

## Pump Station 2032 Project Briefing Update 2

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 2

Construction has begun. Routine updates to this briefing will be posted every two weeks following a planning meeting with BGJWSC, Glynn County and contract construction personnel. The first onsite planning meeting occurred Tuesday, January 17, 2017. Following future meetings, progress will be reported in advance to the next phase of construction.

TB Landmark's drill rig is set up in front of the Sea Palms Golf Course just south of North Windward Drive. A temporary bike path will be installed around the drill rig with special golf ball netting to protect pedestrians. Pipe will be fused in the Glynn County Right-of-Way on South Harrington Road and will be pulled underground Tuesday, January 31<sup>st</sup> or Wednesday, February 1<sup>st</sup>. South Harrington Road will be closed for the pipe pullback operation Tuesday, January 31<sup>st</sup> or Wednesday, February 1<sup>st</sup>. There will be a detour set up from N. Harrington Rd. to Harrington Lane to South Harrington Road. This closure will be approximately 12- 24 hrs. When the pipe has safely been pulled in, the road will be opened.

On Wednesday, February 1<sup>st</sup>, the drill rig will stay at the North Windward Drive location, but turn around to the south and drill the opposite way. Pipe will be fused along the pedestrian path across from Long Point Drive, 500 foot lengths. The path will be closed during the pipe pullback operation anticipated on Friday, February 3<sup>rd</sup> for through passing pedestrian traffic. This closure will be approximately 12 hrs. The detour will re-route pedestrians from Palm Drive to Harrogate Road to North Windward Dr and vice versa from south to north. It is expect to pull the pipe underground by Friday, February 3<sup>rd</sup>. When the pipe has safely been pulled in, the path will be opened.

On Monday, February 6<sup>th</sup>, the crew will move the drill rig in front of the Sea Palms Golf Course just south across from Major Wright Road. A temporary bike path will be installed around the drill rig with special golf ball netting to protect pedestrians. The path will be closed during the pipe pullback operation for approximately 12- 24 hrs for through passing pedestrian traffic from St. Clair Parkway to Dunbarton Drive. The detour will re-route pedestrians from Palm Drive to Harrogate Road to North Windward Dr and vice versa from south to north. We expect to pull this pipe underground by Friday, February 10<sup>th</sup>. When the pipe has safely been pulled in, the path will be opened.

***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

3<sup>rd</sup> and 4<sup>th</sup> Ave: Through traffic closed

Should occur 18 days in April

West of 6<sup>th</sup> 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:

Todd Kline, PE, Senior Engineer,  
Planning & Construction Division  
Brunswick-Glynn County  
Joint Water & Sewer Commission  
1703 Gloucester St  
Brunswick, GA 31520  
Office: 912.261.7126

Regular project updates will be available on BGJWSC's website  
<http://www.bgjwsc.org/>