



Oro-Vega Pump Station Replacement (CIP 2-601A)

Location: Central

Number: 26-2014-0011

GL Number: 407-000-189-00-01-22

Phase: Design

Project Manager: TBD

GSP Basin: Oro-Vega West – 2-601

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 Oro-Vega pump station was constructed as a steel-can drywell type pump station in 1991 where the pumps and valves are located in a pre-fabricated steel cylinder with a reduced diameter “conning tower” to the surface. Since the pump station was constructed, entry into the pump station is now classified as “confined space” entry.

As part of the General Sewer Plan, a pump station risk assessment was completed that assigned a risk profile score of 1.3, making it the 6th highest ranking pump station. Based on the condition of the pump station, risk profile score, and safety concerns, the General Sewer Plan recommended this pump station be replaced. An updated assessment was completed in 2022 that resulted in a risk score of 1.5, reflecting an increase in risk.

Objective. Replace the existing pump station to meet current District standards to increase safety and reliability, while decreasing maintenance risks/costs.

Scope of Work. Install a new top slab on the wetwell, new vault(s) and associated force main, a new electrical generator, new electrical and control equipment and a new shelter.

Project Statistics. Force main – 80 feet of 8-inch force main.

Pump Station – 10 hp duplex submersible pumps for 500 gpm; three phase electrical service; diesel generator; control kiosk.

Photos: (Map of area on the reverse side)

Budget Information:

Project Cost Estimate:

Total Project Cost:	\$1,240,000
Construction Cost:	\$1,000,000
Basis of Estimate:	Design
Date of Estimate:	Sept. 2023

Schedule Information:

<u>Activity</u>	<u>Year</u>
Predesign	2013-2027
Permitting	2014-2027
Real Property/ROW	2014-2027
Design	2014-2027
Bid	2028
Construction	2028



Clark Regional Wastewater District

Ten-Year Capital Program Capital Project Profile

