

**PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS**

AGENDA ITEM SUMMARY

Meeting Date: February 1, 2011	<input checked="" type="checkbox"/> Consent	<input type="checkbox"/> Regular
	<input type="checkbox"/> Workshop	<input type="checkbox"/> Public Hearing

Department:
Submitted By: Engineering and Public Works
Submitted For: Right-of-Way Acquisition Section

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve: a Department of the Army Consent to Easement Agreement (Agreement) to use Corps of Engineers Right-of-Way to remove and reconstruct the Ocean Avenue Bridge over the Intracoastal Waterway in Lantana.

SUMMARY: Approval of this Agreement will allow Palm Beach County to remove and reconstruct the Ocean Avenue Bridge within the Federal right-of-way of the Intracoastal Waterway.

District 4 (PK)

Background and Justification: Palm Beach County (County) is preparing to remove and reconstruct the Ocean Avenue Bridge and its approaches within the Federal right-of-way of the Intracoastal Waterway in Lantana. The Department of the Army has assigned number SAJ-2009-04014 to the County's permit application for the construction of those improvements which includes the removal of the existing bridge and construction of a new bridge. A part of the permit application fee requires payment of a non-refundable administrative fee in the amount of \$300 to accompany this Agreement. This construction necessitates the Board of County Commissioners (BCC) executing this Agreement. This Agreement grants the County permission to enter the Federal right-of-way of the Intracoastal Waterway to construct the required improvements. This Agreement is only in effect until said improvements have been completed and accepted by the BCC. The approval of this action is in the best interest of the County and its citizens.

Attachments:

1. Location Map
2. Department of the Army Consent to Easement Agreement to use Corps of Engineers Right-of-Way (4 originals)

Recommended by: <i>ADL</i> <i>145</i>	<i>Ornelo A. Fernandez</i> Division Director	<i>12/14/10</i> Date
Approved by:	<i>Ay T. White</i> County Engineer	<i>12/28/10</i> Date

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2011	2012	2013	2014	2015
Capital Expenditures	<u>\$300</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
Operating Costs	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
External Revenues	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
Program Income (County)	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
In-Kind Match (County)	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
NET FISCAL IMPACT	<u>\$300</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>

ADDITIONAL FTE

POSITIONS (Cumulative) _____

Is Item Included in Current Budget? Yes No

Budget Acct No.: Fund 3500 Dept. 361 Unit 1001-01 Object 6505
Program

B. Recommended Sources of Funds/Summary of Fiscal Impact:

Transportation Improvement Fund
Intracoastal Waterways
Ocean Ave (Lantana) Bridge Over Intracoastal Waterway

C. Departmental Fiscal Review:

Phillips

III. REVIEW COMMENTS

A. OFMB Fiscal and/or Contract Dev. and Control Comments:

[Signature] 1/17/2011
OFMB
su 01/15/11 1/15/11
[Signature]

[Signature] 1/17/11
Contract Dev. and Control

B. Approved as to Form and Legal Sufficiency:

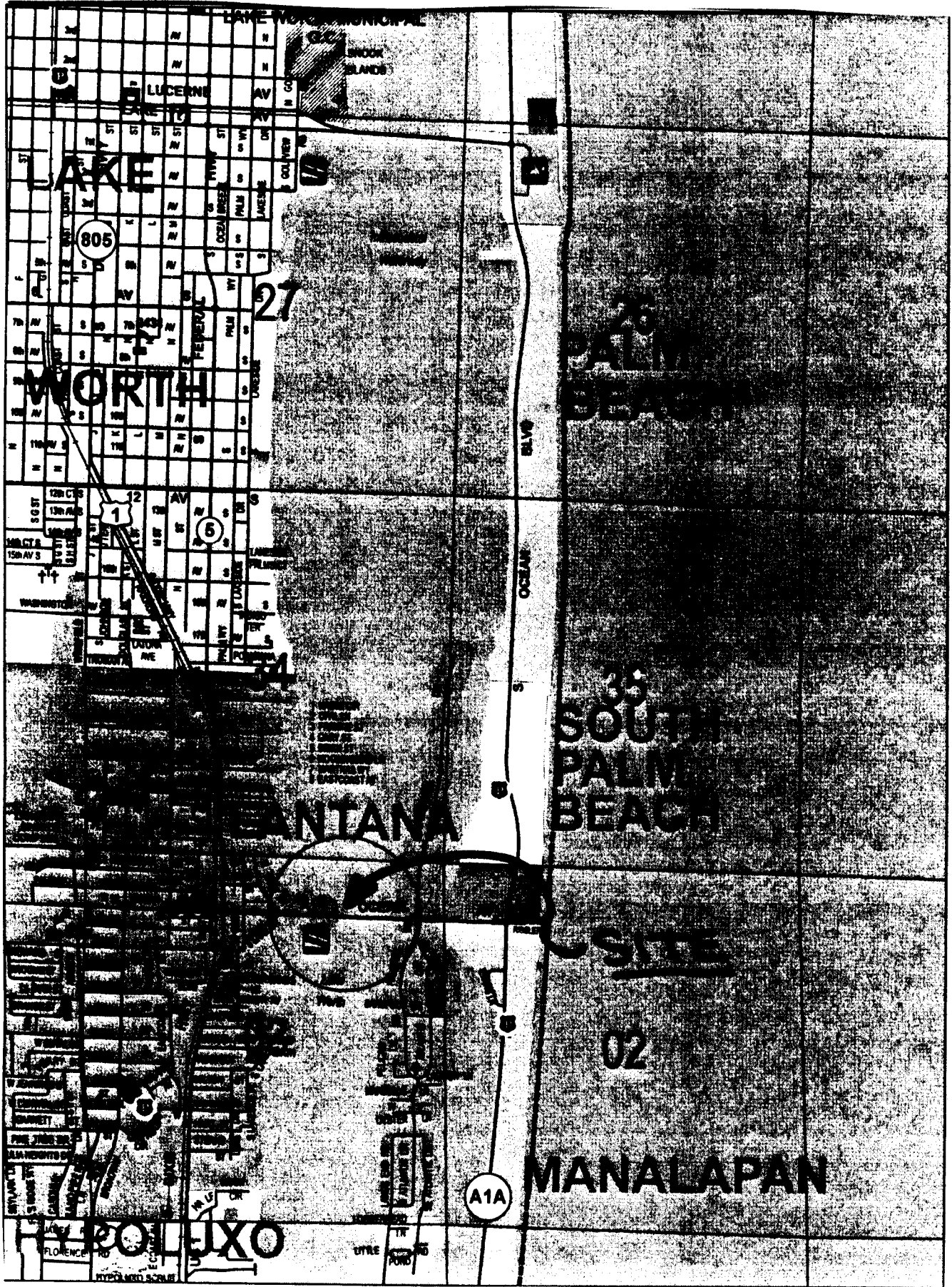
[Signature] 1/14/11
Assistant County Attorney

C. Other Department Review:

Department Director

This summary is not to be used as a basis for payment.

ATTACHMENT 1
LOCATION MAP



**DEPARTMENT OF THE ARMY
CONSENT TO EASEMENT
TO USE CORPS OF ENGINEERS RIGHT-OF-WAY**

Consent No. DACW17-9-11-0004
Project: Intracoastal Waterway,
Jacksonville to Miami, Palm Beach
County, Florida
Tract No. 629

THIS CONSENT TO EASEMENT AGREEMENT, made by and between the **UNITED STATES OF AMERICA, DEPARTMENT OF THE ARMY**, hereinafter referred to as the "Government", acting by and through the Chief, Real Estate Division, U.S. Army Corps of Engineers, Jacksonville District, hereinafter referred to as "said officer," and **PALM BEACH COUNTY, FLORIDA**, hereinafter referred to as the "Grantee":

WHEREAS, the Government has acquired a right-of-way easement over the above-numbered tracts of land, which easement, by its terms, reserves to the Government, in perpetuity, the right to use said easement for the construction, improvement, and maintenance of the Intracoastal Waterway, Jacksonville to Miami, Palm Beach County, Florida; and

WHEREAS, the Grantee has requested permission to construct, use, maintain, and remove a bascule bridge in, on, across, over, and under a portion of the lands identified as Tract No. 629, Sections 2 and 3, Township 45 South, Range 43 East, Palm Beach County, Florida. The area comprising 1.15 acres, more or less, is shown in red on Exhibit "A" attached hereto and made a part hereof.

NOW THEREFORE, this consent is granted and accepted under the following conditions:

1. That it is understood that this consent is effective only insofar as the property rights of the Government in the land to be occupied are concerned, and that it does not relieve the Grantee from the necessity of obtaining grants from the owners of the fee and/or other interests, therein, nor does it obviate the requirement that the Grantee obtain State or local assent required by law for the activity authorized herein.
2. That any proposed improvements or use authorized herein shall not be commenced until appropriate rights shall have been

obtained by the Grantee from the record owners and encumbrancers of the fee title to the lands involved, or until the Grantee has obtained all Federal, State, or local permits required by law.

3. That the proposed improvements or use authorized herein shall be consistent with the terms and conditions of this consent; and that any improvements or use not specifically identified and authorized shall constitute a violation of the terms and conditions of this consent which may result in a revocation of this consent and in the institution of such legal proceedings as the Government may consider appropriate, whether or not this consent has been revoked or modified.

4. That the exercise of the privileges hereby consented to shall be without cost or expense to the Government and under the supervision of and subject to the approval of the said officer having immediate jurisdiction over the property and subject to such regulations as he may from time to time prescribe, including, but not limited to, the specific conditions, requirements, and specifications set forth in paragraph 14 below.

5. That the Grantee shall supervise and maintain the said improvements and cause it to be inspected at reasonable intervals, and shall immediately repair any damage found therein as a result of such inspection, or when requested by said officer to repair any defects. Upon completion of the installation of said improvements or the making of any repairs thereto, the premises shall be restored immediately by the Grantee, at the Grantee's own expense, to the same condition as that in which they existed prior to the commencement of such work, to the satisfaction of said officer.

6. That any property of the Government damaged or destroyed by the Grantee incident to the exercise of the privileges herein granted shall be promptly repaired or replaced by the Grantee to the satisfaction of the said officer, or in lieu of such repair or replacement, the Grantee shall, if so required by said officer and at his option, pay to the Government an amount sufficient to compensate for the loss sustained by the Government by reason of damage to or destruction of Government property.

7. That the Government shall not be responsible for damages to the property or injuries to persons which may arise from or be incident to the exercise of the privileges herein granted, or for damages to the property of the Grantee, or for damages to the property or injuries to the person of the Grantee, or the persons of Grantee's officers, agents, servants, or employees, or others

who may be on said premises at the invitation of the Grantee or the invitation of one of them, arising from Governmental activities on or in the vicinity of the said premises, and the Grantee shall hold the Government harmless from any and all claims to the extent allowed by law.

8. That the Government shall in no case be liable for any damage, either hidden or known, to any improvements herein authorized which may be caused by any action of the Government, under the rights obtained in its easements, or that may result from the future operations undertaken by the Government, and no claim or right to compensation shall accrue from such damage, and if further operations of the Government require the alteration or removal of any improvements herein authorized, the Grantee shall, upon due notice, from said officer, alter or remove said improvements without expense to the Government and subject to the supervision and approval of the said officer and no claim for damages shall be made against the Government on account of such alterations or removal.

9. That construction and/or operation, maintenance, and use of any improvements incident to the exercise of the privileges herein granted shall be in such a manner as not to conflict with the rights of the Government, nor to interfere with the operations by the Government under such rights nor to endanger lives and safety of the public.

10. That this consent may be terminated by the Government or said officer upon reasonable notice to the Grantee if the Government or said officer shall determine that any improvements or use to which consent is herein granted interferes with the use of said land or any part thereof by the Government, and this consent may be annulled and forfeited by the declaration of the Government or said officer for failure to comply with any or all of the provisions and conditions of this consent, or for nonuse for a period of two (2) years, or for abandonment.

11. That upon relinquishment, termination, revocation, forfeiture, or annulment of this consent, the Grantee shall vacate the premises, remove all property of the Grantee therefrom, and restore the premises to a condition satisfactory to the said officer. If the Grantee shall fail or neglect to remove the said property and so restore the premises, then at the option of the Government or said officer, the said property shall either become the property of the Government without compensation therefor, or the Government or said officer, may cause it to be

removed, and the premises to be so restored at the expense of the Grantee, and no claim for damages against the Government, or its officer or agents, shall be created by or made on account of such removal and restoration.

12. That the Grantee within the limits of its respective legal powers shall comply with all Federal, interstate, State, and/or local governmental regulations, conditions, or instructions for the protection of the environment and all other matters as they relate to real property interests granted herein.

13. That the Grantee shall not remove or disturb, or cause or permit to be removed or disturbed, any historical, archeological, architectural, or other cultural artifacts, relics, vestiges, remains, or objects of antiquity. In the event such items are discovered on the premises, the Grantee shall immediately notify the District Engineer, Jacksonville District, Post Office Box 4970, Jacksonville, Florida 32232-0019, and the site and the material shall be protected by the Grantee from further disturbance until a professional examination of them can be made or until a clearance to proceed is authorized by the District Engineer.

14. That construction shall be in accordance with the drawings attached hereto and made a part hereof as Exhibit "B" and with Department of the Army Permit No. 2009-04014 (NW-EGR), incorporated herein by reference. That no additional structures shall be constructed waterward of the Government's right-of-way line and that any structures currently within the right-of-way must be removed by the Grantee, at Grantee's expense, if future needs of the Government so require.

15. That this consent may not be transferred to a third party without the prior written notice to the Chief, Real Estate Division, U.S. Army Corps of Engineers, Jacksonville District, Post Office Box 4970, Jacksonville, Florida 32232-0019, and by the transferee's written agreement to comply with and be bound by all the terms and conditions of this consent. In addition, if the Grantee transfers the improvements authorized herein by conveyance of realty, the deed shall reference this consent and the terms and conditions herein and the consent shall be recorded along with the deed in the Registrar of Deeds or with other appropriate official.

This consent is not subject to Title 10, United States Code, Section 2662.

IN WITNESS WHEREOF, I have hereunto set my hand, by authority of the Secretary of the Army, this _____ day of _____ 2011 .

UNITED STATES OF AMERICA

BY: _____
JOHN M. BAKER
Chief, Real Estate Division
U.S. Army Engineer District
Jacksonville, Florida

PALM BEACH COUNTY, FLORIDA, BY ITS
BOARD OF COUNTY COMMISSIONERS

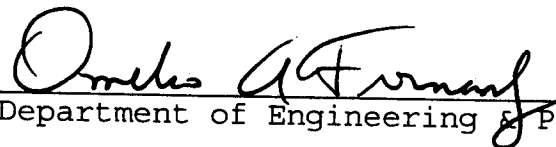
BY: _____
Commissioner Karen T. Marcus, Chair
Board of County Commissioners

ATTEST:

Sharon R. Bock, Clerk & Comptroller

By: _____
Deputy Clerk

APPROVED AS TO TERMS AND CONDITIONS:

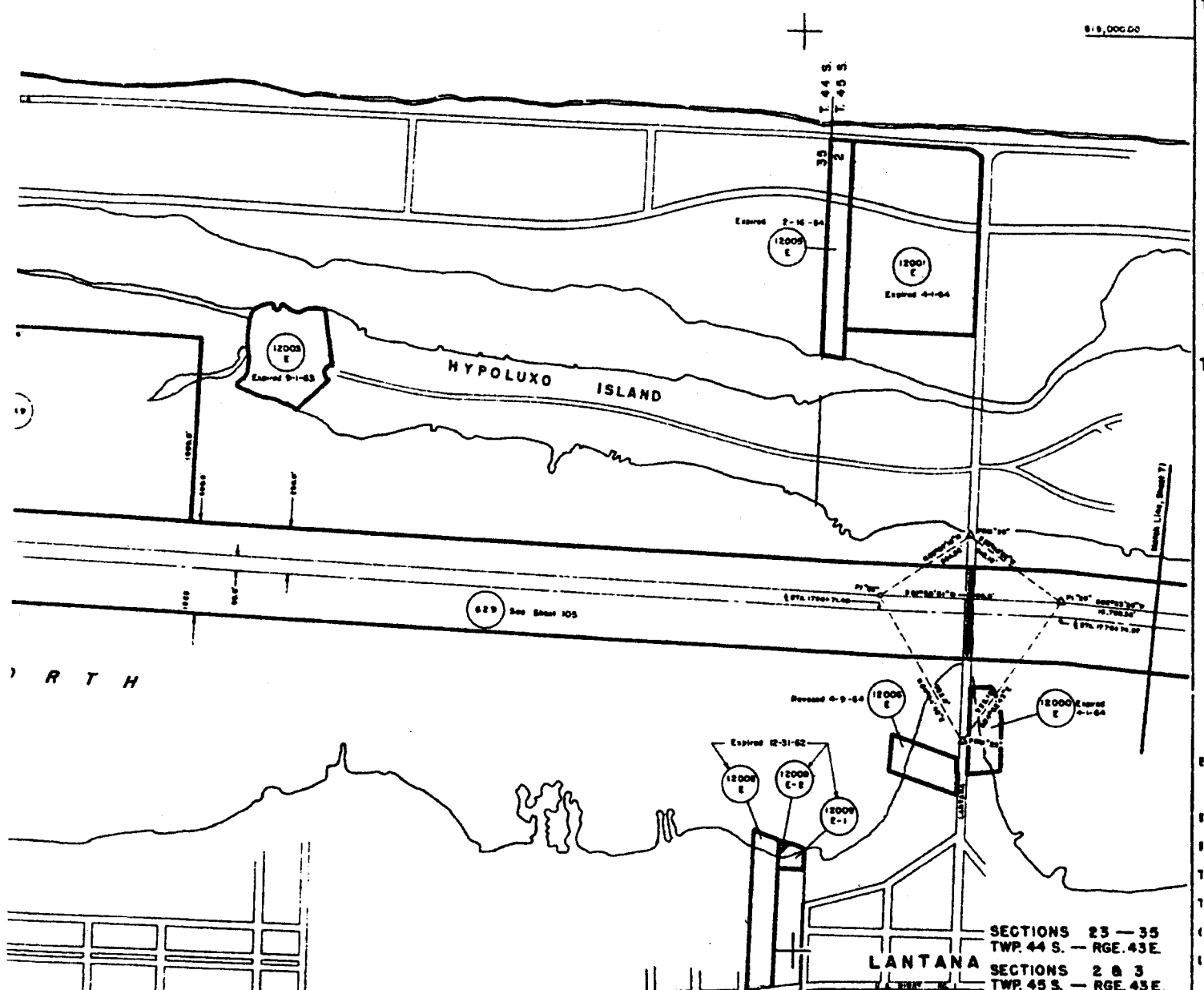
By: 
Department of Engineering & Public Works
AKS

APPROVED AS TO FORM AND LEGAL SUFFICIENCY:

By: _____
Assistant County Attorney

TIG OCEAN

818,000.00



NORTH

SECTION 23-35
TWP. 44 S. - RGE. 43E
SECTION 2 & 3
TWP. 45 S. - RGE. 43E.

PALM BEACH

DEPARTMENT
OFFICE OF THE JAC
SOUTH AT

DESIGN BY
TRACED BY E.M.H.
CHECKED BY S.B.C.

APPROVED BY
[Signature]
CHIEF CARTOGRAPHIC BRANCH

RECOMMENDED BY
[Signature]
CHIEF OF ENGINEERS, WASHINGTON

INTRAC JACKS

AUDITED

DATE	REVISIONS	BY
3-31-63	Tl. 12007E Expired	E.M.H.
6-6-64	Tl. 11900E Expired	E.M.H.
4-9-64	Tr. 12008E Revised	E.M.H.
4-1-64	Trs. 12008E & 12009E Expired	E.M.H.
2-16-64	Tr. 12006E Expired	E.C.P.
9-1-63	Tr. 12005E Expired	E.M.H.
7-18-63	Map redrawn - Replaces portions of Sheets 118 & 120	E.M.H.
1-23-63	Tracts 12008E, 12009E-1 & 12009E-2 added	E.M.H.
9-12-62	Tract 12008E-2 added	E.C.P.
6-6-62	Tract 11800E added	E.C.P.
6-9-62	Tracts 12000E thru 12003E & 12005E thru 12009E-1 added	E.M.H.

EXHIBIT A

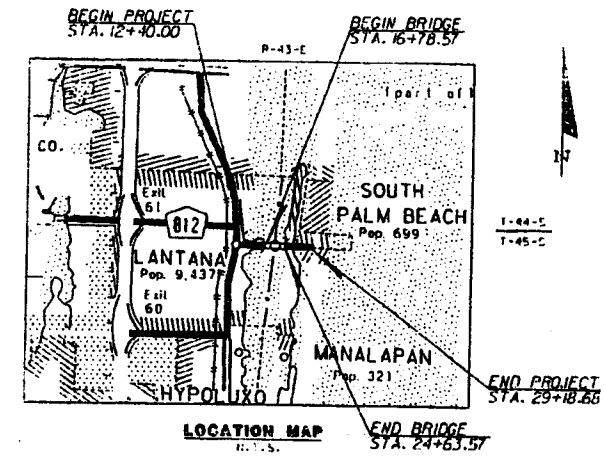
EXHIBIT

COUNTY OF PALM BEACH STATE OF FLORIDA

BOARD OF COUNTY COMMISSIONERS

PROJECT NO. 2003502

OCEAN AVENUE BRIDGE IN LANTANA OVER INTRACOASTAL WATERWAY

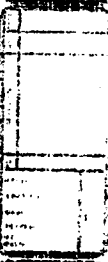


US ARMY
CORPS OF ENGINEERS
OCT 06 2010

PALMBCH GRDNS. OFFICE
JOB # SA3-2009-4014
PROJECT MANAGER: _____
PAGE 1 OF 18

OCEAN AVE FILL IMPACTS

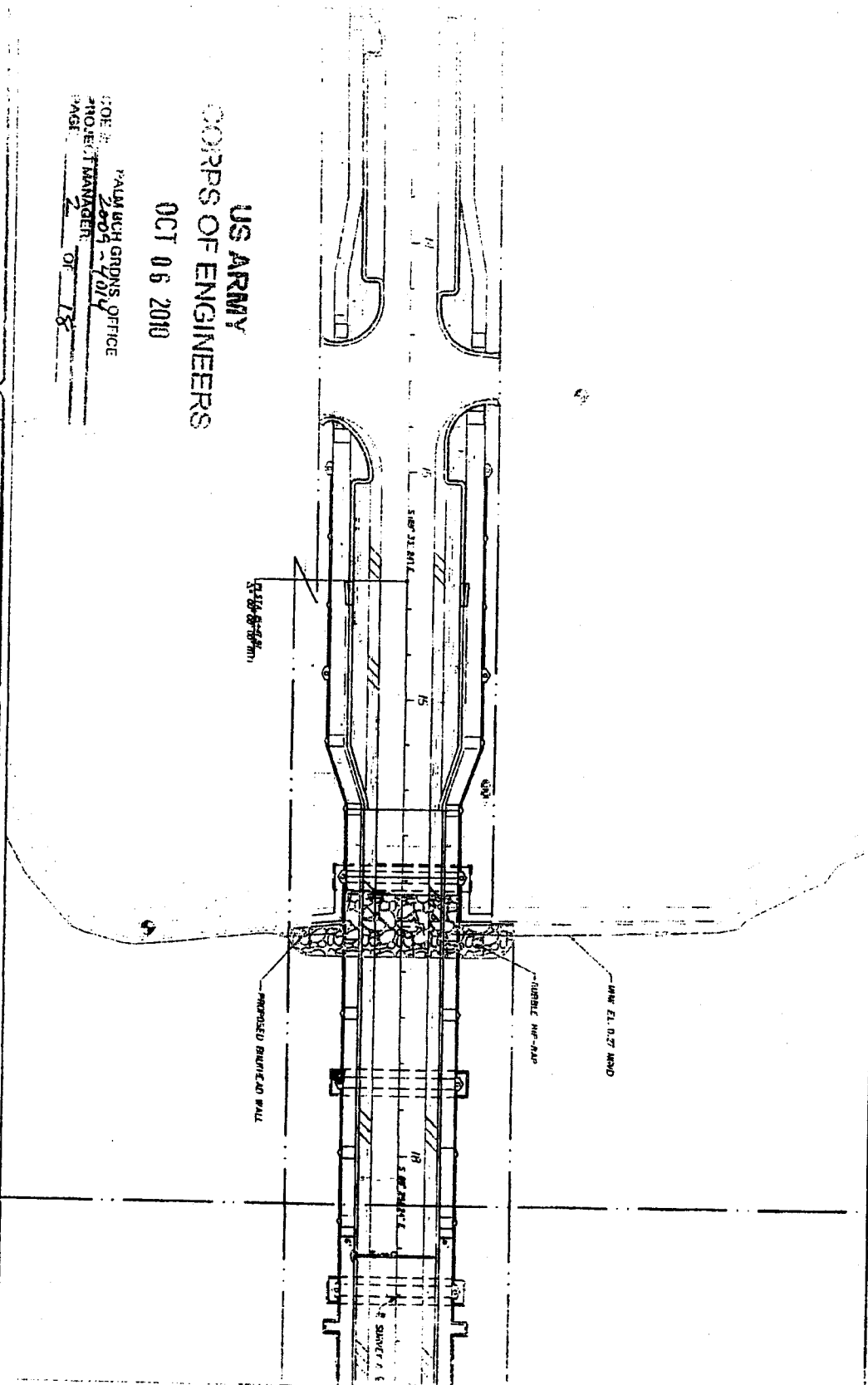
PALM BEACH COUNTY
ENGINEERING SERVICES



OCEAN AVENUE
BRIDGE

US ARMY
 CORPS OF ENGINEERS
 OCT 06 2010

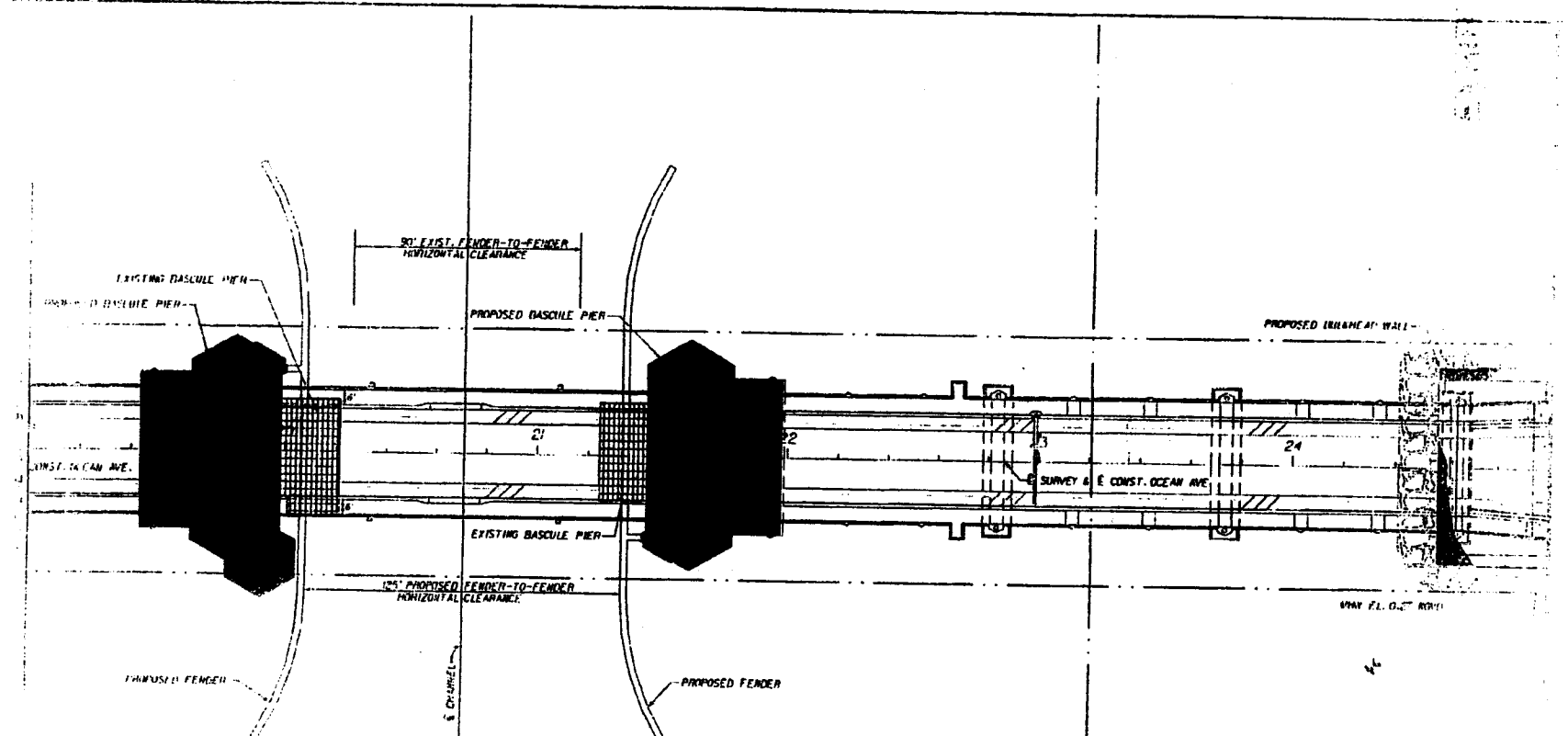
ENGINEER: PALM BEACH COUNTY
 PROJECT MANAGER: 2004-2010
 PAGE: 2 OF 78



PALM BEACH COUNTY
 ENGINEERING AND PUBLIC WORKS
 ROADWAY PRODUCTION
 1000 W. FEDERAL AVENUE
 WEST PALM BEACH, FL 33411

FILL IMPACTS
 OCEAN AVENUE BRIDGE REPAIR/REINFORCEMENT


EXHIBIT C

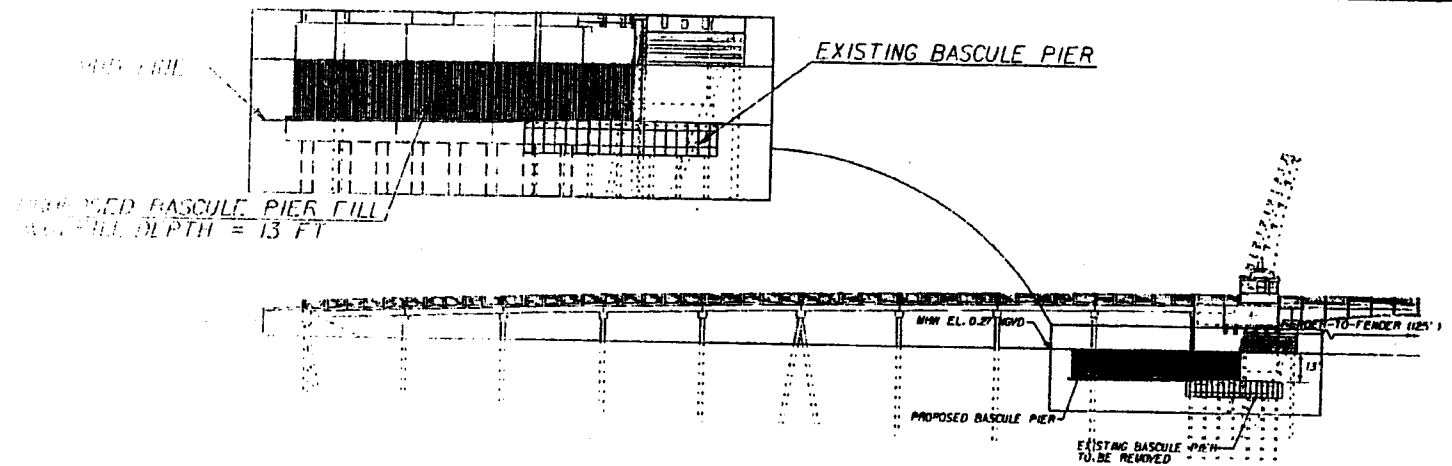


US ARMY
CORPS OF ENGINEERS
OCT 06 2010

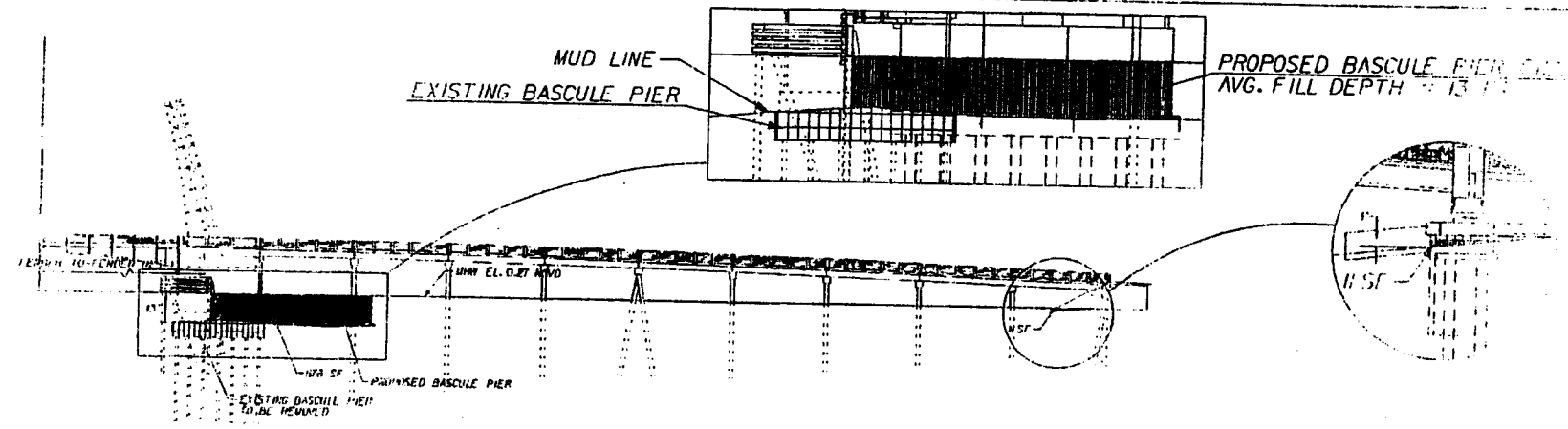
PALM BCH GRDNS. OFFICE
OOE# 2209-4014
PROJECT MANAGER
PAGE 3 OF 12

TOTAL FILL QUANTITY = 4263 C
AREA OF EXISTING BRIDGE OVER WATER = 20,432 SQ FT
AREA OF PROPOSED BRIDGE OVER WATER = 45,520 SQ FT
TOTAL FILL SURFACE AREA = 1,140 SQ FT

	 <p>PALM BEACH COUNTY ENGINEERING AND PUBLIC WORKS ROADWAY PRODUCTION 88 AUSTRALIAN AVENUE WEST PALM BEACH, FL 33411</p>	<p>DATE: 10/06/10 DRAWN: [blank] CHECKED: [blank] SCALE: [blank]</p>	<p>FILL IMPACTS OCEAN AVENUE BRIDGE REPLACEMENT</p>
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OCEAN AVE BRIDGE - WEST APPROACH



OCEAN AVE BRIDGE - EAST APPROACH

US ARMY
CORPS OF ENGINEERS

OCT 06 2010

PALM BCH GRDN. OFFICE
PROJECT MANAGER
2009-4014
OF 18

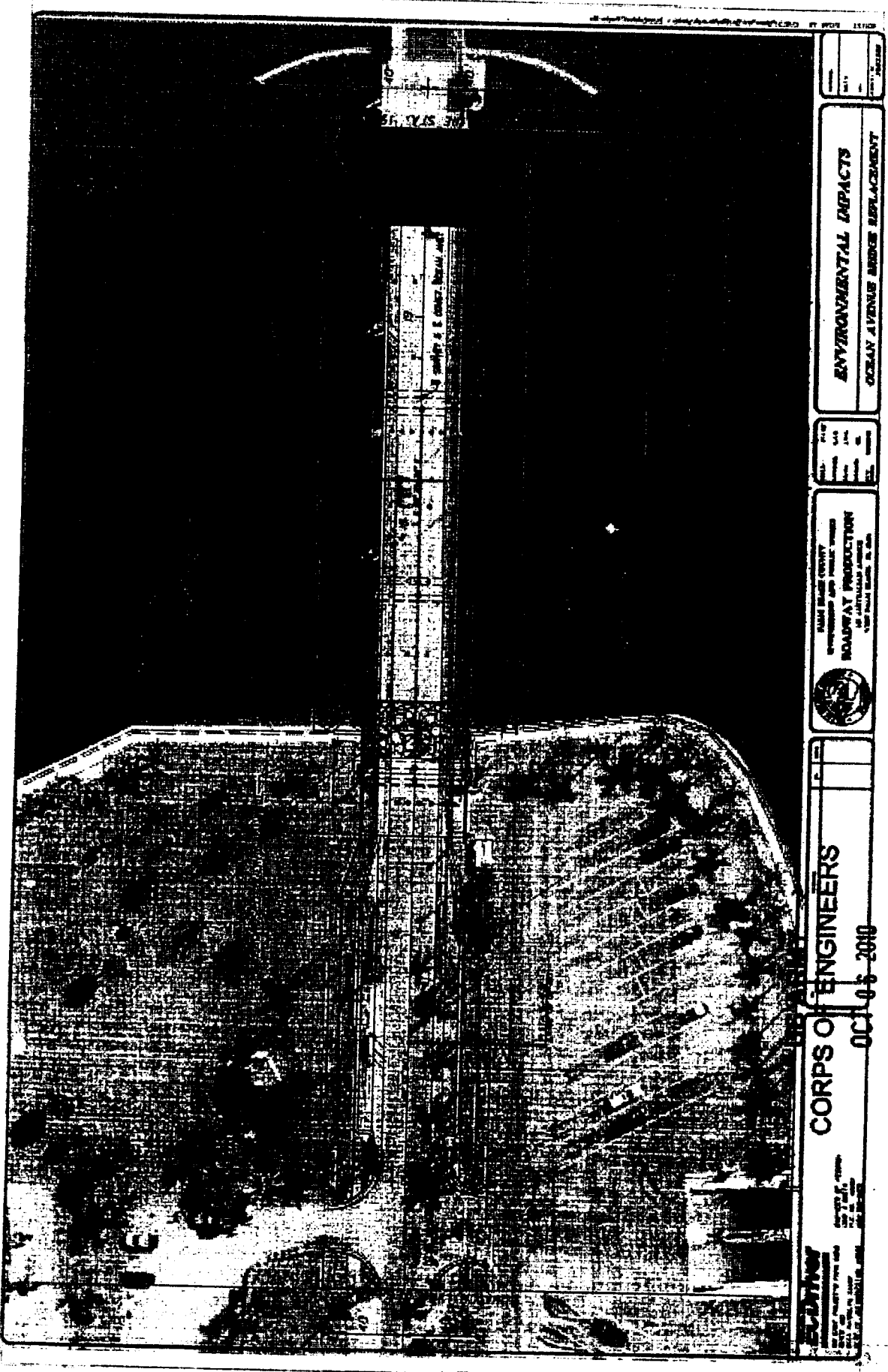
NO.	DATE	BY	APP.


 PALM BEACH COUNTY
 ENGINEERING AND PUBLIC WORKS
 ROADWAY PRODUCTION
 80 AUSTRALIAN AVENUE
 WEST PALM BEACH, FL 33411

DATE	BY

FILL IMPACTS
 OCEAN AVENUE BRIDGE REPLACEMENT

NO.	DATE

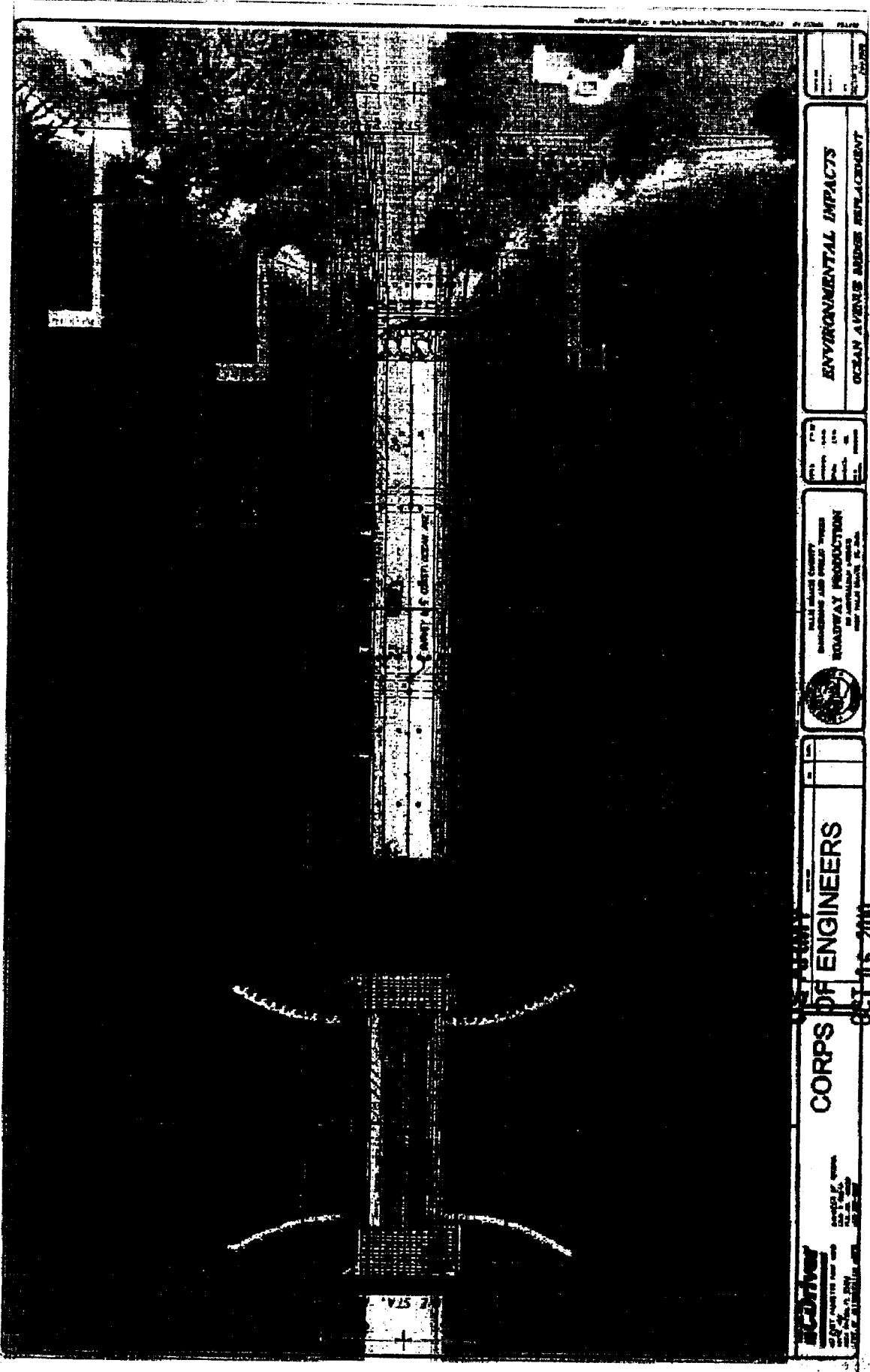


ENVIRONMENTAL IMPACTS
 OCEAN AVENUE BRIDGE REPLACEMENT

PALM BEACH COUNTY
 PLANNING AND PUBLIC WORKS
 ROADWAY PROJECTS
 400 EAST PALM BLVD.
 WEST PALM BEACH, FL 33411

CORPUS OF ENGINEERS
 OCT 05 2010

PALM BCH GRDN. OFFICE
 COE #: 2007-4014
 PROJECT MANAGER: OF 78
 PAGE 2



DATE: 10/06/2010
TIME: 10:00 AM
PROJECT: ENVIRONMENTAL IMPACTS
SHEET: 6 OF 18

ENVIRONMENTAL IMPACTS
OCEAN AVENUE BRIDGE REPLACEMENT

SCALE: 1" = 100'
DATE: 10/06/2010
PROJECT: ENVIRONMENTAL IMPACTS
SHEET: 6 OF 18

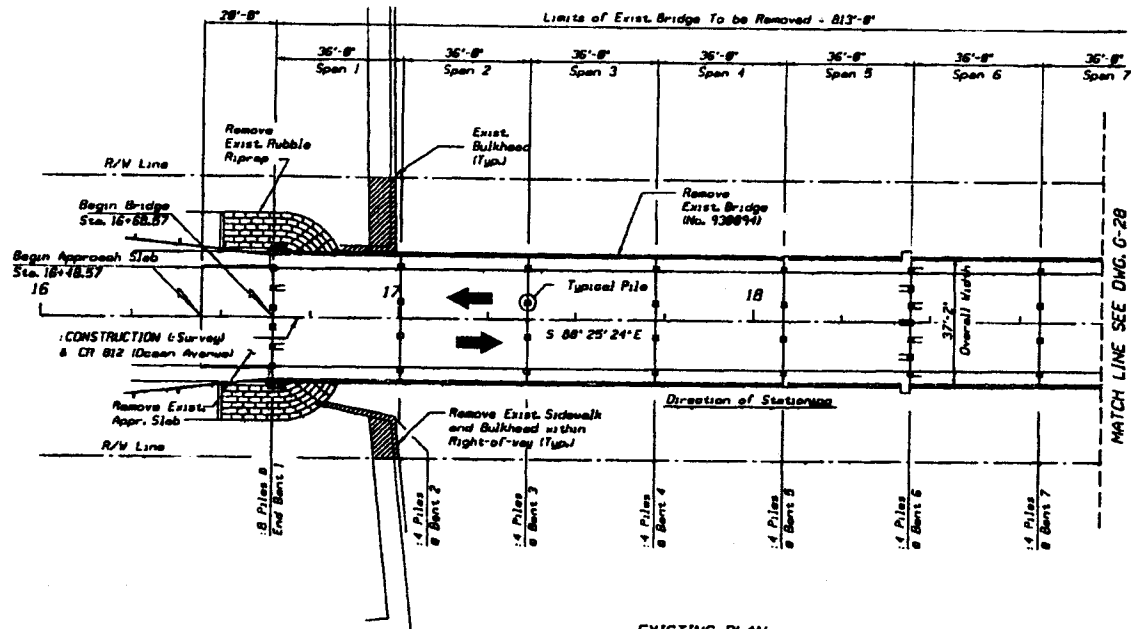
WALKER GROUP
ARCHITECTS AND ENGINEERS
ROADWAY PRODUCTION
1000 W. 10TH AVENUE
SUITE 1000 DENVER, CO 80202
TEL: 303.733.1100
WWW.WALKERGROUP.COM

DATE: 10/06/2010
PROJECT: ENVIRONMENTAL IMPACTS
SHEET: 6 OF 18

CORPUS OF ENGINEERS
OCT 06 2010

SCALE: 1" = 100'
DATE: 10/06/2010
PROJECT: ENVIRONMENTAL IMPACTS
SHEET: 6 OF 18

COE #: PALM BCH GRDMS. OFFICE
PROJECT NUMBER: 2009-4014
PAGE 6 OF 18



EXISTING PLAN

US ARMY
CORPS OF ENGINEERS
OCT 06 2010

PALM BCH GRDNS OFFICE
COE #: 2007-4014
PROJECT MANAGER: _____
PAGE 7 OF 18

NOTES:
1. For Notes, see Drawing No. G-28

BRIDGE NO. 934369

ECDriver

100 AND 104 WESTCHINE DRIVE ROAD
30517 3400
TALLAHASSEE, FL 32309
CORP. OF AUTHORITY REGISTRATION #2030
LICENSED BY RECORD
STATE OF FLORIDA
P.E. NO. 45886

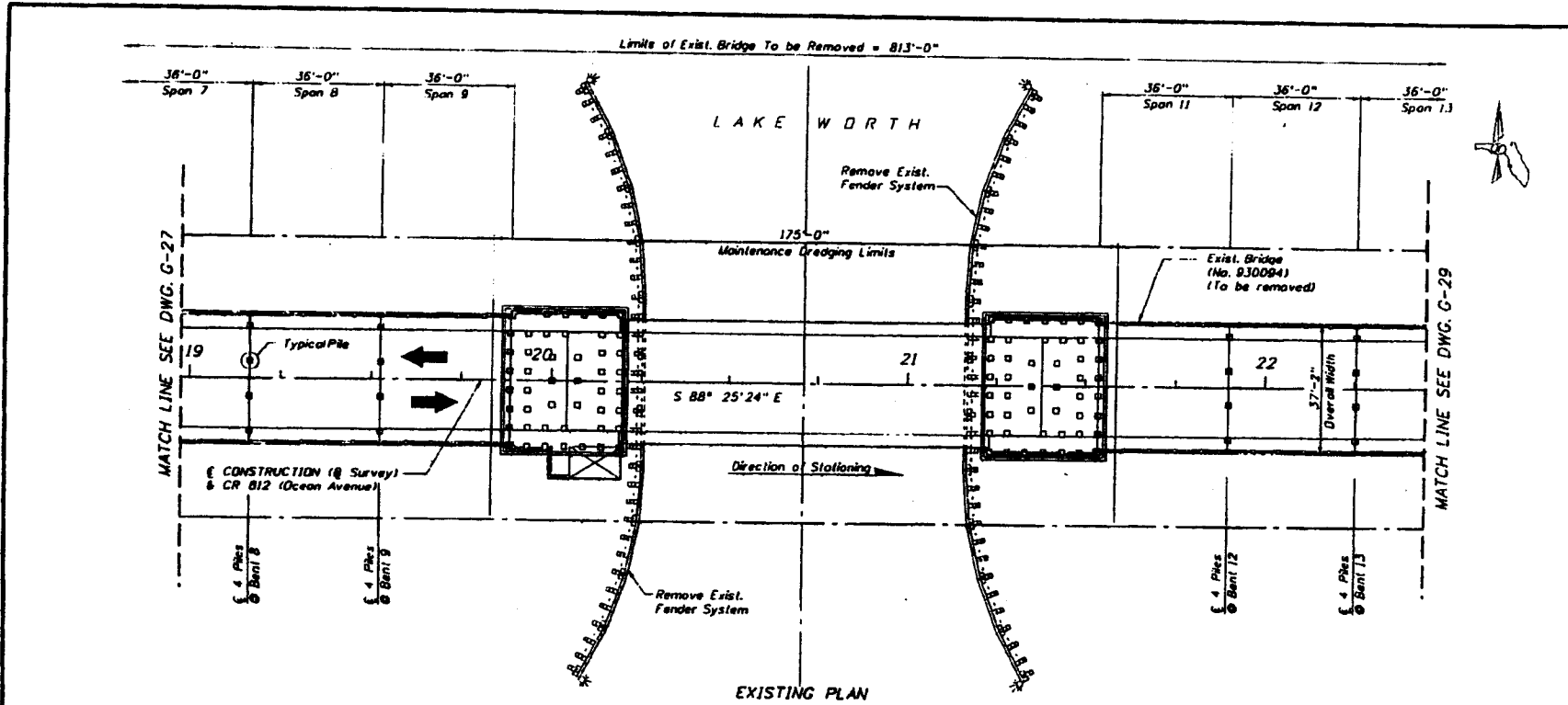
PRELIMINARY
SUBJECT TO CHANGES

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
100 AMERICAN AVENUE
WEST PALM BEACH, FL 33411

DATE: 07/27
DRAWN: S.C.A.
CHECKED: J.M.H.
APPROVED: A.S.S.
SCALE: AS SHOWN

DEMOLITION PLAN - SHEET 1 OF 3
OCEAN AVENUE BRIDGE REPLACEMENT

DATE: 0-27
DRAWN: 0-27
SCALE: AS SHOWN



**US ARMY
CORPS OF ENGINEERS**
OCT 06 2010

COE #: 2009-4014
PROJECT MANAGER: 8
PAGE 8 OF 13

PALM BCH GRDNS. OFFICE

NOTES:

- All piles shall be cut-off 2 ft. below existing ground line (U.N.D.). Remove in entirety existing fender piles, bascule piers including piles and seal, the piles of End Bents 1, and 20 and Intermediate Bents 4, 9, 12 & 17, and bulkhead concrete sheet piles within right-of-way.
- The Contractor is responsible for following requirements of the Occupational Safety and Health Administration (OSHA), the Environmental Protection Agency (EPA) and other governing authorities when removing paint containing hazardous levels of lead and other heavy metals. The structural steel including operating machinery of the existing bridge has been identified as containing hazardous levels of lead and other heavy metals.
- Obtain all permits (local, State and Federal) necessary for and related to disposal of existing materials. Unless noted otherwise, all temporary structures installed by the Contractor within the limits of the project including cofferdams, sheet pile walls, work platforms, falsework, etc. shall be removed.
- Install floating turbidity barriers around all structures including piers, bents, fender system, bulkheads and slope protection within or immediately adjacent to the waterway during demolition activities.

BRIDGE NO. 934369

EGDriver
500 NORTH WYOMING BOULEVARD
SUITE 100
TAMPA, FL 33609
CENT. OF AUTHORITY 781-7320
ENGINEER OF RECORD
LWS & CO. P.A.
A.E. NO. 49830

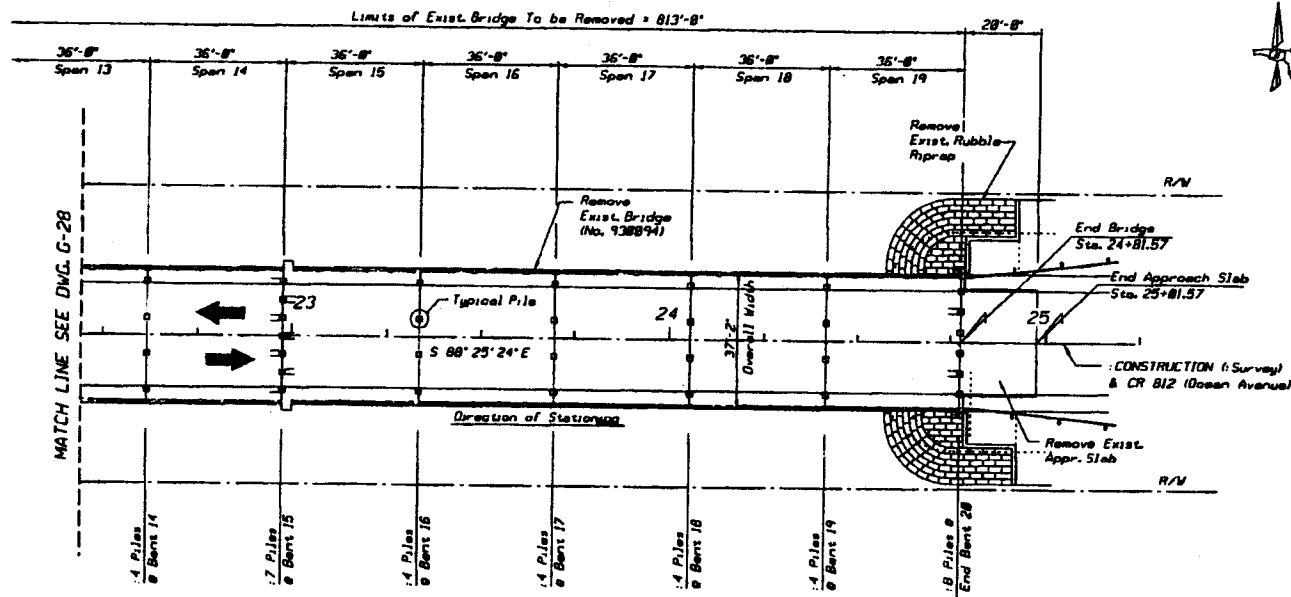
PRELIMINARY
SUBJECT TO CHANGES

PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
100 AIRPORT AVENUE
WEST PALM BEACH, FL 33411

DESIGN: RJS
CHECKED: E.C.R.
DATE: 1.18.10
SCALE: 1/8" = 1'-0"
SHEET: 07/00

DEMOLITION PLAN - SHEET 3 OF 3
OCEAN AVENUE BRIDGE REPLACEMENT

DATE: 10/1/10
DRAWN: G-28
CHECKED: G-28
SCALE: 1/8" = 1'-0"
SHEET: 07/00



US ARMY
CORPS OF ENGINEERS

OCT 06 2010

PALM BCH GRDNS. OFFICE
COE #: 2009-4014
PROJECT MANAGER:
PAGE 9 OF 18

EXISTING PLAN

NOTES:
1. For Notes, see Drawing No. G-28

BRIDGE NO. 934369

ECDriver

300 NORTH WESTSHORE BOULEVARD
SUITE 100
TALLAHASSEE, FL 32300
CERT. OF AUTHORIZATION #2000
ENGINEERS OF RECORD
C. H. HARRIS & P. J. HARRIS
P.E. NO. 41000

PRELIMINARY
SUBJECT TO CHANGES



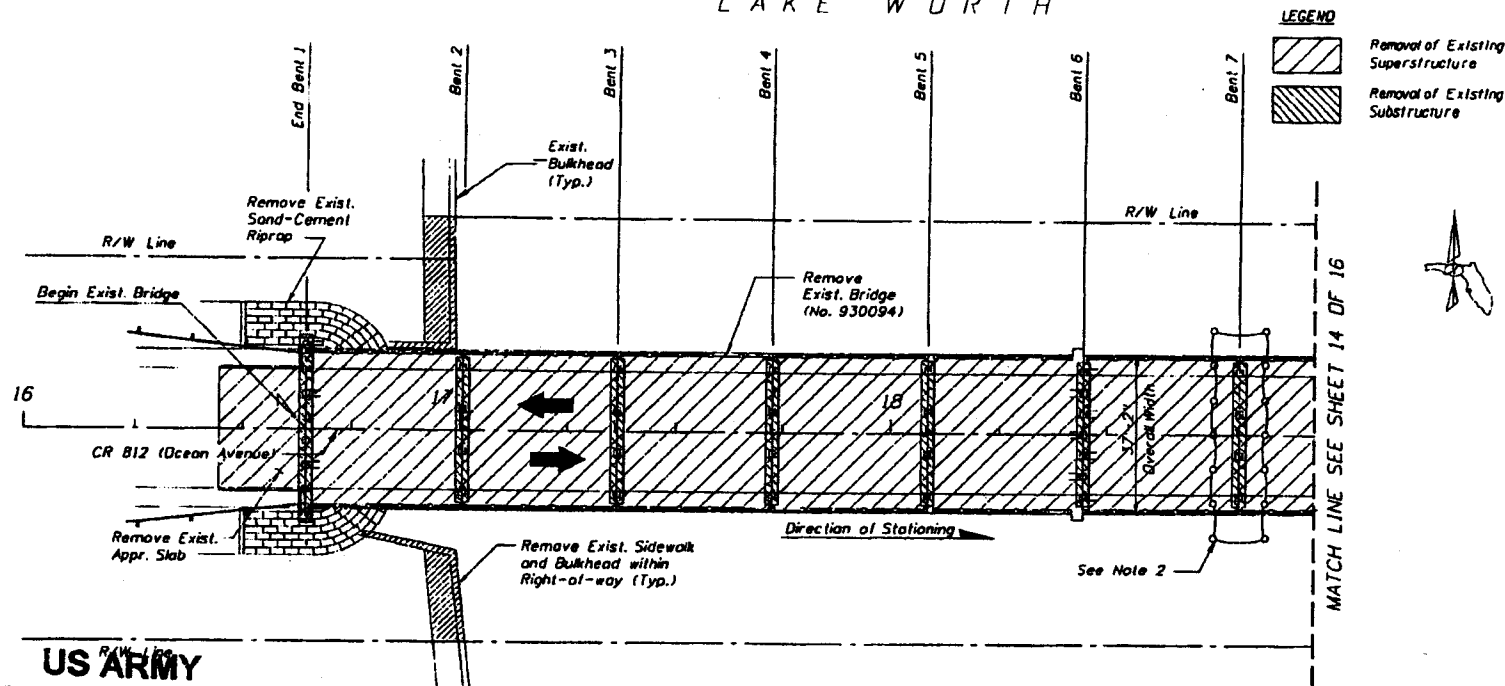
PALM BEACH COUNTY
ENGINEERING AND PUBLIC WORKS
ROADWAY PRODUCTION
100 APPLEGATE AVENUE
WEST PALM BEACH, FL 33411

DATE: 07/10
DRAWN: S.C.R.
CHECKED: J.R.H.
APPROVED: S.C.R.
SCALE: AS SHOWN

DEMOLITION PLAN - SHEET 3 OF 3
OCEAN AVENUE BRIDGE REPLACEMENT

DATE: 07/10
DRAWN: S.C.R.
CHECKED: J.R.H.
APPROVED: S.C.R.
SCALE: AS SHOWN

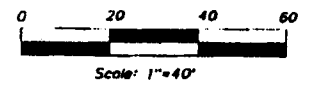
LAKE WORTH



LEGEND
 Removal of Existing Superstructure
 Removal of Existing Substructure

US ARMY
CORPS OF ENGINEERS
 OCT 06 2010

PALM BCH GRDNS. OFFICE
 COE #: 2009-4014
 PROJECT MANAGER: _____
 PAGE 10 OF 18



PLAN - DEMOLITION WEST END OF EXISTING BRIDGE

- NOTES:**
1. Remove existing bridge in entirety except piles at Bents 2, 3, 5 thru 6, 13 thru 16, 18 and 19 may be cutoff 2' below the mudline.
 2. Install double turbidity barriers required around piles during bent pile removal and cutoff operations. The Engineer shall be notified immediately if tidal fluctuations or current velocities prevent turbidity barriers from working effectively. Placement of turbidity barriers may be modified at discretion of the Engineer, to maximize their effectiveness. Additional turbidity monitoring may be required.

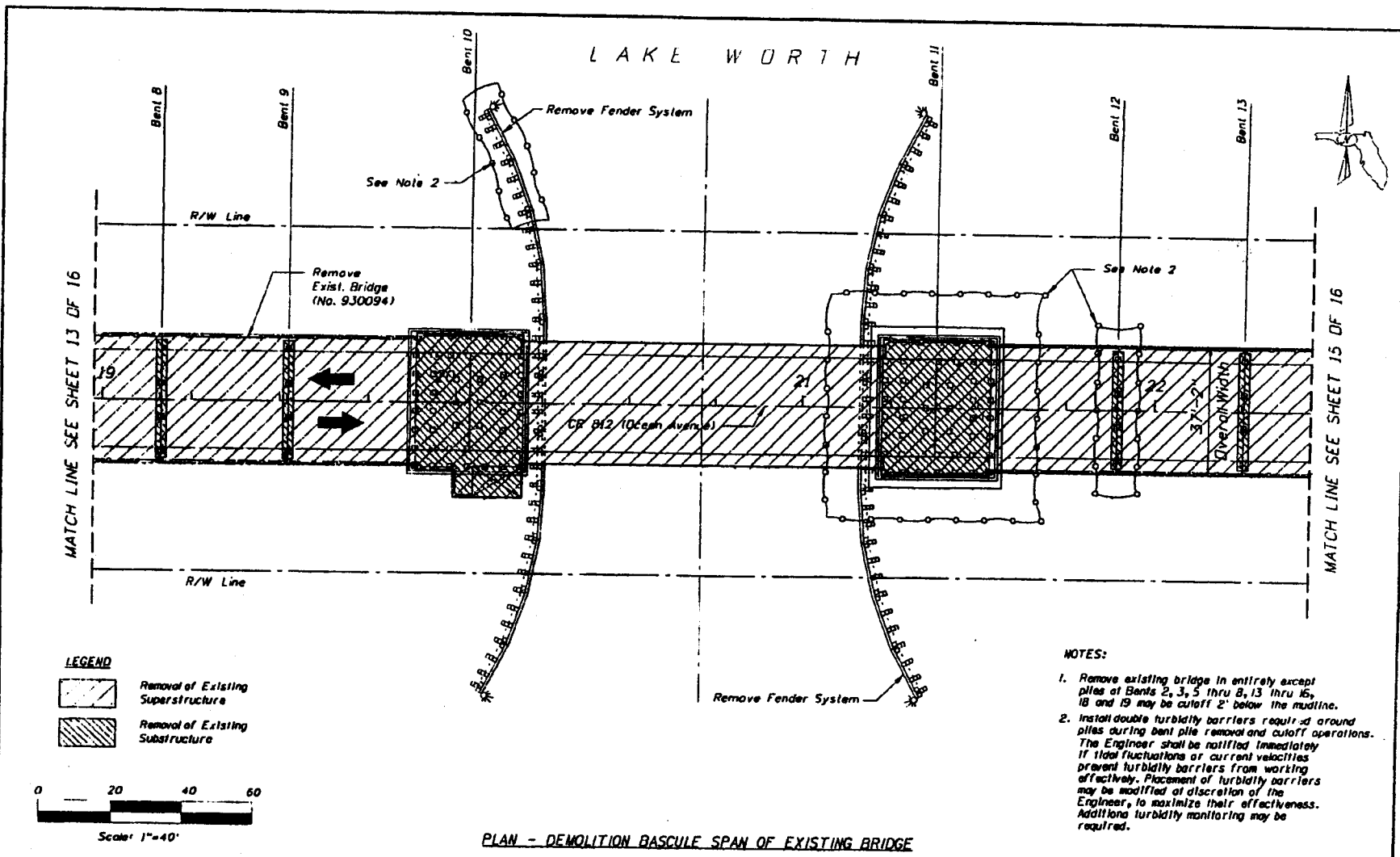
PERMIT DRAWINGS

COUNTY PROJECT NO.: 2003502

NAME: George C. Patton E.C. DRIVER & ASSOC., INC.
 SIGNATURE _____ #EB0003838
 CERTIFICATE NO. 45966 DATE: _____ 500 N. WEST SHORE BLYD.
 SUITE 500
 TAMPA, FL 33609

BRIDGE OWNER: PALM BEACH COUNTY
 WATERWAY: ATLANTIC INTERCOASTAL WATERWAY
 (LAKE WORTH LAGOON)
 MILE POINT: 1031.0
 LOCATION: LANTANA, PALM BEACH COUNTY, FLORIDA

DATE: 02/02/10



PLAN - DEMOLITION BASCULE SPAN OF EXISTING BRIDGE

NOTES:

1. Remove existing bridge in entirety except piles at Bents 2, 3, 5 thru 8, 13 thru 16, 18 and 19 may be cutoff 2' below the mudline.
2. Install double turbidity barriers required around piles during bent pile removal and cutoff operations. The Engineer shall be notified immediately if tidal fluctuations or current velocities prevent turbidity barriers from working effectively. Placement of turbidity barriers may be modified at discretion of the Engineer, to maximize their effectiveness. Additional turbidity monitoring may be required.

PERMIT DRAWINGS

NAME: George C. Patton
SIGNATURE _____
CERTIFICATE NO. 45966 DATE: _____

F. C. DRIVER & ASSOC., INC.
#EB0003838
500 N. WEST SHORE BLVD.
SUITE 500
TAMPA, FL 33609

US ARMY
CORPS OF ENGINEERS
OCT 06 2010

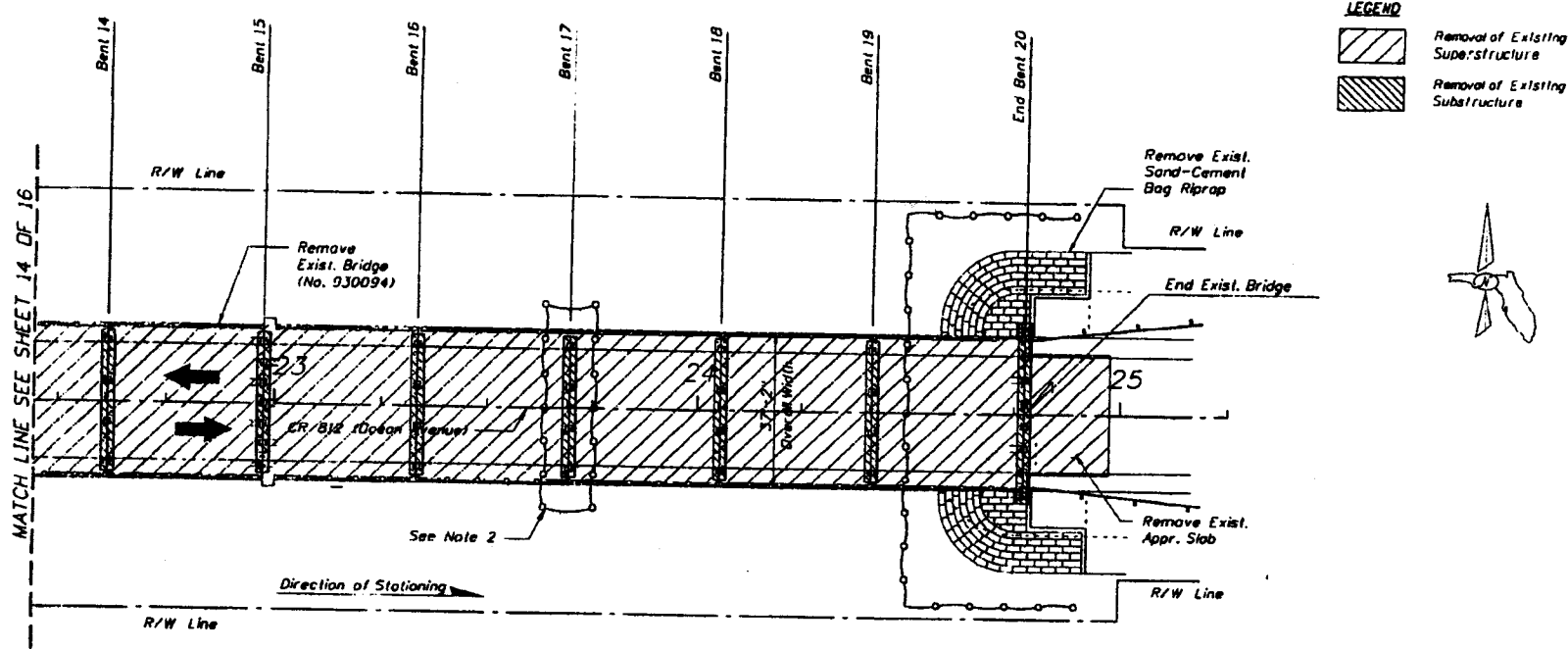
COUNTY PROJECT NO.: 2003502

BRIDGE OWNER: PALM BEACH COUNTY
WATERWAY: ATLANTIC INTERCOASTAL WATERWAY
(LAKE WORTH LAGOON)
MILE POINT: 031.0
LOCATION: LANTANA, PALM BEACH COUNTY, FLORIDA



DATE: 02/02/10

PALM BCH GRDNS. OFFICE
GCE # _____
PROJECT MANAGER: 2001-4074
PAGE 11 OF 18

LAKE WORTH



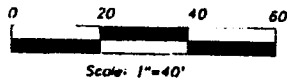
LEGEND

-  Removal of Existing Superstructure
-  Removal of Existing Substructure

PLAN - DEMOLITION EAST END OF EXISTING BRIDGE

NOTES:

1. Remove existing bridge in entirety except piles at Bents 2, 3, 5 thru 8, 13 thru 16, 18 and 19 may be cutoff 2' below the mudline.
2. Install double turbidity barriers required around piles during bent pile removal and cutoff operations. The Engineer shall be notified immediately if tidal fluctuations or current velocities prevent turbidity barriers from working effectively. Placement of turbidity barriers may be modified at discretion of the Engineer, to maximize their effectiveness. Additional turbidity monitoring may be required.



PERMIT DRAWINGS

US ARMY
CORPS OF ENGINEERS

COUNTY PROJECT NO.: 2003502

NAME: George C. Patton

E. C. DRIVER & ASSOC., INC.

SIGNATURE

#EB0003838
500 N. WEST SHORE BLVD.

CERTIFICATE NO. 45966

DATE:

SUITE 500

TAMPA, FL 33609

OCT 06 2010

PALM BCH GRDNS. OFFICE

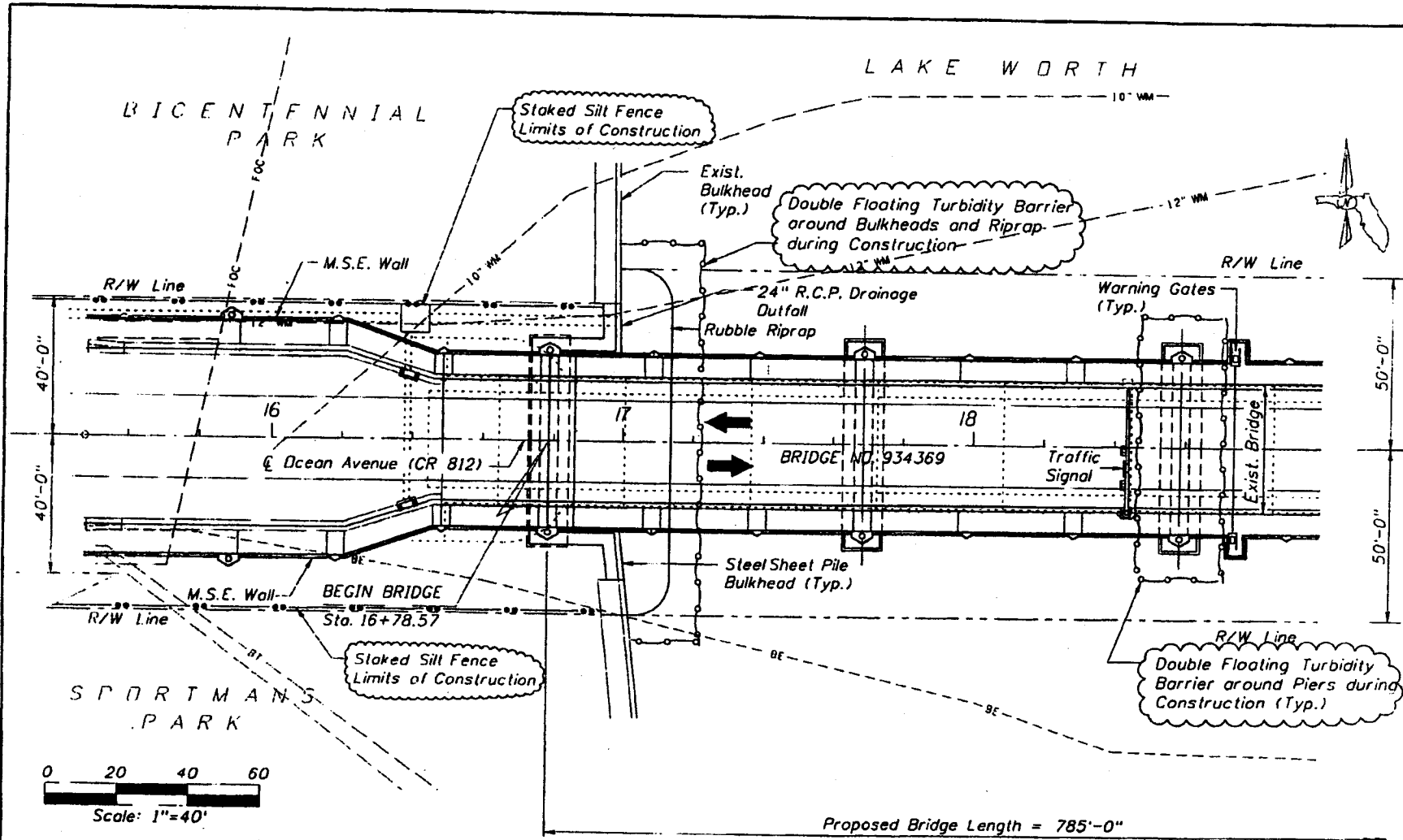
COE #: 2009-4014

PROJECT MANAGER:

PAGE 12 OF 18

BRIDGE OWNER: PALM BEACH COUNTY
WATERWAY: ATLANTIC INTERCOASTAL WATERWAY
(LAKE WORTH LAGOON)
MILE POINT: 1031.0
LOCATION: LANTANA, PALM BEACH COUNTY, FLORIDA

DATE: 02/02/10



PERMIT DRAWINGS

PLAN - WEST END OF PROPOSED BRIDGE

COUNTY PROJECT NO.: 2003502

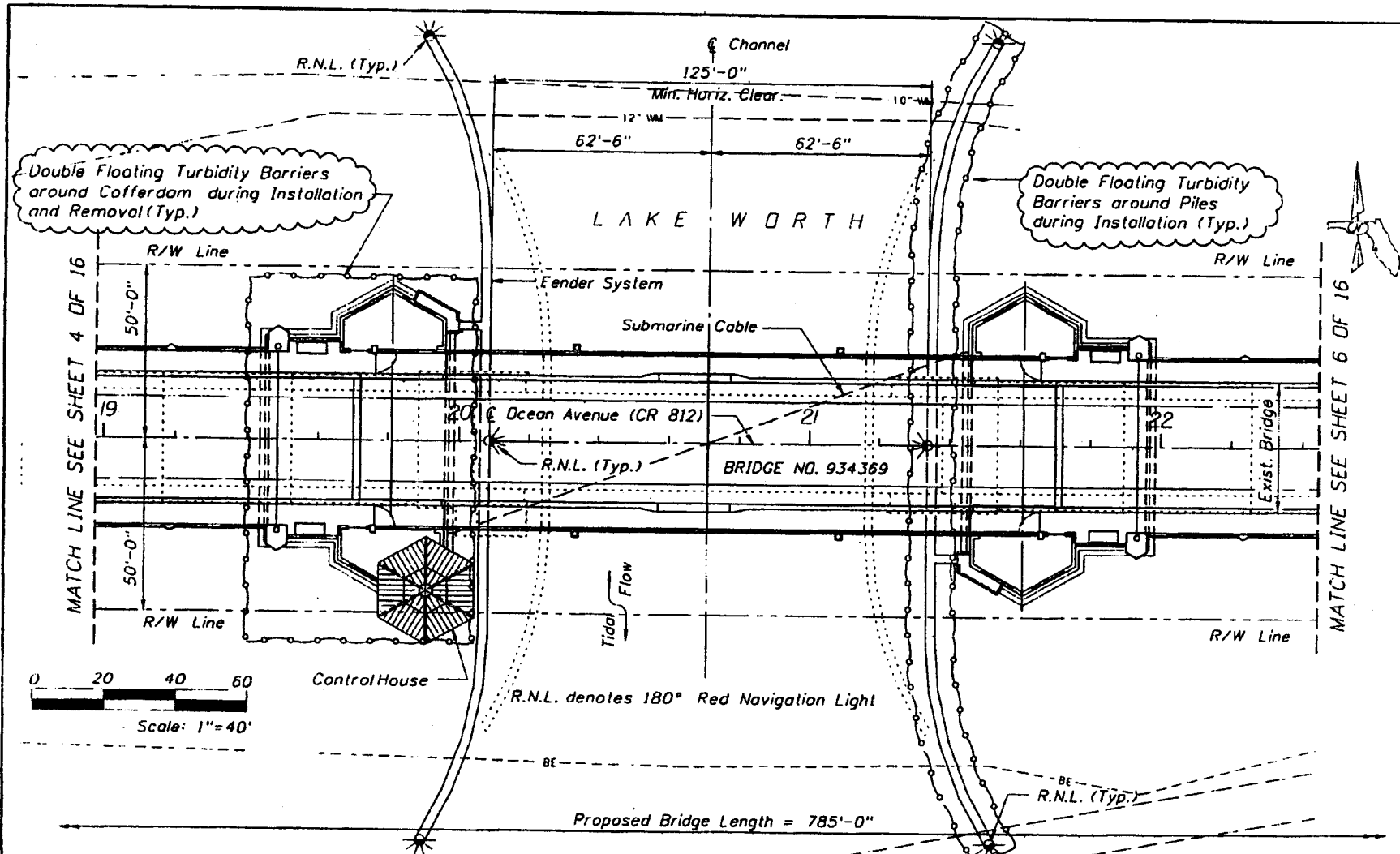
NAME: George C. Patton
 SIGNATURE _____
 CERTIFICATE NO. 45966 DATE: _____
 E.C. DRIVER & ASSOC., INC.
 #EB0003838
 500 N. WEST SHORE BLVD.
 SUITE 500
 TAMPA, FL 33609

US ARMY
CORPS OF ENGINEERS
OCT 06 2010

BRIDGE OWNER: PALM BEACH COUNTY
 WATERWAY: ATLANTIC INTERCOASTAL WATERWAY
 (LAKE WORTH LAGOON)
 MILE POINT: 1031.0
 LOCATION: LANTANA, PALM BEACH COUNTY, FLORIDA

PALM BCH GRDNS. OFFICE
 GSE # _____
 PROJECT MANAGER: 2009-9014
 PAGE 13 OF 18

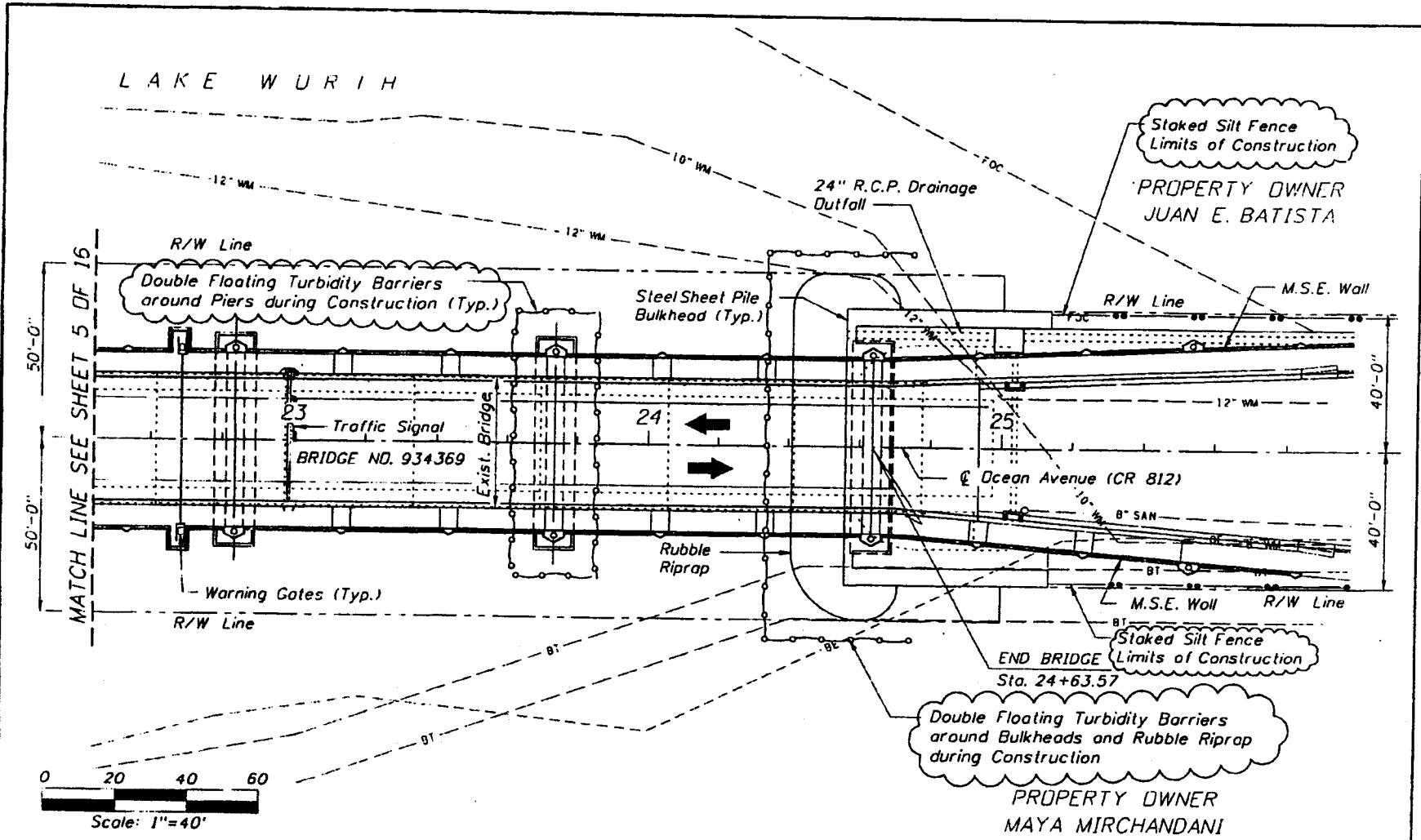
DATE: 02/02/10



PERMIT DRAWINGS PLAN - PROPOSED BASCULE SPAN

NAME: <u>George C. Patton</u> SIGNATURE _____ CERTIFICATE NO. <u>45966</u> DATE: _____	E.C. DRIVER & ASSOC., INC. #ED0003838 500 N. WEST SHORE BLVD. SUITE 500 TAMPA, FL 33609	US ARMY CORPS OF ENGINEERS OCT 06 2010	COUNTY PROJECT NO.: 2003502 BRIDGE OWNER: PALM BEACH COUNTY WATERWAY: ATLANTIC INTERCOASTAL WATERWAY (LAKE WORTH LAGOON) MILE POINT: 1031.0 LOCATION: LANTANA, PALM BEACH COUNTY, FLORIDA DATE: 02/02/10
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PALM BCH GRDNS OFFICE
 COS: _____
 PROJECT MANAGER: 2007-1014
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PLAN - EAST END OF PROPOSED BRIDGE

PERMIT DRAWINGS

NAME: George C. Patton
 SIGNATURE _____
 CERTIFICATE NO. 45966 DATE: _____

E.C. DRIVER & ASSOC., INC.
 #EB0003838
 500 N. WEST SHORE BLVD.
 SUITE 500
 TAMPA, FL 33609

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CORPS OF ENGINEERS
 OCT 06 2010

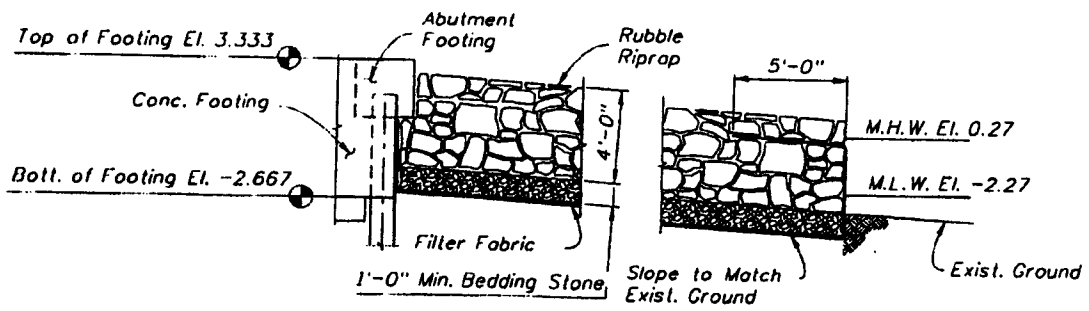
COUNTY PROJECT NO.: 2003502

BRIDGE OWNER: PALM BEACH COUNTY
 WATERWAY: ATLANTIC INTERCOASTAL WATERWAY
 (LAKE WORTH LAGOON)
 MILE POINT: 1031.0
 LOCATION: LANTANA, PALM BEACH COUNTY, FLORIDA

PALM BCH GRDNS. OFFICE
 OCE: _____
 PROJECT MANAGER: 2009-4014
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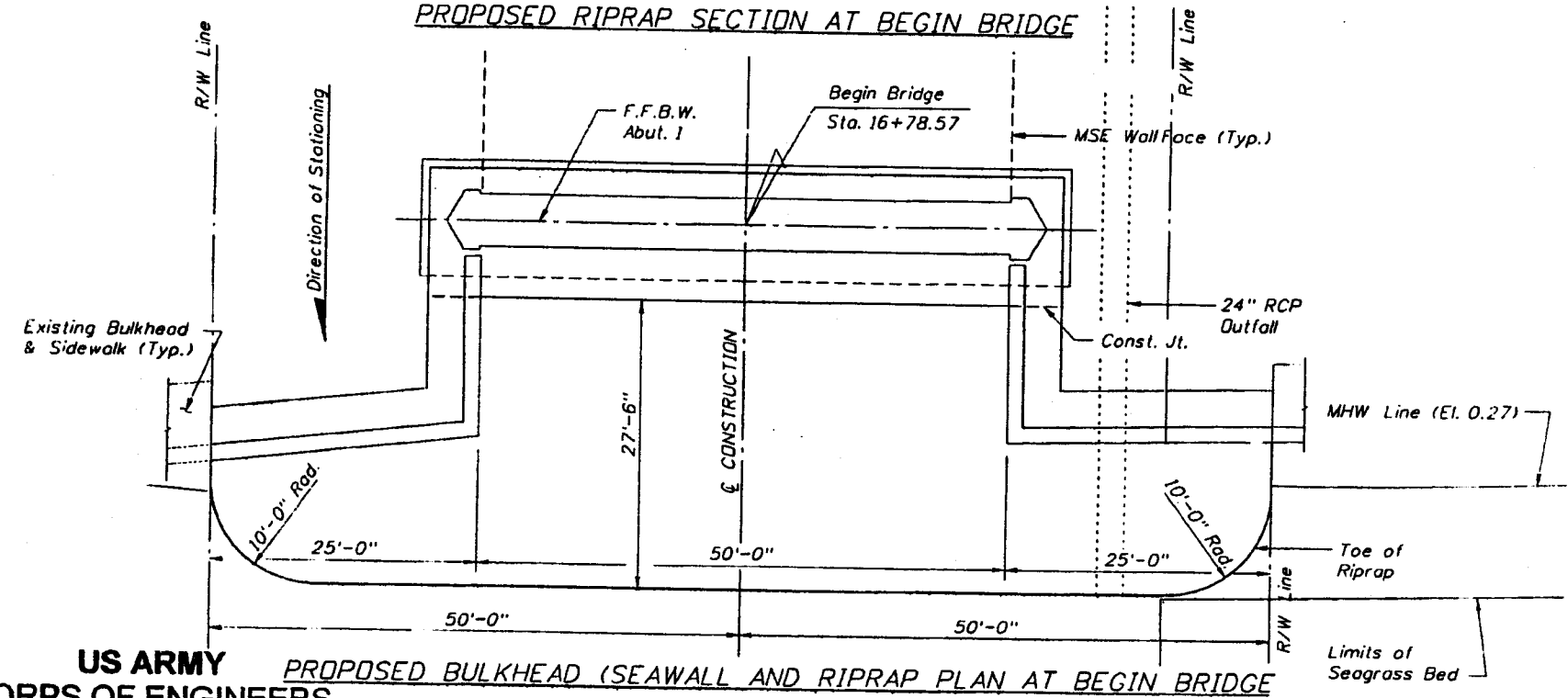
DATE: 02/02/10

BRIDGE OWNER: PALM BEACH CNTY
 AGENT: E.C. DRIVER & ASSOCIATES
 WATERWAY: ATLANTIC INTRACASTAL
 WATERWAY (LAKE WORTH)
 MILL POINT: 1031.0
 LOCATION: LANTANA, PALM BEACH
 CNTY, FL



NOTE:
 No Seagrasses exist in area proposed
 for installation of riprap

PROPOSED RIPRAP SECTION AT BEGIN BRIDGE



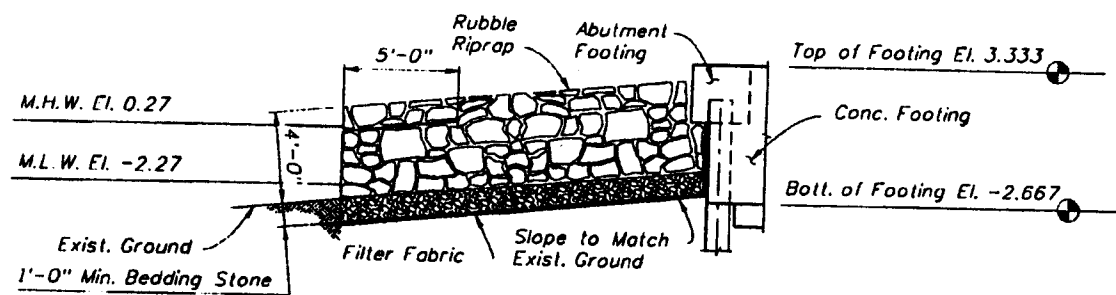
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OCT 06 2010

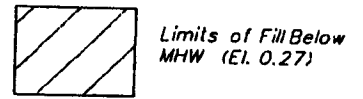
OCEAN AVENUE BRIDGE IN LANTANA OVER INTRACASTAL WATERWAY

PALM BCH GRDNS. OFFICE
 COE # 2009-9014
 PROJECT MANAGER: 16 OF 18
 PAGE

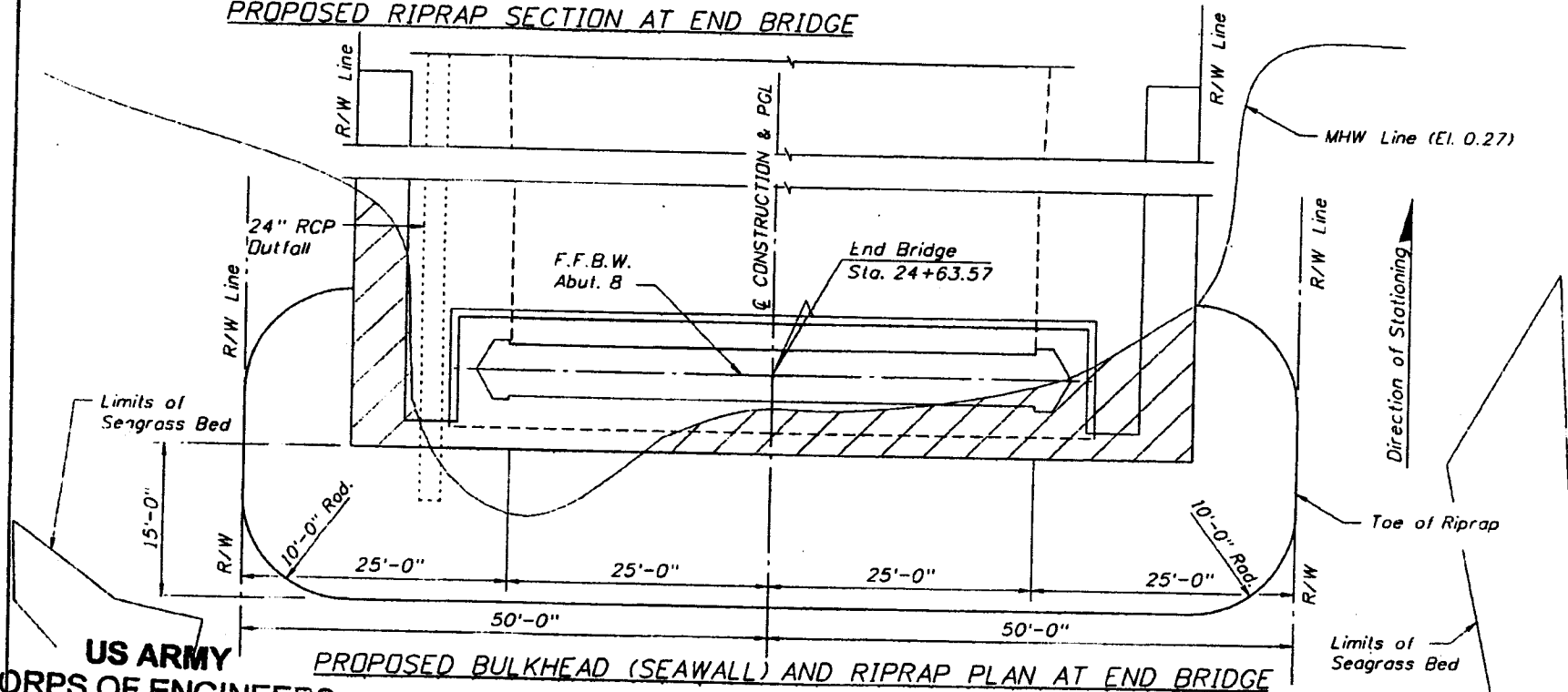
BRIDGE OWNER: PALM BEACH CNTY
 AGENT: E.C. DRIVER & ASSOCIATES
 WATERWAY: ATLANTIC INTRACASTAL
 WATERWAY (LAKE WORTH)
 MILE POINT: 431.0
 LOCATION: LANTANA, PALM BEACH
 CNTY, FL



NOTE:
 No Seagrasses exist in area proposed
 for installation of riprap



PROPOSED RIPRAP SECTION AT END BRIDGE

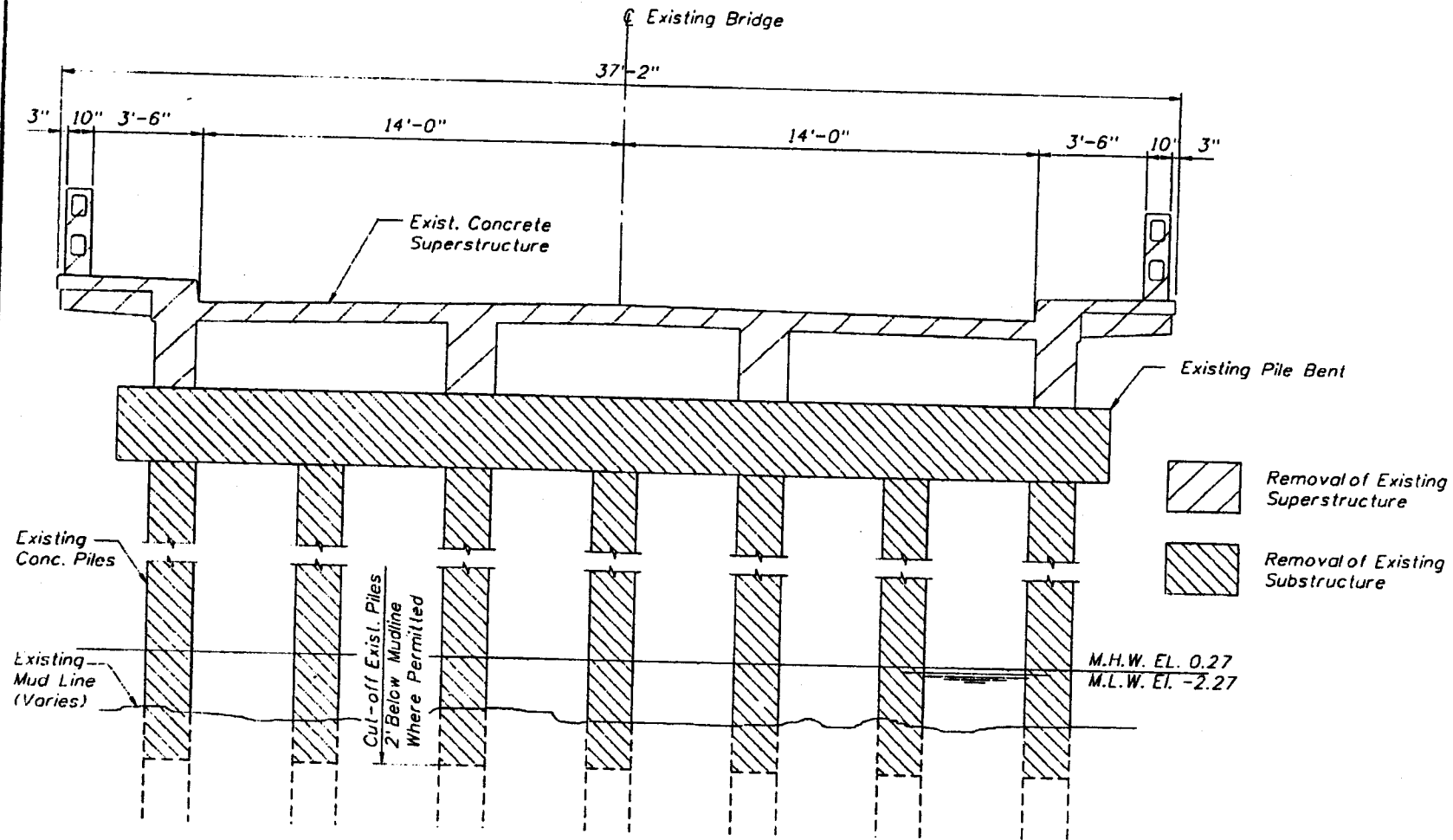


PROPOSED BULKHEAD (SEAWALL) AND RIPRAP PLAN AT END BRIDGE

**US ARMY
 CORPS OF ENGINEERS
 OCT 06 2010**

OCEAN AVENUE BRIDGE IN LANTANA OVER INTRACASTAL WATERWAY

PALM BCH GRDNS OFFICE
 COE PROJECT MANAGER: 209-4014
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PERMIT DRAWINGS TYPICAL SECTION THRU EXISTING BRIDGE SHOWING DEMOLITION

NAME: George C. Pottan
 SIGNATURE _____
 CERTIFICATE NO. 45966 DATE: _____

E.C. DRIVER & ASSOC., INC.
 #EB0003838
 500 N. WEST SHORE BLVD.
 SUITE 500
 TAMPA, FL 33609

US ARMY
CORPS OF ENGINEERS
OCT 06 2010

COUNTY PROJECT NO.: 2003502

BRIDGE OWNER: PALM BEACH COUNTY
 WATERWAY: ATLANTIC INTERCOASTAL WATERWAY
 (LAKE WORTH LAGOON)
 MILE POINT: 1031.0
 LOCATION: LANTANA, PALM BEACH COUNTY, FLORIDA

DATE: 02/02/10

PALM BCH GRDNS. OFFICE
 COE #: 2009-5014
 PROJECT MANAGER: _____
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