



Interoffice Memorandum

May 10, 2022

TO: Mayor Jerry L. Demings
-AND-
County Commissioners

FROM: Jon V. Weiss, P.E., Director
Planning, Environmental, and Development
Services Department

CONTACT PERSON: **David D. Jones, P.E., CEP, Manager
Environmental Protection Division
(407) 836-1406**

SUBJECT: June 21, 2022 – Public Hearing
Shoreline Alteration/Dredge and Fill Permit Application for
Clay and Susan Townsend (SADF-21-08-020)

The applicants, Clay and Susan Townsend, are requesting a Shoreline Alteration/Dredge and Fill (SADF) permit to authorize the construction of a new seawall with riprap, plantings and backfill along the shoreline of Lake Conway on the property located on 4751 Rosewood Drive, Orlando, FL 32806 (Parcel ID 18-23-30-0000-00-009) in District 3.

The applicants are proposing to construct a new vinyl seawall approximately 94 feet in length below the Normal High Water Elevation (NHWE) of Lake Conway in order to stabilize the shoreline and prevent further erosion on their property. The adjoining properties to the north and south have existing seawalls, which the proposed new wall will abut. The new wall will be constructed with 6-foot returns on each end.

The shoreline at the subject property has experienced significant erosion and loss of area previously utilized by the applicants as backyard. The applicants request to reclaim lost shoreline area by backfilling with clean fill material. Accordingly, the construction of the seawall will impact approximately 0.03 acre of surface waters located waterward of the NHWE. These impacts were evaluated utilizing the Uniform Mitigation Assessment Method to calculate the functional loss, and the applicants have agreed to remit a mitigation payment of \$2,000 to the Conservation Trust Fund.

Based on prior Board direction, riprap and plantings are normally required for new seawalls and replacement seawalls; therefore, the applicants will be required to install riprap and plantings waterward of the new seawall.

In accordance with Orange County Code, Chapter 33, Article II, Section 33-37(d), notification of the public hearing was sent to property owners within 500 feet of the project site. EPD has received no objections to the request.

Pursuant to Orange County Code, Chapter 33, Article II, EPD has evaluated the proposed SADF permit application and required documents and has made a finding that the request

is consistent with Chapter 33, Article II Lake Conway Water and Navigation Control District.

Staff Recommendation

Approval of the SADF permit, subject to the following conditions:

Specific Conditions:

1. This permit shall become final and effective upon expiration of the 30-calendar-day appeal period following the date of issuance, unless an appeal has been filed within this timeframe. Any appeal shall stay the effective date of this permit until all appeals are resolved.
2. Construction activities shall be completed in accordance with the engineered plans signed and sealed by Darcy Unroe, P.E. and received by the Environmental Protection Division (EPD) on February 22, 2022 and the Site Plan Survey by Accuright Surveys of Orlando, Inc. received by EPD on August 23, 2021 and the Townsend Seawall Impact Area and Dredge Calculations Survey by Accuright Surveys of Orlando, Inc. received by EPD on February 22, 2022.
3. The permitted activity must commence within six months and be completed within one year from the date of issuance of the permit. In the event that the project has not commenced within six months or been completed within one year, this permit shall be void and a new permit application with fee will be required.
4. The shoreline wetland impacts must be completed in accordance with the plans signed and sealed by Darcy Unroe, P.E. and received by EPD on February 22, 2022 and the Townsend Seawall Impact Area and Dredge Calculations Survey by Accuright Surveys of Orlando, Inc. received by EPD on February 22, 2022. Prior to initiating any construction below the Normal High Water elevation (NHWE), EPD shall receive a payment of \$2,000 to the Conservation Trust Fund as mitigation for the impacts to surface waters.
5. In the event that the permittees are unable complete the mitigation transaction, the permittees shall obtain a permit modification from the Environmental Protection Officer to provide alternative mitigation for the surface water impacts prior to the commencement of any construction activities.
6. This permit does not authorize any dredging or filling except that which is necessary for the installation of the seawall, riprap, and backfill as indicated on the site plans.
7. Riprap shall be installed waterward of the new seawall in accordance with the site plan signed and sealed by Darcy Unroe, P.E., received by EPD on February 22, 2022.
8. Riprap shall be installed at a two (horizontal) to one (vertical) slope, extend at least halfway up the face of the seawall, and measure between 12 inches to three feet in diameter.

9. The installation of riprap must commence within 30 days and be completed within 60 days from the date of completion of construction of the seawall.
10. Installation of aquatic plantings along the shoreline must be initiated within 30 days and be completed within 60 days of installation of the riprap. After one year, if 80 percent areal coverage of native, emergent, or aquatic plant species is not established, additional plantings may be required.
11. The permittees may maintain a clear access corridor below the Normal High Water Elevation of 85.85 feet (NAVD 88) above mean sea level for Lake Conway, not to exceed 30 feet in width, of sufficient length waterward from the shoreline to allow access to open water. Any existing or future structures, such as a boat dock, must be located within this corridor.
12. Any permit extensions for the activities authorized herein may be approved by way of Consent Agenda if there are no changes.

General Conditions:

13. Subject to the terms and conditions herein, the permittees are hereby authorized to perform or cause to be performed, the impacts shown on the application and the approved drawings, plans, and other documents attached hereto or on file with EPD.
14. The permittees bind themselves and any successors to comply with the provisions and conditions of this permit. If EPD determines at any time that activities, including without limitation the performance of the required mitigation, are not in accordance with the conditions of the permit, work shall cease and the permit may be revoked immediately by the Environmental Protection Officer. Notice of the revocation shall be provided to the permit holders and/or agent promptly thereafter.
15. A copy of this permit, along with EPD stamped and approved drawings, should be taken to the Orange County Zoning Division (OCZD) at 201 South Rosalind Avenue for approval. For further information, please contact the OCZD at (407) 836-5525.
16. After approval by the OCZD, the certified site plans will need to be reviewed by the Orange County Building Safety Division (OCBSD) in order to obtain a building permit. For further information, please contact the OCBSD at (407) 836-5550.
17. Prior to construction, the permittees shall clearly designate the limits of construction on-site. The permittees shall advise the contractor that any work outside the limits of construction, including clearing, may be a violation of this permit.
18. Construction plans shall be submitted to EPD prior to initiating any construction activities for review and approval. The construction plans shall include, but are not limited to, a site plan clearly depicting the location of the seawall.
19. The permittees shall require the contractor to maintain a copy of this permit, complete with all approved drawings, plans, conditions, attachments, exhibits, and modifications in good condition at the construction site. The permittees shall require

the contractor to review the permit prior to commencement of the activity authorized by this permit. The complete permit shall be available upon request by Orange County staff.

20. Issuance of this permit does not warrant in any way that the permittees have riparian or property rights to construct any structure permitted herein and any such construction is done at the sole risk of the permittees. In the event that any part of the structure permitted herein is determined by a final adjudication issued by a court of competent jurisdiction to encroach on or interfere with adjacent property owner's riparian or other property rights, the permittees agree to either obtain written consent or remove the offending structure or encroachment within 60 days from the date of adjudication. Failure to comply shall constitute a material breach of this permit and shall be grounds for its immediate revocation.
21. This permit does not release the permittees from complying with all other federal, state, and local laws, ordinances, rules and regulations. Specifically, this permit does not eliminate the necessity to obtain any required federal, state, local and special district authorizations prior to the start of any activity approved by this permit. This permit does not convey to the permittees or create in the permittees any property rights, or any interest in real property, nor does it authorize any entrance upon or activities upon property which is not owned or controlled by the permittees, or convey any rights or privileges other than those specified in the permit and Chapter 33, Article II of the Orange County Code.
22. If these permit conditions conflict with those of any other regulatory agency, the permittees shall comply with the most stringent conditions. The permittees shall immediately notify EPD of any conflict between the conditions of this permit and any other permit or approval.
23. The permittees are hereby advised that Section 253.77 Florida Statutes (FS), states that a person may not commence any excavation, construction, or other activity involving the use of sovereignty or other lands of the state, the title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund, without obtaining the required lease, license, easement or other form of consent authorizing the proposed use. Therefore, the permittees are responsible for obtaining any necessary authorizations from the Board of Trustees prior to commencing activity on sovereignty lands or other state-owned lands.
24. Should any other regulatory agency require changes to the property or permitted activities, the permittees shall provide written notification to EPD of the change prior to implementation so that a determination can be made whether a permit modification is required.
25. EPD shall have final construction plan approval to ensure that no modification has been made during the construction plan process.
26. The permittees shall immediately notify EPD in writing of any previously submitted information that is later discovered to be inaccurate.

27. EPD staff shall have permission to enter the site at any reasonable time to inspect the property for conformity with the plans and specifications approved by the permit.
28. The permittees shall hold and save the County harmless from all damages, claims or liabilities, which may arise because of the activities authorized by the permit.
29. All costs, including attorney's fees, incurred by the County in enforcing the terms and conditions of this permit shall be required to be paid by the permittees.
30. The permittees agree that any dispute arising from matters relating to this permit shall be governed by the laws of Florida, and initiated only in Orange County.
31. Turbidity and sediments shall be controlled to prevent violations of water quality pursuant to Rules 62-302.500, 62-302.530(70) and 62-4.242 Florida Administrative Code. Best Management Practices, as specified in the Florida Stormwater, Erosion, and Sedimentation Control Inspector's Manual, shall be installed and maintained at all locations where the possibility of transferring suspended solids into wetlands and/or surface waters may occur due to the permitted activity. If site specific conditions require additional measures, then the permittees shall implement them as necessary to prevent adverse impacts to wetlands and/or surface waters.
32. Pursuant to Section 125.022 FS, issuance of this permit by the County does not in any way create any rights on the part of the permittees to obtain a permit from a state or federal agency and does not create any liability on the part of the County for issuance of the permit if the permittees fail to obtain requisite approvals or fulfill the obligations imposed by a state or federal agency or undertake actions that result in a violation of state or federal law.
33. Pursuant to Section 125.022 FS, the permittees shall obtain all other applicable state or federal permits before commencement of the activity authorized herein.

ACTION REQUESTED: Acceptance of the findings and recommendation of the Environmental Protection Division staff and approval of Shoreline Alteration/Dredge and Fill Permit SADF-21-08-020 for Clay and Susan Townsend, subject to the conditions listed in the staff report. District 3

DDJ/JW: jk

Attachments

Shoreline Alteration/Dredge and Fill Permit Request



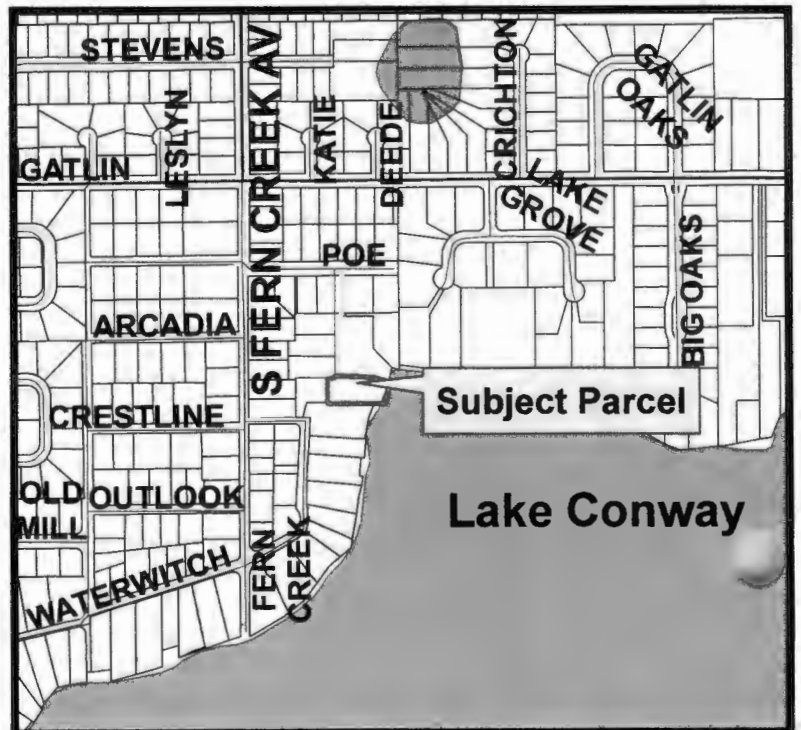
**Shoreline Alteration/Dredge
and Fill Application**
Permit No. SADF-21-08-020
District # 3

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

Project Site

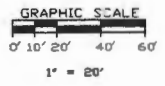


Property Location



TOWNSEND SEAWALL SITE PLAN

received
8/23/21

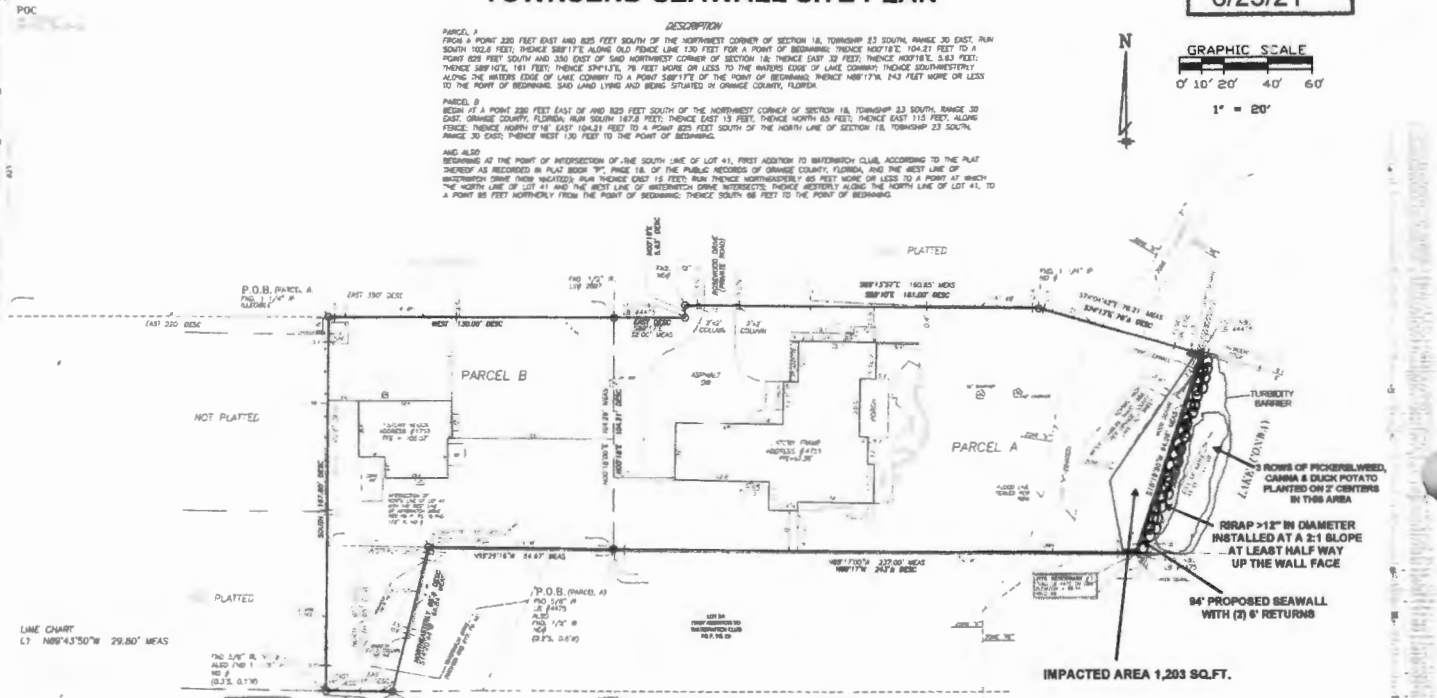


DESCRIPTION

PARCEL A
FROM A POINT 230 FEET EAST AND 825 FEET SOUTH OF THE NORTHWEST CORNER OF SECTION 18, TOWNSHIP 23 SOUTH, RANGE 30 EAST, PLAT SOUTH 102.6 FEET, THENCE S89°17'E ALONG OLD FENCE LINE 130 FEET FOR A POINT OF BEGINNING, THENCE N07°18'E 104.21 FEET TO A POINT 623 FEET SOUTH AND 330 EAST OF SAID NORTHWEST CORNER OF SECTION 18; THENCE EAST 33 FEET; THENCE S00°18'E 5.63 FEET; THENCE S89°18'E 181 FEET; THENCE S74°13'E 78 FEET MORE OR LESS TO THE WATERS EDGE OF LAKE COMPANY, THENCE SOUTHWESTERLY ALONG THE WATERS EDGE OF LAKE COMPANY TO A POINT SPLITLY OF THE CORNER OF BEGINNING, THENCE N87°17'W 243 FEET MORE OR LESS TO THE POINT OF BEGINNING, SAID LAND LYING AND BEING SITUATE IN ORANGE COUNTY, FLORIDA.

PARCEL B
BEING AT A POINT 230 FEET EAST OF AND 825 FEET SOUTH OF THE NORTHWEST CORNER OF SECTION 18, TOWNSHIP 23 SOUTH, RANGE 30 EAST, ORANGE COUNTY, FLORIDA, ALAR SOUTH 187.8 FEET; THENCE EAST 13 FEET; THENCE NORTH 65 FEET; THENCE EAST 113 FEET, ALONG FENCE; THENCE NORTH 07°18' EAST 104.21 FEET TO A POINT 623 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 "9", PAGE 18, OF THE PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA, AND THE WEST LINE OF SECTION 18; THENCE FROM SAID POINT, ALAR THENCE EAST 13 FEET; ALAR THENCE SOUTHWESTERLY 80 FEET MORE OR LESS TO A POINT AT WHICH THE NORTH LINE OF LOT 41 AND THE WEST LINE OF WATERWATCH DRIVE INTERSECT; THENCE WESTERLY ALONG THE NORTH LINE OF LOT 41, TO A POINT 85 FEET NORTHERLY FROM THE POINT OF BEGINNING; THENCE SOUTH 88 FEET TO THE POINT OF BEGINNING.



- NOTES:**
1. BEARING STRUCTURE IS ASSUMED AND BASED ON THE MONUMENTED SOUTH LINE OF THE DESCRIBED PARCEL, BEING N87°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. LOCATIONS OF UNDEGROUND UTILITIES AND THEIR CONNECTIONS TO SURFACE UTILITIES HAVE NOT BEEN DETERMINED BY THIS SURVEYOR. THE SURVEYOR IS NOT PHYSICALLY LOCATED UNDERGROUND UTILITIES.
 4. THIS BUILDING IS IN ZONE "4" & "5", BASED ON FLOOD INSURANCE RATE MAP NO. 720604002, COMBINARY NO. 720176, ORANGE COUNTY, FLORIDA, EFFECTIVE SEPTEMBER 23, 2006.
 5. THIS SURVEY WAS MADE WITHOUT BENEFIT OF COMMENT FOR TITLE.
 6. THIS SURVEY IS VALID ONLY FOR THE PURPOSES TO WHICH IT IS DESIGNED.
 7. THIS SURVEY EXCEEDS THE ACCURACY REQUIREMENTS SET FORTH IN FLORIDA STATUTES.
 8. ELEVATIONS BASED ON ORANGE COUNTY BENCHMARK 908-048 JERRY HOUSE-1, BEING 107.889 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 EAST OF TITLE.

LAND AREA
LAND LYING WEST OF SURVEY CLUMP LINE CONTAINS 42.88 ACRES FEET OR GREATER MORE OR LESS. LAND LYING EAST OF SURVEY CLUMP LINE AND WEST OF SURVEY CLUMP LINE CONTAINS 1.203 SQ. FT. AREA.

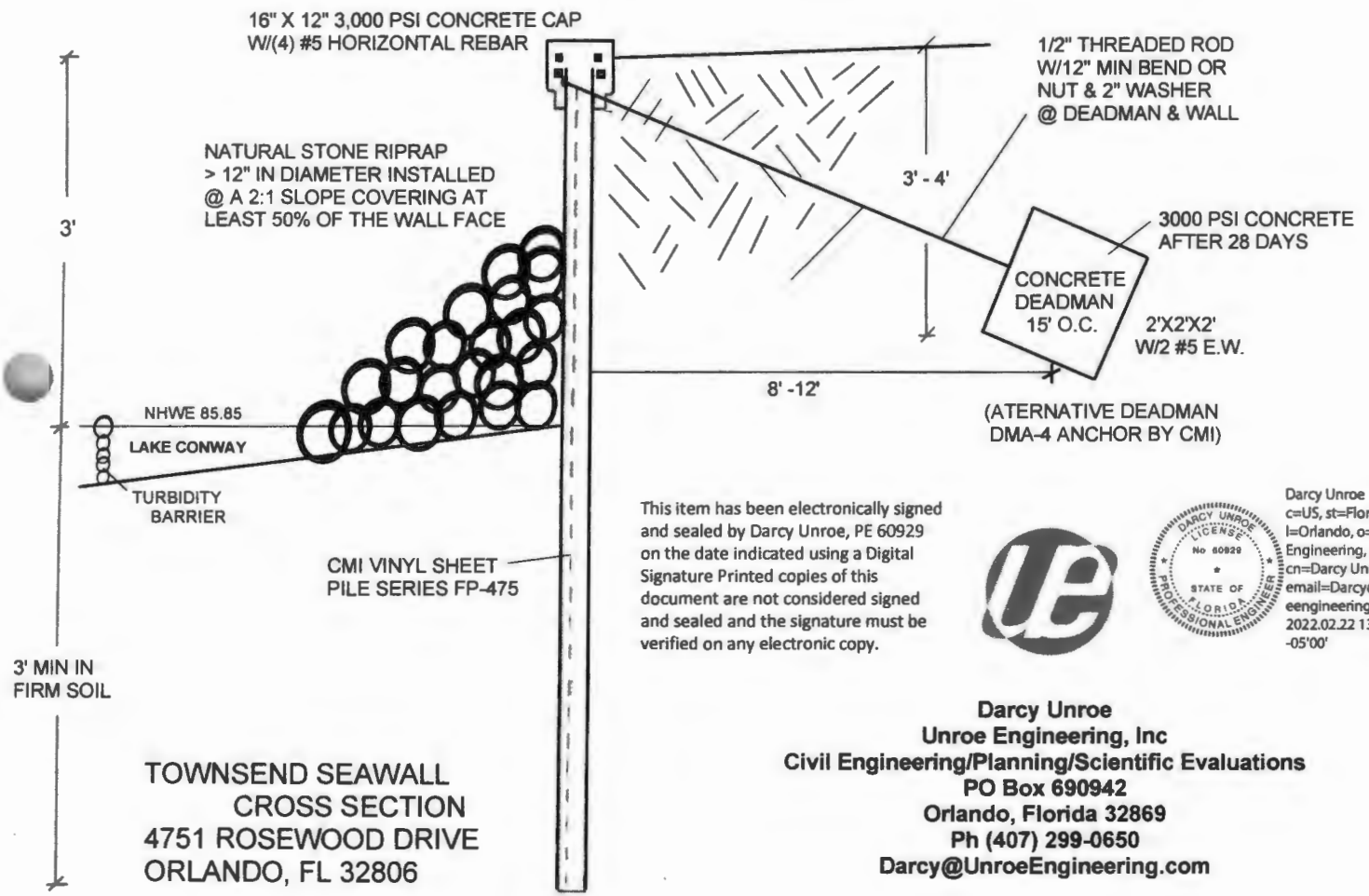
SURVEY DATE: 3/1/09	
NAME	TOWNSEND
DATE	3/1/09
CLIENT	CLAY TOWNSEND
LOCATION	4351 ROSEWOOD DRIVE, ORLANDO, FL 32806
PREPARED FOR	CLAY TOWNSEND
DATE	3/1/09
SCALE	1" = 40'
PROJECT NO.	078 30-23-MINORITA
DATE	3/1/09
PREPARED BY	RONALD E. SMITH
DATE	3/1/09
LOCATION	4351 ROSEWOOD DRIVE, ORLANDO, FL 32806
DATE	3/1/09

ACCURIGHT SURVEYS
of Orlando Inc., LLC #474
8012 E. Robinson St.
Orlando, Florida 32803
PHONE (407) 834-8314 FAX (407) 807-3777

XXXXXXXXXXXX
RONALD E. SMITH, PSM 5792
"THE DATE OF SIGNATURE DOES NOT DENY OR SUPERSEDE THE SIGNATURE FORMER DATE OF SIGNATURE."
THIS SURVEY MEETS THE "STANDARD OF PRACTICE" AS REQUIRED BY CHAPTER 117, FLORES STATUTES, AND LAND SURVEYING, PURSUANT TO SECTION 07.022 OF THE FLORIDA STATUTES.
"NOT VALID WITHOUT THE ORIGINAL SIGNATURE AND SEAL OF THIS FLORIDA LICENSED SURVEYOR AND SURVEYOR."
THE DIGITAL SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY RONALD E. SMITH, PSM 5792

received
2/22/22

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.



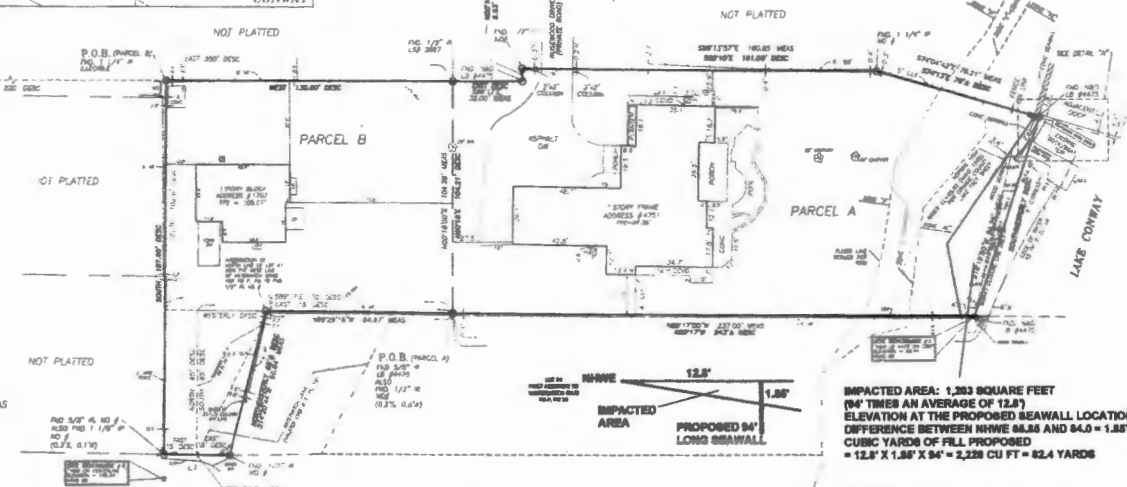
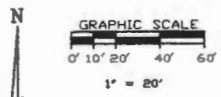
Darcy Unroe
c=US, st=Florida,
l=Orlando, o=Unroe
Engineering, Inc.,
cn=Darcy Unroe,
email=Darcy@unro
eengineering.com
2022.02.22 13:39:48
-05'00'

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



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, 19th SOUTH 192.8 FEET, THENCE S81°17'E ALONG OLD FENCE LINE 130 FEET FOR A POINT OF BEGINNING, THENCE N07°18'E, 104.21 FEET TO A POINT 820 FEET SOUTH AND 380 FEET OF S42° NORTHWEST CORNER OF SECTION 18, THENCE EAST 20 FEET, THENCE N07°18'E, 84.8 FEET, THENCE S81°17'E, 81 FEET, THENCE S27°17'E, 78 FEET MORE OR LESS TO THE WATERS EDGE OF LAKE CONWAY, THENCE SOUTHWESTERLY ALONG THE WATERS EDGE OF LAKE CONWAY TO A POINT S81°17'E OF THE POINT OF BEGINNING, THENCE S81°17'E, 243 FEET MORE OR LESS TO THE POINT OF BEGINNING. (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 192.8 FEET, THENCE EAST 15 FEET, THENCE NORTH 10 FEET, THENCE EAST 115 FEET, ALONG FENCE, THENCE NORTH 0°18' EAST 104.21 FEET TO A POINT 820 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 DRIVE, ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 707, PAGE 118, OF THE PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA, AND THE WEST LINE OF WATERWATCH DRIVE, (NOW INDICATED), RUN THENCE EAST 15 FEET, PLUS THENCE NORTHWESTERLY 80 FEET MORE OR LESS TO A POINT AT WHICH THE NORTH LINE OF LOT 41 AND THE WEST LINE OF WATERWATCH DRIVE INTERSECT, THENCE WESTERLY ALONG THE NORTH LINE OF LOT 41, TO A POINT 45 FEET NORTHERLY FROM THE POINT OF BEGINNING, THENCE SOUTH 85 FEET TO THE POINT OF BEGINNING.



- NOTES**
1. SEAWALL STRUCTURE IS ASSUMED AND BASED ON THE UNCHANGED SOUTH LINE OF THE DESCRIBED PARCEL, BEING 85 FT 17 IN.
 2. THIS SURVEY REFLECTS ONLY MATTERS OF RECORD AS PROVIDED BY THE CLIENT OR CLIENTS REPRESENTATIVE.
 3. SEAWALL DRIVING AND OBSERVABLE ELEVATION OF UTILITIES HAVE BEEN LOCATED BY FIELD SURVEY AND SHOWN HEREON. LOCATION OF UNDERGROUND UTILITIES AND THEIR DEPTHS TO SURFACE UTILITIES HAVE NOT BEEN DETERMINED BY THIS SURVEYOR. THE SURVEYOR HAS NOT PHYSICALLY LOCATED UNDERGROUND UTILITIES.
 4. THE BUILDING OF LOTS IN ZONING "M-1" OR "M-2", BASED ON FLOOD ELEVATION SET BY MS 10, 1980, OR COUNTY MS 120178, ORANGE COUNTY, FLORIDA, EFFECTIVE SEPTEMBER 22, 2004.
 5. THIS SURVEY WAS MADE WITHOUT BENEFIT OF COMMENT FOR TITLE.
 6. THIS SURVEY IS VALID ONLY FOR THE PURPOSES TO WHICH IT IS COMPILED.
 7. THIS SURVEY EXCEEDS THE ACCURACY REQUIREMENTS SET FORTH IN FLORIDA STATUTE.

LAND AREA
 LAND LYING WEST OF SURVEY CLOSURE LINE CONTAINS 45.85 SQUARE FEET OR 0.001 ACRES MORE OR LESS.
 LAND LYING EAST OF NORMAL HIGH WATER LINE AND WEST OF SURVEY CLOSURE LINE CONTAINS 1.84 SQUARE FEET, BEING 0.000 ACRES.

TOWNSEND SEAWALL IMPACT AREA & DREDGE CALCULATIONS

SURVEY DATE: 3/9/20

DATE	REVISION	BY
02/22/22	REV. FINISH LINE	JKC
02/22/22	REV. UNDERGROUND UTILITIES AND SIGNALS	JKC
02/22/22	REV. FLOOD ELEVATION AND ZONING ON PARCEL B	JKC
02/22/22	REV. ELEVATION WITH BEACH LINE AND 100 YEAR	JKC
02/22/22	LOCAL SURVEYING AND BEST PRACTICES	JKC
02/22/22	REVISIONS WILL BE MADE, UPON REQUEST	JKC

SCALE: 1" = 20'	DATE: 02/22/22	BY: JKC	JOB NUMBER: 22000
PREPARED FOR: CLAY TOWNSEND	LOCATION: 4781 ROSEWOOD DRIVE & 1703 WATERWATCH DRIVE, ORANGE COUNTY, FLORIDA	DATE: 02/22/22	BY: JKC

ACCURIGHT SURVEYS
 of Orlando Inc., LB 4478
 8018 S. Robinson St.
 Orlando, Florida 32803
 PHONE (407) 834-8314 (407) 887-3777

Richard D. Smith, PLS
 REGISTERED PROFESSIONAL SURVEYOR
 THE COST OF SURVEYING SERVICES SET FORTH ON THIS STATEMENT IS BASED ON THE ASSUMPTIONS SET FORTH ON THIS STATEMENT.
 THIS REPORT MEETS THE "STANDARDS OF PRACTICE" AS REQUIRED BY CHAPTER 111, FLORESA STATUTES OF LAWS PURSUANT TO SECTION 111.05(1) OF THE FLORIDA STATUTES.
 THIS REPORT REPRESENTS THE ORIGINAL SURVEY AND SEAL OF THE FLORIDA LICENSED SURVEYOR AND MAPPER. THE ORIGINAL SURVEYING OF THIS DOCUMENT WAS AUTHORIZED BY RESOLUTION 2019-001.

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.

