76th Street Drainage Improvements Scope of Services Summary

Project proposes conveyance improvements to alleviate flooding along and near S 76th St. The targeted corridor for flood protection improvements is adjacent to Clair Mel Elementary School, Dowdell Middle Magnet School, and a residential subdivision to the west of these schools. The proposed drainage system consists of 43"x68" ERCPs and various drainage structures that will maintain historical drainage route for less intense storm events (i.e., "first flush" outfalls to Delaney Creek) and provide a bypass for more intense storm events that will discharge into new outfall at Palm River. The proposed drainage system will be routed along Kingston Dr and 70th St. The proposed drainage corridor seeks to minimize adverse impacts to commercial businesses, traffic, and/or utilities, especially along Palm River Rd.



Figure 1. Proposed drainage corridor from intersection of S 76th St & Kingston Dr to Palm River.

Permits from SWFWMD, EPC, and USACE are anticipated. A water quality best management practice (BMP) will also be required to satisfy environmental agency permitting requirements with the goal of reducing pollutant loads to Delaney Creek and Palm River. The preferred BMP is an in-line treatment system that includes a treatment weir that maintains the first-flush discharge to Delaney Creek before diverting runoff to Palm River for rainfall events that have a rainfall intensity greater than 1-in/24-hr. Additional treatment systems, such as baffle boxes and treatment swales upstream of the bypass pipeline, are also to be considered.

This project's construction phase will be federally funded by the Community Development Block Grant Disaster Recovery (CDBG-DR) program managed by the U.S. Department of Housing and Urban Development (HUD). The CDBG-DR grant has a timeline to complete design & construction by May 2031. The project development & design must remain in compliance with CDBG-DR funding requirements to qualify for construction reimbursement.