

Shoreline Alteration/Dredge and Fill Permit Request

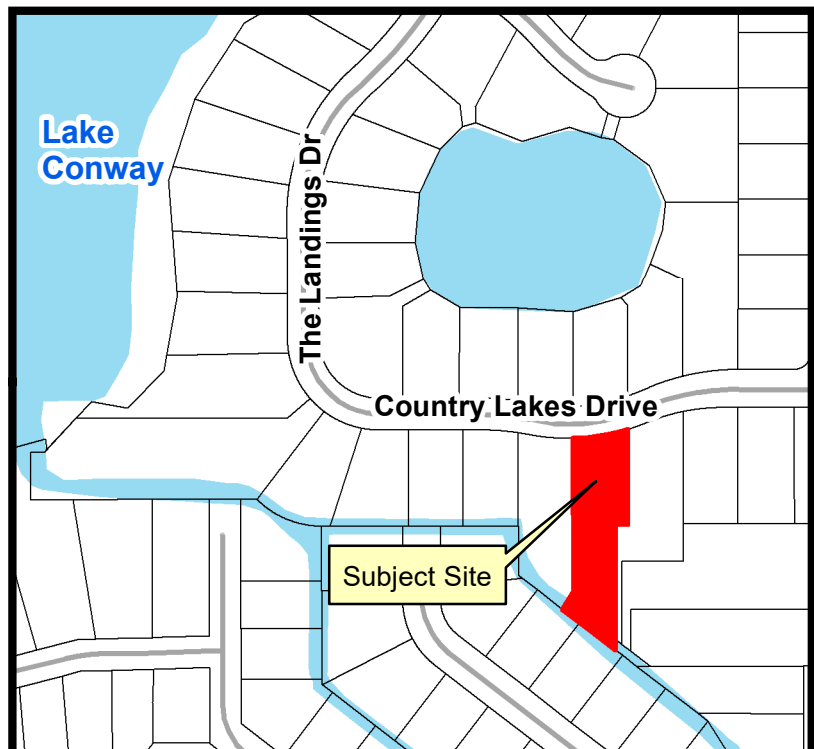


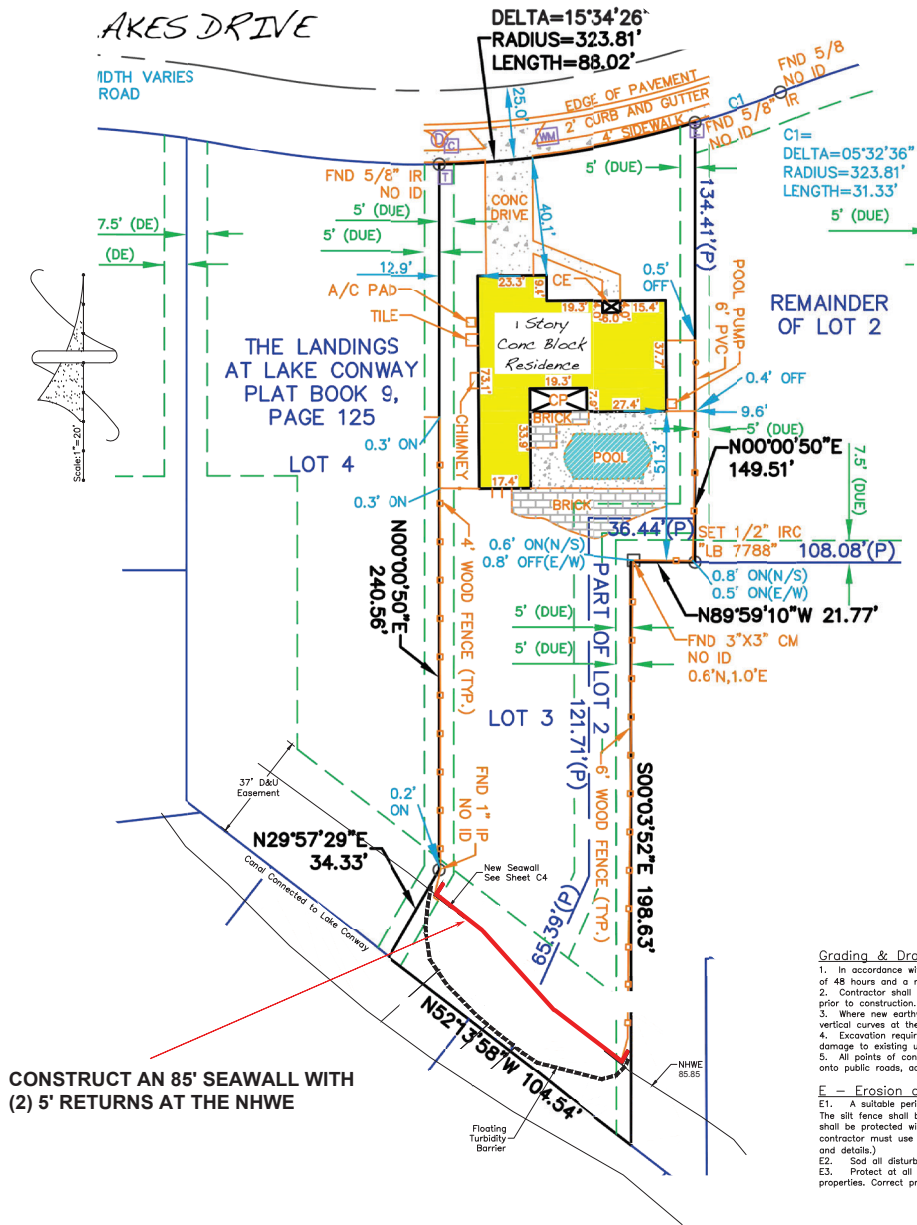
**Shoreline Alteration/Dredge
and Fill Permit Request**
SADF-25-05-012
District #3

Applicant: Daniel Joseph McCartin
Address: 3538 Country Lakes Drive
Parcel ID: 20-23-30-4980-00-030

Project Site 

Property Location 





CONSTRUCT AN 85' SEAWALL WITH
(2) 5' RETURNS AT THE NHWE

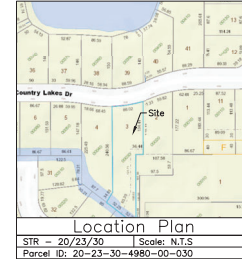
Legal Description
Lot 3, and that portion of Lot 2, lying Westerly of the Southerly extension of the East line of Lot 3, THE LANDINGS AT LAKE CONWAY, as recorded in Plat Book 5, Page 125 and 126 of the Public Records of Orange County, Florida.

Schedule of Drawings

C1 - Cover Sheet & Site Plan

C4 - Seawall Installation Plan

Site Address:
640 Old Horatio Ave.
Maitland, Florida 32751
Parcel ID: 30-21-30-5180-00-060



Project Description
Install new private boat dock & seawall on an residential property.

Design Load Table

Floor Live Loads	- 80 psf
Decks & Walkways	- 20 psf
Roofs	- 20 psf
Wind Design Data	
Ultimate Wind Speed	- 139 mph
Basic Wind Speed	- 108 mph
Risk Category	- II
Wind Exposure	- D
Exposure Class	- Not Enclosed
Int pressure Coeff	- 0.95+/-
Peak Wind Load	- 35,99 psf

Project Data

General Information	
Total Site Area	0.46 Ac (20,170 sf)
Width at NHWL	81.0 lf
Construction Data	
Construction Type	V
Building Description	PT Wood & Shingle Roof
Applicable Codes	
Florida Building Code	2023

Wood Frame Construction Notes:

- Design Parameters: per Load Table
- Lumber exposed to weather or contacting concrete or steel shall be pressure treated (PT)
- All lumber in contact with concrete products shall be shielded by a protective barrier.
- All fasteners in contact with pressure treated lumber are to be hot dipped galvanized or stainless steel.
- All dimensions shall be field verified. The engineer and owner shall be notified immediately of any discrepancies from dimensions or field conditions noted herein.
- Elevation views are for visual reference only. Always refer to layout plans for specified measurements.
- Anchor positions shall have a tolerance of $\pm 2"$.
- Written dimensions supercede scaled dimensions in all cases. Any dimensional discrepancies shall be brought to the attention of the engineer immediately.

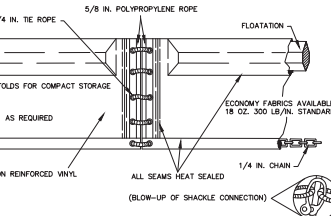
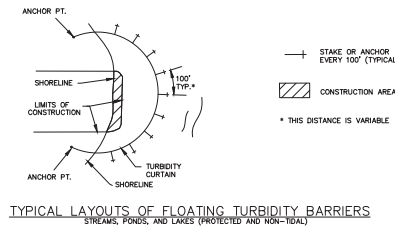
Specifications and Notations:

- 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.



Darcy Unroe
c=US, st=Florida,
l=Orlando, o=Unroe
Engineering, Inc.,
cn=Darcy Unroe,
email=Darcy@unroe
engineering.com
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THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY DARCY UNROE PE
60929 ON THE DATE ADJACENT TO THE SEAL.
PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED
AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.



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
lb min. tensile strength)
Curtain Material:
Silt film woven polypropylene (300 lbs min. tensile
strength)
Curtain Weight:
2" 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.

Change	Order	Date	Description

Revisions

Unroe Engineering, Inc
Civil Engineering/Planning/Scientific Evaluation
PO Box 600942, Orlando, FL 32669-0942
Business Authorization Number - EB 00060579 ph (407) 239-0650

Cover Sheet & Site Plan
The MCCARTIN Residence
3538 Country Lakes Dr, Belle Isle, FL 32812

DP	Drawn
DP	Checked
1"=20'	Scale
6/18/24	Date
Dock-C1	File

Dwg. No.

C1

1 of 4

June 2, 2025



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



- Notes:
- 1. All Concrete shall be 3,000 psi @ 28 days
- 2. All steel fasteners and tie-rods shall be hot or cold galvanized
- 3. per ASTM A-153 with a min. of 2% of zinc per sq. ft. or be stainless steel (Grade 304 or 316).
- 4. If tie-rod is not stainless steel, exposed regions (section between wire and steel pile) to be field treated with bituminous coating.
- 5. Backfill shall be clean, granular material (GW, GP, SW or SP per ASTM D-2487) and compacted to 95% max density.
- 6. Flooded Type Floating turbidity barriers for erosion control per site plan.
- 7. All construction shall conform to 2014 Florida Building Code.
- 8. Adjustment to tie rods may be permitted to accommodate site conditions.
- 9. 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:

- G1. These notes shall apply to all work in this set of drawings.
- G2. 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.
- G3. Prior to commencement, the contractor shall provide a construction schedule for various site work elements to be reviewed and approved by the owner.
- G4. 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.
- G5. In accordance with Florida Law (SOS) the contractor shall notify the gas or other utility a minimum of 48 hours and a maximum of five days prior to excavation. (Excluding weekends).
- G10. 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.
- G11. All work shall be open to and subject to inspection by authorized personnel of the utility companies, project engineer, and the owner.
- G12. 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, and telecommunications.

Design Statement

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



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Civil Engineering/Planning/Scientific Evaluation
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Business Authorization Number - EB 0006579 ph (407) 299-0650

Seawall Insallation Plan

DP	Draw
DP	Check
per plan	Scale
6/18/24	Date
docke4	File

Dwg. No.

C4

4 4

