



Plantation Pump Station Replacement (CIP 2-1001A)

Location: Central

Number: 26-2015-0095

GL Number: TBD

Phase: Planning

Project Manager: TBD

GSP Basin: Knoll Ridge – 2-1001

Capital Improvement Project ☐

General Facilities ☐

District Installed Infrastructure ☐

Septic Elimination Program ☐

Developer Reimbursement Program ☐

Fleet & Facilities ☐

Restoration & Replacement Project ☒

Restoration & Replacement - Gravity ☐

Restoration & Replacement – PS & FM ☒

Restoration & Replacement – Fleet & Facilities ☐

Project Definition:

Background. The existing Plantation Pump Station is a small pump station that serves seven homes located on the west side of I-5. This pump station operates as a 'lift station' that raises the sewage into a nearby gravity pipeline. In an emergency, it is possible for the effluent to overflow into the gravity sewer. The pump station is heavily corroded and is in need of repair. The District will replace this station with new pumps and control equipment.

As part of the General Sewer Plan, a pump station risk assessment was completed. Due to the pump station's ability to overflow the station into a gravity system, the criticality or consequence for the station was not significant, however the condition was very poor. Staff are unable to maintain the station and replacement of the station was deemed necessary to maintain an operable pump station.

The basin served by the pump station is already built out, so no capacity upgrade is required.

Objective. Replace the existing pump station with new grinder pumps.

Scope of Work. Replace the existing pumps. Additional scope items are TBD.

Project Statistics. Force main – no impact.

Pump Station – grinder pumps.

Photos: (Map of area on the reverse side)

Budget Information:

Project Cost Estimate:

Total Project Cost:	\$450,000
Construction Cost:	\$360,000
Basis of Estimate:	Planning
Date of Estimate:	Sept. 2023

Schedule Information:

<u>Activity</u>	<u>Year</u>
Predesign	2024
Permitting	2024
Real Property/ROW	2024
Design	2024
Bid	2026
Construction	2026

