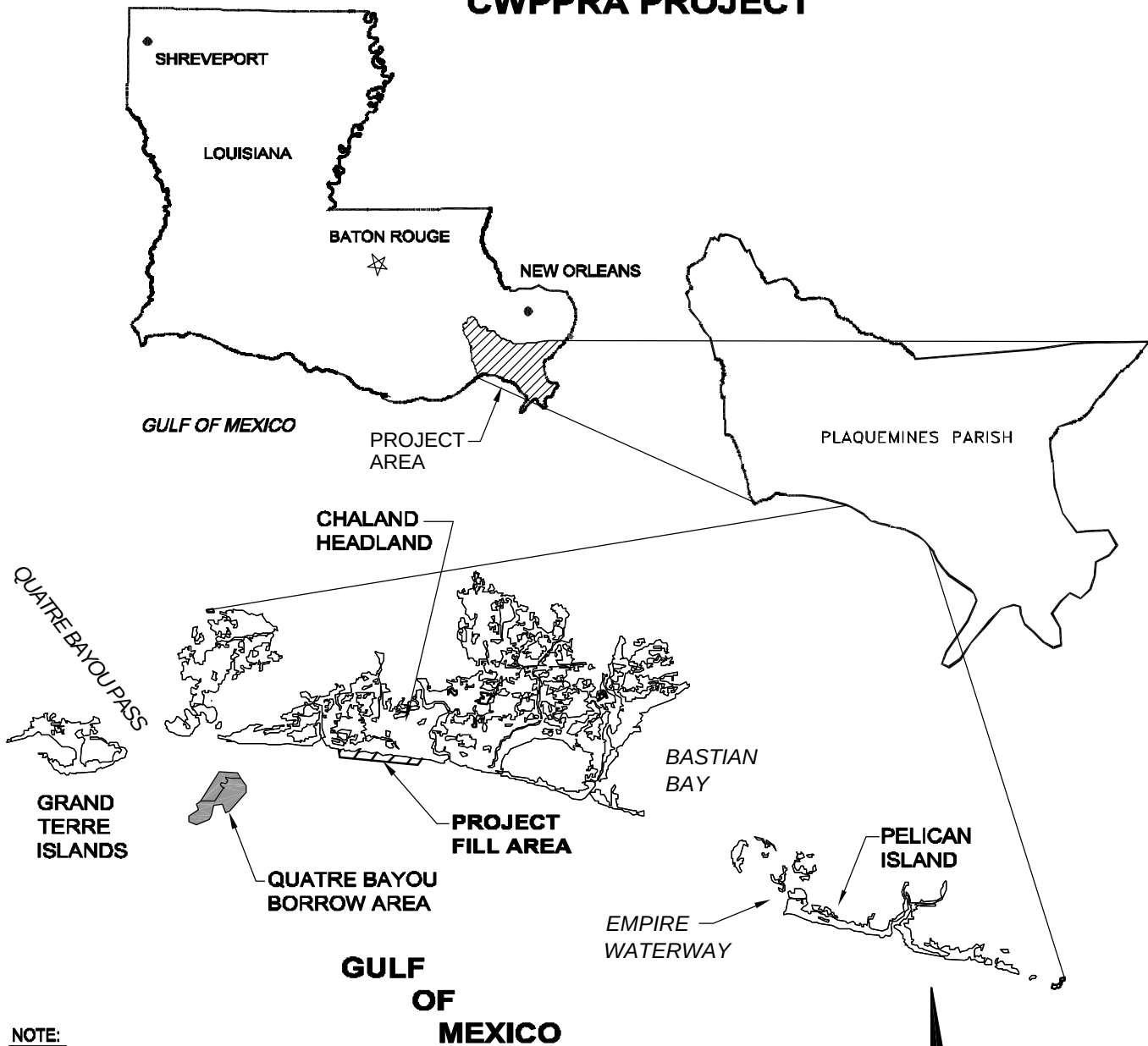


CHALAND HEADLAND RESTORATION (BA-38-2) CWPPRA PROJECT

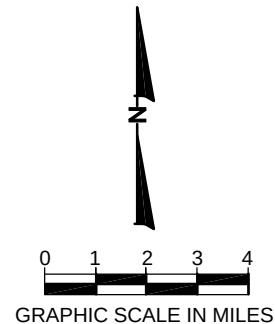


NOTE:

SOURCE OF MAP: LOUISIANA GIS CD;
A DIGITAL MAP OF THE STATE, 2 CD SET.

SHEET INDEX

NO.	TITLE
1	LOCATION MAP
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5B, 5C	QUATRE BAYOU BORROW AREA CROSS SECTION
6-8	BEACH FILL CROSS SECTION
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11	TYPICAL CANAL CLOSURE CUT PROFILE
12, 13	TYPICAL CANAL BREACH CLOSURE CUT PROFILE



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9/16/03	TW	PLAN VIEWS, SECTIONS
10/8/03	TW	PLAN VIEWS, SECTIONS

**CHALAND HEADLAND RESTORATION
(BA-38-2) CWPPRA PROJECT
LOCATION MAP**

TITLE:

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DATE:

7/30/03

BY:

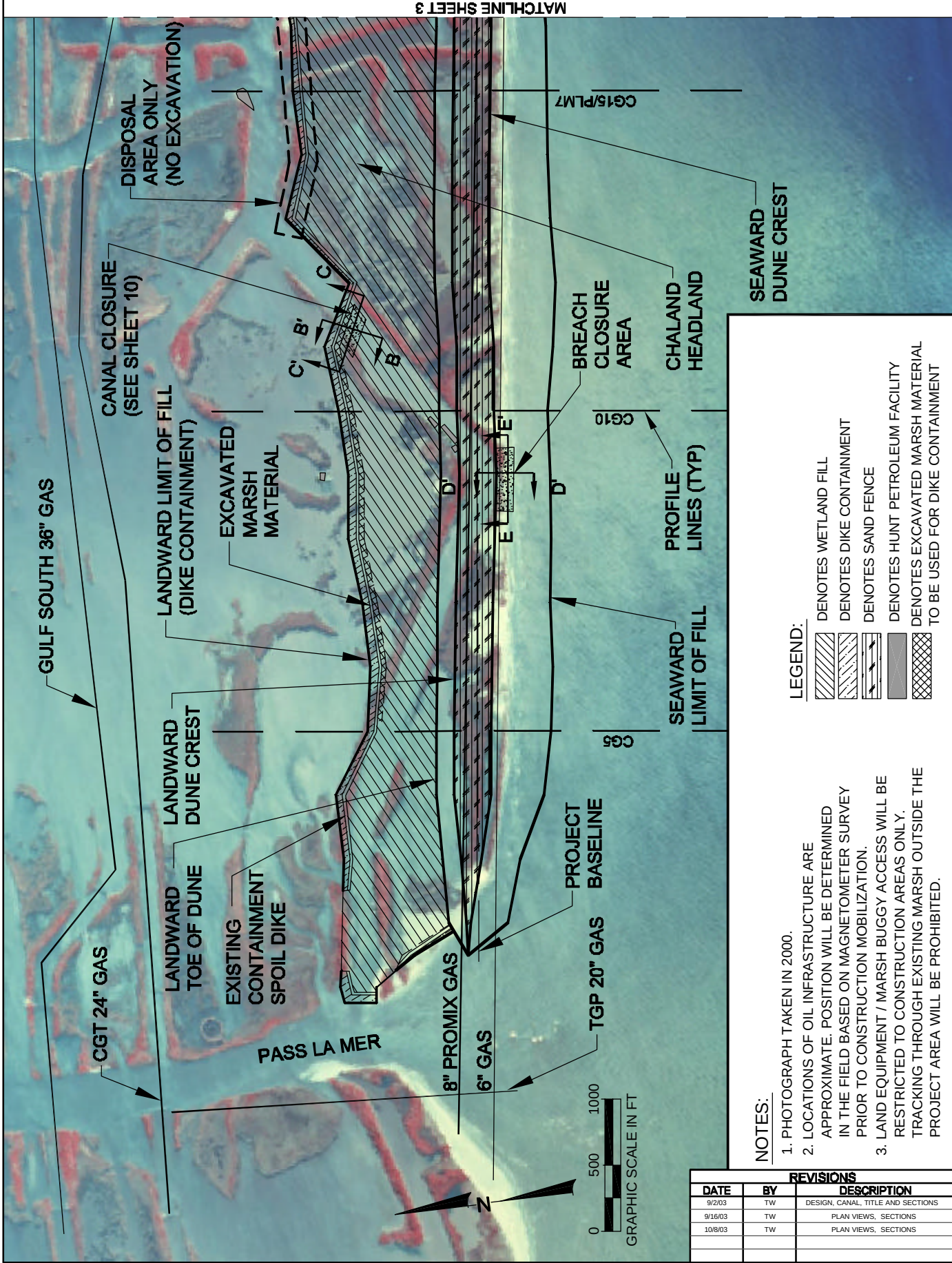
JRC

COMM NO.:

7261.07

SHEET:

1



NOTES:

1. PHOTOGRAPH TAKEN IN 2000.
2. LOCATIONS OF OIL INFRASTRUCTURE ARE APPROXIMATE. POSITION WILL BE DETERMINED IN THE FIELD BASED ON MAGNETOMETER SURVEY PRIOR TO CONSTRUCTION MOBILIZATION.
3. LAND EQUIPMENT / MARSH BUGGY ACCESS WILL BE RESTRICTED TO CONSTRUCTION AREAS ONLY. TRACKING THROUGH EXISTING MARSH OUTSIDE THE PROJECT AREA WILL BE PROHIBITED.

LEGEND:

- DENOTES WETLAND FILL
- DENOTES DIKE CONTAINMENT
- DENOTES SAND FENCE
- DENOTES HUNT PETROLEUM FACILITY
- DENOTES EXCAVATED MARSH MATERIAL TO BE USED FOR DIKE CONTAINMENT

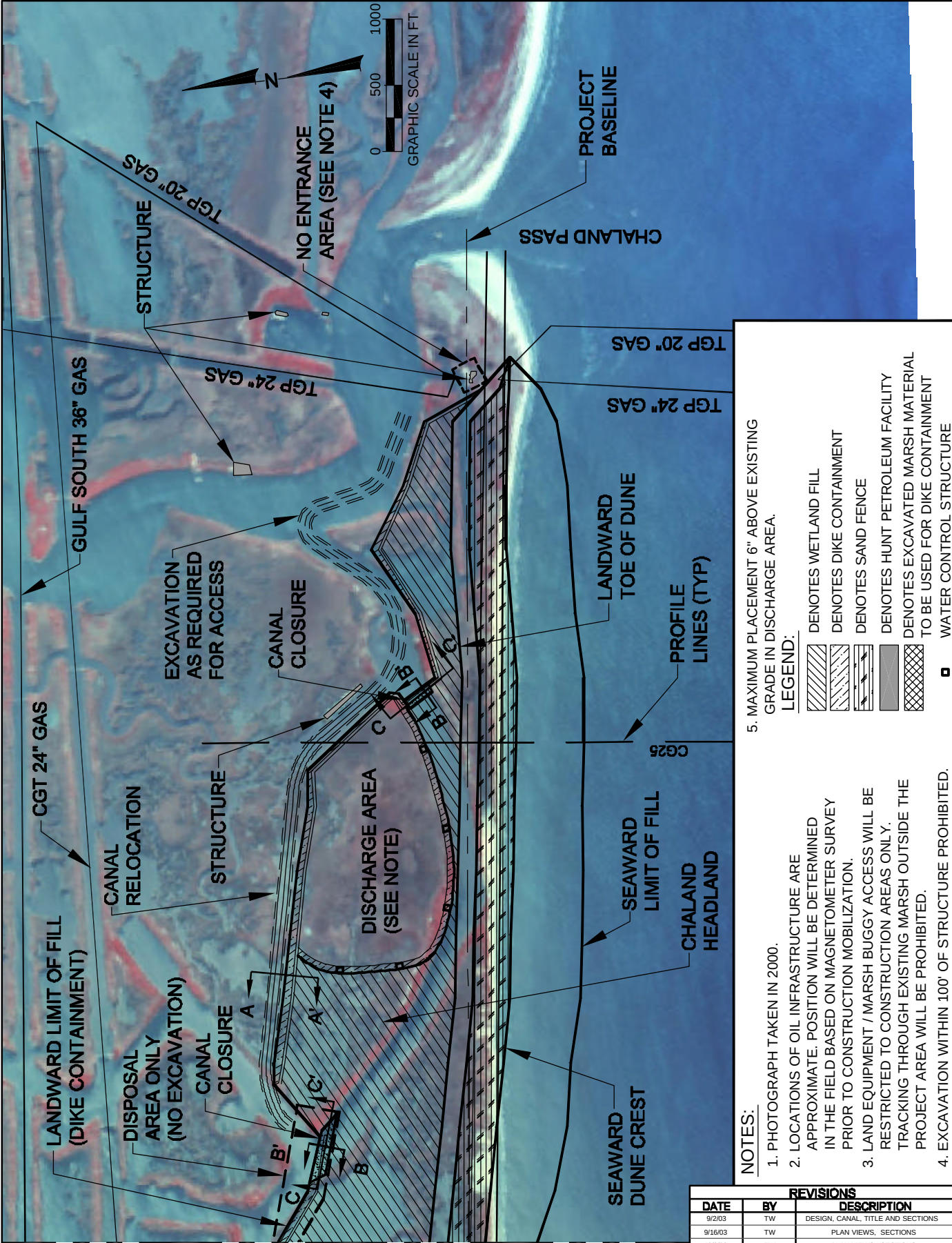
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DATE	BY	DESCRIPTION
9/2/03	TW	DESIGN, CANAL, TITLE AND SECTIONS
9/16/03	TW	PLAN VIEWS, SECTIONS
10/8/03	TW	PLAN VIEWS, SECTIONS

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**CHALAND HEADLAND RESTORATION
(BA-38-2) CWPBRA PROJECT
PLAN VIEW**



MATCHLINE SHEET 2

NOTES:

1. PHOTOGRAPH TAKEN IN 2000.
2. LOCATIONS OF OIL INFRASTRUCTURE ARE APPROXIMATE. POSITION WILL BE DETERMINED IN THE FIELD BASED ON MAGNETOMETER SURVEY PRIOR TO CONSTRUCTION MOBILIZATION.
3. LAND EQUIPMENT / MARSH BUGGY ACCESS WILL BE RESTRICTED TO CONSTRUCTION AREAS ONLY. TRACKING THROUGH EXISTING MARSH OUTSIDE THE PROJECT AREA WILL BE PROHIBITED.
4. EXCAVATION WITHIN 100' OF STRUCTURE PROHIBITED.

5. MAXIMUM PLACEMENT 6" ABOVE EXISTING GRADE IN DISCHARGE AREA.

LEGEND:

- DENOTES WETLAND FILL
- DENOTES DIKE CONTAINMENT
- DENOTES SAND FENCE
- DENOTES HUNT PETROLEUM FACILITY
- DENOTES EXCAVATED MARSH MATERIAL TO BE USED FOR DIKE CONTAINMENT
- WATER CONTROL STRUCTURE

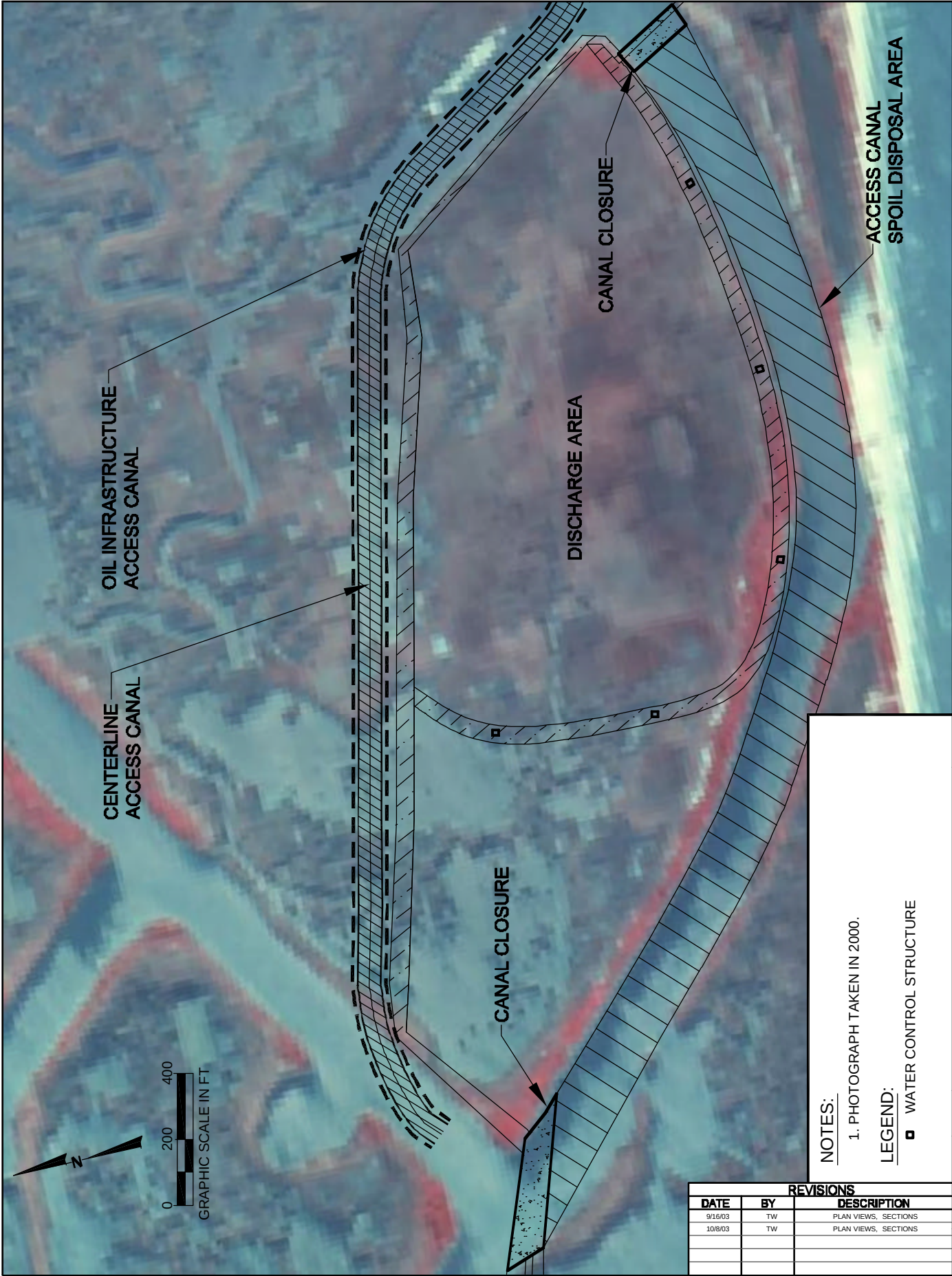
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COMM NO.:	7261.07

DATE: 7/29/03
BY: JRC
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CHALAND HEADLAND RESTORATION
(BA-38-2) CWP/PRA PROJECT
PLAN VIEW



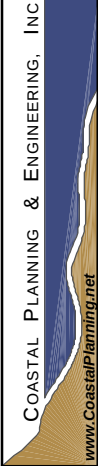
NOTES:

- 1. PHOTOGRAPH TAKEN IN 2000.

LEGEND:

- ▣ WATER CONTROL STRUCTURE

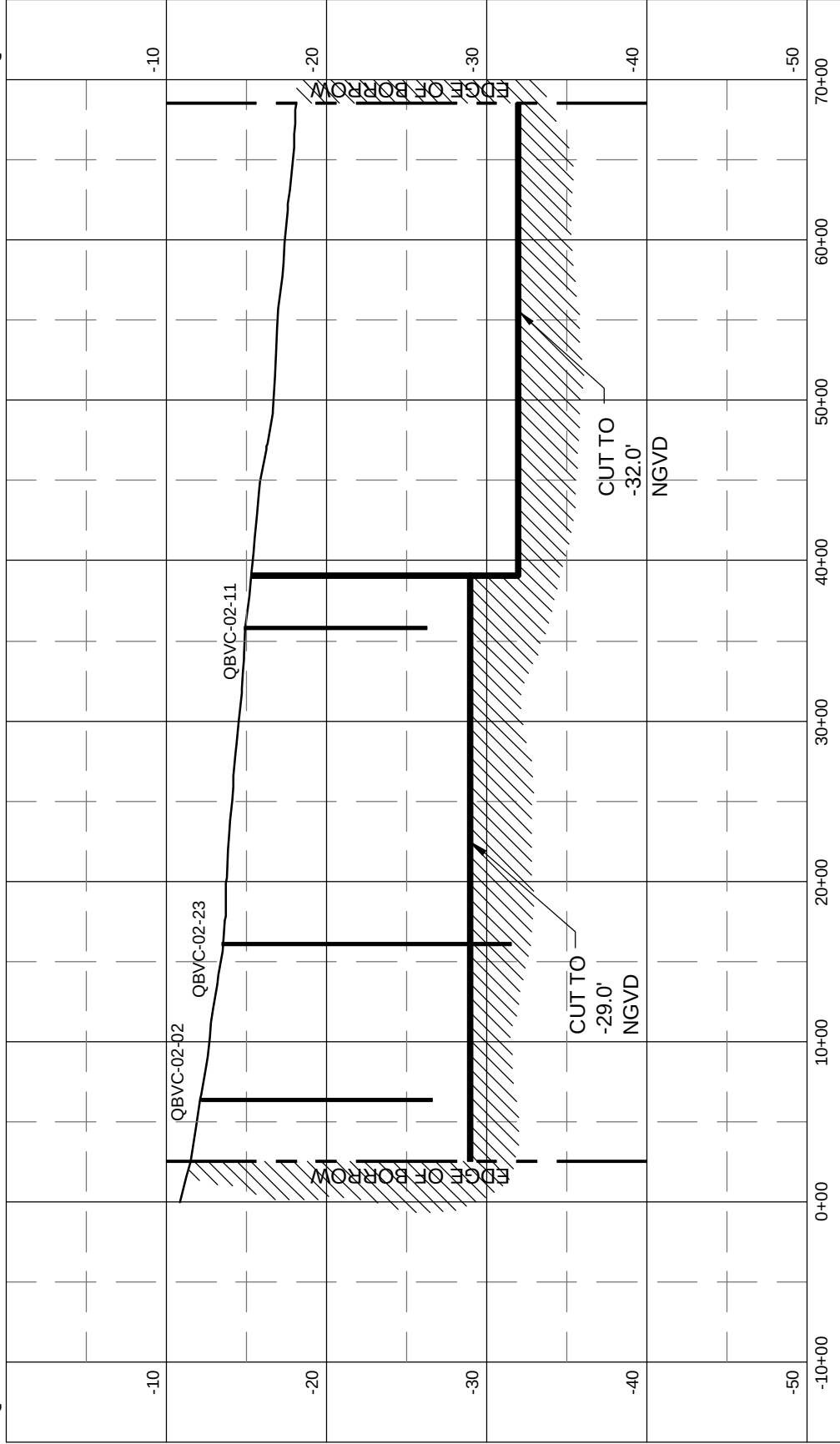
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9/16/03	TW	PLAN VIEWS, SECTIONS
10/8/03	TW	PLAN VIEWS, SECTIONS

		CHALAND HEADLAND RESTORATION (BA-38-2) CWPRA PROJECT ACCESS CANAL
DATE: 07/30/03	2481 N.W. BOCA RATON BLVD. BOCA RATON, FL 33431 PH. (561) 391-8102 FAX (561) 391-9116	TITLE:
BY: RC	COMM NO.: 7261.07	
	SHEET: 4	

Q1

QUATRE BORROW AREA

Q1'



ELEVATION, NAVD (FEET)

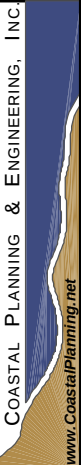
DISTANCE (FEET)

NOTE:

1. VIBRACORES MAY NOT FALL DIRECTLY ON CROSS SECTION LINE, BUT ARE LOCATED SUFFICIENTLY CLOSE TO REPRESENT SIMILAR MATERIAL.

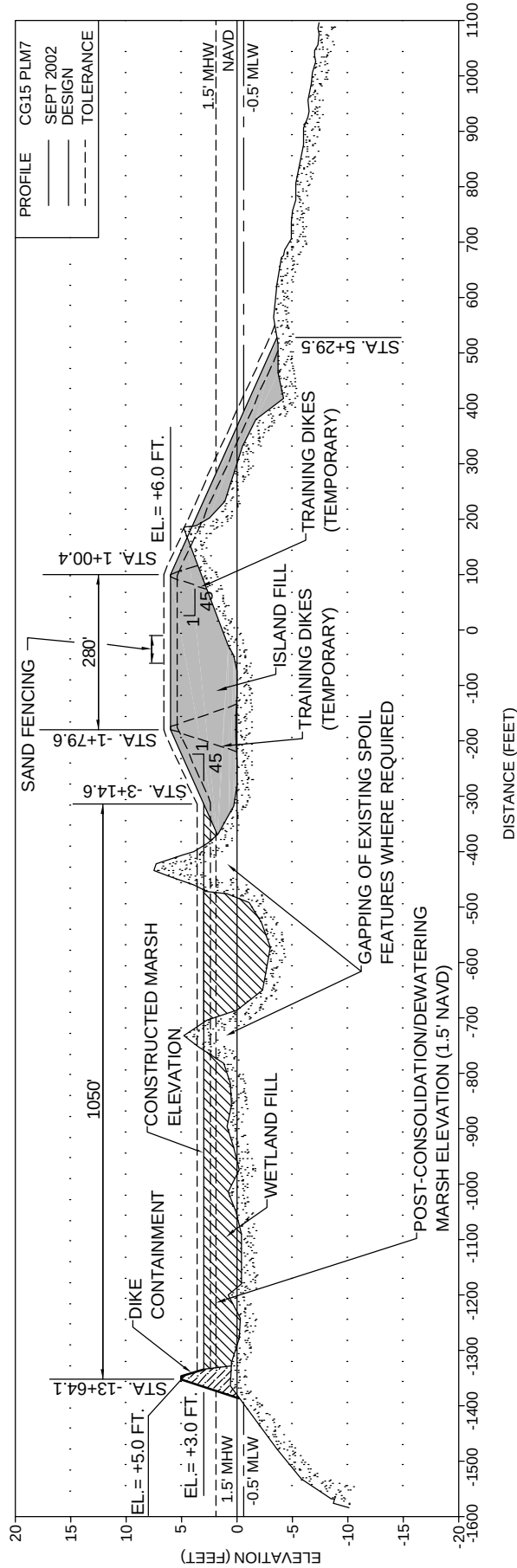
SCALE: 1"= 1000' HORIZONTAL
1"=10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION

CHALAND HEADLAND RESTORATION QUATRE BORROW AREA Q1-Q1' CROSS SECTION		TITLE	2481 N.W. BOCA RATON BLVD. BOCA RATON, FL 33431 PH. (561) 391-8102 FAX (561) 391-9116	 www.CoastalPlanning.net
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BY:		JRC		
COMM NO.:		7261.07		
SHEET:		5B		

REVISIONS		
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9/2/03	TW	DESIGN, CANAL, TITLE AND SECTIONS
9/16/03	TW	PLAN VIEWS, SECTIONS
10/8/03	TW	PLAN VIEWS, SECTIONS

DATE:	7/29/03
BY:	TW
COMM NO.:	7261.07
SHEET:	6



SCALE: 1"= 300' HORIZONTAL
1"=15' VERTICAL

LEGEND:

- DIAGONAL HATCHING DENOTES WETLAND FILL
SOLID GRAY DENOTES ISLAND FILL
CROSS-HATCHING DENOTES DIKE CONTAINMENT
DOTTED GRAY DENOTES EXCAVATED MARSH MATERIAL TO BE USED FOR DIKE CONTAINMENT

NOTE:

1. ELEVATIONS SHOWN HEREON ARE IN FEET
BASED ON NAVD 1988.

REVISIONS		
DATE	BY	DESCRIPTION
9/2/03	TW	DESIGN, CANAL, TITLE AND SECTIONS
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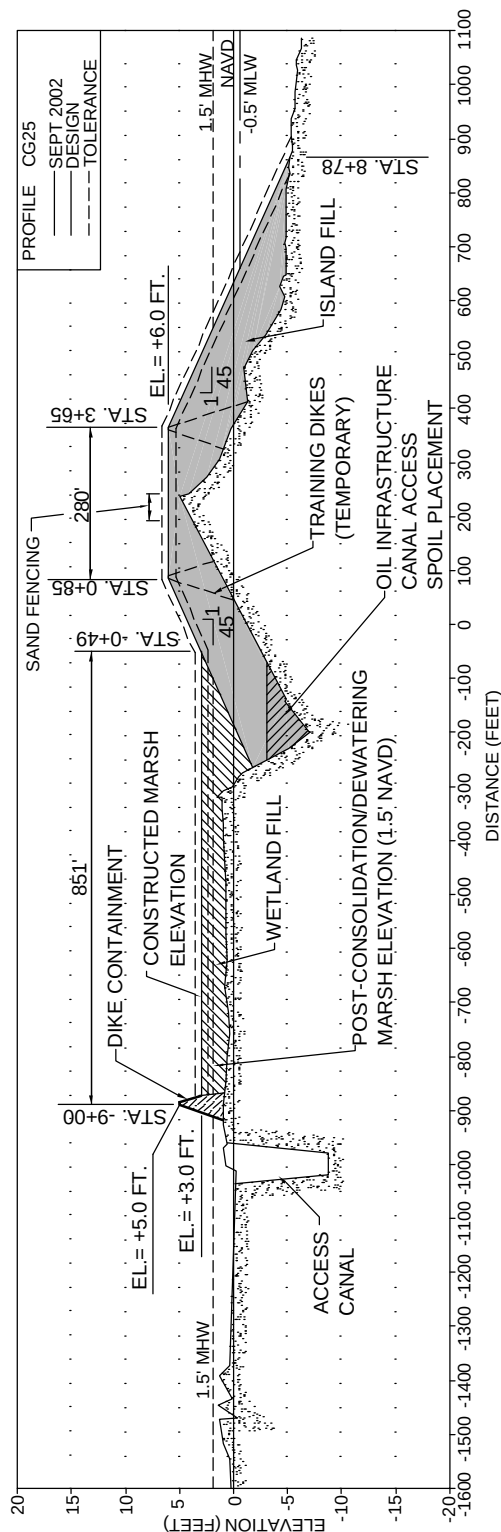
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SHEET:	7

DATE: 7/29/03
BY: TW

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TITLE: CHALAND HEADLAND RESTORATION
(BA-38-2) CWPRA PROJECT
BEACH FILL CROSS SECTION CG15 PLM7



SCALE: 1"= 300' HORIZONTAL
1"=15' VERTICAL

NOTE:

1. ELEVATIONS SHOWN HEREON ARE IN FEET
BASED ON NAVD 1988.

LEGEND:

- | | | | |
|---|--------------------------|---|--|
|  | DENOTES WETLAND FILL |  | DENOTES SPOIL FROM OIL INFRASTRUCTURE ACCESS CANAL |
|  | DENOTES ISLAND FILL |  | DENOTES EXCAVATED MARSH MATERIAL TO BE USED FOR DIKE CONTAINMENT |
|  | DENOTES DIKE CONTAINMENT | | |

REVISIONS		
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10/8/03	TW	PLAN VIEWS, SECTIONS

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BY:	TW

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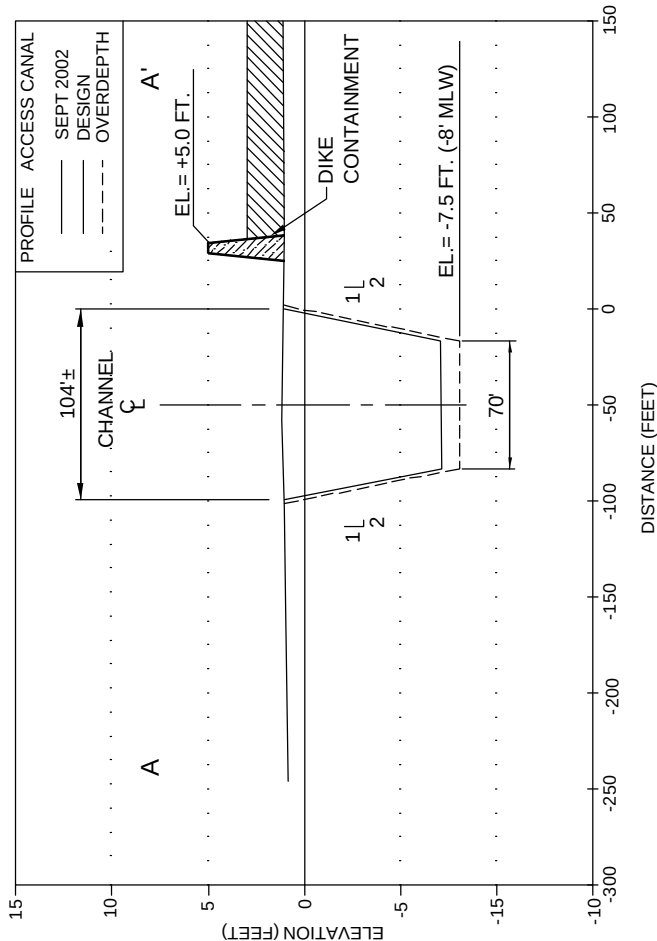
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**CHALAND HEADLAND RESTORATION
(BA-38-2) CWPPRA PROJECT
BEACH FILL CROSS SECTION CG25**



SCALE: 1"= 100' HORIZONTAL
1"=10' VERTICAL

LEGEND:

- DENOTES DIKE CONTAINMENT
- DENOTES WETLAND FILL

NOTE:
1. ELEVATIONS SHOWN HEREON ARE IN FEET
BASED ON NAVD 1988.

REVISIONS		
DATE	BY	DESCRIPTION
9/2/03	TW	DESIGN, CANAL, TITLE AND SECTIONS
9/16/03	TW	PLAN VIEWS, SECTIONS
10/8/03	TW	PLAN VIEWS, SECTIONS

DATE:
7/29/03

BY:
TW

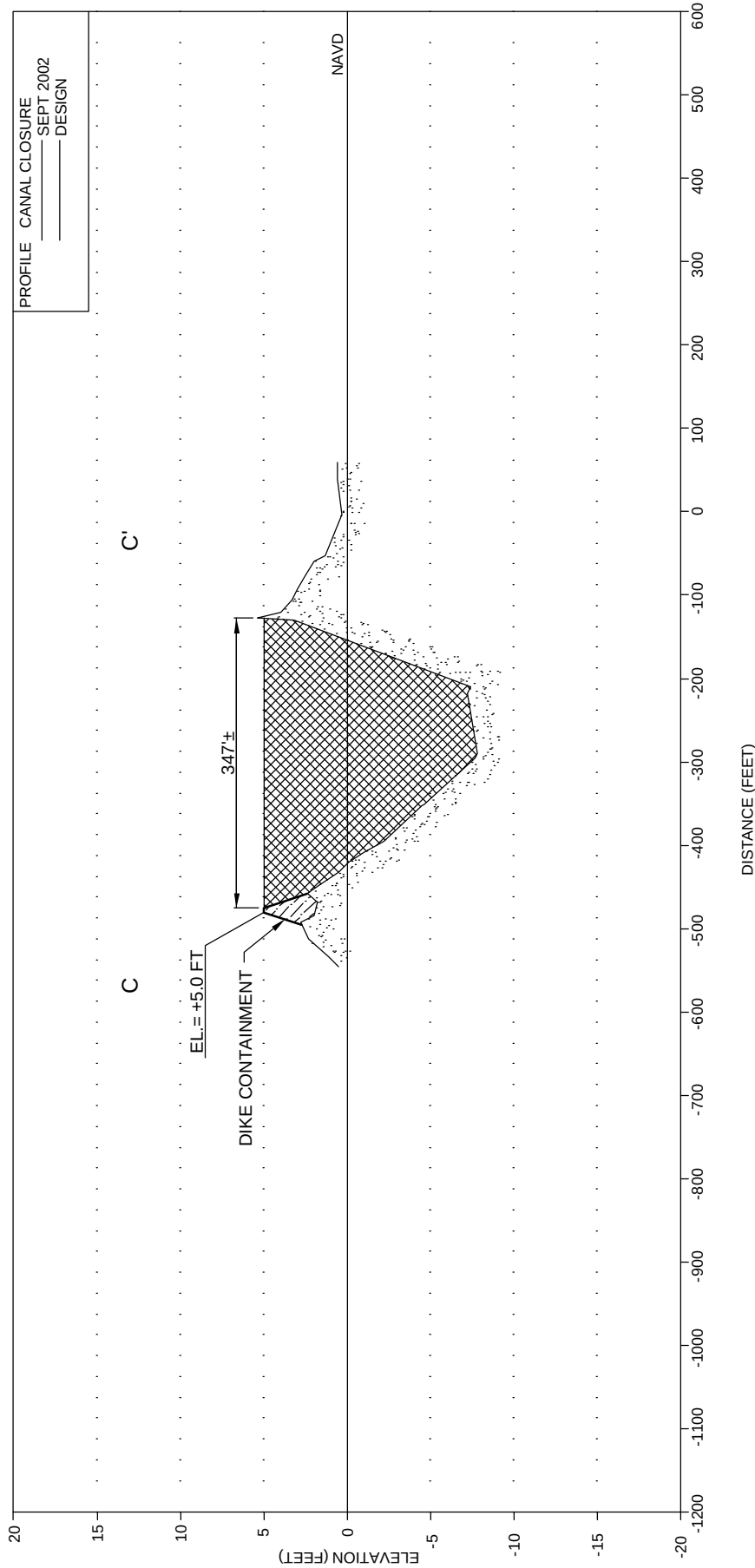
COMM NO.:
7261.07

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9

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TITLE:
**CHALAND HEADLAND RESTORATION
(BA-38-2) CWPRA PROJECT OIL INFRASTRUCTURE
ACCESS CANAL CROSS SECTION (TYPICAL)**



EXISTING CANAL CLOSURE CROSS SECTION

SCALE: 1"= 200' HORIZONTAL
1"=10' VERTICAL

LEGEND:

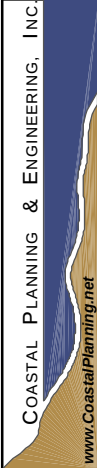
- DENOTES DIKE CONTAINMENT
- DENOTES EXCAVATED MARSH MATERIAL TO BE USED FOR DIKE CONTAINMENT

NOTE:

- ELEVATIONS SHOWN HEREON ARE IN FEET BASED ON NAVD 1988.

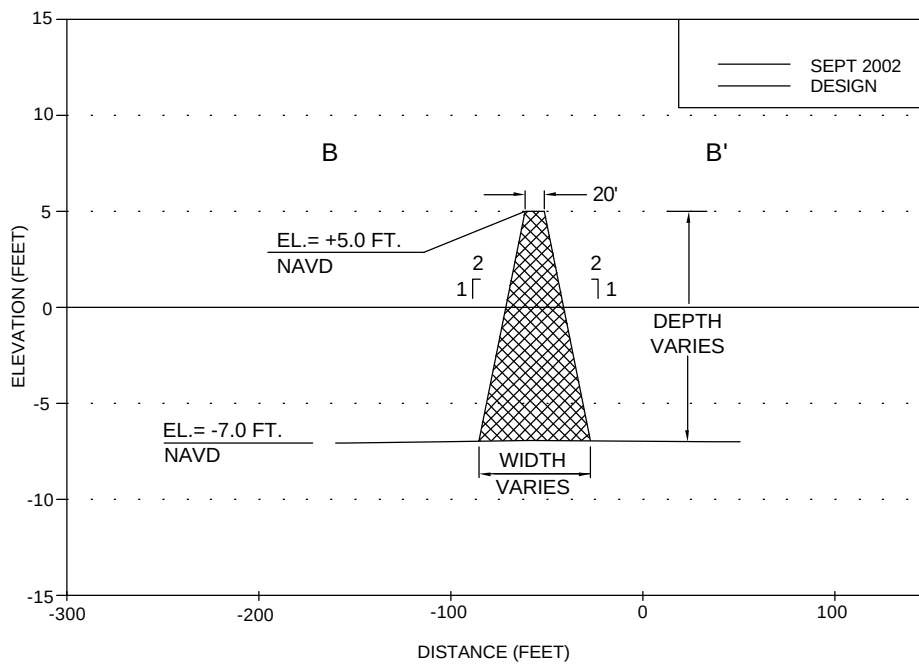
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10/8/03	TW	PLAN VIEWS, SECTIONS

DATE:	7/29/03
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COMM NO.:	7261.07
SHEET:	10



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CHALAND HEADLAND RESTORATION
(BA-38-2) CWPRA PROJECT
TYPICAL CANAL CLOSURE CROSS SECTION



TYPICAL CLOSURE CUT

NOTE:

1. ELEVATIONS SHOWN HEREON ARE IN FEET
BASED ON NAVD 1988.

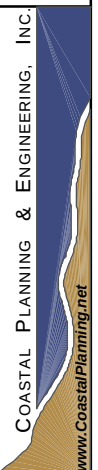
SCALE: 1"= 100' HORIZONTAL
1"=10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION
9/2/03	TW	DESIGN, CANAL, TITLE AND SECTIONS
9/16/03	TW	PLAN VIEWS, SECTIONS
10/8/03	TW	PLAN VIEWS, SECTIONS

**CHALAND HEADLAND RESTORATION
(BA-38-2) CWPRA PROJECT
CLOSURE CUT PROFILE (TYPICAL)**

TITLE:

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DATE:

7/29/03

BY:

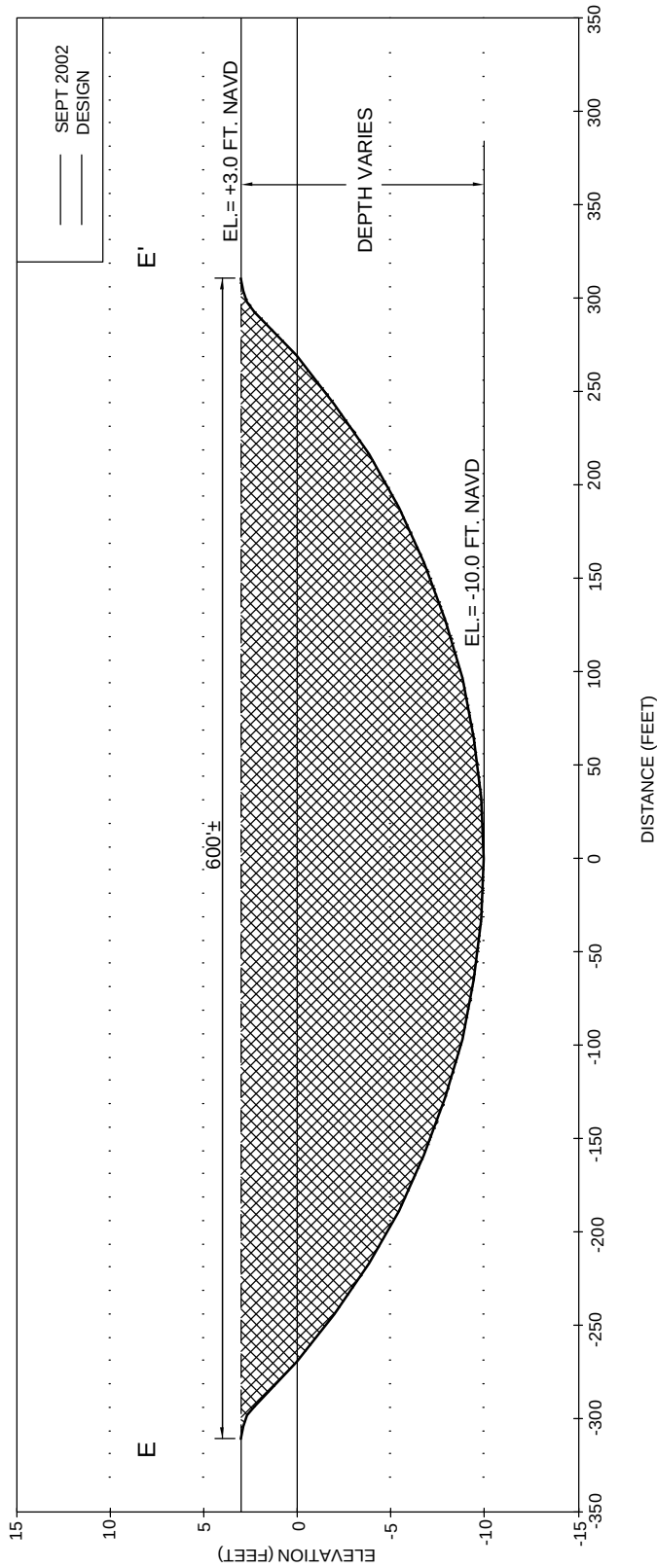
TW

COMM NO.:

7261.07

SHEET:

11



TYPICAL BREACH CLOSURE CUT

NOTE:

1. ELEVATIONS SHOWN HEREON ARE IN FEET BASED ON NAVD 1988.
2. DEPTH AND WIDTH OF BREACH VARIES.
3. SHEET PILE (STRUCTURE) PLACEMENT ACROSS CROSS SECTION LIKELY DURING CONSTRUCTION.

SCALE: 1"= 100' HORIZONTAL
1"=10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION
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9/16/03	TW	PLAN VIEWS, SECTIONS
10/8/03	TW	PLAN VIEWS, SECTIONS

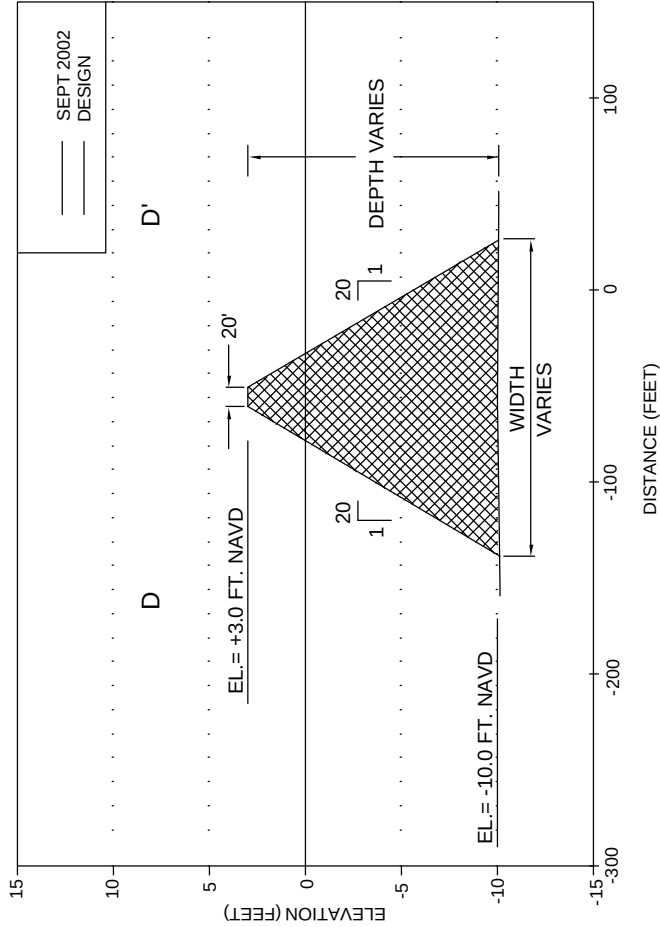
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CHALAND HEADLAND RESTORATION
(BA-38-2) CWPRA PROJECT
BREACH CLOSURE CUT PROFILE C-C'



TYPICAL BREACH CLOSURE CUT

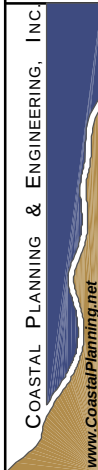
NOTE:

1. ELEVATIONS SHOWN HEREON ARE IN FEET
BASED ON NAVD 1988.
2. DEPTH AND WIDTH OF BREACH VARIES.

SCALE: 1"= 100' HORIZONTAL
1"=10' VERTICAL

REVISIONS		
DATE	BY	DESCRIPTION
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9/16/03	TW	PLAN VIEWS, SECTIONS
10/8/03	TW	PLAN VIEWS, SECTIONS

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CHALAND HEADLAND RESTORATION
(BA-38-2) CWPRA PROJECT
BREACH CLOSURE CUT PROFILE D-D'