

Board of County Commissioners

**Shoreline
Alteration/Dredge and Fill Permit
Application**

SADF-16-10-012

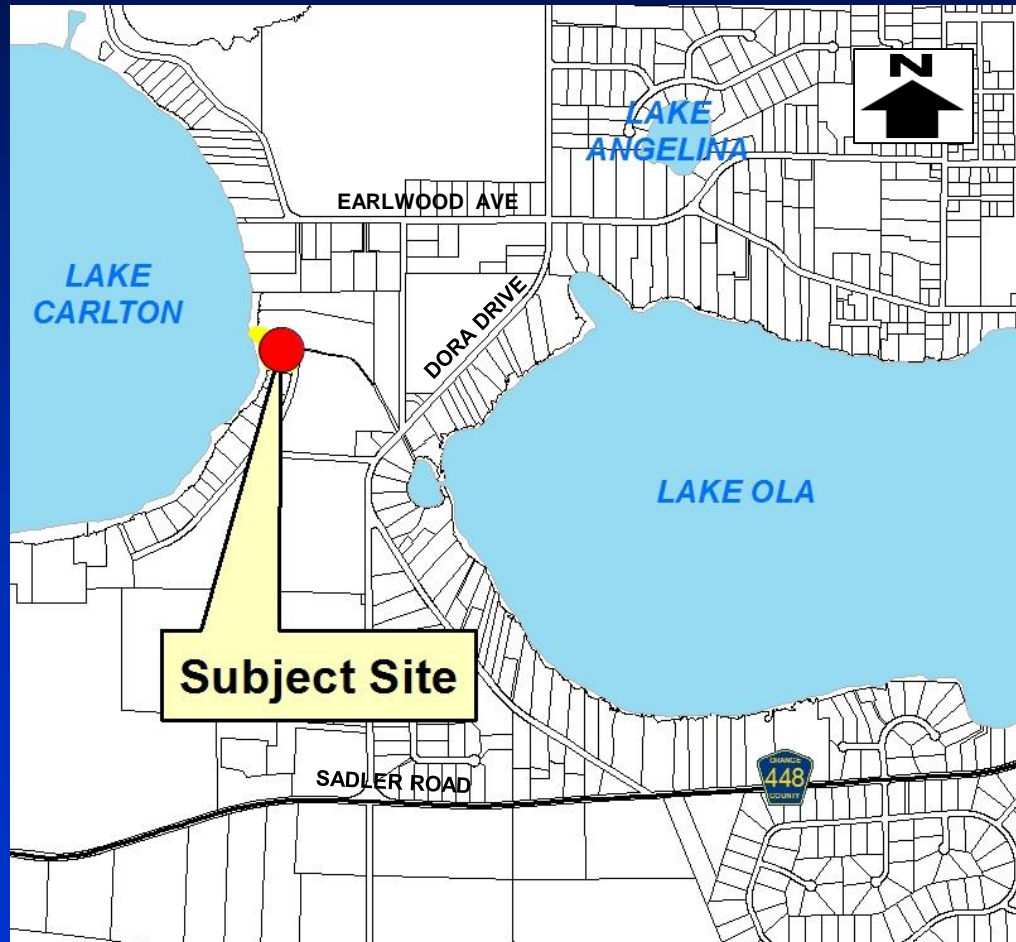
Applicant: Dorlinda & Jeffrey House

April 25, 2017



Location Map

5056 Lake Carlton Drive

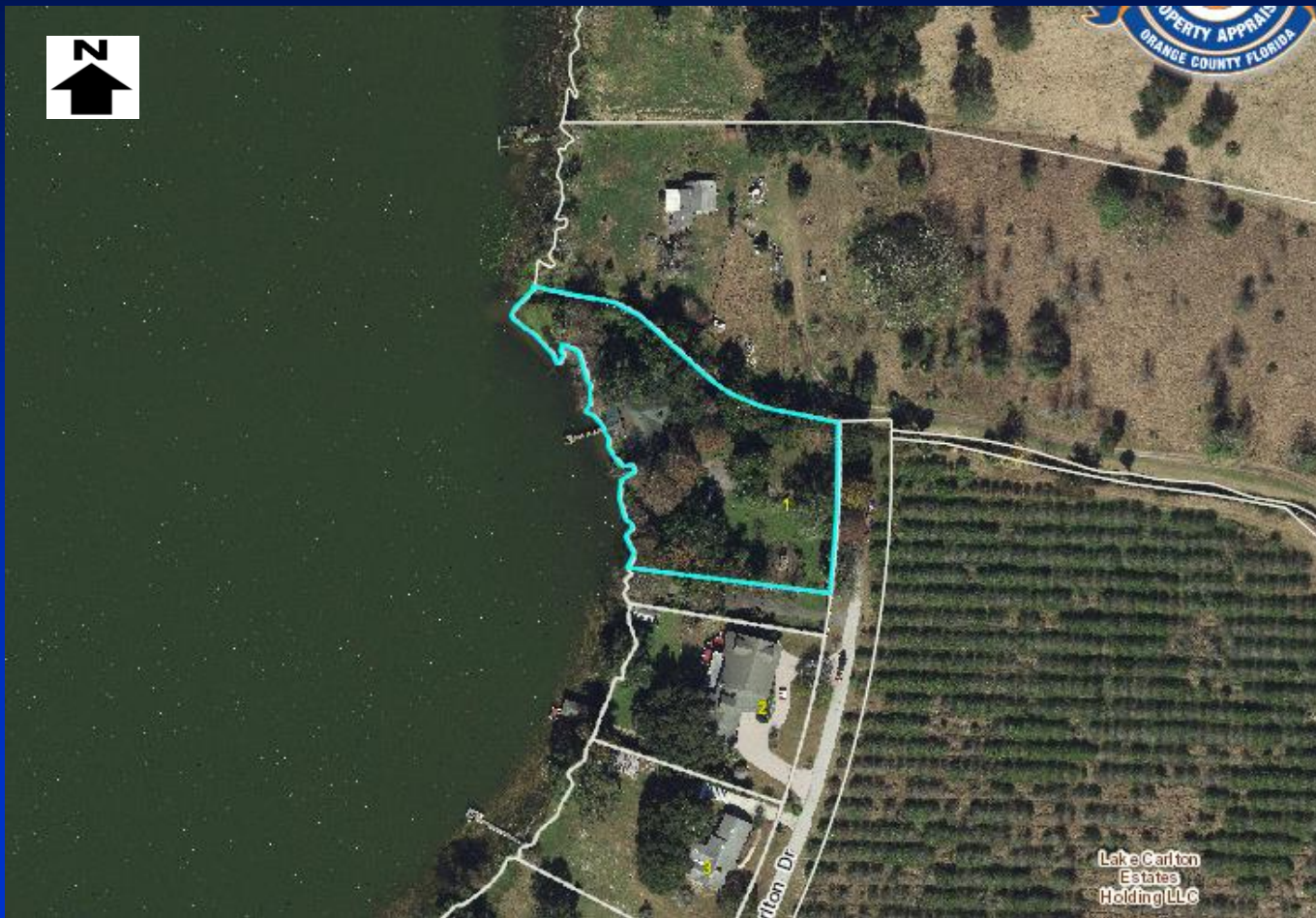


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Aerial

5056 Lake Carlton Drive



07-20-27-0000-00-034



Existing Conditions





Existing Conditions

Erosion in front of wall

Erosion behind wall



View of shoreline from existing dock looking east

Corner of pool is sinking and tilting



Existing Conditions



Crack in side of pool

Sandbags filling erosion
hole at pool corner

Erosion behind southern seawall

Looking north at pool walls

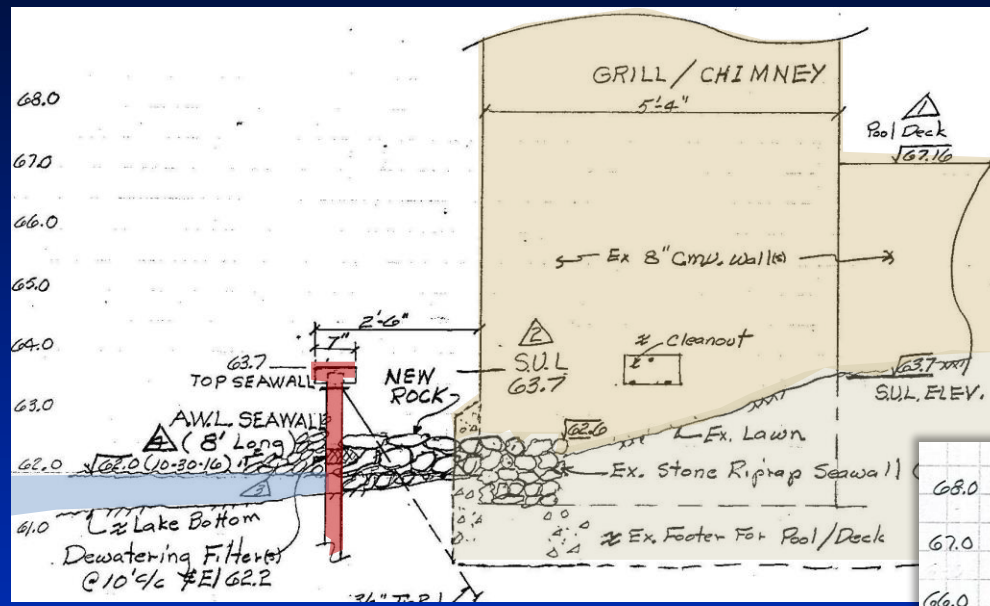


Erosion behind wall



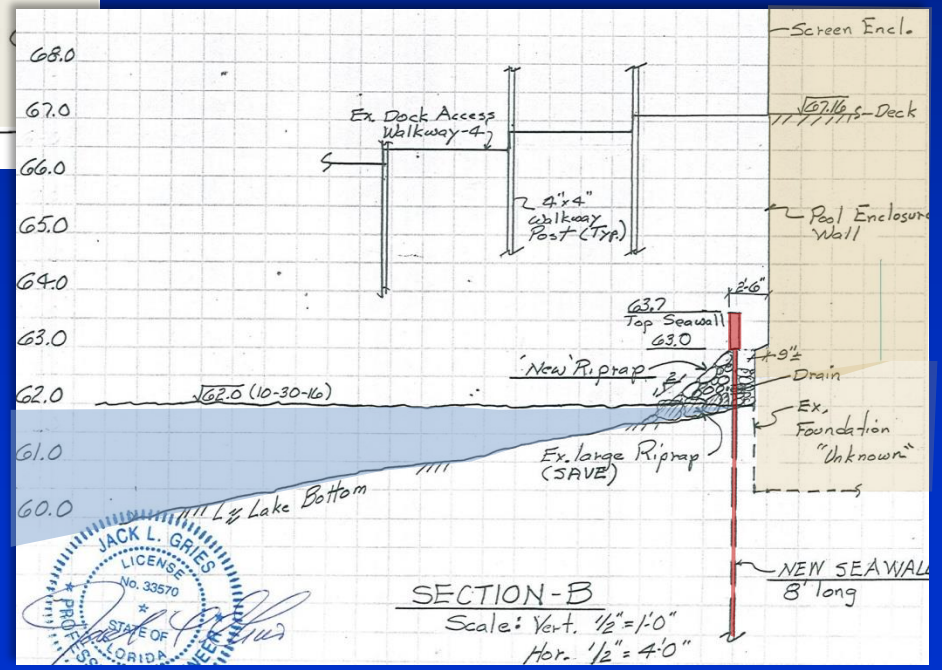


Site Plan



Cross Section at Pool Wall

Cross Section at Yard



SECTION-B
Scale: Vert. 1/2" = 1'-0"
Hor. 1/2" = 4'-0"



Examples of Rip-Rap



**New seawall with rip-rap
and native plantings**

**Rip-rap only
and native plantings**





Considerations

- The project was reviewed in accordance with Chapter 15, Article VI. Pumping and Dredging Control.
- There are not currently walls on the adjacent properties. An engineer has provided documentation that a wall is needed to abate continued structural damage.
- The existing wall structures are experiencing significant erosion causing structural damage.
- Rip-rap and plantings will be installed waterward of the new wall.



Action Requested

- **Approval of the Shoreline Alteration/Dredge and Fill Permit Application (SADF-16-10-012) for Dorlinda & Jeffrey House, subject to the conditions listed in the staff report. District 2.**