



City of Gulf Breeze

TO: Edwin A. Eddy, City Manager

FROM: Vernon L. Prather, Director of Public Services *V.P.*

DATE: January 6, 2016

RE: Stormwater Construction Update

The City began construction of major stormwater improvements and additions in 2014. The project is jointly funded with a \$1,570,000 grant from Department of Environmental Protection and City funds. The project was originally bid at \$1,835,956 with subsequent changes adjusting the contract to \$2,867,933. The project consists of two main areas:

Southern Section:

Stormwater infrastructure was installed on portions of Camelia, Dolphin, and Florida Avenue. New electric control panels were installed for the existing two (2) Stormwater Pump Stations on Camelia. The streets were repaved after construction.

Washington Avenue: A new pump station was installed along with new stormwater inlets and the street was repaved.

The Southern Section was completed at a cost of \$1,126,855 with pump station start up on Dec. 22, 2015. This system substantially reduces the likelihood of flooding as it provides for management of ground water and the new Washington Stormwater Station has the capacity to remove an additional 2.0 million gallons per day (MGD).

Northern Section:

This project was originally designed as a pump station with a force main routed to the north with discharge to Hoffman Bayou. Further evaluation and discussion, resulted in the granting of an easement from the Santa Rosa County School Board and a redesign of the stormwater system to 30" gravity pipe with discharge southward to wetlands.

The new gravity system provides service to Dracena, Russ, Kevin, Center, and a portion of Nightingale Lane. It also serves the western portion of the school property.

The redesign and subsequent upsizing of the infrastructure, enables the Northern Section to transport up to 10 MGD which is 5 times the amount of the original design. The cost for the redesign and added construction resulted in the project increasing by \$463,000 from the original design.

The construction of the Northern Section is 65% complete. The school portion is complete and is in service at this time. The contractor is currently working in the Russ Drive area. (an area which frequently floods). The entire project is anticipated to be complete by the end of April 2016.

Please note that the new Stormwater Systems will not prevent flooding in all situations or rain events. It will however, reduce the likelihood of flooding or the severity of the flood event as compared to the same drainage basin with no infrastructure.



New Inlet/Exfiltration System

New Pump Station

Existing Pump Stations

New 12" Force Main

Southern Section

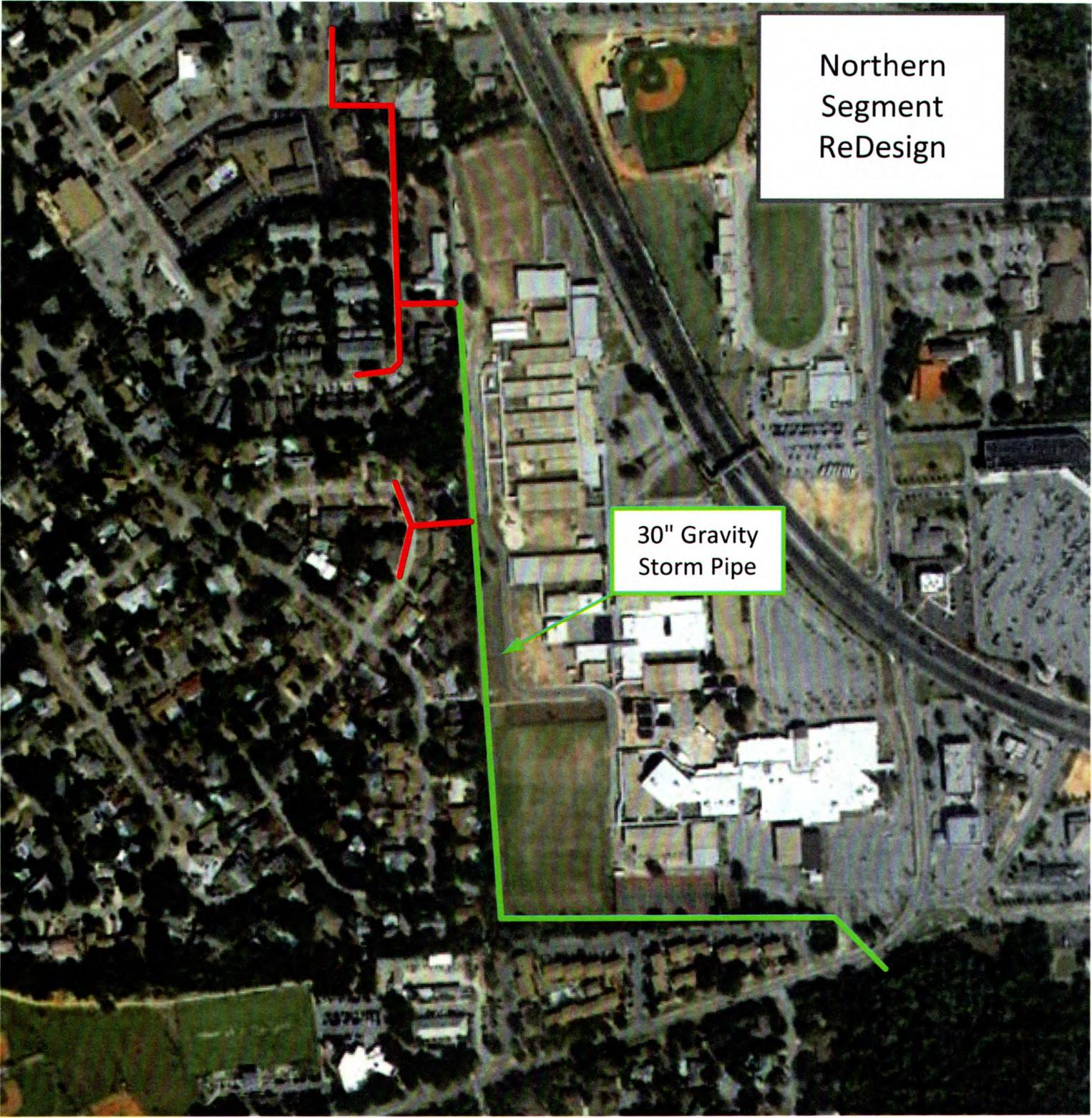
Roanoke Ct

Florida Ave

Smith Cir

W. ...

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Northern
Segment
ReDesign

30" Gravity
Storm Pipe