



Interoffice Memorandum

Received on May 3, 2024
Deadline: May 28, 2024
Publish: June 2, 2024

May 2, 2024

To: Jennifer Lara-Klimetz, Assistant Manager
Comptroller Clerk's Office

Through: Cheryl Gillespie, Agenda Development Supervisor
Agenda Development

From: Renée H. Parker, LEP, Manager
Environmental Protection Division
(407) 836-1420

A handwritten signature in blue ink that reads "Renée H. Parker".

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

Subject: Request for Public Hearing on June 18, 2024, at 2:00 p.m., for a Shoreline Alteration/Dredge and Fill Permit Application (SADF-23-04-012) to authorize the construction of a new vinyl seawall with riprap and plantings along the shoreline of Lake Butler at 12607 W. Lake Butler Road, Windermere, Florida, 34786, Parcel ID No. 12-23-27-0000-00-010; District 1

Applicants: Thomas and Tami Karr

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

Hearing required by Florida Statute # or Code: Chapter 33, Article IV, Windermere 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 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).

Estimated time required For public hearing: 2 minutes

May 2, 2024

Request for Public Hearing – Shoreline Alteration/Dredge and Fill Permit Application for Thomas and Tami Karr (SADF-23-04-012)

Lake Advisory Board

To be notified:

Windermere Water & Navigational Control District
Ijaz Ahmed (Chairman) – ijzahmed736@gmail.com

Municipality or other

Public Agency to be notified:

Florida Department of Environmental Protection,
DEP_CD@FloridaDEP.gov

Hearing Controversial: No

District #: 1

Materials being submitted as backup for public hearing request:

1. Location Map
2. Site Plan
3. Site Photos

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 applicant.

Advertising Language:

1. Applicants, Thomas and Tami Karr, are requesting a Shoreline Alteration/Dredge and Fill Permit Application (SADF-23-04-012) to authorize the construction of a new vinyl seawall along the shoreline of Lake Butler at 12607 W. Lake Butler Road, Windermere, Florida, 34786, pursuant to Chapter 33, Article IV, Windermere Water and Navigational Control District; Parcel ID No. 12-23-27-0000-00-010; District 1 (property legal description on file at EPD).

CD/KGK/TMH/ERJ/RHP:rt

Attachments

Shoreline Alteration/Dredge and Fill Permit Request



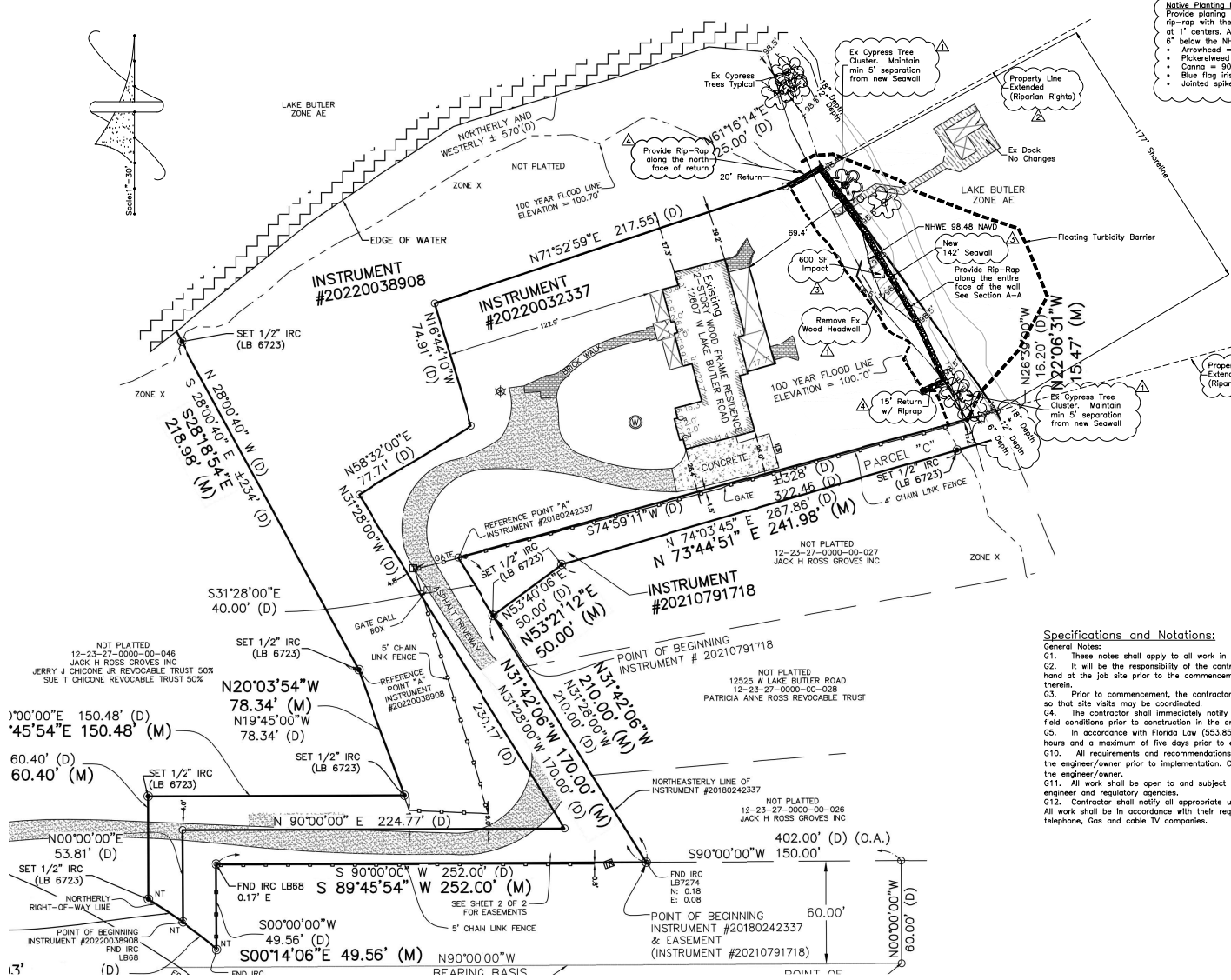
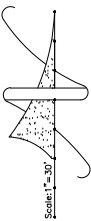
**Shoreline Alteration / Dredge and Fill
Permit Request
SADF-23-04-012
District #1**

Applicants: Thomas and Tami Karr

Address: 12607 W. Lake Butler Road
Parcel ID: 12-23-27-0000-00-010

**Project Site
Property Location**





Native Planting Note:
 Provide planting zone waterword of the rip-rap with the following plants installed at 1' centers. All plants shall be approx 6" below the N.H.W.E.
 • Arrowweed = 90 plants
 • Pickerelweed = 90 plants
 • Canna = 90 plants
 • Blue flag iris = 90 plants
 • Jointed spikerush = 90 plants



Project Description
 Install new seawall to serve an existing residence.

- Notes:**
- All concrete shall be 3,000 psi @ 28 days
 - All steel fasteners and tie-rods shall be hot drop galvanized per ASTM A-153 with 20 oz. of zinc per sq ft or be stainless steel (Grade 304 or 316).
 - If tie-rod is not stainless steel, exposed regions (section between wale and sheet pile) to be field treated with bitumastic coating.
 - Backfill shall be clean, granular material (GW, GP, SW or SP per ASTM D-2487) and compacted to 95% max density.
 - Provide Type 1 Floating turbidity barriers for erosion control per site plan.
 - All construction shall conform to 2014 Florida Building Code.
 - Adjustment to tie rods may be permitted to accommodate site conditions.
 - A guard rail is required to be installed per FBC where the top of the proposed wall is greater than 30" above grade.

Specifications and Notations:

- General Notes:**
- These notes shall apply to all work in this set of drawings.
 - It will be the responsibility of the contractor(s) to insure that all required permits are obtained and are in hand at the job site prior to the commencement of construction. Contractors shall abide by all conditions contained therein.
 - Prior to commencement, the contractor shall provide a construction schedule for various site work elements so that site visits may be coordinated.
 - The contractor shall immediately notify the engineer of any discrepancies found between the drawings and the field conditions prior to construction in the area impacted by the conflict.
 - In accordance with Florida Law (553.851) the contractor must notify the gas or other utility a minimum of 48 hours and a maximum of five days prior to excavation. (Excluding weekends).
 - All requirements and recommendations of inspection personnel other than the owner's shall be reported to the engineer/owner prior to implementation. Compensation will not be allowed for work which is not authorized by the engineer/owner.
 - All work shall be open to and subject to inspection by authorized personnel of the utility companies, project engineer and regulatory agencies.
 - Contractor shall notify all appropriate utility companies and water management agencies of proposed start up. All work shall be in accordance with their requirements; including but not limited to water, sewer, drainage, power, telephone, Gas and cable TV companies.

Revisions		Date	Description
1	3/26/24	7/17/23	Extend Riprap
2	7/17/23	7/17/23	Adjust wall loc.
3	7/17/23	7/17/23	FDEP RM
4	7/17/23	7/17/23	EPD RM

Unroe Engineering, Inc
 Civil Engineering/Planning/Scientific Evaluation
 PO Box 690942, Orlando, FL 32869-0942
 Business Authorization Number - EB 0006079 ph (407) 259-0650

Seawall Installation Plan
 The Karr Residence at
 12807 W Lake Butler Rd, Wintermere, Florida 34786

DP	Drawn
DP	Checked
1"=30'	Scale
4/4/23	Date
Karr-C1	File
Dwg. No.	

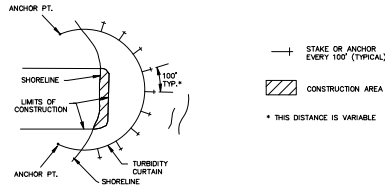


Darcy Unroe
 =US, st=Florida,
 =Orlando, o=Unroe
 Engineering, Inc.,
 cn=Darcy Unroe,
 email=Darcy@unroeeng
 ineering.com
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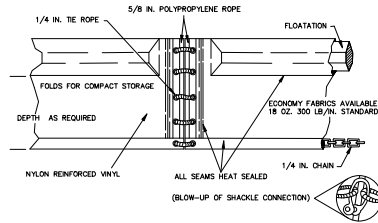
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received
 4/29/2024

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TYPICAL LAYOUTS OF FLOATING TURBIDITY BARRIERS
STREAMS, PONDS, AND LAKES (PROTECTED AND NON-TIDAL)



TYPE I FLOATING TURBIDITY BARRIER

Floatation Material:
Expanded Polyethylene Logs, 6" diameter, 55" Long, enclosed in 22 oz/sy PVC coated nylon or polyester (400 lbs min. tensile strength)
Curtain Material:
Silt film woven polypropylene (300 lbs min. tensile strength)
Curtain Weight:
1" Galvanized steel chain.

Grading & Drainage Specifications:

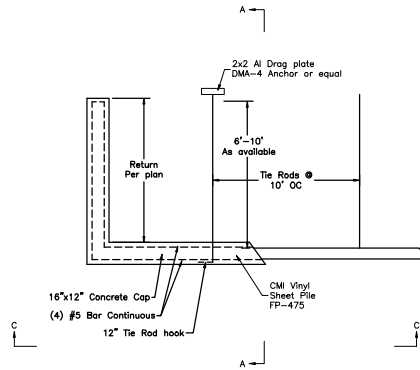
- In accordance with Florida Law (553.851) the contractor must notify the gas or other utility a minimum of 48 hours and a maximum of five days prior to excavation. (Excluding weekends).
- Contractor shall verify all existing grades in the field and shall notify the engineer of any discrepancies prior to construction.
- Where new earthwork meets existing, smoothly blend line and grade of existing and new to provide vertical curves at the top and bottom of all slopes.
- Excavation required within proximity of utility lines shall be done by hand. Contractor shall repair any damage to existing utilities incurred during construction.
- All points of construction ingress and egress shall be maintained to prevent tracking or flow of sediment onto public roads, adjacent wetlands or bodies of water.

E - Erosion and Siltation Control

- A suitable perimeter silt fence shall be constructed and maintained for the duration of the project. The silt fence shall be built at the "silt fence line" as defined on the plans. Outlets and discharge points shall be protected with two layers of hay bales and filter cloth. Adjacent wetlands and open bodies of water, contractor must use a double fence separated by 5 feet. (See sheet for specific erosion control placement and details.)
- Sod all disturbed areas not shown as landscaping, slopes 6:1 or greater, swales, and ponds.
- Protect at all time against runoff or dewatering pollution of any downstream area or adjacent properties. Correct problems immediately.

Design Load Table

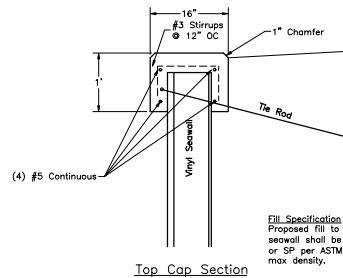
Category	Load
Floor Live Load	- 60 psf
Decks & Walkways	- 20 psf
Roofs	- 20 psf
Wind Design Data	
Ultimate Wind Speed	- 139 mph
Basic Wind Speed	- 108 mph
Risk Category	- III
Wind Exposure	- D
Exposure Class	- Not Enclosed
Int. pressure Coeff.	- 0.55/-1
Peak Wind Load	- 35.99 psf



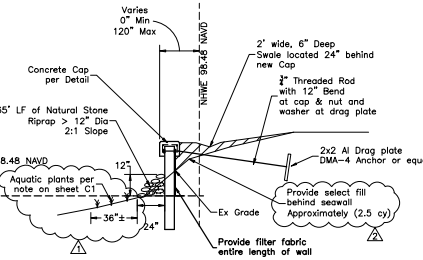
Top View (B-B)
Scale: 1/4"=1'

Elevations NWD/NWD
Top of Cap 102.00 NAVD
Top of Wall 101.50 NAVD
NHW 98.48 NAVD
Bottom 95.00 NAVD

Elevation View (C-C)
Scale: 1/4"=1'



Fill Specification
Proposed fill to be placed behind the proposed seawall shall be clean, granular material (GW, GP, SW or SP per ASTM D-2487) and compacted to 95% max density.



Section View (A-A)
Scale: 1/4"=1'

Design Statement

The seawall design and details are based on the Florida Building Code 2023 8th edition.



Darcy Unroe
c=US, st=Florida,
l=Orlando, o=Unroe
Engineering, Inc.,
en=Darcy Unroe,
email=Darcy@unroe
engineering.com
2024.04.29 08:33:48
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Unroe Engineering, Inc
Civil Engineering/Planning/Scientific Evaluation
P.O. Box 690942, Orlando, FL 32869-0942
Business Authorization Number - EB 0006679 ph. (407) 259-0650

Seawall Installation Details
The Karr Residence at
12807 W Lake Butler Rd, Wintermere, Florida 34786

DP	Drawn
DP	Checked
perplan	Scale
4/8/23	Date
Karr-C2	File
Dwg. No.	

C2

2 of 2

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4/29/2024

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