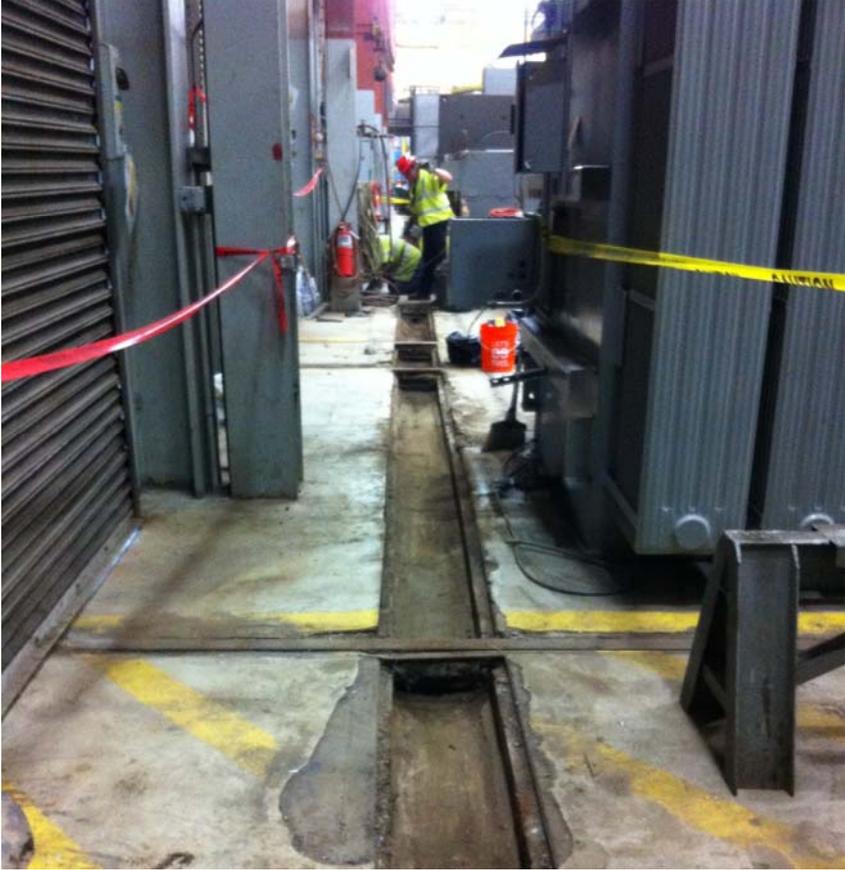
**Direction:**  
Down

**Description:**  
View of the sump structure west of the depressed dock that receives water from the floor drain (see Photo No. 19). CHFS is using vacuum truck to remove water as they flush the drain from depressed dock.



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<p><b>PHOTO NO: 21</b></p>	
<p><b>Date:</b> 10/01/15</p>	
<p><b>Direction:</b> South</p> <p><b>Description:</b> View of the rail bay trench drain (inside building). Removal of cover plates led to damage of nearby epoxy coating and concrete. In the background, CHFS personnel are examining connection to sump prior to cleaning activities.</p>	

<p><b>PHOTO NO: 22</b></p>	
<p><b>Date:</b> 10/02/15</p>	
<p><b>Direction:</b> North</p> <p><b>Description:</b> View of the rail bay trench drain (inside building). Removal of cover plates led to damage of nearby epoxy coating and concrete. Trench integrity issues became clear as the drain was cleaned.</p>	