

PROJECT LOCATION

RE: 00186610-00000
LOT 18, BLOCK 17
CUTTHROAT HARBOR ESTATES 1ST ADDN.
PLAT BOOK 5 PG 60
CUDJOE KEY
SECTION 33, TOWNSHIP 66 SOUTH, RANGE 28 EAST
LATITUDE: 24.648066°N LONGITUDE: 81.477049°W

DIRECTIONS:

U.S. HIGHWAY NO. 1 SOUTH TO MM 23±. LEFT ONTO
SPANISH MAIN DR. RIGHT ONTO PUERTO BELLO DR.
LEFT ONTO THATCH LANE.
PROJECT SITE: 1106 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 18)
CUDJOE KEY, MONROE COUNTY, FL

GLEN BOE AND ASSOCIATES, INC. # 4061
5800 OVERSEAS HIGHWAY, SUITE 4, MARATHON, FL 33050
Telephone (305) 743-9121 Fax (305) 743-9197
Email: glenboe@gbasouth.net

DATE: 03/16/16

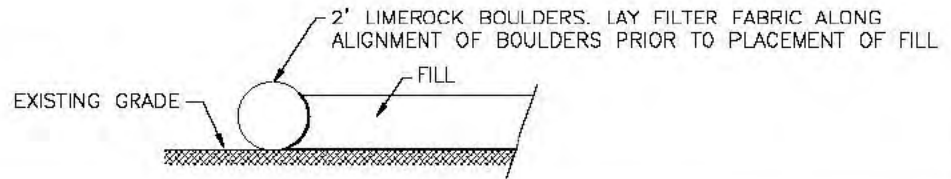


SITE PLAN
SCALE: 1" = 30'



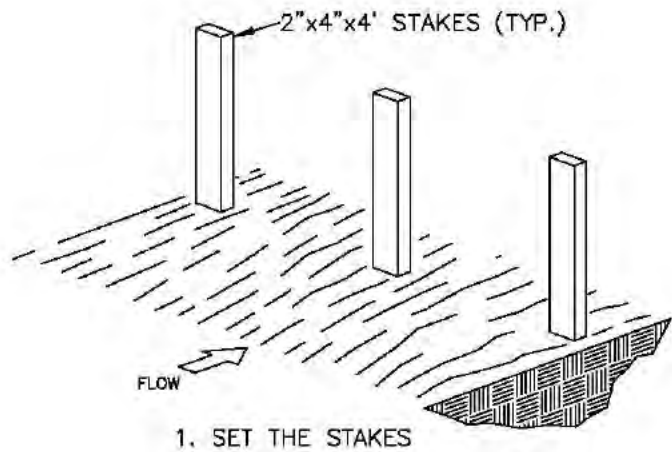
HATCHING INDICATES LIMIT OF PROPOSED & PERMITTED FILL AREA FOR RESIDENCE & APPURTENANCES. PROVIDE BOULDERS OR TIMBERS TO RETAIN FILL, PROVIDE TEMPORARY FILTER FABRIC FENCE DURING CONSTRUCTION

TOTAL LAND AREA	8577 SF
APPROVED FILL AREA FOR BUILDING & APPURTENANCES	
DEP #44-0299490-001	
CORPS #SAJ-2009-02847	3249 SF, 65 CY
PROPOSED DOCK AREA	480 SF
AVOIDED AREA	185 SF
PROPOSED FILL AREA	4663 SF, 85 CY

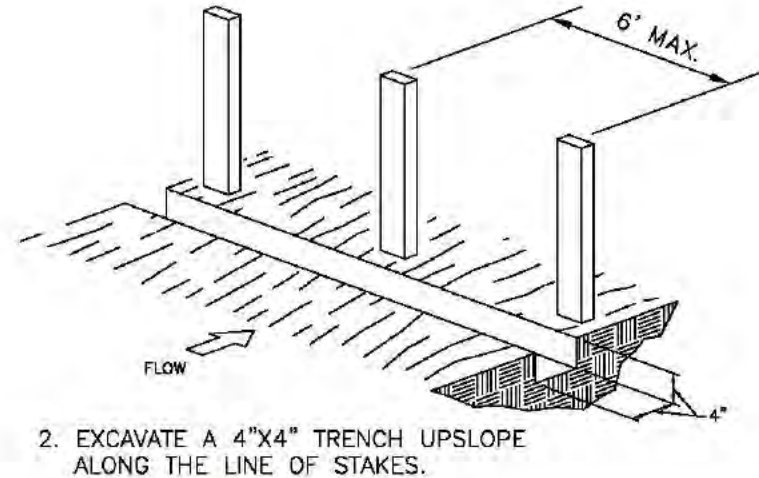


TYPICAL SECTION
SCALE: 3/16" = 1'-0"

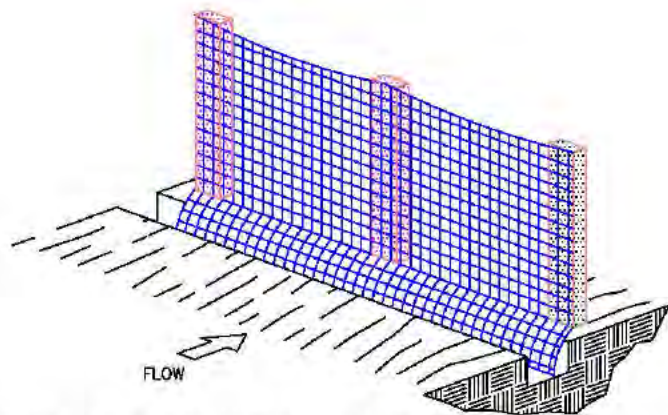
SHEET 2 OF 8	2	DATE: 05/16/18	GLEN BOE AND ASSOCIATES, INC. # 4061 5800 OVERSEAS HIGHWAY, SUITE 4, MARATHON, FL 33060 Telephone (305) 743-9121 Fax (305) 743-9187 Email: gjenboe@bellcoouth.net	FILL, DOCK WITH DAVITS & MAINTENANCE DREDGING FOR 1116 THATCH LANE CONSTRUCTION LLC (LOT 18) CUDJOE KEY, MONROE COUNTY, FL	CERTIFIED BY: SEAN KIRWAN, P.E. #57500	REVISIONS:
						<table border="1"> <tr> <td>1</td> <td>06/12/17</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </table>
1	06/12/17					



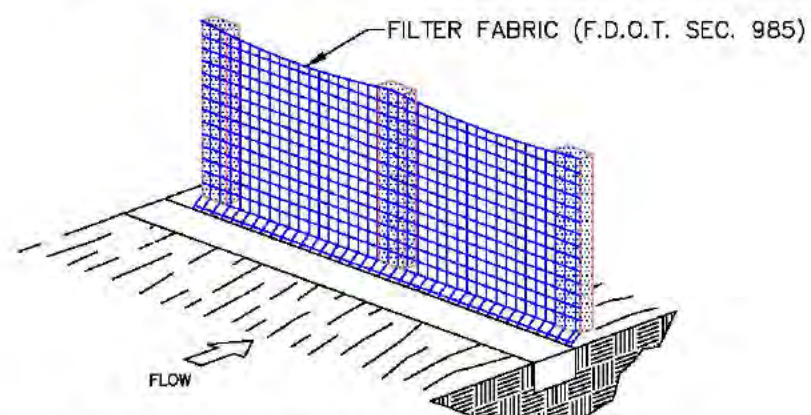
1. SET THE STAKES



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

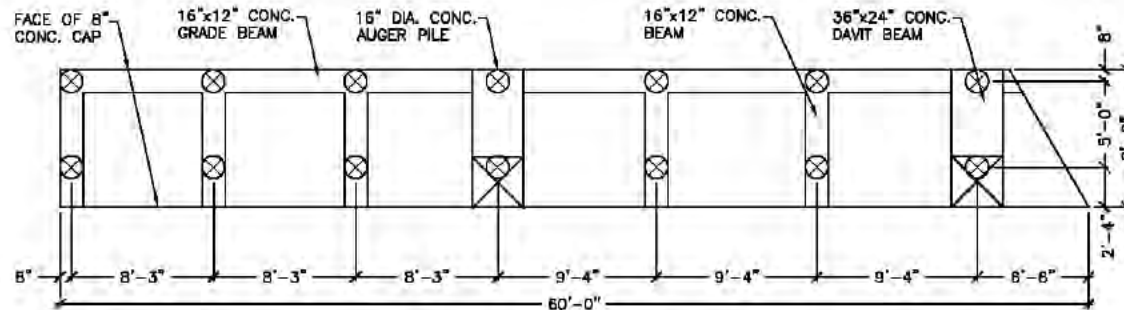


3. STAPLE FILTER MATERIAL TO STAKES
AND EXTEND IT INTO THE TRENCH.



4. BACKFILL AND COMPACT THE EXCAVATED SOIL.

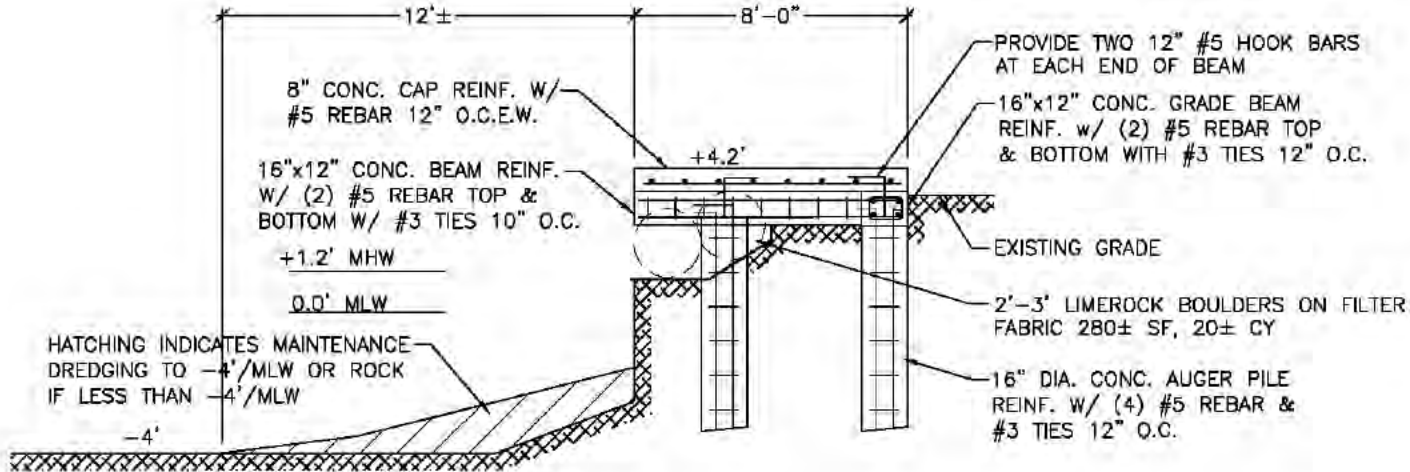
F.D.O.T. TYPE III FILTER FENCE



CANAL

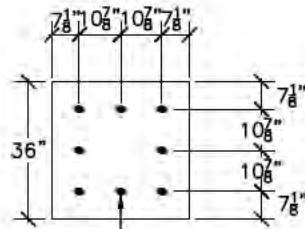
FOUNDATION PLAN

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



TYPICAL SECTION

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



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

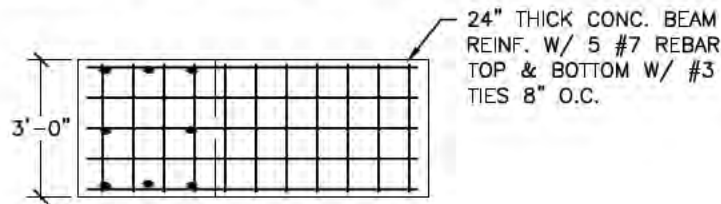
BOLT PATTERN

NOTES

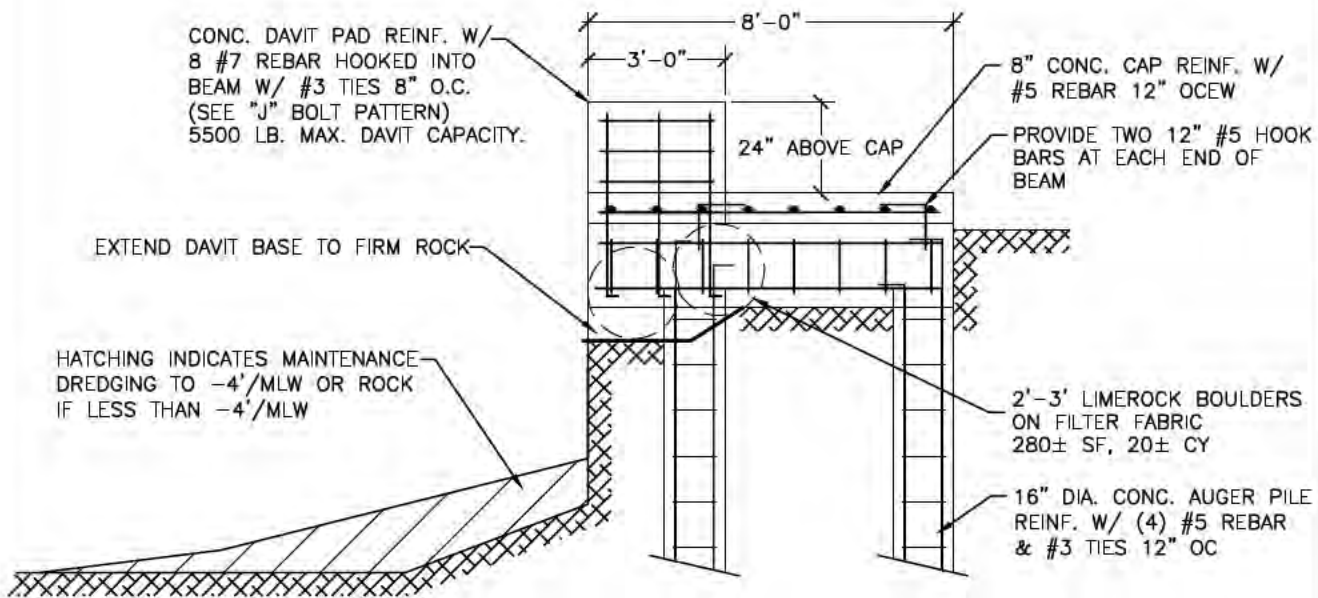
110V/30 AMP G.F.C.I. ELECTRIC OUTLET @ EACH DAVIT PAD (BY OTHERS)

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 DETAIL

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

REVISIONS:	06/12/17
1	

CERTIFIED BY:
SEAN KIRWAN, P.E. #47506

FILL, DOCK WITH DAVITS & MAINTENANCE DREDGING
FOR 1116 THATCH LANE CONSTRUCTION LLC (LOT 18)
CUDJOE KEY, MONROE COUNTY, FL

GLEN BOE AND ASSOCIATES, INC. # 4061
5800 OVERSEAS HIGHWAY, SUITE 4, MARATHON, FL 33060
Telephone (352) 743-9121 Fax (352) 743-9197
Email: glenboe@balsouth.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.

REVISIONS:	06/12/17
1	

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

FILL, DOCK WITH DAVITS & MAINTENANCE DREDGING
FOR 1116 THATCH LANE CONSTRUCTION LLC (LOT 18)
CUDJOE KEY, MONROE COUNTY, FL

GLEN BOE AND ASSOCIATES, INC. # 4061
5800 OVERSEAS HIGHWAY, SUITE 4, MARATHON, FL 33060
Telephone (352) 743-9121 Fax (352) 743-9197
Email: glenboe@balsouth.net

DATE: 03/16/18

0