



Abrams Park Pump Station Replacement (CIP 3-501A)

Location: Ridgefield

Number: 27-2019-0082

GL Number: 407-100-189-00-01-12

Project Risk Score: 85

Phase: Design

Project Manager: Katie Hall

GSP Basin: Abrams – 3-501

Capital Improvement Project

General Facilities

Local Agency Partnership

Septic Elimination Program

Developer Reimbursement Program

Restoration & Replacement Project

Restoration & Replacement – Gravity

Restoration & Replacement – PS & FM

Restoration & Replacement – Local Agency Partnership

Project Definition:

Background. This pump station is a vacuum-primed package pump station that was installed in 1987. The pump station serves the Abrams Park restrooms, kitchen shelter, and three residences located north of the park. A pump station condition and criticality assessment scored the project 75 out of 100 due to its poor condition, poor reliability, and high consequence of failure given its proximity to Gee Creek. This station has reached the end of its useful life and is recommended for replacement.

In recent years, one of the two vacuum-primed pumps lost its ability to self-prime. The District replaced it with a grinder pump, which has been operating successfully. Project efforts will focus on installing a redundant grinder pump and improving wet well access. Construction of the Ridgefield Outdoor Recreation Complex has reduced the load on Abrams Park, allowing for a streamlined replacement.

Objective. Refurbish the facility to improve pumping reliability and access.

Scope of Work. Remove the existing equipment, replace the existing vacuum primed pump with a grinder pump, and replace the wet well cover with a lid that improves access. Connect to the existing 4-inch force main.

Project Statistics. Force main – no impact.

Pump Station – grinder pump with 50 gpm capacity. New wet well cover and hatch.

Photos: (Map of area on the reverse side)

Budget Information:

<u>Project Cost Estimate:</u>	
Total Project Cost:	\$352,000
Construction Cost:	\$220,000
Basis of Estimate:	Design
Date of Estimate:	Sept. 2024

Schedule Information:

<u>Activity</u>	<u>Year</u>
Pre-design	2020
Permitting	2020-2024
Real Property/ROW	2020-2024
Design	2020-2025
Bid	2025
Construction	2025

