


Pump Station 1 Piping Repair

<p>Background</p>	<p>The City's sanitary sewer system collects sewage from properties throughout the City's water/sewer area and carries that sewage to the wastewater treatment plant where it is treated prior to discharge to the Patuxent River. There are nine pump stations in the City which lift the sewage from low areas toward the treatment plant.</p> <p>Pump Station No. 1 is approximately 58 years old. Pumps and some valves have been recently replaced but piping and structures are mostly original installation and in need of inspection, replacement or rehabilitation.</p> <p>Some pipe segment is severely corroded, especially at a 6" force main penetrating the exterior wall of the building (see the photo). Pump station wet well has not be inspected since its installation. Permanent bypass connection should be provided to facilitate any repairs which require pump station shutdown.</p> 
<p>Project Scope</p>	<p>The pump station repair and rehabilitation project will be executed in two project phases, Phase I and Phase II. Phase I addressed immediate needs, which involve replacing the rusted force main piping segment and appurtenances, fixing the leakage at the wall penetration, and installing permanent bypass piping connection for this pump station. During construction, continuous sewer flow through this pump station will be provided through temporary bypass operations. Phase II will address the other issues, including remaining interior pipes and appurtenances to be replaced, and wet well inspection and rehabilitation as needed.</p>
<p>Project Manager</p>	<p>Name: Hong Yin Phone: 301-809-2337 email: hyin@cityofbowie.org</p>
<p>Total Project Cost</p>	<p>Phase I Project Cost: \$200,000 Phase II Project Cost: TBD</p>
<p>Designer</p>	<p>In-house Team</p>
<p>Construction Contractor</p>	<p>Phase I: Old Line Construction Phase II: TBD</p>
<p>Anticipated Construction Date</p>	<p>Phase I: August – November 2019 Phase II: TBD</p>
<p>Last updated: 7/24/2019</p>	