

Featherstone Sewage Pumping Station (SPS), L16 and Force Main (FM)

Project Status: Design Phase

Project Description

The Featherstone SPS is a critical asset, as it is one (1) of only two (2) pumping stations that moves wastewater to the H.L. Mooney Advanced Water Reclamation Facility (Mooney AWRP). The pumping station is an aging infrastructure and has capacity limitations, necessitating the installation of temporary additional bypass pumping at the site. As part of this project, a new SPS will be constructed to replace the existing SPS. In addition, the volume of flow passing through this pumping station and its proximity to the Potomac River mean that any failure at this station would pose a significant environmental and public health risk.

To mitigate these risks and support long-term community needs, this project will replace the existing 50-year-old Featherstone SPS with a larger pumping station to address future capacity needs with upgraded structural, mechanical, electrical, Supervisory Control and Data Acquisition (SCADA), heating, ventilation and air conditioning, and security. The Project also includes easement acquisition and a new force main.

Project Delivery & Leadership Team

Prince William Water is utilizing a design-build delivery method to accelerate project delivery, minimize construction duration, provide flexibility for early work and proactively manage project risks. The progressive design-build delivery method utilizes a phased approach that allows the project scope and costs to be collaboratively refined as the design progresses.

Following competitive procurement process, Prince William Water selected the following team to lead the project:

Design-Build Contract SA-2611A: Garney Companies, Inc. (Garney) is the Design-Build Contractor for this project. Garney is responsible for leading the overall design-build effort and self-performing significant portion of the construction. Garney has teamed up with Dewberry Engineers Inc. (Dewberry) to prepare the engineering drawings, technical specifications, multi-hazard resiliency assessments, and environmental studies through design phase, as well as to provide engineering support during construction

Owner's Consultant Contract SA-2512: GFT Infrastructure, Inc. (GFT) is the Owner's Consultant for this project. GFT acts as the Project Representative for Prince William Water,

providing procurement support, technical review, and providing oversight for providing day-to-day construction management to ensure project alignment with standards and specifications.

Project Timeframe:

- Design Start Date : Summer 2026 - Summer 2027
- Construction Start Date: Fall 2027
- Project Completion Date: 2030