

St. Augustine Beach Resiliency and Flood Protection - Magnolia Dunes/Atlantic Oaks Circle

News Release Date
03-14-2023

City of St. Augustine Beach Public Notice

St. Augustine Beach Resiliency and Flood Protection - Magnolia Dunes/Atlantic Oaks Circle

UPDATED 04/20/2024

BACKGROUND:

The proposed 69-acre project area is a delisted basin comprised of developed low-lying lands bounded by S.R. A1A on the west and higher developed land on the east. Several subdivisions are located within the project area, including Magnolia Dunes; Atlantic Oaks Circle; Serenity Bay; Villa Del Rey; as well as other City streets to the north and south. The newer subdivisions of Magnolia Dunes and Serenity Bay operate under environmental resource permits but lack positive outfall.

A single outfall from the 69-acre project area is at the northern end of Atlantic Oaks Circle. From this location drainage flows approximately 1.8 miles to the City's master drainage facility west of Mizell Road via an exfiltration pipe along 5th Avenue, the Mickler Boulevard ditch, and the 11th Street ditch. No drainage conveyance improvements drain the project area to the existing inlets on the north end of Atlantic Oaks Circle, which result in localized flooding during times of high groundwater and intense rainfall. The City is working to develop a drainage solution for the project area which will provide positive outfall and flood protection to residents and will account for the low-lying topography, topographic barriers, sea-level rise, and limitations of the

downstream drainage system including tailwater conditions.

CURRENT PROJECT PHASE: PRE-DESIGN STUDY

The City has completed working with Environmental Consulting & Technology, Inc. (*ECT*) which whom evaluated the watershed and is now working with Jones Edmunds to explore alternatives to mitigate flooding in these areas.

PROJECT FUNDING:

This project's current phase is funded by a grant under the Resilient Florida Program – a program administered by the Florida Department of Environmental Protection, which includes examining tidal, future high tide, storm, rainfall-induced, and compound flooding.

PROJECT CONTACTS:

For additional project information, contact the City’s Engineering Department:

Jason D. Sparks, P.E.	Derek Sands
Engineering Director	Engineering Inspector
(904) 471-2122	(904) 808-5901

UPDATED 03/15/2024

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HELPFUL LINKS:

Have a concern or request regarding City operations? Click [here](#) to access the Resident Self Service page.

Have a question regarding stormwater management and City's National Pollutant Discharge Elimination System (NPDES) Program? Click [here](#).

St. Augustine Beach Resiliency and Flood Protection - Magnolia Dunes/ Atlantic Oaks Circle - Map Project Area 929.2 KB

[View in Google Maps](#)

29.837470624925, -81.274273272099