

**PROJECT LOCATION**

RE#00181470-000000  
LOT 22, BLOCK 22, CUTTHROAT HARBOR ESTATES  
PLAT BOOK 4 PG 1385  
CUDJOE KEY  
SECTION 28, TOWNSHIP 66 SOUTH, RANGE 28 EAST  
LATITUDE: 24.659648°N LONGITUDE: 81.476221°W

**DIRECTIONS:**

U.S. HIGHWAY NO. 1 SOUTH TO MM 23±. LEFT ONTO  
CUTTHROAT DR. LEFT ONTO BUCCANEER LN.  
PROJECT SITE: ADJACENT TO 22924 BUCCANEER LANE

**ADJOINING OWNERS**

VICTOR DEVITO  
3196 WINDSOR AVE.  
TOMS RIVER, NJ 08753-4852

JAMES & ELANOR DEAN  
220 FERN LEDGE RD.  
SHELDON, VT 05483-5406



NEIGHBORS:

LOCATION & VICINITY MAP  
SCALE: AS SHOWN



FILL FOR RESIDENCE & DOCK  
FOR PIERRE & HOLLY BOUMERHI  
CUDJOE KEY, MONROE COUNTY, FL


GLEN BOE AND ASSOCIATES, INC. # 4081  
5800 OVERSEAS HIGHWAY, SUITE 4, MARATHON, FL 33060  
Telephone (304) 743-8121 Fax (304) 743-8187  
Email: glenboe@glboe.com

DATE: 04/28/17





**SITE PLAN**  
SCALE: 1" = 30'



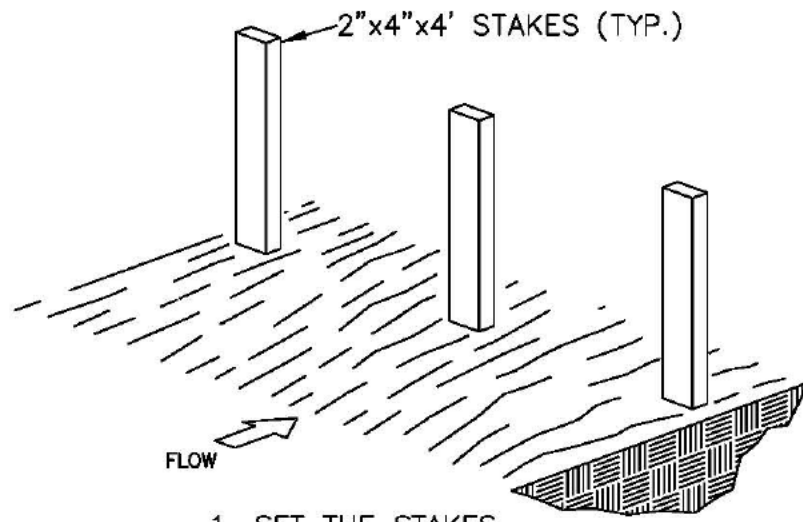
REVISIONS:	
1	08/18/17

CERTIFIED BY:  
SEAN KIRWAN, P.E. #57506

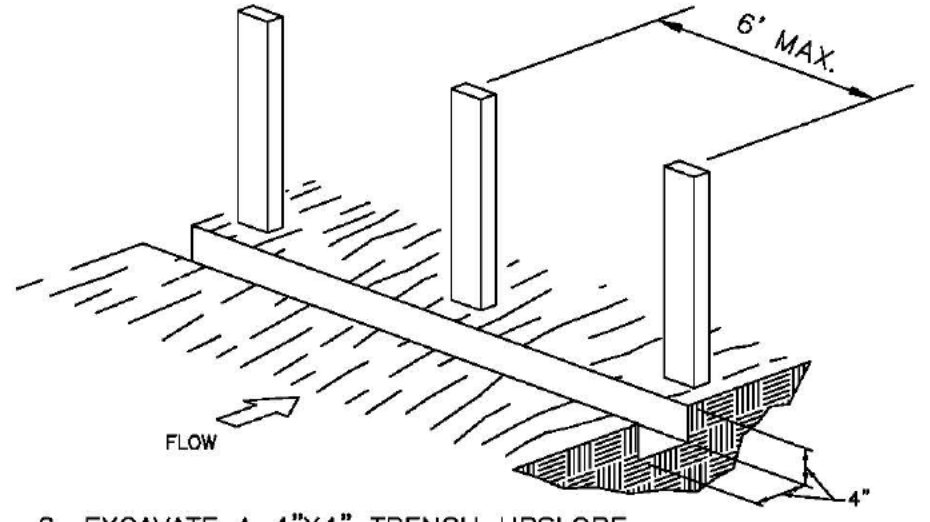
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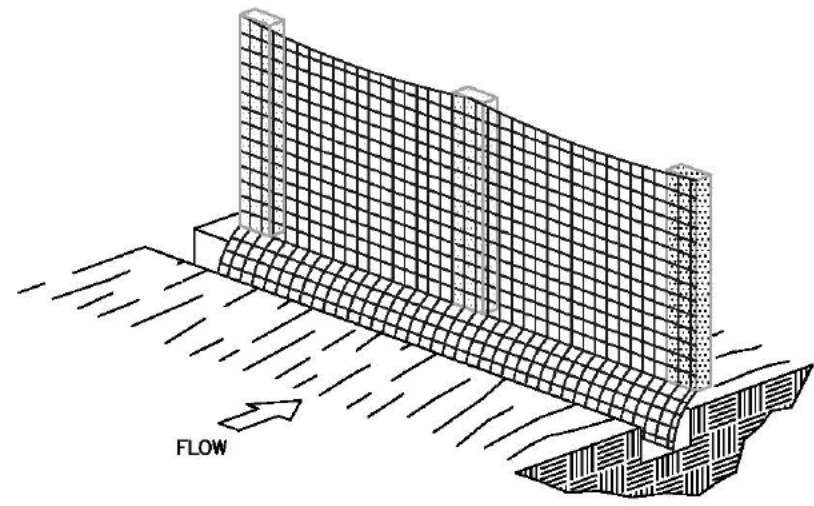
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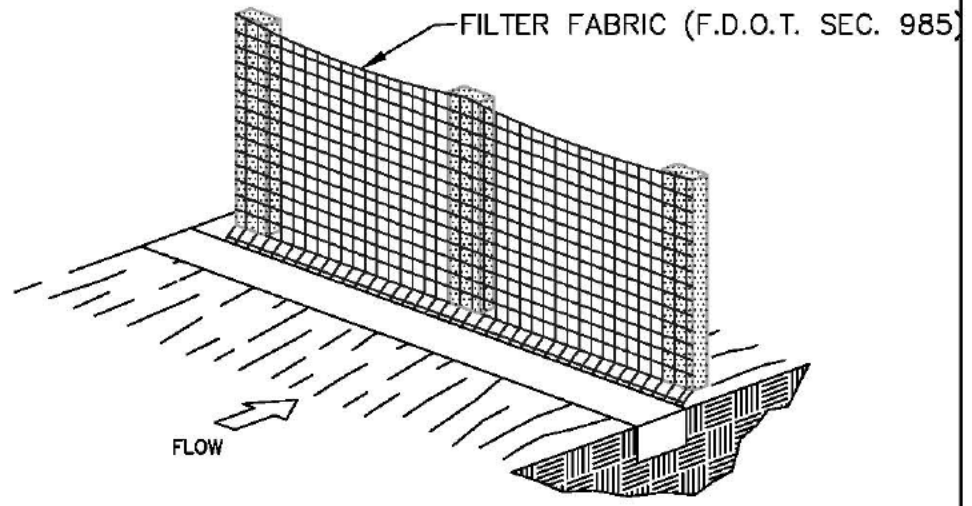
1. SET THE STAKES



2. EXCAVATE A 4"x4" TRENCH UPSLOPE ALONG THE LINE OF STAKES.



3. STAPLE FILTER MATERIAL TO STAKES AND EXTEND IT INTO THE TRENCH.



4. BACKFILL AND COMPACT THE EXCAVATED SOIL.

F.D.O.T. TYPE III FILTER FENCE

REVISIONS:	

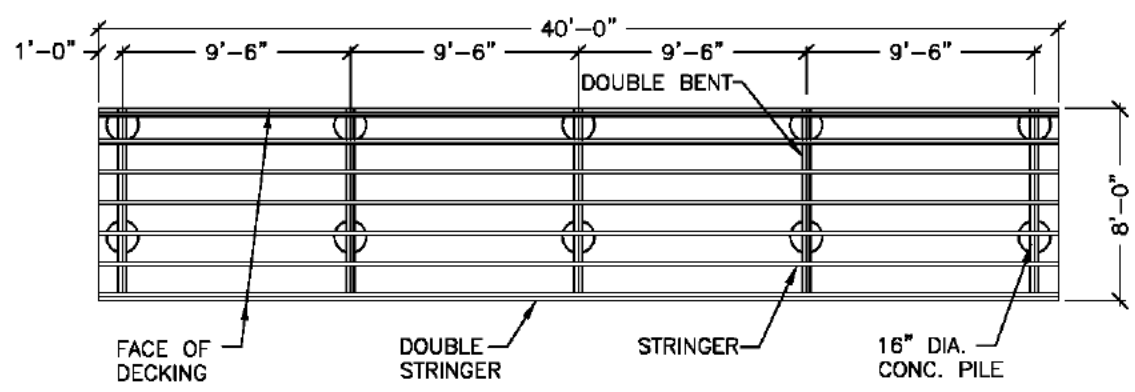
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CERTIFIED BY:  
SEAN KIRWAN, P.E. #67508

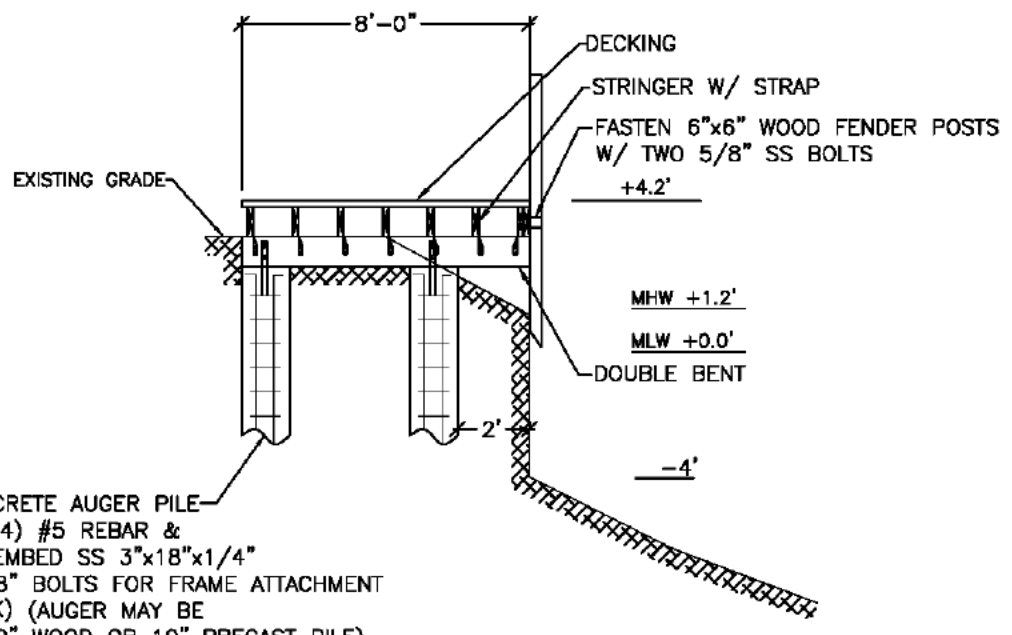
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**FRAMING PLAN**                      **C A N A L**  
SCALE: 1/8" = 1'-0"



16" DIAMETER CONCRETE AUGER PILE  
REINFORCED WITH (4) #5 REBAR &  
#3 TIES 12" O.C. EMBED SS 3"x18"x1/4"  
STRAP W/ TWO 5/8" BOLTS FOR FRAME ATTACHMENT  
(3' MIN. INTO ROCK) (AUGER MAY BE  
SUBSTITUTED W/ 10" WOOD OR 10" PRECAST PILE)

**TYPICAL SECTION**  
SCALE: 3/16" = 1'-0"

**CONSTRUCTION NOTES:**

1. CONTRACTOR SHALL OBTAIN ALL APPLICABLE PERMITS PRIOR TO COMMENCING WORK. THE REQUIREMENTS OF THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, THE ARMY CORPS OF ENGINEERS & LOCAL REGULATIONS SHALL GOVERN ALL WORK.
2. WORK SHOWN ON DRAWINGS IS DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE (LATEST ADDITION). FOLLOW ALL APPLICABLE PROVISIONS FOR ALL PHASES OF CONSTRUCTION.
3. THE PROPOSED STRUCTURE(S) IS DESIGNED FOR A LIVE LOAD OF 40 PSF. WIND LOADS ARE DESIGNED PER THE FLORIDA BUILDING CODE.
4. CONTRACTOR SHALL ADHERE TO THE STANDARD MANATEE CONSTRUCTION CONDITIONS (LATEST ADDITION). IF NEEDED, THE CONTRACTOR CAN CONTACT THE ARMY CORPS OF ENGINEERS OR THIS OFFICE TO OBTAIN A COPY OF THE STANDARD MANATEE CONSTRUCTION CONDITIONS.
5. BEST MANAGEMENT PRACTICES, INCLUDING THE USE OF TURBIDITY SCREENS, ARE REQUIRED TO ISOLATE THE CONSTRUCTION AREA FROM THE ADJACENT WATERS. CONTRACTOR SHALL INSTALL TURBIDITY SCREENS AROUND THE IMMEDIATE PROJECT AREA PRIOR TO CONSTRUCTION. THE TURBIDITY SCREENS REMAIN IN PLACE UNTIL WATER QUALITY CONDITIONS RETURN TO PRECONSTRUCTION CONDITIONS. WATER QUALITY MONITORING SHALL ADHERE TO STATE REGULATIONS.
6. ELECTRIC & WATER (DESIGN PROVIDED BY OTHERS UNLESS SHOWN) SHALL BE PROVIDED. CONTRACTOR SHALL COORDINATE FINAL LOCATION OF ALL PROPOSED UTILITIES WITH OWNER PRIOR TO CONSTRUCTION.
7. CONTRACTOR SHALL FIELD VERIFY DIMENSIONS & WATER DEPTHS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES ON THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE COMMENCING WORK.
8. THE STRUCTURAL INTEGRITY OF THE COMPLETED STRUCTURE DEPENDS ON INTERACTION OF VARIOUS CONNECTED COMPONENTS. PROVIDE ADEQUATE BRACING, SHORING, AND OTHER TEMPORARY SUPPORTS AS REQUIRED TO SAFELY COMPLETE THE WORK.
9. EXERCISE EXTREME CARE AND CAUTION WHEN EXCAVATING AND FILLING ADJACENT TO EXISTING STRUCTURES. UNDER NO CIRCUMSTANCES SHALL THE STRUCTURAL INTEGRITY OF THE EXISTING STRUCTURES BE IMPAIRED IN ANY WAY BY CONSTRUCTION OPERATIONS AND PROCEDURES. DO NOT EXCAVATE OR DISTURB SOIL ADJACENT TO OR BENEATH EXISTING FOOTINGS.
10. CONTRACTOR SHALL COORDINATE INSTALLATION OF CLEATS, LADDERS, PILE CAPS, AND OTHER DOCK ACCESSORIES WITH OWNER PRIOR TO CONSTRUCTION. ALL DOCK ACCESSORIES SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS. STAINLESS STEEL HARDWARE SHALL BE USED FOR ALL CONNECTIONS TO DOCK.

**CONCRETE AUGER PILES**

CAST IN PLACE CONCRETE SHALL BE TYPE II CONCRETE WITH A COMPRESSIVE STRENGTH OF 5,000 PSI AT 28 DAYS. MAXIMUM WATER-CEMENTIOUS MATERIALS RATIO BY WEIGHT RATIO SHALL BE 0.40. SLUMP SHALL NOT EXCEED 5" (1"±).

REINFORCING BARS SHALL BE NEW BILLET STEEL CONFORMING TO ASTM A 615, GRADE 60. ALL DETAILING AND ACCESSORIES TO CONFORM TO ACI DETAILING MANUAL (LATEST ADDITION).

PROVIDE 3/4" CHAMFER ON ALL EXPOSED CONCRETE EDGES.

PROVIDE LIGHT BROOM FINISH ON ALL EXPOSED CONCRETE SLABS.

REINFORCED CONCRETE CONSTRUCTION TO CONFORM TO ACI 318 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE".

PROVIDE SLEEVES FOR ALL PIPES, CONDUITS, ETC. THAT PENETRATE CONCRETE STRUCTURAL MEMBERS PRIOR TO PLACEMENT OF CONCRETE. CUTTING OR DRILLING OF HARDENED CONCRETE NOT PERMITTED.

DO NOT EMBED HORIZONTAL CONDUITS, PIPES, ETC., IN HORIZONTAL CONCRETE STRUCTURAL MEMBERS UNLESS SPECIFICALLY SHOWN ON STRUCTURAL DRAWINGS.

REQUIRED CONCRETE COVER FOR REINFORCING STEEL (UNLESS NOTED OTHERWISE):  
TOP 3" MINIMUM, BOTTOM 3" MINIMUM, SIDES 3" MINIMUM

PROVIDE CHAIRS, SPACERS, TIES, AND ALL DEVICES NECESSARY FOR PROPER PLACING, SPACING, SUPPORTING, AND FASTENING REINFORCEMENT AS REQUIRED BY ACI 315. PROVIDE CHAIRS, SPACERS, BOLSTERS, AND ITEMS IN CONTACT WITH FORMS WITH HOT-DIP GALVANIZED LEGS OR PLASTIC LEGS.

LAP SPLICE CONTINUOUS VERTICAL OR HORIZONTAL BARS IN CONCRETE MEMBERS BY WIRING TOGETHER IN CONTACT IN ACCORDANCE WITH ACI 318, LATEST EDITION, FOR CLASS "B" TENSION LAP SPLICES. DO NOT SPLICE CONTINUOUS TOP BARS IN BEAMS AT ENDS OF CLEAR SPANS. DO NOT SPLICE CONTINUOUS BOTTOM BARS IN BEAMS IN CLEAR SPANS BETWEEN SUPPORTS.

CONCRETE AUGER PILES SHALL PENETRATE FIRM ROCK 3' MIN.

**LUMBER, DECKING, & FASTENERS:**

FOR ALL FRAMING & INCIDENTAL CARPENTRY WORK USE SOUTHERN PINE NO. 1 OR DOUGLAS FIR NO. 1. LUMBER SHALL BE PRESSURE TREATED PER AWWA UC4B SPECIFICATIONS. MINIMUM RETENTION OF ACQ SHALL BE 0.60 POUNDS/CUBIC FOOT.

ALL DECKING SHALL BE SOUTHERN PINE NO. 1 OR DOUGLAS FIR NO. 1 WITH ROUNDED EDGES. LUMBER SHALL BE PRESSURE TREATED. MINIMUM RETENTION OF ACQ SHALL BE 0.40 POUNDS/CUBIC FOOT.

- STRINGERS: 2x10
- BENTS: 2x10
- DECKING: 2x6 (1/2" SPACING)

ATTACH DECKING TO EACH STRINGER WITH TWO #10 3" STAINLESS STEEL DECK SCREWS OR TWO 16d STAINLESS STEEL NAILS AT EACH CONNECTION POINT.

ATTACH BENTS TO PILING WITH TWO 5/8" STAINLESS STEEL BOLTS, WASHERS, AND NUTS AT EACH CONNECTION POINT. BORE HOLES SHALL BE 1/16 INCH GREATER IN DIAMETER THAN THE BOLT. UPON COMPLETION OF THE INSTALLATION, CHECK ALL NUTS FOR TIGHTNESS. PROVIDE BITUMINOUS PAINT, CAULK, OR SIMILAR FOR TO PREVENT DISSIMILAR METAL CONTACT.

ATTACH STRINGER TO BENT WITH STAINLESS STEEL SIMPSON STRONG-TIE HURRICANE STRAP OR APPROVED EQUAL. ALL CONNECTORS SHALL BE HEAVY DUTY TYPE FOR MARINE ENVIRONMENT APPLICATIONS.

LAY THE PLANKS WITH THE BEST SIDE UP AND WITH ADJACENT EDGES IN CONTACT UNLESS OTHER SPACING SPECIFIED.

PERFORM COUNTERSINKING WHEREVER THE HEADS OF SCREWS OR BOLTS WOULD OTHERWISE INTERFERE WITH THE ASSEMBLY OF THE WORK.

REVISIONS:			

CERTIFIED BY:  
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