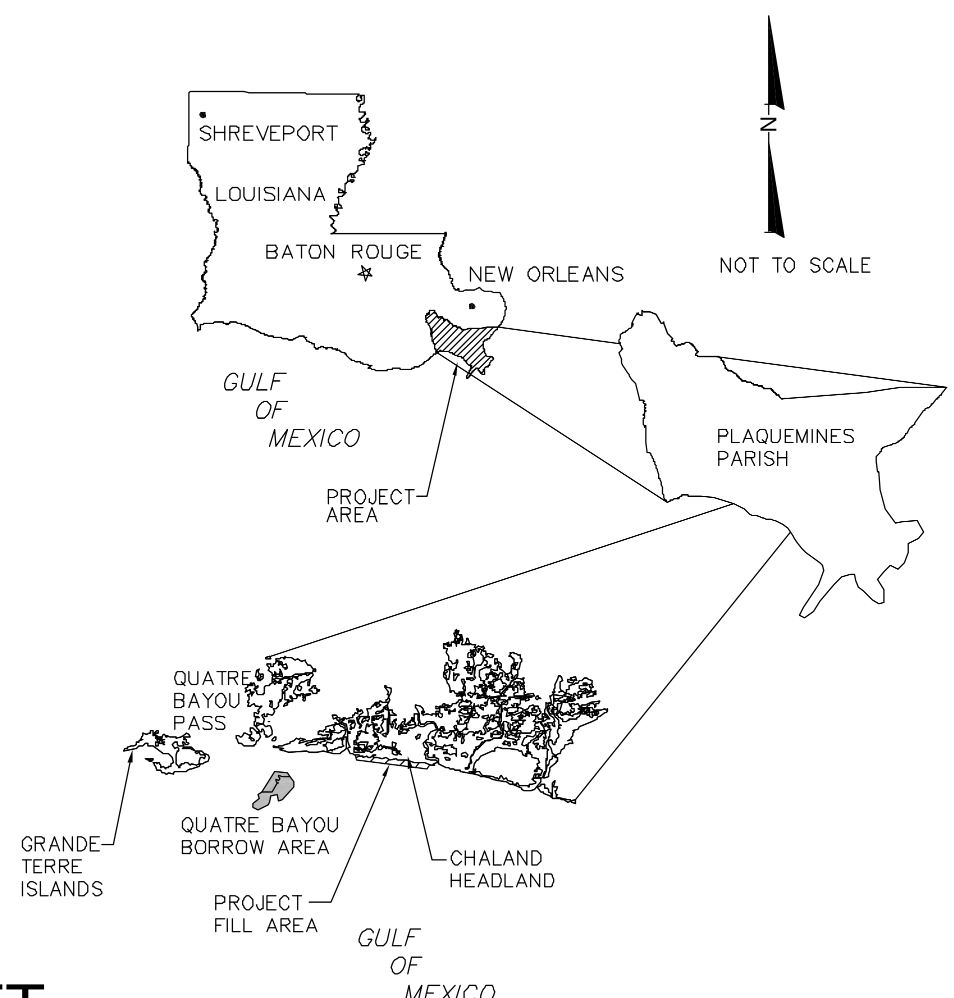
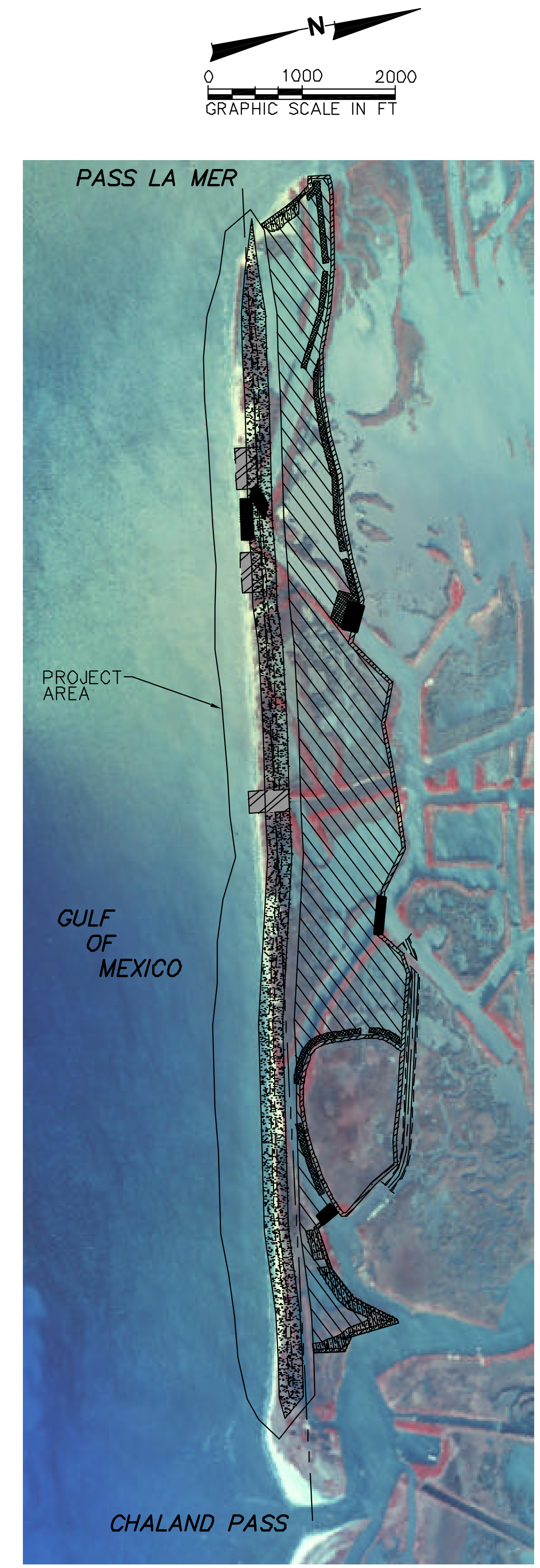
CHALAND HEADLAND RESTORATION
(BA-38-2)
CWPPRA PROJECT

CONTROL DATA

MONUMENT	EASTING	NORTHING	ELEVATION	DESCRIPTION
CG01	3774831.300	299096.300	N/A	Marker to be set by contractor.
CG02	3775311.700	299037.200	N/A	Marker to be set by contractor.
CG03PLM3	3775792.000	298978.100	N/A	Marker to be set by contractor.
CG04	3776272.400	298919.000	N/A	Marker to be set by contractor.
CG05	3776752.700	298859.900	N/A	Marker to be set by contractor.
CG06PLM4	3777233.000	298800.800	N/A	Marker to be set by contractor.
CG07	3777713.400	298741.700	N/A	Marker to be set by contractor.
CG08	3778193.700	298682.600	N/A	Marker to be set by contractor.
CG09PLM5	3778674.000	298623.500	N/A	Marker to be set by contractor.
CG10	3779154.400	298564.400	N/A	Marker to be set by contractor.
CG11	3779634.700	298505.300	N/A	Marker to be set by contractor.
CG12PLM6	3780115.000	298446.200	N/A	Marker to be set by contractor.
CG13	3780595.400	298387.100	N/A	Marker to be set by contractor.
CG14	3781075.700	298328.000	N/A	Marker to be set by contractor.
CG15PLM7	3781556.000	298268.900	N/A	Marker to be set by contractor.
CG16	3782036.700	298209.700	N/A	Marker to be set by contractor.
CG17	3782517.400	298150.600	N/A	Marker to be set by contractor.
CG18PLM8	3782998.000	298091.400	N/A	Marker to be set by contractor.
CG19	3783478.300	298032.300	N/A	Marker to be set by contractor.
CG20	3783958.600	297973.200	N/A	Marker to be set by contractor.
CG21PLM9	3784439.000	297914.100	N/A	Marker to be set by contractor.
CG22	3784919.300	297855.000	N/A	Marker to be set by contractor.
CG23	3785399.700	297796.000	N/A	Marker to be set by contractor.
CG24PLM10	3785880.000	297736.800	N/A	Marker to be set by contractor.
CG25	3786360.400	297677.800	N/A	Marker to be set by contractor.
CG26	3786840.700	297618.700	N/A	Marker to be set by contractor.
CG27PLM11	3787321.000	297559.500	N/A	Marker to be set by contractor.
CG28	3787801.100	297500.400	N/A	Marker to be set by contractor.
CG29	3788281.200	297441.400	N/A	Marker to be set by contractor.
CG30PLM12	3788761.300	297382.300	N/A	Marker to be set by contractor.
CG30.5CM60	3789001.300	297352.800	N/A	Marker to be set by contractor.
CG31	3789241.500	297323.200	N/A	Marker to be set by contractor.
CG31.5CM62	3789481.500	297293.700	N/A	Marker to be set by contractor.

State Plane, NAD83, Louisiana South - 1702, NAVD 1988, U.S. Survey Feet





TETRA TECH, INC.

DRAFT

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BOCA RATON, FLORIDA 33431
PH. (561) 391-8102
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FLA. #COA 4028
www.CoastalPlanning.net

No.	Date	Description

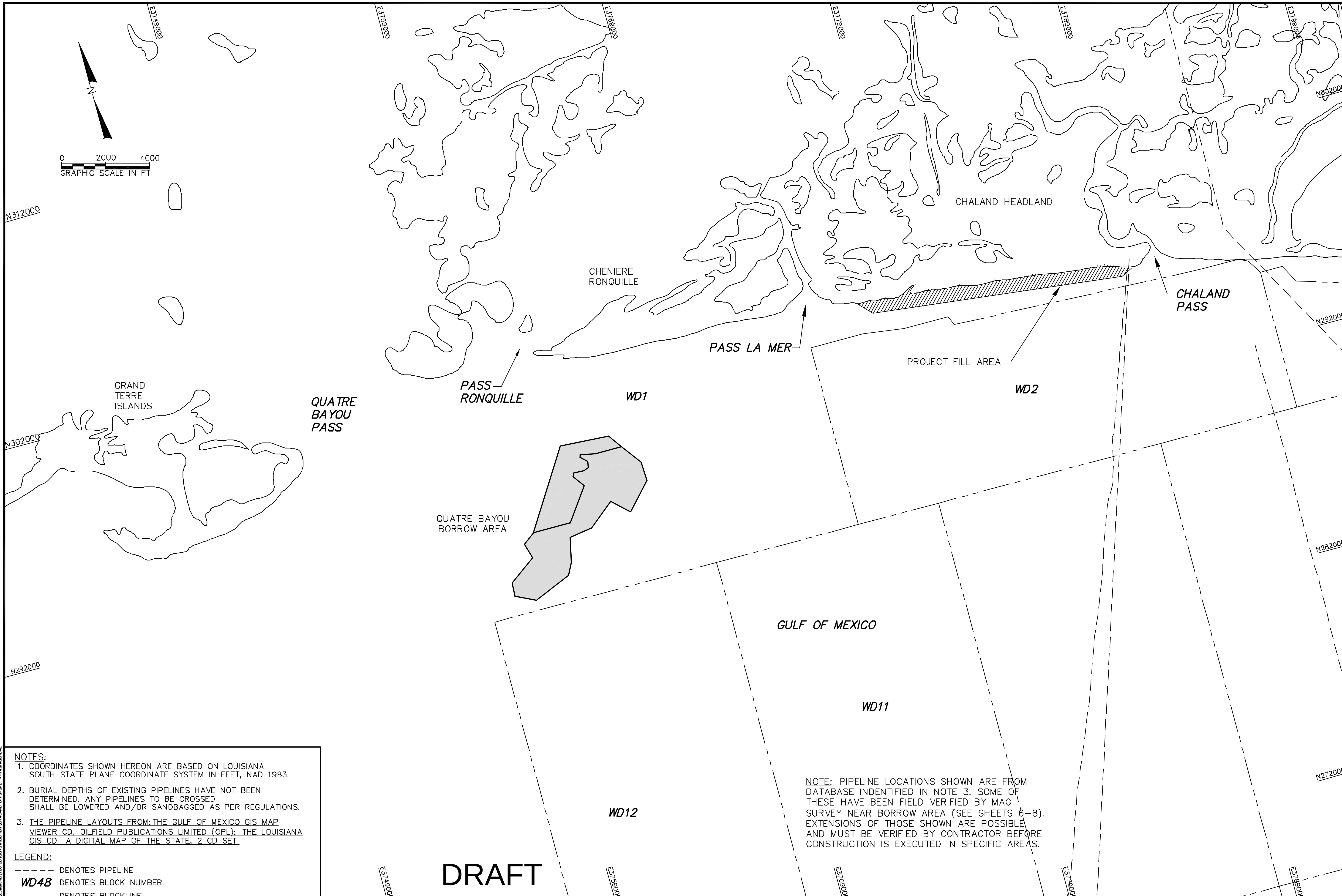
Reference Files: BORDERCHALAND.DWG	Designed by: MJ	Checked by: AB
	Drawn by: TW	Reviewed by: CD
	Date: 11/07/03	Submitted by: MJ
	Plot Scale: 1"=1000'	Comm. No.: 7261.00

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

COVER SHEET

DRAWING NO.

CS



NOTES:

1. COORDINATES SHOWN HEREON ARE BASED ON LOUISIANA SOUTH STATE PLANE COORDINATE SYSTEM IN FEET, NAD 1983.
2. BURIAL DEPTHS OF EXISTING PIPELINES HAVE NOT BEEN DETERMINED. ANY PIPELINES TO BE CROSSED SHALL BE LOWERED AND/OR SANDBAGGED AS PER REGULATIONS.
3. THE PIPELINE LAYOUTS FROM: THE GULF OF MEXICO GIS MAP VIEWER CD, OILFIELD PUBLICATIONS LIMITED (OPL); THE LOUISIANA GIS CD: A DIGITAL MAP OF THE STATE, 2 CD SET

LEGEND:

- – – – – – DENOTES PIPELINE
- WD48 DENOTES BLOCK NUMBER
- —— – – —— DENOTES BLOCKLINE

H:\Louisiana\726100\CONSTRUCTION\CHALAND OFFSHORE INFRASTRUCTURE

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No.	Date	Description

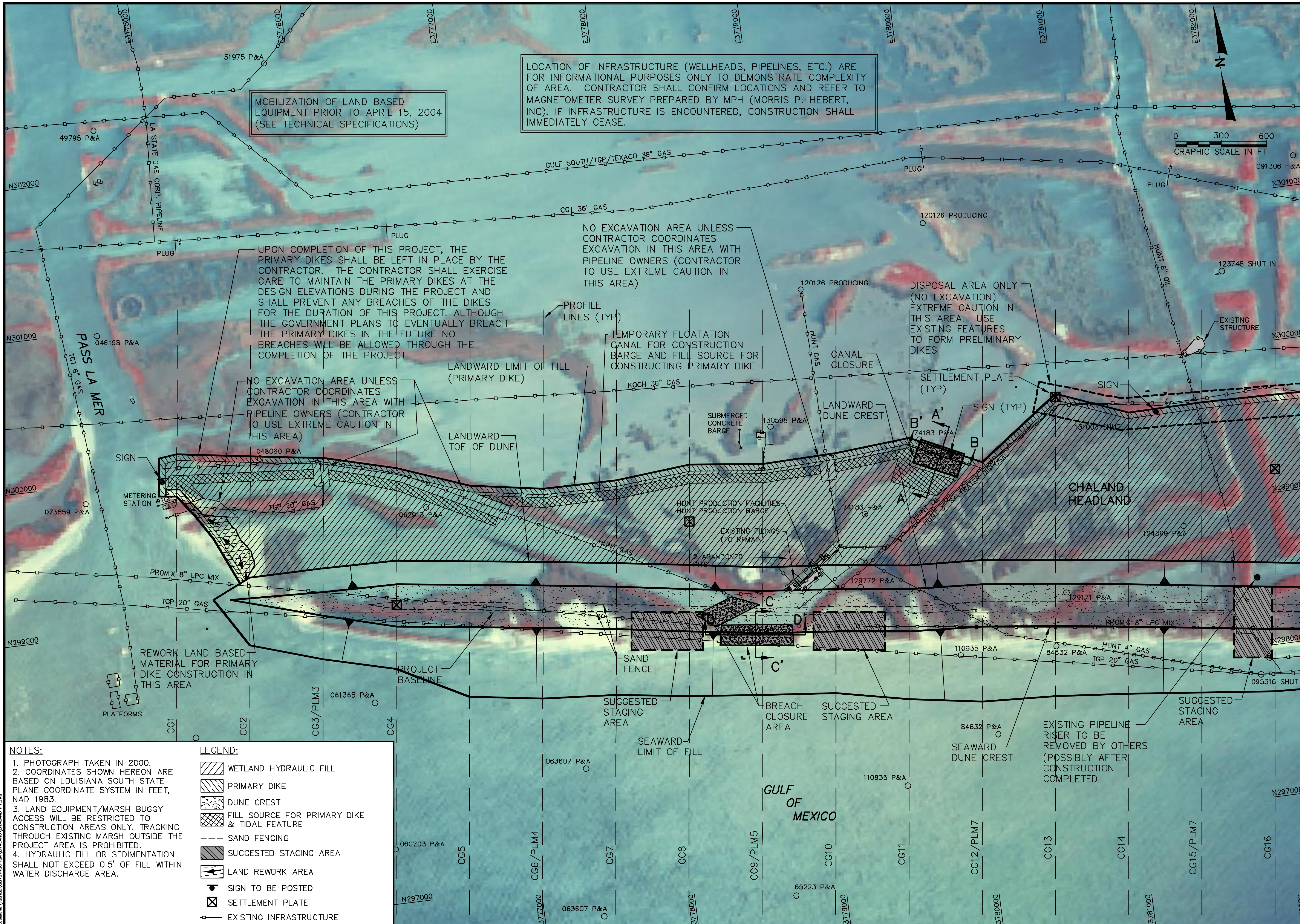
Reference Files:	Designed by: MJ	Checked by: AB
	Drawn by: TW	Reviewed by: CD
	Date: 11/07/03	Submitted by: MJ
	Plot Scale: 1"=2000'	Comm. No.: 7261.00

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

OFFSHORE INFRASTRUCTURE
PLAN VIEW

DRAWING NO.

LO-1



NOTES:

1. PHOTOGRAPH TAKEN IN 2000.
2. COORDINATES SHOWN HEREON ARE BASED ON LOUISIANA SOUTH STATE PLANE COORDINATE SYSTEM IN FEET, NAD 1983.
3. LAND EQUIPMENT/MARSH BUGGY ACCESS WILL BE RESTRICTED TO CONSTRUCTION AREAS ONLY. TRACKING THROUGH EXISTING MARSH OUTSIDE THE PROJECT AREA IS PROHIBITED.
4. HYDRAULIC FILL OR SEDIMENTATION SHALL NOT EXCEED 0.5' OF FILL WITHIN WATER DISCHARGE AREA.

LEGEND:

- WETLAND HYDRAULIC FILL
- PRIMARY DIKE
- DUNE CREST
- FILL SOURCE FOR PRIMARY DIKE & TIDAL FEATURE
- SAND FENCING
- SUGGESTED STAGING AREA
- LAND REWORK AREA
- SIGN TO BE POSTED
- SETTLEMENT PLATE
- EXISTING INFRASTRUCTURE

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No.	Date	Description

Reference Files: BORDER/CHALAND/NG	Designed by: MJ	Checked by: AB	
	Drawn by: TW	Reviewed by: CD	
	Date: 11/07/03	Submitted by: MJ	
	Plot Scale: 1"=300'	Comm. No.: 7261.00	

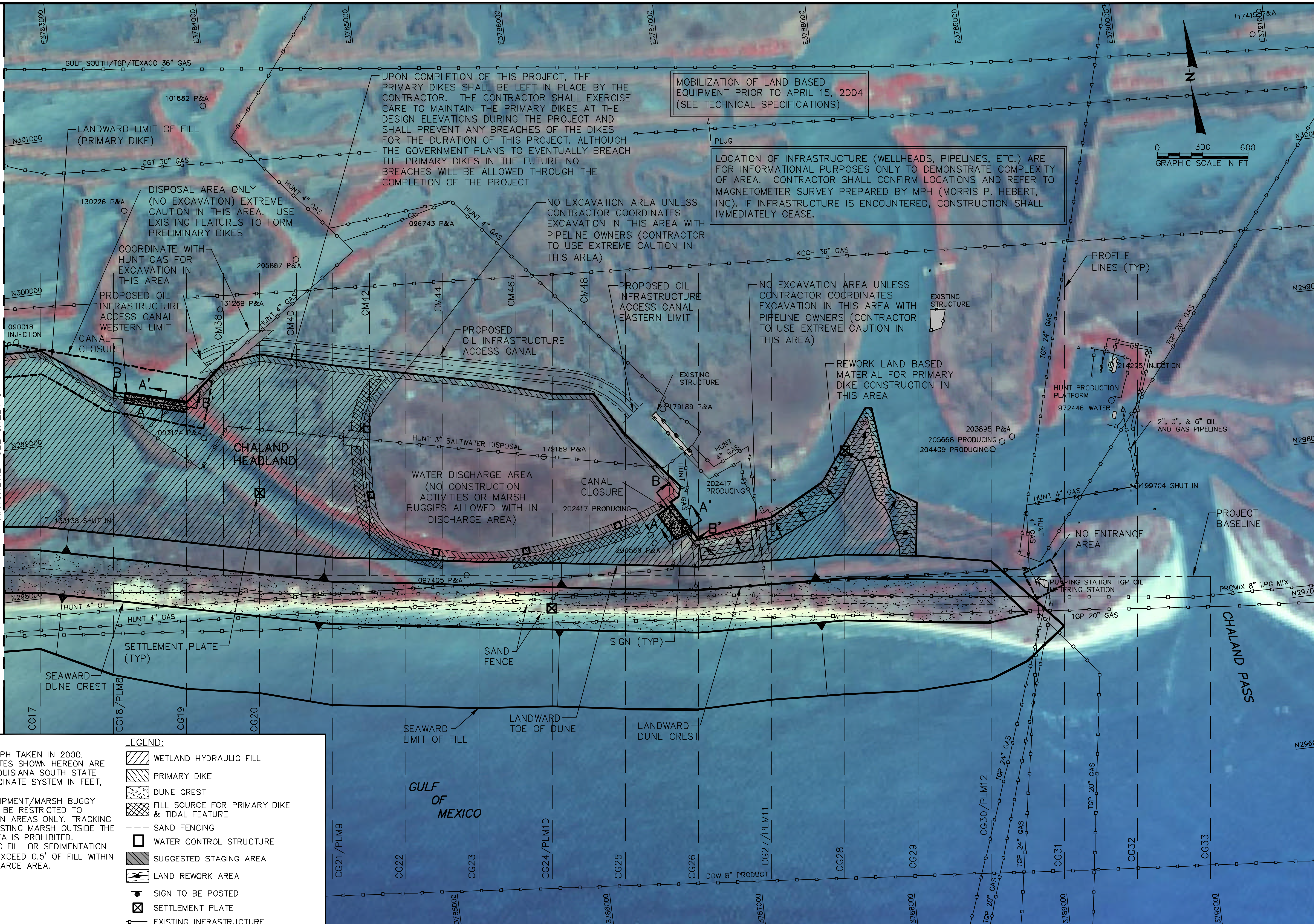
CHALAND HEADLAND RESTORATION (BA-38-2) CWPPRA PROJECT)

PLAN VIEW

DRAWING NO.

PV–1

H:\Louisiana\7261.00\CONSTRUCTION\CHALAND\CHALAND PV.DWG



NOTES:

1. PHOTOGRAPH TAKEN IN 2000.
2. COORDINATES SHOWN HEREON ARE BASED ON LOUISIANA SOUTH STATE PLANE COORDINATE SYSTEM IN FEET, NAD 1983.
3. LAND EQUIPMENT/MARSH BUGGY ACCESS WILL BE RESTRICTED TO CONSTRUCTION AREAS ONLY. TRACKING THROUGH EXISTING MARSH OUTSIDE THE PROJECT AREA IS PROHIBITED.
4. HYDRAULIC FILL OR SEDIMENTATION SHALL NOT EXCEED 0.5' OF FILL WITHIN WATER DISCHARGE AREA.

LEGEND:

- WETLAND HYDRAULIC FILL
- PRIMARY DIKE
- DUNE CREST
- FILL SOURCE FOR PRIMARY DIKE & TIDAL FEATURE
- SAND FENCING
- WATER CONTROL STRUCTURE
- SUGGESTED STAGING AREA
- LAND REWORK AREA
- SIGN TO BE POSTED
- SETTLEMENT PLATE
- EXISTING INFRASTRUCTURE

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Designed by: MJ	Checked by: KB	Reference Files:
Drawn by: TW	Reviewed by: CD	
Date: 11/07/03	Submitted by: MJ	
Plot Scale: 1"=300'	Comm. No.: 7261.00	

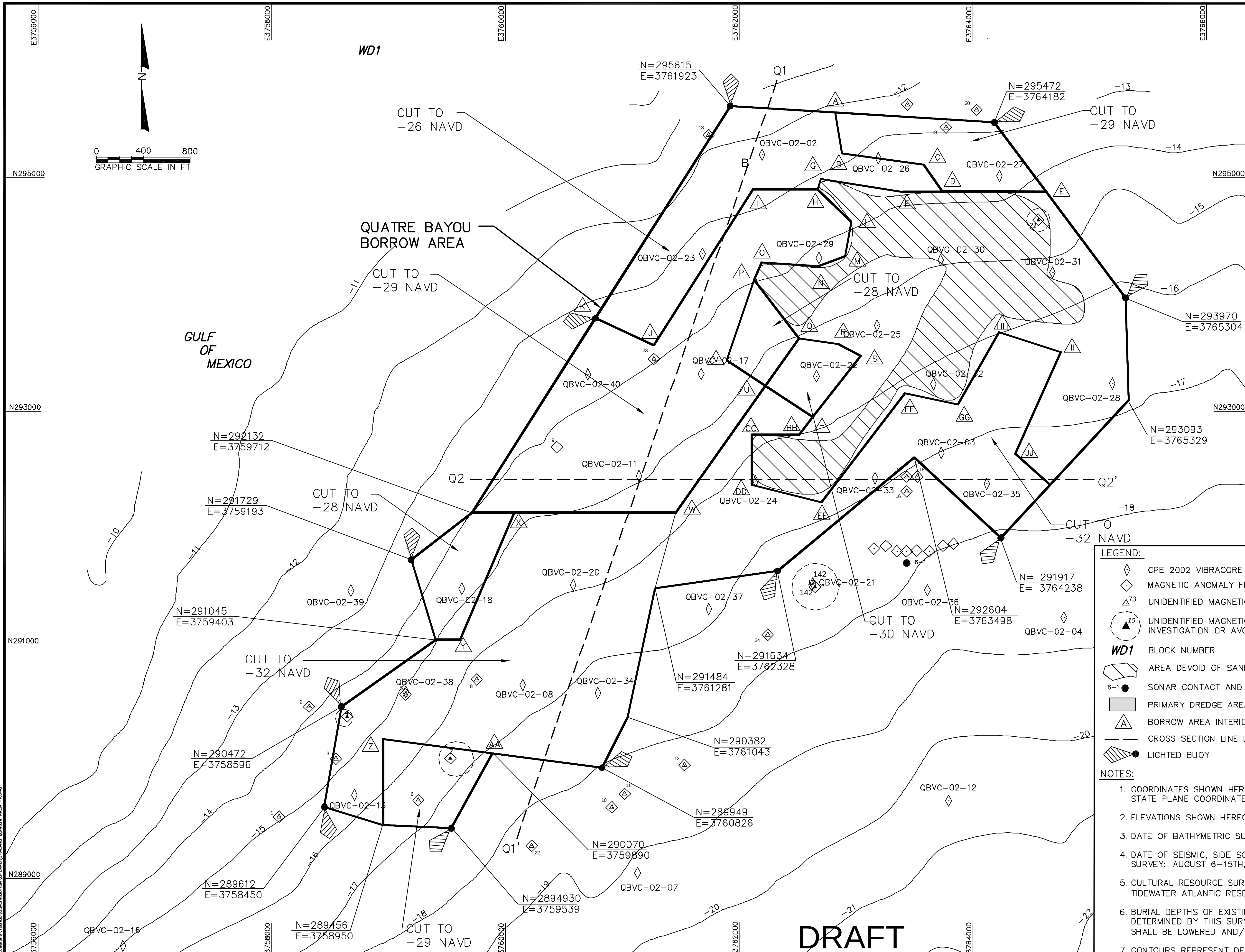
No.	Date	Description

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

PLAN VIEW

DRAWING NO.

PV-2



BORROW AREA-INTERIOR COORDINATE TABLE		
ID	X	Y
A	3762823	295558
B	3762879	295206
C	3763575	295110
D	3763740	294882
E	3764628	294876
F	3763402	294876
G	3762699	294991
H	3762673	294896
I	3762114	294896
J	3761270	293567
K	3760770	293797
L	3762957	294619
M	3762908	294328
N	3762679	294243
O	3762192	294276
P	3762127	294125
Q	3762512	293622
R	3762849	293577
S	3763041	293475
T	3762629	292950
U	3762225	293217
V	3761893	293435
W	3761454	292132
X	3760073	292132
Y	3759612	291045
Z	3758950	290192
AA	3759891	290070
BB	3762511	292799
CC	3762104	292799
DD	3762104	292369
EE	3762706	292223
FF	3763416	293157
GG	3763874	293056
HH	3764225	293676
II	3764750	293507
JJ	3764364	292635

LEGEND:

- CPE 2002 VIBRACORE LOCATION
- MAGNETIC ANOMALY FROM CPE GEOTECHNICAL SURVEY
- 73 UNIDENTIFIED MAGNETIC ANOMALY WITH REFERENCE NUMBER
- 15 UNIDENTIFIED MAGNETIC ANOMALY RECOMMENDED FOR INVESTIGATION OR AVOIDANCE WITH REFERENCE NUMBER
- WD1 BLOCK NUMBER
- AREA DEVOID OF SAND
- 6-1 SONAR CONTACT AND SITE REFERENCE NUMBER
- PRIMARY DREDGE AREA
- A BORROW AREA INTERIOR COORDINATE ID LABEL
- CROSS SECTION LINE LOCATION
- LIGHTED BUOY

NOTES:

1. COORDINATES SHOWN HEREON ARE BASED ON LOUISIANA SOUTH STATE PLANE COORDINATE SYSTEM, NAD 1983.
2. ELEVATIONS SHOWN HEREON ARE IN FEET BASED ON NAVD 1988.
3. DATE OF BATHYMETRIC SURVEY: JULY 2003 CONDUCTED BY CPE.
4. DATE OF SEISMIC, SIDE SCAN SONAR, AND MAGNETOMETER SURVEY: AUGUST 6-15TH, 2003 CONDUCTED BY CPE.
5. CULTURAL RESOURCE SURVEY CONDUCTED MAY 23-25, 2003 BY TIDEWATER ATLANTIC RESEARCH (TAR) AND CPE.
6. BURIAL DEPTHS OF EXISTING PIPELINES COULD NOT BE DETERMINED BY THIS SURVEY. ANY PIPELINES TO BE CROSSED SHALL BE LOWERED AND/OR SANDBAGGED AS PER REGULATIONS.
7. CONTOURS REPRESENT DEPTH OF WATER.

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No.	Date	Description

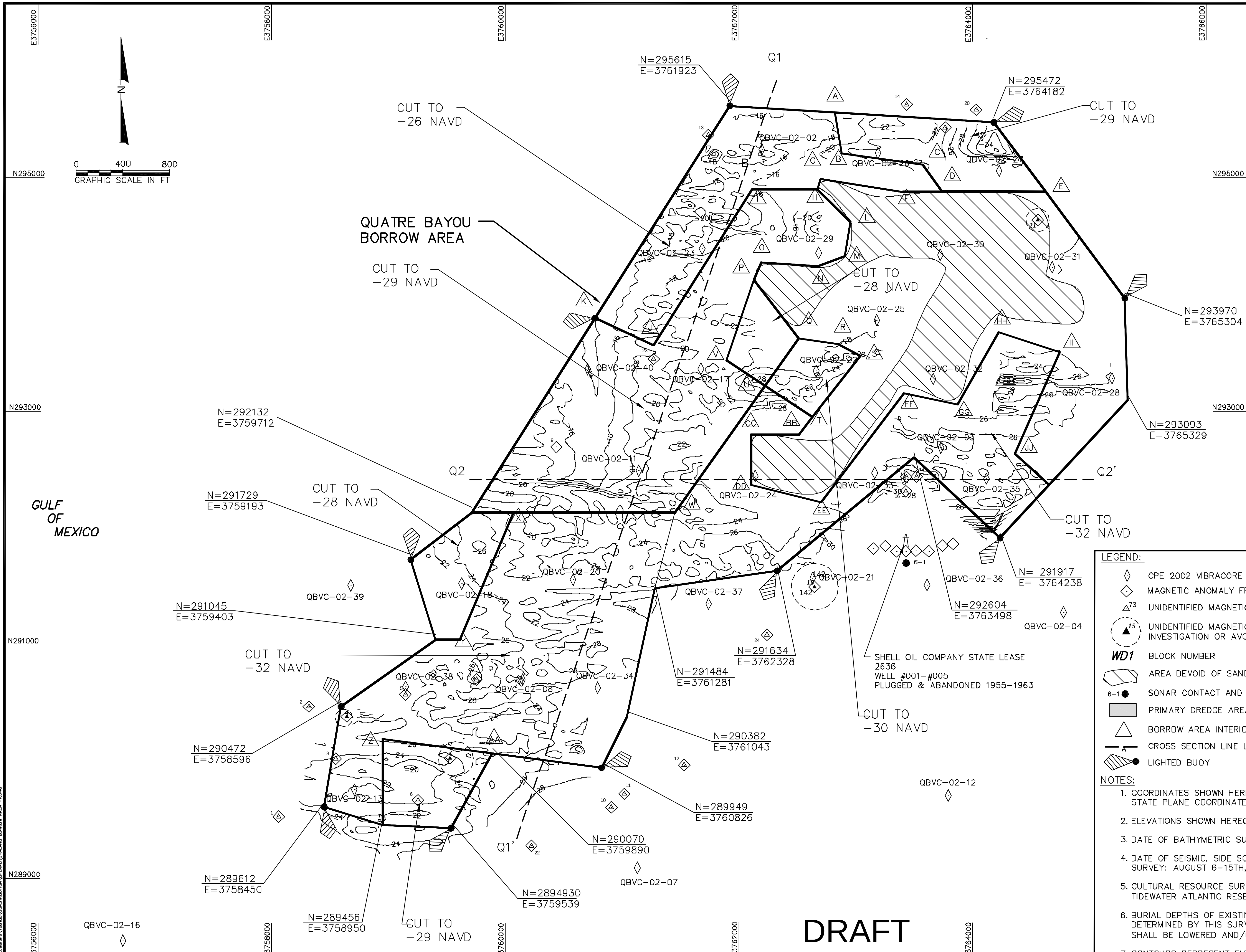
Reference Files: BORROWCHALANDNG
Designed by: MJ
Checked by: AB
Drawn by: AMB
Reviewed by: CD
Date: 11/07/03
Submitted by: MJ
Plot Scale: 1"=400'
Comm. No.: 7261.00

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

QUATRE BAYOU BORROW AREA BATHYMETRY

DRAWING NO.

BA-1



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EE	3762706	292223
FF	3763416	293157
GG	3763874	293056
HH	3764225	293676
II	3764750	293507
JJ	3764364	292635

LEGEND:

- CPE 2002 VIBRACORE LOCATION
- MAGNETIC ANOMALY FROM CPE GEOTECHNICAL SURVEY
- 73 UNIDENTIFIED MAGNETIC ANOMALY WITH REFERENCE NUMBER
- 15 UNIDENTIFIED MAGNETIC ANOMALY RECOMMENDED FOR INVESTIGATION OR AVOIDANCE WITH REFERENCE NUMBER
- WD1 BLOCK NUMBER
- AREA DEVOID OF SAND
- 6-1 SONAR CONTACT AND SITE REFERENCE NUMBER
- PRIMARY DREDGE AREA
- BORROW AREA INTERIOR COORDINATE ID LABEL
- A CROSS SECTION LINE LOCATION
- LIGHTED BUOY

NOTES:

1. COORDINATES SHOWN HEREON ARE BASED ON LOUISIANA SOUTH STATE PLANE COORDINATE SYSTEM, NAD 1983.
2. ELEVATIONS SHOWN HEREON ARE IN FEET BASED ON NAVD 1988.
3. DATE OF BATHYMETRIC SURVEY: JULY 2003 CONDUCTED BY CPE.
4. DATE OF SEISMIC, SIDE SCAN SONAR, AND MAGNETOMETER SURVEY: AUGUST 6-15TH, 2003 CONDUCTED BY CPE.
5. CULTURAL RESOURCE SURVEY CONDUCTED MAY 23-25, 2003 BY TIDEWATER ATLANTIC RESEARCH (TAR) AND CPE.
6. BURIAL DEPTHS OF EXISTING PIPELINES COULD NOT BE DETERMINED BY THIS SURVEY. ANY PIPELINES TO BE CROSSED SHALL BE LOWERED AND/OR SANDBAGGED AS PER REGULATIONS.
7. CONTOURS REPRESENT ELEVATION OF TOP OF SAND LAYER.

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FLA. #COA 4028
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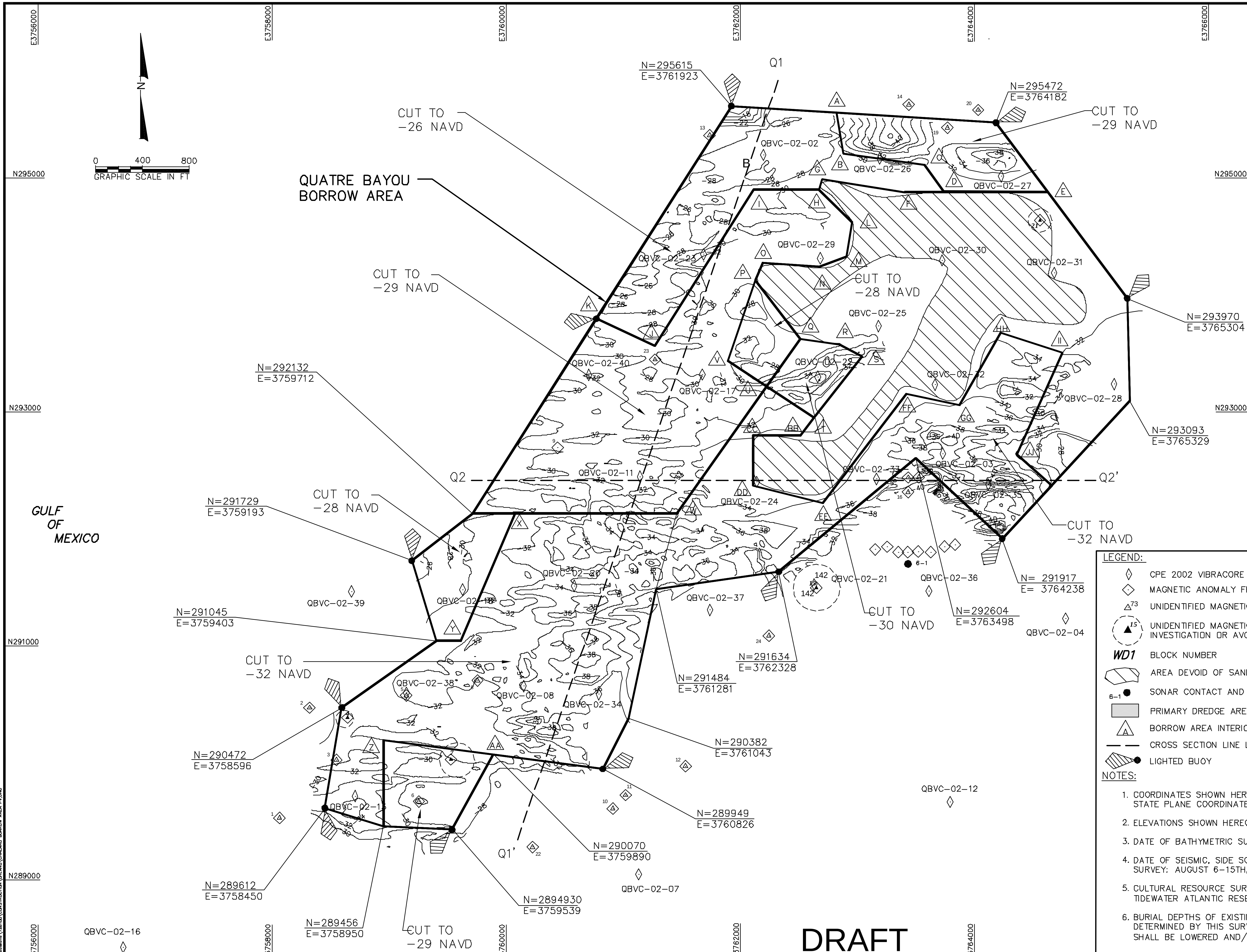
No.	Date	Description

Reference Files: [illegible]	Designed by: MJ	Checked by: AB	Reviewed by: CD
	Drawn by: XXX	Submitted by: MJ	
	Date: 11/07/03	Comm. No.: 7261.00	
	Plot Scale: 1"=400'		

CHALAND HEADLAND RESTORATION (BA-38-2)
CWPPRA PROJECT
QUATRE BAYOU BORROW AREA
ELEVATION OF SILT/CLAY - SAND INTERFACE CONTOUR MAP

DRAWING NO.
BA-2



BORROW AREA–INTERIOR COORDINATE TABLE

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V	3761893	293435
W	3761454	292132
X	3760073	292132
Y	3759612	291045
Z	3758950	290192
AA	3759891	290070
BB	3762511	292799
CC	3762104	292799
DD	3762104	292369
EE	3762706	292223
FF	3763416	293157
GG	3763874	293056
HH	3764225	293676
II	3764750	293507
JJ	3764364	292635

LEGEND:

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- MAGNETIC ANOMALY FROM CPE GEOTECHNICAL SURVEY
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- 15 UNIDENTIFIED MAGNETIC ANOMALY RECOMMENDED FOR INVESTIGATION OR AVOIDANCE WITH REFERENCE NUMBER
- WD1 BLOCK NUMBER
- AREA DEVOID OF SAND
- 6-1 SONAR CONTACT AND SITE REFERENCE NUMBER
- PRIMARY DREDGE AREA
- A BORROW AREA INTERIOR COORDINATE ID LABEL
- CROSS SECTION LINE LOCATION
- LIGHTED BUOY

NOTES:

1. COORDINATES SHOWN HEREON ARE BASED ON LOUISIANA SOUTH STATE PLANE COORDINATE SYSTEM, NAD 1983.
2. ELEVATIONS SHOWN HEREON ARE IN FEET BASED ON NAVD 1988.
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7. CONTOURS REPRESENT BOTTOM OF SAND.

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No.	Date	Description

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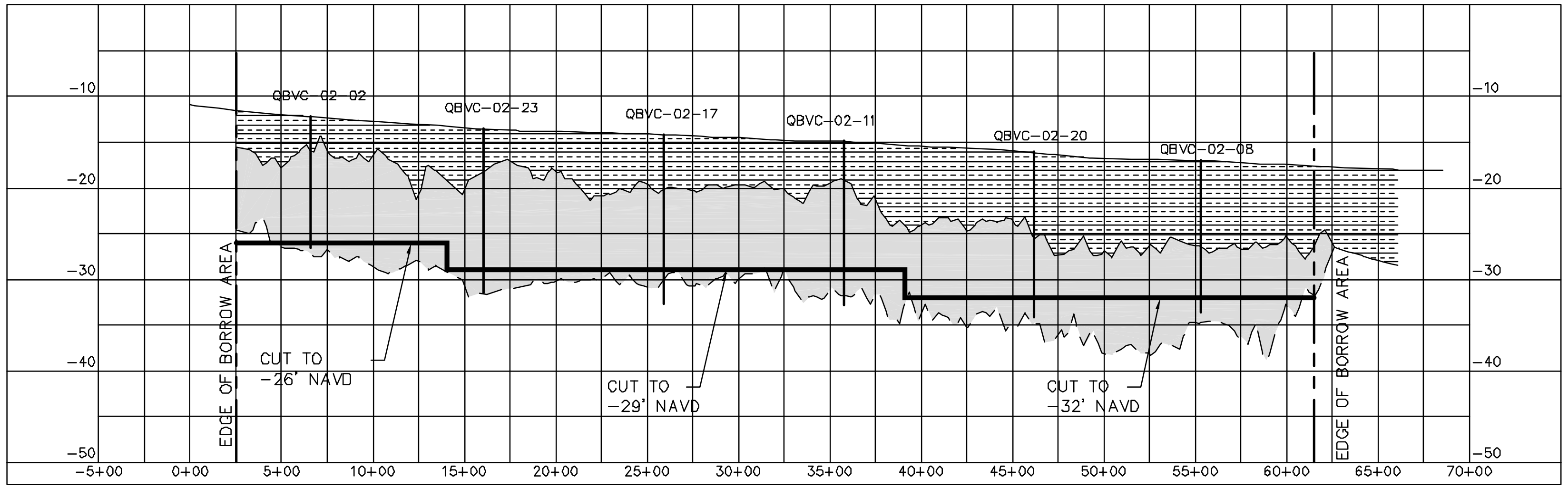
	Date: 11/07/03	Submitted by: MJ
	Plot Scale: 1"=400'	Comm. No.: 7261.00

CHALAND HEADLAND RESTORATION (BA–38–2) CWPPRA PROJECT)
QUATRE BAYOU BORROW AREA
BOTTOM ELEVATION OF SAND
CONTOUR MAP

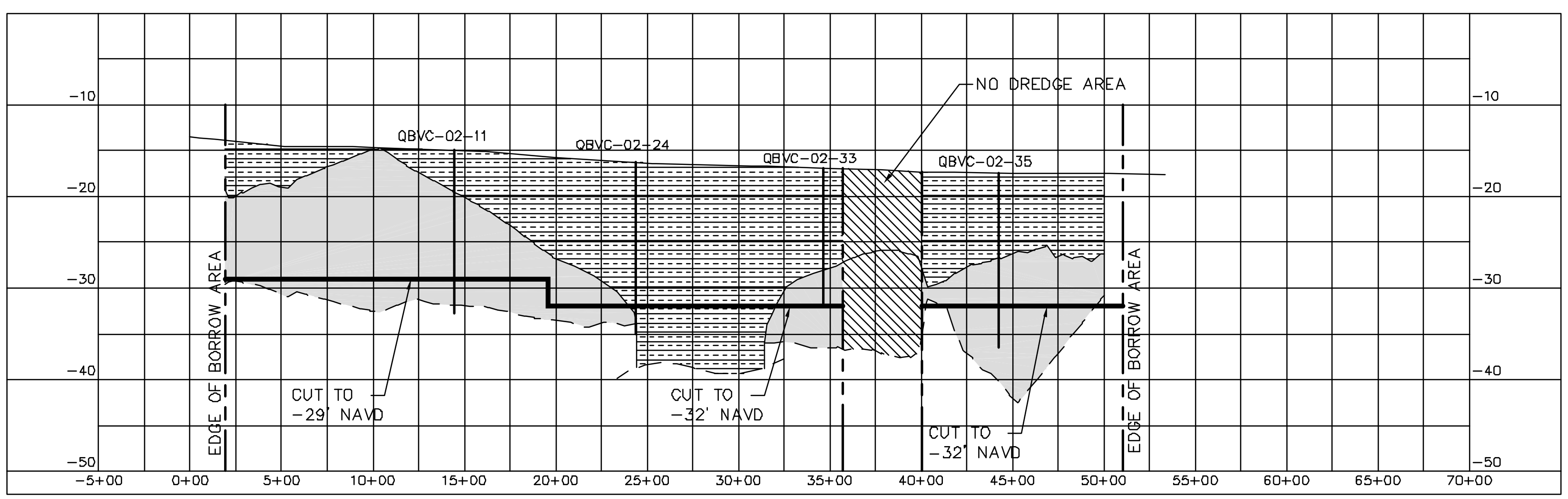
DRAWING NO.

BA–3

QUATRE BAYOU BORROW AREA
CROSS SECTION Q1-1'



QUATRE BAYOU BORROW AREA
CROSS SECTION Q2-2'



NOTES:
1. CORES MAY NOT FALL DIRECTLY ON CROSS SECTION LINE.
2. VERTICAL THICKNESS OF LAYERS IS REPRESENTATIVE ONLY. ACTUAL MATERIAL MAY VARY.
3. SEE SHEETS 6-8 FOR LOCATION OF CROSS SECTION LINES
4. ELEVATIONS SHOWN HEREON ARE IN FEET BASED ON NAVD 88.

LEGEND:

BEACH COMPATIBLE SEDIMENTS

SURFACE SILT/CLAY LAYER (TO BE USED FOR MARSH CONSTRUCTION)

NO DREDGE AREA - MAGNETIC ANOMALIES

INTERMITTENT ACCOUSTIC REFLECTOR WITHIN SAND DEPOSIT

DRAFT

SCALE: 1"=500' HORIZONTAL
1"=10' VERTICAL

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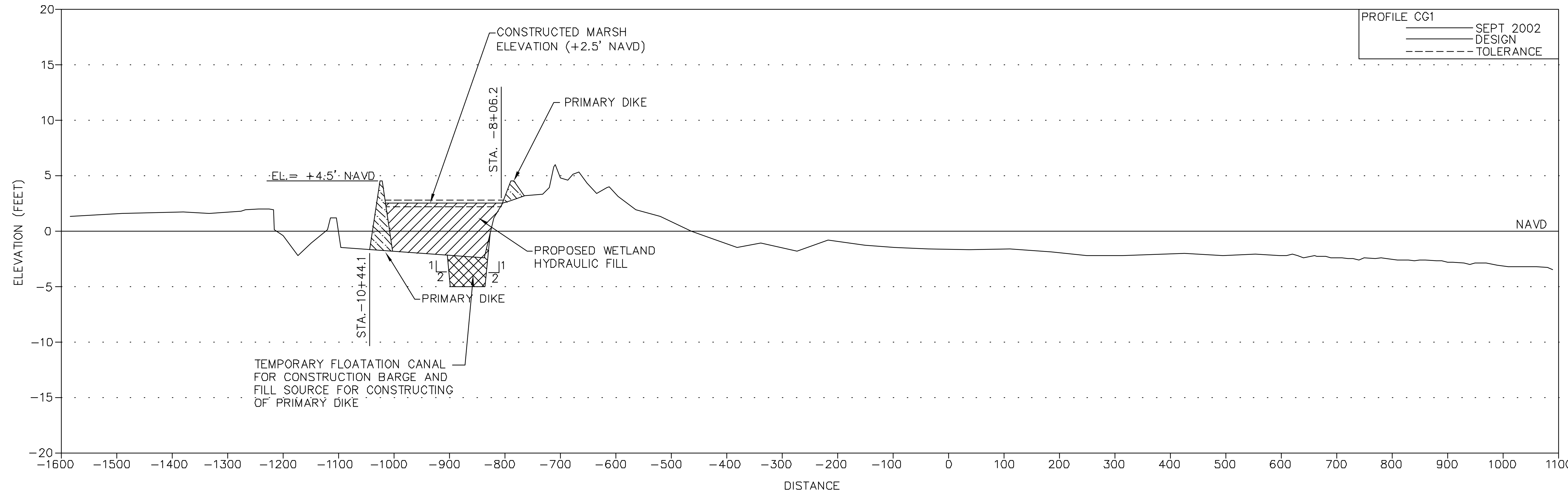
No.	Date	Description

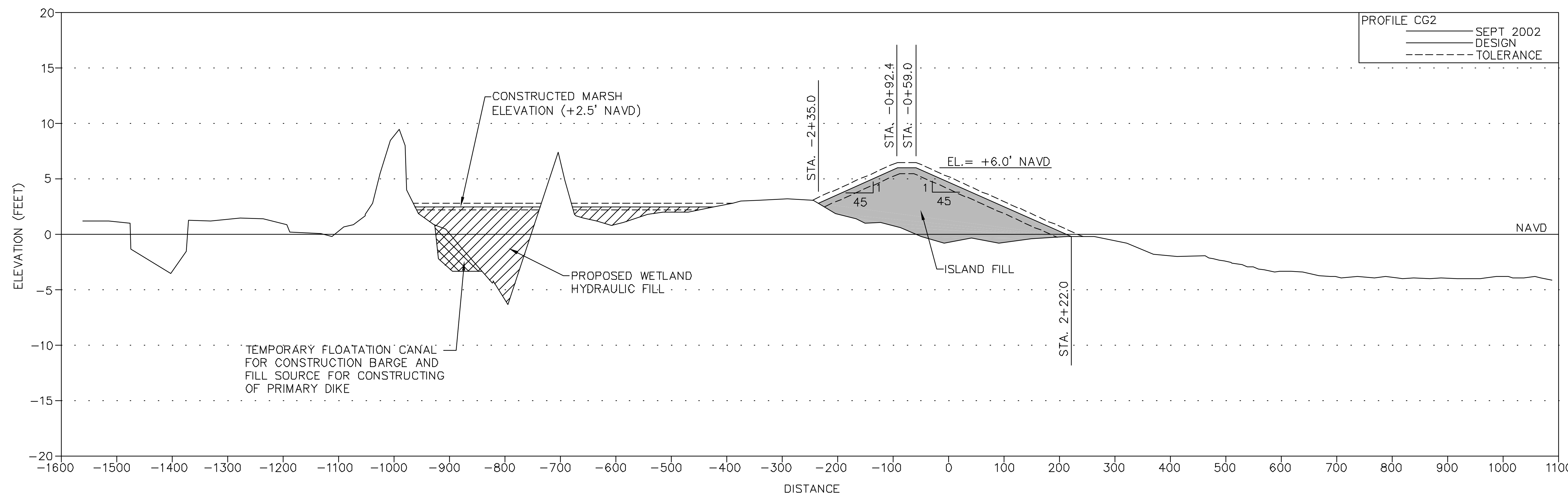
Reference Files:	Designed by: MJ	Checked by: AB
	Drawn by: TW	Reviewed by: CD
	Date: 11/07/03	Submitted by: MJ
	Plot Scale: AS NOTED	Comm. No.: 7261.00

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

QUATRE BAYOU BORROW AREA
CROSS SECTIONS

DRAWING NO.
BA-4





NOTES:

1. MARSH FILL TOLERANCE = 0.3 FEET.
2. ISLAND FILL TOLERANCE = 0.5 FEET.

DRAFT

SCALE: 1"= 100' HORIZONTAL
1"=5' VERTICAL

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Reference Files:	Designed by: MJ	Checked by: AB
	Drawn by: RDO	Reviewed by: CD
	Date: 11/07/03	Submitted by: MJ
	Plot Scale: AS NOTED	Comm. No.: 7261.00

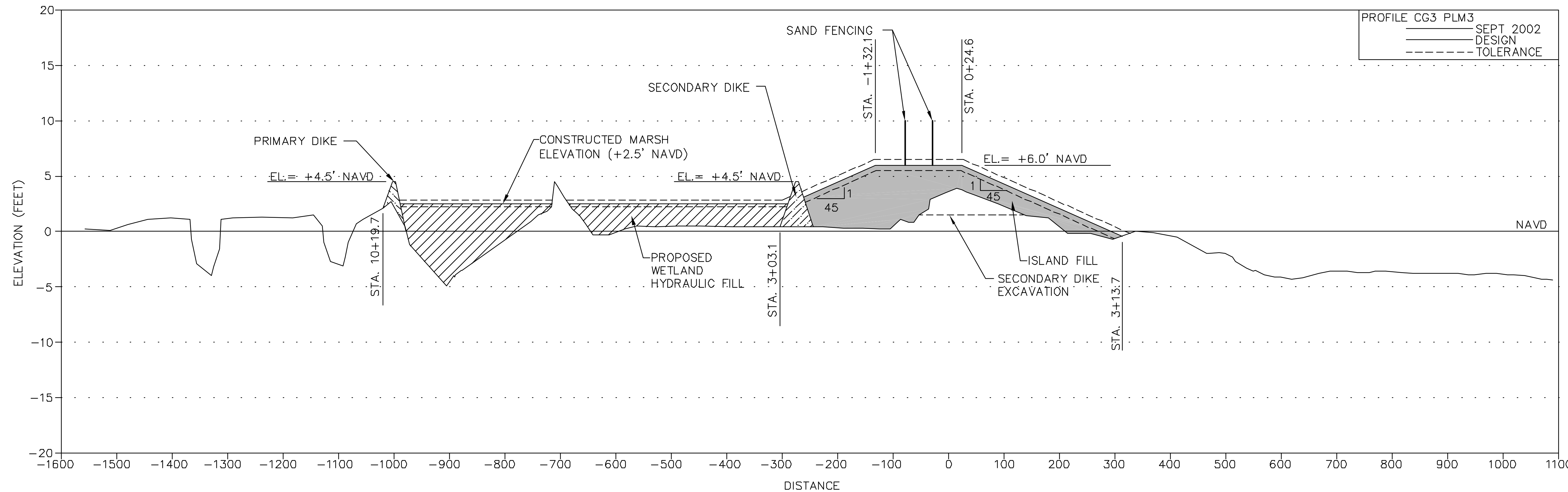
No.	Date	Description

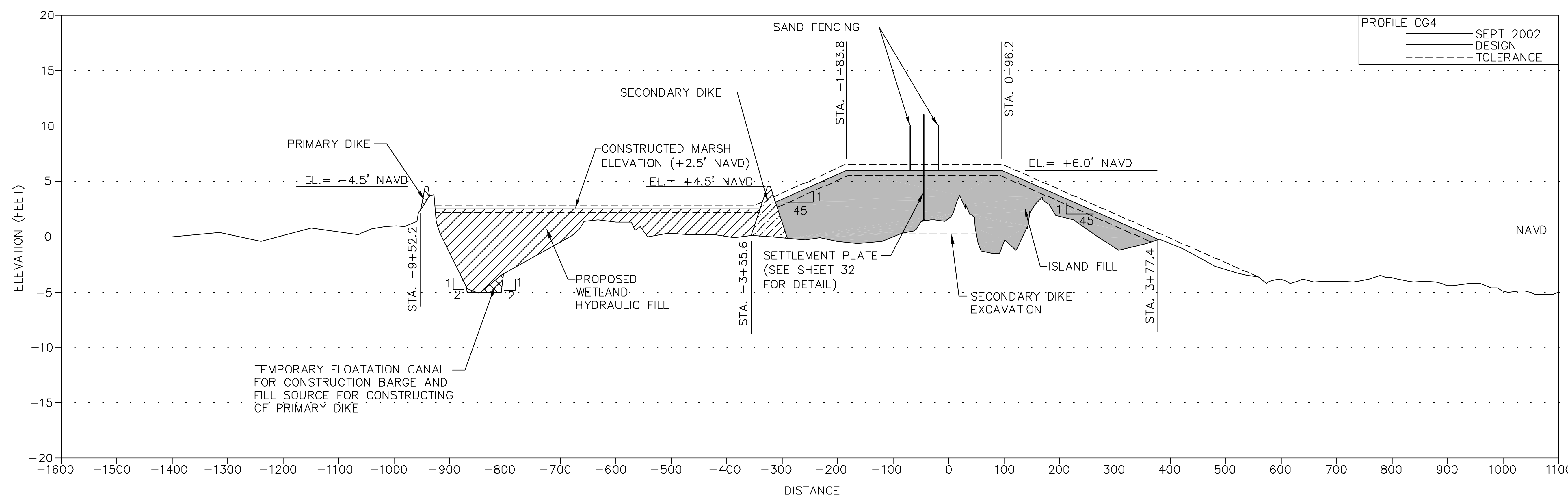
CHALAND HEADLAND RESTORATION
(BA-38-2)
CWPPRA PROJECT)

CROSS SECTIONS

DRAWING NO.

XS-1





NOTES:
1. MARSH FILL TOLERANCE = 0.3 FEET.
2. ISLAND FILL TOLERANCE = 0.5 FEET.

DRAFT

SCALE: 1'= 100' HORIZONTAL
1'=5' VERTICAL

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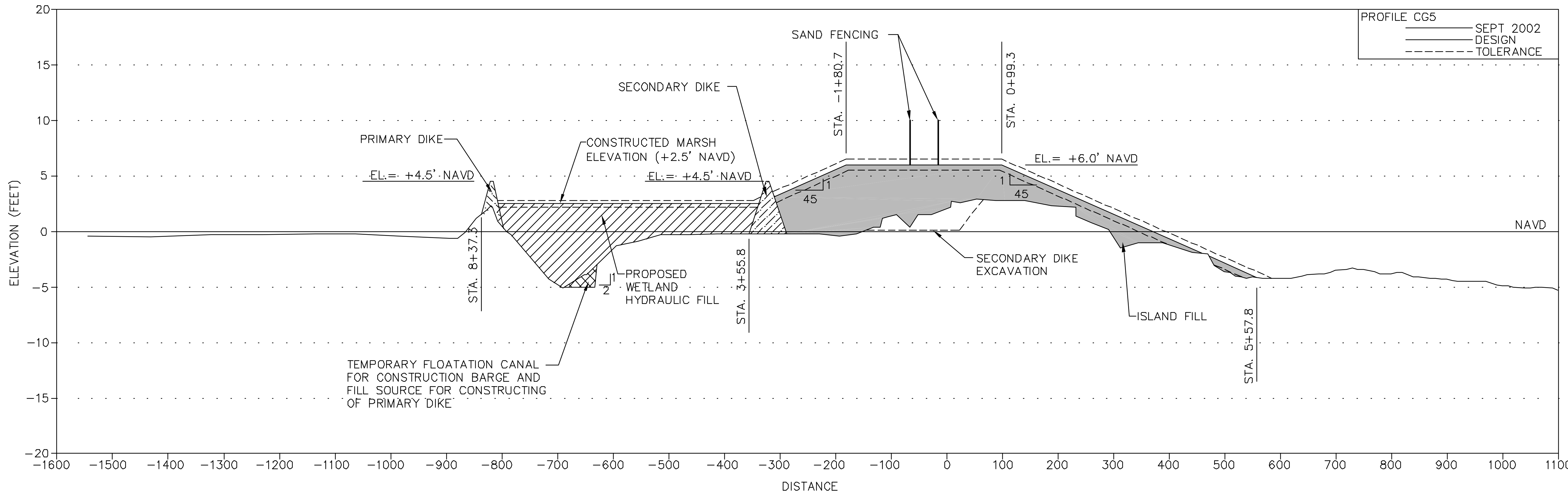
BOCA RATON, FLORIDA 33431
PH. (561) 391-8102
FAX (561) 391-9116
FLA. #COA 4028
www.CoastalPlanning.net

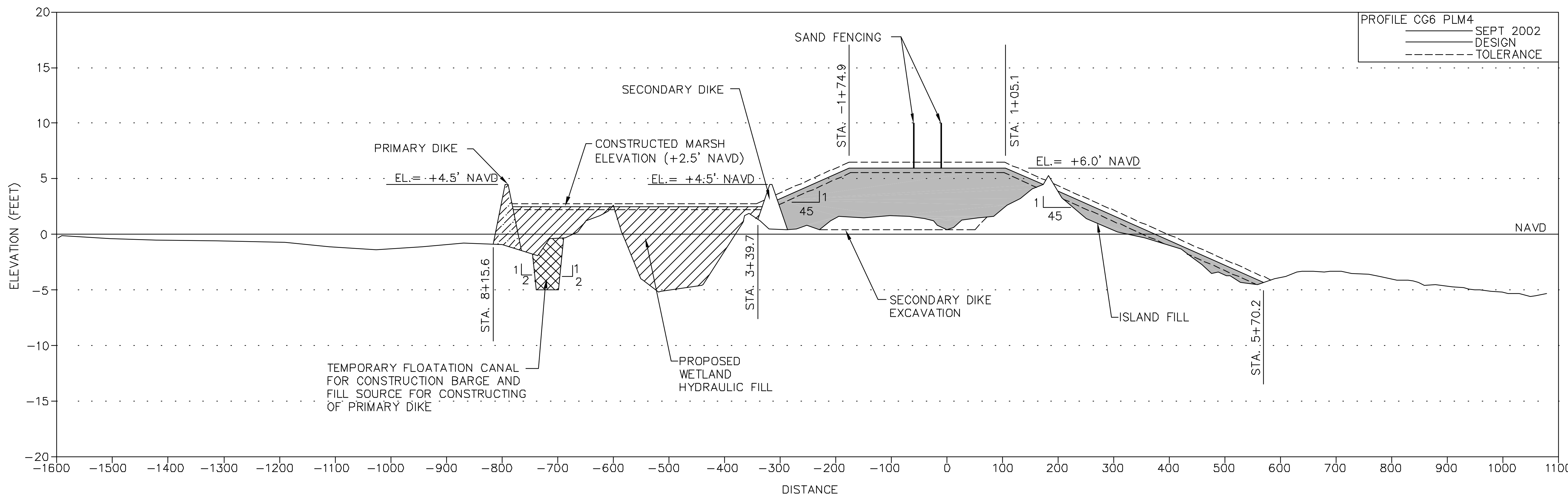
No.	Date	Description

Reference Files:
Designed by: MJ
Drawn by: TW
Date: 11/07/03
Plot Scale: AS NOTED
Checked by: AB
Reviewed by: CD
Submitted by: MJ
Comm. No.: 7261.00

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

DRAWING NO.
XS–2





NOTES:
1. MARSH FILL TOLERANCE = 0.3 FEET.
2. ISLAND FILL TOLERANCE = 0.5 FEET.

DRAFT

SCALE: 1"= 100' HORIZONTAL
1"=5' VERTICAL

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Reviewed by: CD
Date: 11/07/03
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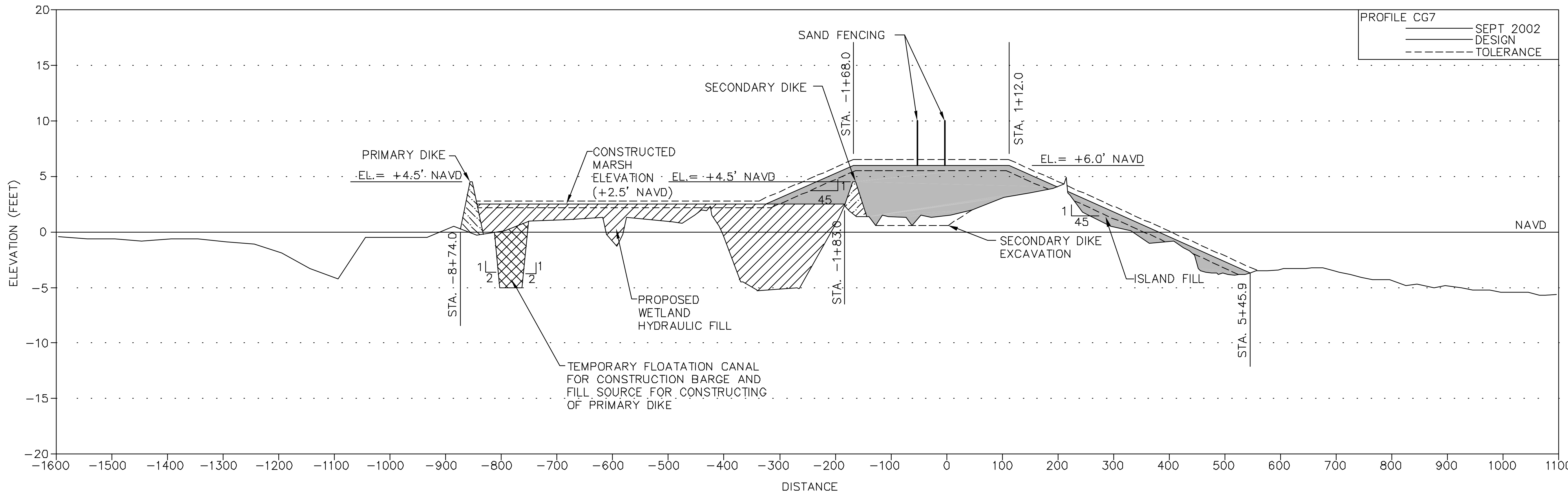
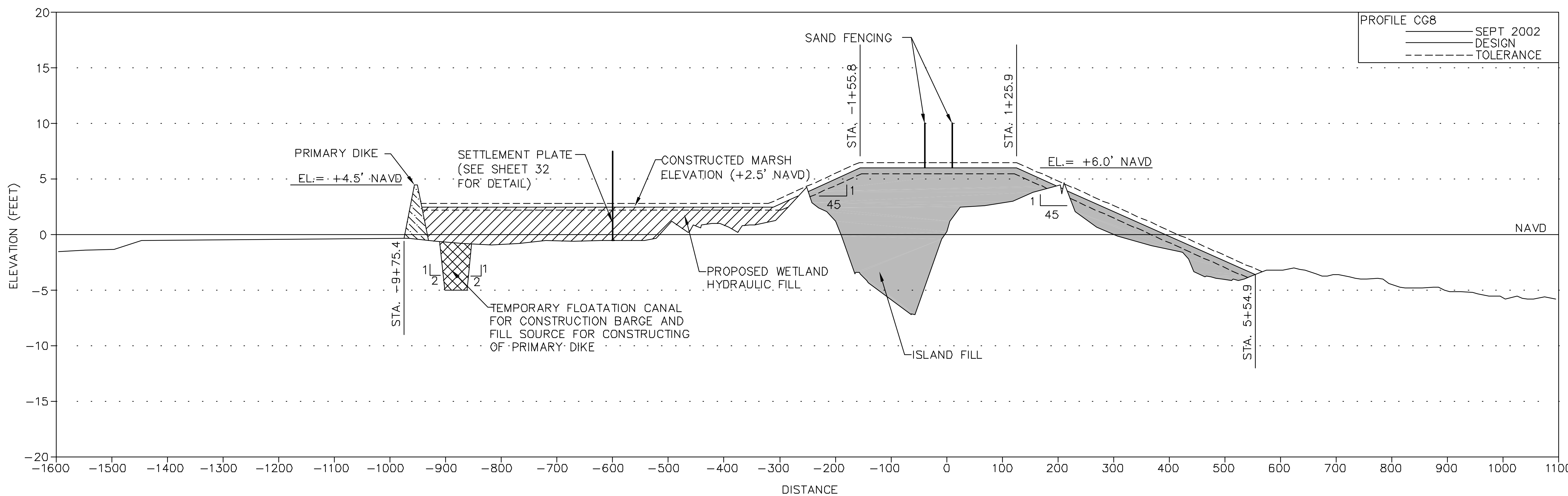
Plot Scale: AS NOTED
Comm. No.: 7261.00

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

DRAWING NO.
XS-3





NOTES:
1. MARSH FILL TOLERANCE = 0.3 FEET.
2. ISLAND FILL TOLERANCE = 0.5 FEET.

DRAFT

SCALE: 1"= 100' HORIZONTAL
1"=5' VERTICAL

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No.	Date	Description

Reference Files:
Designed by: MJ
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Date: 11/07/03
Plot Scale: AS NOTED
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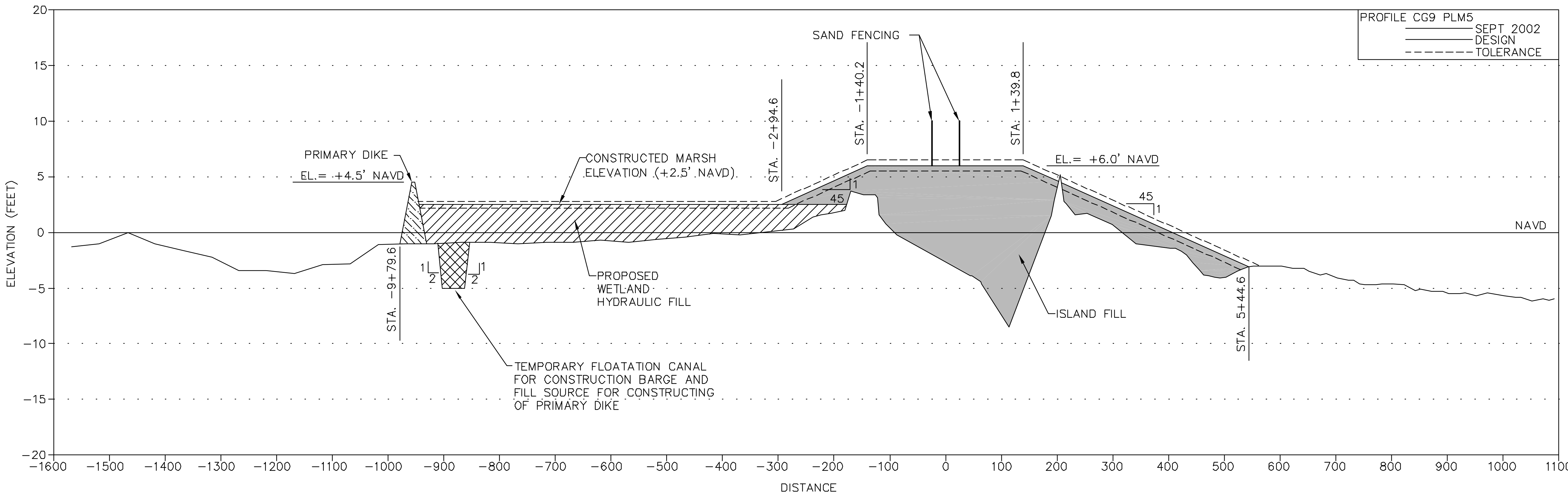
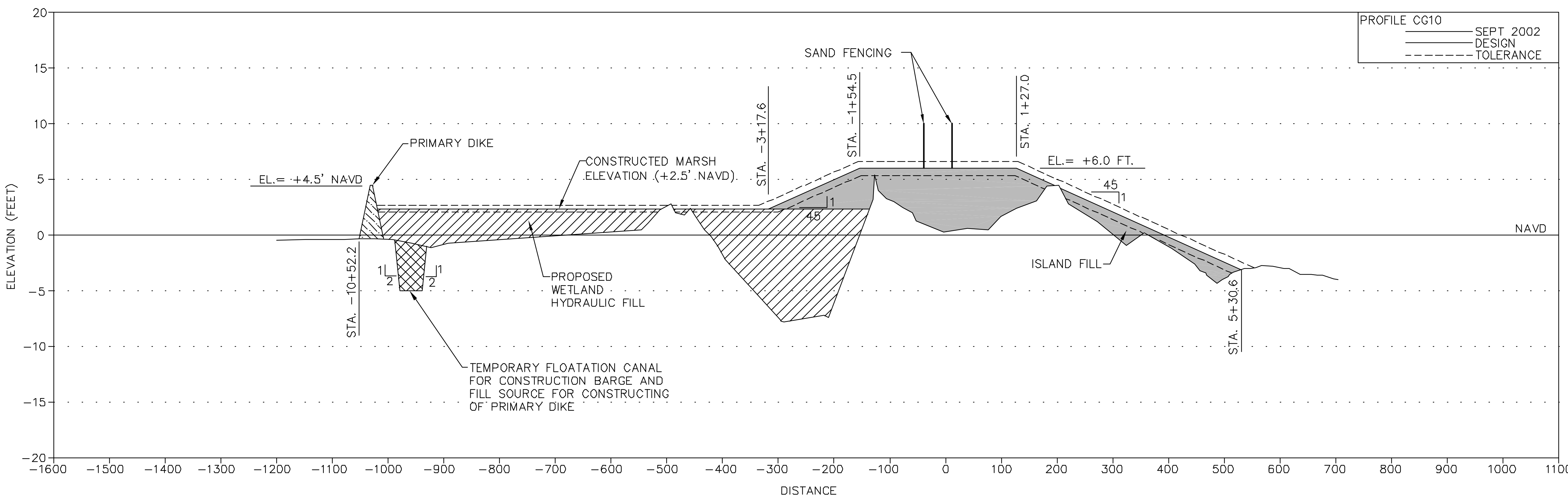
Reviewed by: CD
Submitted by: MJ
Comm. No.: 7261.00

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

DRAWING NO.
XS-4





NOTES:
1. MARSH FILL TOLERANCE = 0.3 FEET.
2. ISLAND FILL TOLERANCE = 0.5 FEET.

DRAFT

SCALE: 1"= 100' HORIZONTAL
1"=5' VERTICAL

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No.	Date	Description

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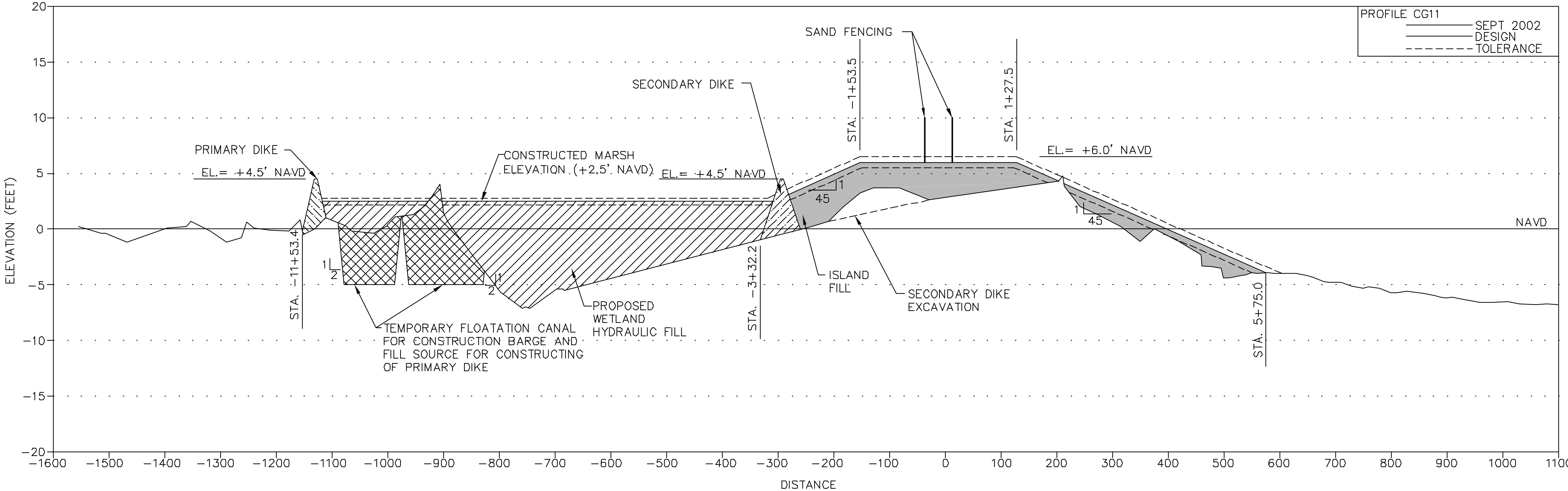
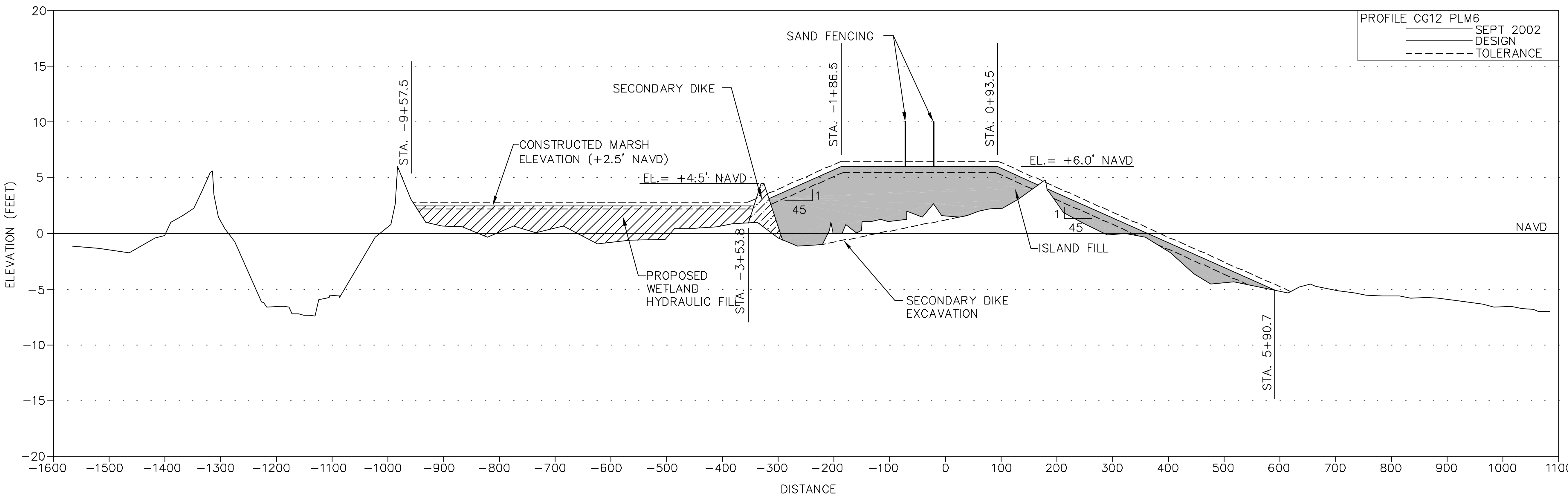
Date: 11/07/03 | Submitted by: MJ
Plot Scale: AS NOTED | Comm. No.: 7261.00

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

DRAWING NO.
XS-5





NOTES:
1. MARSH FILL TOLERANCE = 0.3 FEET.
2. ISLAND FILL TOLERANCE = 0.5 FEET.

DRAFT

SCALE: 1'= 100' HORIZONTAL
1'=5' VERTICAL

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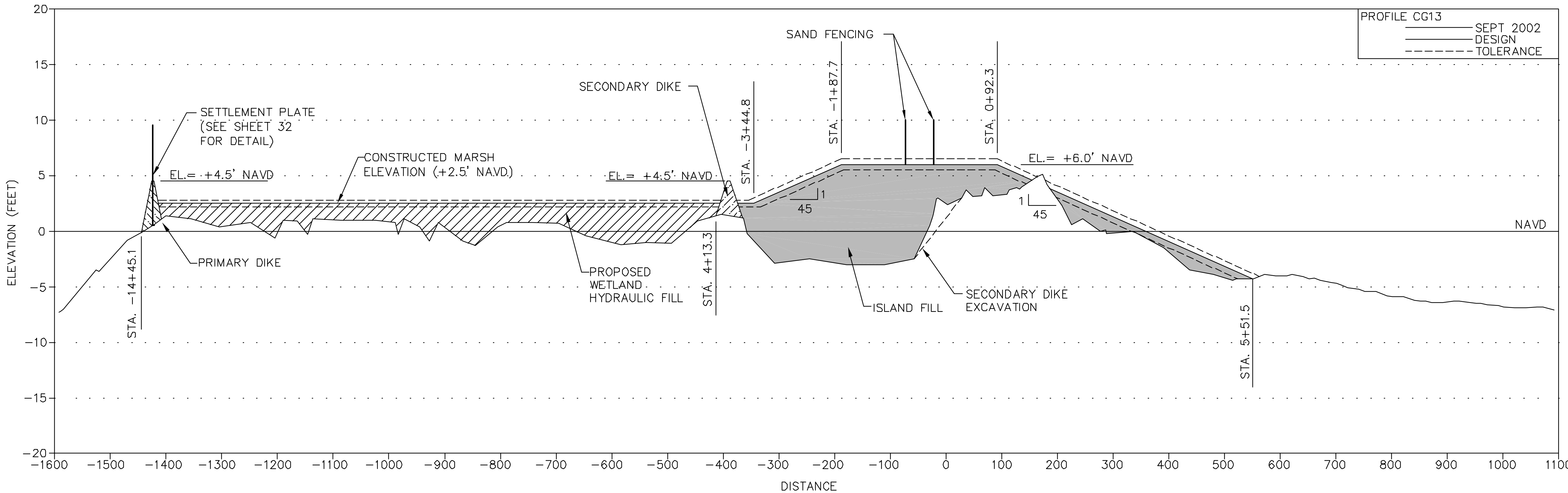
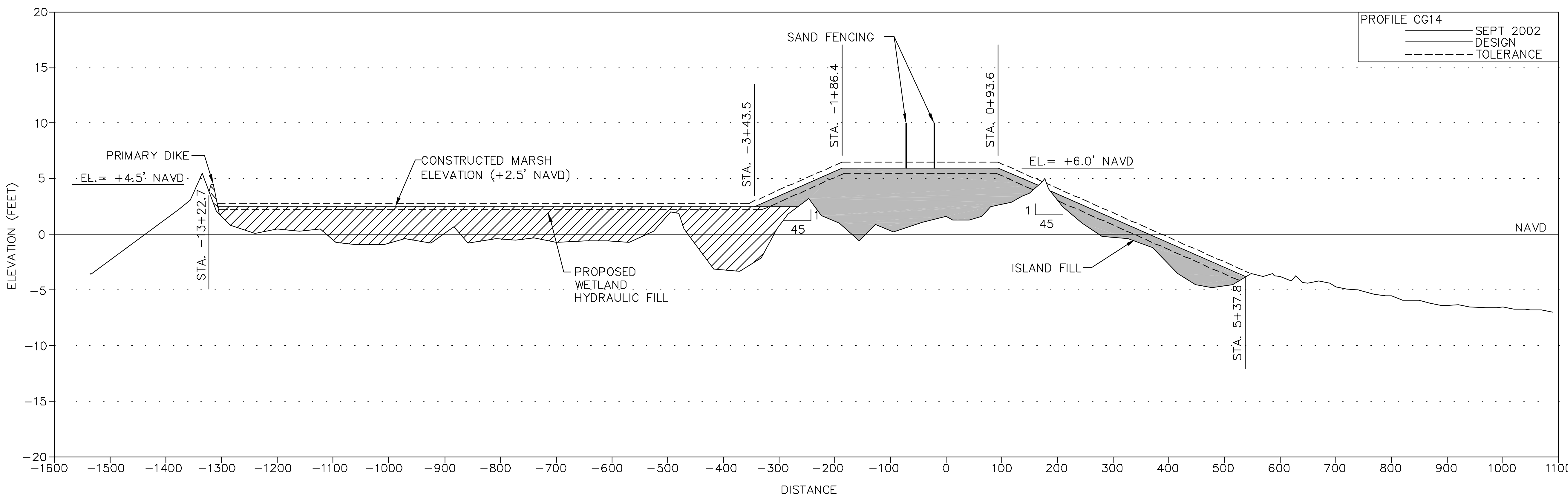
No.	Date	Description

Reference Files:	Designed by: MJ	Checked by: AB
	Drawn by: TW	Reviewed by: CD
	Date: 11/07/03	Submitted by: MJ
	Plot Scale: AS NOTED	Comm. No.: 7261.00

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

DRAWING NO.
XS-6





NOTES:
1. MARSH FILL TOLERANCE = 0.3 FEET.
2. ISLAND FILL TOLERANCE = 0.5 FEET.

DRAFT

SCALE: 1'= 100' HORIZONTAL
1'=5' VERTICAL

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No.	Date	Description

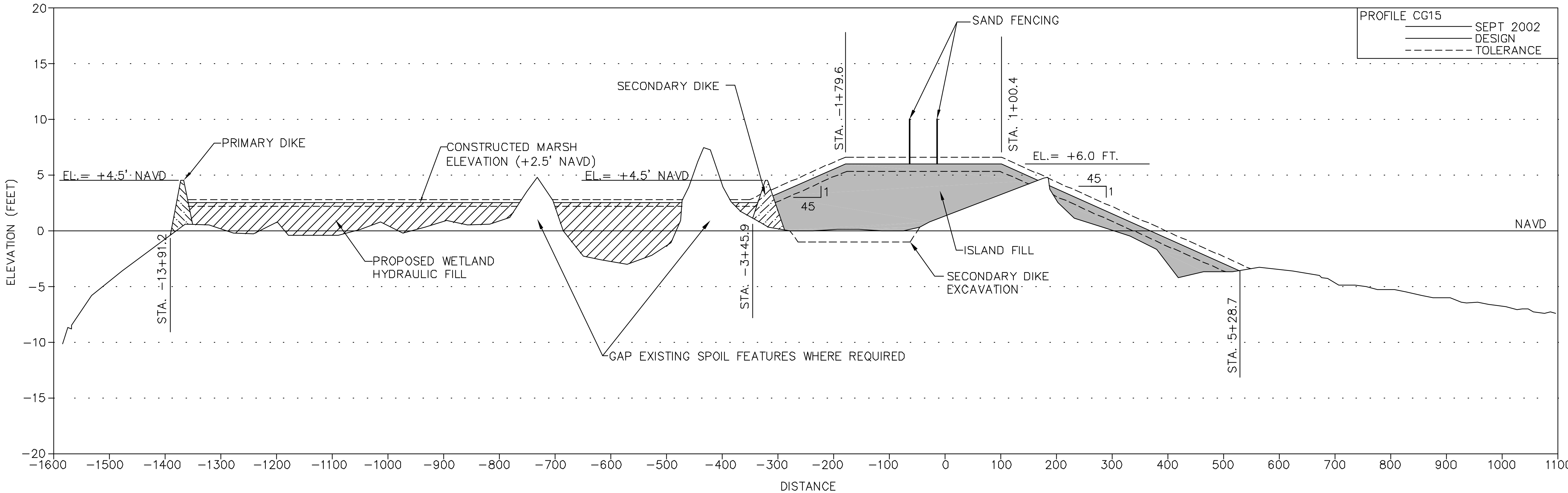
Reference Files:	Designed by: MJ	Checked by: AB
	Drawn by: TW	Reviewed by: CD
	Date: 11/07/03	Submitted by: MJ
	Plot Scale: AS NOTED	Comm. No.: 7261.00

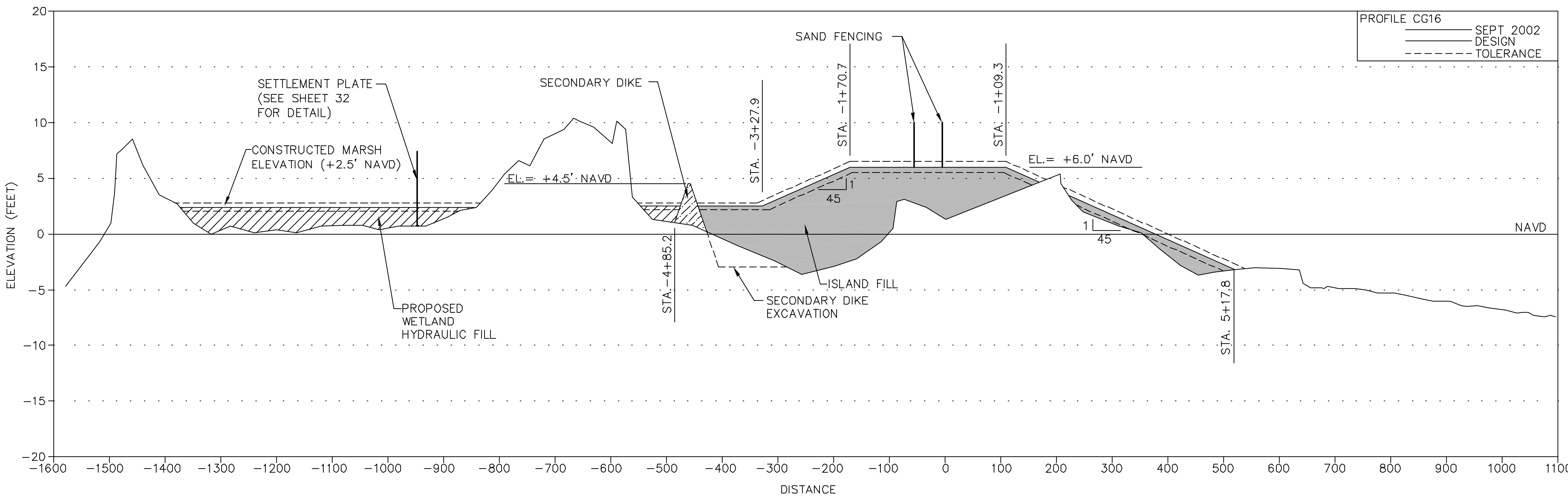
CHALAND HEADLAND RESTORATION
(BA-38-2)
CWPPRA PROJECT)

CROSS SECTIONS

DRAWING NO.

XS-7





NOTES:
1. MARSH FILL TOLERANCE = 0.3 FEET.
2. ISLAND FILL TOLERANCE = 0.5 FEET.

DRAFT

SCALE: 1'= 100' HORIZONTAL
1'=5' VERTICAL

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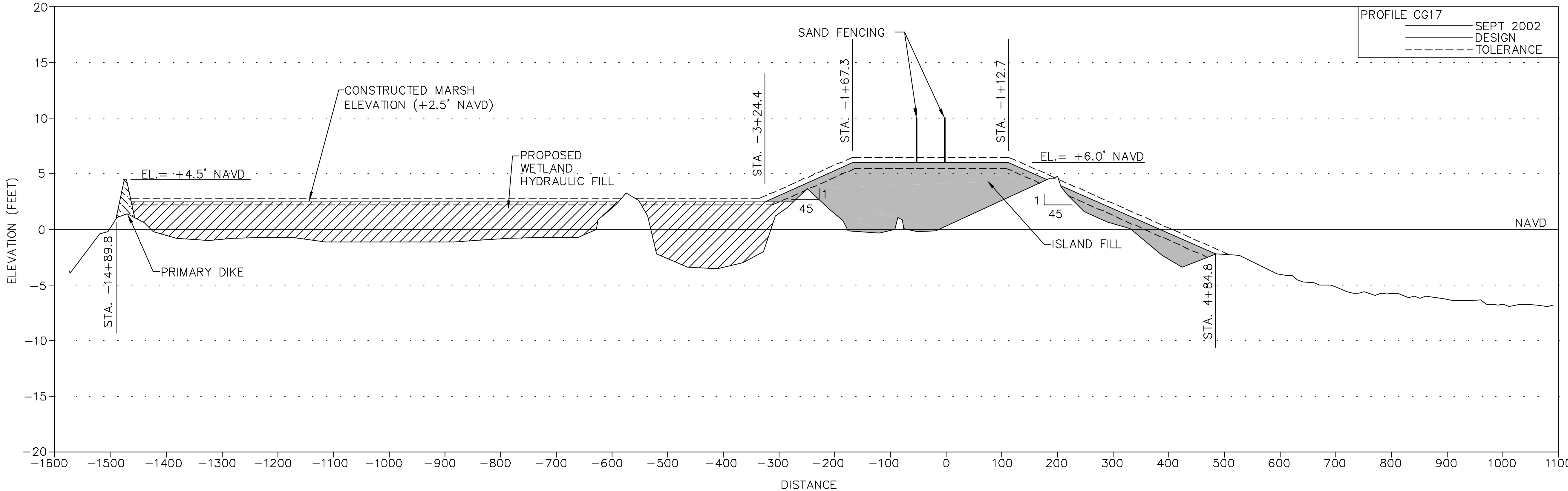
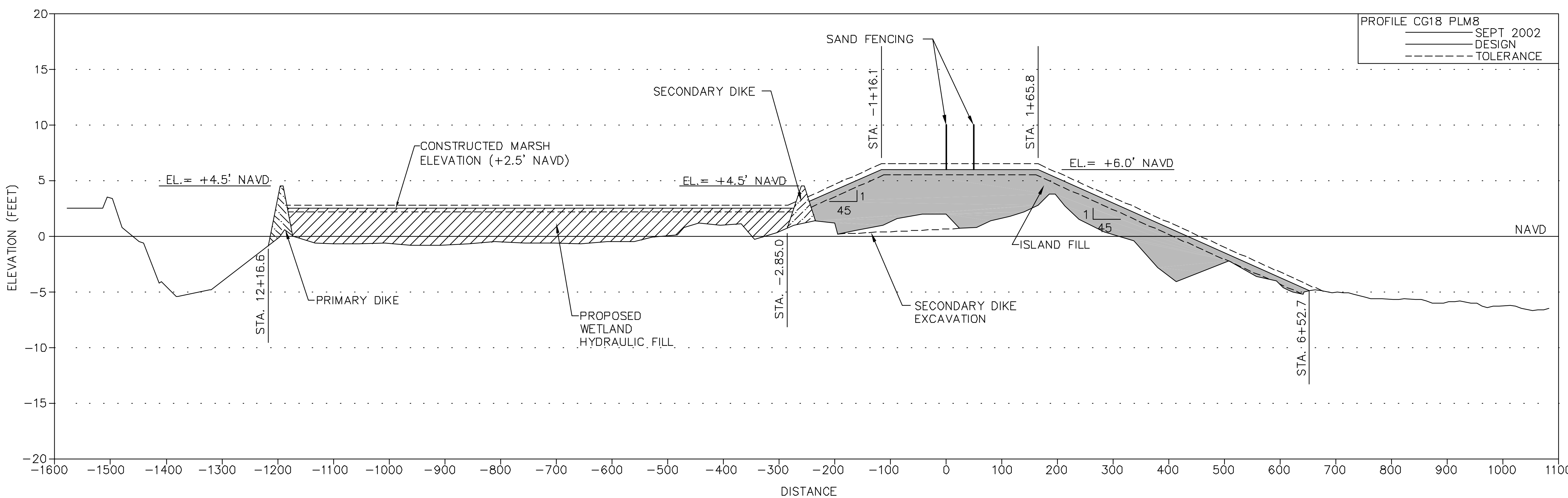
No.	Date	Description

Reference Files:
Designed by: MJ
Drawn by: TW
Date: 11/07/03
Plot Scale: AS NOTED
Checked by: AB
Reviewed by: CD
Submitted by: MJ
Comm. No.: 72610.00

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

DRAWING NO.
XS-8





NOTES:
1. MARSH FILL TOLERANCE = 0.3 FEET.
2. ISLAND FILL TOLERANCE = 0.5 FEET.

DRAFT

SCALE: 1'= 100' HORIZONTAL
1'=5' VERTICAL

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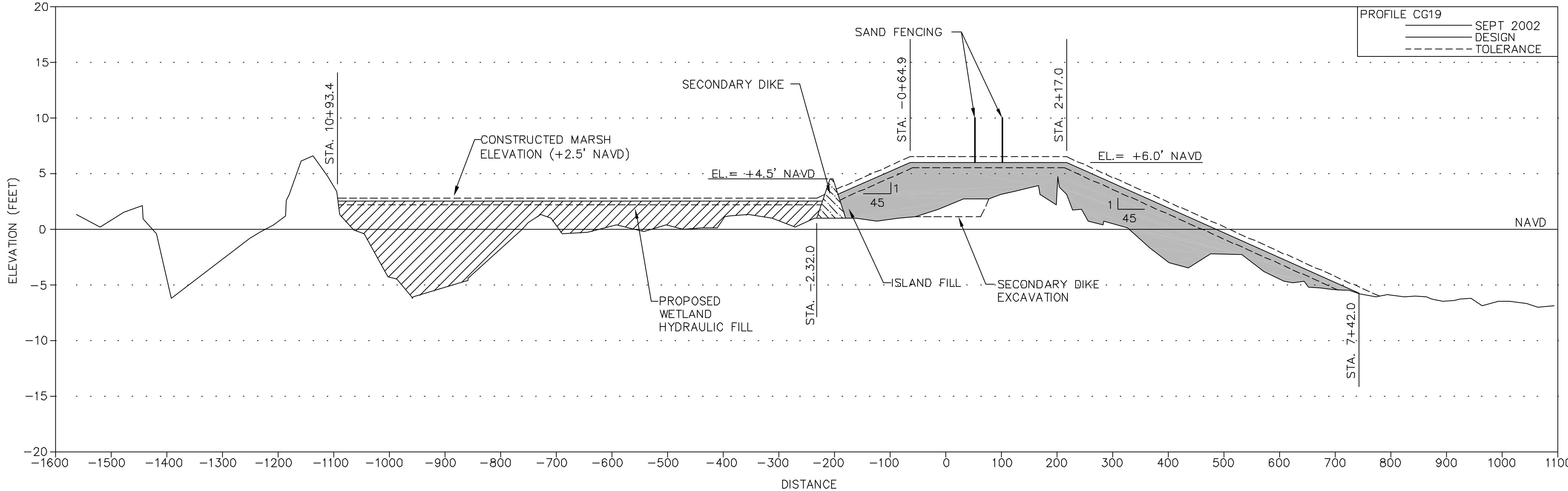
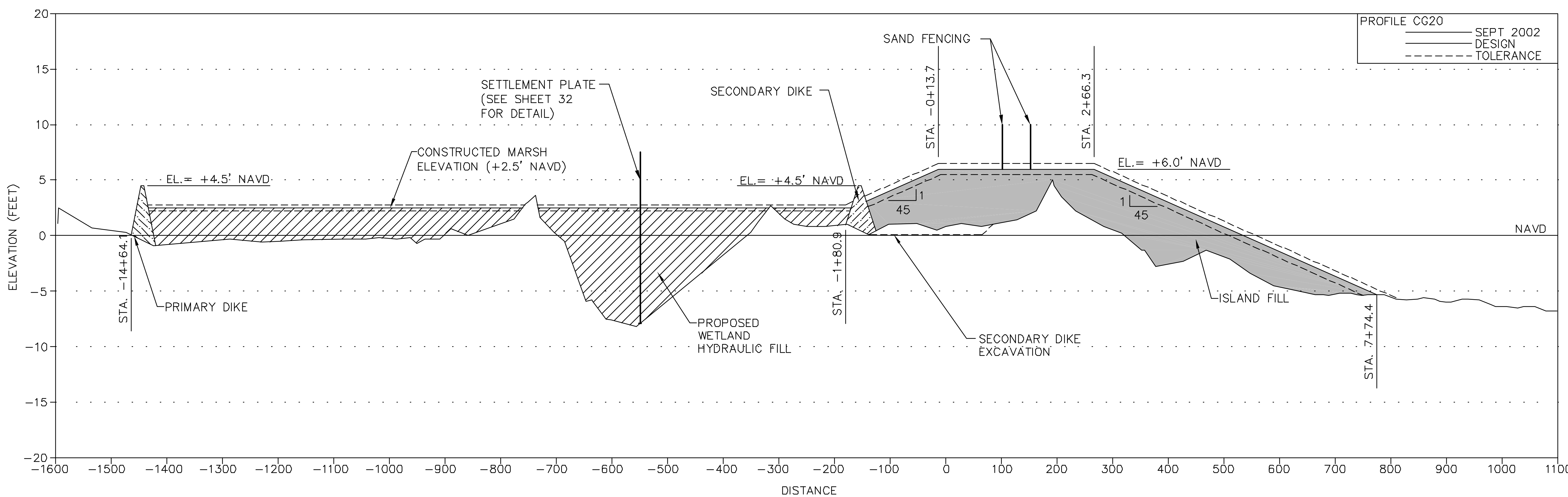
Designed by: MJ	Checked by: AB
Drawn by: TW	Reviewed by: CD
Date: 11/07/03	Submitted by: MJ
Plot Scale: AS NOTED	Comm. No.: 7261.00

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

DRAWING NO.
XS-9





NOTES:
1. MARSH FILL TOLERANCE = 0.3 FEET.
2. ISLAND FILL TOLERANCE = 0.5 FEET.

DRAFT

SCALE: 1'= 100' HORIZONTAL
1'=5' VERTICAL

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No.	Date	Description

Reference Files:
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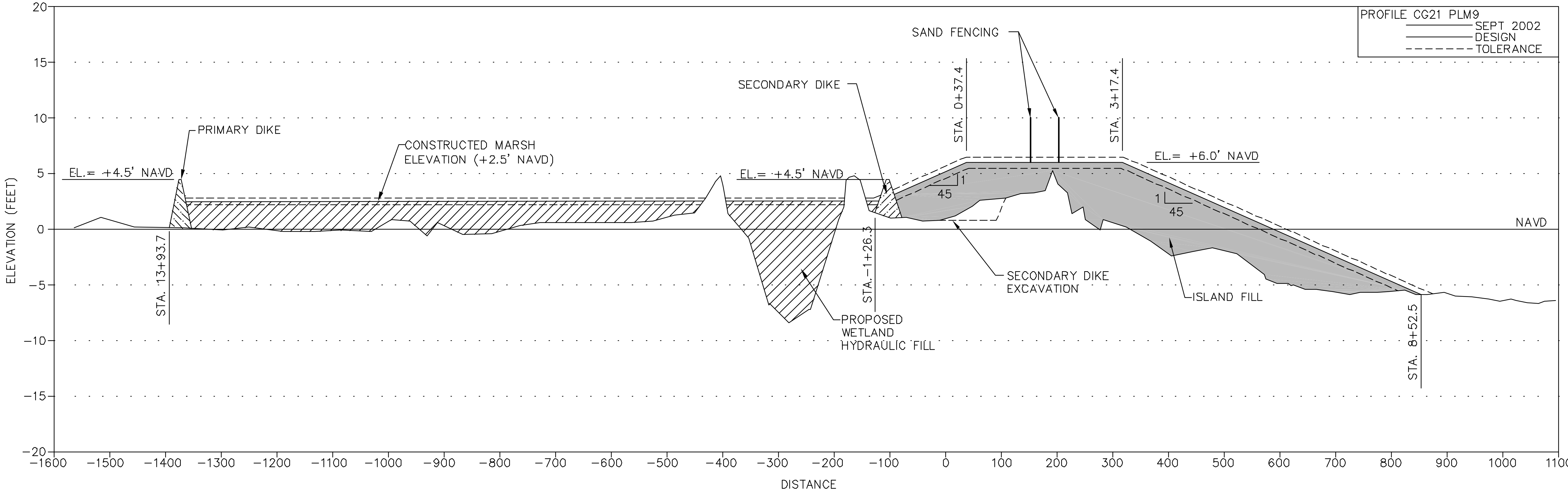
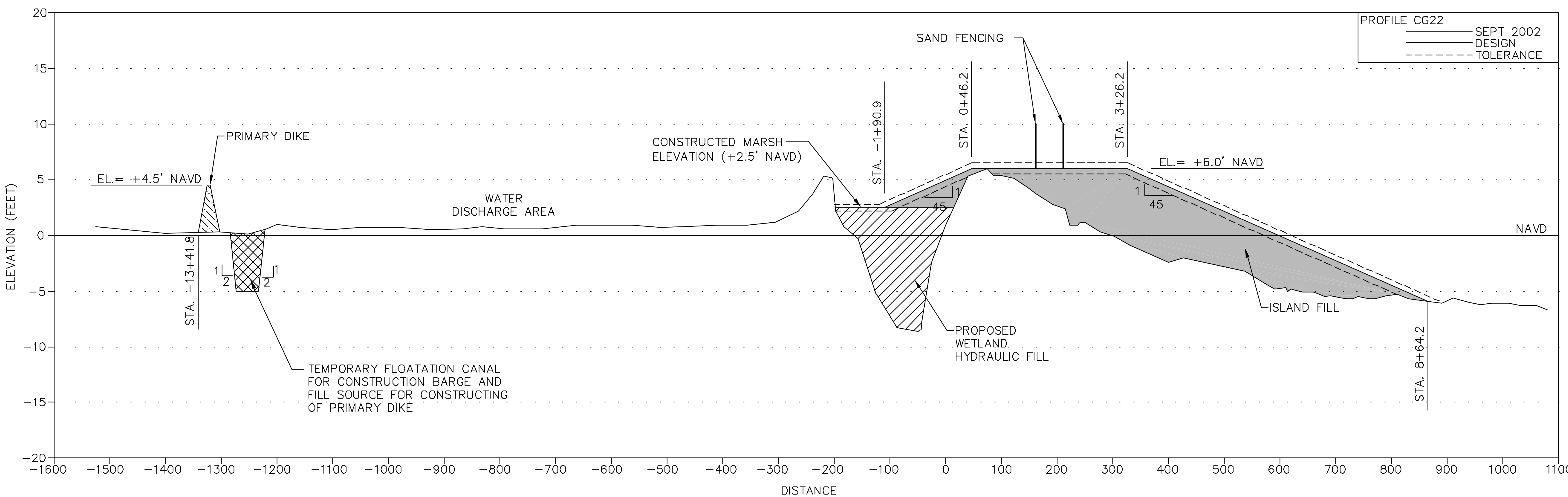
Drawn by: TW | Reviewed by: CD
Date: 11/07/03 | Submitted by: MJ
Plot Scale: AS NOTED | Comm. No.: 72610.00

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

DRAWING NO.
XS-10





NOTES:
1. MARSH FILL TOLERANCE = 0.3 FEET.
2. ISLAND FILL TOLERANCE = 0.5 FEET.

DRAFT

SCALE: 1'= 100' HORIZONTAL
1'=5' VERTICAL

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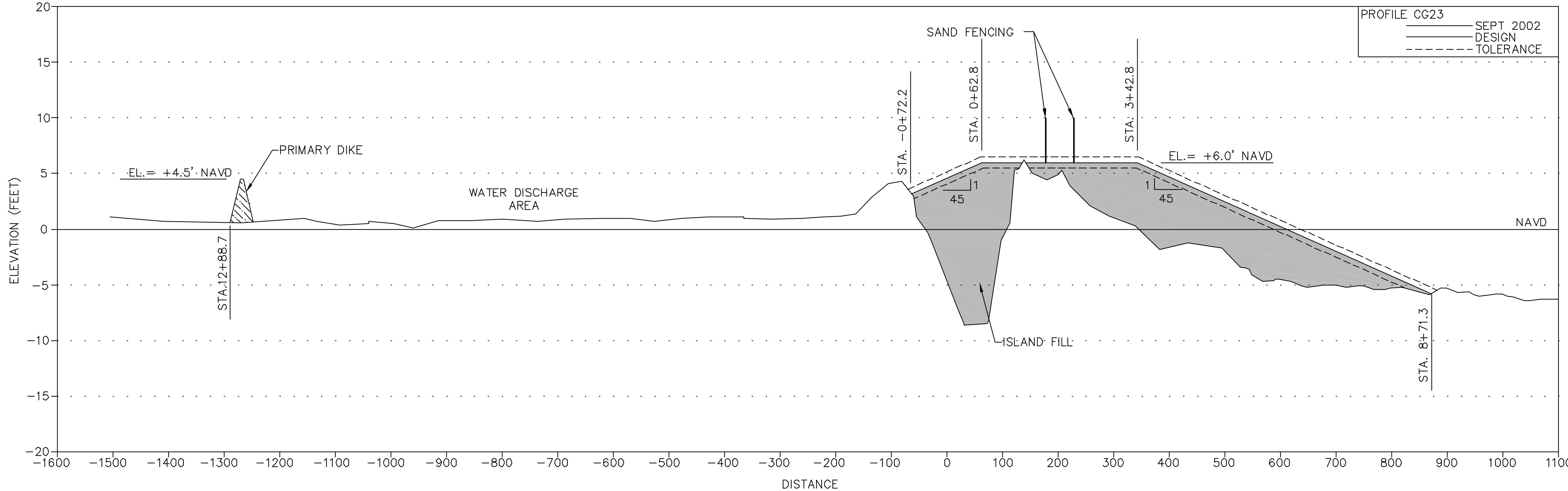
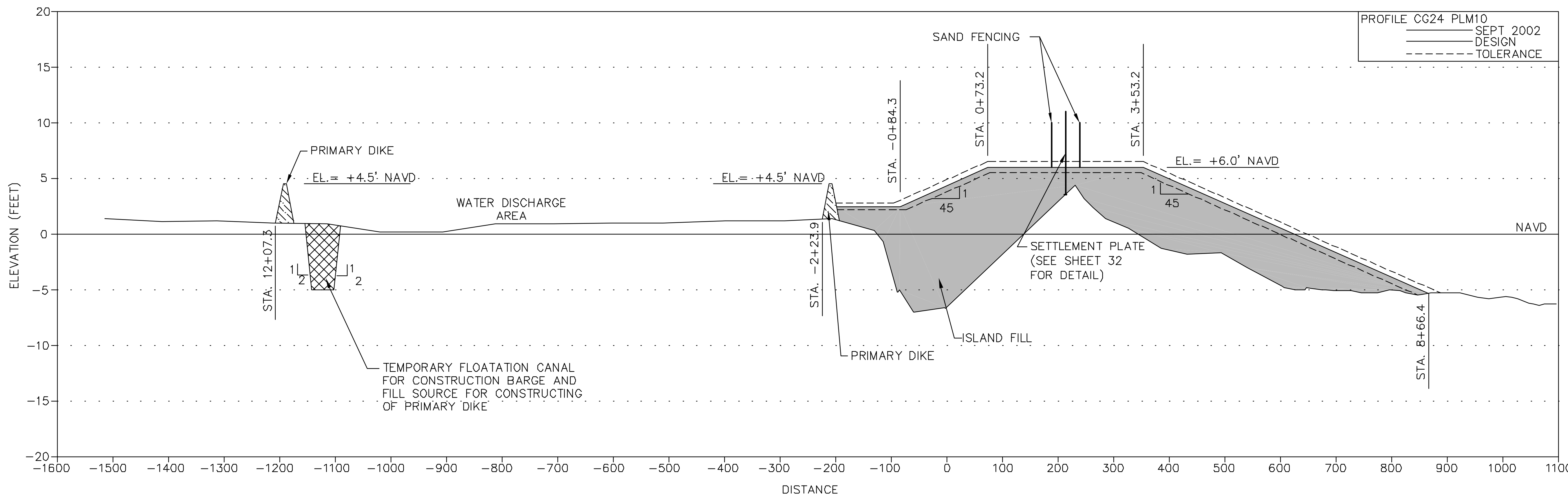
No.	Date	Description

Reference Files:	Designed by: MJ	Checked by: AB	
	Drawn by: TW	Reviewed by: CD	
	Date: 11/07/03	Submitted by: MJ	
	Plot Scale: AS NOTED	Comm. No.: 7261.00	

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

DRAWING NO.
XS-11





NOTES:

1. MARSH FILL TOLERANCE = 0.3 FEET.
2. ISLAND FILL TOLERANCE = 0.5 FEET.

DRAFT

SCALE: 1'= 100' HORIZONTAL
1'=5' VERTICAL

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No.	Date	Description

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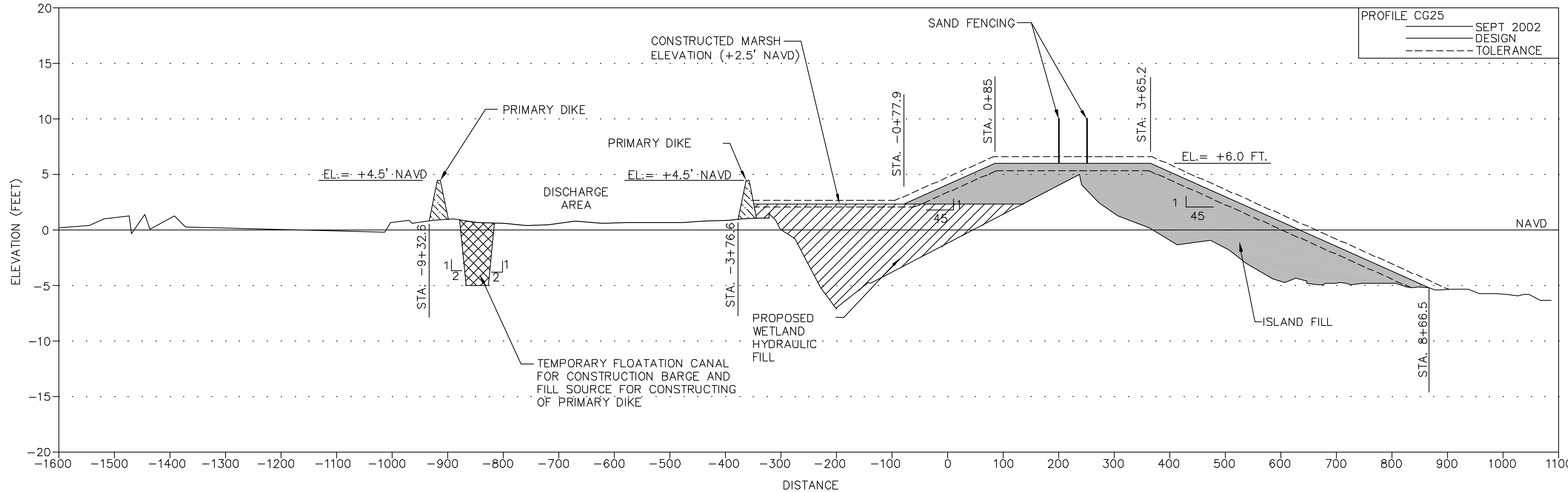
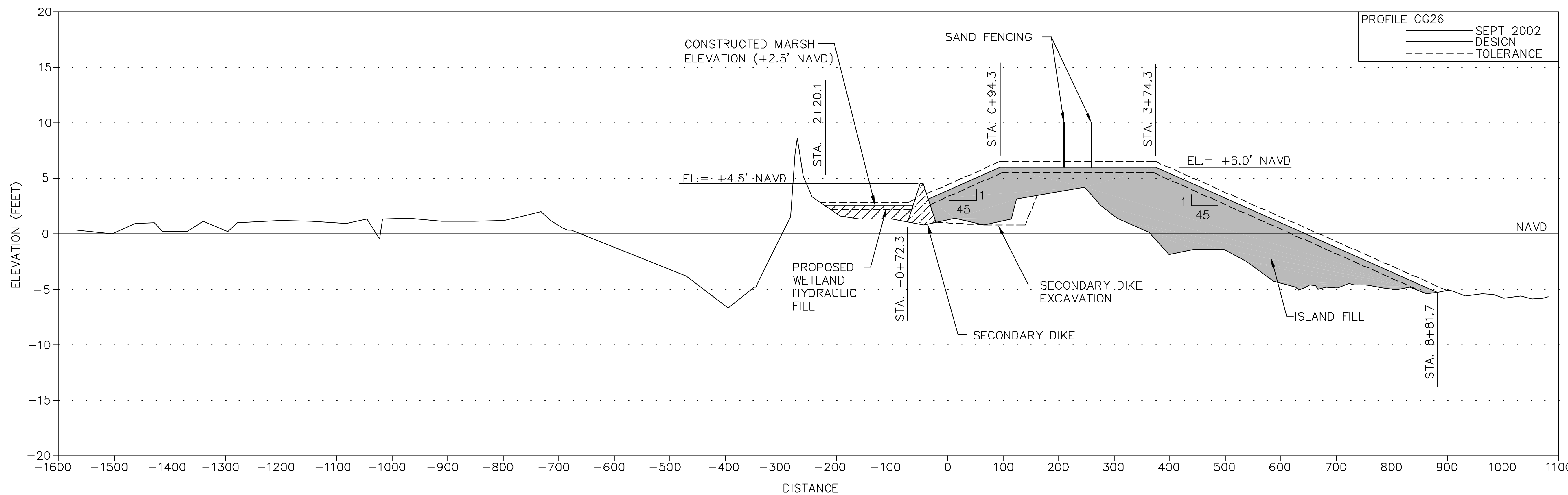
CHALAND HEADLAND RESTORATION
(BA-38-2)
CWPPRA PROJECT)
CROSS SECTIONS

DRAWING NO.

XS-12





NOTES:
1. MARSH FILL TOLERANCE = 0.3 FEET.
2. ISLAND FILL TOLERANCE = 0.5 FEET.

DRAFT

SCALE: 1'= 100' HORIZONTAL
1'=5' VERTICAL

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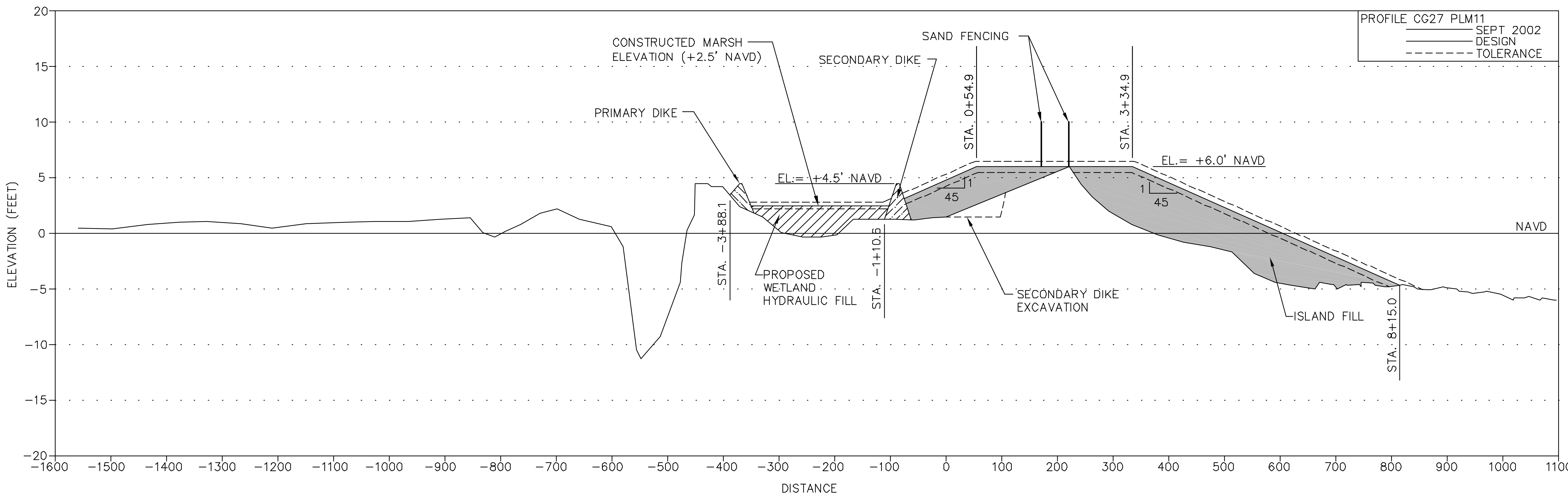
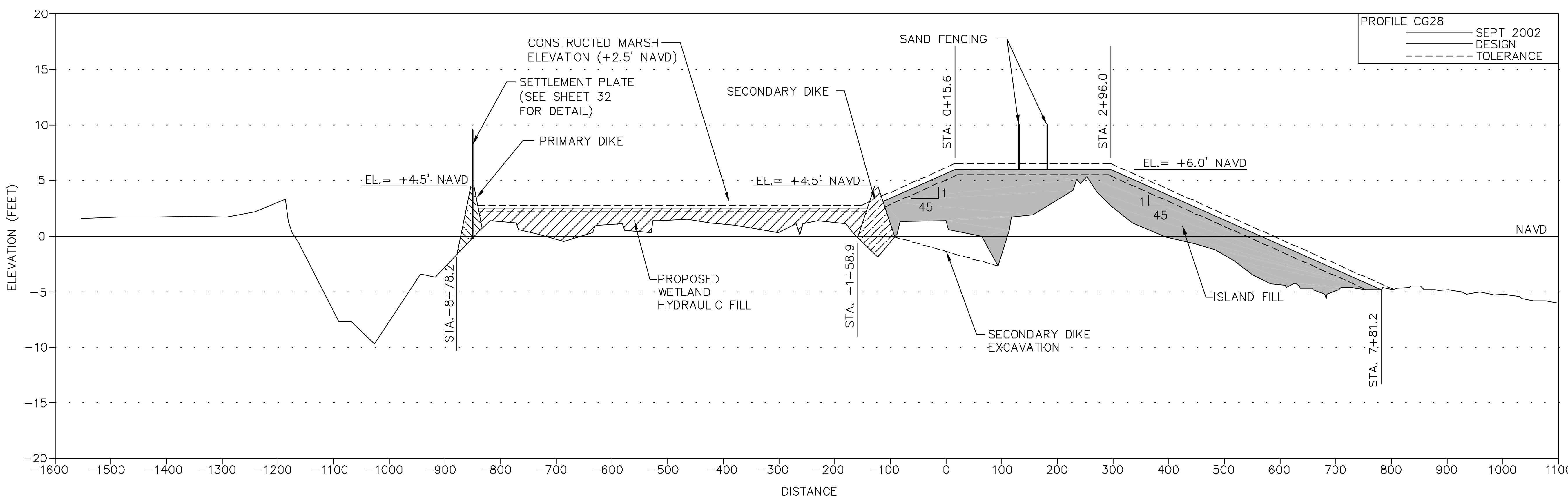
	Plot Scale: AS NOTED	Comm. No.: 7261.00

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

DRAWING NO.
XS-13
SHEET 21 OF 33





NOTES:
1. MARSH FILL TOLERANCE = 0.3 FEET.
2. ISLAND FILL TOLERANCE = 0.5 FEET.

DRAFT

SCALE: 1'= 100' HORIZONTAL
1'=5' VERTICAL

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No.	Date	Description

Reference Files:
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Plot Scale: AS NOTED
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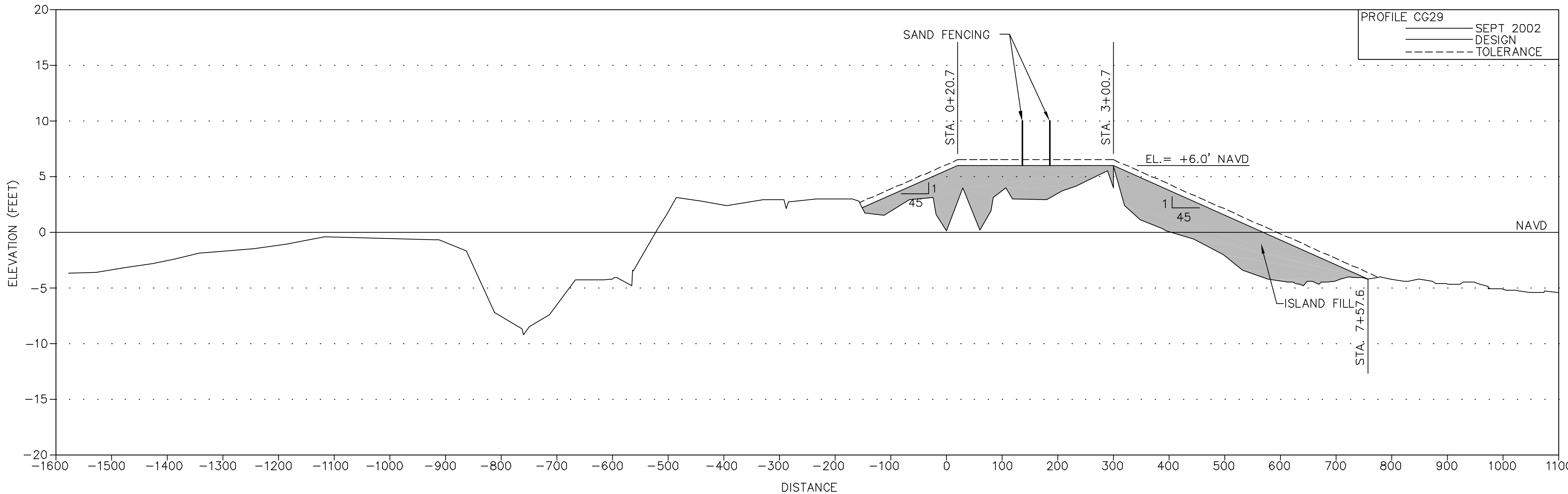
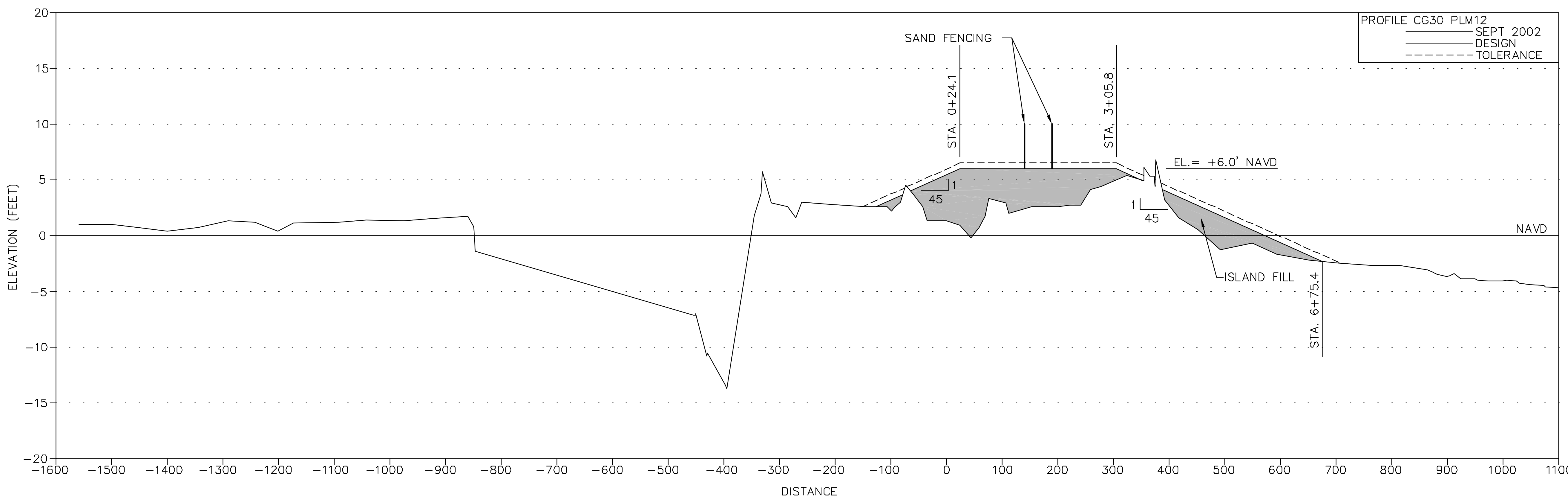
CHALAND HEADLAND RESTORATION
(BA-38-2)
CWPPRA PROJECT)
CROSS SECTIONS

DRAWING NO.
XS–14
SHEET 22 OF 33

H:\Loudenm\726100\CONSTRUCTION\CHALAND\CHALAND X-SECTIONS.DWG





NOTES:
1. MARSH FILL TOLERANCE = 0.3 FEET.
2. ISLAND FILL TOLERANCE = 0.5 FEET.

DRAFT

SCALE: 1'= 100' HORIZONTAL
1'=5' VERTICAL

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No.	Date	Description

Reference Files:

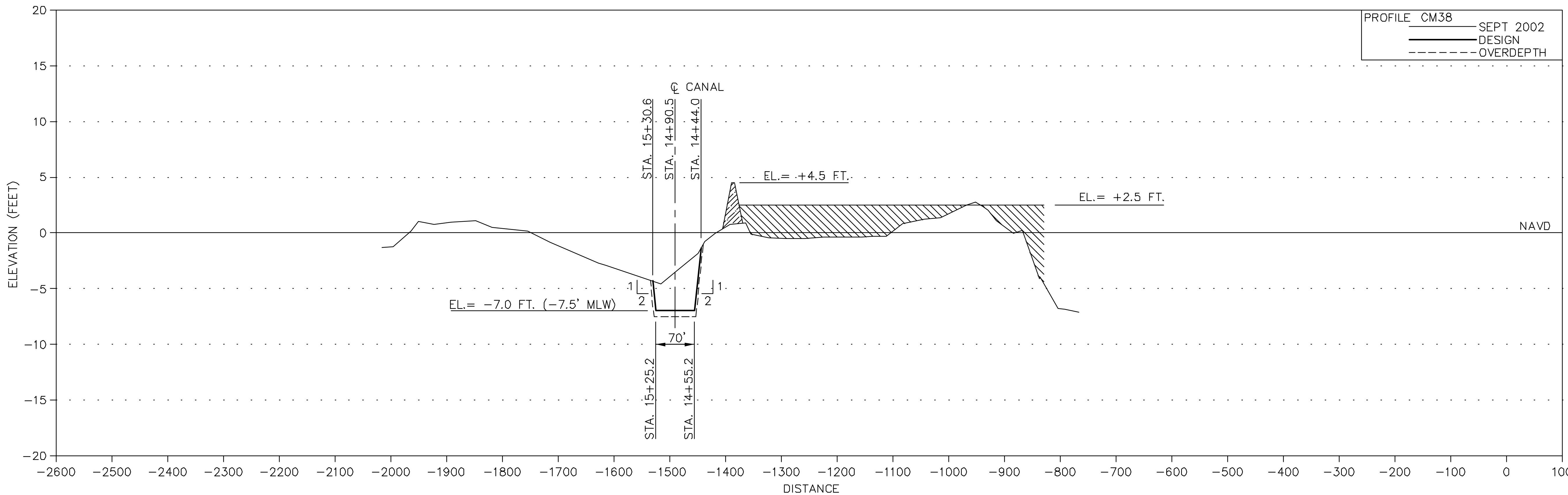
Designed by: MJ	Drawn by: TW	Date: 11/07/03	Plot Scale: AS NOTED
Checked by: AB	Reviewed by: CD	Submitted by: MJ	Comm. No.: 7261.00

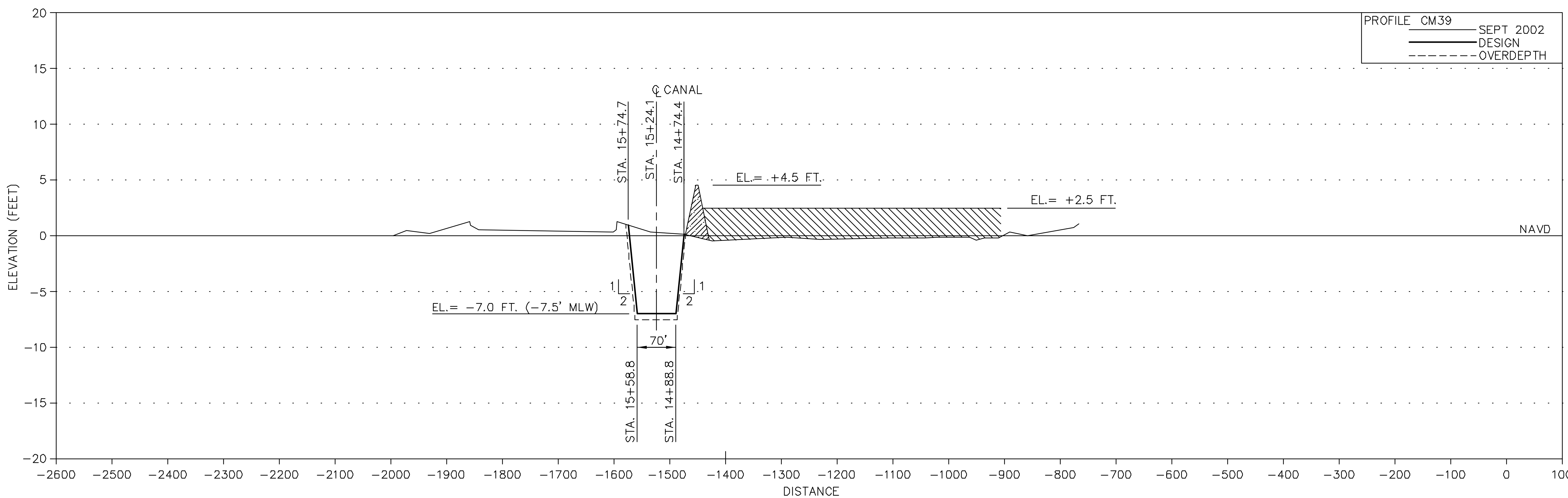
CHALAND HEADLAND RESTORATION
(BA-38-2)
CWPPRA PROJECT)

CROSS SECTIONS

DRAWING NO.

XS-15





NOTE:
1. ELEVATIONS SHOWN HEREON ARE IN FEET BASED ON NAVD 1988.
2. OVERDEPTH IS 0.5 FEET

LEGEND:
DENOTES PRIMARY DIKE
DENOTES WETLAND FILL

SCALE: 1"= 100' HORIZONTAL
1"=5' VERTICAL

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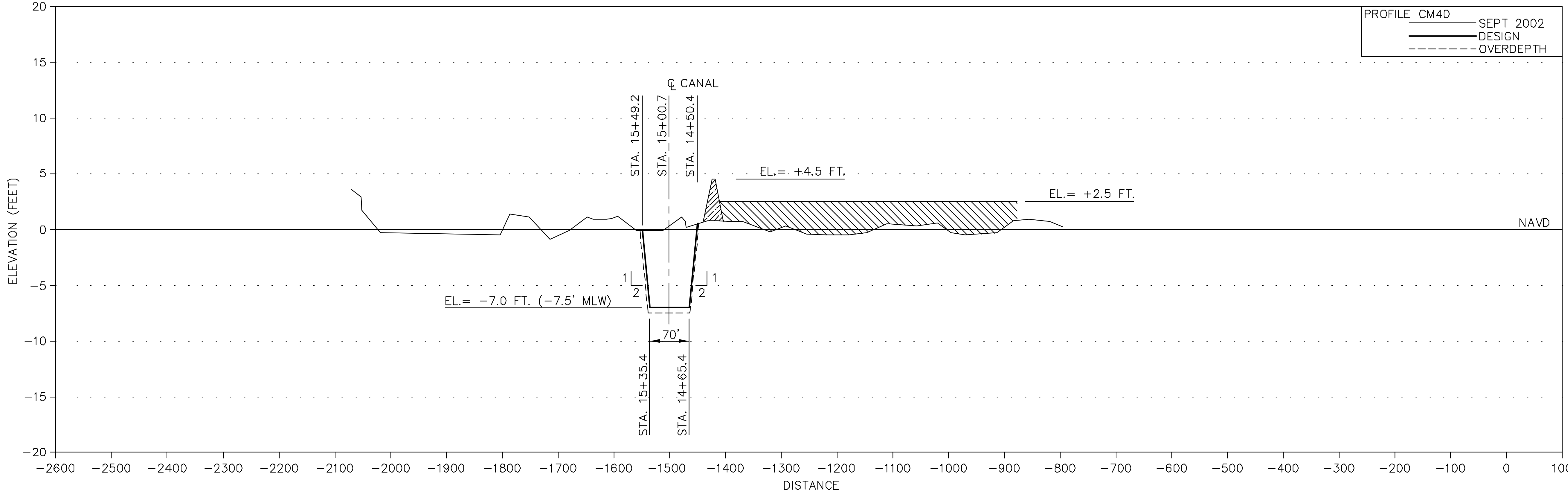
Checked by: AB	Reviewed by: CD	Submitted by: MJ	Comm. No.: 7261.00
Designed by: MJ	Drawn by: TW	Date: 11/07/03	Plot Scale: AS NOTED

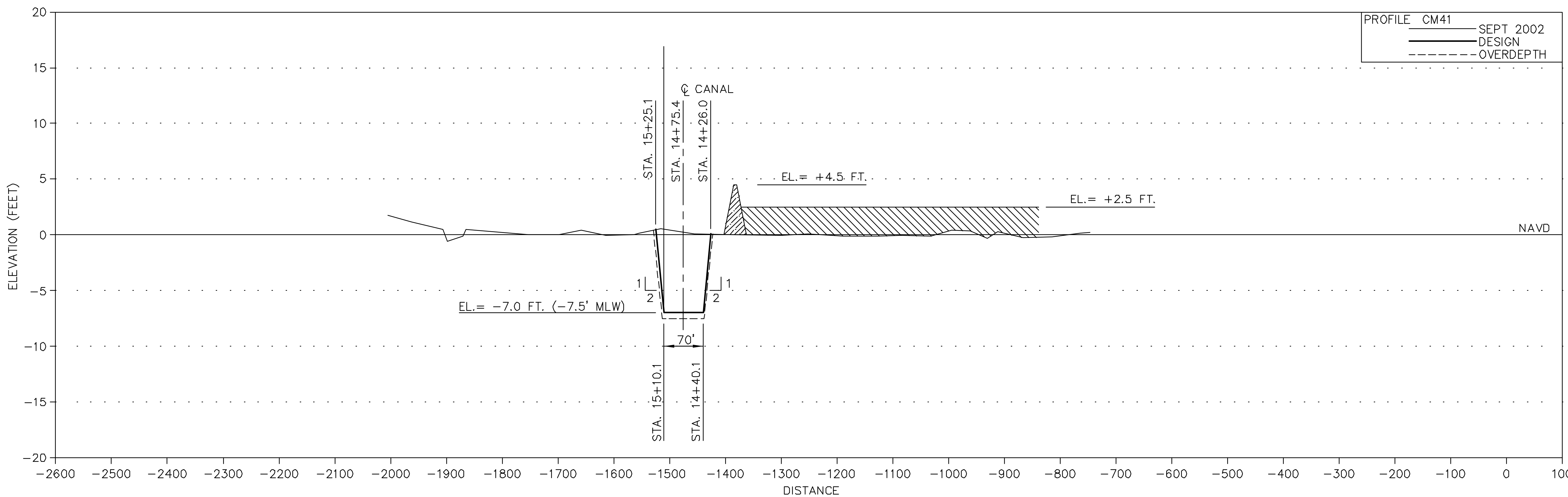
CHALAND HEADLAND RESTORATION (BA-38-2) CWPPRA PROJECT)

ACCESS CANAL CROSS SECTIONS

DRAWING NO.

XS-16





NOTE:
1. ELEVATIONS SHOWN HEREON ARE IN FEET BASED ON NAVD 1988.
2. OVERDEPTH IS 0.5 FEET

LEGEND:
DENOTES PRIMARY DIKE
DENOTES WETLAND FILL

SCALE: 1"= 100' HORIZONTAL
1"=5' VERTICAL

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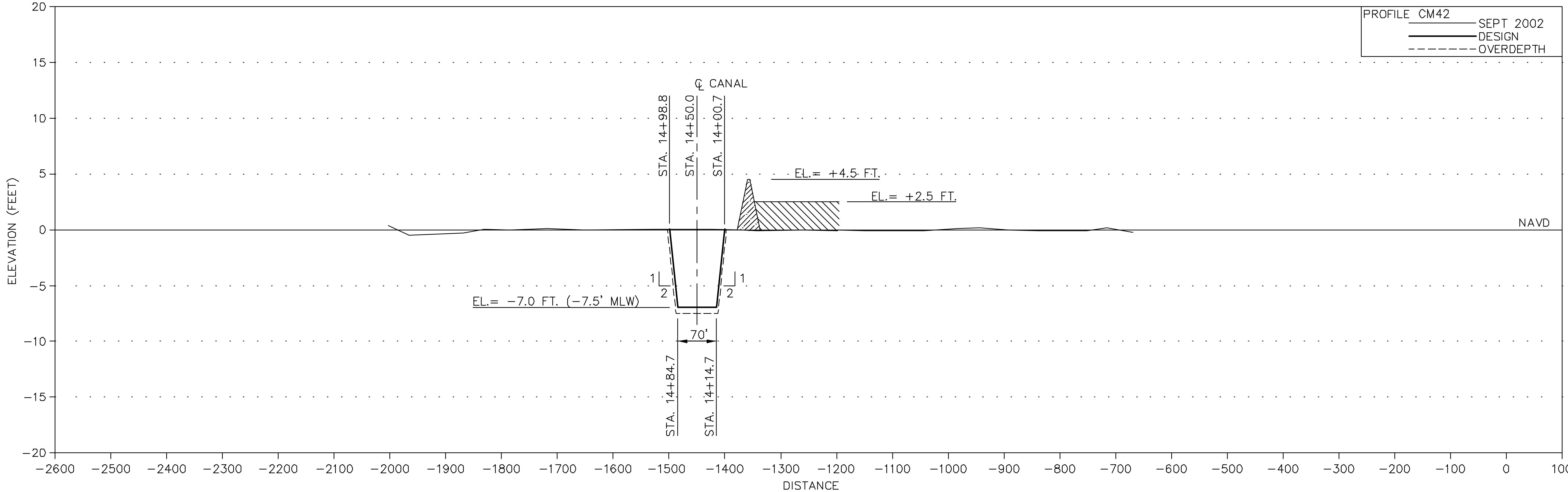
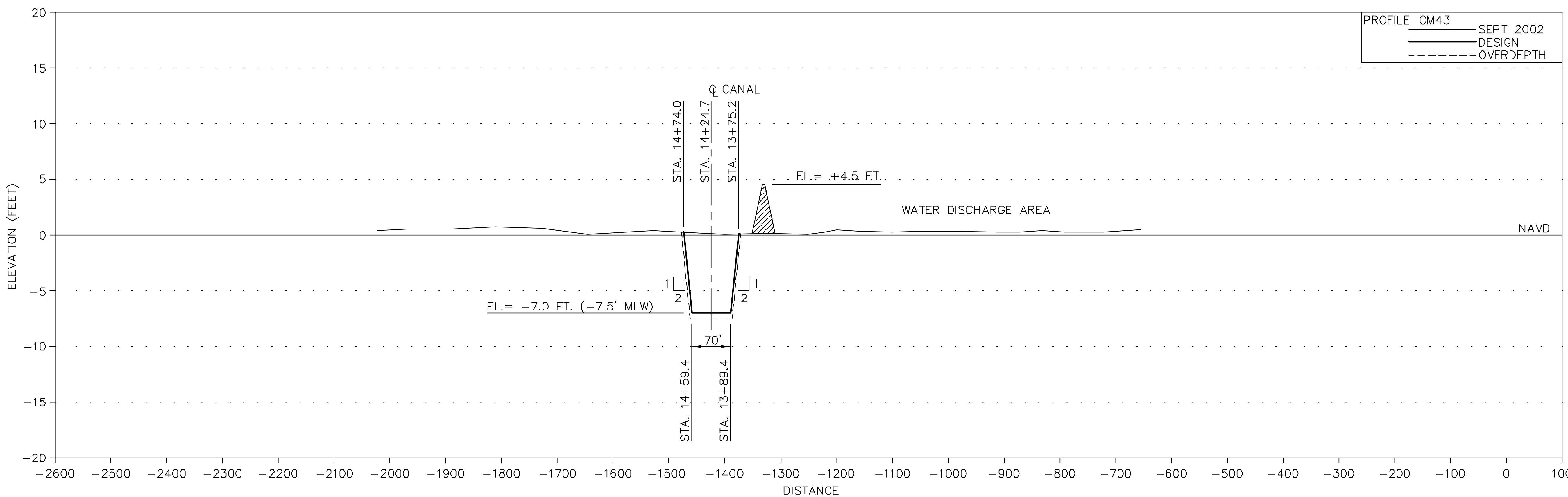
No.	Date	Description

Designed by: MJ
Drawn by: TW
Date: 11/07/03
Plot Scale: AS NOTED
Checked by: AB
Reviewed by: CD
Submitted by: MJ
Comm. No.: 7261.00

CHALAND HEADLAND RESTORATION (BA-38-2) CWPPRA PROJECT)
ACCESS CANAL CROSS SECTIONS

DRAWING NO.
XS-17





NOTE:
1. ELEVATIONS SHOWN HEREON ARE IN FEET BASED ON NAVD 1988.
2. OVERDEPTH IS 0.5 FEET

LEGEND:
DENOTES PRIMARY DIKE
DENOTES WETLAND FILL

SCALE: 1"= 100' HORIZONTAL
1"=5' VERTICAL

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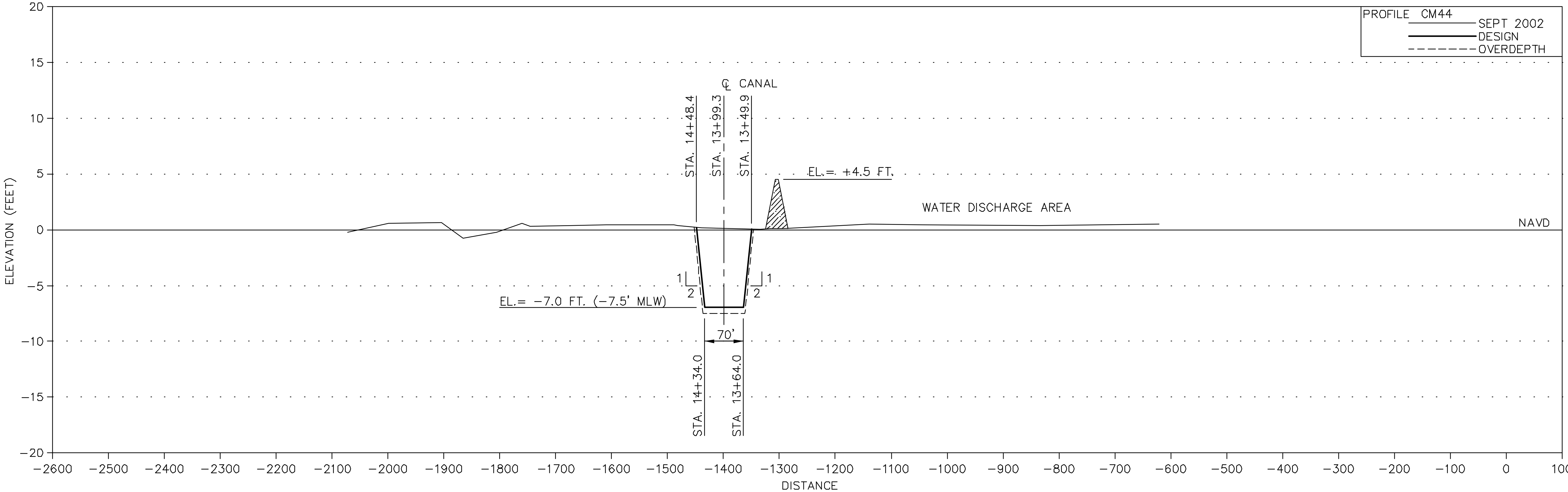
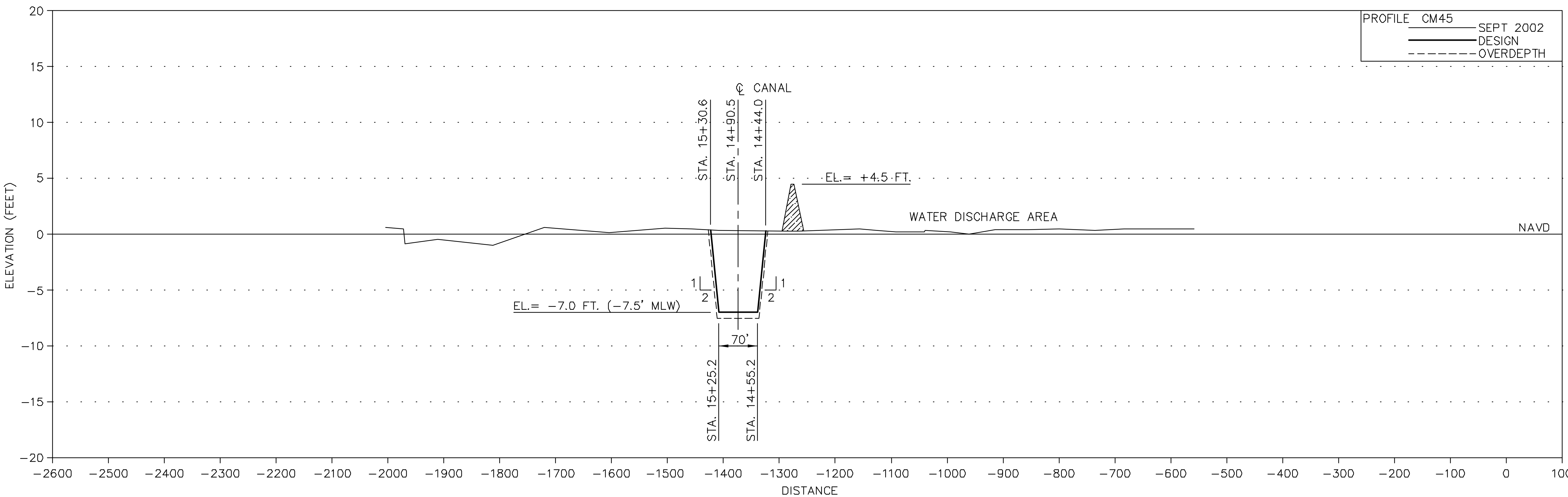
No.	Date	Description

Reference Files: BORDERCHALAND.DWG
Designed by: MJ | Checked by: AB
Drawn by: TW | Reviewed by: CD
Date: 11/07/03 | Submitted by: MJ
Plot Scale: AS NOTED | Comm. No.: 7261.00

CHALAND HEADLAND RESTORATION (BA-38-2) CWPPRA PROJECT)
ACCESS CANAL CROSS SECTIONS

DRAWING NO.
XS-18





NOTE:
1. ELEVATIONS SHOWN HEREON ARE IN FEET BASED ON NAVD 1988.
2. OVERDEPTH IS 0.5 FEET

LEGEND:
DENOTES PRIMARY DIKE

SCALE: 1"= 100' HORIZONTAL
1"=5' VERTICAL

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www.CoastalPlanning.net

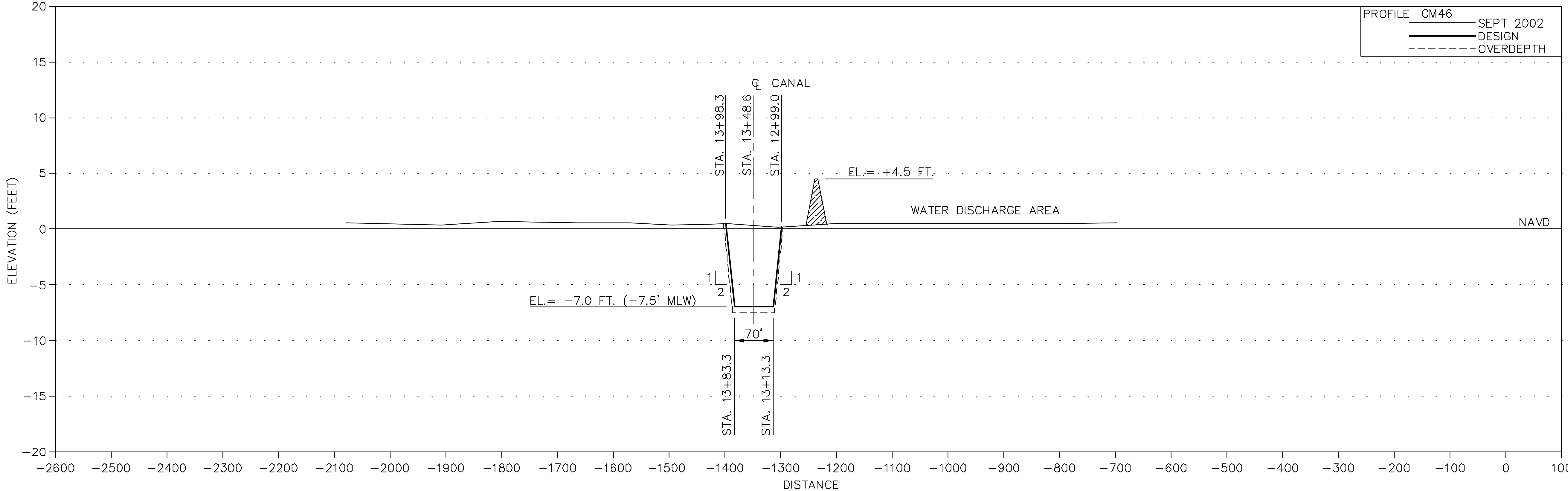
No.	Date	Description

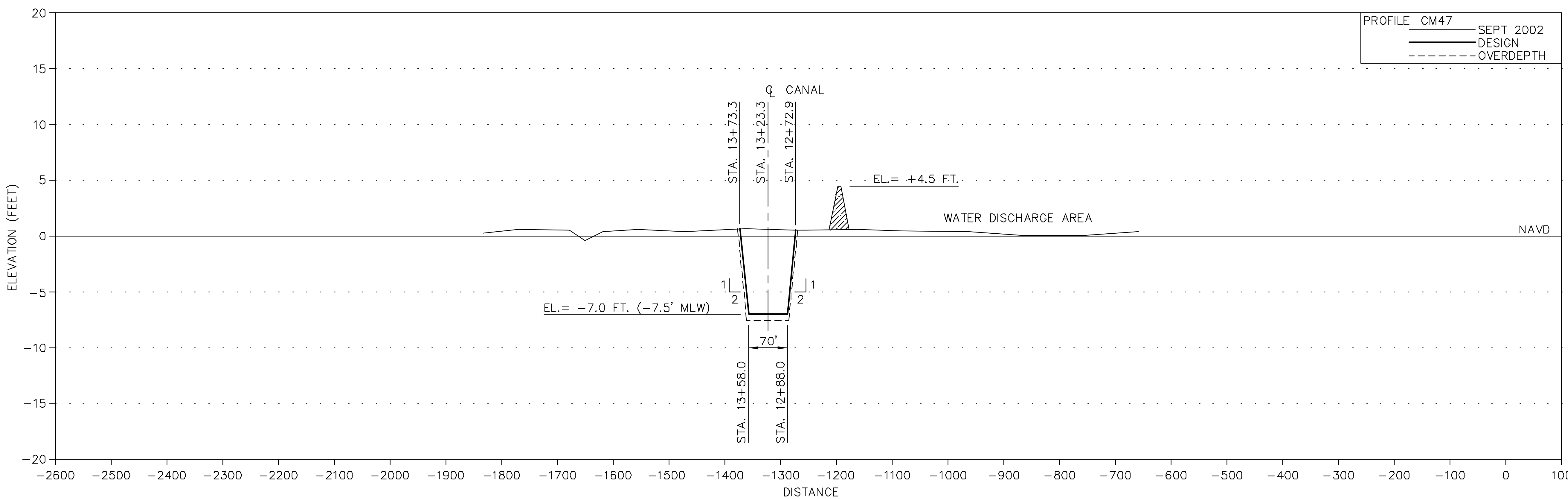
Reference Files: BORDERCHALAND.DWG
Designed by: MJ
Checked by: AB
Drawn by: TW
Reviewed by: CD
Date: 11/07/03
Submitted by: MJ
Plot Scale: AS NOTED
Comm. No.: 7261.00

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

ACCESS CANAL
CROSS SECTIONS

DRAWING NO.
XS-19





NOTE:
1. ELEVATIONS SHOWN HEREON ARE IN FEET BASED ON NAVD 1988.
2. OVERDEPTH IS 0.5 FEET

LEGEND:
DENOTES PRIMARY DIKE

SCALE: 1"= 100' HORIZONTAL
1"=5' VERTICAL

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Comm. No.: 7261.00

CHALAND HEADLAND RESTORATION
(BA-38-2)
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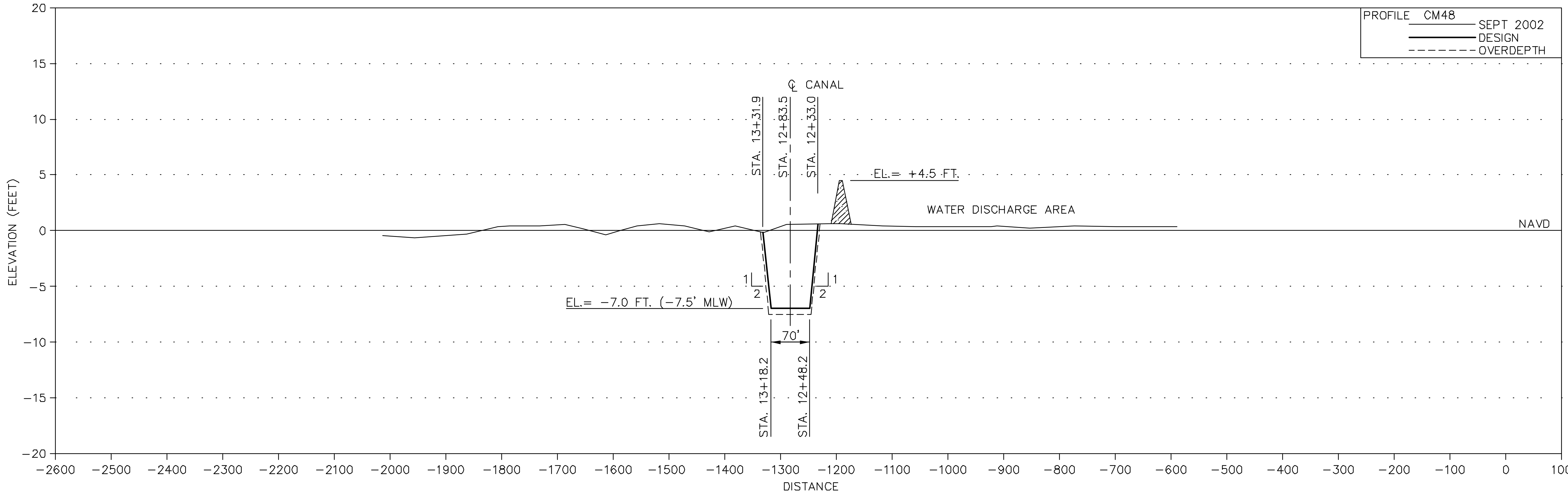
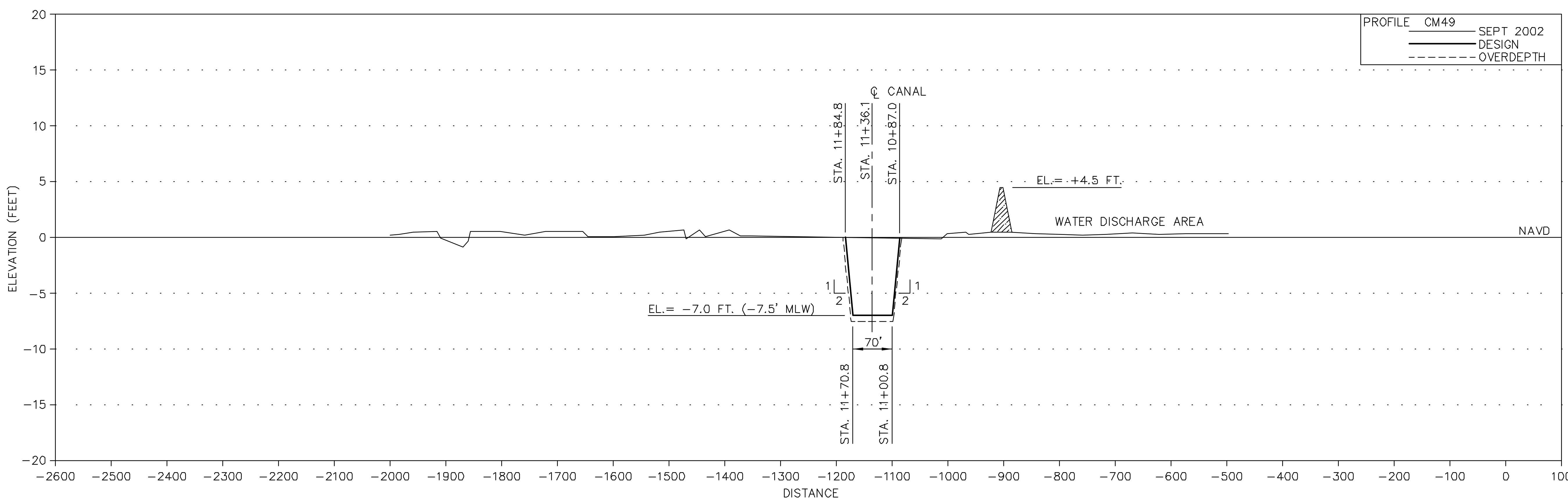
ACCESS CANAL
CROSS SECTIONS

DRAWING NO.
XS-20





NOTE:
1. ELEVATIONS SHOWN HEREON ARE IN FEET BASED ON NAVD 1988.
2. OVERDEPTH IS 0.5 FEET

LEGEND:
DENOTES PRIMARY DIKE

SCALE: 1'= 100' HORIZONTAL
1'=5' VERTICAL

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CHALAND HEADLAND RESTORATION
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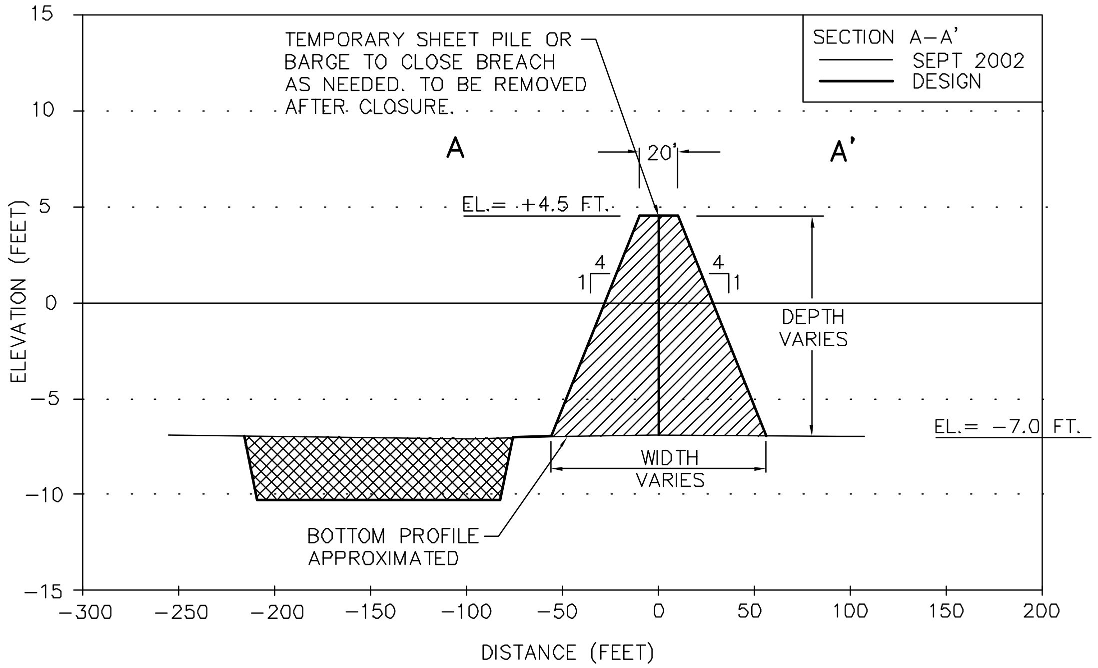
ACCESS CANAL
CROSS SECTIONS

DRAWING NO.
XS-21
SHEET 29 OF 33

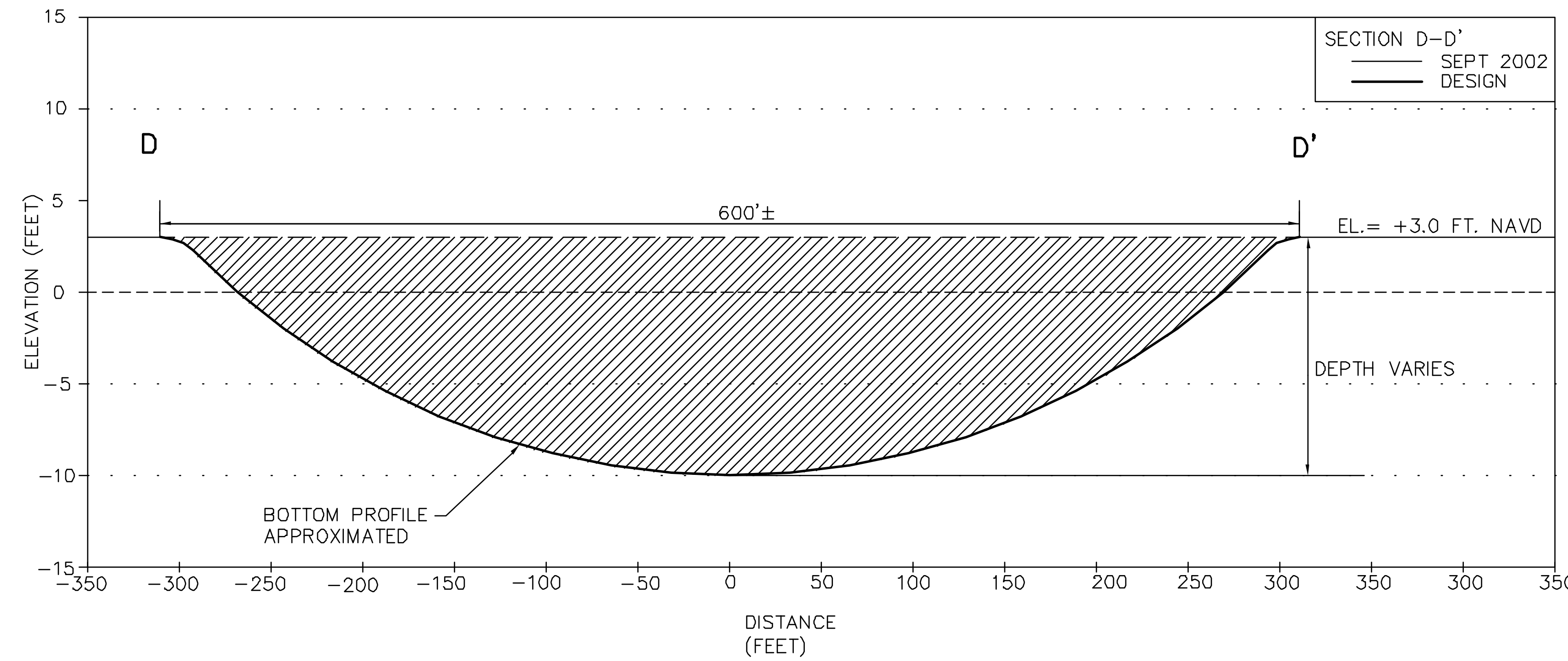


CANAL CLOSURE CROSS SECTION A–A'

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

LEGEND:
FILL MATERIAL TO CLOSE CANAL
DENOTES EXCAVATED MARSH MATERIAL TO BE USED FOR CANAL CLOSURE

SCALE:
1"= 50' HORIZONTAL
1"= 5' VERTICAL

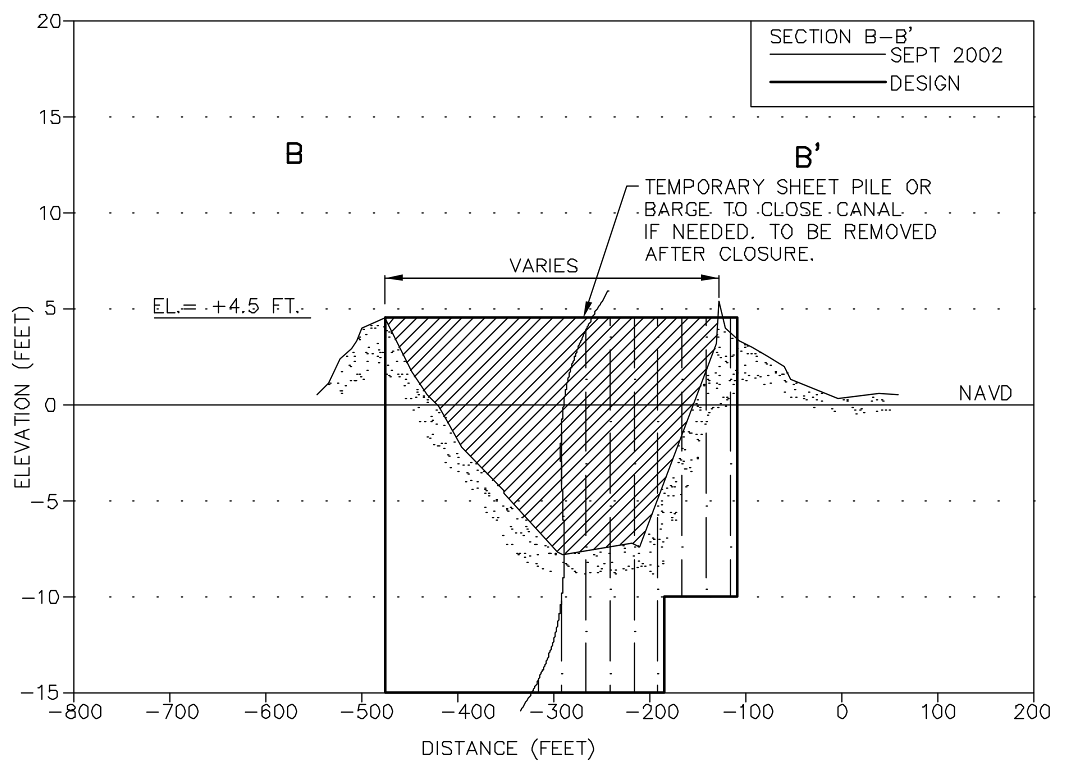


BREACH CLOSURE CROSS SECTION D–D'

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

LEGEND:
FILL MATERIAL TO CLOSE BREACH

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

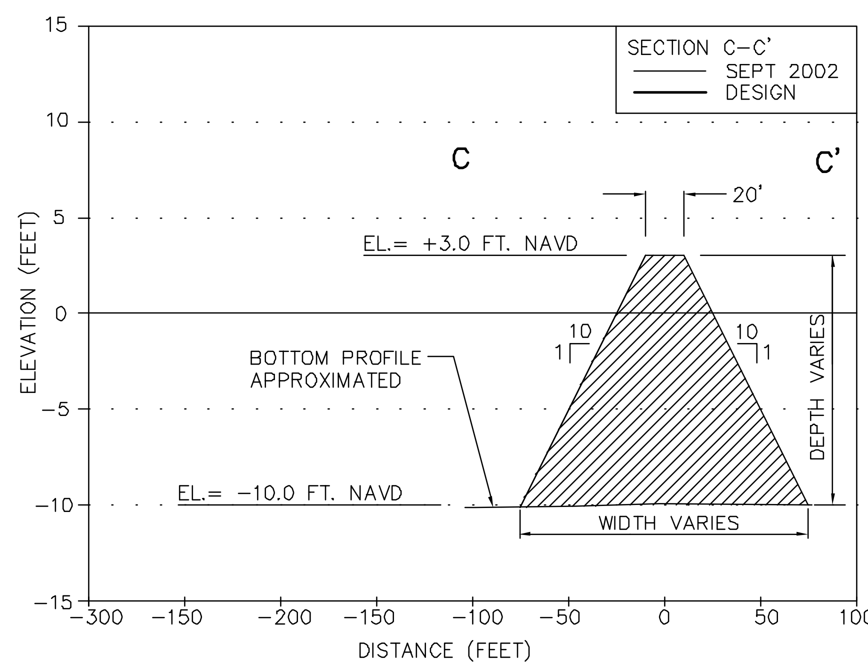


CANAL CLOSURE CROSS SECTION B–B'

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

LEGEND:
FILL MATERIAL TO CLOSE CANAL

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

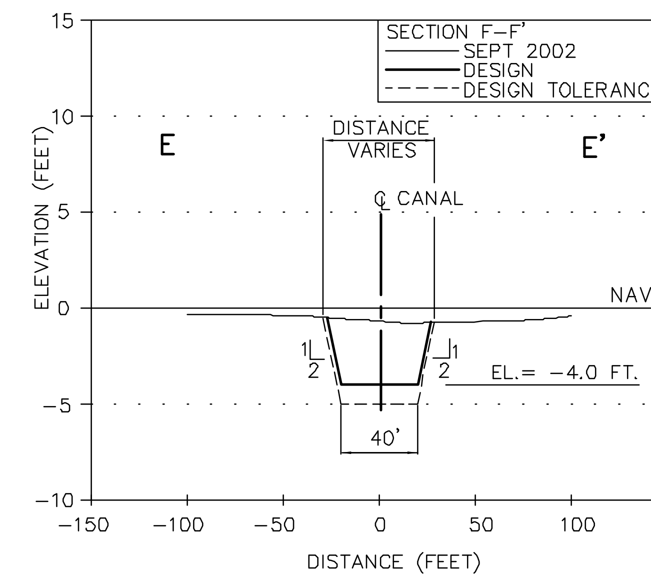


BREACH CLOSURE CROSS SECTION C–C'

LEGEND:
FILL MATERIAL TO CLOSE BREACH

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

SCALE:
1"= 50' HORIZONTAL
1"= 10' VERTICAL



OIL INFRASTRUCTURE ACCESS CANAL CROSS SECTION E–E'

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

SCALE:
1"= 50' HORIZONTAL
1"= 5' VERTICAL

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No. | Date | Description

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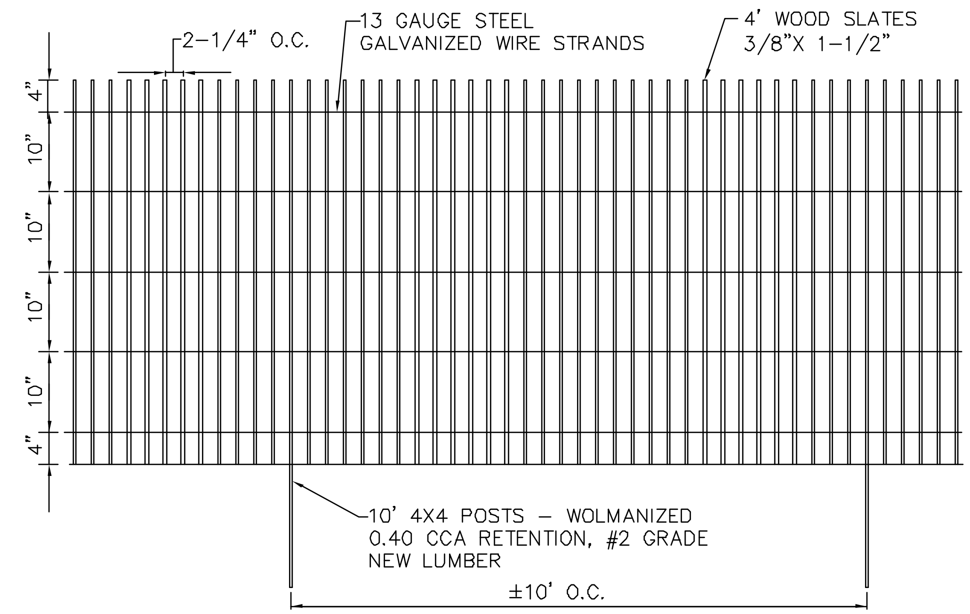
CHALAND HEADLAND RESTORATION (BA-38-2) CWPPRA PROJECT)

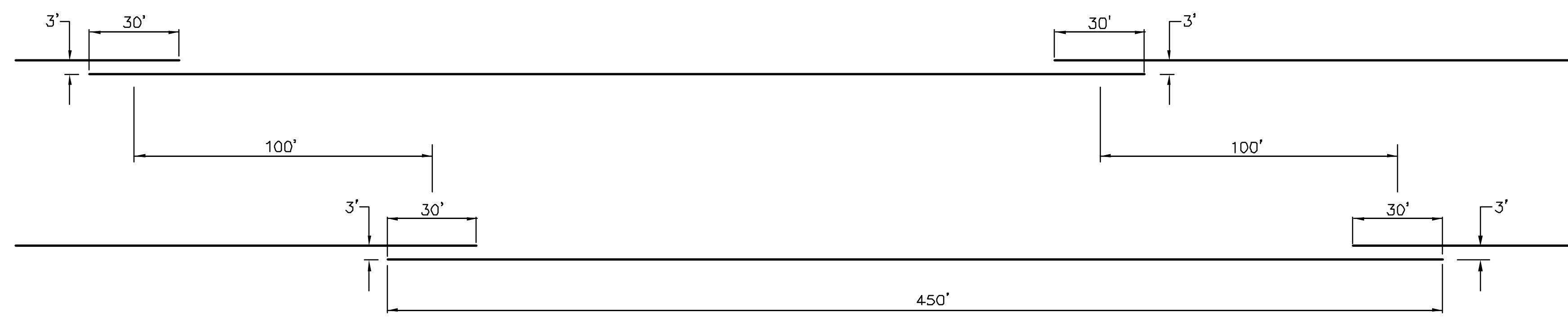
CROSS SECTION DETAILS

DRAWING NO.
DE–1



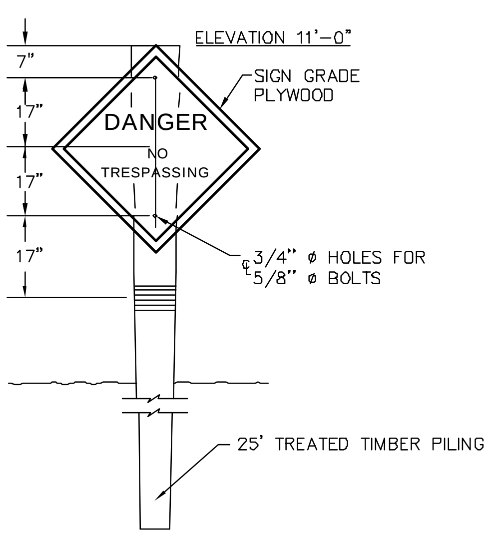
FENCING DETAILS

N.T.S.



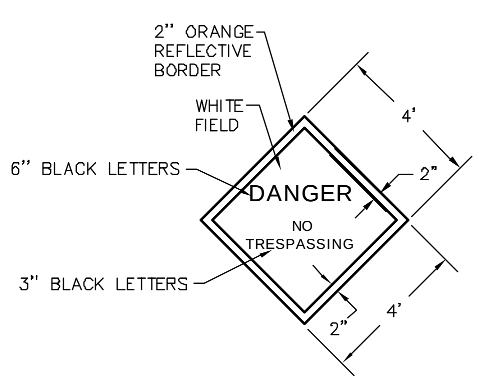
FENCE GAPPING DIMENSIONS

N.T.S.



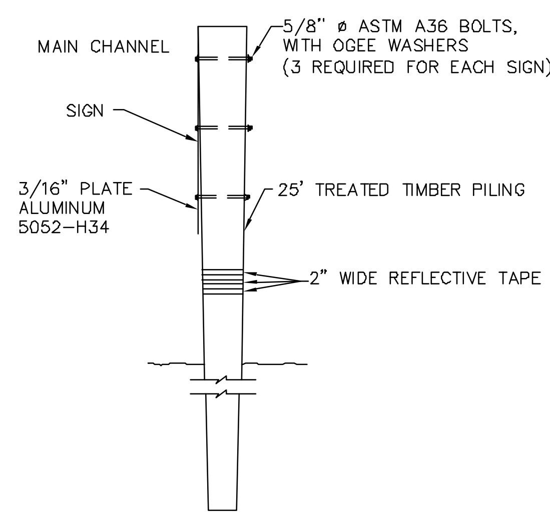
TEMPORARY WARNING SIGN ELEVATION

N.T.S.



SIGN DETAIL

N.T.S.



WARNING SIGN SIDE DETAIL

N.T.S.

GENERAL NOTES:

1. TWO UNLIGHTED WARNING SIGNS SHALL BE INSTALLED AT LOCATIONS AS SHOWN ON PALN VIEWS.
2. THE 2" BORDER ON THE WARNING SIGN WILL BE A REFLECTIVE MATERIAL OF ORANGE COLOR. THE LETTERING FIELD WILL BE A REFLECTIVE MATERIAL OF WHITE COLOR. THE LETTERING FOR THE WARNING SIGNS WILL BE BLACK. ALL SIGNS MUST MEET U.S. COAST GUARD STANDARDS; IN ACCORDANCE WITH 33 CFR 330.4 (a) (1) WHICH CAN BE DOWNLOADED AT http://www.access.gpo.gov/nara/cfr/waisidx_02/33cfr330_02.html
3. NEOPRENE WASHERS SHALL BE PLACED BETWEEN THE SIGN AND THE PILING AT ALL POINTS OF CONTACT.
4. HARDWARE FOR TIMBER CONNECTIONS SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH SECTION 811.5 OF THE LOUISIANA STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES, AS PUBLISHED BY THE LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT, LATEST EDITION.
5. TIMBER PILES SHALL CONFORM TO SECTIONS 804 AND 1014 OF THE LOUISIANA STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES, AS PUBLISHED BY THE LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT, LATEST EDITION. PILES SHALL BE TREATED WITH A CREOSOTE SOLUTION CONFORMING TO AWPA P2 TO A MINIMUM RETENTION OF 16 PCF AND CAPPED ACCORDING TO LA DOTD SPECIFICATION 812.06.
6. TIMBER PILING SHALL BE 25-FEET IN LENGTH WITH A NOMINAL 12-INCH DIAMETER BUTT AND 7-INCH MINIMUM DIAMETER AT THE TIP.

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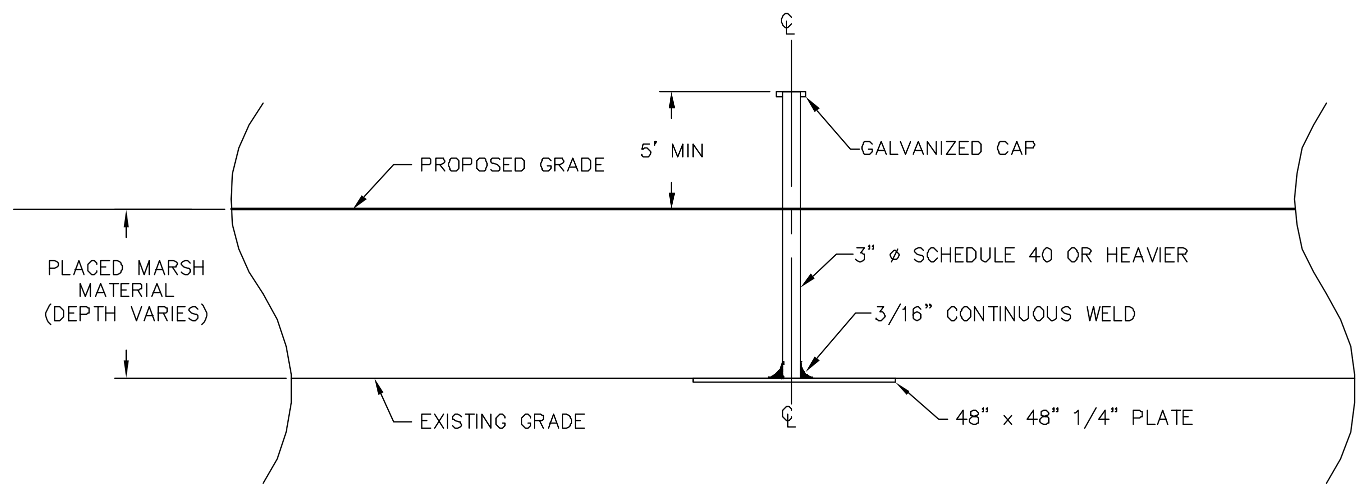
CHALAND HEADLAND RESTORATION (BA-38-2) CWPPRA PROJECT)

SAND FENCING & SIGN DETAILS

DRAWING NO.

DE-2



SETTLEMENT PLATE DETAIL

NOT TO SCALE

SETTLEMENT PLATE LOCATIONS		
PROFILE LINE	STATION	LOCATION
CG4	-0+45	MIDDLE OF SAND DUNE
CG8	-6+00	MARSH
CG13	-14+22	C.L. OF PRIMARY DIKE
CG16	-8+48	MARSH
CG20	-5+50	MARSH
CG24	1+55	MIDDLE OF SAND DUNE
CG28	-8+37	C.L. OF PRIMARY DIKE

NOTE:

1. SETTLEMENT PLATES SHALL BE BUILT USING ASTM A36 STEEL AND HOT-DIPPED GALVANIZED AFTER FABRICATION.

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

CONSTRUCTION DETAILS

DRAWING NO.

DE-3

NOTES:

1. PHOTOGRAPH TAKEN IN 2000.
2. COORDINATES SHOWN HEREON ARE BASED ON LOUISIANA SOUTH STATE PLANE COORDINATE SYSTEM IN FEET, NAD 1983. DISCHARGE AREA.

LEGEND:

- BEACH FILL AREA
- MARSH WORK AREA
- M6 MARSH SECTION LABEL
- B6 BEACH SECTION LABEL

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No.	Date	Description

Reference Files:	Designed by: MJ	Checked by: AB
	Drawn by: RDO	Reviewed by: CD
	Date: 11/07/03	Submitted by: MJ
	Plot Scale: 1"=500'	Comm. No.: 7261.00

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

PAYMENT ACCEPTANCE SECTIONS

DRAWING NO.

PA-1