




**Interoffice Memorandum**

Received: April 12, 2022  
Publish: June 5, 2022  
Deadline: May 31, 2022

April 12, 2022

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) 836-1406

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

Subject: Request for Public Hearing on June 21, 2022, at 2:00 p.m., for a Shoreline Alteration/Dredge and Fill Permit Application (SADF-21-08-020) for a new seawall located at 4751 Rosewood Drive, Orlando, FL 32806, on Lake Conway. Parcel ID No. 18-23-30-0000-00-009; District 3

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Applicants: Clay and Susan Townsend

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

Hearing required by Florida Statute # or Code: Chapter 33, Article II, Lake Conway Water and Navigational Control District

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 applicants 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: Conway Water & Navigational Control District  
Elizabeth Nelson (Chairman) – [edcedn@aol.com](mailto:edcedn@aol.com)

April 12, 2022

Request for Public Hearing – Shoreline Alteration/Dredge and Fill Permit Application for Clay and Susan Townsend (SADF-21-08-020)

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 #: 3

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 Liz Johnson with EPD. EPD will issue the decision to the applicants.

Advertising Language:

1. Applicants, Clay and Susan Townsend, are requesting a Shoreline Alteration/Dredge and Fill Permit (SADF-21-08-020) to construct a new seawall located at 4751 Rosewood Drive, Orlando, FL, pursuant to Chapter 33, Article II, Lake Conway Water and Navigational Control District. Parcel ID No. 18-23-30-0000-00-009; District 3 (property legal description on file at EPD).

KGK/NT/TMH/ERJ/DJ: jk

Attachments

# Shoreline Alteration/Dredge and Fill Permit Request



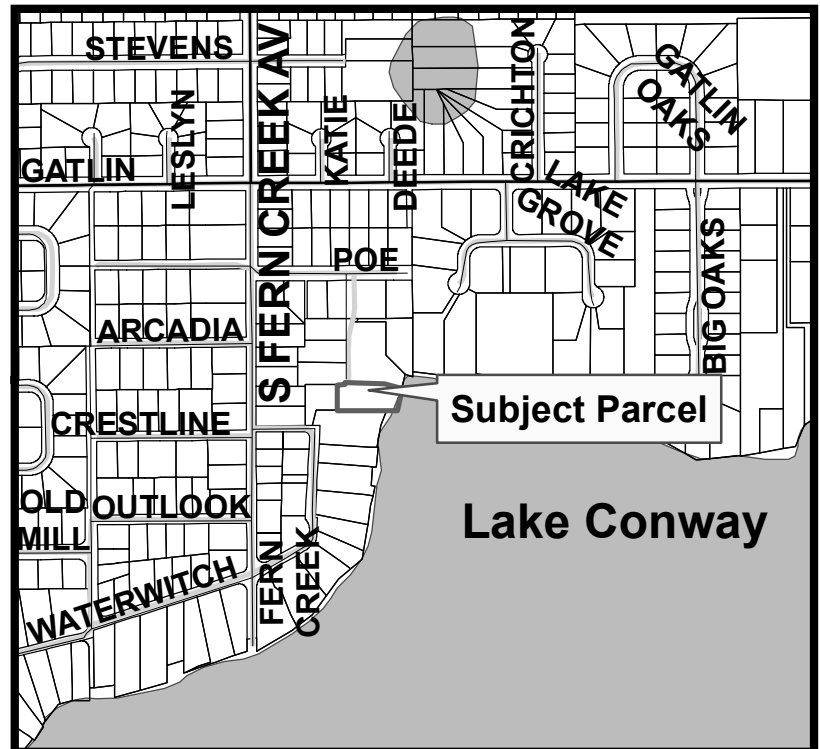
**Shoreline Alteration/Dredge  
and Fill Application**  
Permit No. SADF-21-08-020  
District # 3

**Applicant: Clay and Susan Townsend**  
**Address: 4751 Rosewood Dr.**  
**Parcel IDs: 18-23-30-0000-00-009**

**Project Site**

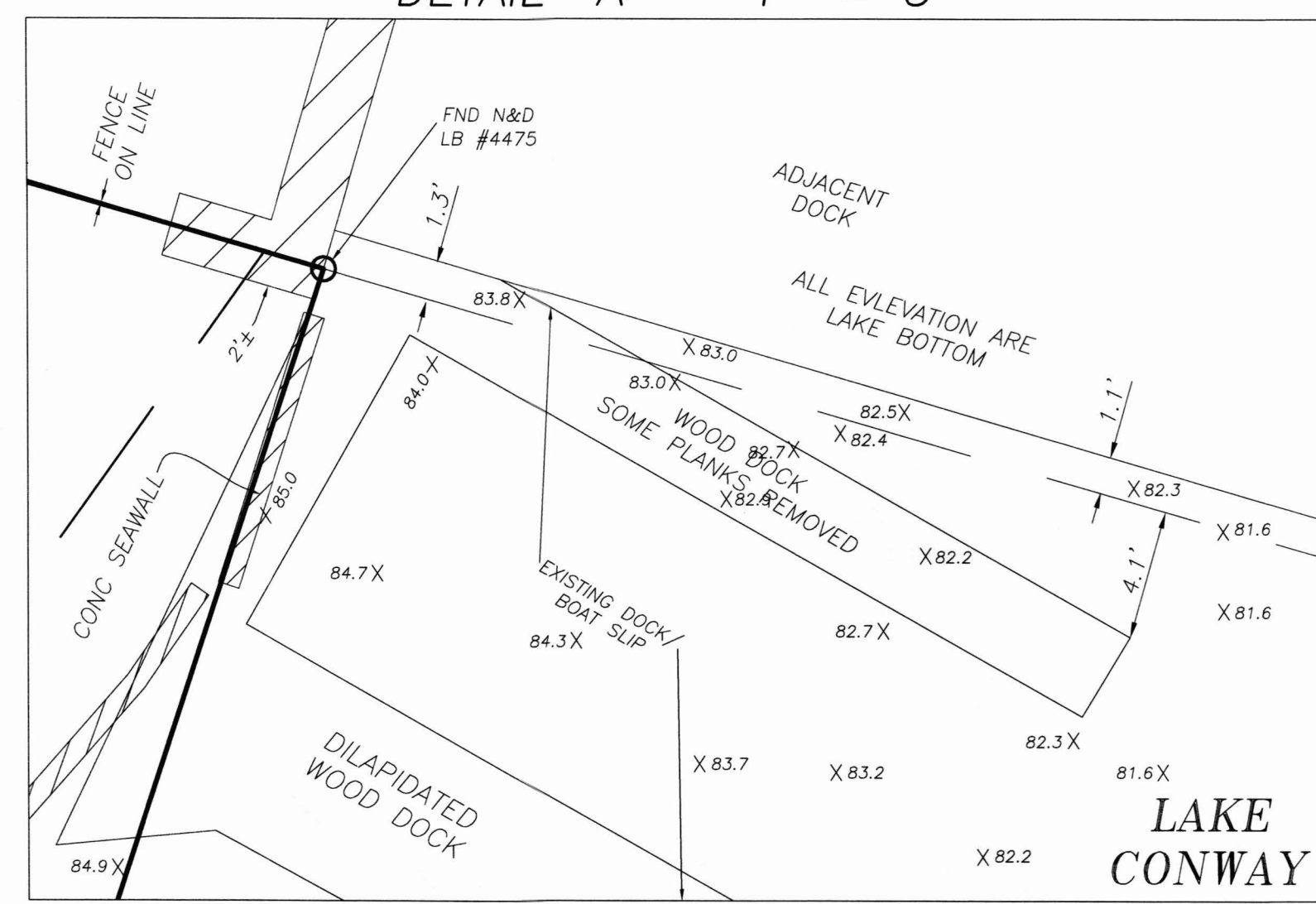


**Property Location**



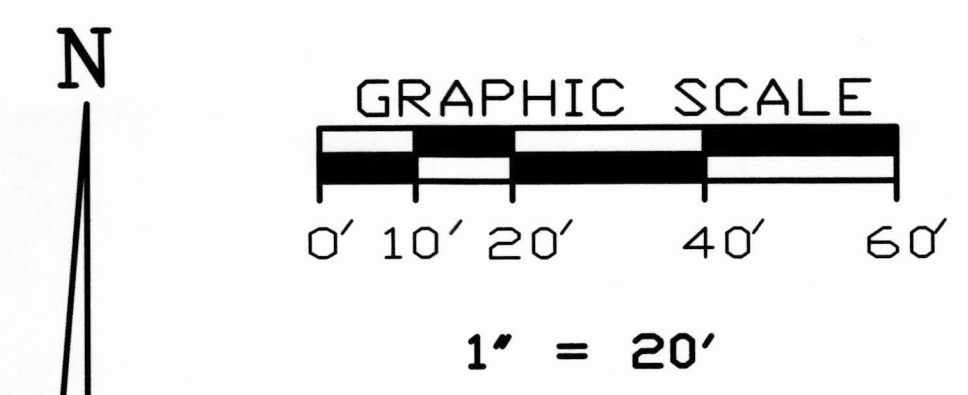


DETAIL "A" - 1" = 5'



**DESCRIPTION**  
**PARCEL A**  
 FROM A POINT 220 FEET EAST AND 825 FEET SOUTH OF THE NORTHWEST CORNER OF SECTION 18, TOWNSHIP 23 SOUTH, RANGE 30 EAST, RUN SOUTH 102.6 FEET; THENCE S89°17'E ALONG OLD FENCE LINE 130 FEET FOR A POINT OF BEGINNING; THENCE N00°18'E, 104.21 FEET TO A POINT 825 FEET SOUTH AND 350 EAST OF SAID NORTHWEST CORNER OF SECTION 18; THENCE EAST 32 FEET; THENCE N00°18'E, 5.63 FEET; THENCE S89°10'E, 161 FEET; THENCE S74°13'E, 76 FEET MORE OR LESS TO THE WATERS EDGE OF LAKE CONWAY; THENCE SOUTHWESTERLY ALONG THE WATERS EDGE OF LAKE CONWAY TO A POINT S89°17'E OF THE POINT OF BEGINNING; THENCE N89°17'W, 243 FEET MORE OR LESS TO THE POINT OF BEGINNING. SAID LAND LYING AND BEING SITUATED IN ORANGE COUNTY, FLORIDA.

**PARCEL B**  
 BEGIN AT A POINT 220 FEET EAST OF AND 825 FEET SOUTH OF THE NORTHWEST CORNER OF SECTION 18, TOWNSHIP 23 SOUTH, RANGE 30 EAST, ORANGE COUNTY, FLORIDA; RUN SOUTH 167.6 FEET; THENCE EAST 15 FEET; THENCE NORTH 65 FEET; THENCE EAST 115 FEET, ALONG FENCE; THENCE NORTH 0°18' EAST 104.21 FEET TO A POINT 825 FEET SOUTH OF THE NORTH LINE OF SECTION 18, TOWNSHIP 23 SOUTH, RANGE 30 EAST; THENCE WEST 130 FEET TO THE POINT OF BEGINNING.



AND ALSO BEGINNING AT THE POINT OF INTERSECTION OF THE SOUTH LINE OF LOT 41, FIRST ADDITION TO WATERWATCH CLUB, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK "P", PAGE 19, OF THE PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA, AND THE WEST LINE OF WATERWATCH DRIVE (NOW VACATED); RUN THENCE EAST 15 FEET; RUN THENCE NORTHEASTERLY 65 FEET MORE OR LESS TO A POINT AT WHICH THE NORTH LINE OF LOT 41 AND THE WEST LINE OF WATERWATCH DRIVE INTERSECTS; THENCE WESTERLY ALONG THE NORTH LINE OF LOT 41, TO A POINT 65 FEET NORTHERLY FROM THE POINT OF BEGINNING; THENCE SOUTH 65 FEET TO THE POINT OF BEGINNING.

POC NW CORNER SECTION 18-23-30  
 SOUTH 825' DESC

WEST 130.00' DESC  
 EAST 220' DESC

WEST 130.00' DESC  
 SOUTH 102.6' DESC

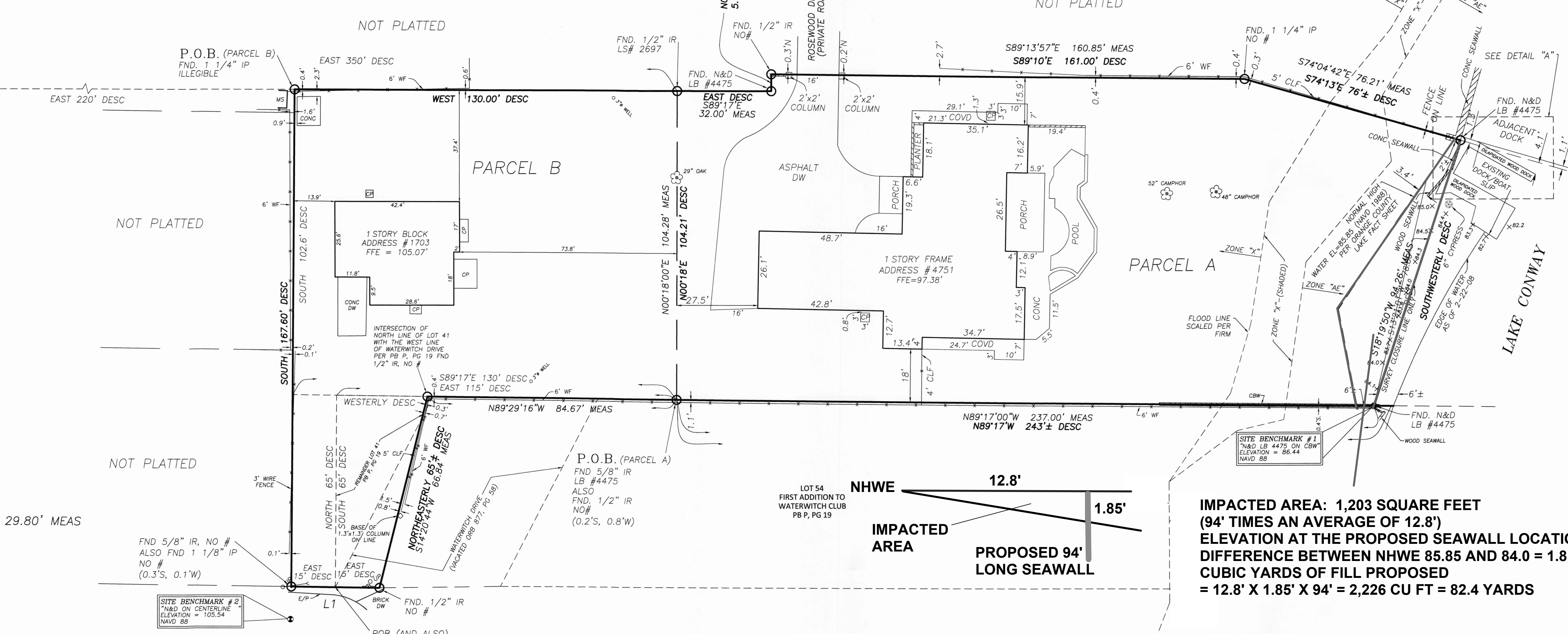
WEST 130.00' DESC  
 SOUTH 102.6' DESC

WEST 130.00' DESC  
 SOUTH 102.6' DESC

WEST 130.00' DESC  
 SOUTH 102.6' DESC

WEST 130.00' DESC  
 SOUTH 102.6' DESC

WEST 130.00' DESC  
 SOUTH 102.6' DESC



LINE CHART  
 L1 N89°43'50"W 29.80' MEAS

FND 5/8" IR, NO # ALSO FND 1 1/8" IP NO # (0.3'S, 0.1'W)

SITE BENCHMARK #2  
 "N&D ON CENTERLINE ELEVATION = 105.54 NAVD 88"

POB (AND ALSO) INTERSECTION OF SOUTH LINE OF LOT 41 WITH THE WEST LINE OF WATERWATCH DRIVE PER PB P, PG 19

- NOTES:
1. BEARING STRUCTURE IS ASSUMED AND BASED ON THE MONUMENTED SOUTH LINE OF THE DESCRIBED PARCEL BEING N89°17'W.
  2. THIS SURVEY REFLECTS ONLY MATTERS OF RECORD AS PROVIDED BY THE CLIENT OR CLIENTS REPRESENTATIVE.
  3. ABOVE GROUND AND OBSERVABLE EVIDENCE OF UTILITIES HAVE BEEN LOCATED BY FIELD SURVEY AND SHOWN HEREON. LOCATION OF UNDERGROUND UTILITIES AND THEIR CONNECTIONS TO SURFACE UTILITIES HAVE NOT BEEN DETERMINED BY THIS SURVEYOR. THE SURVEYOR HAS NOT PHYSICALLY LOCATED UNDERGROUND UTILITIES.
  4. THIS BUILDING/LOT LIES IN ZONES "AE" & "X", BASED ON FLOOD INSURANCE RATE MAP NO. 12095C0430F, COMMUNITY NO. 120179, ORANGE COUNTY, FLORIDA, EFFECTIVE SEPTEMBER 25, 2009.
  5. THIS SURVEY WAS MADE WITHOUT BENEFIT OF COMMITMENT FOR TITLE.
  6. THIS SURVEY IS VALID ONLY FOR THE PARTIES TO WHOM IT IS CERTIFIED.
  7. THIS SURVEY EXCEEDS THE ACCURACY REQUIREMENTS SET FORTH IN FLORIDA STATUTES.
  8. ELEVATIONS BASED ON ORANGE COUNTY BENCHMARK #GIS-0454 JERRY HOUSE-1, BEING: 107.689 FEET, (NAVD 1988).
  9. THE WATER BOUNDARIES SHOWN HEREON ARE SUBJECT TO CHANGE DUE TO NATURAL CAUSES AND MAY OR MAY NOT REPRESENT THE ACTUAL LOCATION OF THE LIMIT OF TITLE.

**IMPACTED AREA: 1,203 SQUARE FEET (94' TIMES AN AVERAGE OF 12.8')**  
**ELEVATION AT THE PROPOSED SEAWALL LOCATION 84.0**  
**DIFFERENCE BETWEEN NHWE 85.85 AND 84.0 = 1.85'**  
**CUBIC YARDS OF FILL PROPOSED = 12.8' X 1.85' X 94' = 2,226 CU FT = 82.4 YARDS**

LAND AREA LAND LYING WEST OF SURVEY CLOSURE LINE CONTAINS 42,996 SQUARE FEET OR 0.987 ACRES MORE OR LESS. LAND LYING EAST OF NORMAL HIGH WATER LINE AND WEST OF SURVEY CLOSURE LINE CONTAINS 1,203 SQUARE FEET MORE OR LESS.

**TOWNSEND SEAWALL IMPACT AREA & DREDGE CALCULATIONS**

SURVEY DATE: 3/6/08

DATE:	REVISION	BY:
4/3/08	EDIT FLOOD LINE	DCM
03/07/08	ADDED TOPOGRAPHY, CBW AND SEAWALL	JCB
03/13/08	ADDED SPOT ELEVATIONS AND HOUSE ON PARCEL B	JCB
7/28/21	UPDATE NORMAL HIGH WATER LINE AND ADD DOCK	ANT
11/12/21	LOCATE SUBMERGED WALL WITH ELEVATIONS	ANT
2/8/22	SUBMERGED WALL REMOVED. UPDATED ELEVATIONS 55432	ANT

SCALE: 1" = 20'	CF# 30-23-18PARCEL9	JOB #25228
FIELD DATE: 3/6/08		DRAWN BY: JB/DCM
PREPARED FOR: CLAY TOWNSEND		
LOCATION: 4751 ROSEWOOD DRIVE & 1703 WATERWATCH DRIVE, ORANGE COUNTY, FLORIDA		FILE NUMBER: 18-23-30 PARCEL 009 & 013

**ACCURIGHT SURVEYS**  
 of Orlando Inc., LB 4475  
 2012 E. Robinson St.  
 Orlando, Florida 32803  
 PHONE (407) 894-6314 FAX (407) 897-3777

*Ronald K. Smith* 2/19/22  
 RONALD K. SMITH, PSM 5797  
 "THE DATE OF SIGNATURE DOES NOT REVISE OR SUPERSEDE THE BOUNDARY SURVEY DATE OR REVISION DATE."  
 THIS SURVEY MEETS THE "STANDARDS OF PRACTICE" AS REQUIRED BY CHAPTER 5J-17 FLORIDA BOARD OF LAND SURVEYORS, PURSUANT TO SECTION 472.027 OF THE FLORIDA STATUTES.  
 "NOT VALID WITHOUT THE ORIGINAL SIGNATURE AND SEAL OF THIS FLORIDA LICENSED SURVEYOR AND MAPPER." OR THE DIGITAL SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY RONALD K. SMITH, PSM 5797.



**received**  
8/23/21

# TOWNSEND SEAWALL SITE PLAN

POC  
NW CORNER  
SECTION 18-23-30

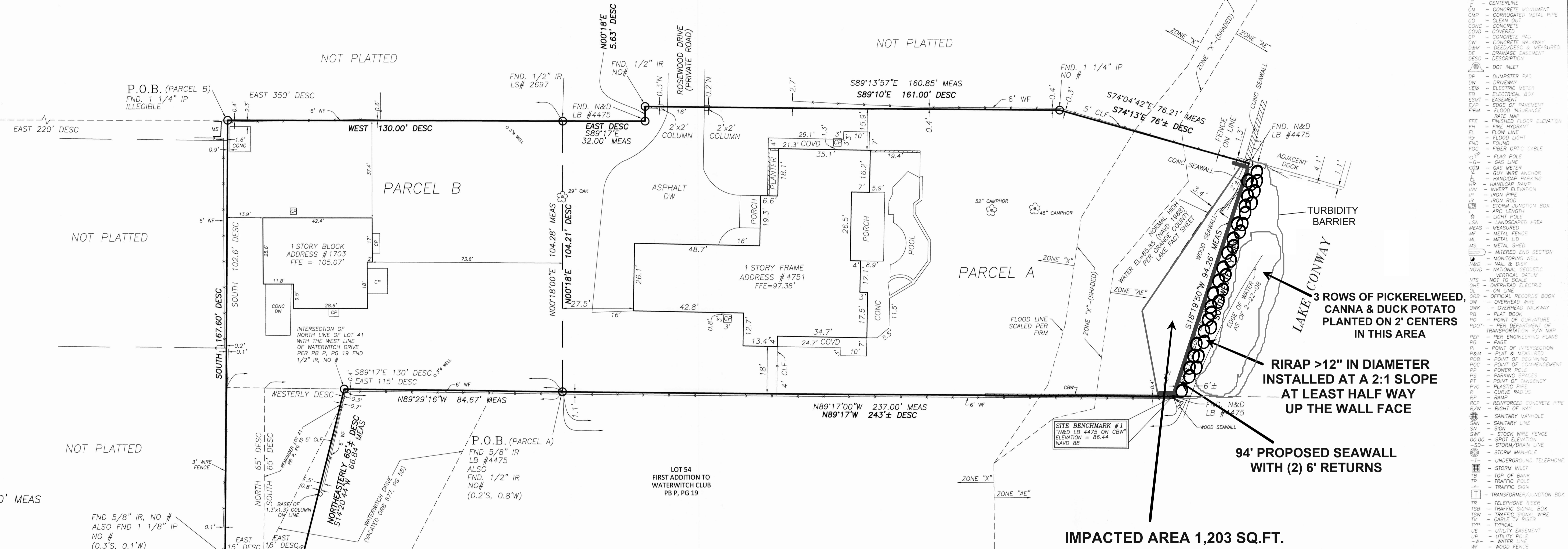
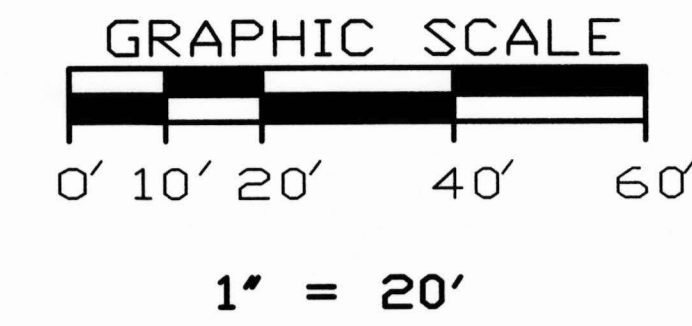
SOUTH 825' DESC

## DESCRIPTION

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L1 N89°43'50"W 29.80' MEAS

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"N&D ON CENTERLINE"  
ELEVATION = 105.54  
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LAND LYING EAST OF NORMAL HIGH WATER LINE AND WEST OF SURVEY CLOSURE LINE  
CONTAINS 1,203 SQUARE FEET MORE OR LESS.

LEGEND

AO	AIR RELEASE VALVE
AS	AUTO SPRINKLER
BB	BOTTOM OF BANK
BF	BACKFLOW PREVENTER
BLK	BLOCK
BFF	BACKFLOW REVENTER
BW	BENCHMARK
BLD	BUILDING
BPC	BURIED POWER CABLE
CALC	CALCULATED
CBW	CONCRETE BLOCK WALL
CC	COVERED CONCRETE
CF	CONCRETE FENCE
CHW	CONCRETE HEAD WALL
CL	CHAIN LINK FENCE
C	CENTERLINE
CM	CONCRETE MANGROVE
CMF	CORRUGATED METAL PIPE
CO	CLEAN OUT
CONC	CONCRETE
COVD	COVERED
CP	CONCRETE PAVEMENT
CW	CONCRETE WALKWAY
D&M	DEEP/SHALLOW MEASURE
DE	DRAINAGE EASEMENT
DESC	DESCRIPTION
DI	DOT INLET
DP	DUMPSTER PAD
DW	DRIVEWAY
EM	ELECTRIC METER
ES	ELECTRICAL BOX
ESMT	EASEMENT
EF	EDGE OF FINISHED FLOOR
FIRM	FLOOD INSURANCE RATE MAP
FF	FINISHED FLOOR ELEVATION
FI	FIRE HYDRANT
FL	FLOW LINE
FLHT	FLOOD LIGHT
FO	FOUND
FDC	FIBER OPTIC CABLE
GP	FLAG POLE
GS	GAS LINE
GM	GAS METER
GWA	GUY WIRE ANCHOR
H	HANDICAP PARKING
HE	HANDICAP ELEVATION
IP	IRON PIPE
IR	IRON ROD
JB	JUNCTION BOX
LD	LANDSCAPED AREA
MEAS	MEASURED
MF	METAL FENCE
ML	METAL LID
MS	METAL SHED
MS	MISERED END SECTION
MW	MISERED WELL
N&D	N&D
NVD	NATIONAL GEODETIC VERTICAL DATUM
N	NOT TO SCALE
OE	OVERHEAD ELECTRIC
OR	OFFICIAL RECORDS BOOK
OW	OVERHEAD WIRE
OWK	OVERHEAD WALKWAY
PB	PLAT BOOK
PC	POINT OF CURVATURE
PDC	POINT OF COMMENCEMENT
PEP	PER DEPARTMENT OF TRANSPORTATION 1/2" V&H
PER	PER ENGINEERING PLANS
PI	PIPE
PI&M	POINT OF INTERSECTION - FLAT & MEAS. RD.
POB	POINT OF BEGINNING
POC	POINT OF COMMENCEMENT
PP	POWER POLE
PT	POINT OF TANGENCY
R	RADIUS
R	CURVE RADIUS
RUM	RUMBLE STRIP
RCP	REINFORCED CONCRETE PIPE
R/W	RIGHT OF WAY
SA	SANITARY MANHOLE
SAN	SANITARY LINE
SN	SNOW
SWF	STOCK WIRE FENCE
SD	SPOT ELEVATION
SD	STORM DRAIN LINE
SM	STORM MANHOLE
T	UNDERGROUND TELEPHONE
TI	TRAFFIC INLET
TR	TOP OF BANK
TR	TRAFFIC POLE
TR	TRANSFORMER JUNCTION BOX
TR	TELEPHONE RISER
TSB	TRAFFIC SIGNAL BOX
TOW	TRAFFIC SIGNAL WIRE
TV	CABLE TV RISER
TY	TRIPIC
UE	UTILITY EASEMENT
UP	UTILITY POLE
W	WATER LINE
WF	WOOD FENCE
WLF	WETLAND FENCE
WS	WOOD SHED
W	WATER MAIN
W	WATER METER
N	NUMBER
①	EASEMENT NUMBER

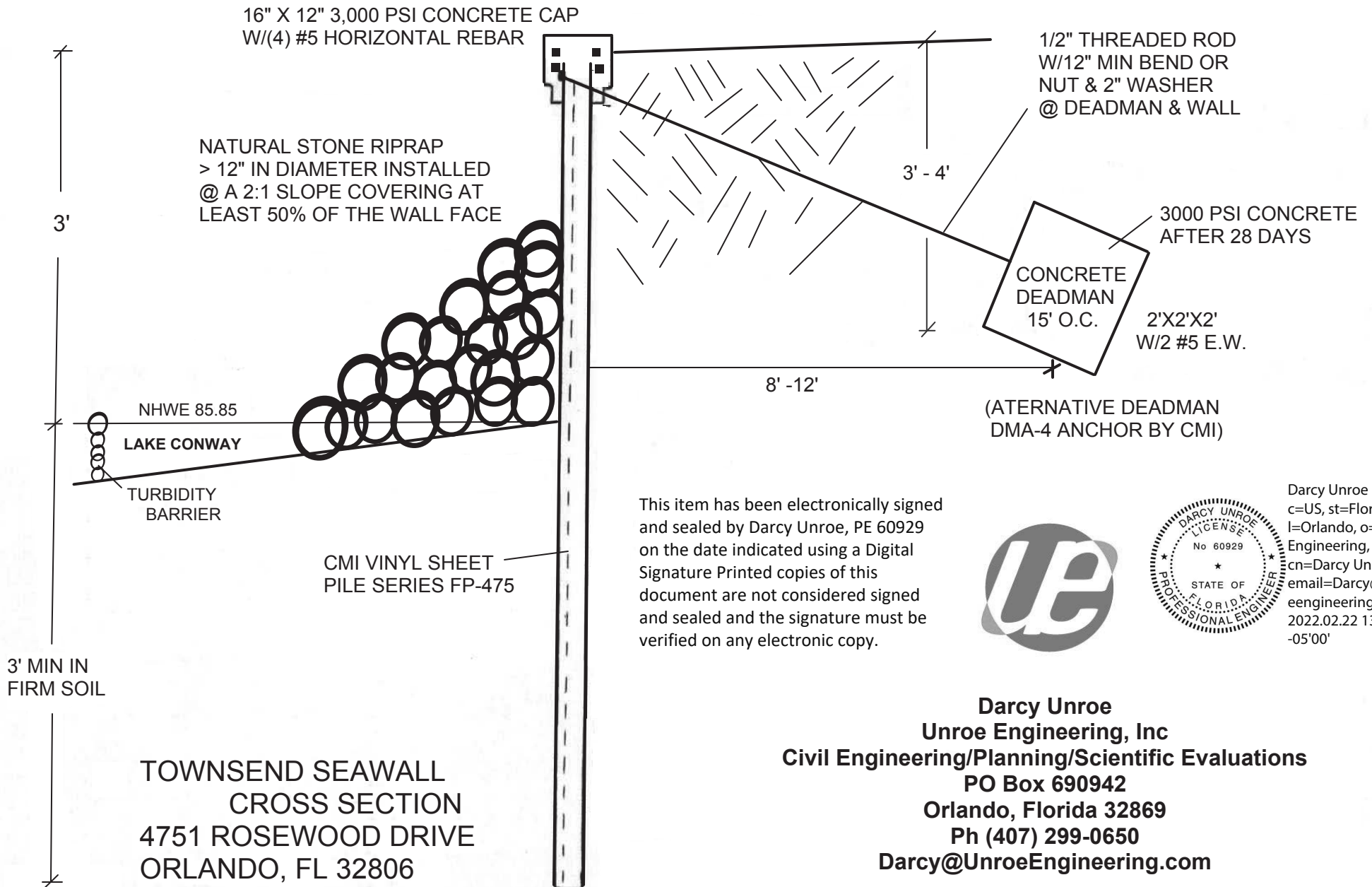
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2012 E. Robinson St.  
Orlando, Florida 32803  
PHONE (407) 894-6314 FAX (407) 897-3777

XXXXXXXXXXXXXXXXXXXX  
RONALD K. SMITH, PSM 5797  
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SURVEY DATE: 3/6/08		
DATE:	REVISION	BY:
4/3/08	EDIT FLOOD LINE	DCM
03/07/08	ADDED TOPOGRAPHY, CBW AND SEAWALL	JCB
03/13/08	ADDED SPOT ELEVATIONS AND HOUSE ON PARCEL B	JCB
7/28/21	UPDATE NORMAL HIGH WATER LINE AND ADD DOCK	ANT
SCALE: 1" = 20'		
FIELD DATE: 3/6/08	CF# 30-23-18PARCEL9	JOB #25228
PREPARED FOR: CLAY TOWNSEND		DRAWN BY: JB/DCM
LOCATION: 4751 ROSEWOOD DRIVE ORLANDO, FL 32806		FILE NUMBER: 18-23-30 PARCEL 009 & 013



# 94' VINYL SEAWALL W/(2) 6' RETURNS



This item has been electronically signed and sealed by Darcy Unroe, PE 60929 on the date indicated using a Digital Signature Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copy.



Darcy Unroe  
c=US, st=Florida,  
l=Orlando, o=Unroe  
Engineering, Inc.,  
cn=Darcy Unroe,  
email=Darcy@unro  
engineering.com  
2022.02.22 13:39:48  
-05'00'

**Darcy Unroe**  
**Unroe Engineering, Inc**  
**Civil Engineering/Planning/Scientific Evaluations**  
**PO Box 690942**  
**Orlando, Florida 32869**  
**Ph (407) 299-0650**  
**Darcy@UnroeEngineering.com**

received  
2/22/22



# Unroe Engineering

Civil Engineering/Planning/Scientific Evaluations

February 22, 2022

Orange County Environmental Protection Division  
3165 McCrory Place, Suite 200  
Orlando, FL 32803

Re: Townsend Residence – Proposed Seawall  
Address: 4751 Rosewood Drive, Orlando, FL 32806  
Permit Number: SADF-21-08-020

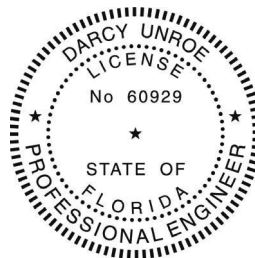
Dear Environmental Specialist:

Please accept this letter as a “written justification” to construct a new vertical seawall along the NHWE of the above referenced property, as requested by Orange County EPD.

It is my professional opinion that the construction of a vertical seawall along the Normal High Water Elevation is the only practical method to stabilize and prevent further erosion of the shoreline.

If there are any questions, please contact our office at the phone number listed below.

Sincerely,



Darcy Unroe  
c=US, st=Florida,  
l=Orlando, o=Unroe  
Engineering, Inc., cn=Darcy  
Unroe,  
email=Darcy@unroeengine  
ering.com  
2022.02.22 13:56:29 -05'00'

Darcy Unroe PE

This item has been electronically signed and sealed by Darcy Unroe, PE 60929 on the date indicated using a Digital Signature Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copy.