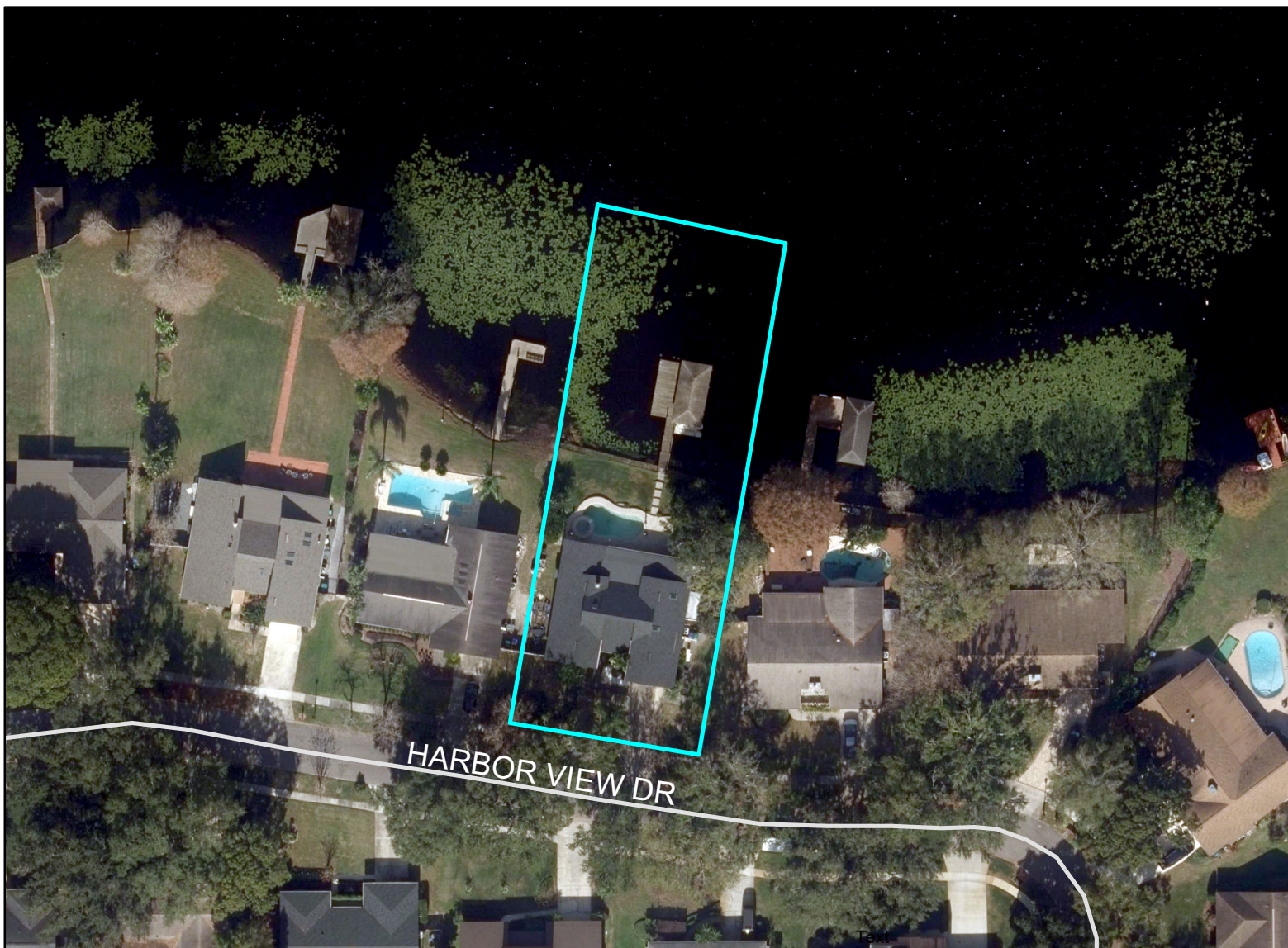


# Shoreline Alteration/Dredge and Fill Permit Request



## Shoreline Alteration / Dredge and Fill Permit Request SADF-25-07-022

District #5

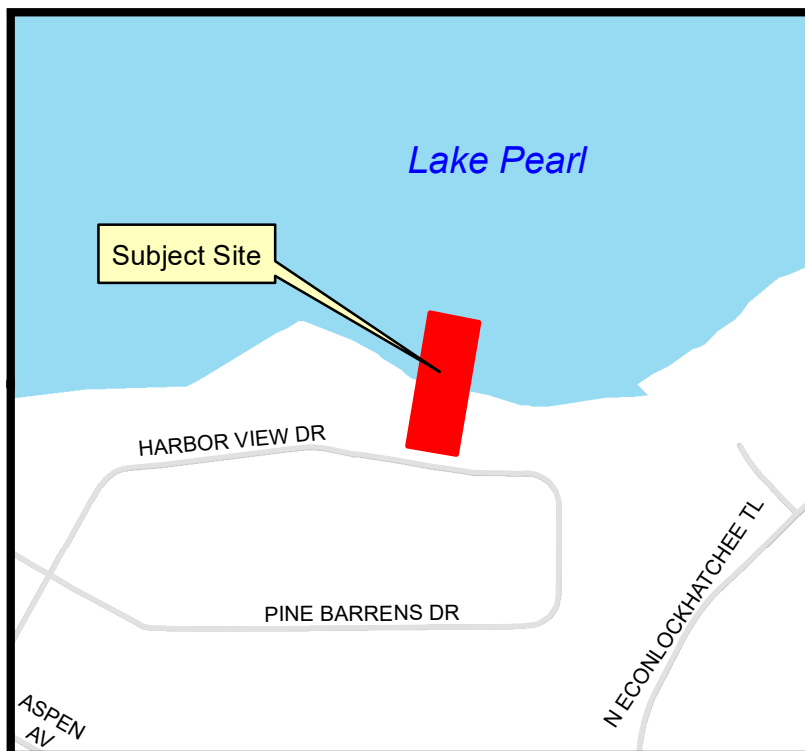
Applicants: Rebecca Mueller  
Steven A. Mueller

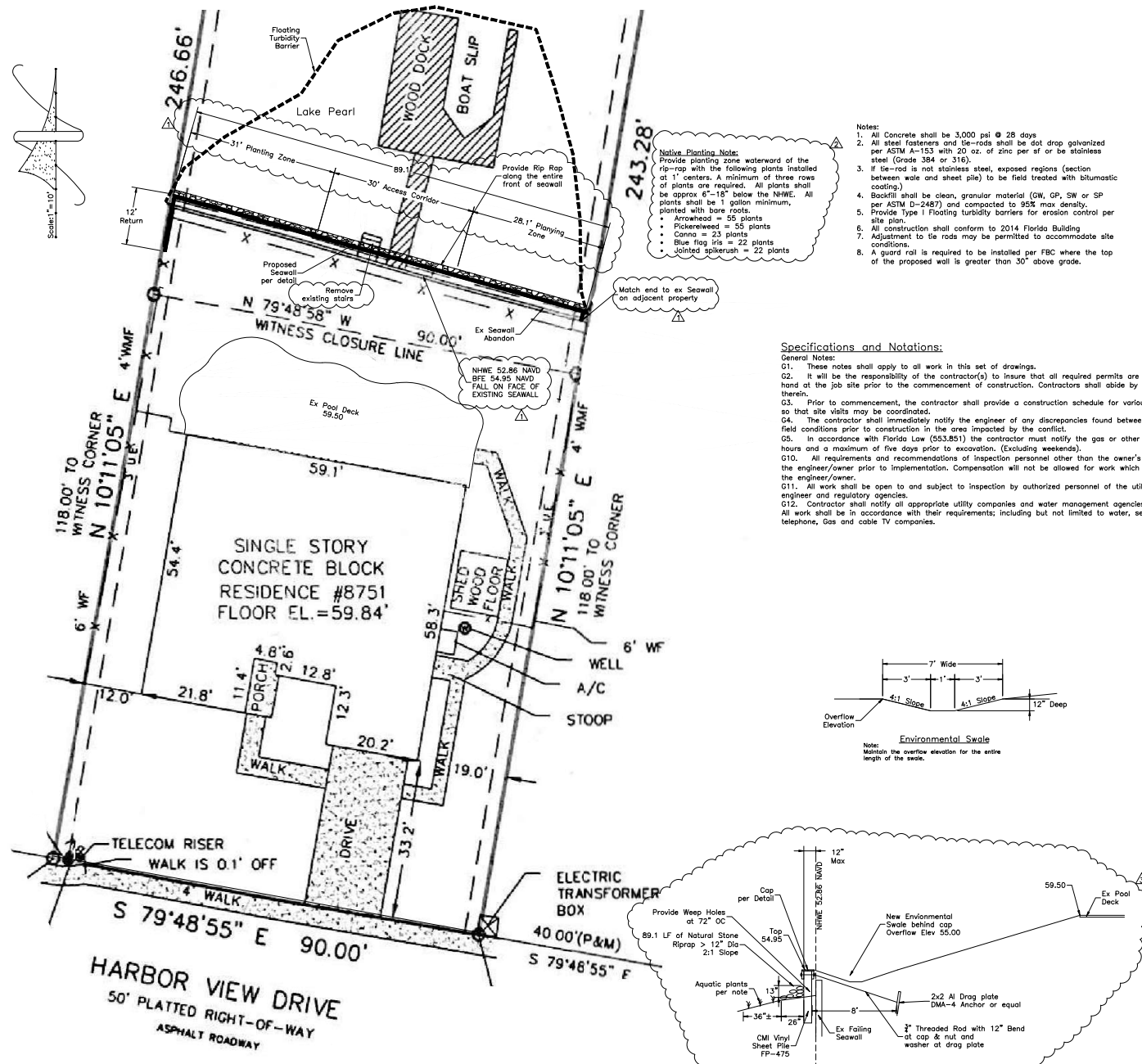
Address: 8751 Harbor View Drive

Parcel ID: 01-22-30-9438-01-120

Project Site 

Property Location 



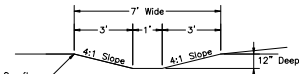


**Native Planting Note:**  
Provide planting zone seaward of the rip-rap with the following plants installed at 1' centers. A minimum of three rows of plants are required. All plants shall be approx 4"-18" below the N.W.M.E. All plants shall be 1 gallon minimum, planted with bare roots.  
 • Arrowweed = 55 plants  
 • Pickerelweed = 55 plants  
 • Canna = 23 plants  
 • Blue flag iris = 22 plants  
 • Jointed spikegrass = 22 plants

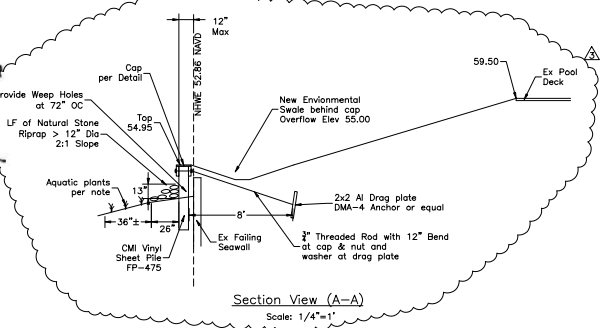
- Notes:**
- All Concrete shall be 3,000 psi @ 28 days
  - All steel fasteners and tie-rods shall be hot drop galvanized per ASTM A-153 with 20 oz. of zinc per sq ft or be stainless steel (Grade 304 or 316).
  - If tie-rod is not stainless steel, exposed regions (section between wale and sheet pile) to be field treated with bituminous coating.
  - Backfill shall be clean, granular material (GW, GP, SW or SP per ASTM D-2487) and compacted to 95% max density.
  - Provide Type I 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.



**Environmental Swale**  
Note: Maintain the overflow elevation for the entire length of the swale.



**Project Description**  
Install new seawall to serve an existing residence.

Revisions	Date	Description

**Unroe Engineering, Inc**  
 Civil Engineering/Planning/Scientific Evaluation  
 P.O. Box 600042, Orlando, FL 32869-0042  
 Business Authorization Number - EB 6000579 ph (407) 298-0650

**Retaining Wall Installation Plan**  
**The Muller Residence at**  
 8751 Harbor View Dr., Orlando, Florida 32817

DP	Drawn

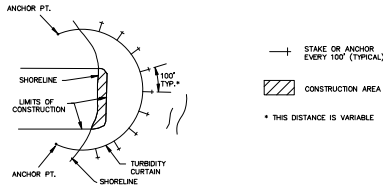
**Design Statement**  
 The Seawall design and details are based on the Florida Building Code 2023 8th edition.

Digitally signed by Darcy Unroe  
 Date: 2026.01.26  
 12:51:10 -05'00'

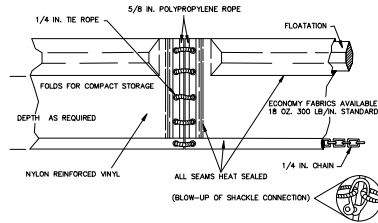


THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY DARCY UNROE, PE 60929 ON THE DATE INDICATED USING A DIGITAL SIGNATURE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPY.

**C1**  
 1 of 2



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./sq yd 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.

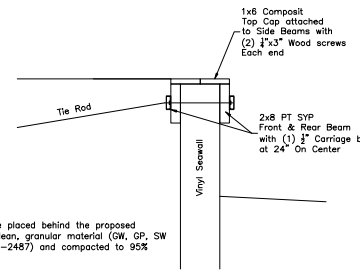
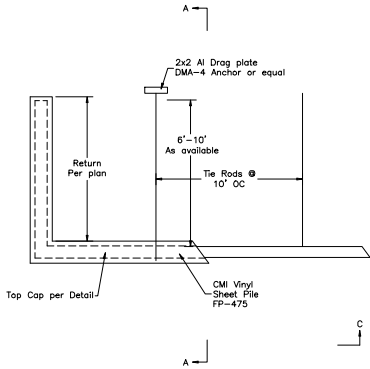
**E - Erosion and Siltation Control**

- 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**

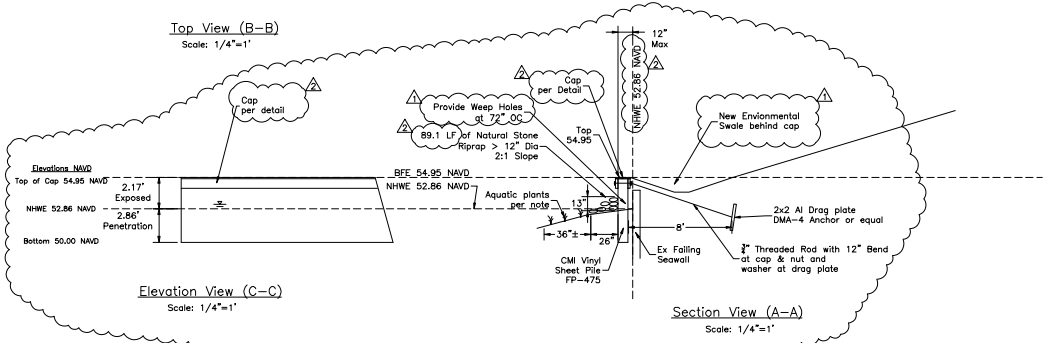
Wind Design Data	
Ultimate Wind Speed	- 139 mph
Basic Wind Speed	- 108 mph
Risk Category	- II
Wind Exposure	- D
Exposure Class	- Not Enclosed
Int pressure Coeff	- 0.85 +/-
Peak Wind Load	- 35.99 psf

Revisions	
Date	Description
1/26/26	County Com
1/27/25	County Com
11/25/25	County Com



**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.

Top Cap Section



**Design Statement**  
The Seaway design and details are based on the Florida Building Code 2023 8th edition.



Digitally signed by  
Darcy Unroe  
Date:  
2026.01.26  
12:50:23 -05'00'

**Unroe Engineering, Inc**  
Civil Engineering/Planning/Scientific Evaluation  
P.O. Box 6000942, Orlando, FL 32816-0942  
Business Authorization Number - EB 0000579 ph (407) 258-4050

**Seaway Installation Details**  
The Mueller Residence at  
8751 Harbor View Dr. Orlando, Florida 32817

DP	Drawn
DP	Checked
perplan	Scale
3/7/25	Date
Mueller-C2	File
Dwg. No.	
<b>C2</b>	
2	of 2

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.

