

PROJECT LOCATION
 PART OF GOVERNMENT LOT 3, PART RIGHT OF WAY SR4-A
 & SUBMERGED LANDS WITHIN STATE BOT LEASE 441526545
 UPPER MATECUMBE KEY

SEC 6, TWP 64, RGE 37

LAT: 24°53'55" LONG: 80°39'35"

DIRECTIONS

US HWY NO 1 NORTH TO MM79+/-
 PROJECT SITE ADDRESS: 79786 OVERSEAS HIGHWAY

ADJOINING OWNER

FLORIDA DEPARTMENT OF TRANSPORTATION
 3100 OVERSEAS HIGHWAY
 MARATHON, FL 33050
 (EASTERLY & WESTERLY ADJOINER)

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF STATE LANDS
 3900 COMMONWEALTH BOULEVARD MAIL STATION 115
 TALLAHASSEE, FL 32399-3000
 (NORTHERLY ADJOINER)

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LOCATION & VICINITY MAP



DATE: 03/18/09

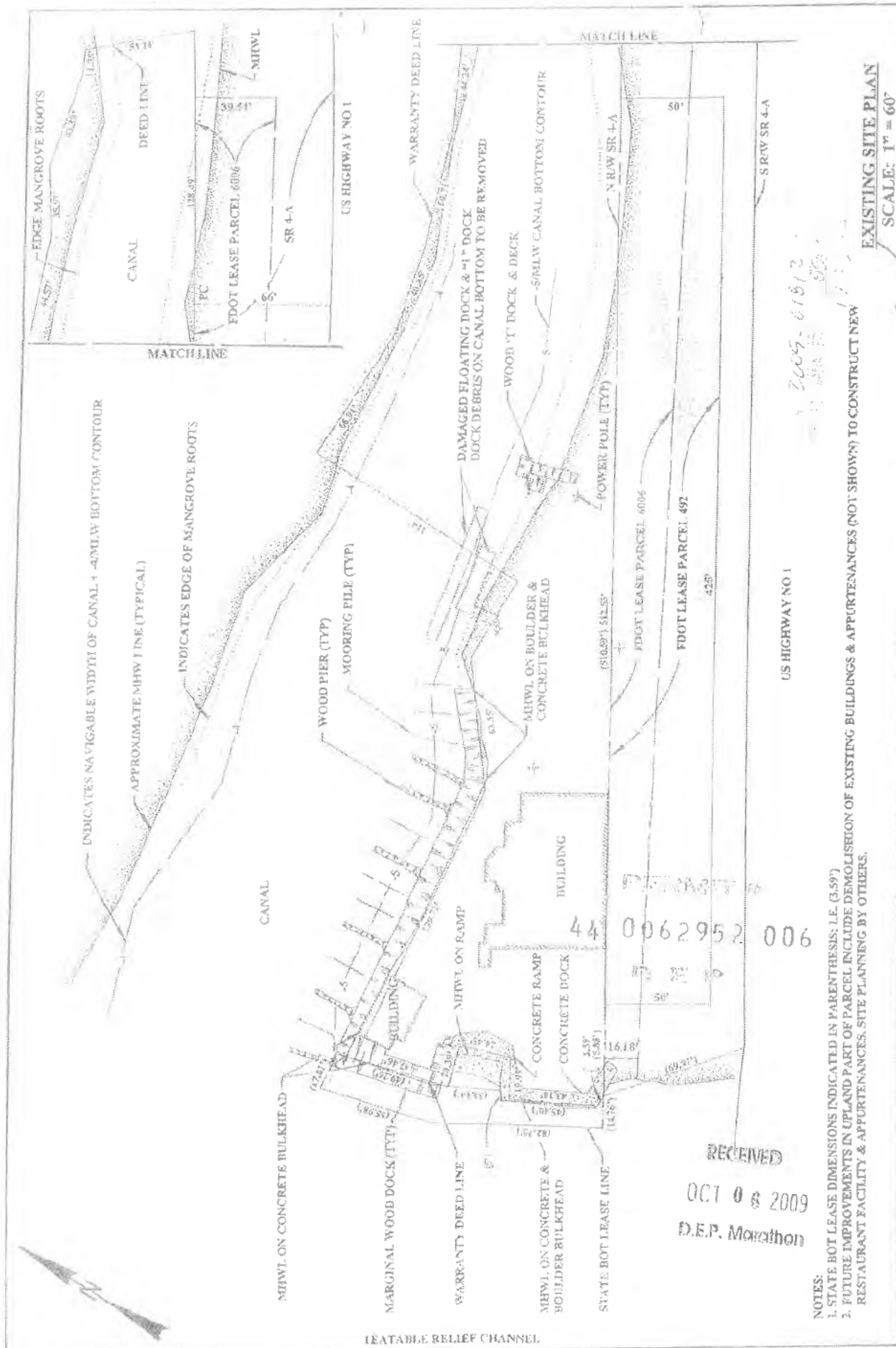
SHEET 1 OF 11

GLEN BOE & ASSOCIATES, INC #4061
 5800 OVERSEAS HIGHWAY, SUITE 4
 MARATHON, FL 33050
 TEL: (305) 743-9121 FAX: (305) 743-9197

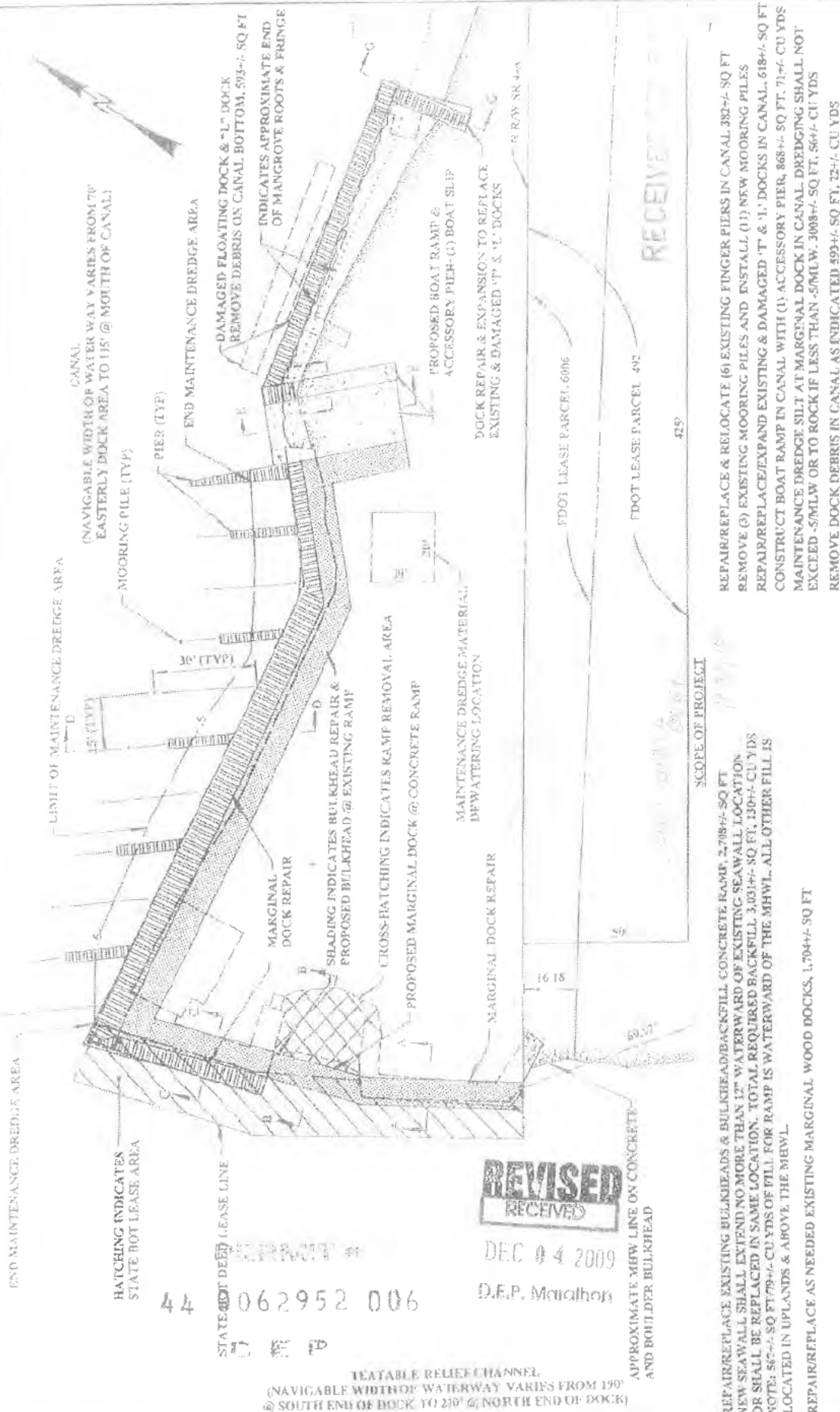
SHORELINE REPAIR & IMPROVEMENTS
 FOR CAP'N WELLS LLC
 UPPER MATECUMBE KEY, MONROE COUNTY, FL

CERTIFIED BY:
 SEAN KIRWAN, PE #57506

REVISIONS:



SHEET 2 OF 11	DATE: 03/18/09	GLEN BOE & ASSOCIATES, INC #4061 5800 OVERSEAS HIGHWAY, SUITE 4 MARATHON, FL 33050 TEL: (305) 743-9121 FAX: (305) 743-9197	SHORELINE REPAIR & IMPROVEMENTS FOR CAP'N WELLS LLLP UPPER MATECUMBE KEY, MONROE COUNTY, FL CERTIFIED BY: SEAN KIRWAN, PE #57506	REVISIONS: 1 06/30/09
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TEATABLE RELIEF CHANNEL
(NAVIGABLE WIDTH OF WATERWAY VARIES FROM 190' @ SOUTH END OF DOCK TO 210' @ NORTH END OF DOCK)

SCOPE OF PROJECT

REPAIR/REPLACE EXISTING BULKHEADS & BULKHEAD/BACKFILL CONCRETE RAMP, 2,708+/- SQ FT
NEW SEAWALL SHALL EXTEND NO MORE THAN 12" WATERWARD OF EXISTING SEAWALL LOCATION
OR SHALL BE REPLACED IN SAME LOCATION. TOTAL REQUIRED BACKFILL 3,031+/- SQ FT, 130+/- CU YDS
NOTE: 86+/- SQ FT 79+/- CU YDS OF FILL FOR RAMP IS WATERWARD OF THE MHWL. ALL OTHER FILL IS
LOCATED IN UPLANDS & ABOVE THE MHWL
REPAIR/REPLACE AS NEEDED EXISTING MARGINAL WOOD DOCKS, 1,704+/- SQ FT

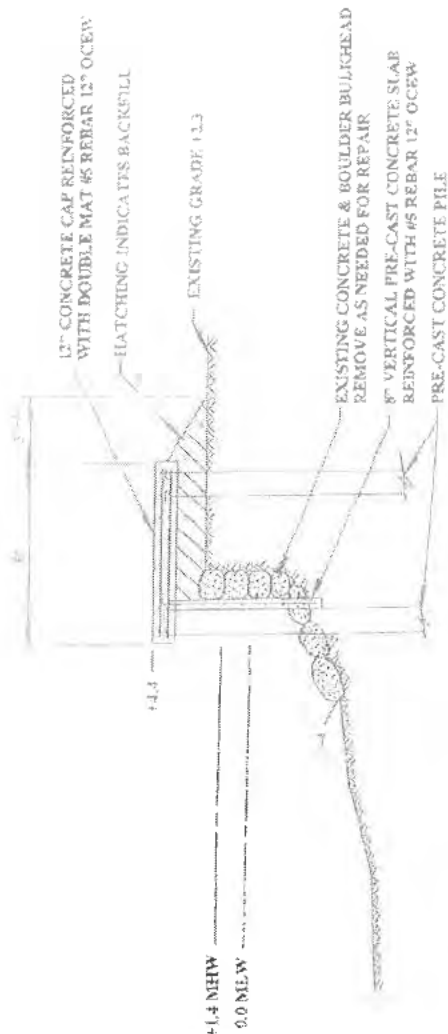
REPAIR/REPLACE & RELOCATE (6) EXISTING FINGER PIERS IN CANAL, 382+/- SQ FT
REMOVE (3) EXISTING MOORING PILES AND INSTALL (1) NEW MOORING PILES
REPAIR/REPLACE/EXPAND EXISTING & DAMAGED 'T' & 'L' DOCKS IN CANAL, 618+/- SQ FT
CONSTRUCT BOAT RAMP IN CANAL WITH (1) ACCESSORY PIER, 868+/- SQ FT, 71+/- CU YDS
MAINTENANCE DREDGE SILT AT MARGINAL DOCK IN CANAL DREDGING SHALL NOT
EXCEED -5MLW OR TO ROCK IF LESS THAN -5MLW, 3008+/- SQ FT, 56+/- CU YDS
REMOVE DOCK DEBRIS IN CANAL AS INDICATED 593+/- SQ FT, 32+/- CU YDS

NOTES:
SEE FOUNDATION PLAN FOR DIMENSIONS & CONSTRUCTION DETAILS.
NO INCREASE IN BOAT SLIPS ARE PROPOSED. EXISTING STATE BOAT LEASE INDICATES THIS FACILITY PROVIDES (20) BOAT SLIPS
DASHED LINES INDICATE FOOTPRINT OF EXISTING SHORELINE STRUCTURES TO BE REMOVED AS NEEDED FOR REPAIRS &
IMPROVEMENTS. BUILDING SHOWN SHALL BE REMOVED FOR SHORELINE REPAIRS.

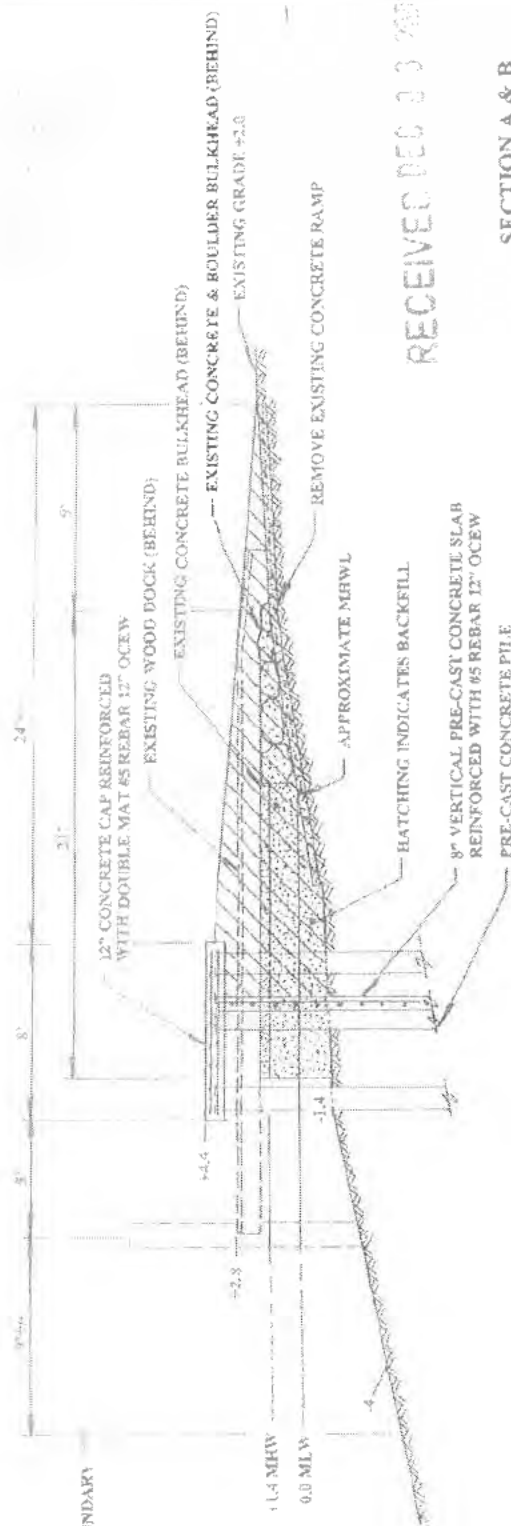
PROPOSED SITE PLAN
SCALE: 1" = 40'

GLEN BOE & ASSOCIATES, INC #4061 5800 OVERSEAS HIGHWAY, SUITE 4 MARATHON, FL 33050 TEL: (305) 743-9121 FAX: (305) 743-9197		SHORELINE REPAIR & IMPROVEMENTS FOR CAP'N WELLS L.L.P. UPPER MATECUMBE KEY, MONROE COUNTY, FL		12/14/09	
DATE 03/18/09				CERTIFIED BY: SEAN KIRWAN, PE #57506	
3				REVISIONS	
SUBJECT 3 OF 11		1		06/30/09	
		2		09/01/09	
		3		12/03/09	

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SECTION A-A



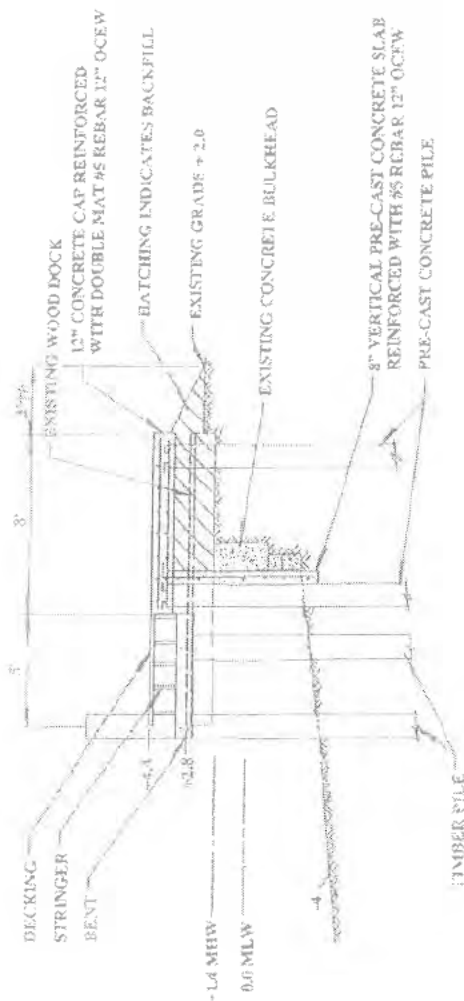
SECTION B-B

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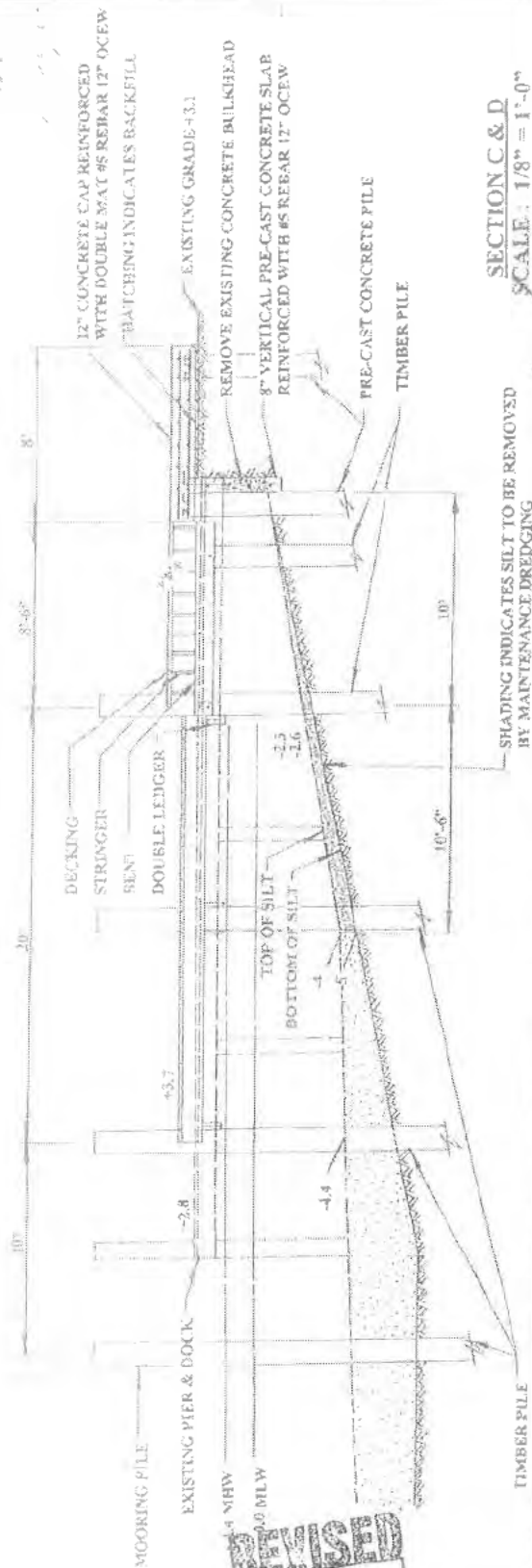
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SECTION A & B
SCALE: 1/8" = 1'-0"

SHEET 4 OF 11	DATE: 03/18/09 4	GLEN BOE & ASSOCIATES, INC #4061 5800 OVERSEAS HIGHWAY, SUITE 4 MARATHON, FL 33050 TEL: (305) 743-9121 FAX: (305) 743-9197	SHORELINE REPAIR & IMPROVEMENTS FOR CAP'N WELLS LLLP UPPER MATECUMBE KEY, MONROE COUNTY, FL CERTIFIED BY: SEAN KIRWAN, PE #57506	REVISIONS: 1 06/30/09 2 09/01/09 3 12/03/09
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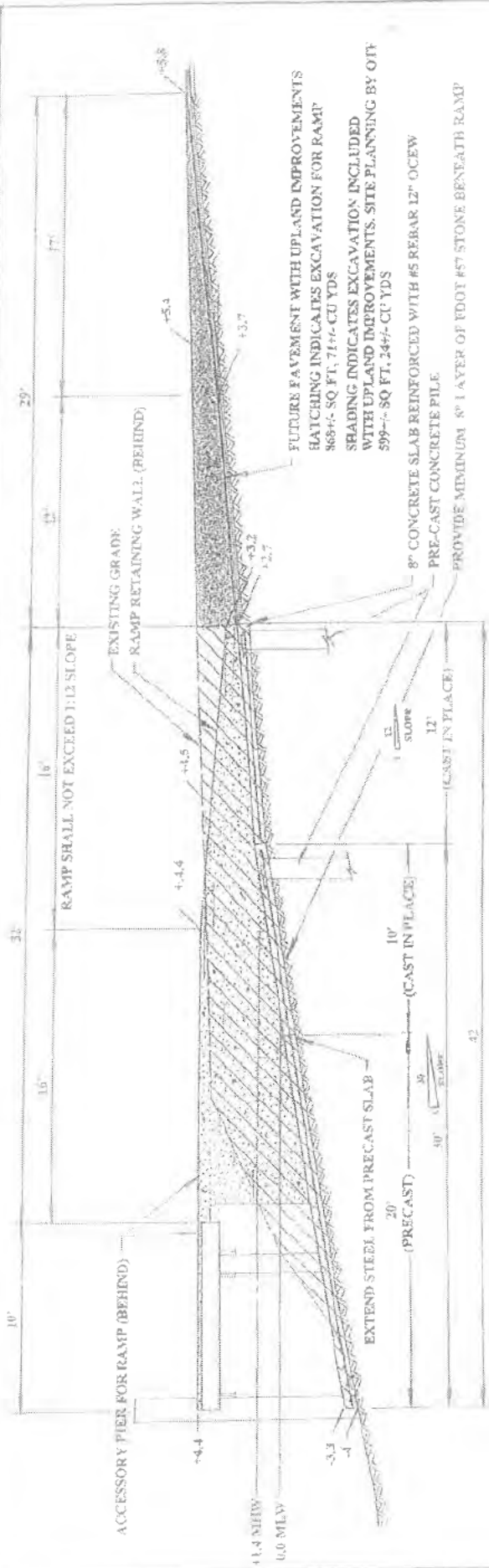
SECTION C-C



SECTION D-D

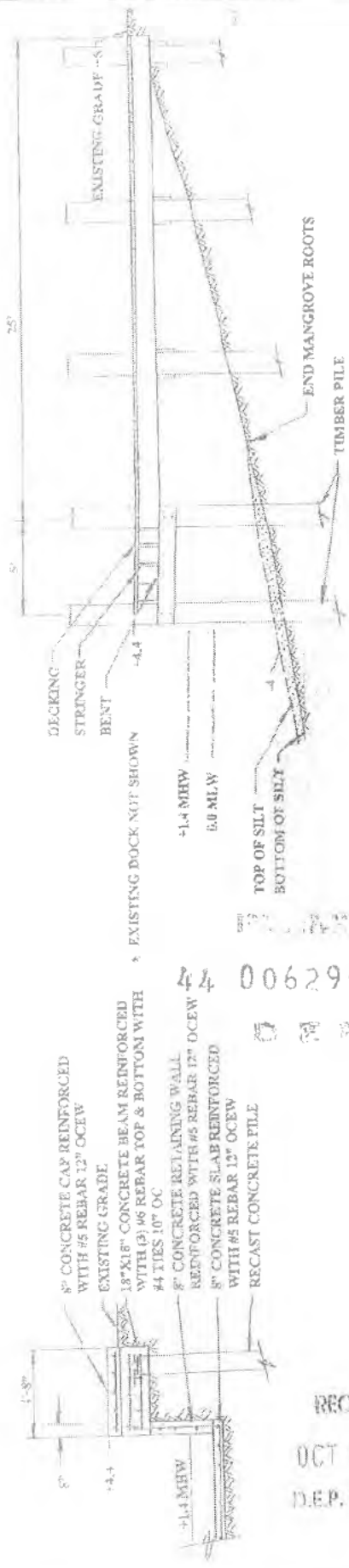
SECTION C & D
SCALE: 1/8" = 1'-0"

SHEET 5 OF 11	DATE: 03/18/09	GLEN BOE & ASSOCIATES, INC #4061 5800 OVERSEAS HIGHWAY, SUITE 4 MARATHON, FL 33050 TEL: (305) 743-9121 FAX: (305) 743-9197	SHORELINE REPAIR & IMPROVEMENTS FOR CAP'N WELLS LLLP UPPER MATTECUMBE KEY, MONROE COUNTY, FL	REVISIONS: 1 06/30/09 2 09/01/09 CERTIFIED BY: SEAN KIRWAN, PE #57506
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NOTE: EXCAVATION FOR RAMP WATERWARD OF MHW LINE, 164+/- SQ FT, 114+/- CU YDS

SECTION E-E



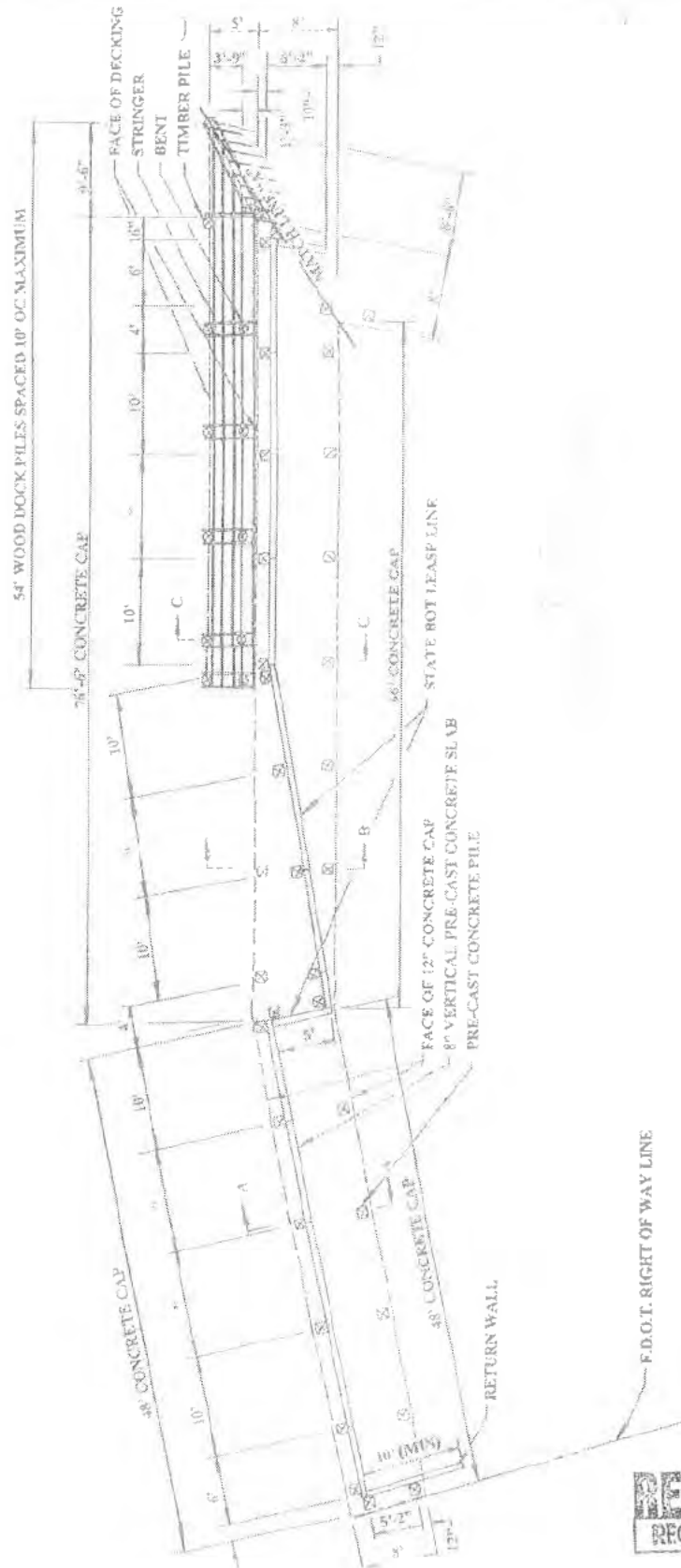
SECTION F-F

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SECTION G-G

SECTION E, F & G
SCALE: 1/8" = 1'-0"

SHEET 6 OF 11	DATE: 03/18/09 GLEN BOE & ASSOCIATES, INC #4061 5800 OVERSEAS HIGHWAY, SUITE 4 MARATHON, FL 33050 TEL: (305) 743-9121 FAX: (305) 743-9197	SHORELINE REPAIR & IMPROVEMENTS FOR CAP'N WELLS LILL UPPER MATECUMBE KEY, MONROE COUNTY, FL	REVISIONS: 1 06/30/09 CERTIFIED BY: SEAN KIRWAN, PE #57506
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FOUNDATION PLAN
SCALE: 1/16" = 1'-0"

NOTE: BUILDING SHALL NOT EXCEED STATE, BOT DEED LEASE LINE @ FORMER RAMP LOCATION

GLEN BOE & ASSOCIATES, INC #4061 5800 OVERSEAS HIGHWAY, SUITE 4 MARATHON, FL 33050 TEL: (305) 743-9121 FAX: (305) 743-9197		SHORELINE REPAIR & IMPROVEMENTS FOR CAPT WELLS LLLP UPPER MATECUMBE KEY, MONROE COUNTY, FL		 CERTIFIED BY SEAN KIRWAN, PE #57506		REVISIONS: 1 06/30/09 2 09/01/09
DATE: 03/18/09		7				
SHEET 7 OF 11						

GENERAL 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 100 PSI. 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 PILES:

PILES SHALL BE COMMERCIAL GRADE BY FLORIDA ROCK & SAND OR APPROVED EQUAL

CONCRETE PILES SHALL BE 12"x12" PRESTRESSED CONCRETE PILES W/ FOUR 0.5" DIAMETER 270 LOW-RELAXATION STRAND @ 28.9 KIPS W/ W3.4 WIRE SPIRAL TIES. MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE 6000 PSI. CONCRETE SHALL BE FOOT 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.

ALTERNATE STRAND PATTERNS:

EIGHT 7/16" DIAMETER 270 LOW RELAXATION STRAND @ 23.3 KIPS
EIGHT 1/2" DIAMETER 250 STRESS RELIEVED STRAND @ 24.1 KIPS
TWELVE 3/8" DIAMETER 270 LOW-RELAXATION STRAND @ 17.2 KIPS
TWELVE 3/8" DIAMETER 250 STRESS RELIEVED STRAND @ 15.6 KIPS

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 5" EMBEDMENT INTO CONCRETE CAP. 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, SLABS, BEAMS & RETAINING WALLS:

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 3" MINIMUM, SIDES 3" MINIMUM

CONSTRUCTION NOTES

REVISIONS:

CERTIFIED BY:
SEAN KIRWAN, PE #57506

SHORELINE REPAIR & IMPROVEMENTS
FOR CAP'N WELLS LLLP
UPPER MATECUMBE KEY, MONROE COUNTY, FL

GLEN BOE & ASSOCIATES, INC #4061
5800 OVERSEAS HIGHWAY, SUITE 4
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DATE: 03/18/09

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SHEET 10 OF 11

VERTICAL SLABS - PROVIDE 90% BEND WITH 36" MINIMUM SPLICE FOR ALL VERTICAL BARS ON TOP OF VERTICAL WALL PANELS TO BE INCORPORATED IN CONCRETE CAP. TOP HORIZONTAL BAR SHALL HAVE A MINIMUM OF 3" COVER; BOTTOM & SIDES SHALL HAVE A MINIMUM OF 3" COVER.
BEAMS & RETAINING WALLS: 3" MINIMUM ALL SIDES

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

TOP OF VERTICAL SLAB SHALL PENETRATE CONCRETE CAP 3" MINIMUM. BOTTOM OF VERTICAL SLAB SHALL BE PLACED ON FIRM ROCK OR PENETRATE CANAL BOTTOM 4" MINIMUM.

PROVIDE 1" EXPANSION JOINT @ 75' INTERVALS FOR CONCRETE CAP. THE FILLER SHOULD BE INSTALLED 1/2" BELOW THE CONCRETE SURFACE AND SEALED WITH A JOINT SEALING COMPOUND TO PROTECT FROM WATER INFILTRATION AND WEATHERING. A BACKER ROD OR BOND BREAKER TAPE SHOULD BE INSTALLED OVER THE JOINT FILLER TO PREVENT THE SEALANT FROM BONDING TO THE FILLER.

TIMBER PILES:

PILES SHALL BE ROUND SOUTHERN PINE OR DOUGLAS FIR AND SHALL CONFORM TO ASTM D 25, UNUSED, CLEAN, PEELED, UNIFORMLY TAPERED, ONE PIECE FROM BUTT TO TIP. PILES SHALL BE PRESSURE TREATED IN CONFORMANCE WITH AWPA C3 AND C14 FOR MARINE PILES. THE MINIMUM BUTT DIAMETER SHALL BE 12 INCHES, MEASURED AT A SECTION 3 FEET FROM THE END. FOR PILES UP TO 50 FEET IN LENGTH THE MINIMUM TIP DIAMETER SHALL BE 9 INCHES

A STRAIGHT LINE DRAWN FROM THE CENTER OF THE BUTT TO THE CENTER OF THE TIP SHALL NOT, AT ANY POINT, FALL FURTHER AWAY FROM THE CENTER OF THE PILE THAN A DISTANCE EQUAL TO 1% OF THE LENGTH OF THE PILE.

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.

CONTRACTOR SHALL INVESTIGATE ANY SUDDEN DECREASE IN DRIVING RESISTANCE FOR POSSIBLE BREAKAGE OF THE PILE. IF SUDDEN DECREASE IN DRIVING RESISTANCE CANNOT BE CORRELATED TO BORING DATA OR SOME INCIDENT IN THE DRIVING, AND IF THE PILE CANNOT BE INSPECTED, SUCH DECREASE IN DRIVING RESISTANCE MAY BE CAUSE FOR REJECTION OF THE PILE.

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

HEIGHT OF PILES SHALL BE FIELD DETERMINED BY OWNER. CUT OFF PILES AT TOP ELEVATION DIRECTED BY THE OWNER. REPLACE OR REPAIR PILES WHICH ARE DAMAGED WHEN CUT OFF.

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.

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 CUT OFF SECTIONS OF PILES FROM THE SITE AND LEGALLY DISPOSE.

LUMBER, DECKING, & FASTENERS:

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

STRINGERS: 2x10

BENTS: 3x10

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 BOLT, WASHERS, AND NUT 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.

REVISIONS:

CERTIFIED BY:
SEAN KIRWAN, PE#57506

SHORELINE REPAIR & IMPROVEMENTS
FOR CAP'N WELLS LLP
UPPER MATECUMBE KEY, MONROE COUNTY, FL

GLEN BOE & ASSOCIATES, INC #4061
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TEL: (305) 743-9121 FAX: (305) 743-9197

DATE: 03/18/09

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SHEET 11 OF 11

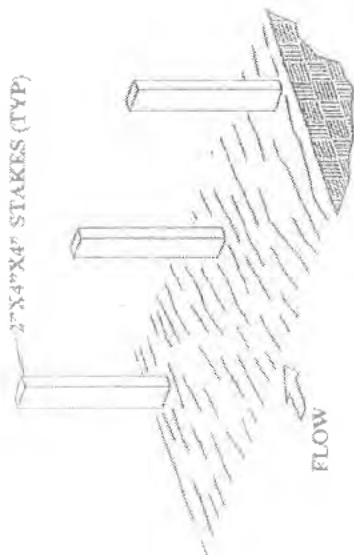
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D.E.P. Marathon

CONSTRUCTION NOTES

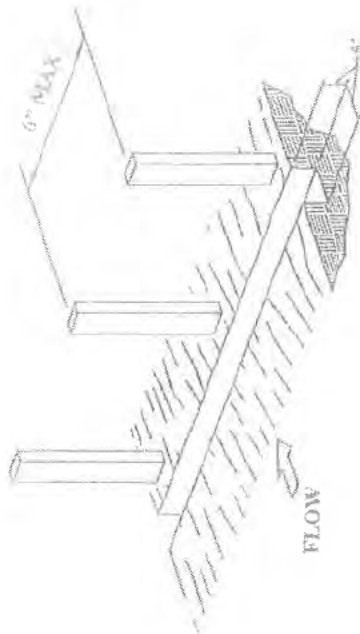
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2" X 4" X 4" STAKES (TYP)



1. SET THE STAKES

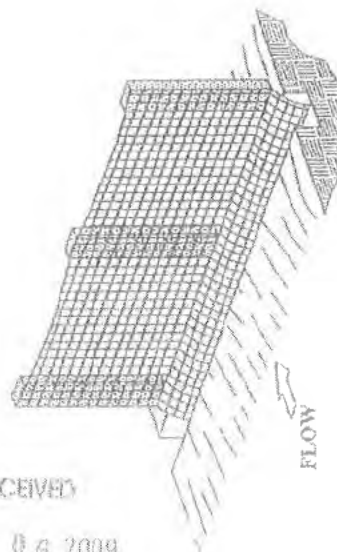
2. EXCAVATE A 4" X 4" TRENCH UPSLOPE ALONG THE LINE OF STAKES



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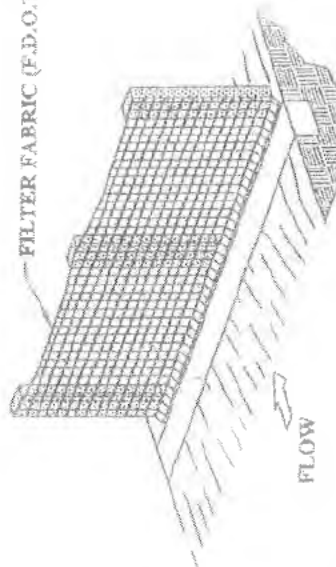
OCT 06 2009

DEP. Marathon



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

FILTER FABRIC (F.D.O.T. SEC. 925)



4. BACKFILL AND COMPACT THE EXCAVATED SOIL

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

GLEN BOE & ASSOCIATES, INC #4061
5800 OVERSEAS HIGHWAY, SUITE 4
MARATHON, FL 33050
TEL: (305) 743-9121 FAX: (305) 743-9197

DATE: 06/30/09

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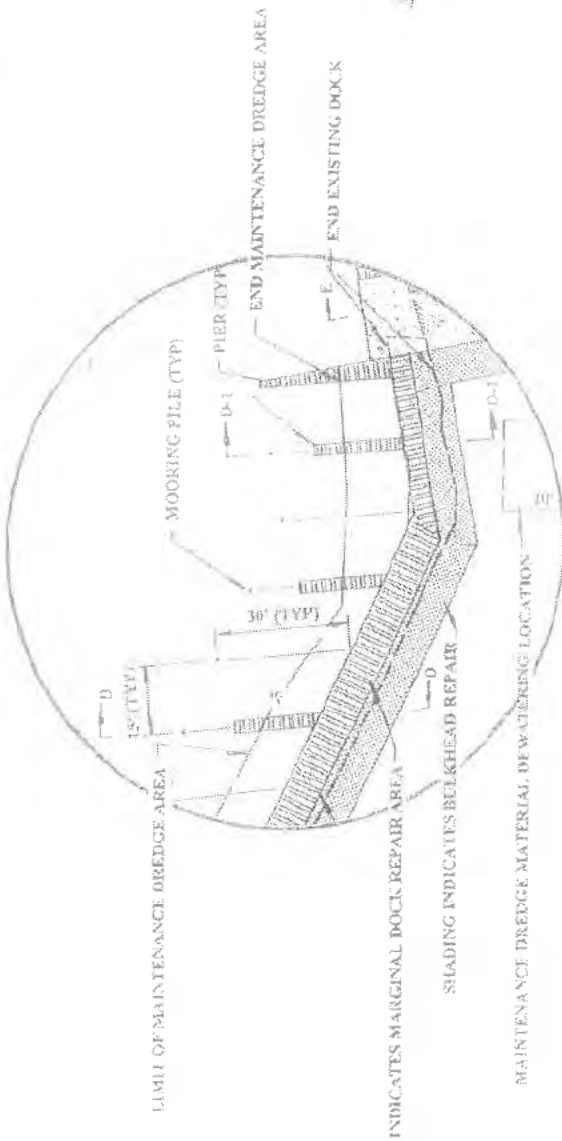
ADDENDUM A

SHORELINE REPAIR & IMPROVEMENTS
FOR CAP'N WELLS LLLP
UPPER MATECUMBE KEY, MONROE COUNTY, FL

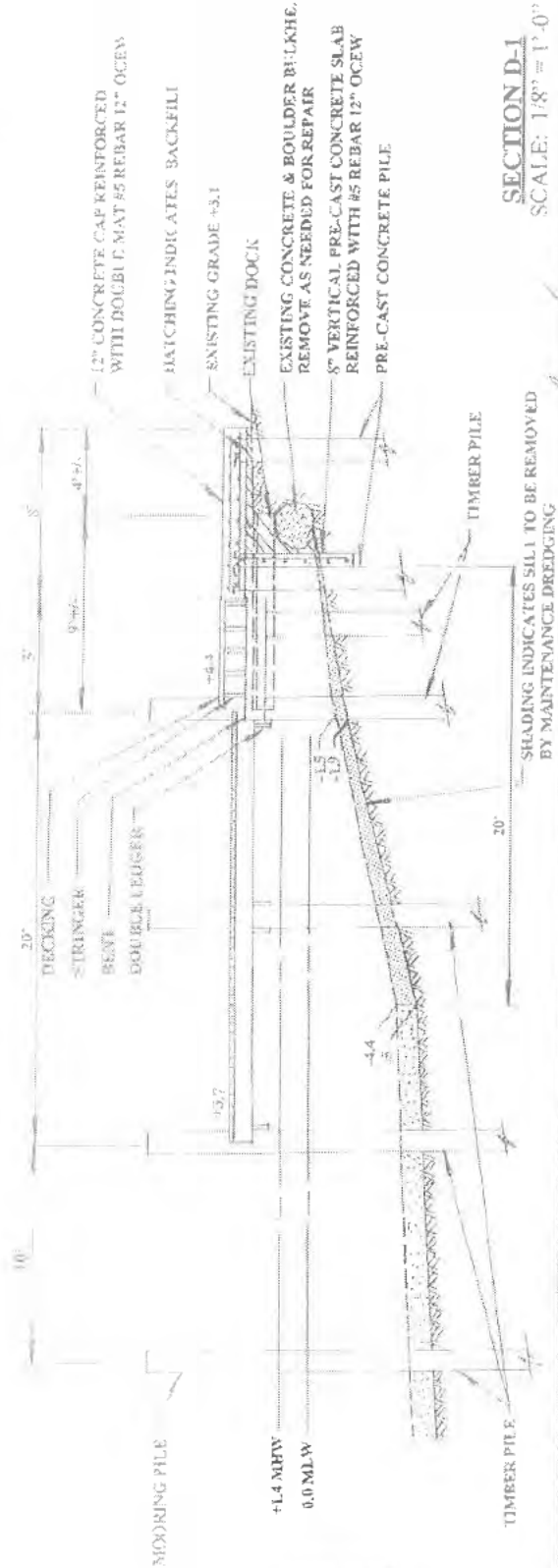
CERTIFIED BY:
SEAN KIRWAN, PE #57506

REVISIONS:

44 0062952 006



**SITE PLAN DETAIL
BETWEEN SECTIONS D & E**
SCALE: 1" = 40'



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

REVISIONS			
EXHIBIT I	DATE 06/30/09	GLEN BOE & ASSOCIATES, INC #4961 5800 OVERSEAS HIGHWAY, SUITE 4 MARATHON, FL 33050 TEL: (305) 743-9121 FAX: (305) 743-9197	SHORELINE REPAIR & IMPROVEMENTS FOR CAP'N WELLS LLLP UPPER MATECUMBE KEY, MONROE COUNTY, FL

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