REVISIONS:

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PROJECT LOCATION RE: 00355810-000000

LOT 37, BLOCK 1,

AMENDED PLAT OF FLAMINGO ISLAND ESTATES

BOOT KEY P.B. 5, PG. 121

SEC. 15, TWP. 66S, RGE. 32E

LAT.: 24.701539°N LONG.: 81.085076°W

DIRECTIONS:

U.S. HIGHWAY NO. 1 SOUTH TO MM 52±. LEFT ONTO SOMBRERO BEACH RD. LEFT ONTO COPA D'ORO. LEFT ONTO COPA D'ORO EAST. RIGHT ONTO SAGUARO LN.

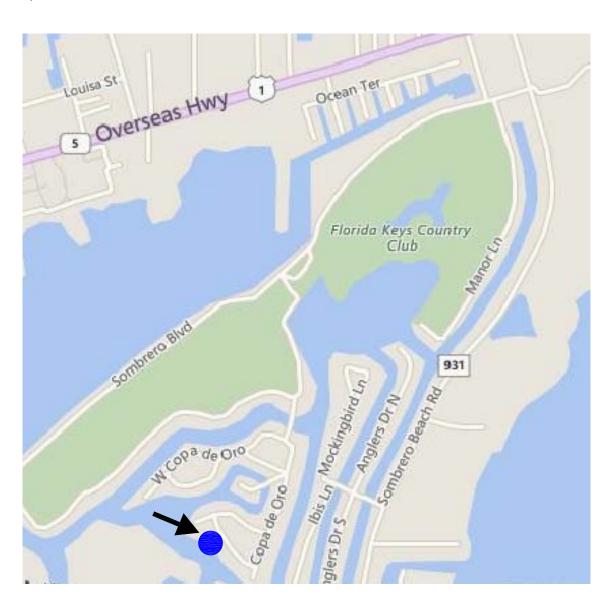
PROJECT SITE: ADJACENT TO 984 OCOTILLO LANE.

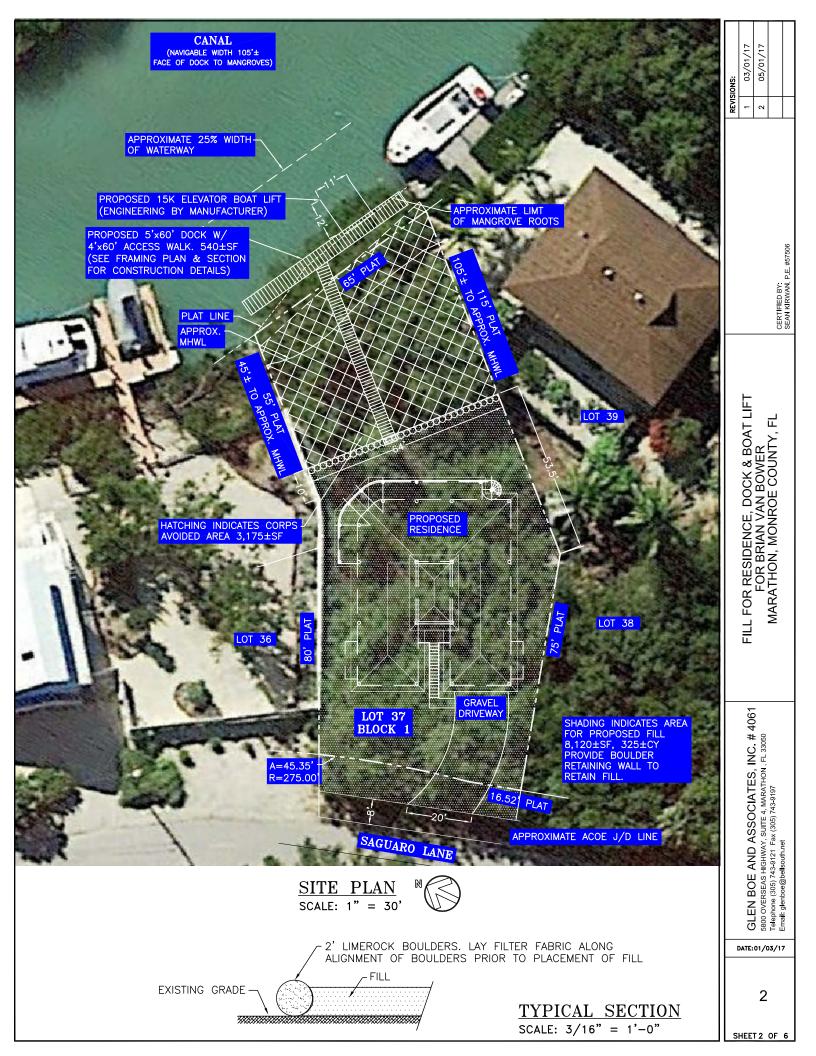
ADJOINING OWNERS HECTOR & MARIA SARDINA (LOT 39, BLOCK 1) 984 OCOTILLO LANE

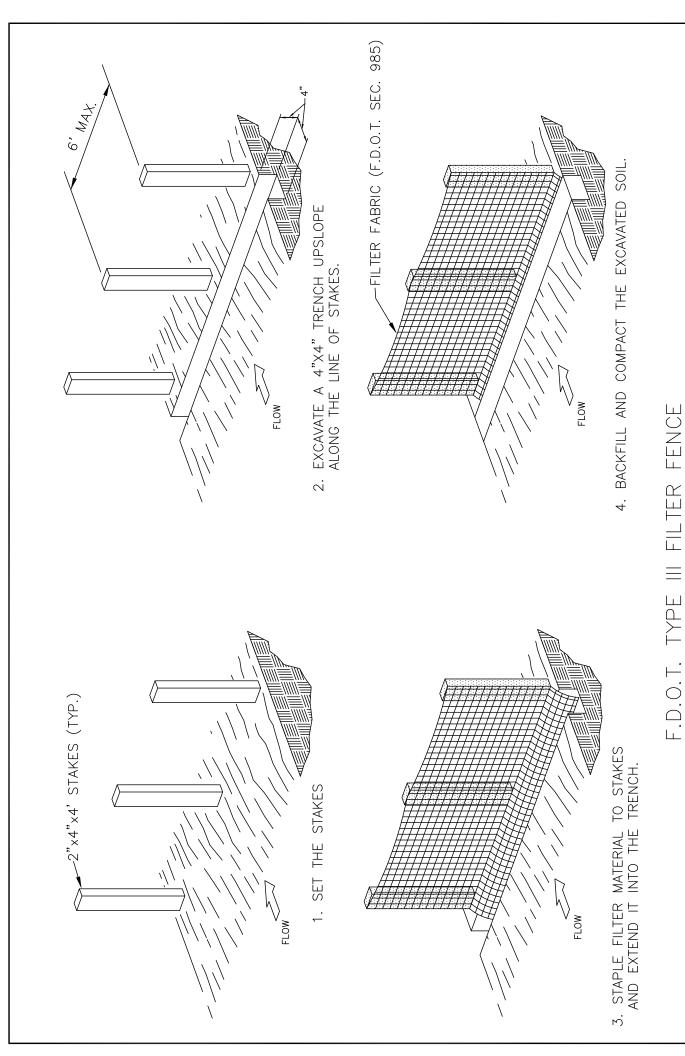
MARATHON, FL 33050

THOMAS G. & KAREN A. SHAURETTE 105 SAGUARO LN MARATHON, FL 33050-2476









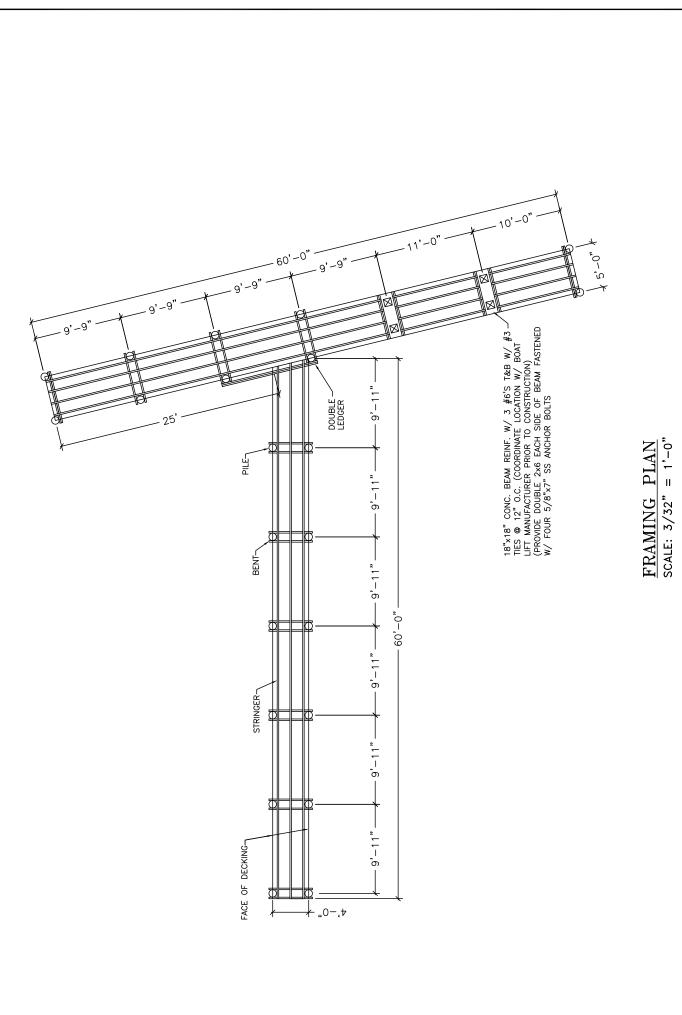
FILL FOR RESIDENCE, DOCK & BOAT LIFT FOR BRIAN VAN BOWER MARATHON, MONROE COUNTY, FL

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

REVISIONS:

DATE:01/03/17

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



FOR RESIDENCE, DOCK & BO,

FILL FOR RESIDENCE, DOCK & BOAT LIFT FOR BRIAN VAN BOWER MARATHON, MONROE COUNTY, FL

CERTIFIED BY: SEAN KIRWAN, P.E. #57806

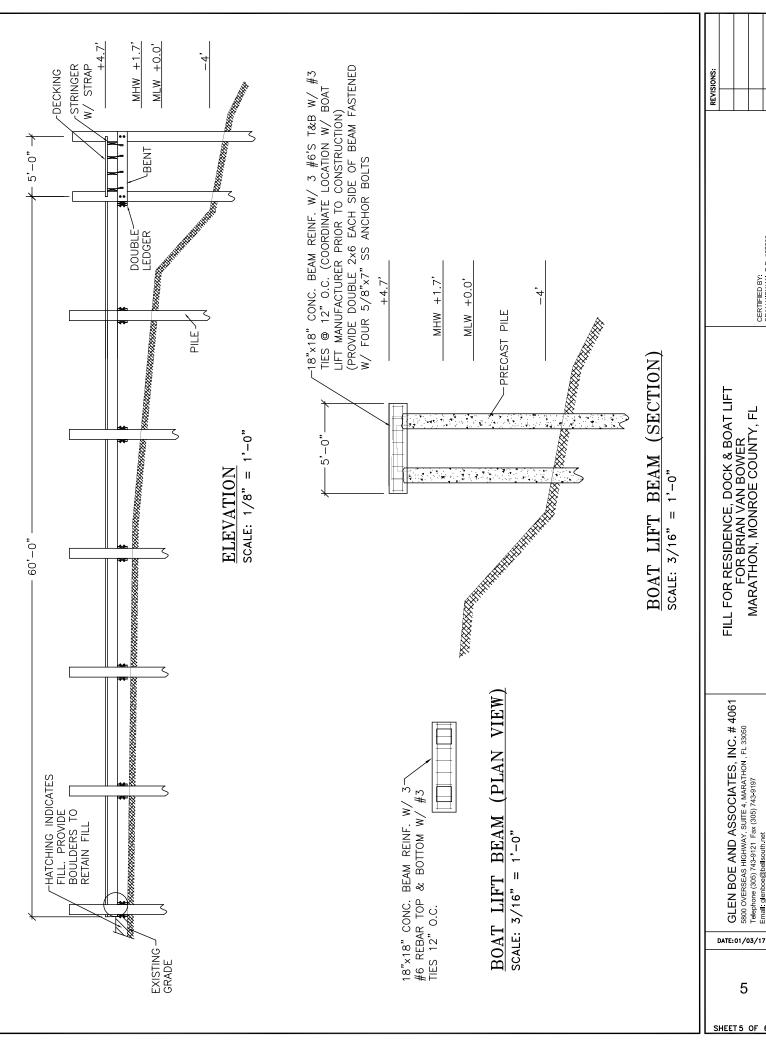
REVISIONS:

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FILL FOR RESIDENCE, DOCK & BOAT LIFT FOR BRIAN VAN BOWER MARATHON, MONROE COUNTY, FL

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

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SHALL NOT DEVIATE FROM LOCATION OF PILE TOP MORE THAN 6 INCHES

WOOD PILES NOT MEETING ASTM D25 REQUIREMENTS WILL BE REJECTED. REMOVE SUCH PILES FROM THE SITE AND REPLACE WITH SOUND PILES. PILES BROKEN UNDER DRIVING STRESSES MAY BE CUT OFF AND LEFT IN PLACE IF APPROVED BY THE DESIGN ENGINEER FOR THE LOCATION. OTHERWISE THEY SHALL BE EXTRACTED AND REMOVED FROM THE SITE.

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

CONCRETE BEAMS

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 BEAM - TOP 2" 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.

<u>LUMBER, DECKING, & FASTENERS:</u>
ALL BENTS AND STRINGERS SHALL BE SOUTHERN PINE NO. 2 OR DOUGLAS FIR NO. 2. LUMBER SHALL BE PRESSURE TREATED PER AWPA UC4B SPECIFICATIONS. MINIMUM RETENTION OF CCA 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.

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

교 & BOAT CE, DOCK & BOA' I VAN BOWER INROE COUNTY, BRIAN VAN E IN, MONROE FILL FOR RESIDENCE, FOR BR MARATHON, I

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

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