

Pump Station 2032 Project Briefing Update 8 – April 26, 2017

The details below outline the project referred to as PS2032, which is located in the area between North Harrington Road and Palmetto Street on Frederica Road, on the northern half of St Simons Island. This wastewater force main basin serves approximately 3,400 customers north of and including Sea Palms West. This improvement is required in order to continue serving this existing customer base and also prepare the way for future growth.

Update 8

Completion of tie-ins and start of restoration of construction work areas in the right-of-way of Frederica Road and Palmetto Street.

- Force main tie-in at Palmetto Street near Frederica Road intersection on north side of Palmetto Street right-of-way. – Minor traffic impacts with trucks entering and leaving.
- Force main tie-in at Water Pollution Control Plant (WPCP) and WPCP rehabilitation. – Minor traffic impacts of trucks entering and leaving WPCP entrance at Palmetto Street and 6th Ave.
- Restoration of construction areas in the right-of-way of Frederica Road and Palmetto Street. – Minor traffic impacts with trucks entering and leaving.
- Temporary bike/pedestrian paths installed with bike/pedestrian detour signs as necessary at several sites on path east of Frederica Road. Temporary path and path detour signs will be removed when restoration of each construction area is complete.

The information below will remain unchanged for each update:

For the safety of pedestrians and crew members, please avoid approaching workers that are actively engaged in the construction process. BGJWSC staff will be making this information available in a handout form using brochure holders beginning in the middle of next week, or as soon as the displays arrive. Those holders will be spaced out along the available walking path and in adjacent business areas, such as Circle K, Benny's Red Barn, Sea Palms Resort office, our construction staging area (at the corner of Palmetto and Frederica), and other locations along the route.

What

Construction of a dedicated 16-inch force main for wastewater discharge. The 16-inch pipe will have a 14-inch inside diameter and will replace the current 8-inch force main that has exceeded design capacity. This 8-inch line has been in constant use for over 30 years.

The method of construction is 'trenchless' in which all pipe installation will be completed through horizontal drilling technology to avoid open trenches and road closures. While this will result in a greater project cost, this method is preferred in order to minimize the inconvenience to the community and protect the tree canopy.

Through BGJWSC efforts at obtaining the use of property adjacent to the project for staging equipment and materials, Palmetto St will have no more than a partial lane closure during limited periods of the project. Traffic control will be present, where necessary, throughout the project.

Where

Frederica Road areas affected during project:

(Dates are estimates, exact dates will be determined when construction begins)

S. Harrington Road: closed for two 12 to 24-hr windows during pipe pullback

Should occur end of January

Palmetto Street: no more than one lane closed at the intersection with Frederica Road.

Should occur end of March to end of April

3rd and 4th Ave: Through traffic closed

Should occur 18 days in April

West of 6th Avenue: one lane closure

Should occur 18 days in April

Pedestrian Path Detour on Frederica Road.

Harrogate Road: Detour between North Windward Drive and Palm Drive, to be used during course of construction on Frederica Road east shoulder.

Should occur mid-February to mid-March

Palm Drive and Colonial Drive: Closure of path segments and temporary reroute of path into Sea Palms Golf Course property, to be used during course of construction on Frederica Road east shoulder.

Should occur mid-March to early April

Equipment and construction trailer will be staged at 3501 Frederica Road for the course of the project. Accommodations have been made with area businesses to avoid congestion and delays.

When

Start of Project

January 2017

Phase 1 (Frederica Road)

January-April 2017

Phase 2 (Palmetto Street)

April-June 2017

Completion of Project

July 2017

Why

The 8-inch force main is too small to support existing sewer customers. Under current conditions, the force main cannot support all the flow from the twenty contributing stations in the basin. This increases the probability of Sanitary Sewer Overflows (SSOs), which impacts the public health and safety. This project is consistent with the corrective actions as directed in compliance with an existing consent order from the Environmental Protection Division of the Georgia Department of Natural Resources that resulted from recent SSOs. BGJWSC is replacing this small, incompatible pipe with a new, larger 16-inch diameter force main pipe. A larger pipe will be able to provide adequate sewer services to the public and reduce the potential for SSOs.

This project is being funded by capital reserves at a cost of approximately \$3.4 million. No SPLOST funds will be used.

Who

This project was designed by Four Waters Engineering, Inc., will be managed by the Planning & Construction Division of the BGJWSC and construction will be performed by T.B. Landmark Construction.

TB Landmark specializes in horizontal direction drill (HDD) which a majority of the construction requires. TB Landmark has the qualifications BGJWSC has specified for this project. The anticipated construction equipment for this project may include a HDD Drilling Rig, Excavators, Vacuum/Recycling Trucks, Dump Trucks, Loading/Unloading Trucks, and HDD Mud Mix Recycler.

Contact for this project is the BGJWSC Project Manager:

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Regular project updates will be available on BGJWSC's website

<http://www.bgjwsc.org/>