



PROJECT PROFILE

STORMWATER FACILITY EVALUATION AND WETLAND RESTORATION DESIGN FOR SEA COLONY DEVELOPMENT ST. AUGUSTINE BEACH, FLORIDA

Key Project Elements

- Analysis of existing stormwater treatment system
- Review of original design and geotechnical information
- Assessment of drainage issues
- Wetland impact report
- Recommendations to reestablish wetlands
- Pond-bank redesign and construction
- Coordination with St. Johns River Water Management District

Owner

Sea Colony HOA

Contact

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MDG's Role

Prime engineering consultant

Status

Ongoing



Entrance to Sea Colony, an upscale residential development located at St. Augustine Beach

On behalf of the development's Homeowners' Association, Matthews Design Group (MDG) provided consulting and restoration design services for a dry retention facility situated in the dunes in the Sea Colony development. The pond showed signs of nearly 15 years of neglect and no longer functioned as designed. This unique facility not only serves as a stormwater treatment facility, but also operates under a wetland conservation easement. MDG evaluated the collection and treatment systems for all of Sea Colony before preparing a restoration design coordinated with SJRWMD to ensure the final product would meet permit conditions and reestablish the wetland. MDG oversaw pond reconstruction, and provided Sea Colony with a suitable operation and maintenance plan and training of Sea Colony personnel for the newly restored facility.