



BRUNSWICK-GLYNN COUNTY JOINT WATER AND SEWER COMMISSION

PUMP STATION NO. 2032 REGIONAL FORCEMAIN IMPROVEMENTS

Public Information Meeting

Sea Palms Resort

Wednesday, September 7, 2016

6:00 to 8:00 p.m.

BACKGROUND:

Need for the project:

- Inability of LS2032 to support existing sewer customers and inflow & infiltration.
 - LS2032 serves Sea Palms West and everything north of S. Harrington Road.
- The existing forcemain from LS2032 is 8-inch diameter which is too small to support the flow LS2032 needs to pump.
- The existing forcemain also has other lift stations connected which cannot pump against LS2032 when all stations are operating (peak conditions and rain events).
- These conditions increase the probability of Sewer System Overflows (SSOs) and impacts to public health and safety.

Benefits of the project:

- LS2032 will be able to provide adequate sewer service capacity to handle the existing sewer customers and inflow & infiltration which will significantly reduce the potential for SSOs.
- No additional forcemain installations will be necessary from LS2032 for a period of up to 40-years.
- The proposed forcemain will provide capacity for growth and development in the service area when coupled with lift station improvements.

PROJECT SCOPE: Construction of dedicated 16-inch forcemain for discharge from LS2032 to Dunbar Creek WPCP.

Project Route:

- 9100 linear feet along Frederica Road from N. Harrington Road to Palmetto Street.
 - Forcemain will be extended to N. Harrington Road to allow for connection from potential future Regional Lift Station.
- 3000 linear feet along Palmetto Street to Dunbar Creek WPCP.

Construction Method:

- Maximize use of horizontal directional drill (HDD) along Frederica Road and Palmetto Street

- Primarily underground – trenchless – construction
- Length between open excavation areas approximately 1000 to 1500 ft
- Above ground activities
 - Drill rig, piping string, fusing machine and operations
- Staged drill rig sites and pipe strings to minimize closure of side streets, subdivision entrances, and driveways
- Place proposed forcemain alignment up near ROW/Property line to minimize impacts to traffic along Frederica Road which would affect business, schools, tourism, etc.

PROJECT SCHEDULE: Design Finalized; Bid Advertisement: October 2016

Contract Awarded: December 2016

Construction:

- Start of Construction: January 2017
- Completion: July 2017
- Phasing of Construction:
 - Frederica Road – anticipated January through March 2017
 - Palmetto Street and Final Restoration – April to July 2017