



WORKSHOP ITEM

UTILITIES INFRASTRUCTURE CONSTRUCTION PROGRAM

FUTURE WATER PLANT OPERATIONS

Prepared by Public Works Department

5/13/2024

Water Plant and New Storage Tank – Site Evaluation

Funding from the FDEP SRF Grant for drinking water in the amount of \$14.5M , will allow the Town to rebuild the water plant with new equipment and controls. In addition, the funding will allow the construction of a new 500,000 gallon ground storage tank, and replace old water mains throughout the town.

Funding is also available with the CDBG-MIT \$5.9 Million grant that the Town received in 2022 and will be added to the SRF funds to construct these improvements.

The new storage tank will accommodate for projected population growth. However, its size may exceed the size of the existing water plant site on 11 Mosely.

This report will evaluate the land use options for the water plant and water storage expansion.

OPTIONS:

- 1) Relocate all water plant and storage operations to the well site adjacent to Lake Bell.
- 2) Keep the water operations on the existing site. Build a new water operations building (2 story). Install a new above ground water storage tank, but with a higher profile. Demolish existing barn and move PW operations and storage to the west storage tank yard.

OPTION 1

Advantages:

- 1) The well, water plant and storage operations will be on a single site allowing activities will be centralized.
- 2) The new plant can be constructed without interfering with ongoing plant operations.
- 3) The existing water plant site can be repurposed for a higher use.
- 4) Funding from the grant will accommodate a landscape, hardscape and fencing package that would provide extensive buffering from the storage tank. This would also allow for a redesign and modernization of the park area outside the Denton Johnson Community Center. The prototype for this solution is the Town of Oakland water treatment facility. See Exhibit 1.



SITE VISIT

The Public Works Department will organize a second site visit to the Town of Oakland's water plant and park, to visualize a potential use in the Town of Eatonville.

FRIDAY MAY 31, 2024 at 1pm

(No Transportation Provided)

OPTION 2

Advantages:

- 1) The new water plant building on the existing site, can be designed to an aesthetic that will enhance the surrounding area. Photos below show a new utility plant in downtown Orlando designed to fit into the neighborhood.

Disadvantages:

- 1) The new water plant and water storage tank on the existing site will further industrialize the historic area of Eatonville.



EXHIBIT 1 – WATER PLANT AT LAKE BELL

The exhibit below, prepared by the EPA Technical Assistance R2P2 consultants, shows how a water plant can be incorporated into the existing recreation site. The exhibit also shows how this work will include a park enhancement, an outdoor venue and passive park and greater visibility of Lake Bell with trails and boardwalk.

