

### **GIP Sample Project Description**

The Mitigation City neighborhood area is approximately 220 acres of low to moderate income residences, with its stormwater needs being served by an aging and undersized infrastructure that was installed over 50 years ago and has exceeded its useful life. Because of this, the neighborhood habitually floods during small to medium intensity storm events, causing significant disruption to pedestrian and vehicular traffic. This also damages public and private infrastructure and landscaping. These proposed improvements will ensure that the Mitigation City neighborhood will remain a thriving community during the following decades and offer additional protection against large storm events, such as hurricanes, and future sea level rise.

This project will replace the aging and undersized stormwater infrastructure, as well as construct new infrastructure systems that will help with the neighborhood's flooding issues and water quality treatment prior to being discharged into the Intracoastal Waterways. The improvements will include; 7,500 linear feet (LF) of new stormwater pipe, 26,150 LF of pipe replacement of aging and undersized infrastructure, 4,000 LF of new exfiltration trench, 7,000 LF of new swales and 3,500 square yards (SY) of permeable pavement. Lastly, the system will also include a stormwater pump-station that will be capable of draining these low-lying areas during elevated high tide events and/or projected future sea level rise scenarios.

The City is requesting \$10,500,000 in funding from the Rebuild Florida General Infrastructure Program to assist in funding this project. These grant funds will be used for the final construction design specifications and plans, construction engineering services, and construction of the stormwater improvements.

- The main construction risks associated with this project are mainly due to the urbanized location of the proposed stormwater infrastructure replacements and new installation. The system will have to be installed near residential and commercial properties, as well as other utilities. The contractor will have utilized the use of trench boxes, sheet piling and trenchless excavation techniques in order to minimize open excavation.
- Swales will be reclaimed and reshaped in order to provide additional water quality/quantity storage.
- One contractor will be selected with for this project, which will work closely with the design consultant team and City staff.
- The cost of the project was developed based on 100% construction documents and historical pricing of stormwater improvements in the region. The funding for the City portion will be done using bond funding which will be backed by the newly adopted stormwater fee.
- The Mitigation City neighborhood will see a substantial decrease in both duration and intensity of flooding.
- The stormwater infrastructure will be maintained by the City's Operations staff. The new infrastructure will be added to the cleaning schedule for maintenance twice a year.