

Bluffton Parkway Water Main and Water Tank Project Update

Town of Bluffton Workshop

April 20, 2021

Project Objectives

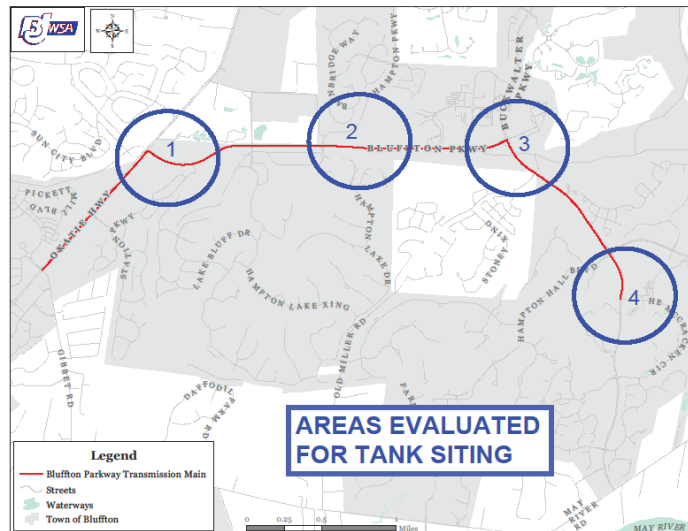
- Improve flow of water in growing area
- Provide storage requirements for SCDHEC and emergencies
- Elevated Storage Tank (EST) have less operational costs and are a more reliable supply of drinking water

Tank Site Selection Criteria

- Zoning
- Ground elevation
- Tank visibility
- Potential other uses for property
- Hydraulic performance
- Ability to acquire site
- Environmental concerns
- Availability of utilities

Tank Site Evaluation (Ranking 0-20)

- Area 1: 12
- Area 2: 12
- Area 3: 18
- Area 4: 11



Project Overview/Direction

- New 24" water main on east side of Okatie Highway from Gibbet to Bluffton Parkway
- Tie to existing 24" water main on west side of Okatie Highway near Bull Hill Plantation Road
- New 36" water main along south side of Bluffton Parkway from Okatie Highway to Buckwalter Parkway
- Tie to existing 16" water main in Buckwalter Parkway
- New 1.5 million-gallon composite-style EST to be sited in Area 3

Potential Project Impacts

- Lane closures along Okatie Highway, Bluffton Parkway, and Buckwalter Parkway
- Minimal tree clearing and wetlands impacts
- Proposed Bluffton Parkway Extension considered during design
- Discussions with property owners within Area 3 to minimize impact to future developments

Next Steps

- Concurrence with Town of Bluffton regarding project direction
- Begin stakeholder outreach
- Incorporate comments into the design
- Permitting
- Finalize the design
- Construction

Anticipated Construction Schedule

- Water Main: September 2021 – July 2022
- EST: December 2021 – March 2023