PINEY POINT WWPS AND WPS UPGRADES

Background

The Piney Point Wastewater Pump Station (WWPS) was originally constructed in 1987 and is in need of major upgrades and rehabilitation. The station is near capacity (0.15 mgd) and sewer service in the area could become limited for future development. As such, to avoid the possible imposition of a sewer connection moratorium in the Piney Point Town Center and on St. George Island, upgrades to this facility are essential. Due to its location in the critical area, additional measures are required to prevent failure and system overflows. In 2012, MetCom contracted with CH2M to design the Piney Point WWPS upgrades and provide services during construction. In 2013, the design had progressed and was delayed due to land acquisition issues. With the land acquisition and driveway access issues now resolved, the project may now proceed.

It should be noted that in 2022, the Board approved a temporary hold on the finalization of design in order to perform a feasibility study to determine the benefits of converting this WWPS into a treatment facility. The feasibility study was completed in October 2022 and determined that "*Considering the large difference in life cycle cost (~50% greater for the WRF and the relatively minor capacity gained at Marlay-Taylor WRF from the construction of a WRF, Jacobs recommends the WWPS as both the more economical and practical option."*

The Piney Point Water Station (WPS), which is co-located with the WWPS, was originally constructed in the 1940's and the station and components are beyond the end their useful service life of 50 years. This project will replace necessary building components and provides for the installation of new piping, relocation of the existing 30,000-gallon storage tank, and installation of a new 20,000-gallon hydropneumatic tank to provide adequate service to the community. The land acquisition phase has been completed.

Project Scope of Work

The scope of work for the WWPS includes but is not limited to the rehabilitation of the existing wet well, replacement of the pumping system, replacement of the equalization tank, new grit removal system, new odor control system, and new generator. The new influent pump station will be designed to accommodate 1.6 million gallons per day, based on the projected peak wet weather flow, as recommended in the recently completed Water and Sewer Facilities Plan update. The existing 18,000-gallon equalization tank will be replaced with a new 380,000-gallon equalization tank to accommodate the increased flow.

The scope of work for the WPS includes new piping from the existing water station to the new site, replacement of the existing control building, new booster pumping system, new

hydropneumatic tank and chlorination system. These upgrades are planned to be constructed in conjunction with the Piney Point Wastewater Pump Station Upgrade Project.

Customer Impact

Traffic:

Residents in the area should expect minimal traffic impacts. Please speak with our on-site construction inspector or call the project manager below with any traffic concerns.

Water Service:

Residents in the area should expect no impacts to water service during construction.

Sewer Service:

Residents in the area who are served by public sewer should expect minimal to no interruptions to sewer service during construction. Customers will be notified prior to any shutdowns.

Schedule

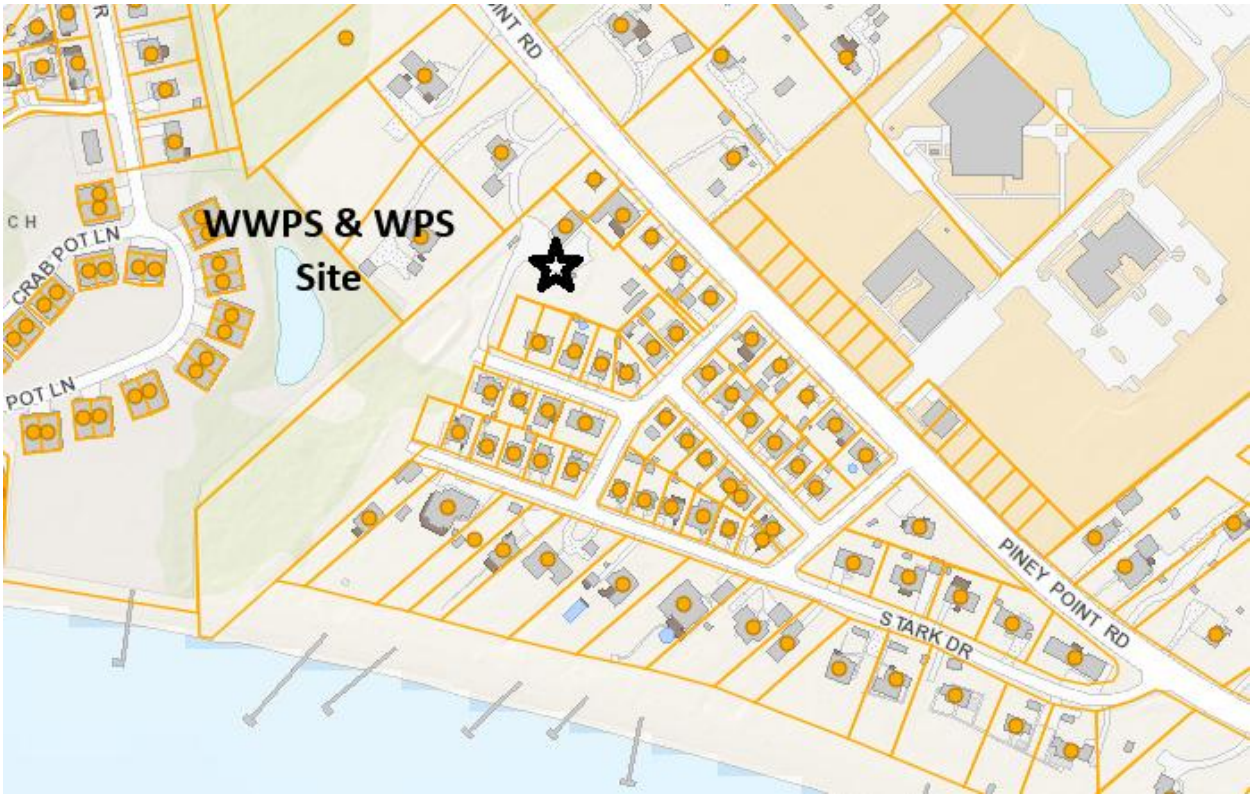
Design: Re-boot Design contract was awarded to Jacobs in March 2023.

Construction: Construction contract solicitation is expected to be advertised Winter 2026 with construction expected to begin in the Spring. Construction duration is approximately 2 years.

Public Notices

Public Meeting: A public informational workshop will be held in the early Summer of 2025. Please keep an eye out for additional regarding this workshop on our website/Facebook page.

Project Location



Project Contacts

Anna Wells, PE – METCOM Project Manager: (301) 737 – 7400 x 303

(Please email any questions or concerns to awells@metcom.org)

Ronald Delahay – METCOM On-site Representative: (240) 298 – 0074

Chris Soussanin – METCOM Chief of Construction: (301) 737 – 7400 x 311

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