



Interoffice Memorandum

Received on June 22, 2023
Deadline: July 18, 2023
Publish: July 23, 2023

June 22, 2023

To: Jennifer Lara-Klimetz, Assistant 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 August 8, 2023, at 2:00 p.m., for a
Shoreline Alteration/Dredge and Fill Permit Application (SADF-22-05-
018) for the construction of a new seawall along the shoreline of the
Landings Canal off Lake Conway at 3802 Quando Drive, Belle Isle, FL
32812, Parcel ID No. 20-23-30-1646-01-010; District 3

Applicant: Ende Family Trust
Type of Hearing: Shoreline Alteration/Dredge and Fill Permit Application
Hearing required by Florida Statute # or Code: Chapter 33, Article II, Lake Conway 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 applicant 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

June 21, 2023

Request for Public Hearing – Shoreline Alteration/Dredge and Fill Permit Application for Ende Family Trust (SADF-22-05-018)

Lake Advisory Board
to be notified:

Lake Conway Water & Navigational Control District
John Evertsen (Chairman) – john@evertsen.com

Municipality or other
Public Agency to be
notified:

Florida Department of Environmental Protection,
DEP_CD@FloridaDEP.gov

Hearing Controversial: No

District #: 3

Materials being submitted as backup for public hearing request:

1. Location Map
2. Site Plan

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. Applicant, Ende Family Trust, is requesting a Shoreline Alteration/Dredge and Fill Permit Application (SADF-22-05-018) to authorize the construction of a new seawall along the shoreline of the Landings Canal off Lake Conway pursuant to Chapter 33, Article II, Lake Conway Water and Navigation Control District. 3802 Quando Drive, Belle Isle, FL 32812, Parcel ID No. 20-23-30-1646-01-010, District 3 (property legal description on file at EPD).

RB/KGK/TMH/ERJ/DJ: jk

Attachments

Shoreline Alteration/Dredge and Fill Permit Request



Shoreline Alteration/Dredge and Fill Permit Request

SADF-22-05-018
District #3

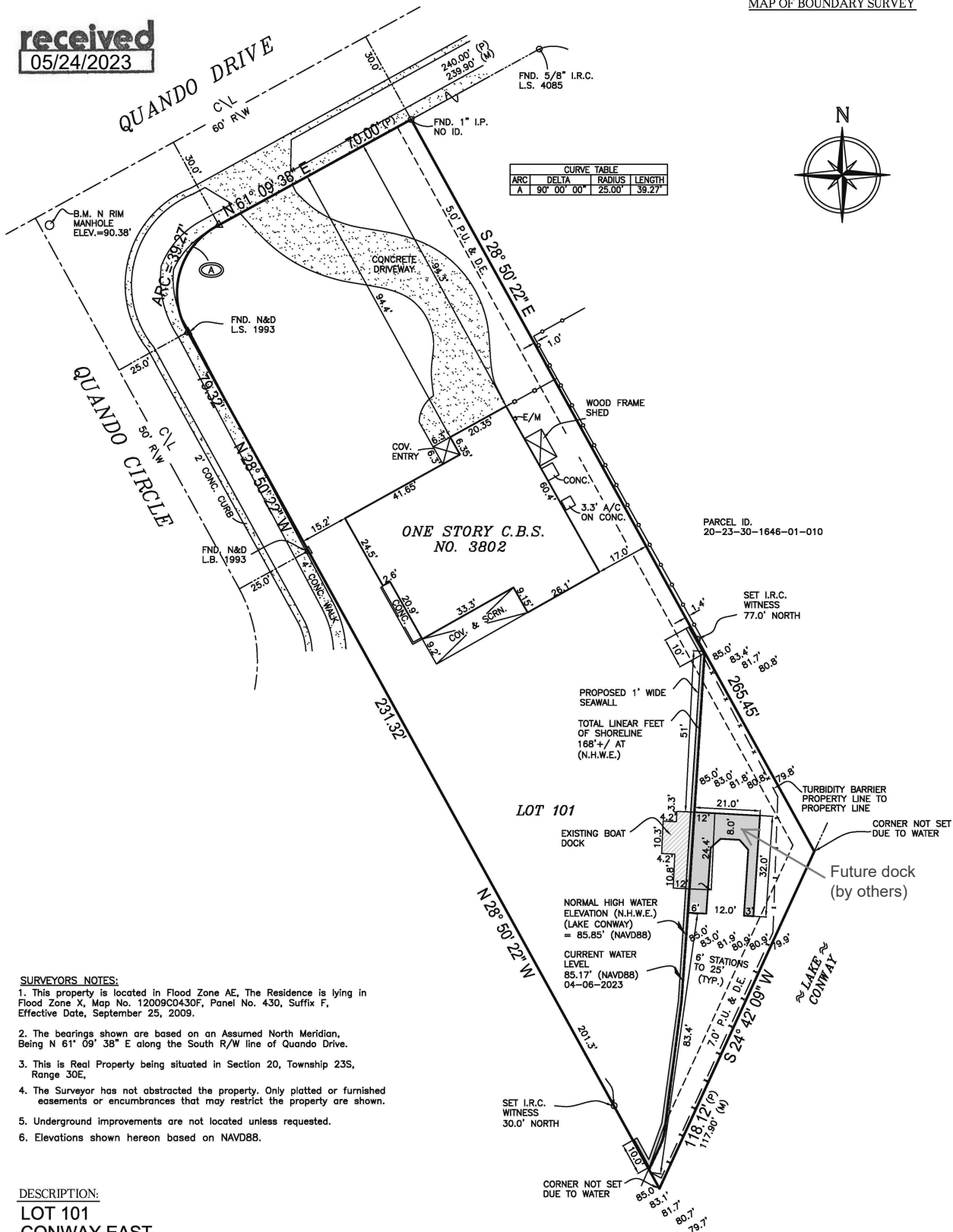
Applicant: Ende Family Trust
Address: 3802 Quando Drive
Parcel ID No.: 20-23-30-1646-01-010

Project Site

Property Location



received
05/24/2023



SURVEYORS NOTES:

1. This property is located in Flood Zone AE. The Residence is lying in Flood Zone X, Map No. 12009C0430F, Panel No. 430, Suffix F, Effective Date, September 25, 2009.
2. The bearings shown are based on an Assumed North Meridian, Being N 61° 09' 38" E along the South R/W line of Quando Drive.
3. This is Real Property being situated in Section 20, Township 23S, Range 30E.
4. The Surveyor has not abstracted the property. Only platted or furnished easements or encumbrances that may restrict the property are shown.
5. Underground improvements are not located unless requested.
6. Elevations shown hereon based on NAVD88.

DESCRIPTION:

**LOT 101
CONWAY EAST**
ACCORDING TO THE PLAT THEREOF AS RECORDED IN PLAT BOOK 4,
PAGE(S) 122 AND 123 OF THE PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA.



LEGEND & ABBREVIATIONS: ○ = Set 5/8" iron rod with plastic cap
 △ = Set nail with metal disc □ = Set concrete monument with disc
 —○— = 4' C.L.F. ——— = Center Line
 —○— = 6' W.F. ——— = 6' VINYL FENCE
 ——— = OHPL

(B.M.)=Benchmark,(CONC.)=Concrete,(C\L)=Centerline,(C.B.)=Concrete Block
 (C.B.S.)=Concrete Block Structure,(C.&S)=Covered and Screened,
 (C.M.)=Concrete Monument,(C.M.P.)=Corrugated Metal Pipe,(C.L.F.)=Chain Link Fence
 (D)=Deed,(E.M.)=Electric Meter,(F.F.E.)=Finished Floor Elevation,(Fnd.)=Found,
 (F.P.R.)=Fixed Point of Reference,(I.R.C.)=Iron Rod with Cap,(I.P.)=Iron Pipe
 (G.M.)=Gas Meter,(L.B.)=Licensed Business,(L.S.)=Licensed Surveyor,(M)=Measured
 (M.E.S.)=Mitered End Section,(N&D)=Nail & Disc,(O.R.B.)=Official Records Book,
 (OHPL)=Over Head Power Line,(P.C.P.)=Permanent Control Point, (P)=Plat
 (P.O.B.)=Point of Beginning,(P.O.C.)=Point of Commencement
 (P.R.M.)=Permanant Reference Monument,(P.U. & D.E.)=Public Utility & Drainage Easement,
 (RNG.)=Range,(R.C.P.)=Reinforced Conc. Pipe,(R.W.)=Right of Way,(SEC.)=Section
 (TWP.)=Township,(WUP)=Wood Utility Pole,(W.F.S.)=Wood Frame Structure,(W.M.)=Water Meter

CERTIFIED TO: ENDE FAMILY TRUST

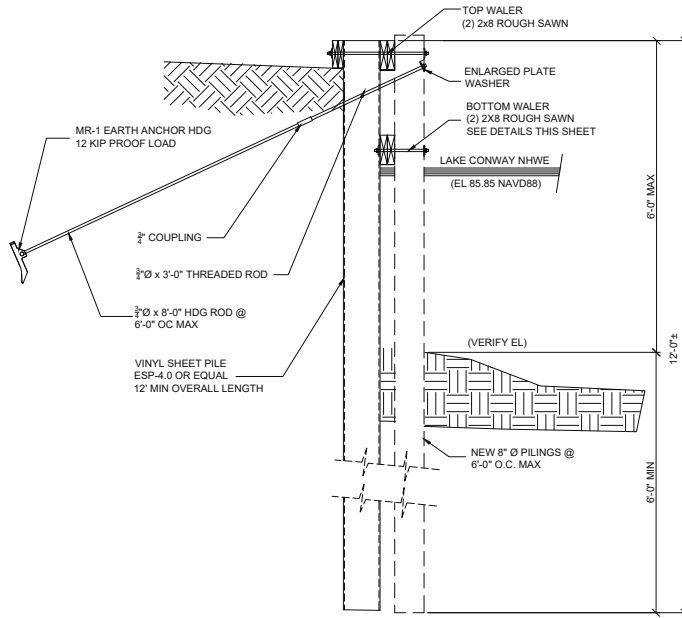
Certified By: _____ Signature Date: _____
 I Eric Nielsen Professional Surveyor & Mapper, No. 5386, L.B. 6946, State of Florida
 certify this map of survey meets the standards set per Florida Administrative Code
 5J-17.051 pursuant to Chapter 472.027 per Florida Statutes.

Eric Nielsen Land Surveying, Inc.

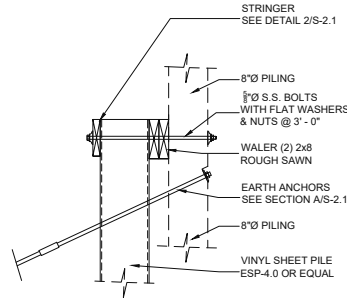
Revisions:
 TOPOGRAPHIC DATA & SITE PLAN FOR DOCK & SEAWALL 02-16-2022
 UPDATE SURVEY FOR ORANGE COUNTY ENVIRONMENTAL PROTECTION DIVISION 04-10-2023
 12 STONE STREET, COCOA, FL. 32922
 Ph: (321) 631-5654
 email: nielsensurveying@bellsouth.net
 SCALE: 1" = 30' DATE: 12-16-2021 JOB NO. 21-668-12

RECEIVED
By Rebecca Bowden at 11:55 am, Jun 12, 2023

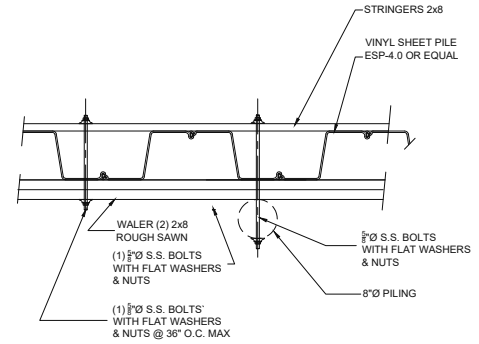
received
06/12/2023



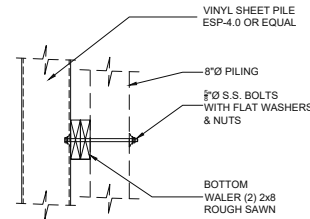
A TYPICAL SHEET PILE SECTION
S-2.1 SCALE: NTS



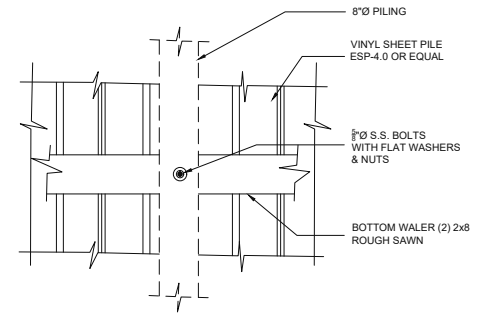
1 TOP PILING DETAIL
S-2.1 SCALE: 1" = 1'-0"



2 TOP SHEET PILE DETAIL
S-2.1 SCALE: 1" = 1'-0"



3 BOTTOM WALER DETAIL
S-2.1 SCALE: 1" = 1'-0"



4 BOTTOM WALER DETAIL
S-2.1 SCALE: 1" = 1'-0"

Andrew J. Noble
Noble
Digitally signed by Andrew J. Noble
Date: 2023.06.12 11:24:17
11:24:17

| DATE | BY | CHK |
|----------|----|-----|
| | | |
| REVISION | | |
| | | |

OBLE
840 N. Cocoa Blvd., Suite B
Cocoa, Florida 32922
Tel: 321-443-5933
Fax: 321-443-5933
FL EB No: 27956
ZUC
TRUCUTURAL GROUP, INC.
Consulting Engineers

ENDE SEAWALL
3802 QUANDO DR
ORLANDO, FL 32812

ANDREW J. NOBLE
LICENSE
No. 6403
Digitally signed by Andrew J. Noble
Date: 2023.06.12 11:24:17

| | |
|-------------|----------|
| DATE | 11-30-21 |
| DESIGNED BY | RP |
| DRAWN BY | RP |
| CHECKED BY | AJN |
| CAD CODE | 211614 |
| PROJECT NO. | 211614 |
| DRAWING NO. | 211614 |
| SHEET | S-2.1 |
| OF | OF |

This item has been electronically signed and sealed by Andrew J. Noble, P.E. using a Digital Signature. Printed copies of this document are not to be considered signed and sealed and the signature must be verified on any electronic copies.

GENERAL NOTES

- GOVERNING BUILDING CODE: FLORIDA BUILDING CODE 2020 EDITION
- REFER TO CIVIL, SITE, AND ELECTRICAL DRAWINGS FOR OTHER PERTINENT INFORMATION RELATED TO STRUCTURAL WORK.
- THE MOST STRINGENT REQUIREMENTS APPLY IN CASE OF CONFLICT ON THE CONTRACT DRAWINGS.
- VERIFY DIMENSIONS AND CONDITIONS RELATING TO SITE, EXISTING CONSTRUCTION AND EXISTING UTILITIES AND SERVICES PRIOR TO START OF CONSTRUCTION.
- THE DRAWINGS ARE INTENDED TO SHOW THE GENERAL ARRANGEMENT, DESIGN AND EXTENT OF THE WORK AND ARE PARTIALLY DIAGRAMMATIC. THEY ARE NOT INTENDED TO BE SCALED FOR ROUGH-IN MEASUREMENTS, OR TO SERVE AS SHOP DRAWINGS OR PORTIONS THEREOF.
- ALL DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE ON THE PROJECT, EXCEPT WHERE A DIFFERENT DETAIL OR SECTION IS SHOWN.
- PRIOR TO START OF CONSTRUCTION, THE CONTRACTOR AND ALL THE SUBCONTRACTORS SHALL VERIFY ALL GRADES, LINES, DIMENSIONS AND COORDINATE EXISTING CONDITIONS AT THE JOB SITE WITH THE PLANS AND SPECIFICATIONS. THEY SHALL REPORT ANY INCONSISTENCIES OR ERRORS IN THE ABOVE TO THE ENGINEER BEFORE COMMENCING WORK. THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL LAY OUT THEIR WORK FROM ESTABLISHED REFERENCE POINTS AND BE RESPONSIBLE FOR ALL LINES, ELEVATIONS AND MEASUREMENTS IN CONNECTION WITH THEIR WORK.
- SURFACE FINISH FOR ALL CONCRETE SURFACES SHALL BE A GENERAL SURFACE FINISH.

SURFACE AND SUBSURFACE SOILS

- NOTIFY ENGINEER OF ANY UNUSUAL SITE SUB-SURFACE CONDITION WHICH IS IN VARIANCE WITH TEST BORINGS, SUCH AS DIFFERENT SOILS ENCOUNTERED, SEEPAGE OR PRESENCE OF WATER, OR WHEN THERE IS A QUESTION OF BEARING CAPACITY.
- DEWATER EXCAVATIONS BEFORE PLACING CONCRETE.
- REMOVE AND DISPOSE ALL ORGANIC AND UNSATISFACTORY SOIL.
- COMPACT ALL SOIL TO BE USED IN BACK FILL MATERIAL TO 90 PERCENT OF THE MAXIMUM DENSITY PER ASTM D698, "MODIFIED PROCTOR COMPACTION TEST".
- BACKFILL MATERIAL SHALL BE FREE DRAINING AND RESTRICTED TO GW, GP, SW OR SP PER ASTM D2487.
- NOTIFY ENGINEER IF FIRM BEARING MATERIAL OF DESIGN CAPACITY IS NOT ATTAINED.
- DESIGN, INSTALLATION AND FINAL CLEARANCE OF TEMPORARY BRACING IS THE RESPONSIBILITY OF THE CONTRACTOR.
- BULKHEADS AND HEADWALLS ARE DESIGNED TO SUPPORT WELL COMPACTED GRADE OR CLEAN FILL. A CERTIFIED TESTING LABORATORY SHALL BE ENGAGED BY THE OWNER TO VERIFY THAT THE REQUIRED COMPACTION REQUIREMENTS WAS OBTAINED.

VINYL SHEET PILE

- VINYL SHEET PILES SHALL BE TYPE ESP 4.0 OR APPROVED EQUIVALENT. MINIMUM SECTION AND MATERIAL PROPERTIES SHALL BE AS FOLLOWS:
 - MOMENT OF INERTIA = 50.6 IN⁴ / FOOT
 - SECTION MODULUS = 14.5 IN³ / FOOT
 - MODULUS OF ELASTICITY = 380,000 PSI
 - MINIMUM WALL THICKNESS = 0.30 IN
 - ULTIMATE TENSILE STRESS = 6300 PSI
- ALL STEEL NOT ENTIRELY ENCASED IN CONCRETE SHALL BE EITHER ALL TYPE 304 OR 316 STAINLESS STEEL OR ALL HOT DIP GALVANIZED STEEL PER ASTM A136. MIXING OF STEEL TYPES IS NOT PERMITTED.
- TIE-BACK ANCHORS SHALL BE AS NOTED ON PLAN. SUBSTITUTIONS MUST BE SUBMITTED FOR ENGINEER'S APPROVAL.
- VINYL SHEET PILES SHALL BE INSTALLED PER CONTRACTOR'S STANDARD PRACTICE MEETING THE REQUIREMENTS AND SPECIFICATIONS OF THE MANUFACTURER. IN THE CASE OF CONFLICTING INFORMATION, THE MOST STRINGENT CASE SHALL BE USED. SHEET PILES SHALL BE PLACED LEVEL AND PLUMB (NO MORE THAN 2" PER FOOT OUT OF PLUMB), EMBEDDED INTO SOUND SOILS TO THE MINIMUM DEPTH INDICATED IN THE CONSTRUCTION DOCUMENTS. DRIVE SHEET PILING BY "DRIVING IN STEPS" OR "GANG DRIVING". DIRECTION OF INSTALLATION SHOULD BE WITH THE MALE SIDE OF THE SHEET WHEN POSSIBLE.
- PILES DRIVEN OUT OF INTERLOCK WITH ADJACENT PILES OR OTHERWISE DAMAGED SHALL BE REMOVED OR REPLACED WITH NEW PILES AT CONTRACTOR'S EXPENSE.
- CARE SHALL BE GIVEN TO ENSURE SHEET PILES ARE NOT DAMAGED DURING SHIPMENT AND FIELD PLACEMENT. CONTRACTOR SHALL INSPECT EACH SHEET PILE SEGMENT AND ACCESSORIES PRIOR TO START OF INSTALLATION FOR ANY DEFORMED, BROKEN, CRACKED, OR OTHERWISE DAMAGED MATERIAL. IF SUCH MATERIAL IS DAMAGED, IT SHALL BE REMOVED FROM SERVICE AND REPLACED WITH NEW.
- FULLY DETAILED SHOP DRAWINGS CONTAINING ALL DETAILS AND DIMENSIONS NECESSARY TO CONSTRUCT THE WALLS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL. AT A MINIMUM THE SHOP DRAWINGS SHALL INCLUDE:
 - SHEET PILE LAYOUT SHOWING STATIONS AND OFFSETS AT CRITICAL POINTS ALONG THE WALL.
 - SHAPES AND SIZES OF MEMBERS USED ALONG WITH MATERIAL PROPERTIES.
 - TOP OF WALL AND TIP ELEVATIONS.
 - CONTRACTOR SHALL FIELD VERIFY LOCATION OF ALL EXISTING UTILITIES PRIOR TO INSTALLING SHEET PILES. REFER TO UTILITY PLANS FOR UTILITY LOCATIONS.
 - WHERE SHEET PILES ARE PLACED NEAR AN EXISTING STRUCTURE OR UTILITY, CARE SHALL BE TAKEN SO AS NOT TO DAMAGE THE EXISTING STRUCTURE OR UTILITY.

STRUCTURAL TIMBER

- LOAD BEARING FRAMING SHALL BE #2 SOUTHERN YELLOW PINE (SYP) OR BETTER, 19% MOISTURE CONTENT, UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS.
- NON-BEARING FRAMING SHALL BE #3 SOUTHERN YELLOW PINE (SYP) OR BETTER, 19% MOISTURE CONTENT.
- TIMBER FRAMING NOTED AS PRESSURE TREATED, SHALL BE #2 SYP, AND TREATED IN ACCORDANCE WITH AWPA STANDARDS U1 AND UC5C.
- ALL EXTERIOR WOOD FRAMING SHALL BE PRESSURE TREATED.
- TIMBER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS), 2001 EDITION WITH SUPPLEMENTS.
- ALL SPECIFIED STEEL CONNECTION HARDWARE THAT IS NOT PRE-ENGINEERED SHALL BE STAINLESS STEEL PER APPROPRIATE SPECIFICATIONS.
- LARGE FLAT S.S. WASHERS MAY BE SUBSTITUTED WITH OGEE WASHERS

ABBREVIATIONS LEGEND

| | |
|--------|---|
| AB | ANCHOR BOLT |
| BI | BOTTOM OF |
| BL | BUILDING LINE |
| BM | BEAM |
| CCA | WOOD TREATED WITH CHROMATED COPPER ARSENATE |
| CJ | CONTROL JOINT |
| COL | COLUMN |
| COMP | COMPACTED |
| CONC | CONCRETE |
| DIA | DIAMETER |
| DWL | DOWEL |
| FIN | FINISHED |
| FTG | FOOTING |
| GALV | GALVANIZED |
| GD | GRADE |
| GRTG | GRATING |
| HCA | HEADED CONCRETE ANCHOR |
| HR | HANDRAIL |
| IJ | ISOLATION JOINT |
| N.I.C. | NOT INCLUDED IN CONTRACT |
| PEMB | PRE-ENGINEERED METAL BUILDING |
| PL | PLATE |
| SD/T | SELF DRILLING/TAPPING |
| SO | SQUARE |
| S.S. | STAINLESS STEEL |
| STL | STEEL |
| T/ | TOP OF |



PLAN VIEW
NTS

SHOWN FOR REFERENCE ONLY. SEE SURVEY FOR EXACT LOCATION

This item has been electronically signed and sealed by Andrew J. Noble, P.E. using a Digital Signature. Printed copies of this document are not to be considered signed and sealed and the signature must be verified on any electronic copies.

| | | | | | | | | | |
|--|--|----------|--|----|--|--|--|--|--|
| DATE | | REVISION | | BY | | | | | |
| 840 N. Cicco Blvd., Suite B Cocoa, Florida 32922 TRUCUTURAL, INC. P.O. BOX 314143-49343 ORLANDO, FL 32816 FL REG. NO. 27956  | | | | | | | | | |
| ENDE SEAWALL 3802 QUANDO DR ORLANDO, FL 32812 | | | | | | | | | |
| GENERAL NOTES | | | | | | | | | |
| DRAWING NO: S-1.1 SHEET OF | | | | | | | | | |



