



WEST WATER PLANT REPLACEMENT

PROJECT DESCRIPTION

The West Water Plant was originally built in the 1970s and consists of a precast concrete tank and pump station. The 1-MG ground storage tank is in need of both interior and exterior repairs. The pump station is a concrete block building that houses four 50-hp split-case centrifugal pumps and electrical equipment. Pump discharge piping was observed to be severely corroded in several locations. The building is weathered, and cracks were observed in several locations on the exterior. The building has a chlorine room that holds 150-lb cylinders for occasions when additional disinfection is warranted. In the event of a loss of electrical power, one pump has a natural gas-fired engine, and there is a 150 kW natural gas-fired emergency generator to provide backup power. Old, abandoned equipment and piping are located throughout the site.

The intent of this grant project will be to replace the plant building and remove old facilities that are no longer required for operation. The concrete ground storage tank will remain and be rehabilitated in a separate project.

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CHALLENGES

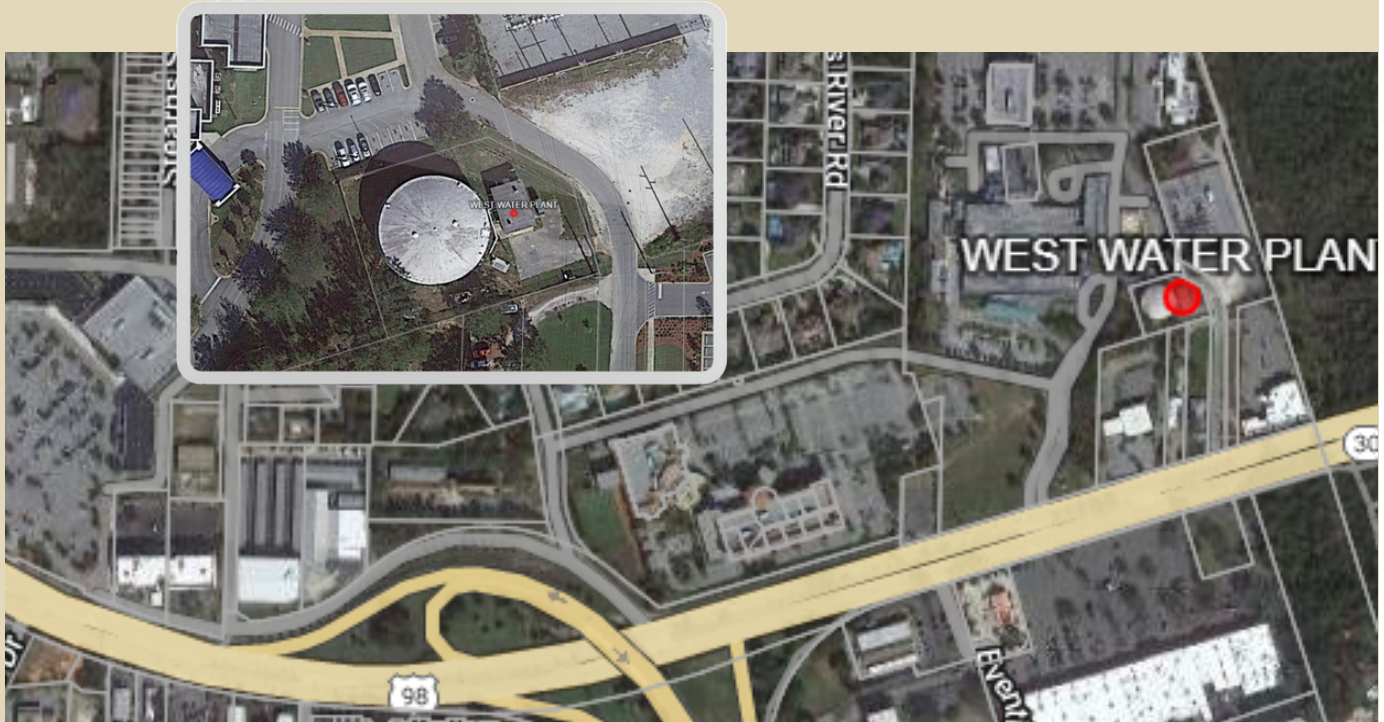
The age of the facility and the less stringent design requirements of the 1970s create a facility vulnerable to severe hurricane damage. The facility did experience wall damage during Hurricane Ivan in 2004. The design of the internal piping makes replacement of the piping nearly impossible without removing the plant completely from service.

COSTS

The project is expected to cost \$1,500,000 to install a replacement prefabricated water pumping facility and demolition of the existing facility. This excludes design and construction administration services being provided separately.



PLEASE PROVIDE PUBLIC COMMENTS TO: DevelopmentServices@gulfbreezefl.gov





The City of Gulf Breeze Seeks Public Input for Rebuild Florida Hurricane Sally Infrastructure Repair Program Grant Applications

PLEASE PROVIDE PUBLIC COMMENTS TO BY APRIL 1ST:
DevelopmentServices@gulfbreezefl.gov

**DETAILS FOR THE THREE PROJECTS LISTED BELOW
ARE INCLUDED FOR REVIEW:**

WEST WATER PLANT REPLACEMENT

GANGES TRAIL & MADURA ROAD SEWER LIFT STATION

GRASSY POINT SEWER LIFT STATION



Division of Gulf Breeze Public Works Department

