



Interoffice Memorandum

Received on October 17, 2022
Publish: November 13, 2022
Deadline: November 8, 2022

October 17, 2022

To: Katie Smith, Manager
Comptroller Clerk's Office

Through: Cheryl Gillespie, Agenda Development Supervisor
Agenda Development

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

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

Subject: Request for Public Hearing on November 29, 2022, at 2:00 p.m., for a Shoreline Alteration/Dredge and Fill Permit Application (SADF-22-05-017) to authorize the construction of a replacement vinyl seawall, faced with riprap and plantings, along the shoreline of the property located at 10844 Bayshore Drive, Windermere, FL 34786, on Lake Down. Parcel ID No. 05-23-28-0545-00-020; District 1

Applicants: John and Carrie Russo

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

Hearing required by Florida Statute # or Code: Chapter 33, Article IV, Windermere Water and Navigation 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 applicants 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

October 17, 2022

Request for Public Hearing – Shoreline Alteration/Dredge and Fill Permit Application for John and Carrie Russo (SADF-22-05-017)

Lake Advisory Board
to be notified:

Windermere Water & Navigational Control District
Ijaz Ahmed (Chairman) – ijazahmed736@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.

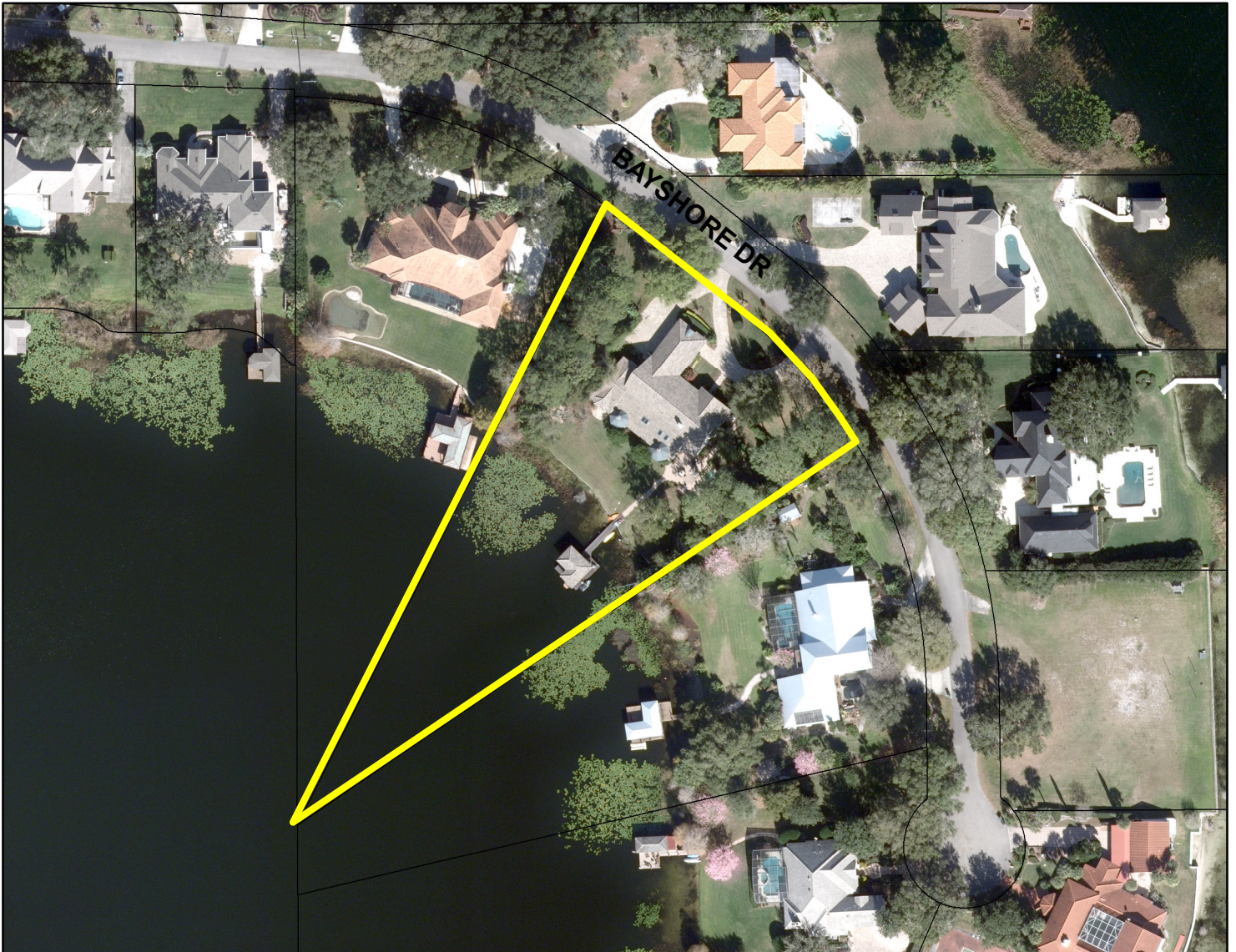
Advertising Language:

1. Applicants, John and Carrie Russo, are requesting a Shoreline Alteration/Dredge and Fill Permit Application (SADF-22-05-017) to authorize the construction of a replacement vinyl seawall, faced with riprap and plantings, along the shoreline of the property located at 10844 Bayshore Drive, Windermere, FL 34786, on Lake Down, pursuant to Chapter 33, Article IV, Windermere Water and Navigation Control District. Parcel ID No. 05-23-28-0545-00-020; District 1 (property legal description on file at EPD).

HD/JR/TMH/ERJ/DJ/gfdjr: jk

Attachments

Shoreline Alteration/Dredge and Fill Permit Request

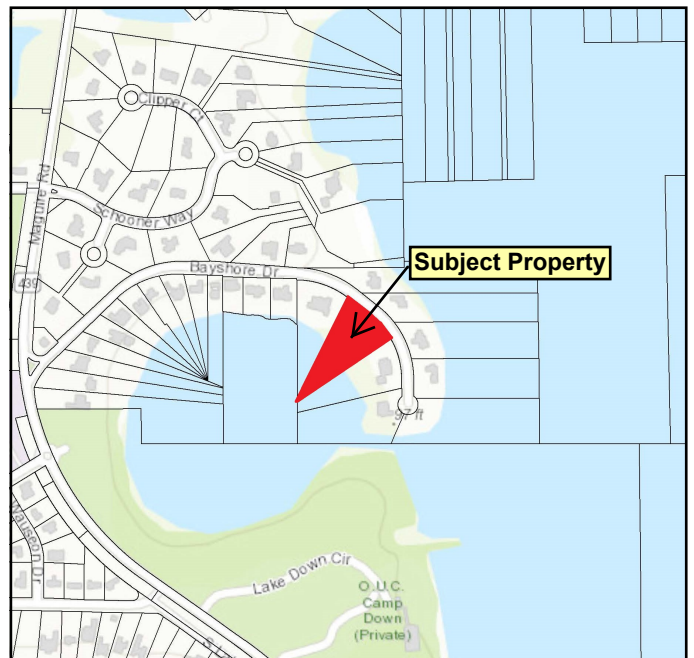


**Shoreline Alteration/Dredge and Fill
Permit Request
SADF-22-05-017
District #1**

**Applicants: John and Carrie Russo
Address: 10844 Bayshore Drive
Parcel ID No.: 05-23-28-0545-00-020**

Project Site 

Property Location 





Sheet List	
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A0.1	COVER SHEET
A0.2	SITE PLAN
A0.3	SEAWALL PLAN
A0.4	ELEVATIONS
S0.1	SEAWALL DETAILS
S0.2	TURBIDITY BARRIER
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The Russo Residence
 10844 Bay Shore Drive
 Windermere, FL 34786
 Parcel ID #052328054500020
New Seawall Build

SCOPE OF WORK:

- CONSTRUCT NEW RIGID VINYL SEAWALL
- ALL TO BE MARINE GRADE LUMBER & GALVANIZED FASTENERS

1. TURBIDITY CONTROL: A. PROVIDE TYPE III FLOATING TURBIDITY BARRIERS AROUND ALL WORK AREAS AS MANUFACTURED BY TRITON OR EQUIVALENT.
 2. CONSTRUCTION REQUIREMENTS: A. MAINTAIN A SAFE AND CLEAN SITE. PROVIDE BARRICADES AS NEEDED TO ISOLATE WORK AREAS. CLEAN UP AND DISCARD TRASH AND UNUSABLE LUMBER AT THE END OF EACH WORK DAY. B. STORE MATERIALS IN LOCATIONS APPROVED BY OWNER OR MANAGEMENT. C. PLAN WORK TO PRECLUDE DISRUPTION OF ACCESS TO EXISTING AREAS. D. INSTALL TURBIDITY BARRIERS PRIOR TO INSTALLATION OR REMOVAL OF PILINGS. MONITOR AND ADJUST AS NEEDED TO PREVENT SILT LADEN WATER FROM ESCAPING INTO WATERWAY. E. DISCARD UNEVENLY CUT OR OUT OF TRUE LUMBER THAT MAY EFFECT THE QUALITY OF WORK. F. SET ALL WORK ACCURATELY TO REQUIRED LEVELS AND LINES, WITH MEMBER PLUMB AND TRUE AND ACCURATELY CUT AND FITTED. INSTALL FASTENERS WITHOUT SPLITTING OF WOOD MEMBERS. PRE-DRILL AS REQUIRED. G. ALL SURFACES RESULTING FROM FIELD CUTS OF LUMBER AND PILES, INCLUDING BOLT HOLES, SHALL BE FIELD TREATED WITH PRESERVATIVE IN ACCORDANCE WITH APWA STANDARDS FOR CARE OF TREATED WOOD H. ALL LUMBER PLACED VERTICALLY SHALL BE PLACED WITH VERTICAL CROWNS UP, AND ALL LUMBER PLACED HORIZONTALLY SHALL BE PLACED WITH HORIZONTAL CROWNS UP (BARK SIDE UP). I. PLACE DECKING AS PER MANUFACTURERS SPECIFICATIONS. J. STAINLESS STEEL TYPICAL TO MARINE CONSTRUCTION. ALL THRU BOLTS SHALL UTILIZE A GALVANIZED STEEL NUT AND LOCK WASHER (OR STAINLESS STEEL NYLOCK WASHER).

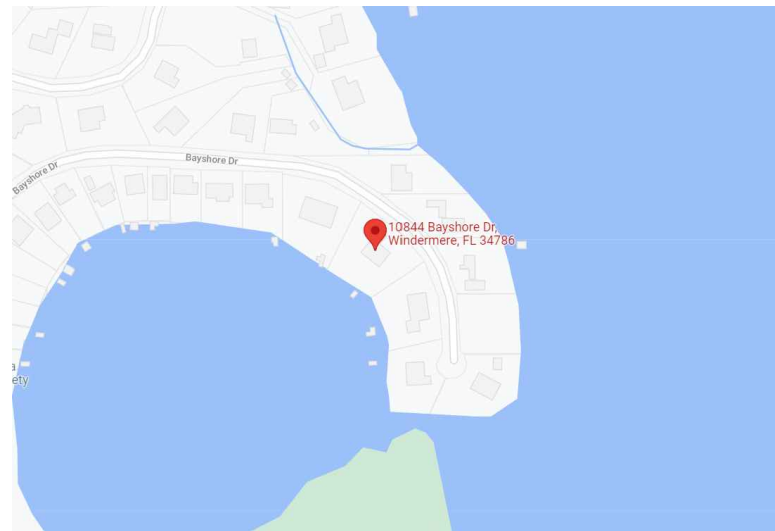
DESIGN STATEMENT:

DESIGN WIND SPEED = 140MPH
 RISK CATEGORY 1
 WIND EXPOSURE - C

THIS MEETS THE REQUIREMENTS OF ASCE 7-16 & FLORIDA BUILDING CODE 2020.



10844 Bay Shore Drive, Windermere, FL 34786



Vicinity Map

For City/County use only

No.	Description	Date

Register # 65544

DBSS ENGINEERING
 SCOTT A. SANTOMAURO
 FL REG. #65513
 PHONE 321-251-6006

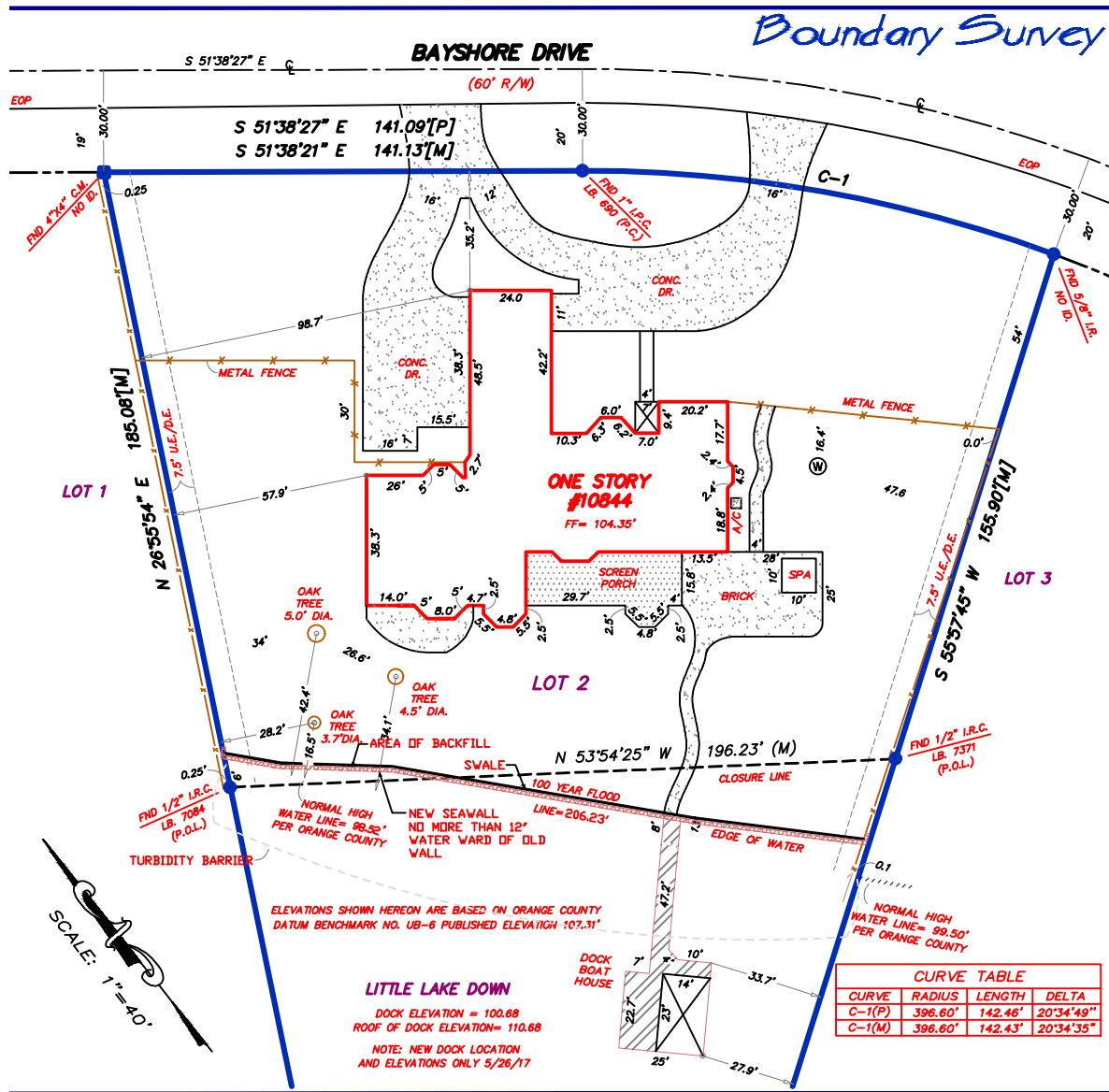


RUSSO
 COVER SHEET
 10844 Bay Shore Drive
 Windermere, FL 34786

Client approval required prior to permitting and prior to construction. All other approvals shall be made by Change order only.

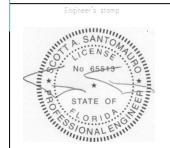
Date Started 03.24.2022
 Drawn by CPMC
 Checked by RGalermo
 Scale

A0.1



For City/County use only

No.	Description	Date



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 FL REG. #65513
 PHONE 321-251-6006



RUSSO
SITE PLAN
 10844 Bay Shore Drive
 Windermere, FL 34786

Client approval required prior to permitting and construction. This plan is for informational purposes only. Approval shall be made by Change Order only.

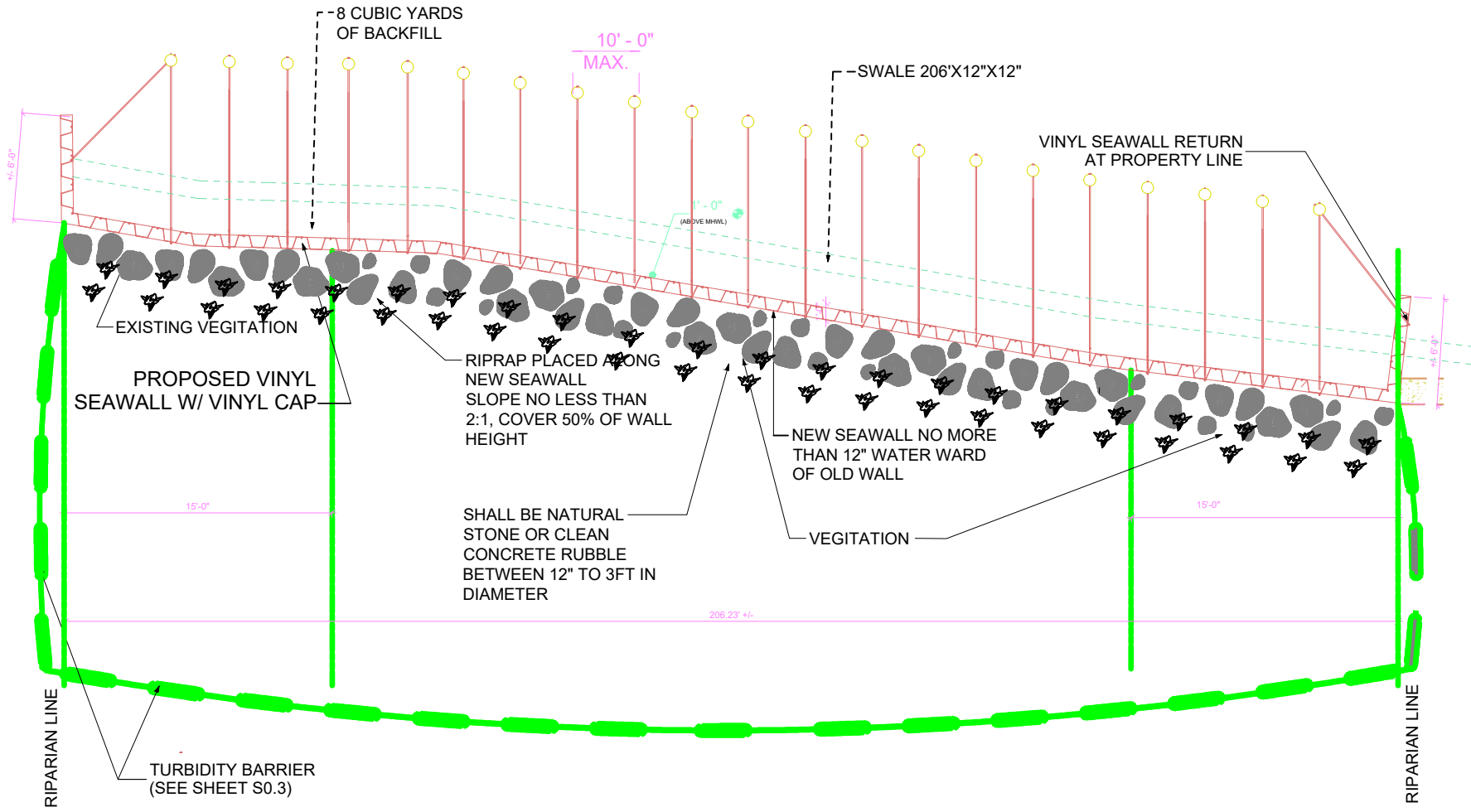
Date Started 03.24.2022
 Drawn by CPMC
 Checked by RGalermo
 Scale

PROJECT AREAS:

- SEAWALL = 206.23' +/- LF.

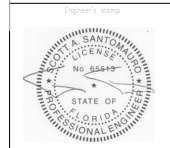
GENERAL NOTES:

1. PILES TO BE DRIVEN /DRILLED OR JETTED TO A MINIMUM OF 1:1 EXPOSURE.
2. EVERLAST 3.1 VINYL PANELS EQUAL)
3. ALL HARDWARE TO BE GALVANIZED STEEL.
4. TIE-BACK RODS TO BE GALVANIZED STEEL.
5. COMPENSATORY STORAGE VOLUME WILL BE 1:1 RATIO FOR 8 CUBIC YARDS OF BACKFILL.



TO THE BEST OF THE ENGINEER'S KNOWLEDGE, THE DESIGN AND SPECIFICATIONS COMPLY WITH ALL APPLICABLE
 CODES AND REGULATIONS AND ARE IN ACCORDANCE WITH THE CITY OF WINDERMERE, FLORIDA.

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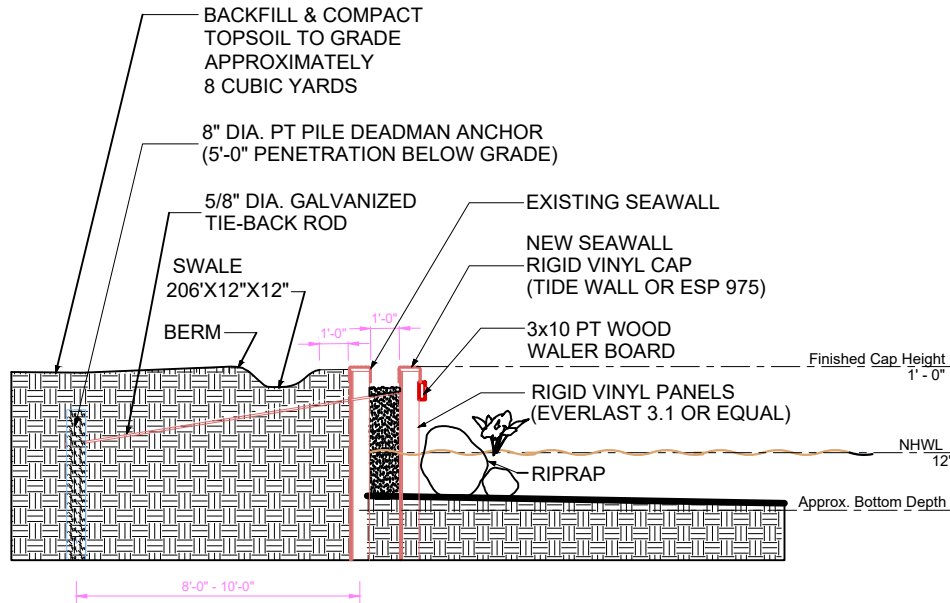
RUSSO
SEAWALL PLAN
 10844 BAY SHORE DRIVE
 WINDERMERE, FL 34786
Client approval required prior to permitting and prior to construction. Any changes or approval shall be made by Change order only.

Date Started	03.24.2022
Drawn by	CPMC
Checked by	RGalermo
Scale	

A0.3

① SEAWALL PLAN
 3/8" = 1'-0"

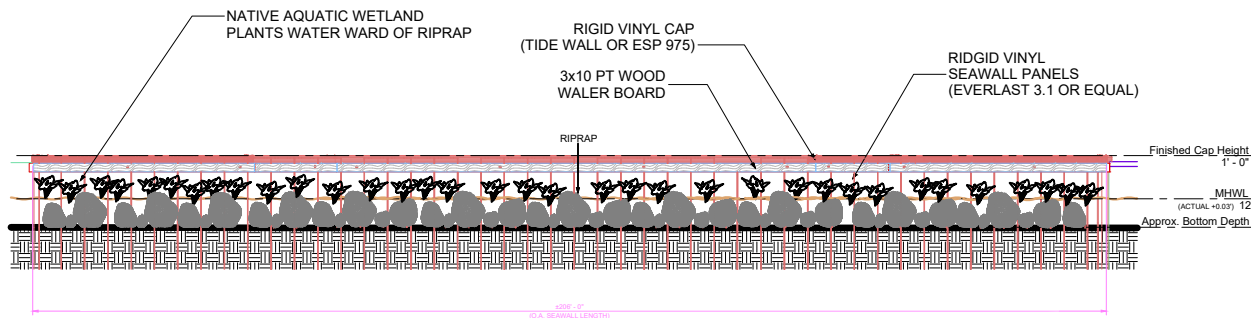
① WEST ELEVATION
1/4" = 1'-0"



GENERAL NOTES:

1. PANELS & PILES TO BE DRIVEN /DRILLED OR JETTED TO A MINIMUM OF 1:1 EXPOSURE.
2. RIGID VINYL PANELS (EVERLAST 3.1)
3. VINYL SEAWALL CAP
4. TIE-BACK RODS TO BE 5/8" GALVANIZED STEEL.
5. COMPENSATORY STORAGE VOLUME WILL BE 1:1 RATIO FOR 8 CUBIC YARDS OF BACKFILL.

② NORTH ELEVATION
1/4" = 1'-0"



IN THE CITY OF THE SEABOARD PROVINCE, THE SEABOARD PROVINCE, COUNTY OF ALBANY, FLORIDA

For City/County use only		
No.	Description	Date



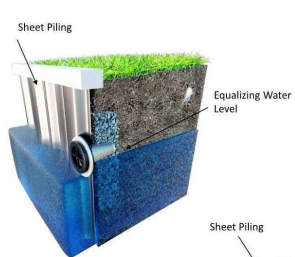
DBSS ENGINEERING
SCOTT A. SANTOMAURO
FL REG. #65513
PHONE 321-251-6006



RUSSO ELEVATIONS
 10844 BAY SHORE DRIVE
 WINDERMERE, FL 34786
 Client approval required prior to permitting and construction. All drawings are subject to change without notice. Approval shall be made by Change Order only.

Date Started 03.24.2022
 Drawn by CPMC
 Checked by RGalermo
 Scale _____

A0.4



Step	Installation Guide*
(1)	Prepare the installation locations by ensuring the wall is smooth and level to allow the filter housing to install flush with the wall. Core a hole so that the bottom rim of the unit is 2-4 inches above the mean waterline or soil line. Core through the thickness of the wall and far enough for the housing to slide fully into the wall. Please note, if there is an algae or barnacle line, ensure the housing is 2-4" above this line. Insert the JET Filter housing into the cored hole. Rotate the housing unit so the JET Filter logo is positioned at the top.
(2)	For best results, a flowable material such as crushed #57 stone should be placed behind the wall around the filter. For installations where digging behind the wall is not possible and no flowable material exist at the installation location, consider coring further into the ground and packing flowable material such as sand, pea gravel, crushed stone etc. through the core entry hole prior to filter installation.
(3)	Mount the housing unit to the wall by pre-drilling 15/64" or 7/32" pilot holes into the wall using the existing holes in the housing as a guide. Attach the housing to wall with the provided stainless steel, self-drilling screws through the housing plate holes into the wall.

JET FILTER
JET Filter System LLC
14 North Central Ave
Casey, Illinois 62400
United States
800-475-2029

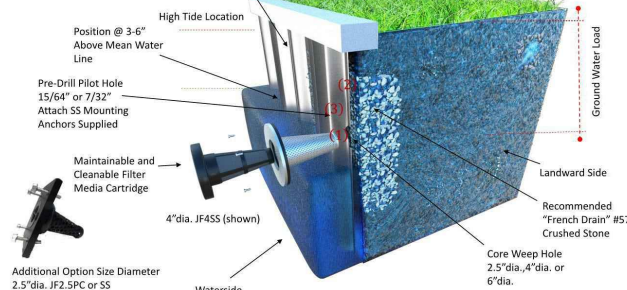
Standard Weep Hole Component Installation Detail

US PAT#7,615,148
Made in the USA

Description:
Sheet Piling is:
Steel, Vinyl,
Composite,
Aluminum

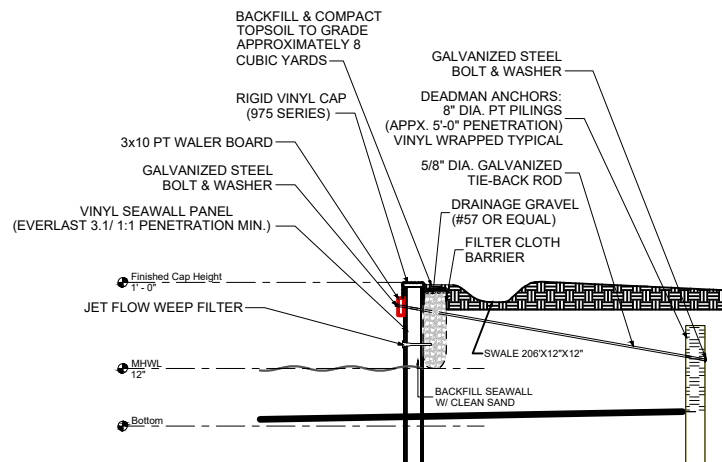
Date: 3/1/2017

Drawn By: DWG



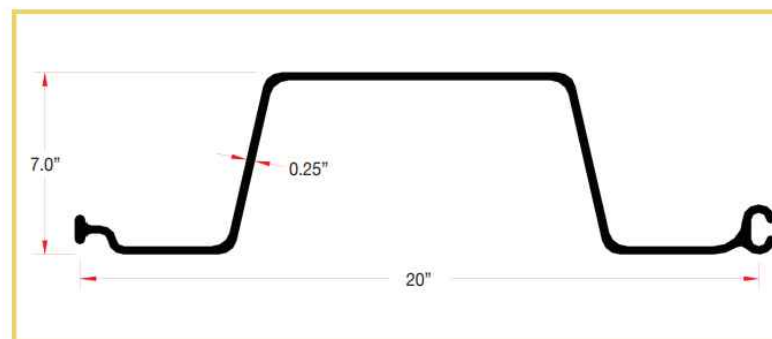
3D WEEP FILTER DETAIL

*Due to varying local conditions, each installation is unique. An engineer or contractor knowledgeable on local conditions should be consulted prior to installation. JET Filter System assumes no responsibility for product installation or use.



SEAWALL DETAIL

EVERLast ESP 3.1 VINYL SHEET PILE (Technical Data Sheet)
SYNTHETIC PRODUCTS, LLC



Strength Rating (M)	Lbs-Ft/Ft	3,129	Modulus of Elasticity (E)	psi	380,000
Allowable Shear (V)	Lbs/Ft	2,536	Co-Extruded		Yes
Thickness (t)	inches	0.25	Section Depth	inches	7
Section Modulus (Z)	in ² /ft	11.4	Section Width	inches	20
Moment of Inertia (I)	in ⁴ /ft	39.8	UV Stabilized		Yes
Ultimate Tensile Stress	psi	6,300	Standard	sheets/	20 &
Creep Limited stress	psi	4,000	Packaging	bundle	10

EVERLAST SPEC SHEET

For City/County use only

No.	Description	Date

Engineer's Stamp

DBSS ENGINEERING
SCOTT A. SANTOMAURO
FL REG. #65513
PHONE 321-251-6006

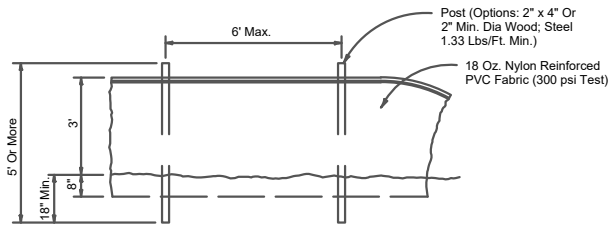


RUSSO
SEAWALL DETAILS
10844 BAY SHORE DRIVE
WINDERMERE, FL 34786

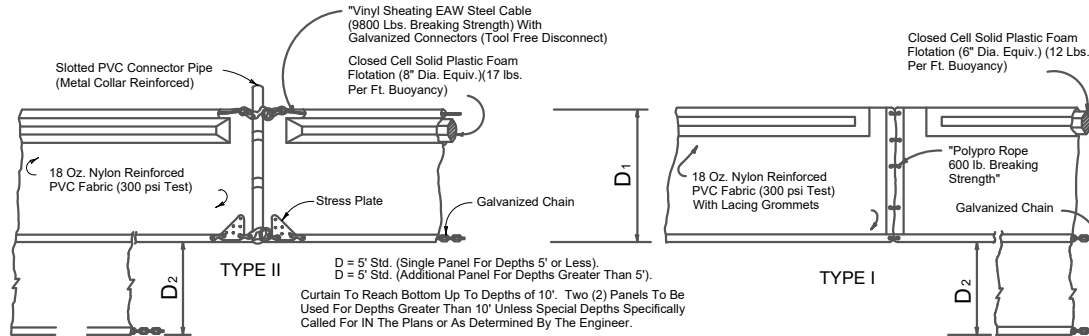
Client approval required prior to permitting and purchase. All materials must be approved for approval shall be made by Change order only.

Date Started: 03.24.2022
Drawn by: CPMC
Checked by: RGalermo
Scale: _____

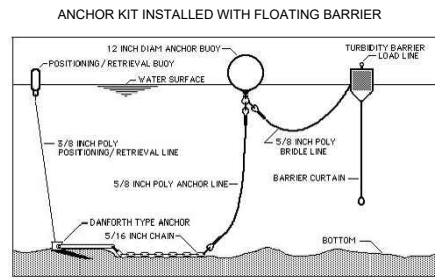
S0.1



STAKED TURBIDITY BARRIER



FLOATING TURBIDITY BARRIER



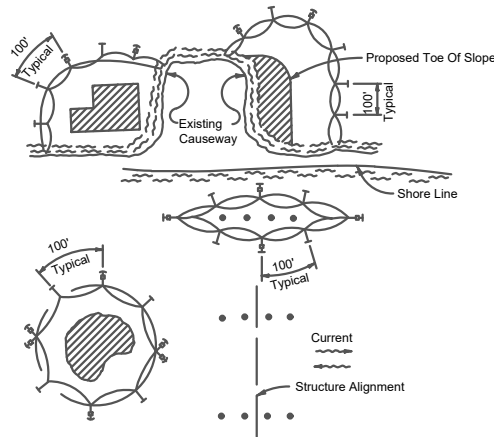
INSTALLATION INSTRUCTIONS

To install an Anchor Kit on one side of Floating Turbidity Barrier, Type 2 or 3:

1. Attach the LOAD LINE to the cable loop in the end of the top tension cable of the barrier, using the SHACKLE at the end of the load line.
2. Back boat away from the barrier and drop the ANCHOR BUOY into the water.
3. Slowly back further away from the barrier while paying out all of the ANCHOR LINE, carefully lower the ANCHOR over the side, and lower the anchor with the POSITIONING/RETRIEVAL LINE until it settles onto the bottom.
4. Hold the POSITIONING/RETRIEVAL BUOY, slowly back away further until the barrier is in the desired position, and drop the POSITIONING/RETRIEVAL BUOY into the water.

To remove an Anchor Kit: Grab the POSITIONING/RETRIEVAL BUOY and lift the LINE until ANCHOR is dislodged from bottom. Retrieve the entire Anchor Kit and detach from the barrier.

© 2007, Am-Flo, Inc.



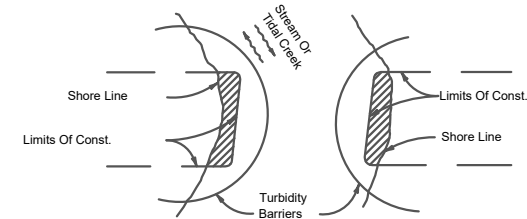
NOTES:

1. Turbidity barriers are to be used in all permanent bodies of water regardless of water depth.
2. Number and spacing of anchors dependent on current velocities.
3. Deployment of barrier around pile locations may vary to accommodate construction operations.
4. Navigation may require segmenting barrier during construction operations.

TURBIDITY BARRIER APPLICATIONS

LEGEND

- Pile Locations
- ▨ Dredge Or Fill Area
- ⊙ Mooring Buoy w/Anchor
- Anchor
- Barrier Movement Due To Current Action



Note:
Turbidity barriers for flowing streams and tidal creeks may be either floating, or staked types or any combinations of types that will suit site conditions and meet erosion control and water quality requirements. The barrier type(s) will be at the Contractor's option unless otherwise specified in the plans, however payment will be under the pay item(s) established in the plans for Floating Turbidity Barrier and/or Staked Turbidity Barrier. Posts in staked turbidity barriers to be installed in vertical position unless otherwise directed by the Engineer.

For City/County use only		
No.	Description	Date



DBSS ENGINEERING
SCOTT A. SANTOMAURO
FL REG. #65513
PHONE 321-251-6006

IN THE CITY OF THE COUNTY OF PALM BEACH, FLORIDA, I HEREBY CERTIFY THAT I AM THE ENGINEER OF RECORD FOR THE DESIGN AND CONSTRUCTION OF THIS PROJECT.



RUSSO
TURBIDITY
10844 BAY SHORE DRIVE
WINDERMERE, FL 34786
 Client approval required prior to permitting and construction. Payment for this approval shall be made by Change Order only.

Date Started	03.24.2022
Drawn by	CPC
Checked by	RGalermo
Scale	

S0.2





