### **Board of County Commissioners**

# Shoreline Alteration/Dredge and Fill Permit Application SADF-18-07-020

Applicant: Joseph A. Siviglia

**December 18, 2018** 



#### 5536 Isleworth Country Club Drive, Windermere



Parcel ID No.: 16-23-28-3899-01-510



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## **Existing Conditions**

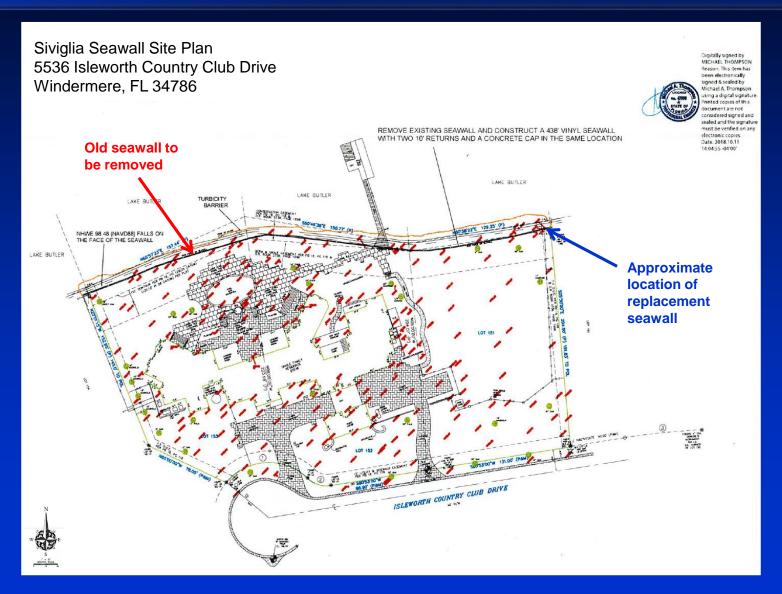




## **Existing Conditions**









#### Digitally signed by MICHAEL THOMPSON Reason: This item has been electronically signed & sealed by Michael A. Thompson using a digital signature 12" X 16" 3000 PSI CONCRETE rinted copies of this CAP W/2 #5 HORIZONTAL REBAR document are not considered signed and sealed and the signature must be verified on any electronic copies. Date: 2018.10.11 14:04:39 -04'00' 1/2" THREADED ROD W/12" MIN BEND @ DEADMEN AND NUT & 2" WASHER @ WALL 3' - 4' 3000 PSI CONCRETE 29" MAX AFTER 28 DAYS CONCRETE DEADMEN 15' O.C. 2'X2'X2' W/2 #5 E.W. NHWE 98.48 8' -12' 6" - 12" LAKE BUTLER (ATERNATIVE DEADMAN DMA-4 ANCHOR BY CMI) TURBIDITY BARRIER CMI VINYL SHEET PILE SERIES FP-475 OR SG-425 THIS STRUCTURE HAS BEEN DESIGNED TO 4' MIN IN MEET OR EXCEED THE WIND LOAD REQUIREMENTS FIRM SOIL OF THE 2017 FLORIDA BUILDING CODE RESIDENTIAL EDITION SECTION R301 DESIGN CRITERIA AND ASCE 7- 10 AND 2014 NEC. 1. BASIC WIND SPEED= 140 MPH ULTIMATE WIND SPEED (Vult) AND 116 MPH (Vasd) SIVIGLIA SEAWALL CROSS SECTION 2. CONSTRUCTION TYPE = SINGLE FAMILY RESIDENCE 5536 ISLEWORTH COUNTRY CLUB DR 3. WIND EXPOSURE = CATEGORY D WINDERMERE, FL 34786 4. RISK CATEGORY II - TABLE 1604.5



5536 Isleworth Country Club Dr. Windermere, FL 34786 Native aquatic plantings in **Cypress knee areas** select areas between the cypress knees Cypress Knees (No planting ) XXX Planting Area Seawall \*\*Plantings will consist of duck potato, pickerel weed, and bulrush, 2 ft centers.



- Project reviewed in accordance with Chapter 33, Article IV.
- The existing seawall is beginning to fail.
- The replacement seawall will be placed in the exact location of the existing seawall.
- Rip rap is not being requested for this project as it could harm the dense stand of cypress trees and associated knees that provide a natural breakwater.
- The shoreline will be enhanced by native aquatic plantings in select areas between the cypress knees.
- Notification of the public hearing was sent to property owners within 500 feet of the project site.



 Approval of Shoreline Alteration/Dredge and Fill permit request (SADF-18-07-020) for Joseph A.
Siviglia, subject to the conditions listed in the staff report. District 1