



Interoffice Memorandum

SEP26 19 12:33PM

September 20, 2019

To: Katie Smith, Manager
Comptroller Clerk's Office

Through: Cheryl Gillespie, Agenda Development Supervisor
Agenda Development

From: David D. Jones, P.E., CEP, Manager
Environmental Protection Division
(407) 836-1405

**Staff Person: Elizabeth R. Johnson, CEP, Assistant Manager
Environmental Protection Division
(407) 836-1511**

Subject: Request for Public Hearing on October 22, 2019, at 2:00 p.m., for a Shoreline Alteration/Dredge and Fill Permit Application (SADF-19-05-008) for a new seawall and placement of riprap on Lake Willis at 7114 Lake Willis Drive, Orlando, Florida 32821, Parcel ID No. 14-24-28-4800-00-180, District 1

Applicant: Lou Deberadinis Trust

Type of Hearing: Shoreline Alteration/Dredge and Fill Permit Application

Hearing required by Florida Statute # or Code: Chapter 15, Article VI, Pumping and Dredging Control

Advertising requirements: Publish once in a newspaper of general circulation in Orange County at least (7) seven days prior to public hearing.

Advertising timeframes: At least (7) seven days prior to public hearing

Abutters to be notified: The applicant and the property owners within 500 feet of the project area will be notified at least (7) seven days prior to public hearing by the Environmental Protection Division (EPD).

Lake Advisory Board to be notified: N/A

Estimated time required
For public hearing: 2 minutes

Municipality or other
Public Agency to be
notified: Florida Department of Environmental Protection–
DEP_CD@dep.state.fl.us

Hearing Controversial: No

District #: 1

Materials being submitted as backup for public hearing request:

1. Site Plan
2. Location Map

Special Instructions to Clerk:

1. Once the Board of County Commissioners makes a decision on the Shoreline Alteration/Dredge and Fill Permit Application, please submit the decision letter to Michelle Gonzalez with EPD. EPD will issue the decision to the applicant.

Advertising Language:

2. Lou Deberadinis Trust requests a permit to construct a new seawall and placement of riprap on Lake Willis pursuant to Chapter 15, Article VI, Pumping and Dredging Control. 7114 Lake Willis Drive, Orlando, Florida 32821. Parcel ID No. 14-24-28-4800-00-180; District 1. (property legal description on file).

~~TT/N/TM/ERJ/DJ/gfdjr~~: mg

Attachments

Shoreline Alteration/Dredge and Fill Permit Request



Shoreline Alteration/Dredge and Fill Permit Request

District #1

Permit No.: SADF-19-05-008

Applicant: Lou Deberandinis Trust

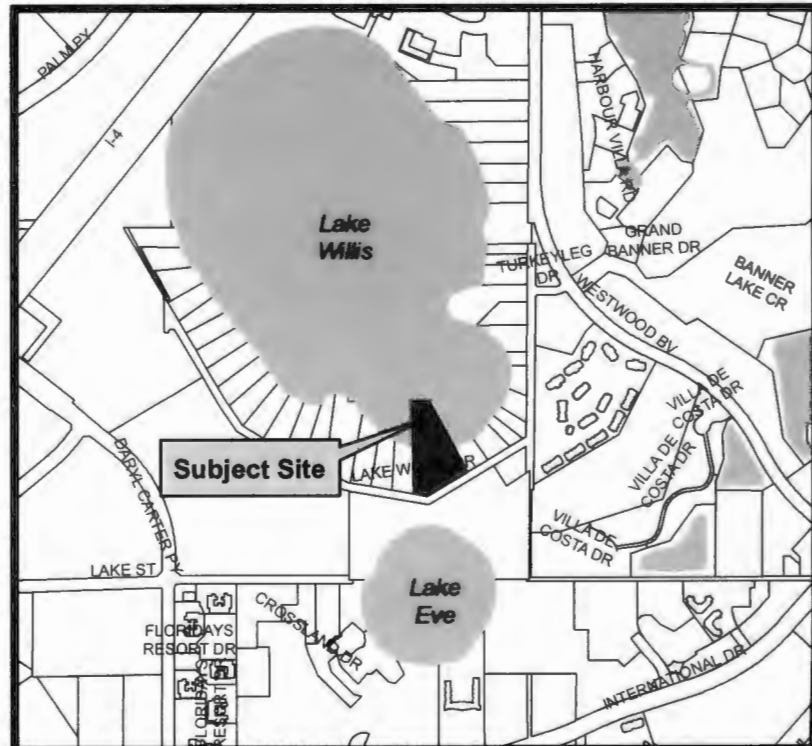
Address: 7114 Lake Willis Drive

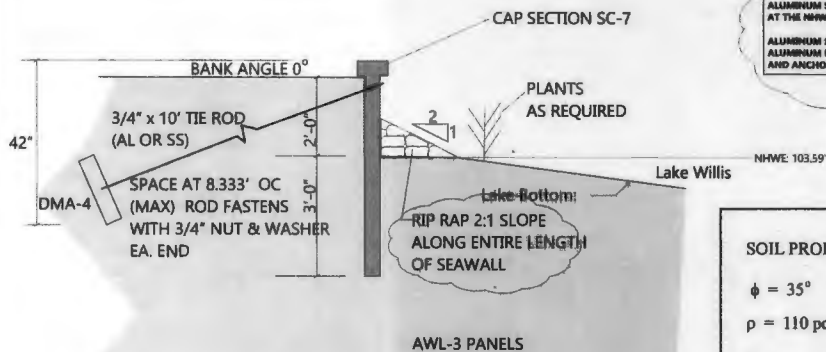
Parcel ID: 14-24-28-4800-00-180

Project Site



Property Location





ALUMINUM SEAWALL SHALL BE INSTALLED AT THE NW CORNER FOR LOTS 18 AND 19.

ALUMINUM SEAWALL IS COMPOSED OF ALUMINUM PANELS, CAP, TIE RODS AND ANCHOR PLATES WITH STAINLESS FASTENERS.

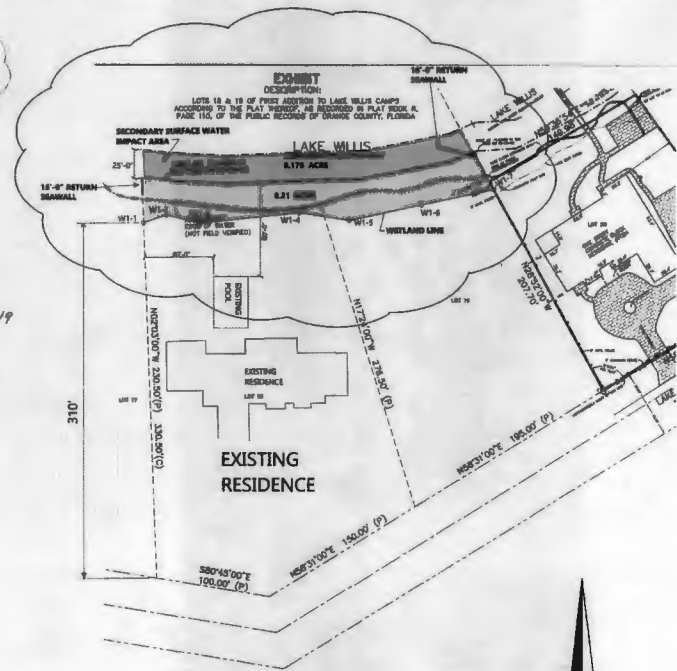
SOIL PROPERTIES:

$\phi = 35^\circ$

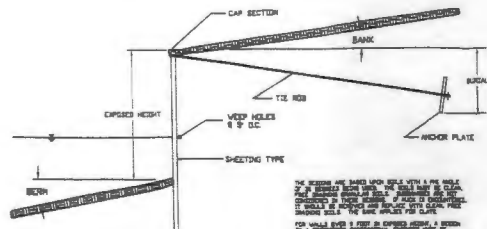
$\rho = 110 \text{ pcf}$

$C = 0$

Turbidity Barrier will be used. *SDB 7-5-19*

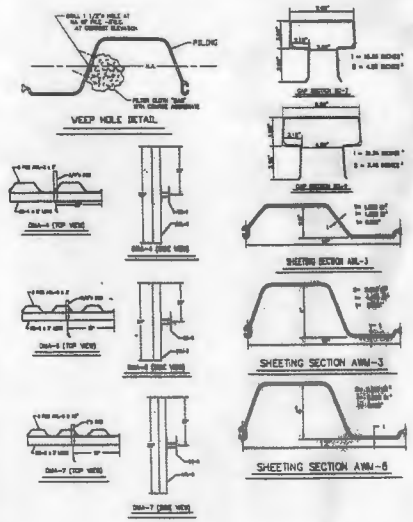


PROPOSED SEAWALL



TYPICAL DESIGN SECTION

| EXPOSED HEIGHT | BANK ANGLE | BERM ANGLE | SHEETING TYPE | SHEET LENGTH | ANCHOR ROD DIA. & LENGTH | ANCHOR PLATE TYPE & BURIAL | ANCHOR SPACING |
|----------------|------------|------------|---------------|--------------|--------------------------|----------------------------|----------------|
| 3' | 0 | 0 | AWL-3 | 3' | 3/4" 10" | DMA-4 3.5' | 8.333' |
| | 10 | 10 | AWL-3 | 6' | 3/4" 10" | DMA-4 3.5' | 8.333' |
| 4' | 0 | 0 | AWL-3 | 6' | 3/4" 10" | DMA-4 3.5' | 8.333' |
| | 10 | 10 | AWL-3 | 7' | 3/4" 10" | DMA-4 4.0' | 8.333' |
| 5' | 0 | 0 | AWL-3 | 9' | 3/4" 10" | DMA-4 4.0' | 8.333' |
| | 10 | 10 | AWL-3 | 10' | 3/4" 10" | DMA-4 4.5' | 8.333' |
| 6' | 0 | 0 | AWL-3 | 12' | 3/4" 10" | DMA-4 4.5' | 8.333' |
| | 10 | 10 | AWL-3 | 13' | 3/4" 10" | DMA-4 5.0' | 8.333' |
| 7' | 0 | 0 | AWL-3 | 15' | 3/4" 10" | DMA-4 5.0' | 8.333' |
| | 10 | 10 | AWL-3 | 16' | 3/4" 10" | DMA-4 5.5' | 8.333' |
| 8' | 0 | 0 | AWL-3 | 17' | 3/4" 10" | DMA-4 5.5' | 8.333' |
| | 10 | 10 | AWL-3 | 18' | 3/4" 10" | DMA-4 6.0' | 8.333' |
| 9' | 0 | 0 | AWL-3 | 19' | 3/4" 10" | DMA-4 6.0' | 8.333' |
| | 10 | 10 | AWL-3 | 20' | 3/4" 10" | DMA-4 6.5' | 8.333' |



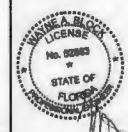
ENGINEERING MEETS OR EXCEEDS 2017 FLORIDA BUILDING CODE, 6th EDITION, CH. 16.

CONTRACTOR:
DOCK PRO
352-267-0009

SEAWALL FOR:
LOU DEBERADINIS
7114 LAKE WILLIS DRIVE
ORLANDO, FL 32821

PAGE 1 OF 1

Lifton Engineering Company, Inc.
920 Sunset Shores Dr.
Minneola, Florida 34715
(352) 304-2500 Ph. & FAX
Cert. Auth. #2698



June 27, 2019
Wayne A. Block, PE#52583

RipRAP >6" in DIAMETER
At 2:1 Slope

15' Return
Tied into
Neighbor
Retaining wall

PICKEREL WEED
BLUE IRIS PLANTED
At 2' CENTERS

10' Return

SEAWALL @ N14W E 103.59

ALLEY
18 AND 19
will be
retention

APPROXIMATE
EDGE OF WATER
(NOT FIELD VERIFIED)

10'-08"

60'-0"

EXISTING
POOL

EXISTING
RESIDENCE

LOT 18

EXISTING
RESIDENCE

LOT 17

LOT 19

N28°52'00"
207.70'

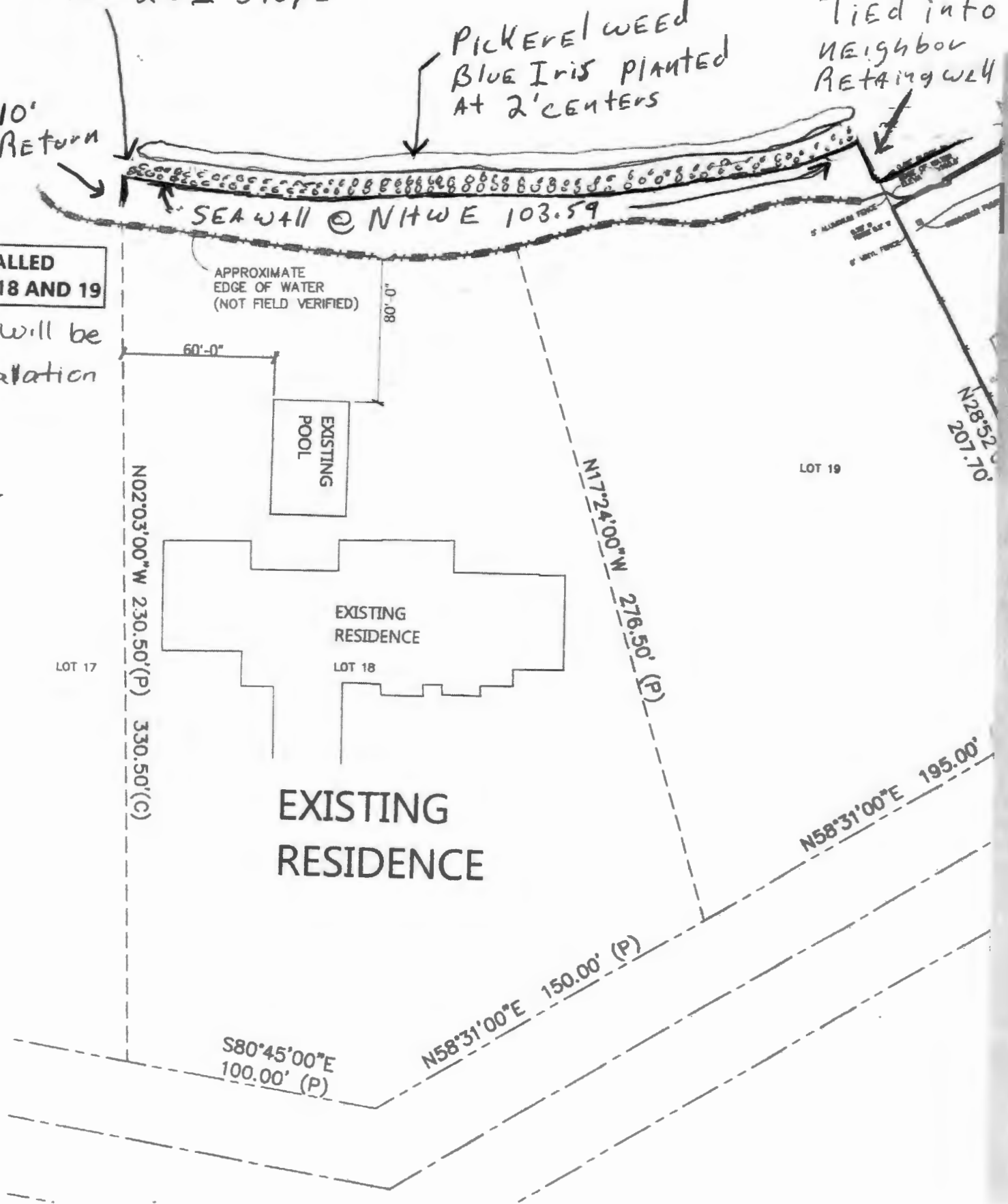
N117°24'00"W 276.50' (P)

N58°31'00"E 195.00'

N58°31'00"E 150.00' (P)

S80°45'00"E
100.00' (P)

N02°03'00"W 230.50' (P) 330.50' (C)



Wayne A. Block, PhD.
FL PE #52583



Lildon Engineering Company
920 Sunset Shrs. Dr.
Minneola, Florida 34715
(352) 394-2590 Ph. & FAX
Fl. Cert. Auth. #2898

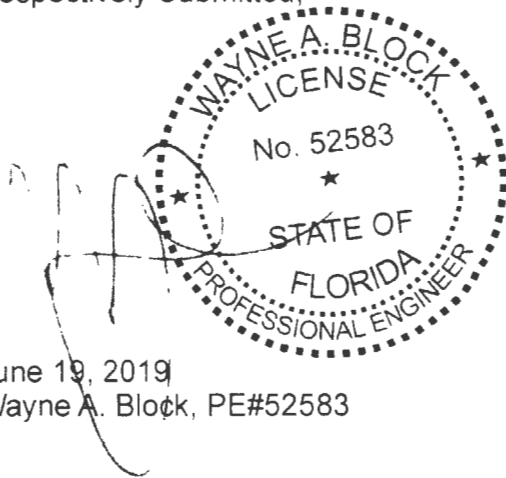
Orange County Building Department
Orlando, FL

Project: Seawall
Owner: Lou Deberadinis
Address: 7114 Lake Willis Drive
Orlando, Florida 32821

Building Official:

Plans have been provided for installation of an aluminum seawall at the rear line of property at the above address. The rear property line is along Lake Willis with an adjacent residence on the lake at each side. A vertical wall is required for stabilization to prevent soil erosion at the above property.

Respectively Submitted,



June 19, 2019
Wayne A. Block, PE#52583