



Commissioner Kishia L. Powell



Woodward Way Pump Station #1 Improvements for GDOT Project

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PROJECT OVERVIEW:

City of Atlanta Department of Watershed Management (DWM) owns and operates Woodward Way Pump Station No.1 (PS-01) that will be upsized to handle larger flows. The proposed improvements include replacing the existing PS-01 with a larger pump station. The upsizing is required due to the replacement of Northside Drive Bridge over Peachtree Creek by the Georgia Department of Transportation. The proposed elevated bridge design prevents the existing 18- inch diameter gravity sewer along the Northside Drive to continue to operate by gravity requiring the flows to be pumped across. The sewer flows from the development North of the Woodward Way and Northside Drive intersection will be diverted to PS-01 which currently only receives flows from the residential development located on the Northeast quadrant of the same intersection. Additionally, sewer flows from existing PS-02 tributary area (Northwest of the intersection) will also be diverted to PS-01 such that two pump stations can be consolidated in to one. The PS-01 will be upsized significantly to handle additional flows and hydraulic head.

PROJECT DESCRIPTION:

The proposed design consists of a new pump station located next to the existing PS-01 site and will be capable of handling about 4,500 gallons per minute sewage flow. Approximately 0.1 acre of land will be acquired to construct the following proposed structures:

- Underground concrete wetwell housing five submersible pumps
- Underground concrete valve chamber and associated piping and instruments
- Overhead bridge crane system for pumps and valve retrieval
- Standby diesel generator
- Electrical and Control Panels
- Site lighting and surveillance System
- Gravel Driveway

The proposed improvements will be housed inside a 12ft. high security enclosure to secure the site, to improve the aesthetics and to minimize the visual impacts to the neighborhood. Once the new pump station is constructed and commissioned successfully, existing pump station structures will be demolished and the entire site will be restored.

Woodward Way Pump Station #1 Improvements for GDOT Project, cont'd.

COMMUNITY IMPACT:	Woodward Way NW
NPU(s):	C
COUNCIL DISTRICT:	8
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