



Mill Creek Pump Station Replacement (CIP 2-1503A)

Location: Central

Number: 26-2020-0041

GL Number: 407-000-189-00-01-70

Phase: Planning

Project Manager: Jerry Barnett

GSP Basin: Mill Creek East – 2-1503

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: After the Mill Creek Pump Station was constructed in 1996, a major storm event caused the neighboring creek to rise and flood the wetwell. After the flooding occurred, a flood wall was built on top of the existing concrete pad around the pump station. In a subsequent flooding event, the wetwell was flooded by creek water that entered between the concrete floor slab and the wall.

A pump station risk assessment was completed in 2022 that resulted in a risk score of 1.1, making it the 8th highest ranking pump station. A follow-on assessment increased the priority of the station due to its poor condition, poor reliability, challenging site access, and high consequence of failure given its proximity to Mill Creek.

A new development project in the pump station basin was approved for construction. This project is expected to increase development activity in the basin that would trigger the need to upsize the existing pump station.

Based on the pump station risk, history of flooding, and development interest, the pump station is recommended for a site siting analysis, replacement and a capacity increase. Installation of the larger pumps may be delayed depending on development project progress.

Objective. Confirm location of pump station. Replace pump station to increase reliability and monitoring capabilities. Upsize elements of the pump station to accommodate larger pumps.

Scope of Work. TBD

Project Statistics. TBD.

Photos: (Map of area on the reverse side)



Clark Regional Wastewater District

Ten-Year Capital Program Capital Project Profile

Budget Information:

Project Cost Estimate:

Total Project Cost:	\$2,115,000
Construction Cost:	\$1,700,000
Basis of Estimate:	Planning
Date of Estimate:	Sept. 2023

Schedule Information:

<u>Activity</u>	<u>Year</u>
Predesign	2020-2024
Permitting	2023-2026
Real Property/ROW	NA
Design	2023-2026
Bid	2027
Construction	2027

