

**PROJECT LOCATION**

LOT 7, BLOCK 18, JOLLY ROGER ESTATES  
RE#00217780-000000  
PLAT BOOK 5 PG 34  
LITTLE TORCH KEY  
SECTION 28, TOWNSHIP 66 SOUTH, RANGE 29 EAST  
LATITUDE: 24.658203°N LONGITUDE: 81.387589°W

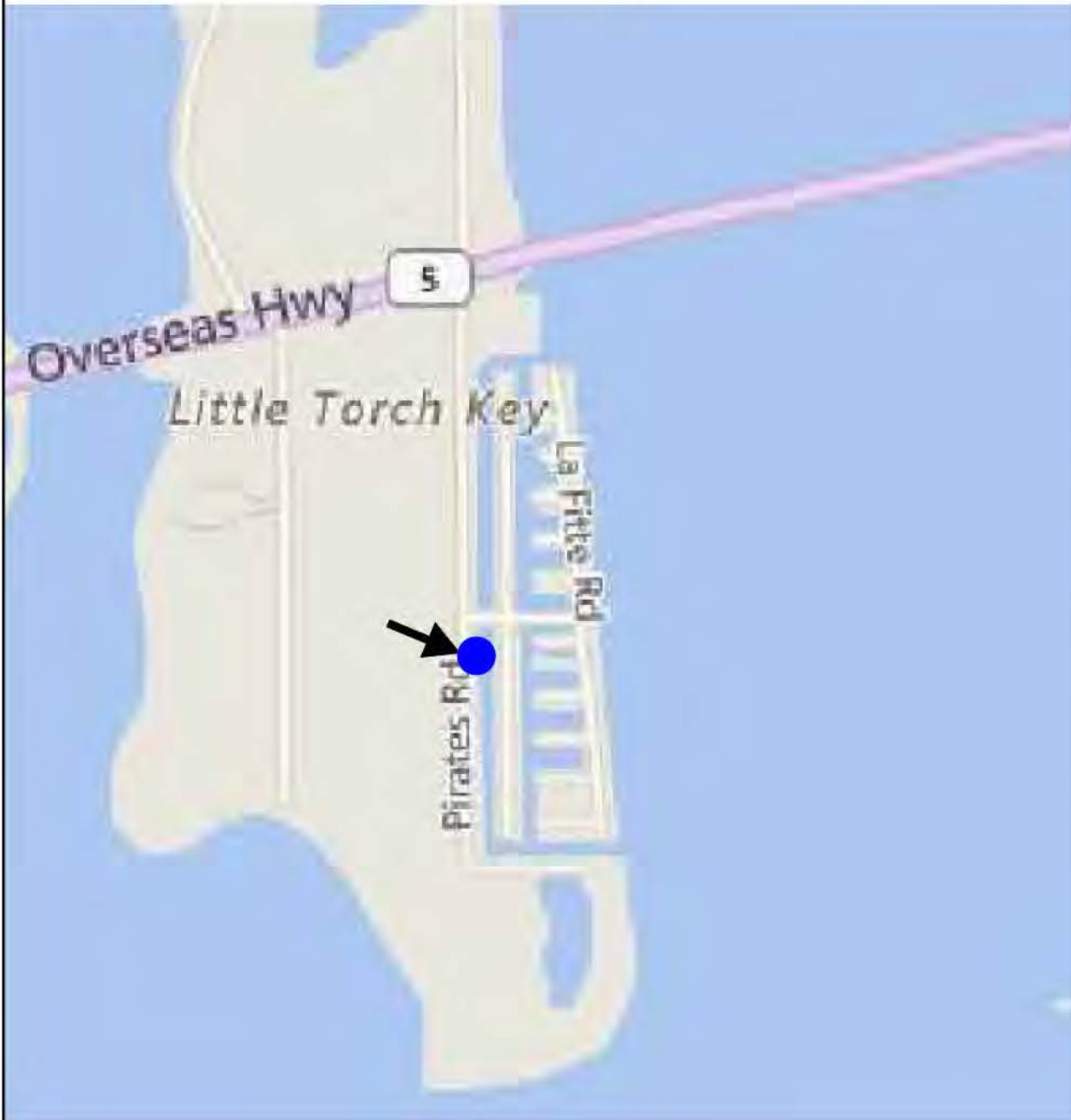
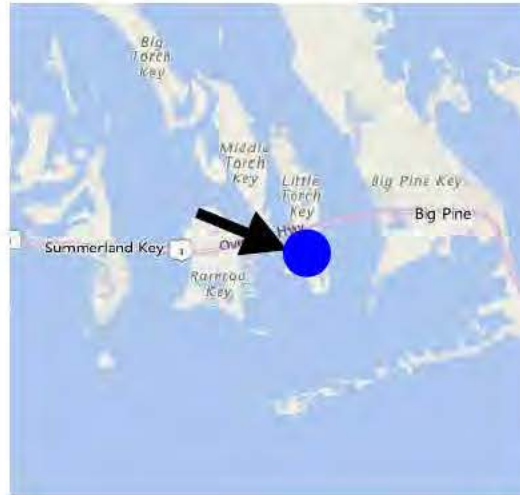
**DIRECTIONS:**

U.S. HIGHWAY NO. 1 SOUTH TO MM 28.5±. LEFT ONTO  
PIRATES RD. PROJECT SITE IS SOUTH AND ADJACENT  
TO 569 PIRATES ROAD.

**ADJOINING OWNERS**

MARC F. PHANEUF, SR.  
168 CAMP BETHEL RD.  
HADDAM, CT 06438-1343

WILIAM REMPFER  
1014 N. DOGWOOD DR.  
SURFSIDE BEACH, SC 29575-4239



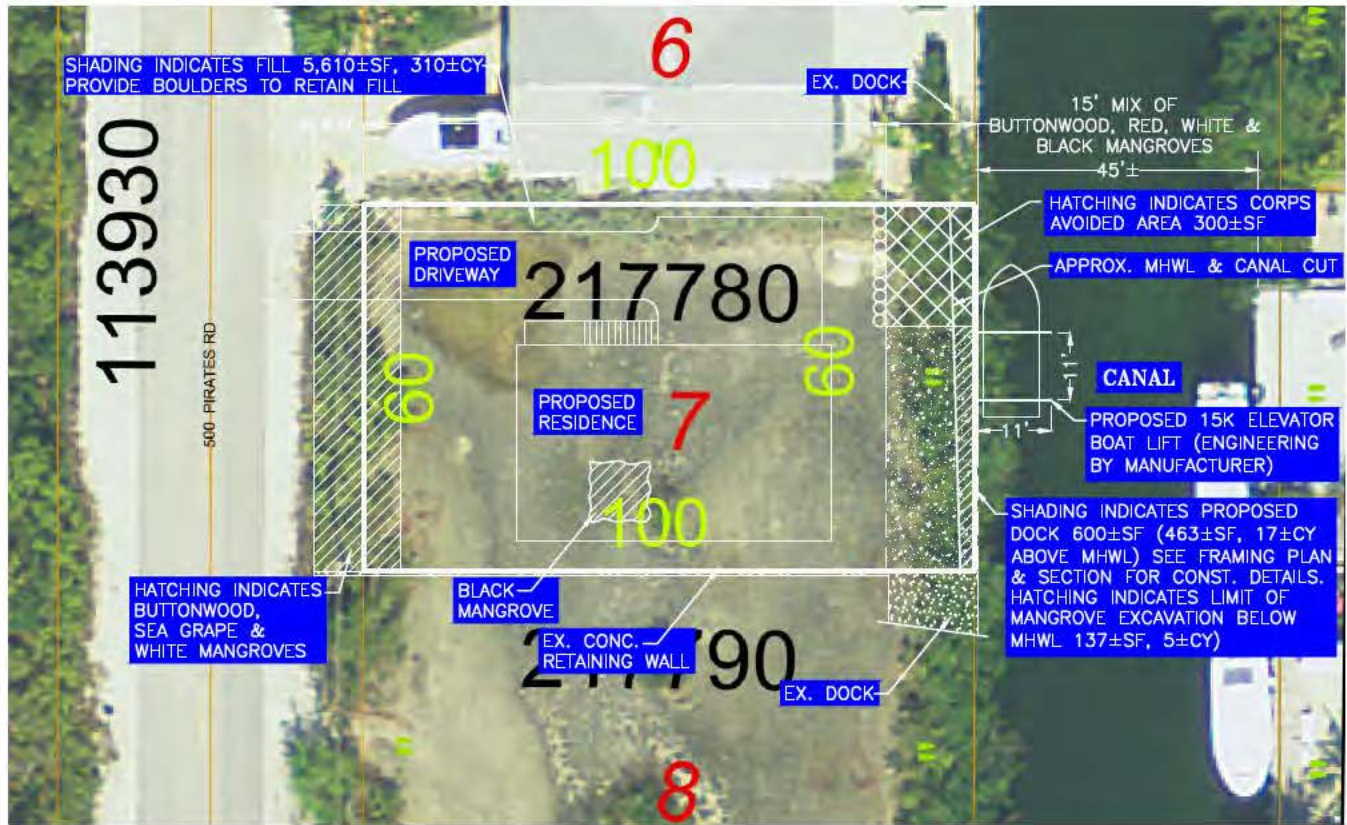
REVISIONS:

LOCATION & VICINITY MAP  
SCALE: AS SHOWN

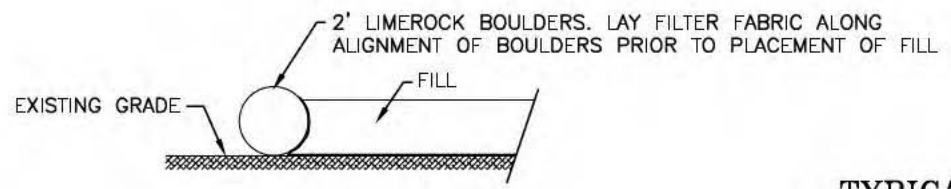
FILL FOR RESIDENCE, DOCK & BOAT LIFT  
FOR RICHARD TENEWITZ  
LITTLE TORCH KEY, MONROE COUNTY, FL

GLEN BOE AND ASSOCIATES, INC. # 4061  
5600 OVERSEAS HIGHWAY, SUITE 4, MARATHON, FL 33060  
Telephone (305) 743-8121 Fax (305) 743-9197  
Email: glenboe@boeassoc.com

DATE: 12/19/16

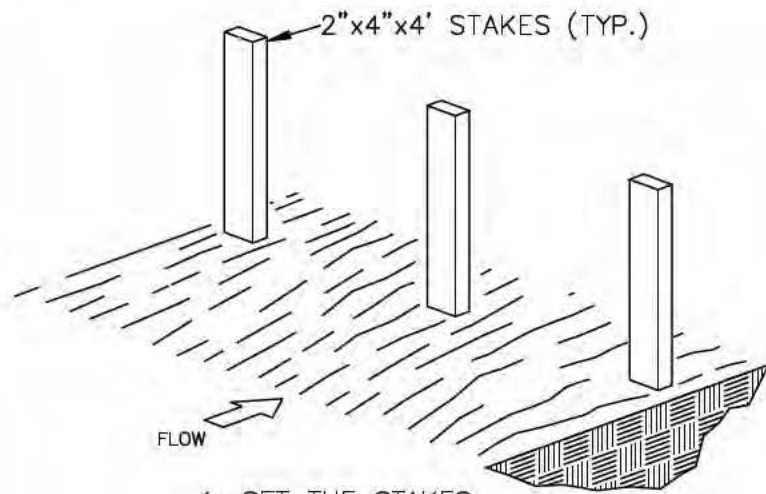


**SITE PLAN**  
SCALE: 1" = 30'

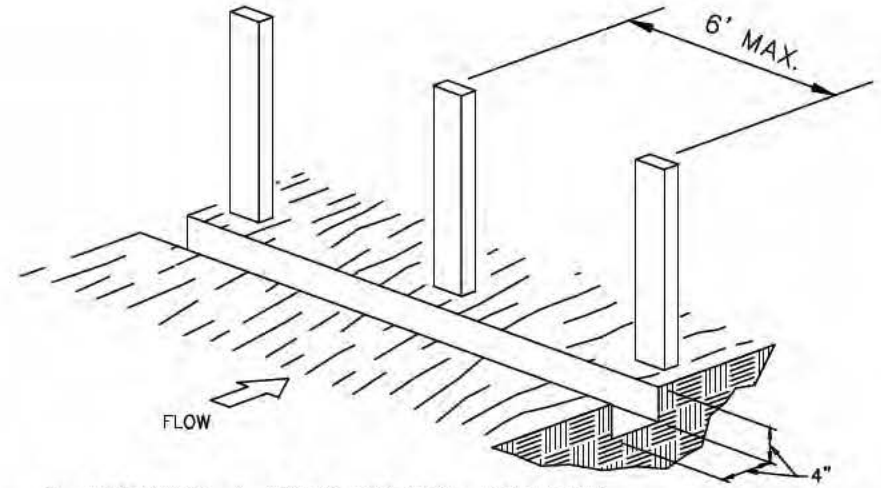


**TYPICAL SECTION**  
SCALE: 3/16" = 1'-0"

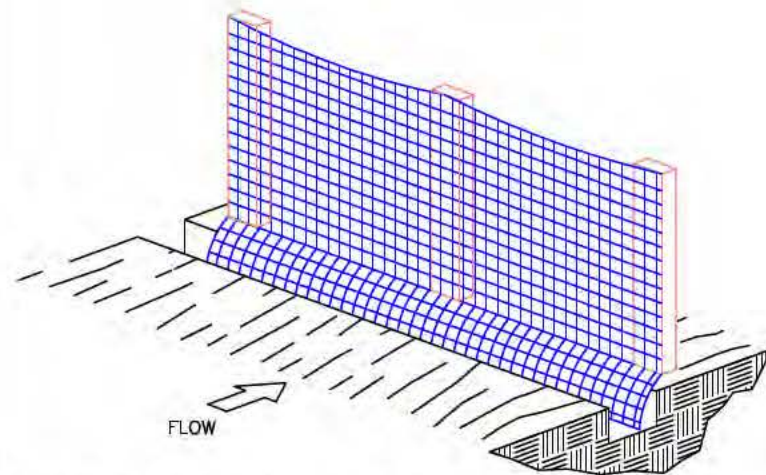
SHEET 2 OF 5	2	DATE: 12/19/16	<b>GLEN BOE AND ASSOCIATES, INC. # 4061</b> 5800 OVERSEAS HIGHWAY, SUITE 4, MARATHON, FL 33050 Telephone (305) 743-9121 Fax (305) 743-9197 Email: glenboe@bellsouth.net	<b>FILL FOR RESIDENCE, DOCK &amp; BOAT LIFT FOR RICHARD TENEWITZ LITTLE TORCH KEY, MONROE COUNTY, FL</b>	CERTIFIED BY: SEAN KIRWAN, P.E. #57506	REVISIONS:		
						<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%; text-align: center;">1</td> <td style="width: 15%;">01/04/16</td> </tr> <tr> <td style="text-align: center;">2</td> <td>02/09/17</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </table>	1	01/04/16
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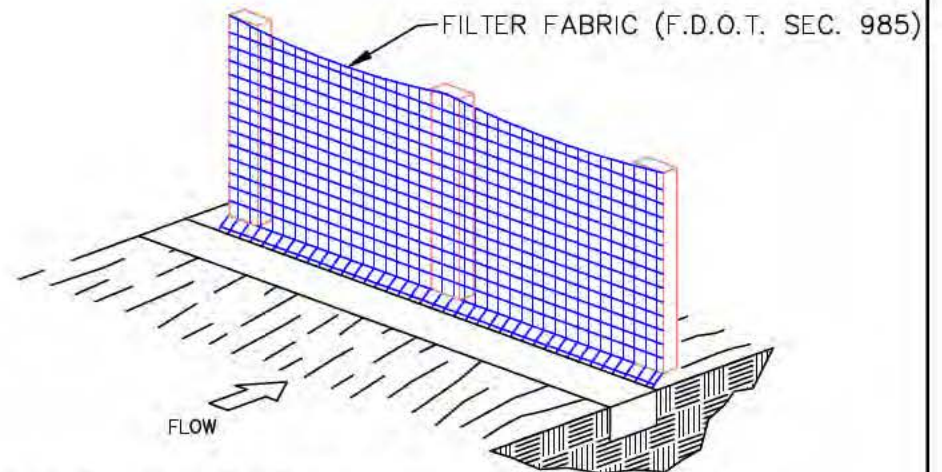
1. SET THE STAKES



2. EXCAVATE A 4"X4" TRENCH UPSLOPE ALONG THE LINE OF STAKES.

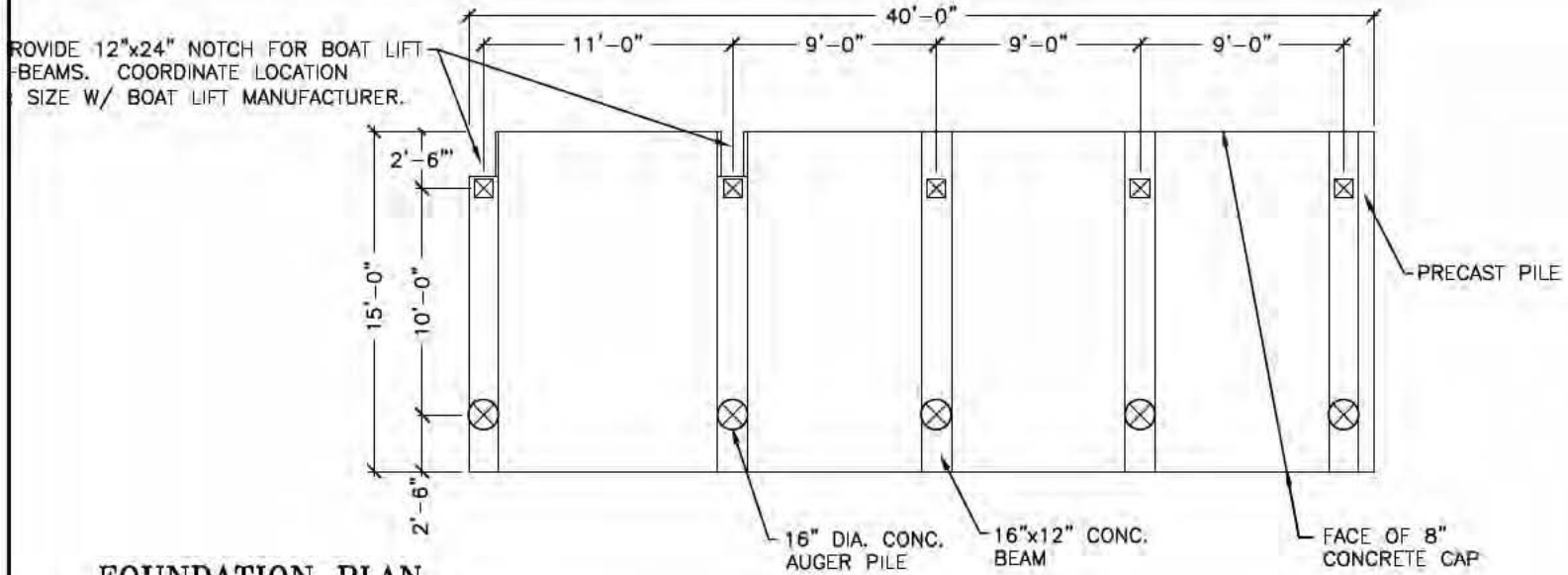


3. STAPLE FILTER MATERIAL TO STAKES AND EXTEND IT INTO THE TRENCH.

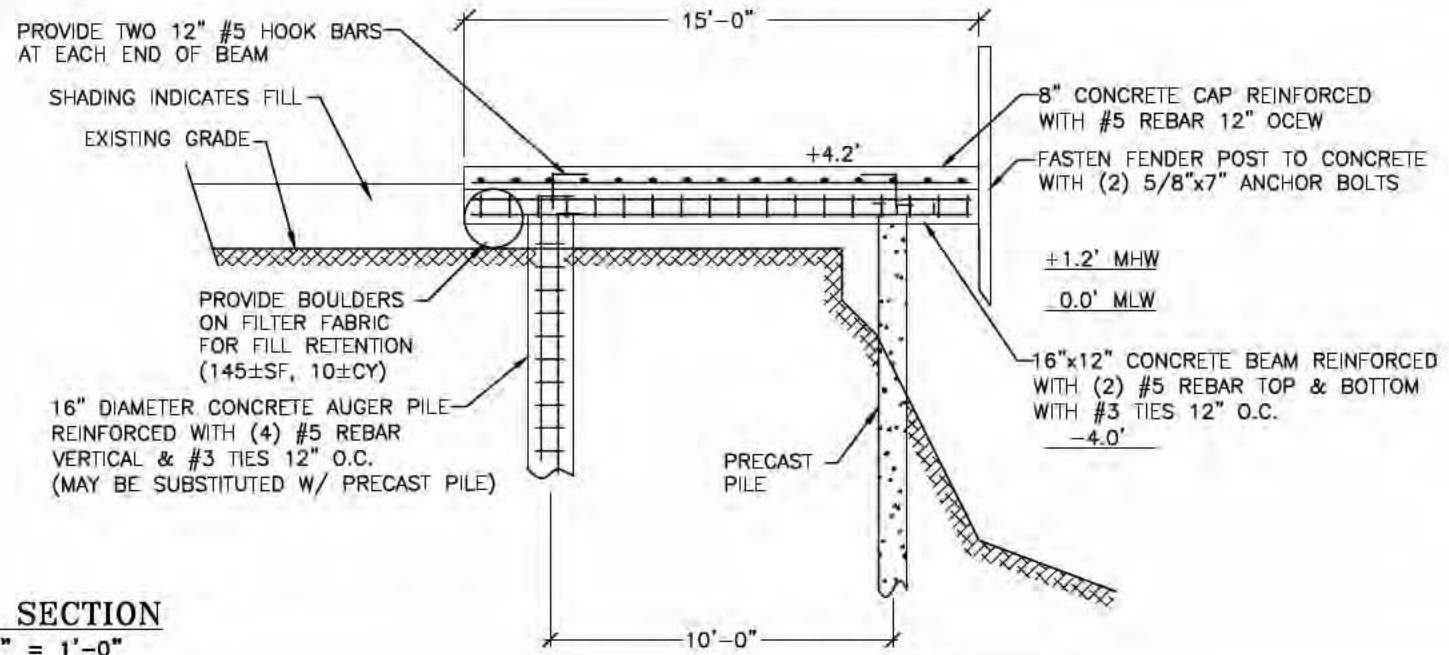


4. BACKFILL AND COMPACT THE EXCAVATED SOIL.

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

**FOUNDATION PLAN**  
SCALE: 1/8" = 1'-0"



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

SHEET 4 OF 5  
4  
DATE: 12/19/16

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SEAN KIRWAN, P.E. #57506

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1	02/09/17

**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 EDITION). 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 EDITION). 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. PROVIDE A MINIMUM OF 3" CLEARANCE FROM EDGE OF STRUCTURE TO EDGE OF BOLTS.

**PRECAST CONCRETE PILES:**

10"x10" PRESTRESSED CONCRETE PILES W/ FOUR 7/16" DIAMETER 270K STRANDS @ 21,700# INITIAL PULL (EACH) W/ W3.4 WIRE SPIRAL TIES. MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE 5000 PSI. CONCRETE SHALL BE FDOT CLASS V SPECIAL. ALL REINFORCING STEEL, EXCEPT SPIRAL TIES, SHALL BE ASTM A615, GRADE 60. SPIRAL TIES SHALL BE HARD DRAWN BASIC WIRE IN ACCORDANCE WITH ASTM A-82. EACH WRAP OF SPIRAL SHALL BE TIED TO AT LEAST TWO CORNER STRANDS.

PILES SHALL BE SET IN PREDRILLED OR PREPUNCHED HOLES AND DRIVEN TO PENETRATE FIRM ROCK 7' MIN.

PILES SHALL BE SPACED @ MAXIMUM OF 10' O.C. UNLESS OTHERWISE SHOWN.

DO NOT DRIVE PILES WITHIN 20 FEET OF CONCRETE LESS THAN SEVEN DAYS OLD.

RE-DRIVE ANY PILE WHICH IS RAISED DURING DRIVING OF ADJACENT PILES, TO THE ORIGINAL TIP ELEVATION.

CUT OFF PILES TO PROVIDE A MINIMUM OF 3" EMBEDMENT INTO CONCRETE BEAMS. PROVIDE A MINIMUM 30" SPLICE FOR ALL STRANDS.

PILES SHALL DEVIATE FROM PLUMB AND ANGLE OF BATTER NO MORE THAN 1/4 INCH PER FOOT OF PILE LENGTH, BUT NOT MORE THAN 6 INCHES OVERALL. PILES SHALL NOT DEVIATE FROM LOCATION OF PILE TOP MORE THAN 6 INCHES.

REMOVE CUTOFF SECTIONS OF PILES FROM THE SITE AND LEGALLY DISPOSE.

**CONCRETE CAP, BEAMS & 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):

- CONCRETE CAP – TOP 2" MINIMUM, BOTTOM 2" MINIMUM, SIDES 3" MINIMUM
- CONCRETE BEAM – TOP 2" MINIMUM, BOTTOM 3" MINIMUM, SIDES 3" MINIMUM
- CONCRETE AUGER – 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.

AUGER PILES SHALL PENETRATE FIRM ROCK 3' MIN.

REVISIONS:				

CERTIFIED BY:  
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DATE: 12/18/18