

Application for Shoreline Alteration/Dredge and Fill



**Shoreline Alteration Dredge and Fill
Permit Request
SADF-25-02-005
District #1**

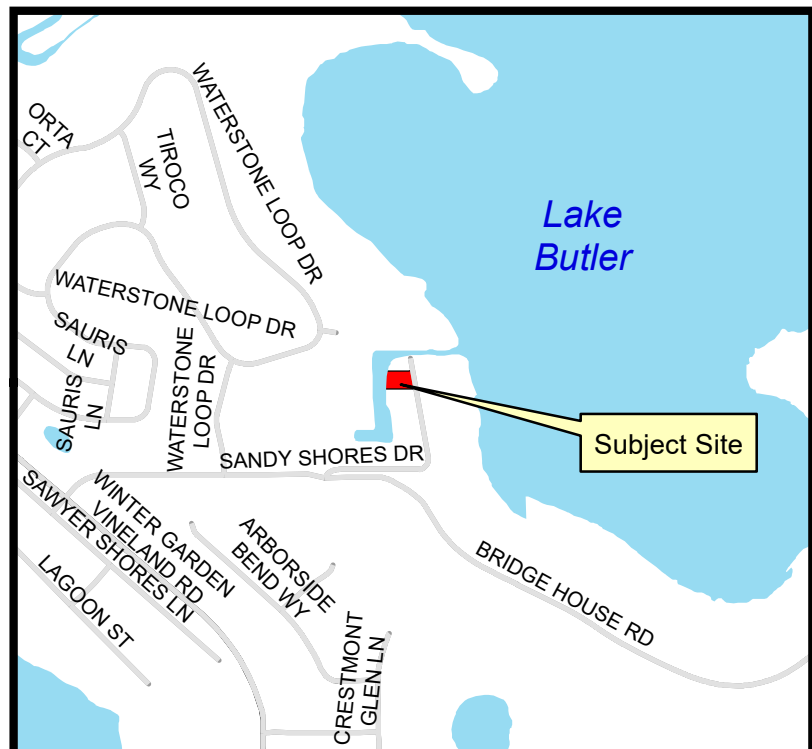
Applicant: Victoria E. De Torres Trust

Address: 12043 Sandy Shores Drive

Parcel ID: 24-23-27-7808-00-084

Project Site 

Property Location 

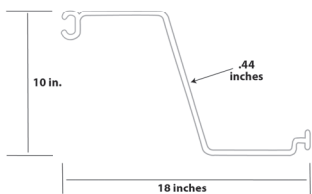


Mark	Revision / Submittal	Date	Description
A	Base Design	2/10/2026	Base Design
B	Design Change	4/2/2026	Design Change



received
5/7/26

VANGUARD HD



Constituent Material	PVC Extruder Grade Ridit only	PVC Extruder Grade Ridit only
Section Width (W)	18 inches	47 mm
Section Depth (D)	10 inches	254 mm
Section Thickness (T)	.440 inches	.15 inch
Moment of Inertia	166.3 in ⁴ /ft	2729 cm ⁴ /m
Section Modulus (S)	21.35 in ³ /ft	27.1 cm ³ /m
Ultimate Moment	17,356 ft-lb	164 kg-m/cm
Allowable Moment	8,678 ft-lb	180 kg-m/cm
Tensile Strength	ASTM D338 6,500 lb/in ²	4.4 kN/mm ²
Flexural Strength	ASTM D938 10,200 psi	70.3 N/mm ²
Modulus of Elasticity	STM D707 380,000 Psi	2,620 MPa
Nominal Yield Strength	ASTM D707 21,500 psi	1,518 N/mm ²
Bend Deflection Temperature	ASTM D668 154 degrees F	70 degrees C

The values shown in this document are averages and may vary. No warranties of any kind are made as to the suitability of Vingsund Vinyl Sealant for any particular application or results obtained thereof.

WWW.VANGUARDSEAWALL.COM

PHONE: 352-545-2500
EMAIL: info@vanguardseawall.com



LO SITE LOCATION SCALE: N.T.S.

DESIGN STATEMENT

THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE FOLLOWING CODES:

- 2023 FLORIDA BUILDING CODE, BUILDING, 8TH EDITION
- 2023 IBC® W/ FLORIDA AMENDMENTS
- 2023 FLORIDA BUILDING CODE, EXISTING BUILDING, 8TH EDITION
- 2023 IBC® W/ FLORIDA AMENDMENTS
- 2023 FLORIDA BUILDING CODE, ENERGY CONSERVATION, 8TH EDITION
- 2023 FLORIDA BUILDING CODE AMENDMENTS
- 2023 FLORIDA BUILDING CODE, FUEL GAS, 8TH EDITION
- 2023 IFGC W/ FLORIDA AMENDMENTS
- 2023 FLORIDA BUILDING CODE, SAFETY PROTOCOLS, 8TH EDITION
- 2023 FLORIDA BUILDING CODE, ACCESSIBILITY, 8TH EDITION
- 2023 FLORIDA BUILDING CODE, RESIDENTIAL, 8TH EDITION
- 2023 IBC® W/ FLORIDA AMENDMENTS
- 2023 FLORIDA BUILDING CODE, MECHANICAL, 8TH EDITION
- 2023 IMC W/ FLORIDA AMENDMENTS
- 2023 IFC W/ FLORIDA AMENDMENTS
- 2023 FLORIDA BUILDING CODE, PLUMBING, 8TH EDITION
- 2023 IPC W/ FLORIDA AMENDMENTS
- 2023 FLORIDA FIRE PREVENTION CODE, 8TH EDITION
- 2021 - NFPA 1 - "UNIFORM FIRE CODE" W/ FLORIDA AMENDMENTS
- 2021 - NFPA-101 - "LIFE SAFETY CODE" W/ FLORIDA AMENDMENTS
- 2021 - NFPA-102 - "VEHICLE CODE" W/ FLORIDA AMENDMENTS
- NFPA-10 - STANDARD FOR PORTABLE FIRE EXTINGUISHERS
- NFPA-100 - NATIONAL ELECTRIC CODE - NEC 2020
- ASCE 7-22
- ANSI/AIA N204 2024

DESIGN LOADS - FBC 2023, 8TH EDITION, SECTION 1607.1 (MINIMUM U.N.O.):

- | | | | |
|----------------------------------|---|---------|--------------|
| A. | ROOF LOADS | | |
| | ROOF LIVE LOAD | 20 PSF | |
| B. | LIVE LOADS | 20 PSF | |
| | MAIN FLOORS | 40 PSF | |
| | UPPER FLOORS | 30 PSF | |
| | UNHABITABLE ATTICS WITHOUT STORAGE | 10 PSF | |
| | UNHABITABLE ATTICS WITH LIMITED STORAGE | 20 PSF | |
| | HABITABLE ATTICS AND SLEEPING AREAS | 25 PSF | |
| | ALL OTHER AREAS | 40 PSF | |
| | GUARD RAIL AND HAND RAILING | 200 LBS | (POINT LOAD) |
| | CEILING RAIL AND HAND RAILING | 50 LBS | (POINT LOAD) |
| | INTERMEDIATE RAILS & BALUSTERS | 50 LBS | (POINT LOAD) |
| | STAIRS (CONCENTRATED LOAD) | 300 LBS | (POINT LOAD) |
| | RESIDENTIAL GARAGES | 50 PSF | |
| ALL OTHER THAN HANDICAPPED ROOMS | 60 PSF | | |
| BALCONIES AND DECKS | 60 PSF | | |
| C. | DEAD LOADS | | |
| | MAIN FLOOR | 30 PSF | |
| | UPPER FLOORS | 30 PSF | |
| | UNHABITABLE ATTICS WITHOUT STORAGE | 10 PSF | |
| | UNHABITABLE ATTICS WITH LIMITED STORAGE | 20 PSF | |
| | HABITABLE ATTICS AND SLEEPING AREAS | 25 PSF | |
| | ALL OTHER AREAS | 15 PSF | |

DEFLECTIONS:

- | | | |
|---------------------------|-----------------|------------|
| * ROOF | LL = L/360 | TL = L/240 |
| * UPPER FLOORS | LL = L/480 | TL = L/360 |
| * MAIN FLOOR | LL = L/480 | TL = L/360 |
| * EXTERIOR WALLS (W or S) | (W/S)IL = L/360 | |

DES DESIGN STATEMENT SCALE: N.T.S.

PROJECT INFO
PROPOSED ±95'-0"
REPLACEMENT SEAWALL

DESIGN PARAMETERS		
RISK CATEGORY	CATEGORY II	
EXPOSURE CATEGORY	D	
ULTIMATE DESIGN WIND SPEED (Vult)	140 mph	(3-Second Gust)
NOMINAL DESIGN WIND SPEED (Vasd)	108 mph	
BUILDING CLASSIFICATION	ENCLOSED	
INT. PRESSURE COEFF.	+/- 0.18	

TABLE R01.2(2)									
COMPONENT AND CLADDING LOADS (ASD/psf)									
Wind Zone		Effective Wind Area (ft ²)		Wind Speed		137mph		Mean Roof Height	
ASCE 7-10 P.2-2 Interpolated Wind Speed		140mph		150mph		160mph		D or FT	
Location	Zone	Effective Wind Area (ft ²)	Pos	Neg	Zone	Effective Wind Area (ft ²)	Pos	Neg	D or FT
Gable Roof 7 to 20 degrees 2:12 4:12 Pitch	1, 2e	10	26.23	-64.91	4	10	35.19	-38.01	
	1, 2e	20	22.88	-64.91	4	20	33.53	-36.83	
	1, 2e	20	17.93	-39.51	4	20	31.54	-34.26	
	1, 2e	100	16.60	-20.25	4	100	29.88	-32.87	
	2e, 2c, 3e	10	26.23	-94.62	4	500	26.23	-29.22	
	2e, 2c, 3e	20	22.88	-83.67	4	100	35.19	-46.98	
	2e, 2c, 3e	50	17.93	-64.41	5	20	33.53	-43.82	
	2e, 2c, 3e	100	16.60	-51.46	5	50	31.54	-39.67	
	3e	10	26.23	-112.45	5	100	29.88	-38.72	
	3e	20	22.88	-86.45	5	500	26.23	-29.22	
	3e	50	17.93	-75.01					
	3e	100	16.60	-58.93					

TABLE R01.3(4)					Minimum Design Pressures for Windows & Exterior Doors				
NOMINAL GARAGE DOOR WIND LOADS (ASD/psf)					Pos	Neg	DP Rating		
Door Size	Width(ft)	Height(ft)	3	34	69	Windows	35.19	-46.98	DP50
	lp	lp	29.28	32.20	32.20	Doors	35.19	-46.98	DP50

WC WIND CHART SCALE: N.T.S.

SHEET INDEX			
Sheet #	Sheet Description	Current Revision	Revision Date
	Cover & General Info		
CO-1	Cover Sheet	Main	4/2/26
GN-1	General Notes	Main	2/10/26
	Site		
SP-11	Site Plan - Proposed Seawall	Main	4/2/26
SP-12	Seawall Layout & Section	Main	4/2/26

Michael E Howeller Digitally signed by Michael E Howeller
Date: 2026.05.07 06:52:17 -04'00'

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INTERNET NEWSPAPERS

06	BASE SUBMISSION
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SUBMITTAL

PROPOSED SEAWALL
12043 SANDY SHORES
DR
WINDERMERE,
FL 34786

PROJECT#:	26-00210-12043
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DRAWN BY:	BJP
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CHECKED BY:	BJP
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11/11/2011

OVER SHEET

CO-1

5/15/2025 9:11:40 PM, Drawn By: BLP

received
5/7/26

SP-1 SITE PLAN - PROPOSED SCALE: 1" = 30'-0"

EP-MP SITE PLAN - PROPOSED - MAP VIEW SCALE: 1" = 30'-0"

ROW INFORMATION	
ROW-1	ANY CURB, GUTTER OR SIDEWALK DISTURBED BY THIS CONSTRUCTION SHALL BE RESTORED TO THE LOCAL JURISDICTION STANDARDS AT NO COST TO THE JURISDICTION
ROW-2	ANY SIDEWALK REMOVAL / REPLACEMENT SHALL BE RESTORED TO FULL PANEL WIDTH AND LENGTH. PARTIAL PATCHING IS NOT ACCEPTABLE.
ROW-3	CONTRACTOR SHALL OBTAIN A JURISDICTION A SPECIAL PERMIT IS REQUIRED FOR CURB CUTS WITHIN THE ROW.
ROW-4	SIDEWALKS WITHIN THE ROW CROSSING A DRIVEWAY APRON SHALL BE 5'-0" WIDE
ROW-5	6" THICK CURE
ROW-5	DRIVEWAY APRON AND SIDEWALKS WITHIN THE ROW SHALL BE 6" THICK 3000 PSI CLASS 1 CONCRETE U.N.O.
ROW-6	ALL SIDEWALKS DISTURBED WITHIN THE ROW SHALL BE RESTORED TO THE LOCAL JURISDICTION STANDARDS AT THE CONTRACTORS EXPENSE
ROW-7	ALL BARE LAND WITHIN THE ROW SHALL BE SOGGED AT THE CONTRACTORS EXPENSE
ROW-8	ALL WORK WITHIN THE ROW SHALL HAVE PROTECTION TO PREVENT PEDESTRIANS FROM ENTERING THE WORK AREA

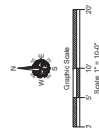
SP-11

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Drawn By B.P.



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Windermere, FL 34786

COMMISSIONING

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THE DESIGN INDICATED IN THE CONSTRUCTION DOCUMENTS DOES, TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, COMPLY WITH THE 2023 FLORIDA BUILDING CODE, EDITION AND ANY OTHER APPLICABLE CODES.

Michael E Howeller Digitally signed by Michael E Howeller
Date: 2026.05.07 06:53:58 -04'00'

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LATEST SHEET EDITION		
MAIN	4/2/06	BASE SUBMISSION
CURRENT PROJECT PHASE		
SUBMITTAL		

SUBMITTAL

PROPOSED SEAWALL
12043 SANDY SHORES
DR
WINDERMERE,
FL 34786

PROJECT #:	26-00210-12043
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SEAWALL LAYOUT & SECTION

SP-12

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