



MONROE COUNTY WATER AUTHORITY

PROJECT INFORMATION BULLETIN

Walker Road Water Storage Tank



Eng. No.: 20-016

October 2023

Background

MCWA frequently invests in various capital improvement projects to upgrade and enhance the current water treatment and transmission system. This year's capital improvement project includes the construction of the **Walker Road Water Storage Tank** in the Town of Pavilion at the former Village of Leroy Water Treatment Plant site. The new water storage tank will improve system pressures, replace existing aging infrastructure, and provide additional storage capacity for future system expansion.

Project Details

This project includes the construction of a new 1.63 million gallon prestressed precast concrete water storage tank. An onsite accessory building will house a disinfection by-product system used to circulate the tank water while maintaining high water quality. New water main will be installed on site to connect the tank to the water system.

Work Details

Tank construction work generally consists of four phases as described below:

1. Site preparation
2. Tank construction
3. Utility installation
4. Final restoration

The first phase of work is **site preparation**. The contractor will start by clearing trees and removing brush to allow for grading of the site. A construction access road will be installed to extend the existing driveway to the new tank location. Erosion control measures will be installed and kept in place for the duration of the project. The tank foundation will then be prepared prior to tank construction beginning.

After the site has been prepared, **tank construction** will begin. First the reinforced concrete floor is poured. After the floor is cured, concrete wall and roof panels are formed on site and assembled in place. Steel reinforcing bands are wrapped around the walls to provide prestressing strength and then covered in a shotcrete coating to protect the steel and provide a finished appearance.

Once the tank is assembled, site **utility installation** can begin. New water main will be installed that connects the new storage tank to the existing water main. The water main is pressure tested and the tank is checked for leaks. If any leaks are found, they are corrected. Then the water main and tank are flushed out and disinfected. After disinfection, the water main and tank are flushed again and water samples are taken for bacteriological testing by the Department of Health. Once all test results have passed, the tank can be placed in service.

A new electrical service will be installed to the tank site and electrical work will be completed inside the accessory building for the disinfection by-product system.

Final restoration work completes the project. The site is fine graded and disturbed areas are seeded. Any temporary erosion control measures and refuse are removed. Security fencing will be installed around the perimeter of the tank and the access road to the tank will be paved.

Schedule

The Contractor is scheduled to mobilize equipment and start preparing the site at the end of November 2023. Work will be pause for the winter months and resume in March 2024. All work is expected to be complete by December 2024. The work will occur during normal work day hours.

Questions

You can contact our Customer Service department at (585) 442-7200 weekdays from 8:30 am to 4:30 pm, or our Dispatcher at (585) 442-2009 weekdays before 8:30 and after 4:30 pm, and on weekends and holidays. We will have a Water Authority inspector onsite throughout construction. Our inspectors carry an ID card and drive a vehicle with a Water Authority logo on it. They are happy to answer any questions you may have.

LOCATION MAP



NOT TO SCALE