

**PROJECT LOCATION**

RE: 00186600-000000  
 LOT 17, BLOCK 17  
 CUTTHROAT HARBOR ESTATES 1ST ADDN.  
 PLAT BOOK 5 PG 60  
 CUDJOE KEY  
 SECTION 33, TOWNSHIP 66 SOUTH, RANGE 28 EAST  
 LATITUDE: 24.648307°N LONGITUDE: 81.476919°W

**DIRECTIONS:**

U.S. HIGHWAY NO. 1 SOUTH TO MM 23±. LEFT ONTO  
 SPANISH MAIN DR. RIGHT ONTO PUERTO BELLO DR.  
 LEFT ONTO THATCH LN.  
 PROJECT SITE: 1116 THATCH LANE

**ADJOINING OWNERS**

LAWRENCE K., JR & SANDRA WAGNER  
 13409 CAMBRIA FARMS RD.  
 PHOENIX, MD 21131-1637

CARLO & JEANINE CAROLLO  
 56347 FRANK PICHON RD.  
 SLIDELL, LA 70458-8415



REVISIONS:	
1	06/12/17

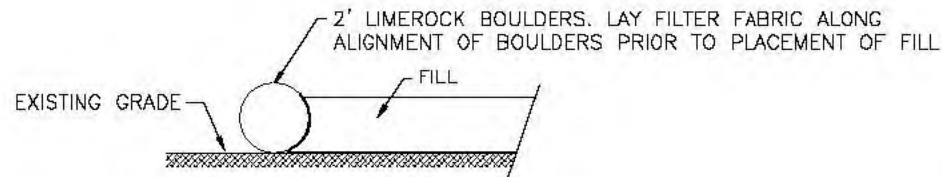
LOCATION & VICINITY MAP  
 SCALE: AS SHOWN



FILL, DOCK WITH DAVITS & MAINTENANCE DREDGING  
 FOR 1116 THATCH LANE CONSTRUCTION LLC (LOT 17)  
 CUDJOE KEY, MONROE COUNTY, FL

GLEN BOE AND ASSOCIATES, INC. # 4061  
 5600 OVERSEAS HIGHWAY, SUITE 4, MARATHON, FL 33050  
 Telephone (305) 743-9121 Fax (305) 743-9197  
 Email: glenboe@gbasouth.net

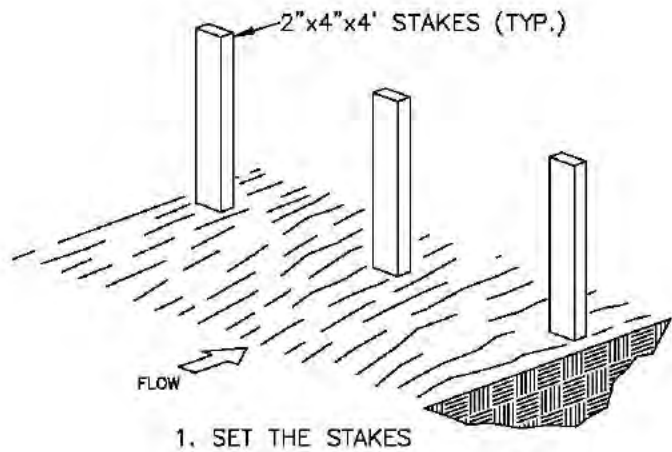
DATE: 03/16/16



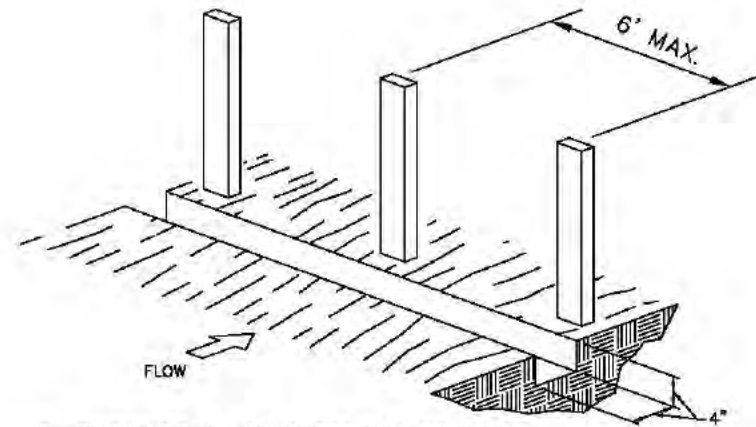
**TYPICAL SECTION**

SCALE: 3/16" = 1'-0"

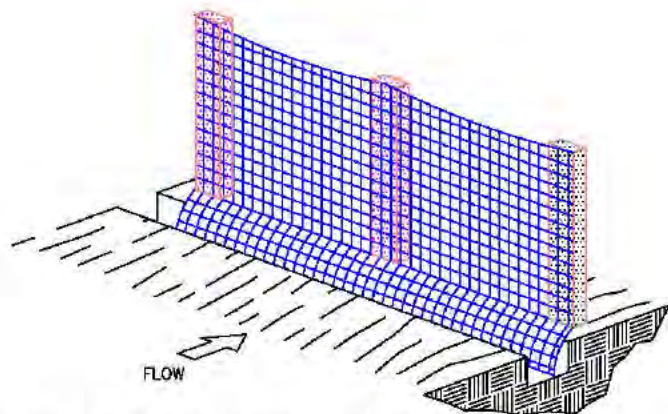
SHEET 2 OF 8	2	DATE: 05/16/18	<b>GLEN BOE AND ASSOCIATES, INC. # 4061</b> 8800 OVERSEAS HIGHWAY, SUITE 4, MARATHON, FL 33080 Telephone (305) 743-9121 Fax (305) 743-9187 Email: glenboe@bellsouth.net	<b>FILL, DOCK WITH DAVITS &amp; MAINTENANCE DREDGING FOR 1116 THATCH LANE CONSTRUCTION LLC (LOT 17) CUDJOE KEY, MONROE COUNTY, FL</b>	CERTIFIED BY: <b>SEAN KIRWAN, P.E. #57500</b>	REVISIONS:
						1 06/12/17



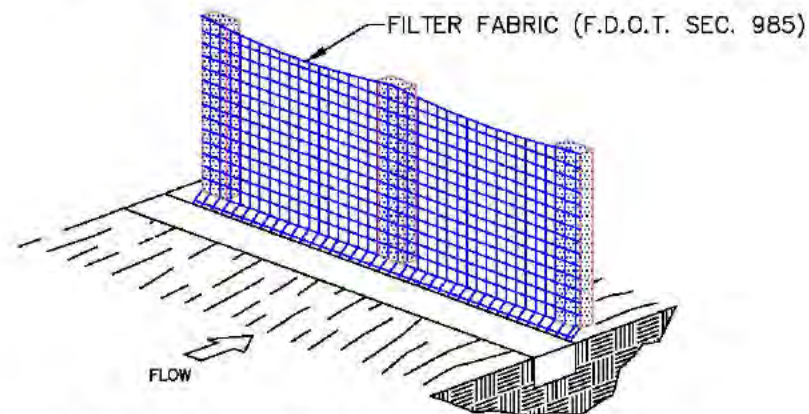
1. SET THE STAKES



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

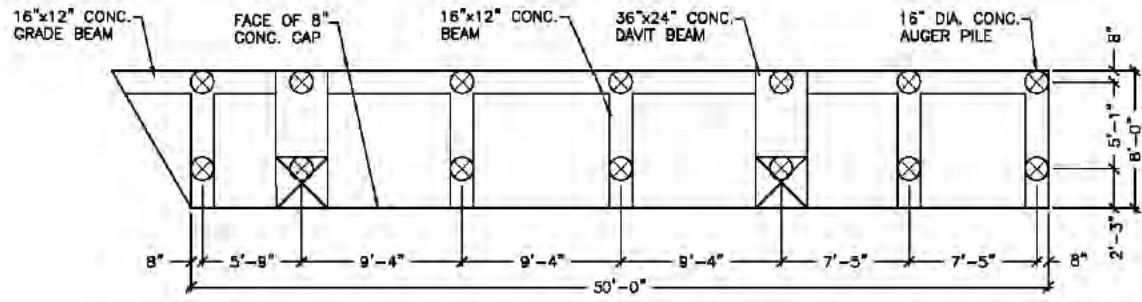


3. STAPLE FILTER MATERIAL TO STAKES  
AND EXTEND IT INTO THE TRENCH.



4. BACKFILL AND COMPACT THE EXCAVATED SOIL.

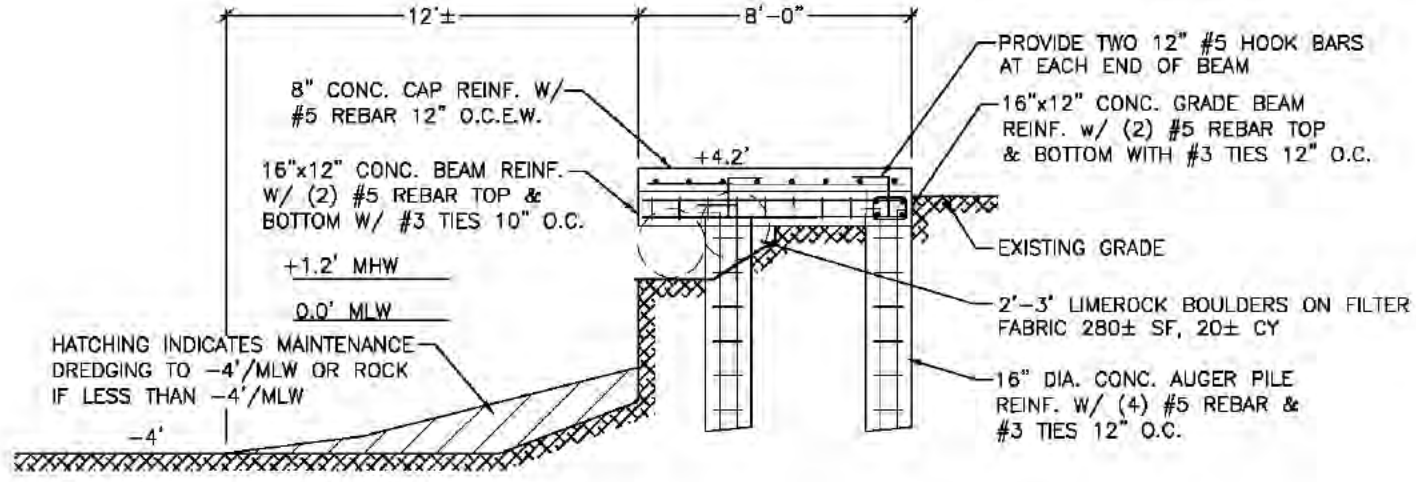
F.D.O.T. TYPE III FILTER FENCE



CANAL

**FOUNDATION PLAN**

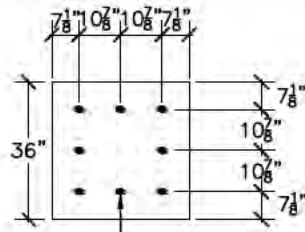
SCALE: 1/8" = 1'-0"



**TYPICAL SECTION**

SCALE: 3/16" = 1'-0"

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(8) 3/4"x16" GALV. "J" BOLTS  
HOOKED UNDER #3 TIE.

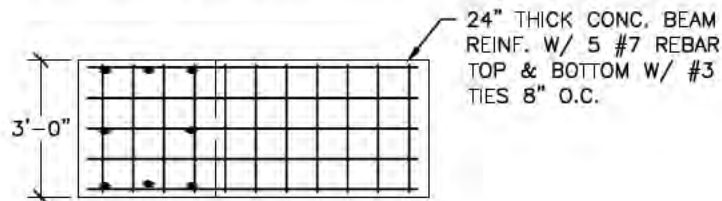
**BOLT PATTERN**

**NOTES**

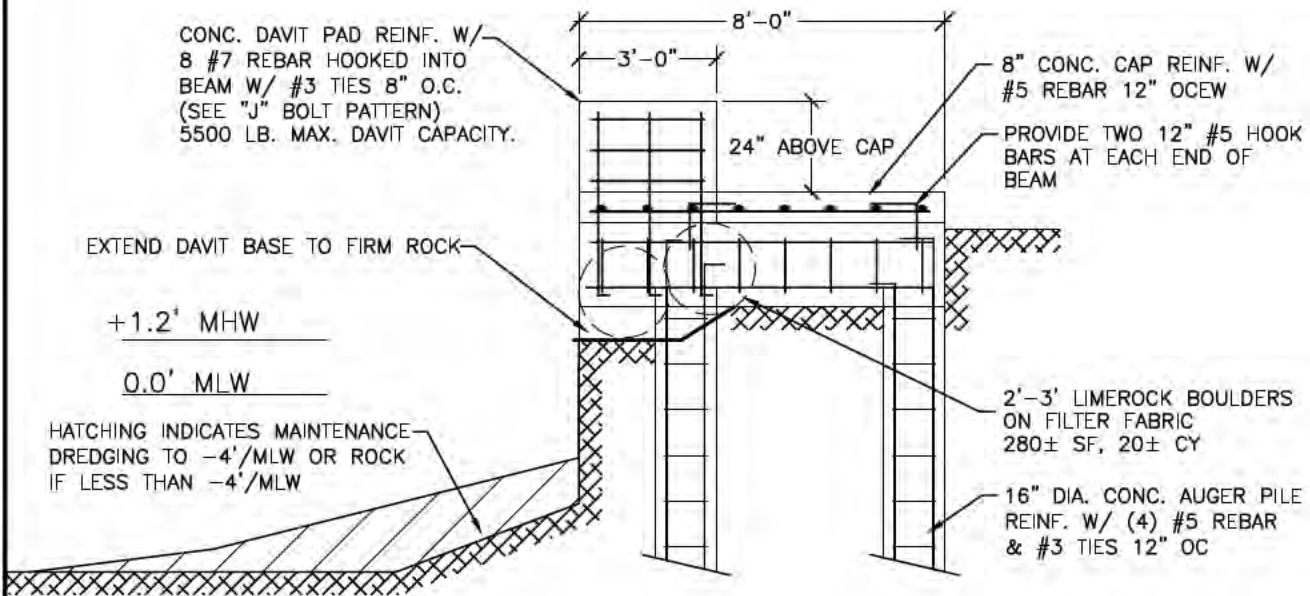
110V/30 AMP G.F.C.I. ELECTRIC OUTLET @ EACH DAVIT PAD (BY OTHERS)

ALL STEEL SHALL BE ASTM GRADE 60 (MIN) WITHIN 5,000 PSI (MIN) CONC.

VERIFY BOLT SIZE & PATTERN WITH DAVIT MANUFACTURER PRIOR TO PLACING CONCRETE.



**PLAN VIEW**



**SECTION**

**DAVIT DETAILS**

SCALE: 1/4" = 1'-0"

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CERTIFIED BY:  
SEAN KIRWAN, P.E. #67506

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Telephone (305) 743-9121 Fax (305) 743-9197  
Email: glenboe@bellsouth.net

DATE: 03/16/18

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

**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.

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CERTIFIED BY:  
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