



Marina Pump Station Upgrade and Force Main (CIP 3-203A)

Location: Ridgefield

Number: TBD

GL Number: TBD

Phase: Planning

Project Manager: TBD

GSP Basin: Marina - 3-203

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. One of the critical elements in the decommissioning of the Ridgefield Wastewater Treatment Plant (RTP) is directing the Marina Pump Station flow toward the Gee Creek Pump Station and its eventual conveyance to the Discovery Corridor system. The Marina Pump Station and Force Main will be configured to direct flow to the Gee Creek Meadows Pump Station. The existing Marina Pump Station wet well was installed with the anticipation of this modification and consequently does not need to be upsized. The proposed Marina Force Main will tie into the existing Gee Creek Meadows force main that used to pump to RTP. To achieve project efficiency, portions of the force main may be constructed with the Marina Pump Station Trunk project.

The anticipated 50-year flows through this station are expected to be approximately 1,500 gpm.

Objective. Upgrade the capacity of the Marina Pump Station and Force Main to accommodate removal of treatment plant and direct flow to the Gee Creek Meadows Pump Station.

Scope of Work. Upgrade the existing pump station to increase the capacity of the pump station from 223 gpm to 1,100 gpm to accommodate 20-year projected flow to the station.

Project Statistics. Force main - 1,000 feet of 12-inch FM.

Pump station – Capacity increase from 223 gpm to 1100 gpm. Replacement of two existing pumps with larger pumps, upgrades to the electrical system.

Photos: (on the reverse side)

Budget Information:

Project Cost Estimate:

Total Project Cost:	\$3,500,000
Construction Cost:	\$2,800,000
Basis of Estimate:	Planning
Date of Estimate:	Sept. 2023

Schedule Information:

<u>Activity</u>	<u>Year</u>
Predesign	2030
Permitting	2030-2031
Real Property/ROW	2030-2031
Design	2030-2031
Bid	2032
Construction	2032

