



Interoffice Memorandum

May 3, 2023

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

FROM: Tim Boldig, Interim Director
Planning, Environmental, and Development
Services Department

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

SUBJECT: June 6, 2023 – Public Hearing
Shoreline Alteration/Dredge and Fill Permit Application for
Trevor Martin (SADF-22-09-025)

The applicant, Trevor Martin, is requesting a Shoreline Alteration Dredge and Fill (SADF) Permit to authorize the construction of a new seawall, faced with riprap and plantings, on the shoreline of Lake Holden. The property is located at 819 Springwood Drive, Orlando, FL 32839 (Parcel ID No. 11-23-29-9592-04-070) in District 3.

The applicant is proposing to construct approximately 52 feet of new, vinyl seawall along the shoreline of the subject property. The seawall will include two eight-foot returns, one at each end of the seawall. The adjacent property owner to the west (Robert Thollander at 813 Springwood Drive) is also requesting an SADF Permit for a new seawall and there are several existing seawalls on Lake Holden.

There is demonstrable erosion occurring on the shoreline and the applicant has lost some shoreline area that was previously rear yard. The applicant is proposing to reclaim some of the yard that has eroded into the lake by constructing a portion of the seawall waterward of the Normal High Water Elevation (NHWE), which will result in approximately 22 square feet of impact to the lake. The seawall will be constructed no further than 14 inches waterward of the NHWE. To offset the surface water impacts, the applicant has agreed to pay \$38 to the Conservation Trust Fund, if the SADF Permit Application is approved.

Based on prior Board direction, riprap and plantings are required for new seawalls; therefore, the applicant will install riprap and plantings waterward of the new seawall. There is an existing drainage pipe along the eastern property line within an Orange County Drainage Easement. The pipe will not be blocked or altered by the seawall or riprap. Furthermore, staff from both the Orange County Stormwater Management Division and the Orange County Roads and Drainage Division have reviewed the proposed plans and have no objections.

In accordance with Orange County Code, Chapter 15, Article VI, Section 15-218(d), notification of the public hearing was sent to property owners within 500 feet of the project site. The Environmental Protection Division (EPD) has received no objections to the request.

Pursuant to Orange County Code, Chapter 15, Article VI, EPD has evaluated the proposed SADF permit application and required documents and has made a finding that the request is consistent with Section 15-218.

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 period following the date of rendition of the Board's decision approving the permit, unless a petition for writ of certiorari or other legal challenge has been filed within this timeframe. Any timely filed petition or other challenge shall stay the effective date of this permit until the petition or other challenge is resolved in favor of the Board's decision.
2. The operational phase of this permit is effective upon the completion of construction and continues in perpetuity.
3. Construction activities shall be completed in accordance with the engineered plans ('Site Plan' and 'Seawall Cross Section') signed and sealed by Pedro Medina, P.E. and received by EPD on March 27, 2023. 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 or extended, this permit shall be void and a new permit application with fee will be required.
4. In the event that the permitted activity has not been completed within one year, the Environmental Protection Officer may grant a permit extension of up to one additional year. Requests for permit extension must be submitted to EPD prior to the expiration date. No changes to the approved plans will be authorized with a permit extension.
5. Riprap shall be installed waterward of the new vinyl seawall in accordance with the engineered plans signed and sealed by Pedro Medina, P.E. and received by EPD on March 27, 2023. The riprap shall be installed at a slope no steeper than two (horizontal) to one (vertical), extend at least halfway up the face of the seawall, and measure between 12 inches to three feet in diameter. 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.
6. Installation of plantings must be initiated within 30 days and be completed within 60 days of installation of the riprap in accordance with the engineered plans signed and sealed by Pedro Medina, P.E., received by EPD on March 27, 2023. After one year, if 80 percent areal coverage of native emergent or aquatic plant species is not established, additional plantings may be required.
7. The permittee may maintain a clear access corridor below the NHWE of 89.97 feet (NAVD88) above mean sea level for Lake Holden, not to exceed 30 feet or 20 percent of the total shoreline length in width, whichever is greater, and 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.

8. This permit does not authorize any dredging or filling except that which is necessary for the installation of the seawall, riprap, and native vegetation plantings, as depicted on the approved plans.
9. Prior to initiation of construction activities, the applicant will provide a mitigation payment of \$38 to the Conservation Trust Fund to offset impacts to 22 square feet of surface waters.
10. Turbidity and sediment shall be controlled to prevent off-site, unpermitted impacts and violations of water quality standards pursuant to Rules 62-302.500, 62-302.530, and 62-4.242, F.A.C. Best Management Practices (BMPs), as specified in the State of Florida Erosion and Sediment Control Designer and Reviewer Manual (2013, or most current version), shall be installed and maintained at all locations where there is the possibility of transferring sediment, turbidity, or other pollutants into wetlands and/or surface waters due to the permitted activities. BMPs are performance based; if selected BMPs are ineffective or if site-specific conditions require additional measures, then the permittee shall implement additional or alternative measures as necessary to prevent adverse impacts to wetlands and/or surface waters. Turbidity discharging from a site must not exceed 29 Nephelometric Turbidity Units (NTU) over background for Class III waters and their tributaries or 0 NTU over background for those surface waters and tributaries designated as Outstanding Florida Waters (OFWs).
11. Discharge of groundwater from dewatering operations requires approval from FDEP and the applicable Water Management District. The operator/contractor shall obtain an FDEP Generic Permit for the Discharge of Ground Water from Dewatering Operations pursuant to the requirements of Chapters 62-621.300(2)(a) and 62-620, F.A.C., and Chapter 403 FS. Discharges directed to the County's MS4 require an Orange County Right-of-Way Utilization Permit for Dewatering prior to the start of any discharges.

General Conditions:

12. 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 review prior to applying for a Building Permit. For further information, please contact the OCZD at (407) 836-5525.
13. After approval by 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.
14. Subject to the terms and conditions herein, the permittee is hereby authorized to perform or cause to be performed, the impacts shown on the application and approved drawings, plans, and other documents attached hereto or on file with EPD. The permittee binds themselves and any successors to comply with the provisions and conditions of this permit. If EPD determines at any time that activities 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 holder promptly thereafter.
15. Issuance of this permit does not warrant in any way that the permittee has riparian or property rights to construct any structure permitted herein and any such construction is done at the sole risk of the permittee. 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 owners' riparian or other property rights, the permittee agrees to either obtain written consent or to remove the offending structure or encroachment within 60 days from the date of the adjudication. Failure to comply shall constitute a material breach of this permit and shall be grounds for its immediate revocation.

16. This permit does not release the permittee 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 permittee or create in the permittee any property right, 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 permittee, or convey any rights or privileges other than those specified in the permit and Chapter 15, Article VI of the Orange County Code. If these permit conditions conflict with those of any other regulatory agency, the permittee shall comply with the most stringent conditions. The permittee shall immediately notify EPD of any conflict between the conditions of this permit and any other permit or approval.
17. The permittee is 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 permittee is responsible for obtaining any necessary authorizations from the Board of Trustees prior to commencing activity on sovereignty lands or other state-owned lands.
18. Should any other regulatory agency require changes to the property or permitted activities, the permittee 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.
19. EPD shall have final construction plan approval to ensure that no modification has been made during the construction plan process.
20. The permittee shall immediately notify EPD in writing of any previously submitted information that is later discovered to be inaccurate. EPD may revoke the permit upon discovery of information that may cause pollution to water bodies, cause an adverse impact on the riparian rights of other waterfront property owners, or impede the traditional use and enjoyment of the waterbody by the public.
21. EPD staff, with proper identification, shall have permission to enter the site at any reasonable time to ensure conformity with the plans and specifications approved by the permit.
22. The permittee shall notify EPD, in writing, within 30 days of any sale, conveyance, or other transfer of ownership or control of the permitted system or the real property at which the permitted system is located. The permittee shall remain liable for any corrective actions that may be required as a result of any permit violations until the permit is legally transferred.
23. The permittee shall hold and save the County harmless from any and all damages, claims or liabilities, which may arise by reason of the activities authorized by the permit.

24. 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 permittee.
25. The permittee agrees that any dispute arising from matters relating to this permit shall be governed by the laws of Florida and initiated only in Orange County.
26. 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 applicant 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 applicant fails to obtain the requisite approvals or fulfill the obligations imposed by a state or federal agency or undertakes actions that result in a violation of state or federal law.
27. Pursuant to Section 125.022 FS, the applicant shall obtain all other applicable state or federal permits before commencement of construction.

ACTION REQUESTED: **Acceptance of the findings and recommendation of the Environmental Protection Division staff and approval of Shoreline Alteration/Dredge and Fill Permit SADF-22-09-025 for Trevor Martin, subject to the conditions listed in the staff report. District 3**

DDJ/TB: jk

Attachments

Application for Shoreline Alteration/Dredge and Fill



**Shoreline Alteration Dredge and Fill
Permit Request
SADF-22-09-025
District #3**

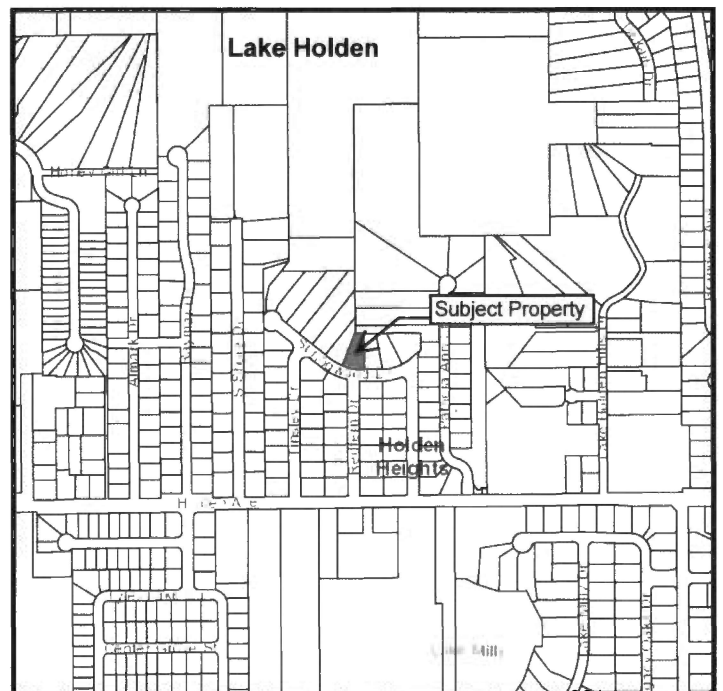
Applicant: Trevor Martin

Address: 819 Springwood Drive

Parcel ID: 11-23-29-9592-04-070

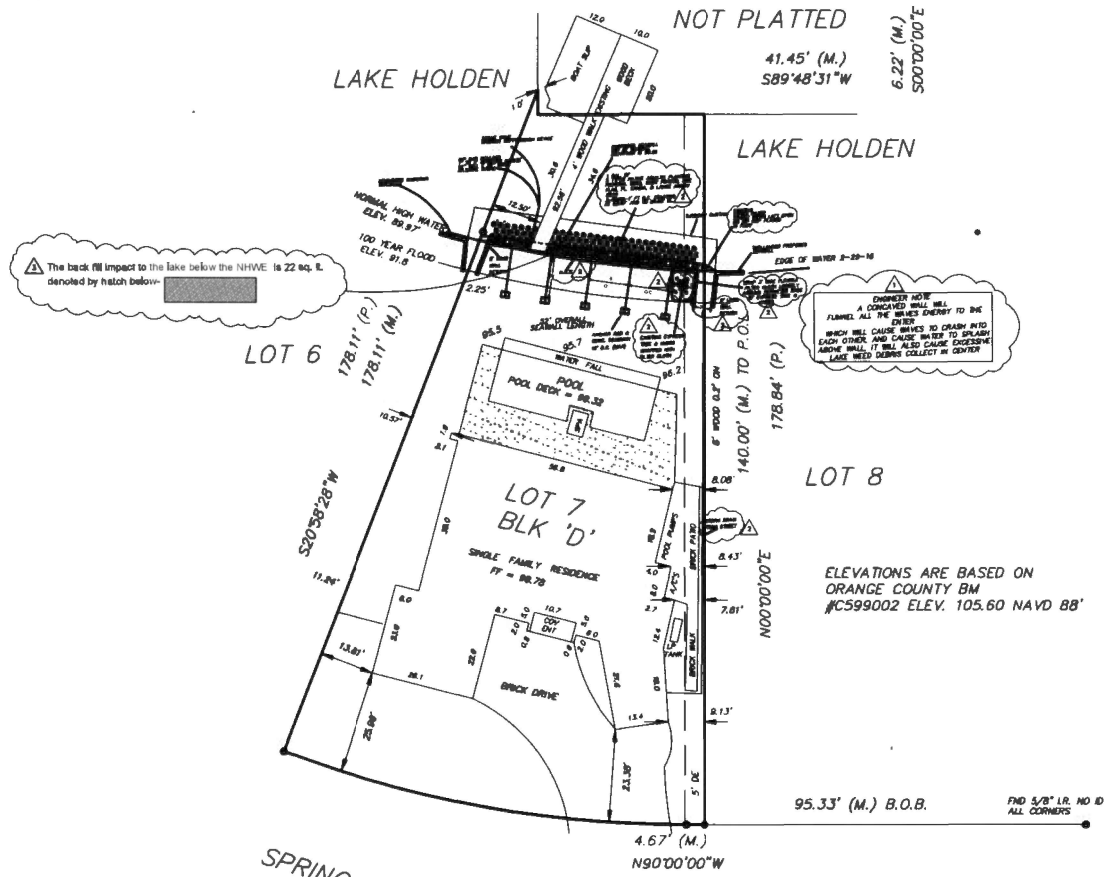
Project Site

Property Location



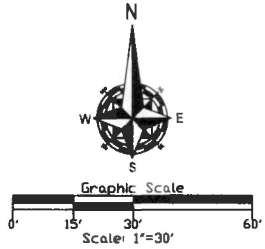
received
3/27/2023

SITE PLAN



⚠ The back fill impact to the lake below the NHWE is 22 sq. ft. denoted by hatch below:

⚠ ENGINEER NOTE
A CONCRETE WALL WILL FLANGE ALL THE WAVES ENERGY TO THE CENTER WHICH WILL CAUSE WAVES TO CRASH INTO EACH OTHER AND CAUSE WATER TO SPASH ABOVE WALL. IT WILL ALSO CAUSE EXCESSIVE LAKE WEED DEBRIS COLLECT IN CENTER



KLP DESIGN SERVICES
25 S. WATLAND AVENUE, SUITE 216
MAITLAND, FL 32751
Phone (407) 947-7549
EMAIL: TIPS@KLPDESIGN.COM

Pedro L. Medina, P.E.
Professional Engineer
Fl. P.E. # 73579
pedro@prodcfl.com

Digitally signed by PEDRO L. MEDINA, FL P.E. #73579. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

Specialty Marine
TREVOR MARTIN
PARCEL # 11-23-29-8692-04-070
619 SPRING WOOD DR.
ORLANDO FL 32835

SPECIALTY MARINE CONTRACTORS INC.

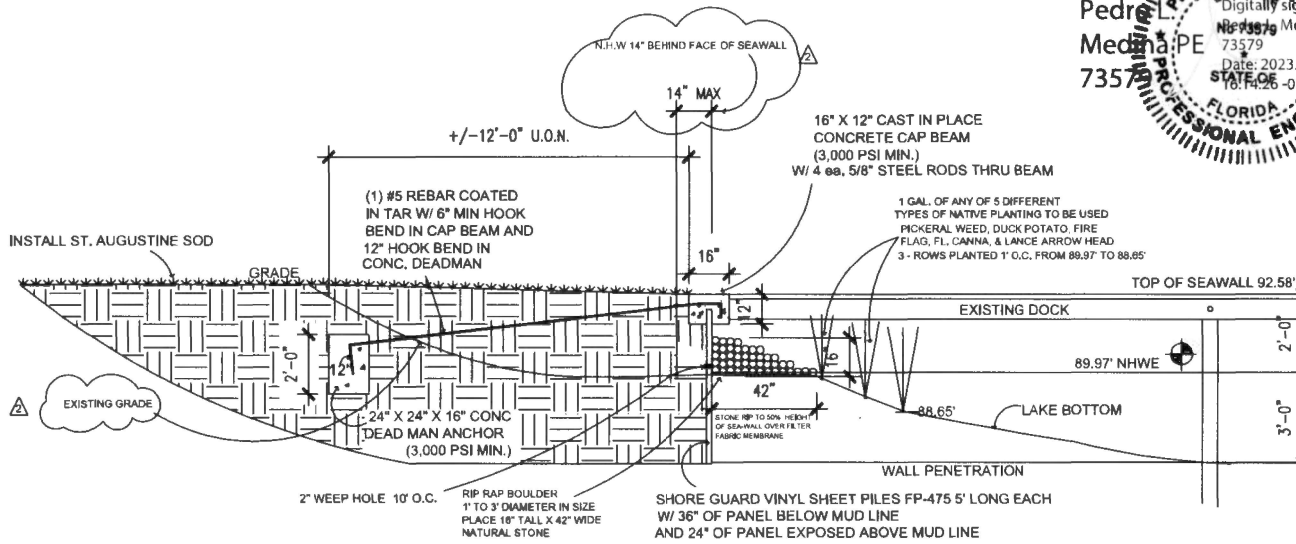
Rev. No.	Description	Date
1	ISSUED	01-21-2023
2	REVISION	02-15-2023
3	REVISION	02-28-2023

Drawn By: [Signature]
Reviewed By: [Signature]
Title: [Blank]
Scale: 1" = 30'-0"

SITE PLAN

SP

received
3/27/2023



Pedro L. Medina, P.E.
73579
Date: 2023.03.24
16:14:26 -0400
FLORIDA PROFESSIONAL ENGINEER

ENGINEER NOTE
A CONCAVED WALL WILL FUNNEL ALL THE WAVES ENERGY TO THE ENTER WHICH WILL CAUSE WAVES TO CRASH INTO EACH OTHER, AND CAUSE WATER TO SPLASH ABOVE WALL. IT WILL ALSO CAUSE EXCESSIVE LAKE WEED DEBRIS COLLECT IN CENTER.

- DESIGN REQUIREMENTS**
- A. FLOORS LIVE LOAD IS 40 PSF, BALCONIES, DECKS, STAIRS, LIVE LOAD IS 80 PSF.
 - B. ROOF LIVE LOAD IS 30 PSF
- CONSTRUCTION TYPE V-B**
- NOTE THIS STRUCTURE HAS BEEN DESIGNED TO MEET OR EXCEED REQUIREMENTS OF THE 2020 FLORIDA BUILDING CODE RESIDENTIAL 7TH EDITION PER ASCE 7-16
1. DESIGN WIND SPEED - V AND 100MPH V-W - 140MPH
 2. RISK FACTOR R
 3. WIND EXPOSURE - CATEGORY (D)
 4. INTERNAL PRESSURE COEFFICIENT - (ASCE 7-16) OPEN BUILDINGS - 0.0
HEIGHT AND EXPOSURE ADJUSTMENT COEF. - (+1.28)
PER FBOR 2020 7TH EDITION R301.2(3)
 5. COMPONENTS AND CLADDING - PER FBOR 2020 7TH EDITION R301.2(2) SEE WINDOW AND DOOR REQUIREMENTS

SEA WALL CROSS SECTION
1/4" = 1'-0"

KLP DESIGN SERVICES
25 S. WILSON BLVD, SUITE 204
MAITLAND, FL 32751
Phone (407) 947-7540
EMAIL: KLP@KLPDESIGN.COM

Pedro L. Medina, P.E.
Professional Engineer
P. E. # 73579
pedro@prodcl.com

INSTALL 100% RIP RAP OVER FILTER FABRIC MEMBRANE

Specialty Marine
TREVOR MARTIN
PARCEL # 11-2-25-9659-04-070
819 SPRING WOOD DR.
ORLANDO FL 32839

SPECIALTY MARINE
CONTRACTORS INC

Job No.	16000
Phase	16-03-2023
Drawn By	T. MEDRY
Checked By	T. MEDRY
Date	08-24-2022
Scale	1/4" = 1'-0"

SEAWALL
CROSS SECTION

S1



