

Graham Park Sewage Pumping Station and Force Main Improvements - SPS112
Prince William County Service Authority Project Summary

Project Description: This Prince William County Service Authority project includes the replacement of an existing antiquated Sewage Pumping Station (SPS) and force main (FM) and raising the SPS control building and equipment above the 100-year flood plain elevation. Construction began in March 2022 and is anticipated to be complete by the end of the year.

Project Website: <https://www.pwcsa.org/graham-park-sewage-pump-station-project>

Scope of Work: This project consists of installing a new submersible SPS with new controls, motors, emergency generator, by-pass connection on force main pipe, and new flow metering equipment. The proposed pump control enclosure will be about 12' in height and will be approximately 7' by 13' in size consisting of a faux-brick façade. The facility will be enclosed with a fence and locked for security. Additionally, the project will provide emergency backup power supply and protect pump station facilities from storm surge flooding.

Project benefits: The project will improve service reliability, safety conditions and provide permanent back-up power.

Project impact on residents/customers

- Noise associated with construction.
- Construction trucks accessing the SPS.
- Daily cleanup during construction to remove dust and dirt.

If any disruption to sanitary sewer service is required, notifications will be given to residents 24 hours in advance.

Potential impact on traffic: Our standard roadway and traffic matters are outlined below. The Construction Contractor will be required to comply with Department of Environmental Quality (DEQ) Erosion and Sediment Control requirements to ensure all construction traffic does not track dirt on roads. The Service Authority included in the construction contract a provision for fees to be assessed if the Construction Contractor does not comply with these requirements. Regular project updates to the impact of traffic will be listed on the website [Graham Park Project](#).

1.2 Roadways and Traffic

A. Maintenance of Traffic

1. Maintenance of traffic shall conform to the requirements of the Right-of-Way Land Use Permit issued by VDOT and the requirements of other regulatory agencies having jurisdiction.

B. Maintenance of Roadways

1. The Contractor shall sweep and wash all paved roads that are used for hauling, in accordance with the requirements of the DEQ's Erosion and Sedimentation Control Handbook, or as directed by the Owner or Project Representative. At a minimum, the Contractor shall sweep and wash all paved roads at the Site daily.

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2. The Contractor shall provide a wheel wash facility at locations adjacent to paved roads, in accordance with the requirements of the Virginia Erosion and Sedimentation Control Handbook, latest edition, or as directed by the Owner or Project Representative. All vehicles leaving unpaved roads must use the wheel wash facility before using paved roads.

C. Public Service Vehicles

1. Contractor shall ensure that school buses, postal service vehicles, trash collection vehicles, emergency vehicles, police, and other public service vehicles can conduct their business in accordance with the requirements of VDOT or other right-of-way permitting agency having jurisdiction, and in accordance with the requirements of specification section 01500 Construction Facilities and Temporary Controls.

D. Parking

1. The Contractor will make suitable parking arrangements for the use of all construction workers and others performing Work or furnishing services in connection with the Contract, to avoid any need for parking personal vehicles where they may interfere with public traffic, residents' use of private property, or construction activities.

Project Duration: Approximately one year

Project Engineer: GHD, Inc.

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