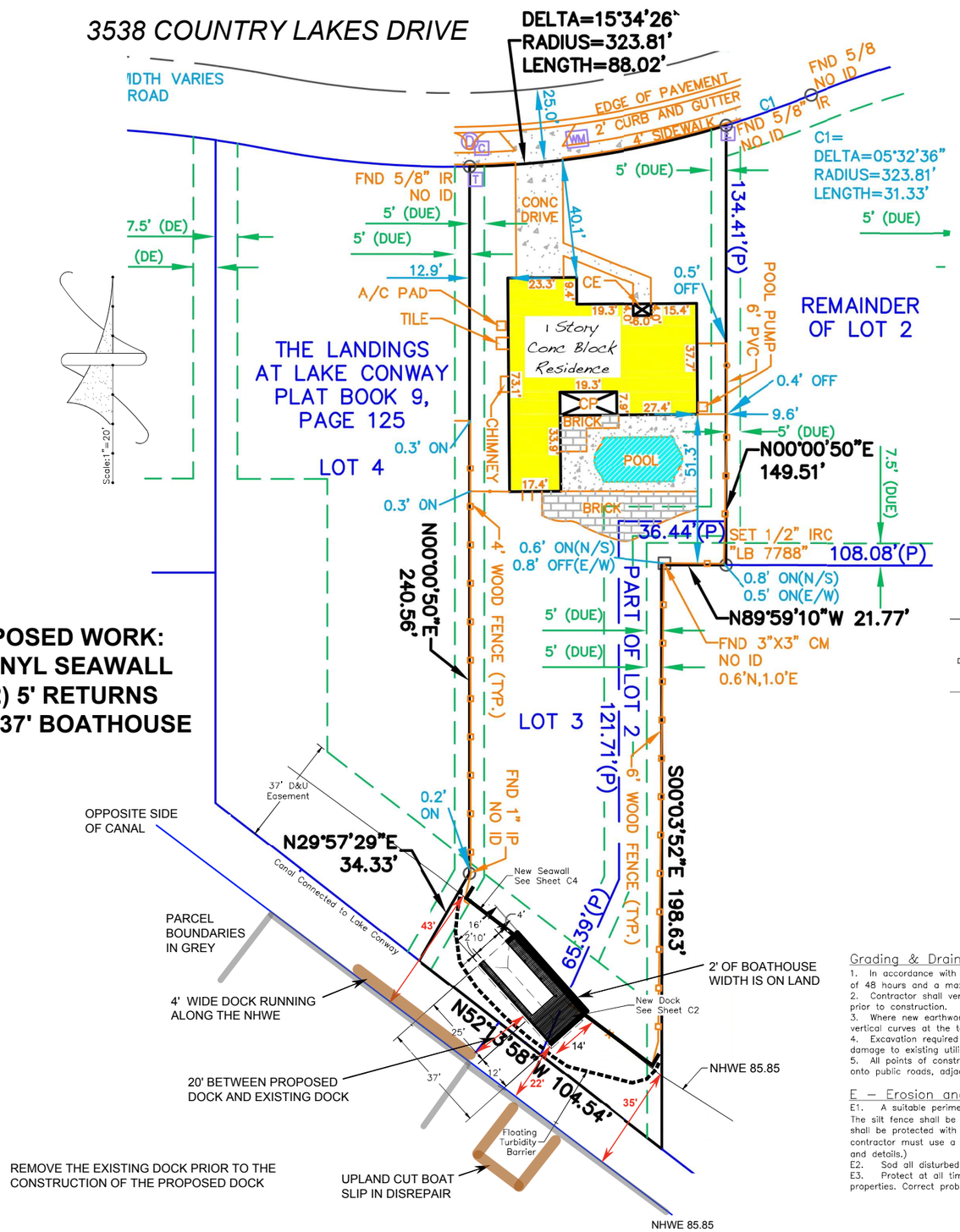
# MCCARTIN DOCK AND SEAWALL SITE PLAN




**PROPOSED WORK:**
**85' VINYL SEAWALL**
**W/(2) 5' RETURNS**
**16' X 37' BOATHOUSE**

REMOVE THE EXISTING DOCK PRIOR TO THE CONSTRUCTION OF THE PROPOSED DOCK

## Legal Description

Lot 3, and thatportion 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 9, Page 125 and 126 of the Public Records of Orange County, Florida.

## Schedule of Drawings

| | | |
|---|---|---|
| C1 | - | Cover Sheet & Site Plan |
| C2 | - | Dock Installation Plan |
| C3 | - | Elevations & Details |
| C4 | - | Seawall Installation Plan |

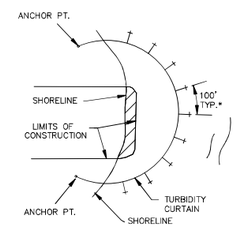
Site Address:
640 Old Horatio Ave
Maitland, Florida 32751

Parcel ID: 30-21-30-5180-00-060

Location Plan
STR – 20/23/30 | Scale: N.T.S
Parcel ID: 20-23-30-4980-00-030

## Project Description

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




STAKE OR ANCHOR EVERY 100' (TYPICAL)

CONSTRUCTION AREA

* THIS DISTANCE IS VARIABLE

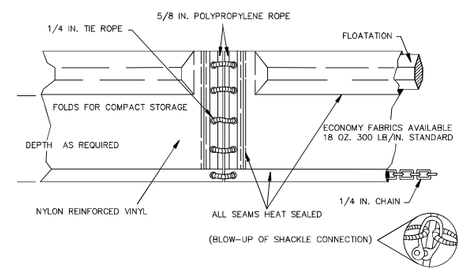
TYPICAL LAYOUTS OF FLOATING TURBIDITY BARRIERS
STREAMS, PONDS, AND LAKES (PROTECTED AND NON-TIDAL)

## Design Load Table

| | | |
|---|---|---|
| **Floor Live Loads** | | |
| Decks & Walkways | - | 60 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 | - | 0.55+/- |
| 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 | |




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:
$\frac{3}{4}$" Galvanized steel chain.

## Wood Frame Construction Notes:

a. Design Parameters: per Load Table
b. Lumber exposed to weather or contacting concrete or steel shall be pressure treated (PT)
c. All lumber in contact with concrete products shall be shielded by a protective barrier.
d. All fasteners in contact with pressure treated lumber are to be hot dipped galvanized or stainless steel.
e. All dimensions shall be field verified. The engineer and owner shall be notified immediately of any discrepancies from dimensions or field conditions noted herein.
f. Elevation views are for visual reference only. Always refer to layout plans for specified measurements.
g. Anchor positions shall have a tolerance of $\pm\frac{1}{2}$".
h. 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:
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 so that site visits may be coordinated.
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 (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).
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 regulatory agencies.
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, telephone, Gas and cable TV companies.

## Grading & Drainage Specifications:

1. 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).
2. Contractor shall verify all existing grades in the field and shall notify the engineer of any discrepancies prior to construction.
3. 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.
4. Excavation required within proximity of utility lines shall be done by hand. Contractor shall repair any damage to existing utilities incurred during construction.
5. 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

E1. 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.)
E2. Sod all disturbed areas not shown as landscaping, slopes 6:1 or greater, swales, and ponds.
E3. Protect at all time against runoff or dewatering pollution of any downstream area or adjacent properties. Correct problems immediately.

DARCY UNROE LICENSE No 60929 STATE OF FLORIDA PROFESSIONAL ENGINEER

Darcy Unroe
c=US, st=Florida, l=Orlando, o=Unroe Engineering, Inc., cn=Darcy Unroe, email=Darcy@unroeengineering.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.

| # | Date | Description |
|---|---|---|
| Change Orders | | |
| # | Date | Description |
| Revisions | | |


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**Cover Sheet & Site Plan**
The MCCARTIN Residence Dock
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