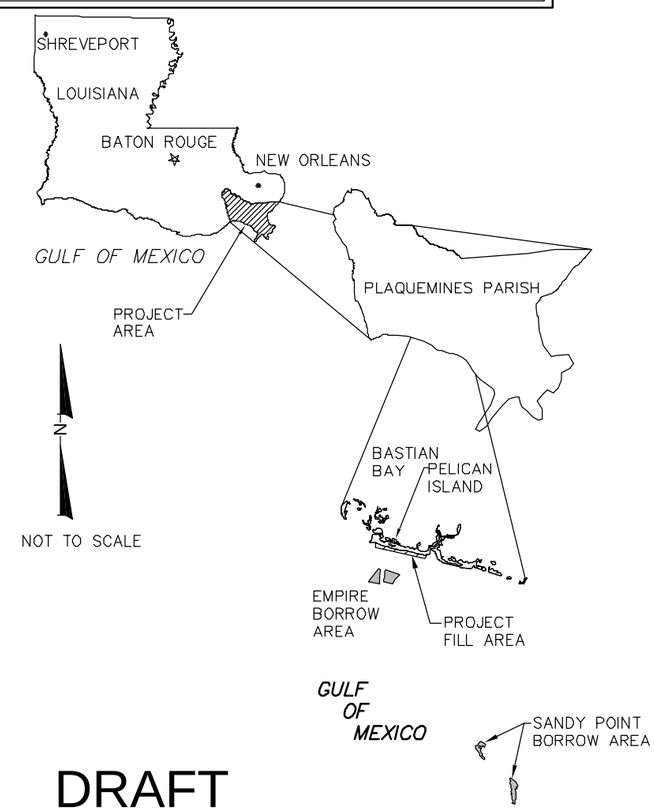
PELICAN ISLAND RESTORATION
(BA-38-1)
CWPPRA PROJECT

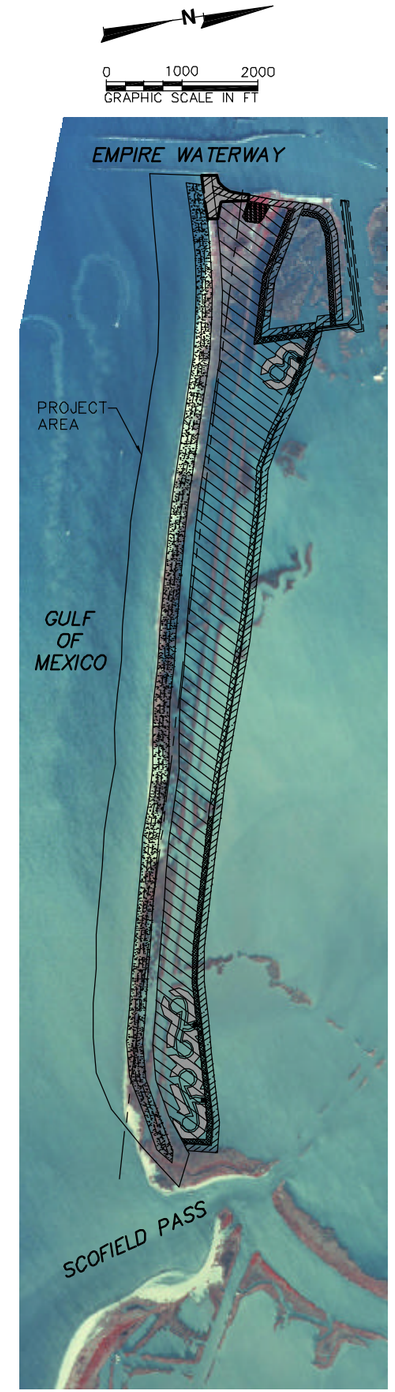
CONTROL DATA

MONUMENT	EASTING	NORTHING	ELEVATION	DESCRIPTION
SG1	3831677.300	278768.200	N/A	Marker to be set by contractor.
SG2_PI1	3832115.000	278650.100	N/A	Marker to be set by contractor.
SG3	3832553.600	278531.700	N/A	Marker to be set by contractor.
SG4	3832991.300	278413.600	N/A	Marker to be set by contractor.
SG5_PI2	3833429.000	278295.500	N/A	Marker to be set by contractor.
SG6	3833867.600	278177.100	N/A	Marker to be set by contractor.
SG7	3834305.300	278059.000	N/A	Marker to be set by contractor.
SG8_PI3	3834743.000	277940.800	N/A	Marker to be set by contractor.
SG9	3835180.600	277822.700	N/A	Marker to be set by contractor.
SG10	3835618.300	277704.600	N/A	Marker to be set by contractor.
SG11_PI4	3836056.000	277586.400	N/A	Marker to be set by contractor.
SG12	3836494.600	277468.100	N/A	Marker to be set by contractor.
SG13	3836932.300	277349.900	N/A	Marker to be set by contractor.
SG14_PI5	3837370.000	277231.800	N/A	Marker to be set by contractor.
SG15	3837808.000	277113.600	N/A	Marker to be set by contractor.
SG16	3838245.900	276995.400	N/A	Marker to be set by contractor.
SG17_PI6	3838683.900	276877.200	N/A	Marker to be set by contractor.
SG18	3839121.600	276759.000	N/A	Marker to be set by contractor.
SG19	3839559.300	276640.900	N/A	Marker to be set by contractor.
SG20_PI7	3839997.000	276522.800	N/A	Marker to be set by contractor.
SG21	3840435.000	276404.600	N/A	Marker to be set by contractor.
SG22	3840873.000	276286.300	N/A	Marker to be set by contractor.
SG23_PI8	3841311.000	276168.100	N/A	Marker to be set by contractor.
SG24	3841749.000	276049.900	N/A	Marker to be set by contractor.
SG25	3842187.000	275931.700	N/A	Marker to be set by contractor.
SG26_PI9	3842624.900	275813.500	N/A	Marker to be set by contractor.
SG27	3843062.600	275695.400	N/A	Marker to be set by contractor.
SG28	3843500.300	275577.200	N/A	Marker to be set by contractor.
SG29PI10	3843938.000	275459.100	N/A	Marker to be set by contractor.
SG30	3844375.000	275341.000	N/A	Marker to be set by contractor.

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

NO.	TITLE
1	COVER SHEET
2	OFFSHORE INFRASTRUCTURE PLAN VIEW
3-5	PROJECT PLAN VIEWS
6	EMPIRE BORROW AREA BATHYMETRY
7	EMPIRE BORROW AREA CROSS SECTIONS
8	SANDY POINT NORTHWEST BORROW AREA BATHYMETRY
9	SANDY POINT NORTHWEST BORROW AREA ELEVATION OF SILT/CLAY-SAND INTERFACE CONTOUR MAP
10	SANDY POINT NORTHWEST BORROW AREA BOTTOM ELEVATION OF SAND CONTOUR MAP
11	SANDY POINT SOUTHEAST BORROW AREA BATHYMETRY
12	SANDY POINT SOUTHEAST BORROW AREA ELEVATION OF SILT/CLAY-SAND INTERFACE CONTOUR MAP
13	SANDY POINT SOUTHEAST BORROW AREA BOTTOM ELEVATION OF SAND CONTOUR MAP
14	SANDY POINT NORTHWEST AND SOUTHEAST BORROW AREA AND DISPOSAL SITE CROSS SECTIONS
15-29	FILL CROSS SECTIONS
30	TYPICAL CANAL CROSS SECTION & TIDAL FEATURE CROSS SECTIONS, AND SETTLEMENT PLATE DETAIL
31	SAND FENCING DETAIL
32-33	PAYMENT ACCEPTANCE SECTIONS





CPE

TETRA TECH, INC.

DRAFT

COASTAL PLANNING & ENGINEERING, INC.
2481 N.W. BOCA RATON BOULEVARD
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: 11/7/03
Plot Scale: 1" = 1000'
Checked by: AB
Reviewed by: CD
Submitted by: MJ
Comm. No: 7261.00

PELICAN ISLAND RESTORATION
(BA-38-1)
CWPPRA PROJECT
COVER SHEET

DRAWING NO.
CS

H:\Leasburn\7261.00\CONSTRUCTION\PELICAN\PELICAN COVERSHEET.dwg

PELICAN ISLAND

SCOFIELD ISLAND

PROJECT FILL AREA

WD5

SCOFIELD PASS

WD6

WD4

EMPIRE BORROW AREA

BAY JAQUE

SANDY POINT

N

0 1500 3000
GRAPHIC SCALE IN FT

E 3829000

E 3849000

E 3869000

E 3889000

N 260000

N 240000

N 220000

E 240000

GULF OF MEXICO

WD22

NORTHWEST DISPOSAL SITE

WD27

WD26

SOUTHEAST DISPOSAL SITE

SANDY POINT BORROW AREA

WD48

WD49

DRAFT

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
DENOTES PLATFORMS

NOTE: PIPELINE LOCATIONS SHOWN ARE FROM DATABASE IDENTIFIED IN NOTE 3. SOME OF THESE HAVE BEEN FIELD VERIFIED BY MAG SURVEY NEAR BORROW AREAS (SEE SHEETS 6, 8–13). EXTENSIONS OF THOSE SHOWN ARE POSSIBLE AND MUST BE VERIFIED BY CONTRACTOR BEFORE CONSTRUCTION IS EXECUTED IN SPECIFIC AREAS.

COASTAL PLANNING & ENGINEERING, INC.
2481 N.W. BOCA RATON BOULEVARD
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: 11/7/03
Plot Scale: 1"=3000'
Checked by: AB
Reviewed by: CD
Submitted by: MJ
Comm. No: 7261.00

PELICAN ISLAND RESTORATION
(BA-38-1)
CWPPRA PROJECT

OFFSHORE INFRASTRUCTURE
PLAN VIEW

DRAWING NO.

LO-1

SHEET 2 OF 33

H:\Louisiana\7261.00\CONSTRUCTION\PELICAN\PELICAN OFFSHORE INFRASTRUCTURE

MOBILIZATION OF LAND BASE EQUIPMENT PRIOR TO APRIL 15, 2004 (SEE TECHNICAL SPECIFICATIONS)

LOCATION OF INFRASTRUCTURE (WELLHEADS, PIPELINES, ETC.) ARE FOR INFORMATIONAL PURPOSES ONLY TO DEMONSTRATE COMPLEXITY OF AREA. CONTRACTOR SHALL CONFIRM LOCATIONS AND REFER TO MAGNETOMETER SURVEY PREPARED BY MPH (MORRIS P. HEBERT, INC). IF INFRASTRUCTURE IS ENCOUNTERED, CONSTRUCTION SHALL IMMEDIATELY CEASE.

N

0 200 400
GRAPHIC SCALE IN FT

REMOVE PORTIONS OF EXISTING PILES AS NEEDED

WORK ACCESS CORRIDOR (EXISTING)

EXISTING STRUCTURE

EXXON 8" CRUDE (ABANDONED)

PROFILE LINES (TYP)

ACCESS CANAL (TO BE DREDGED)

TIDAL FEATURE (SEE SHEET 30 FOR DETAILS)

LANDWARD LIMIT OF FILL (PRIMARY DIKE)

NO EXCAVATION AREA UNLESS CONTRACTOR COORDINATES EXCAVATION IN THIS AREA WITH PIPELINE OWNERS (CONTRACTOR TO USE EXTREME CAUTION IN THIS AREA)

BACKFILL AFTER CONSTRUCTION TO EXISTING GRADE

TEMPORARY FLOATATION CANAL FOR CONSTRUCTION BARGE AND FILL SOURCE FOR CONSTRUCTING PRIMARY DIKE

EXISTING PILES

TURBIDITY CURTAIN

PROMIX 8" LPG MIX/TPG 200 GAS

WATER DISCHARGE AREA (NO CONSTRUCTION ACTIVITIES OR MARSH BUGGIES ALLOWED WITH IN DISCHARGE AREA)

200' ZONE

PROJECT BASELINE

UPON COMPLETION OF THIS PROJECT, THE PRIMARY DIKES SHALL BE LEFT IN PLACE BY THE CONTRACTOR. THE CONTRACTOR SHALL EXERCISE CARE TO MAINTAIN THE PRIMARY DIKES AT THE DESIGN ELEVATIONS DURING THE PROJECT AND SHALL PREVENT ANY BREACHES OF THE DIKES FOR THE DURATION OF THIS PROJECT. ALTHOUGH THE GOVERNMENT PLANS TO EVENTUALLY BREACH THE PRIMARY DIKES IN THE FUTURE NO BREACHES WILL BE ALLOWED THROUGH THE COMPLETION OF THE PROJECT

REWORK EXISTING MATERIAL IN THIS AREA

CONSTRUCTION ACCESS FOR LAND BASED EQUIPMENT

SUGGESTED STAGING AREA

EMPIRE JETTY

EMPIRE WATERWAY AND JETTIES (USACE AUTHORIZED PROJECT)

SETTLEMENT PLATE (TYP)

SAND FENCE

LANDWARD TOE OF DUNE

LANDWARD DUNE CREST

SEAWARD DUNE CREST

SEAWARD LIMIT OF FILL

GULF OF MEXICO

EQUILON PIPELINE COMPANY LLC/SHELL 12" CRUDE

CHEVRON 8" GAS 6" CRUDE

SG1 SG2/PI1 SG3 SG4 SG5/PI2 SG6 SG7 SG8/PI3 SG9

MATCHLINE SEE SHEET 4

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
- PROPOSED MARSH TIDAL FEATURE DEPOSITION (OPTIONAL)
- SAND FENCING
- WATER CONTROL STRUCTURE
- BATHYMETRIC DATA (CPE 8/03)
- SUGGESTED STAGING AREA
- LAND REWORK AREA
- SETTLEMENT PLATE
- EXISTING INFRASTRUCTURE

COASTAL PLANNING & ENGINEERING, INC.
2481 N.W. BOCA RATON BOULEVARD
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: 11/7/03
Plot Scale: 1" =200'
Checked by: AB
Reviewed by: CD
Submitted by: MJ
Comm. No: 7261.00

PELICAN ISLAND RESTORATION (BA-38-1) CWPPRA PROJECT

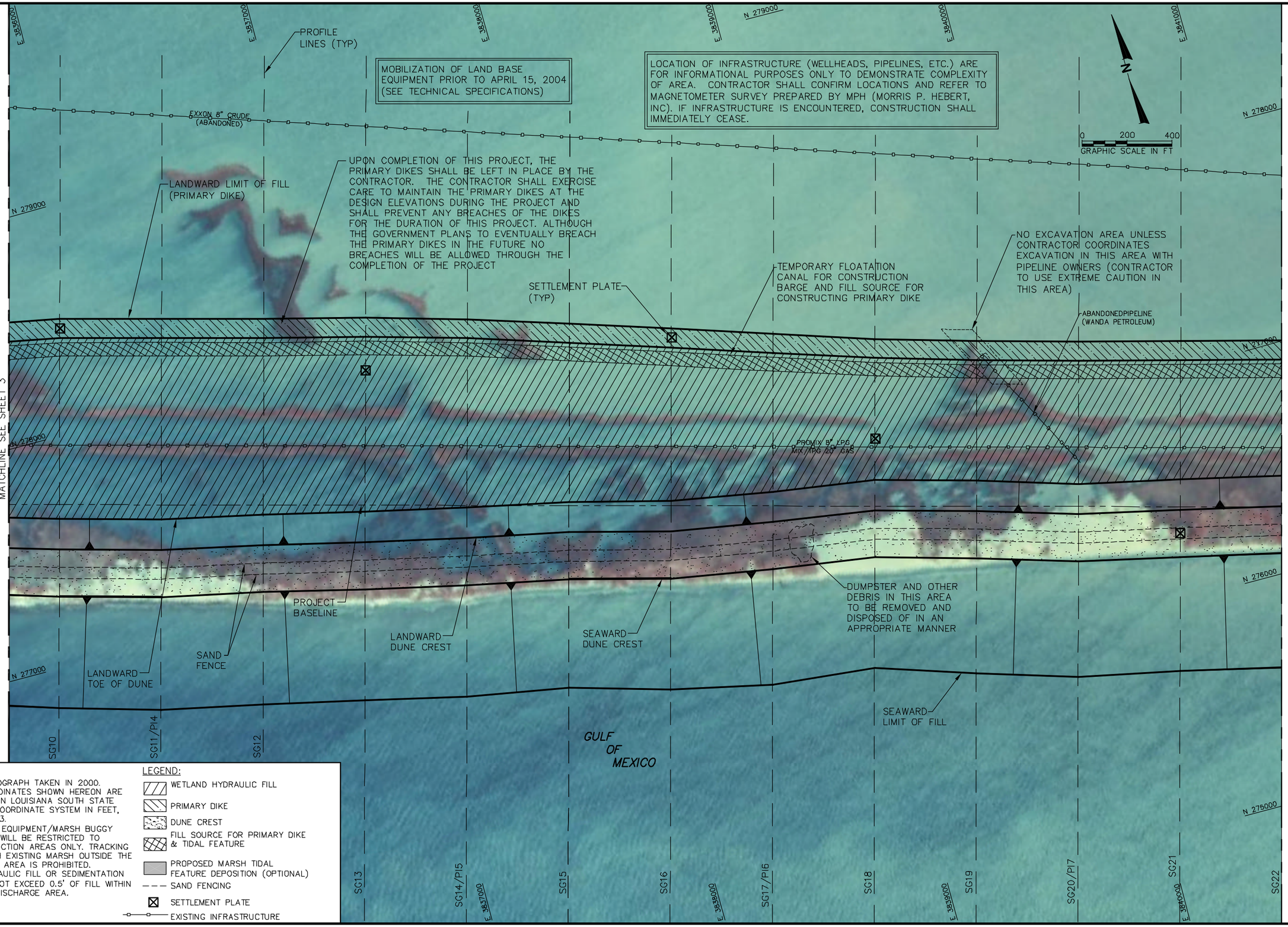
PLAN VIEW

DRAWING NO.

PV-1

SHEET 3 OF 33

H:\Lisa\Bert\7261\00\CONSTRUCTION\PELICAN\PELICAN 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
- PROPOSED MARSH TIDAL FEATURE DEPOSITION (OPTIONAL)
- SAND FENCING
- SETTLEMENT PLATE
- EXISTING INFRASTRUCTURE

COASTAL PLANNING & ENGINEERING, INC.
2481 N.W. BOCA RATON BOULEVARD
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: 11/7/03
Plot Scale: 1"=200'
Checked by: AB
Reviewed by: CD
Submitted by: MJ
Comm. No.: 7261.00

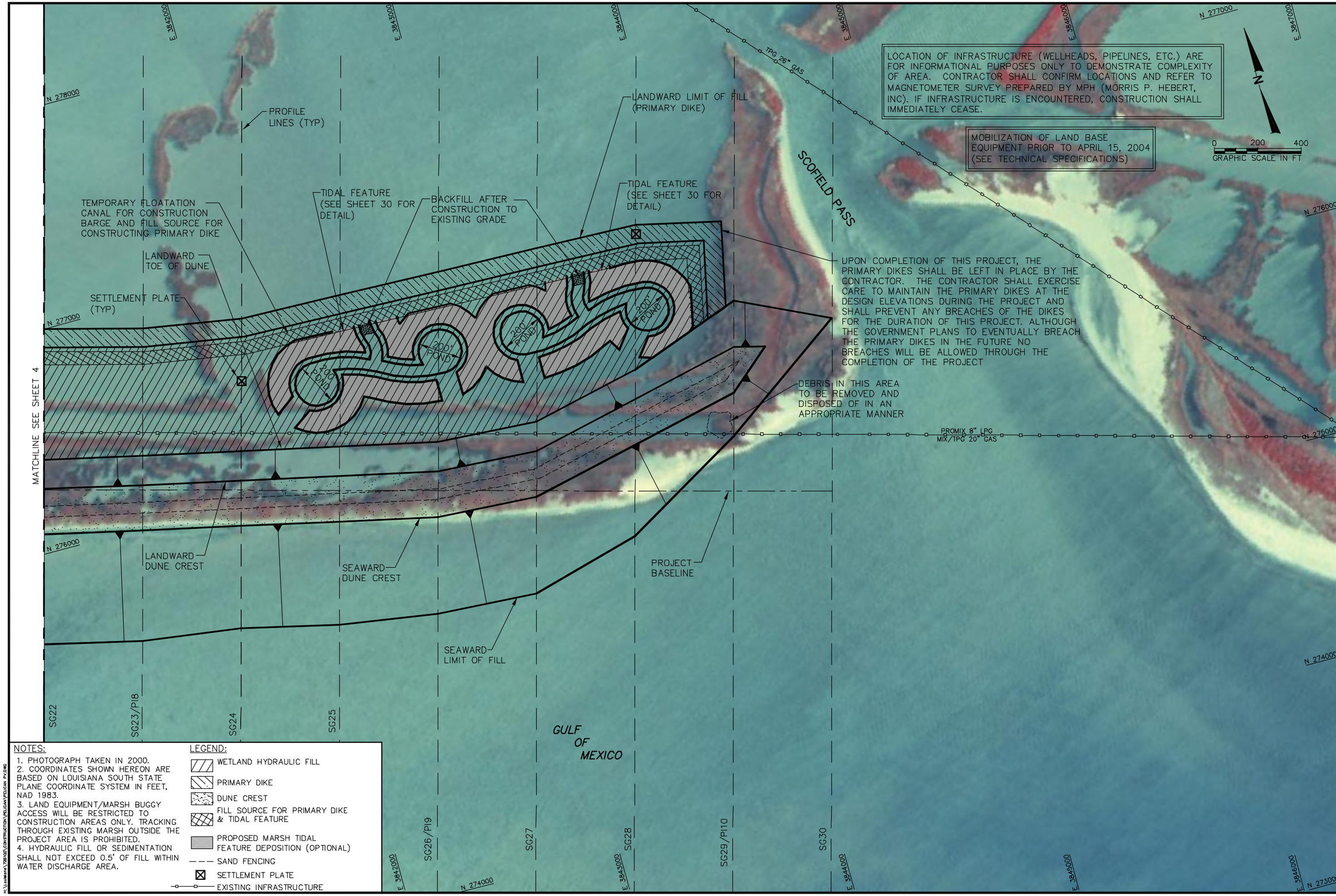
PELICAN ISLAND RESTORATION (BA-38-1) CWPPRA PROJECT

PLAN VIEW

DRAWING NO.

PV-2

SHEET 4 OF 33



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
- PROPOSED MARSH TIDAL FEATURE DEPOSITION (OPTIONAL)
- SAND FENCING
- SETTLEMENT PLATE
- EXISTING INFRASTRUCTURE

COASTAL PLANNING & ENGINEERING, INC.
2481 N.W. BOCA RATON BOULEVARD
BOCA RATON, FLORIDA 33431
PH. (561) 391-8102
FAX (561) 391-9116
FLA. #COA 4028
www.CoastalPlanning.net

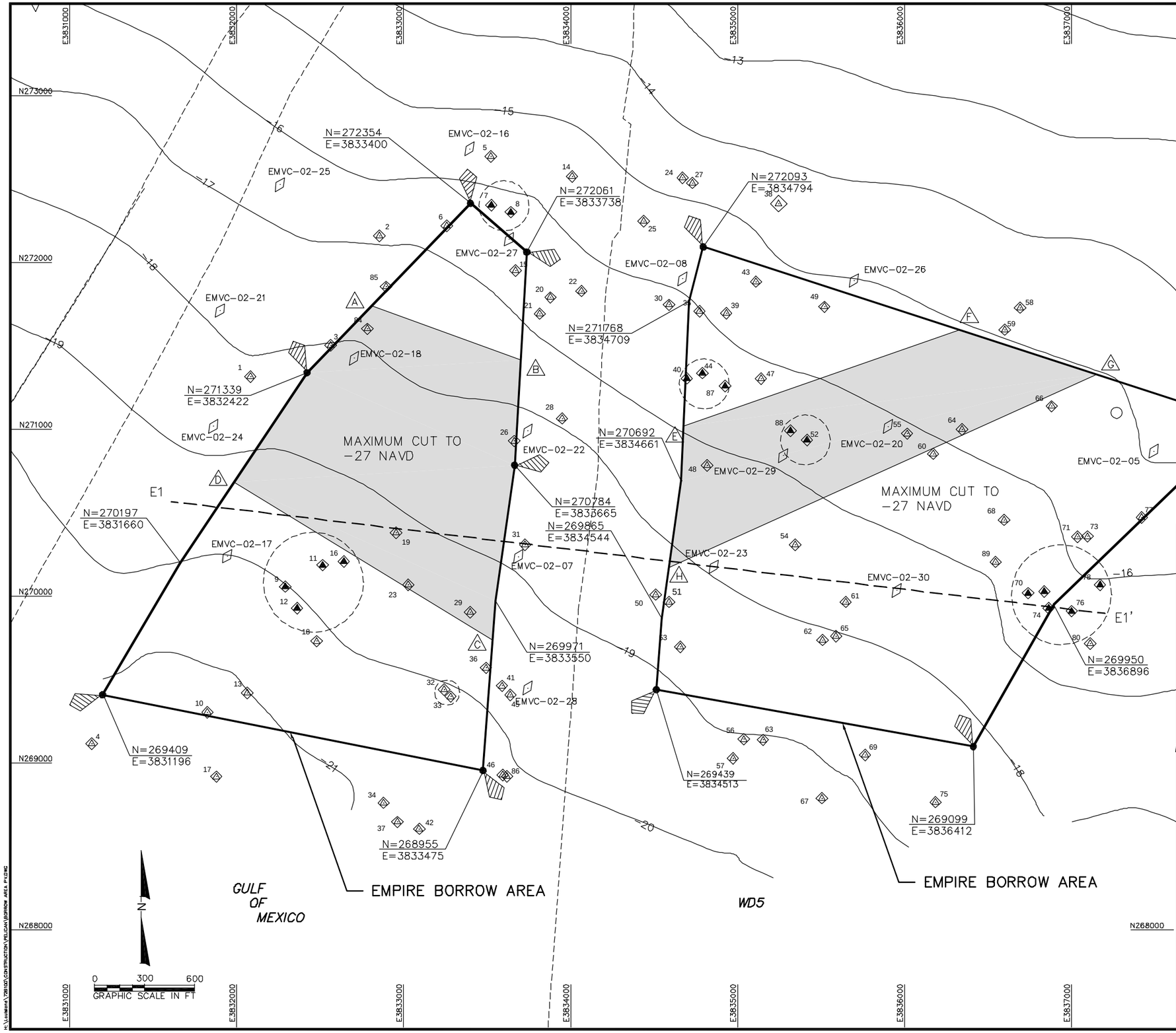
No.	Date	Description

Checked by: AB
Reviewed by: CD
Submitted by: MJ
Comm. No.: 7261.00
Designed by: MJ
Drawn by: TW
Date: 11/7/03
Plot Scale: 1"=200'
Reference Files:

PELICAN ISLAND RESTORATION
(BA-38-1)
CWPPRA PROJECT
PLAN VIEW

DRAWING NO.
PV-3
SHEET 5 OF 33

H:\Louisiana\29180\CONSTRUCTION\PELICAN\PELICAN PV.DWG



DRAFT

BORROW AREA–INTERIOR COORDINATE TABLE

ID	X	Y
A	3832809	271740
B	3833701	271415
C	3833532	269735
D	3831984	270682
E	3834676	271021
F	3836327	271595
G	3837148	271328
H	3834588	270172

LEGEND:

- CPE 2002 VIBRACORE LOCATION
- PIPELINES
- MAGNETIC ANOMALY FROM CPE GEOTECHNICAL SURVEY
- UNIDENTIFIED MAGNETIC ANOMALY WITH REFERENCE NUMBER
- UNIDENTIFIED MAGNETIC ANOMALY RECOMMENDED FOR INVESTIGATION OR AVOIDANCE WITH REFERENCE NUMBER
- BLOCK LINE
- WD5 BLOCK NUMBER
- BSS CORE LOCATIONS (FROM USGS FILE REPORT NO. 01–384, DATED SEPTEMBER 2001, APPENDIX B CD ROM)
- PRIMARY DREDGE AREA (SILT/CLAY/SAND)
- 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 AUGUST 4–12, 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. 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;, AND SOME GROUND TRUTHING BY CPE.

COASTAL PLANNING & ENGINEERING, INC.
2481 N.W. BOCA RATON BOULEVARD
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: AMB
Date: 11/7/03
Plot Scale: 1"=400'
Checked by: AB
Reviewed by: CD
Submitted by: MJ
Comm. No.: 7261.00

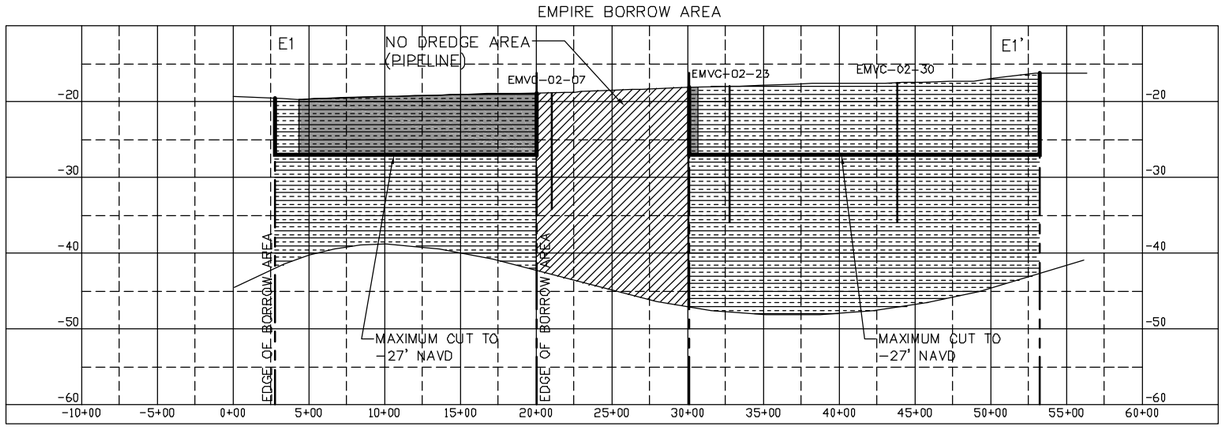
PELICAN ISLAND RESTORATION
(BA–38–1)
CWPPRA PROJECT

EMPIRE BORROW AREA
BATHYMETRY

DRAWING NO.
BA–1

SHEET 6 OF 33

EMPIRE BORROW AREA



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 SHEET 6 FOR LOCATION OF CROSS SECTION LINES
4. ELEVATIONS SHOWN HEREON ARE IN FEET BASED ON NAVD 88.

LEGEND:

- SILT/CLAY/SAND (PRIMARY DREDGE AREA)
- SILT/CLAY LAYER
- NO DREDGE AREA (PIPELINE)

DRAFT

SCALE:
1" = 500' HORIZONTALLY
1" = 10' VERTICALLY

COASTAL PLANNING & ENGINEERING, INC.
2481 N.W. BOCA RATON BOULEVARD
BOCA RATON, FLORIDA 33431
PH. (561) 391-8102
FAX (561) 391-9116
FLA. #COA 4028
www.CoastalPlanning.net

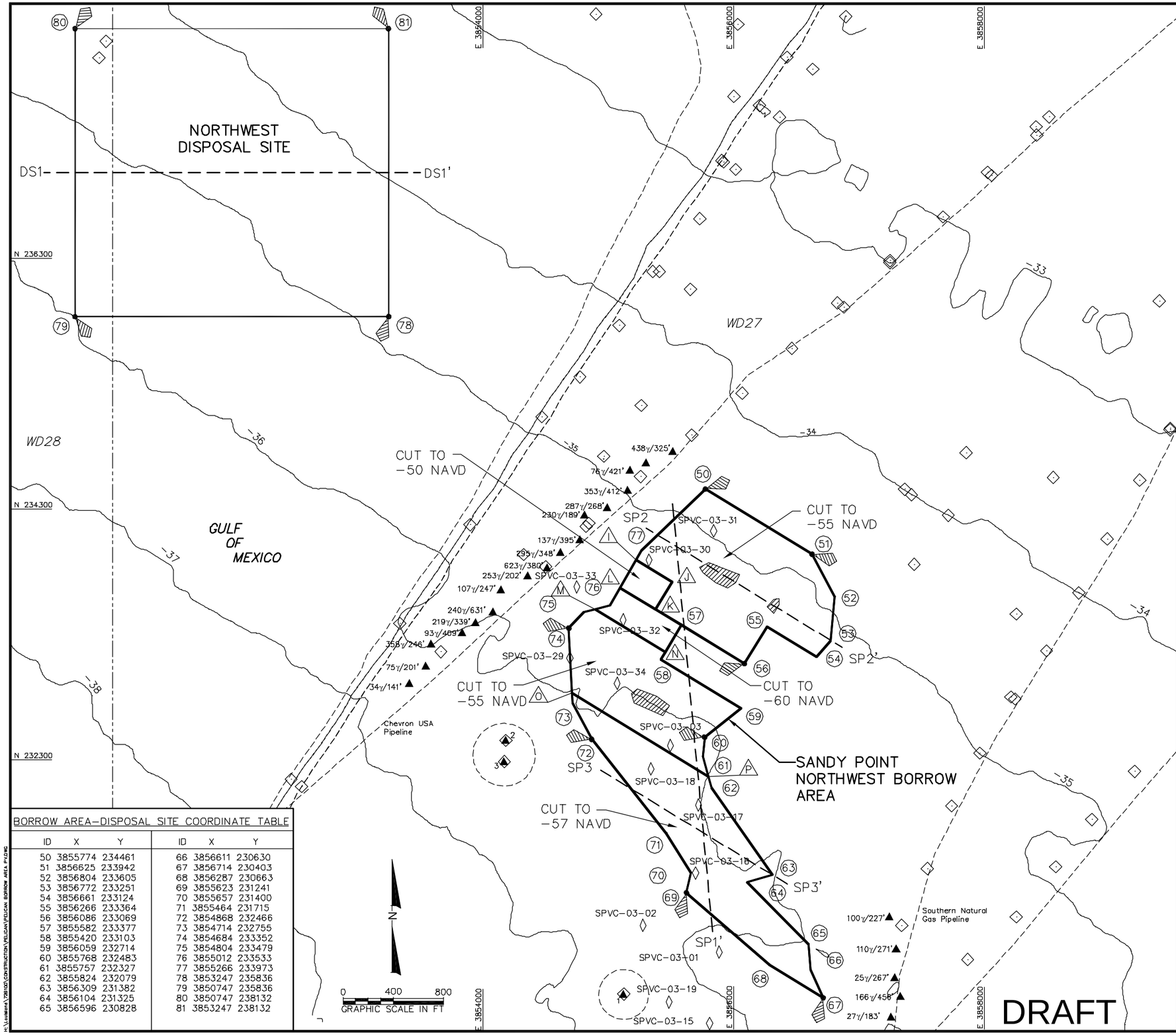
No.	Date	Description

Reference Files:
Designed by: MJ
Drawn by: TW
Date: 11/7/03
Plot Scale: AS NOTED
Checked by: AB
Reviewed by: CD
Submitted by: MJ
Comm. No.: 7261.00

PELICAN ISLAND RESTORATION
(BA-38-1)
CWPPRA PROJECT
EMPIRE BORROW AREA
CROSS SECTIONS

DRAWING NO.
BA-2

H:\Louisiana\7261.00\CONSTRUCTION\PELICAN\PELICAN BORROW AREA Cross Sections.DWG



BORROW AREA–INTERIOR COORDINATE TABLE

ID	X	Y
I	3855221	233897
J	3855510	233721
K	3855377	233501
L	3855093	233674
M	3854895	233502
N	3855454	233162
O	3854710	232833
P	3855800	232169

BORROW AREA–DISPOSAL SITE COORDINATE TABLE

ID	X	Y	ID	X	Y
50	3855774	234461	66	3856611	230630
51	3856625	233942	67	3856714	230403
52	3856804	233605	68	3856287	230663
53	3856772	233251	69	3855623	231241
54	3856661	233124	70	3855657	231400
55	3856266	233364	71	3855464	231715
56	3856086	233069	72	3854868	232466
57	3855582	233377	73	3854714	232755
58	3855420	233103	74	3854684	233352
59	3856059	232714	75	3854804	233479
60	3855768	232483	76	3855012	233533
61	3855757	232327	77	3855266	233973
62	3855824	232079	78	3853247	235836
63	3856309	231382	79	3850747	235836
64	3856104	231325	80	3850747	238132
65	3856596	230828	81	3853247	238132

LEGEND:

- CPE 2002 VIBRACORE LOCATION
- PIPELINES
- MAGNETIC ANOMALY FROM CPE GEOTECHNICAL SURVEY
- 438γ/325' — IDENTIFIED MAGNETIC ANOMALY WITH AMPLITUDE IN GAMMAS/DURATION IN FEET
- 2 — UNIDENTIFIED MAGNETIC ANOMALY RECOMMENDED FOR INVESTIGATION OR AVOIDANCE WITH REFERENCE NUMBER
- BLOCK LINE
- WD5 — BLOCK NUMBER
- 59 — BORROW AREA/DISPOSAL SITE COORDINATE ID LABEL
- A — BORROW AREA INTERIOR COORDINATE ID LABEL
- AREA DEVOID OF SAND
- 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 AUGUST 4–12, 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. 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;, AND SOME GROUND TRUTHING BY CPE.
8. OVERBURDEN MATERIALS ARE SUITABLE FOR MARSH HYDRAULIC PLACEMENT.

COASTAL PLANNING & ENGINEERING, INC.
2481 N.W. BOCA RATON BOULEVARD
BOCA RATON, FLORIDA 33431
PH. (561) 391-8102
FAX (561) 391-9116
FLA. #COA 4028
www.CoastalPlanning.net

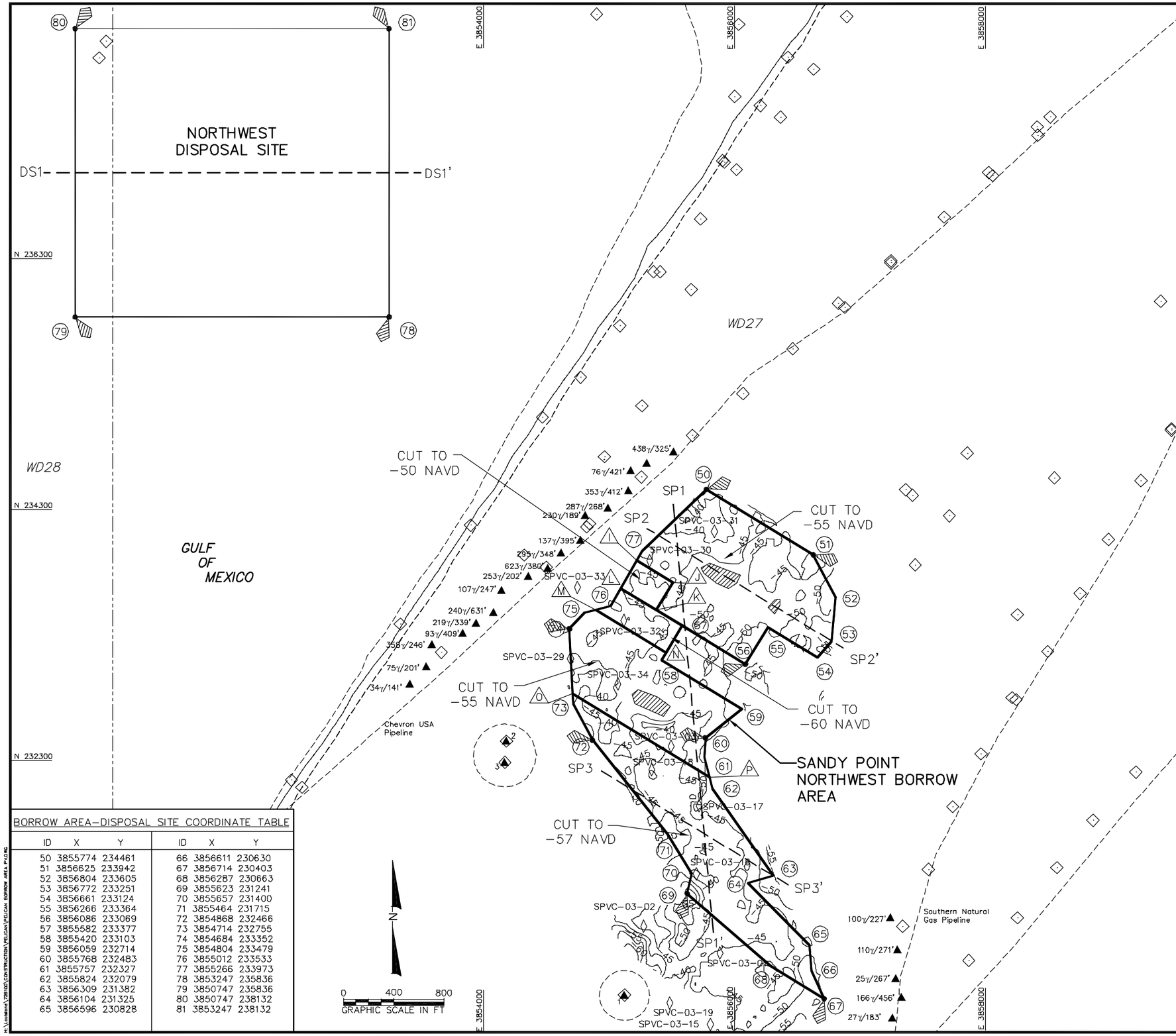
No.	Date	Description

Reference Files:
Designed by: MJ
Checked by: AB
Drawn by: AMB
Reviewed by: CD
Date: 11/7/03
Submitted by: MJ
Plot Scale: 1" =400'
Comm. No: 7261.00

PELICAN ISLAND RESTORATION
(BA-38-1)
CWPPRA PROJECT
SANDY POINT
NW BORROW AREA & DISPOSAL SITE
BATHYMETRY

DRAWING NO.
BA–3

H:\Louisiana\72610D\CONSTRUCTION\PELICAN\PELICAN BORROW AREA PV.DWG



DRAFT

BORROW AREA–INTERIOR COORDINATE TABLE

ID	X	Y
I	3855221	233897
J	3855510	233721
K	3855377	233501
L	3855093	233674
M	3854895	233502
N	3855454	233162
O	3854710	232833
P	3855800	232169

BORROW AREA–DISPOSAL SITE COORDINATE TABLE

ID	X	Y	ID	X	Y
50	3855774	234461	66	3856611	230630
51	3856625	233942	67	3856714	230403
52	3856804	233605	68	3856287	230663
53	3856772	233251	69	3855623	231241
54	3856661	233124	70	3855657	231400
55	3856266	233364	71	3855464	231715
56	3856086	233069	72	3854868	232466
57	3855582	233377	73	3854714	232755
58	3855420	233103	74	3854684	233352
59	3856059	232714	75	3854804	233479
60	3855768	232483	76	3855012	233533
61	3855757	232327	77	3855266	233973
62	3855824	232079	78	3853247	235836
63	3856309	231382	79	3850747	235836
64	3856104	231325	80	3850747	238132
65	3856596	230828	81	3853247	238132

LEGEND:

- CPE 2002 VIBRACORE LOCATION
- PIPELINES
- MAGNETIC ANOMALY FROM CPE GEOTECHNICAL SURVEY
- 438γ/325' — IDENTIFIED MAGNETIC ANOMALY WITH AMPLITUDE IN GAMMAS/DURATION IN FEET
- 2 — UNIDENTIFIED MAGNETIC ANOMALY RECOMMENDED FOR INVESTIGATION OR AVOIDANCE WITH REFERENCE NUMBER
- BLOCK LINE
- WD5 — BLOCK NUMBER
- 59 — BORROW AREA/DISPOSAL SITE COORDINATE ID LABEL
- A — BORROW AREA INTERIOR COORDINATE ID LABEL
- AREA DEVOID OF SAND
- 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 AUGUST 4–12, 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. 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;, AND SOME GROUND TRUTHING BY CPE.
8. CONTOURS REPRESENT ELEVATION OF TOP OF SAND LAYER.
9. OVERBURDEN MATERIALS ARE SUITABLE FOR MARSH HYDRAULIC PLACEMENT.

COASTAL PLANNING & ENGINEERING, INC.
2481 N.W. BOCA RATON BOULEVARD
BOCA RATON, FLORIDA 33431
PH. (561) 391-8102
FAX (561) 391-9116
FLA. #COA 4028
www.CoastalPlanning.net

No.	Date	Description

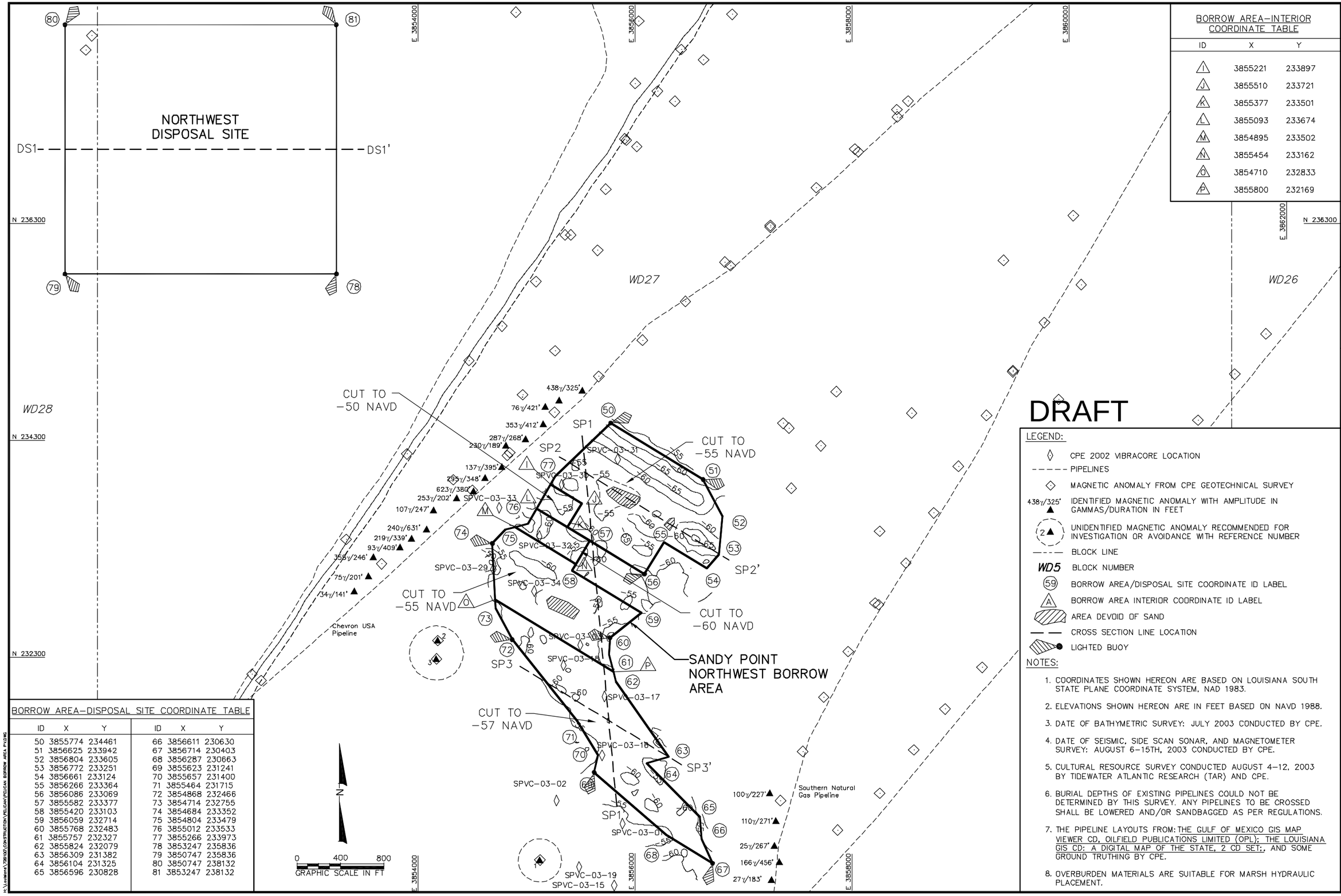
Reference Files:
Designed by: MJ
Drawn by: AMB
Date: 11/7/03
Plot Scale: 1"=400'
Checked by: AB
Reviewed by: CD
Submitted by: MJ
Comm. No.: 7261.00

PELICAN ISLAND RESTORATION (BA–38–1)
CMPRA PROJECT
SANDY POINT NW BORROW AREA
ELEVATION OF SILT/CLAY – SAND INTERFACE CONTOUR MAP

DRAWING NO.
BA–4

SHEET 9 OF 33

H:\Louisiana\72610\CONSTRUCTION\PELICAN\PELICAN BORROW AREA P.DWG



DRAFT

BORROW AREA–INTERIOR COORDINATE TABLE

ID	X	Y
I	3855221	233897
J	3855510	233721
K	3855377	233501
L	3855093	233674
M	3854895	233502
N	3855454	233162
O	3854710	232833
P	3855800	232169

BORROW AREA–DISPOSAL SITE COORDINATE TABLE

ID	X	Y	ID	X	Y
50	3855774	234461	66	3856611	230630
51	3856625	233942	67	3856714	230403
52	3856804	233605	68	3856287	230663
53	3856772	233251	69	3855623	231241
54	3856661	233124	70	3855657	231400
55	3856266	233364	71	3855464	231715
56	3856086	233069	72	3854868	232466
57	3855582	233377	73	3854714	232755
58	3855420	233103	74	3854684	233352
59	3856059	232714	75	3854804	233479
60	3855768	232483	76	3855012	233533
61	3855757	232327	77	3855266	233973
62	3855824	232079	78	3853247	235836
63	3856309	231382	79	3850747	235836
64	3856104	231325	80	3850747	238132
65	3856596	230828	81	3853247	238132

LEGEND:

- CPE 2002 VIBRACORE LOCATION
- PIPELINES
- MAGNETIC ANOMALY FROM CPE GEOTECHNICAL SURVEY
- 438γ/325' — IDENTIFIED MAGNETIC ANOMALY WITH AMPLITUDE IN GAMMAS/DURATION IN FEET
- 2 — UNIDENTIFIED MAGNETIC ANOMALY RECOMMENDED FOR INVESTIGATION OR AVOIDANCE WITH REFERENCE NUMBER
- BLOCK LINE
- WD5 — BLOCK NUMBER
- 59 — BORROW AREA/DISPOSAL SITE COORDINATE ID LABEL
- A — BORROW AREA INTERIOR COORDINATE ID LABEL
- AREA DEVOID OF SAND
- 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 AUGUST 4–12, 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. 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;, AND SOME GROUND TRUTHING BY CPE.
8. OVERBURDEN MATERIALS ARE SUITABLE FOR MARSH HYDRAULIC PLACEMENT.

COASTAL PLANNING & ENGINEERING, INC.
2481 N.W. BOCA RATON BOULEVARD
BOCA RATON, FLORIDA 33431
PH. (561) 391-8102
FAX (561) 391-9116
FLA. #COA 4028
www.CoastalPlanning.net

No.	Date	Description

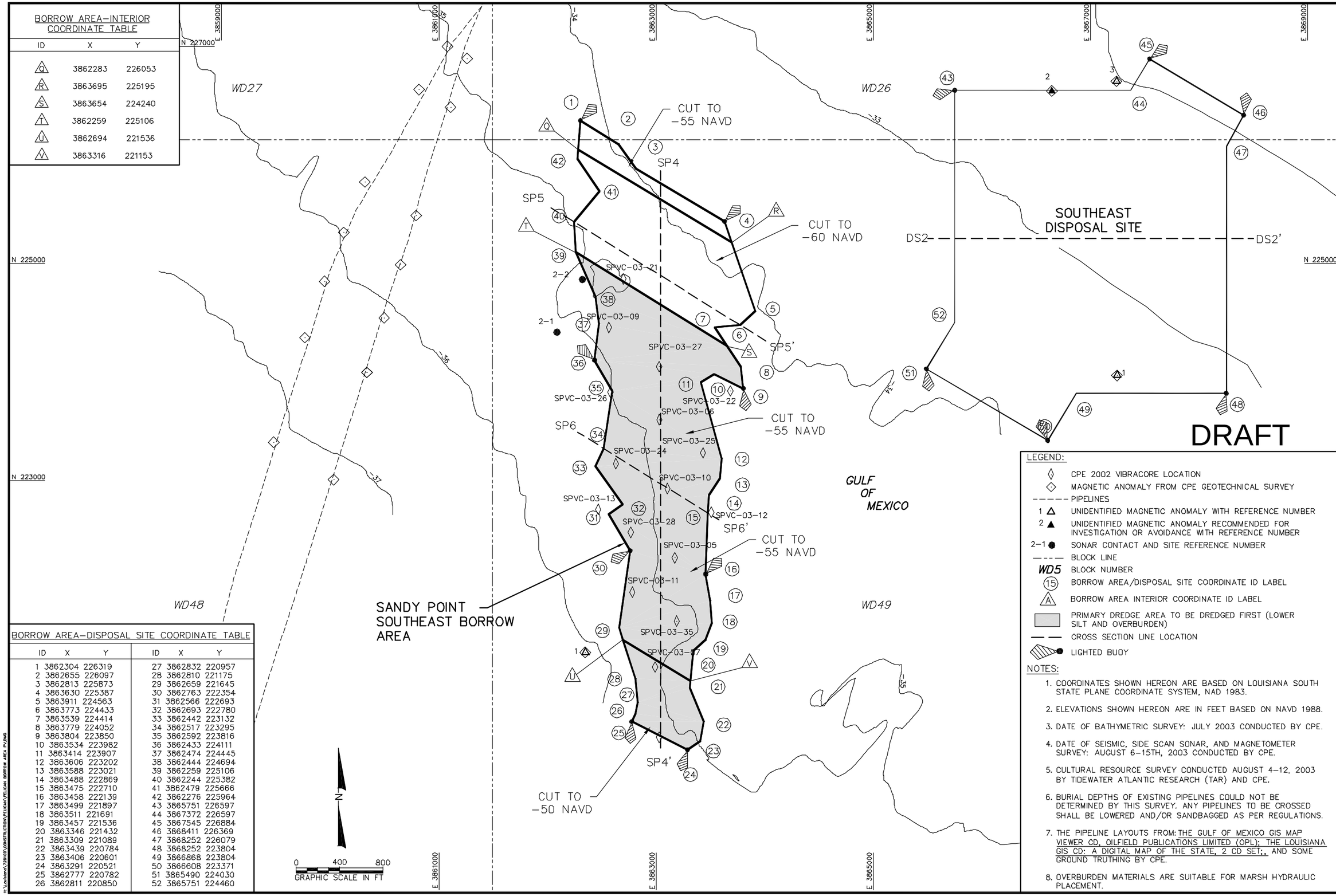
Reference Files:
Designed by: MJ
Drawn by: AMB
Date: 11/7/03
Plot Scale: 1" = 400'
Checked by: AB
Reviewed by: CD
Submitted by: MJ
Comm. No.: 7261.00

PELICAN ISLAND RESTORATION (BA-38-1)
CWPPRA PROJECT
SANDY POINT NW BORROW AREA
BOTTOM ELEVATION OF SAND
CONTOUR MAP

DRAWING NO.
BA–5

SHEET 10 OF 33

H:\Louisiana\7261.00\CONSTRUCTION\PELICAN\PELICAN BORROW AREA PV.DWG



BORROW AREA–INTERIOR COORDINATE TABLE

ID	X	Y
Q	3862283	226053
R	3863695	225195
S	3863654	224240
T	3862259	225106
U	3862694	221536
V	3863316	221153

BORROW AREA–DISPOSAL SITE COORDINATE TABLE

ID	X	Y	ID	X	Y
1	3862304	226319	27	3862832	220957
2	3862655	226097	28	3862810	221175
3	3862813	225873	29	3862659	221645
4	3863630	225387	30	3862763	222354
5	3863911	224563	31	3862566	222693
6	3863773	224433	32	3862693	222780
7	3863539	224414	33	3862442	223132
8	3863779	224052	34	3862517	223295
9	3863804	223850	35	3862592	223816
10	3863534	223982	36	3862433	224111
11	3863414	223907	37	3862474	224445
12	3863606	223202	38	3862444	224694
13	3863588	223021	39	3862259	225106
14	3863488	222869	40	3862244	225382
15	3863475	222710	41	3862479	225666
16	3863458	222139	42	3862276	225964
17	3863499	221897	43	3865751	226597
18	3863511	221691	44	3867372	226597
19	3863457	221536	45	3867545	226884
20	3863346	221432	46	3868411	226369
21	3863309	221089	47	3868252	226079
22	3863439	220784	48	3868252	223804
23	3863406	220601	49	3866868	223804
24	3863291	220521	50	3866608	223371
25	3862777	220782	51	3865490	224030
26	3862811	220850	52	3865751	224460

LEGEND:

- CPE 2002 VIBRACORE LOCATION
- MAGNETIC ANOMALY FROM CPE GEOTECHNICAL SURVEY
- PIPELINES
- 1 UNIDENTIFIED MAGNETIC ANOMALY WITH REFERENCE NUMBER
- 2 UNIDENTIFIED MAGNETIC ANOMALY RECOMMENDED FOR INVESTIGATION OR AVOIDANCE WITH REFERENCE NUMBER
- 2–1 SONAR CONTACT AND SITE REFERENCE NUMBER
- BLOCK LINE
- WD5 BLOCK NUMBER
- 15 BORROW AREA/DISPOSAL SITE COORDINATE ID LABEL
- A BORROW AREA INTERIOR COORDINATE ID LABEL
- PRIMARY DREDGE AREA TO BE DREDGED FIRST (LOWER SILT AND OVERBURDEN)
- 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 AUGUST 4–12, 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. 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;, AND SOME GROUND TRUTHING BY CPE.
8. OVERBURDEN MATERIALS ARE SUITABLE FOR MARSH HYDRAULIC PLACEMENT.

COASTAL PLANNING & ENGINEERING, INC.
2481 N.W. BOCA RATON BOULEVARD
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: AB
Date: 11/7/03
Plot Scale: 1" = 400'
Checked by: AB
Reviewed by: CD
Submitted by: MJ
Comm. No.: 7261.00

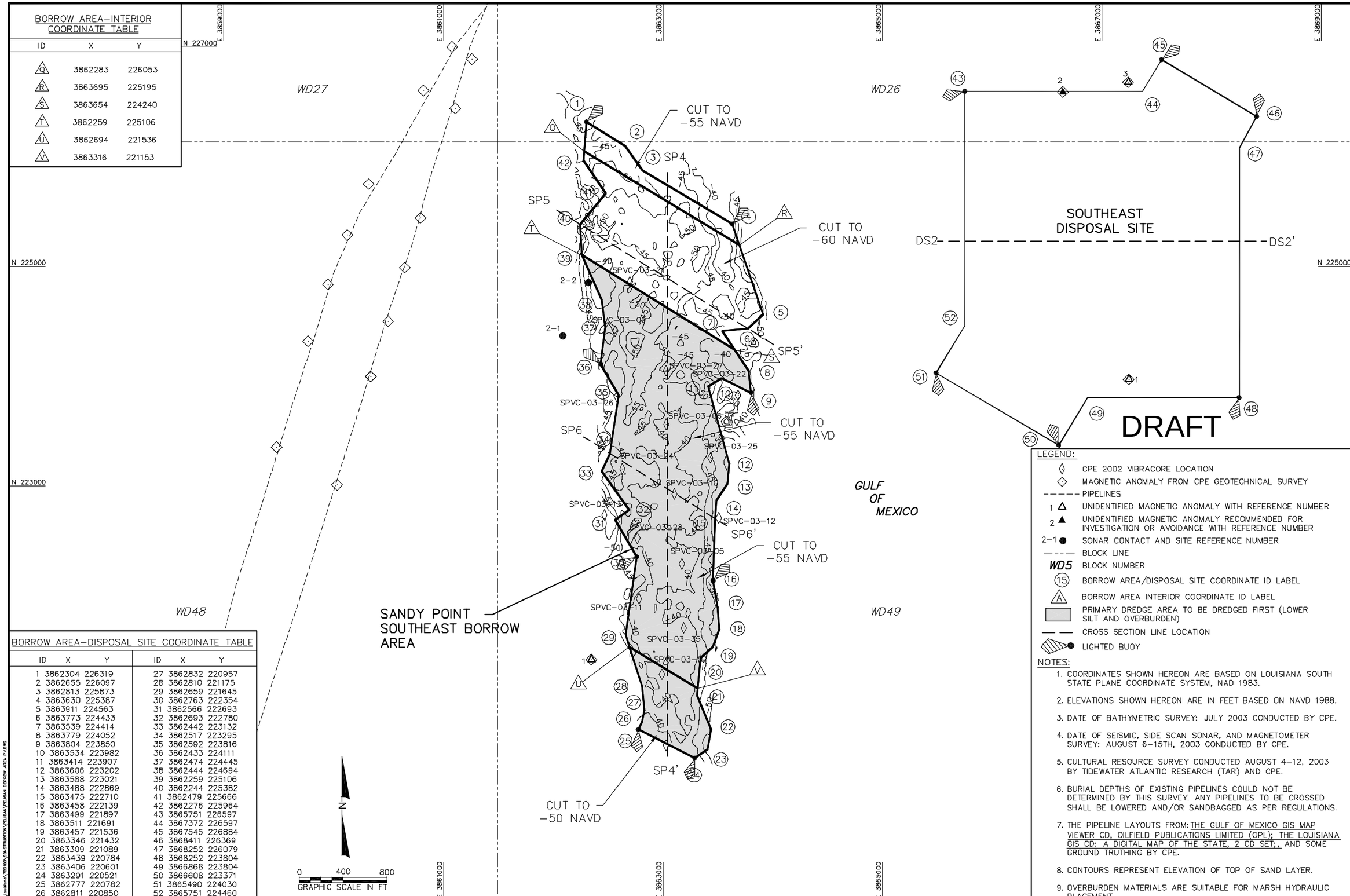
PELICAN ISLAND RESTORATION
(BA–38–1)
CWPPRA PROJECT
SANDY POINT
SE BORROW AREA & DISPOSAL SITE
BATHYMETRY

DRAWING NO.

BA–6

SHEET 11 OF 33

H:\Jobs\Proj\7261.00\CONSTRUCTION\PELICAN\PELICAN BORROW AREA PV.DWG



BORROW AREA–INTERIOR COORDINATE TABLE

ID	X	Y
Q	3862283	226053
R	3863695	225195
S	3863654	224240
T	3862259	225106
U	3862694	221536
V	3863316	221153

BORROW AREA–DISPOSAL SITE COORDINATE TABLE

ID	X	Y	ID	X	Y
1	3862304	226319	27	3862832	220957
2	3862655	226097	28	3862810	221175
3	3862813	225873	29	3862659	221645
4	3863630	225387	30	3862763	222354
5	3863911	224563	31	3862566	222693
6	3863773	224433	32	3862693	222780
7	3863539	224414	33	3862442	223132
8	3863779	224052	34	3862517	223295
9	3863804	223850	35	3862592	223816
10	3863534	223982	36	3862433	224111
11	3863414	223907	37	3862474	224445
12	3863606	223202	38	3862444	224694
13	3863588	223021	39	3862259	225106
14	3863488	222869	40	3862244	225382
15	3863475	222710	41	3862479	225666
16	3863458	222139	42	3862276	225964
17	3863499	221897	43	3865751	226597
18	3863511	221691	44	3867372	226597
19	3863457	221536	45	3867545	226884
20	3863346	221432	46	3868411	226369
21	3863309	221089	47	3868252	226079
22	3863439	220784	48	3868252	223804
23	3863406	220601	49	3866868	223804
24	3863291	220521	50	3866608	223371
25	3862777	220782	51	3865490	224030
26	3862811	220850	52	3865751	224460

LEGEND:

- CPE 2002 VIBRACORE LOCATION
- MAGNETIC ANOMALY FROM CPE GEOTECHNICAL SURVEY
- PIPELINES
- 1 UNIDENTIFIED MAGNETIC ANOMALY WITH REFERENCE NUMBER
- 2 UNIDENTIFIED MAGNETIC ANOMALY RECOMMENDED FOR INVESTIGATION OR AVOIDANCE WITH REFERENCE NUMBER
- 2–1 SONAR CONTACT AND SITE REFERENCE NUMBER
- BLOCK LINE
- WD5 BLOCK NUMBER
- 15 BORROW AREA/DISPOSAL SITE COORDINATE ID LABEL
- A BORROW AREA INTERIOR COORDINATE ID LABEL
- PRIMARY DREDGE AREA TO BE DREDGED FIRST (LOWER SILT AND OVERBURDEN)
- 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 AUGUST 4–12, 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. 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;, AND SOME GROUND TRUTHING BY CPE.
8. CONTOURS REPRESENT ELEVATION OF TOP OF SAND LAYER.
9. OVERBURDEN MATERIALS ARE SUITABLE FOR MARSH HYDRAULIC PLACEMENT.

COASTAL PLANNING & ENGINEERING, INC.
2481 N.W. BOCA RATON BOULEVARD
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: AMB
Date: 11/7/03
Plot Scale: 1" =400'
Checked by: AB
Reviewed by: CD
Submitted by: MJ
Comm. No: 7261.00

PELICAN ISLAND RESTORATION (BA–38–1)
CWPPRA PROJECT
SANDY POINT SE BORROW AREA
ELEVATION OF SILT/CLAY – SAND INTERFACE CONTOUR MAP

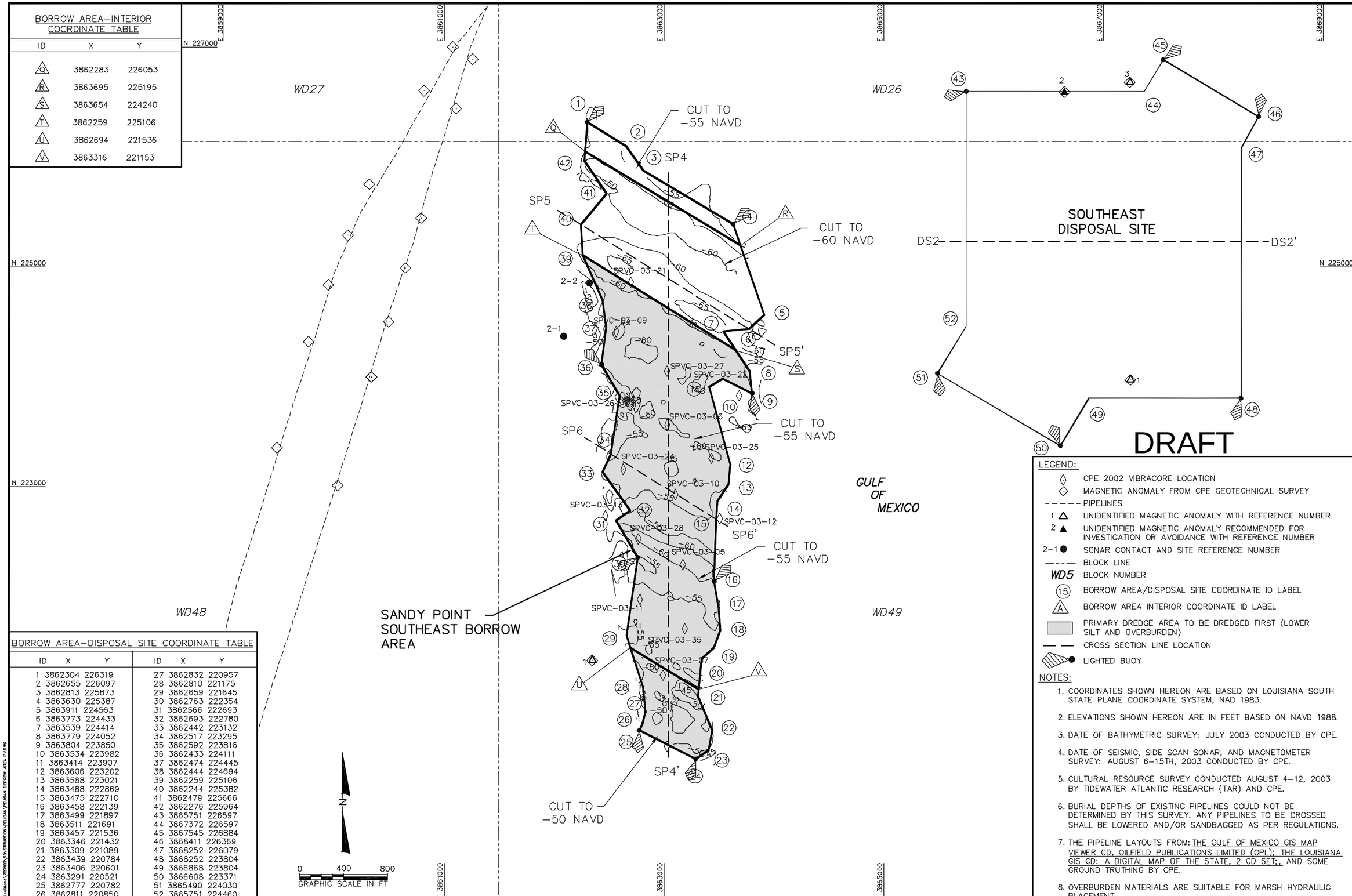
DRAWING NO.
BA–7

SHEET 12 OF 33

H:\Laidlaw\7261GO\CONSTRUCTION\PELICAN\PELICAN BORROW AREA PV.DWG

BORROW AREA–INTERIOR COORDINATE TABLE

ID	X	Y
Q	3862283	226053
R	3863695	225195
S	3863654	224240
T	3862259	225106
U	3862694	221536
V	3863316	221153



BORROW AREA–DISPOSAL SITE COORDINATE TABLE

ID	X	Y	ID	X	Y
1	3862304	226319	27	3862832	220957
2	3862655	226097	28	3862810	221175
3	3862813	225873	29	3862659	221645
4	3863630	225387	30	3862763	222354
5	3863911	224563	31	3862566	222693
6	3863773	224433	32	3862693	222780
7	3863539	224414	33	3862442	223132
8	3863779	224052	34	3862517	223295
9	3863804	223850	35	3862592	223816
10	3863534	223982	36	3862433	224111
11	3863414	223907	37	3862474	224445
12	3863606	223202	38	3862444	224694
13	3863588	223021	39	3862259	225106
14	3863488	222869	40	3862244	225382
15	3863475	222710	41	3862479	225666
16	3863458	222139	42	3862276	225964
17	3863499	221897	43	3865751	226597
18	3863511	221691	44	3867372	226597
19	3863457	221536	45	3867545	226884
20	3863346	221432	46	3868411	226369
21	3863309	221089	47	3868252	226079
22	3863439	220784	48	3868252	223804
23	3863406	220601	49	3866868	223804
24	3863291	220521	50	3866608	223371
25	3862777	220782	51	3865490	224030
26	3862811	220850	52	3865751	224460

DRAFT

LEGEND:

- CPE 2002 VIBRACORE LOCATION
- MAGNETIC ANOMALY FROM CPE GEOTECHNICAL SURVEY
- PIPELINES
- 1 UNIDENTIFIED MAGNETIC ANOMALY WITH REFERENCE NUMBER
- 2 UNIDENTIFIED MAGNETIC ANOMALY RECOMMENDED FOR INVESTIGATION OR AVOIDANCE WITH REFERENCE NUMBER
- 2-1 SONAR CONTACT AND SITE REFERENCE NUMBER
- BLOCK LINE
- WD5 BLOCK NUMBER
- (15) BORROW AREA/DISPOSAL SITE COORDINATE ID LABEL
- (A) BORROW AREA INTERIOR COORDINATE ID LABEL
- PRIMARY DREDGE AREA TO BE DREDGED FIRST (LOWER SILT AND OVERBURDEN)
- 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 AUGUST 4–12, 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. 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;, AND SOME GROUND TRUTHING BY CPE.
8. OVERBURDEN MATERIALS ARE SUITABLE FOR MARSH HYDRAULIC PLACEMENT.

COASTAL PLANNING & ENGINEERING, INC.
2481 N.W. BOCA RATON BOULEVARD
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: AMB
Date: 11/7/03
Plot Scale: 1" =400'
Checked by: AB
Reviewed by: CD
Submitted by: MJ
Comm. No: 7261.00

PELICAN ISLAND RESTORATION (BA-38-1)
CWPPRA PROJECT
SANDY POINT SE BORROW AREA
BOTTOM ELEVATION OF SAND
CONTOUR MAP

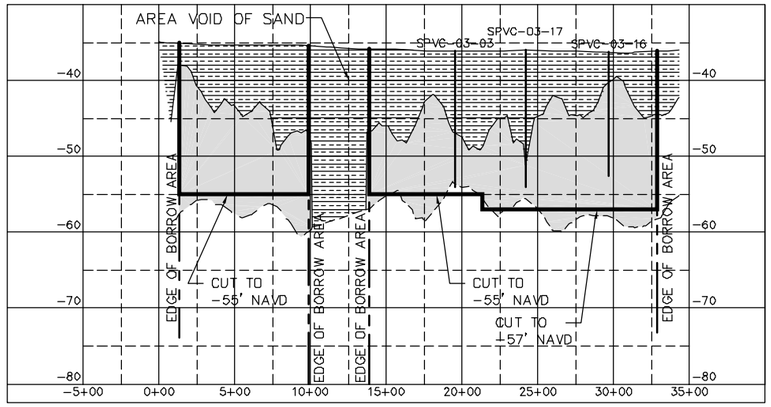
DRAWING NO.

BA–8

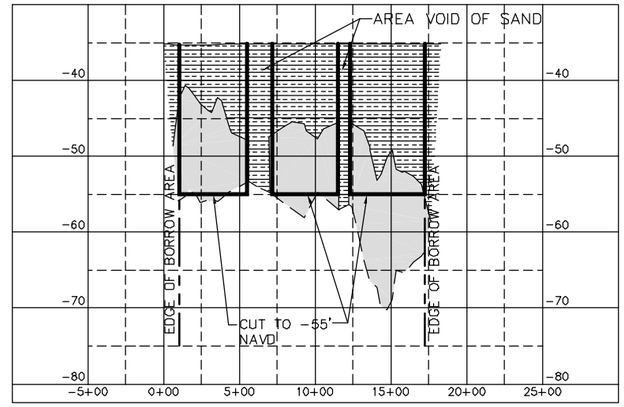
SHEET 13 OF 33

H:\Louisiana\20810D\CONSTRUCTION\PELICAN\PELICAN BORROW AREA PV.DWG

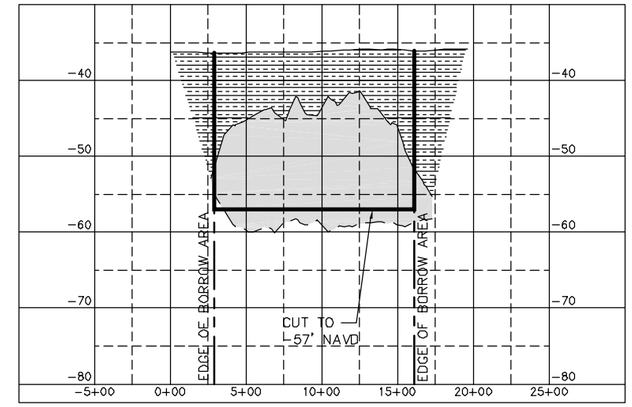
SANDY POINT NW BORROW AREA
CROSS SECTION SP1-1'



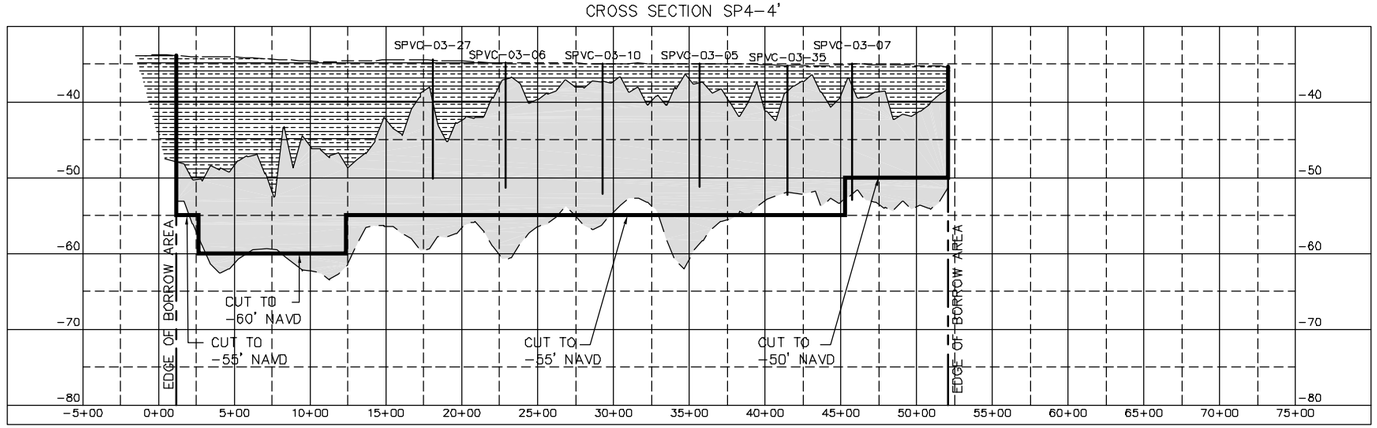
SANDY POINT NW BORROW AREA
CROSS SECTION SP2-2'



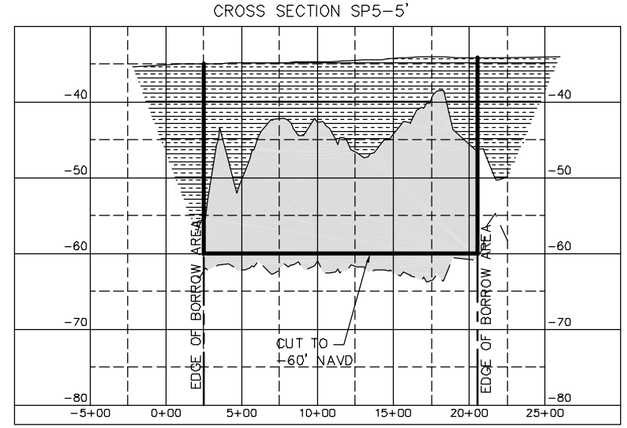
SANDY POINT NW BORROW AREA
CROSS SECTION SP3-3'



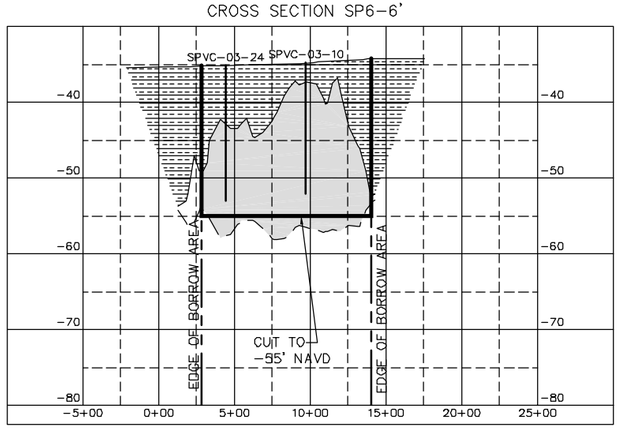
SANDY POINT SE BORROW AREA
CROSS SECTION SP4-4'



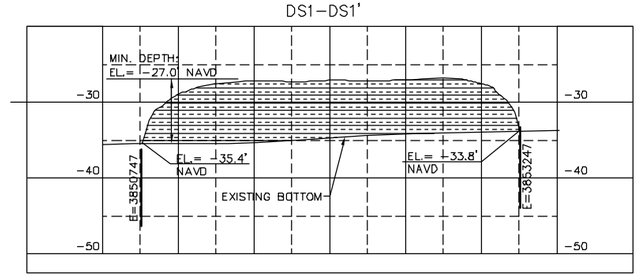
SANDY POINT SE BORROW AREA
CROSS SECTION SP5-5'



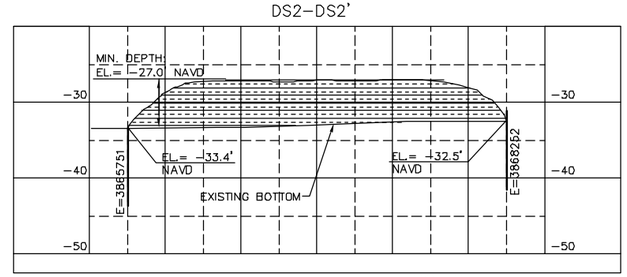
SANDY POINT SE BORROW AREA
CROSS SECTION SP6-6'



SANDY POINT NW DISPOSAL SITE
DS1-DS1'



SANDY POINT SE DISPOSAL SITE
DS2-DS2'



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 8-13 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
- INTERMITTENT ACCOUSTIC REFLECTOR WITHIN SAND DEPOSIT

DRAFT

SCALE:
1" = 500' HORIZONTALLY
1" = 10' VERTICALLY

COASTAL PLANNING & ENGINEERING, INC.
2481 N.W. BOCA RATON BOULEVARD
BOCA RATON, FLORIDA 33431
PH. (561) 391-8102
FAX (561) 391-9116
FLA. #COA 4028
www.CoastalPlanning.net

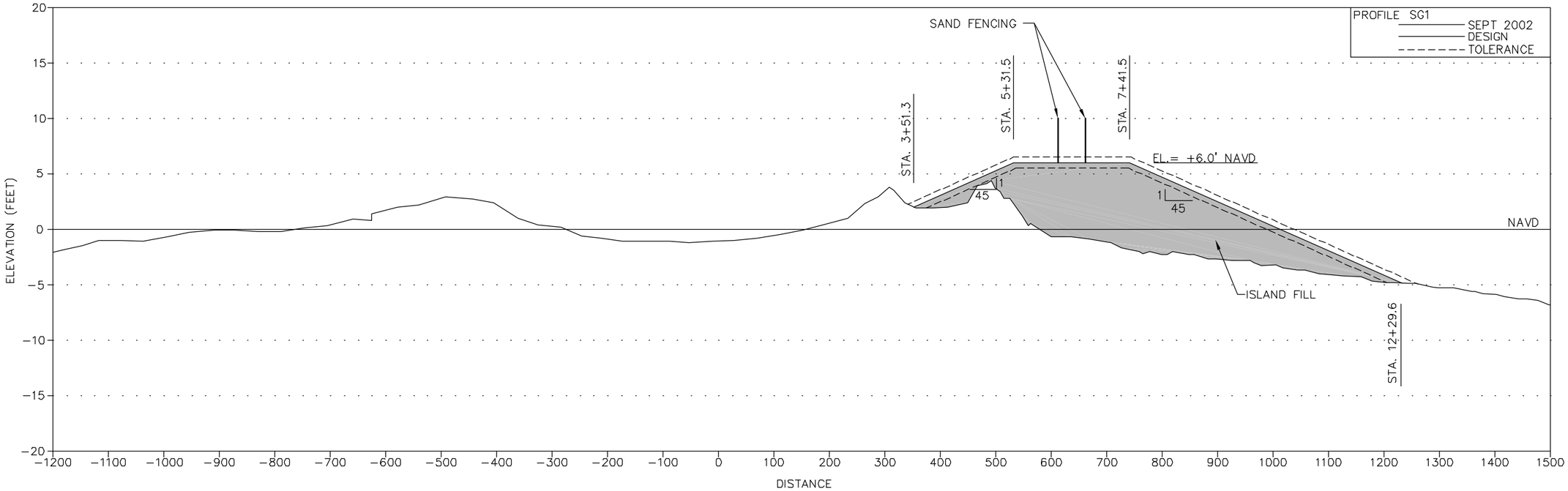
No.	Date	Description

Reference Files:
Designed by: MJ
Drawn by: TW
Date: 11/7/03
Plot Scale: AS NOTED
Checked by: AB
Reviewed by: CD
Submitted by: MJ
Comm. No.: 7261.00

PELICAN ISLAND RESTORATION
(BA-38-1)
CWPPRA PROJECT
SANDY POINT NW & SE
BORROW AREAS AND DISPOSAL SITES
CROSS SECTIONS

DRAWING NO.
BA-9

H:\Louisiana\7261.00\CONSTRUCTION\PELICAN\PELICAN BORROW AREA Cross 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

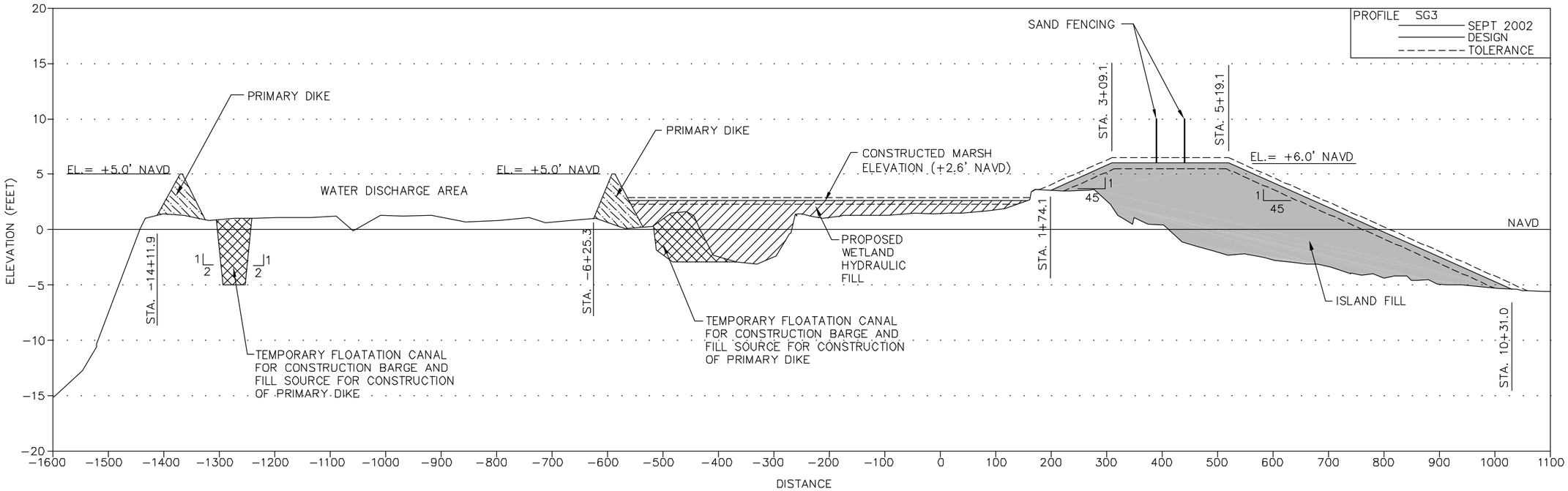
COASTAL PLANNING & ENGINEERING, INC.
2481 N.W. BOCA RATON BOULEVARD
BOCA RATON, FLORIDA 33431
PH. (561) 391-8102
FAX (561) 391-9116
FLA. #COA 4028
www.CoastalPlanning.net

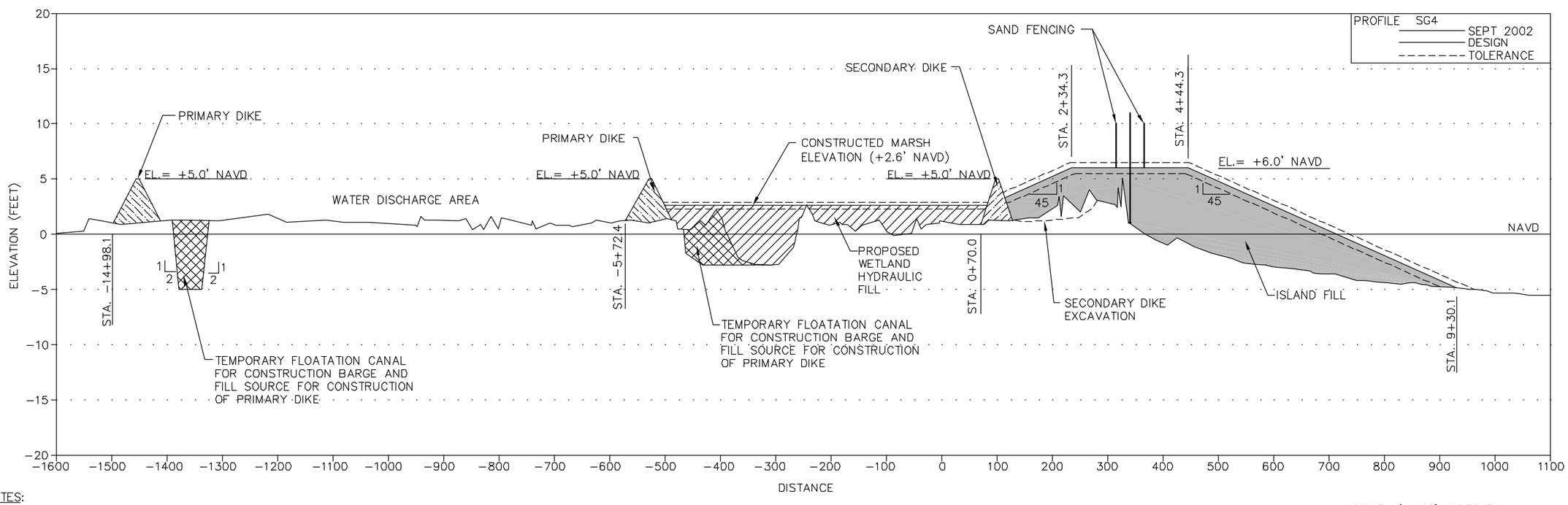
No.	Date	Description

Reference Files:
Designed by: MJ
Drawn by: TW
Date: 11/7/03
Plot Scale: AS NOTED
Checked by: AB
Reviewed by: CD
Submitted by: MJ
Comm. No.: 7261.00

PELICAN ISLAND RESTORATION
(BA-38-1)
CWPPRA PROJECT
CROSS SECTIONS

DRAWING NO.
XS-1





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

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

DRAFT

COASTAL PLANNING & ENGINEERING, INC.
2481 N.W. BOCA RATON BOULEVARD
BOCA RATON, FLORIDA 33431
PH. (561) 391-8102
FAX (561) 391-9116
FLA. #COA 4028
www.CoastalPlanning.net

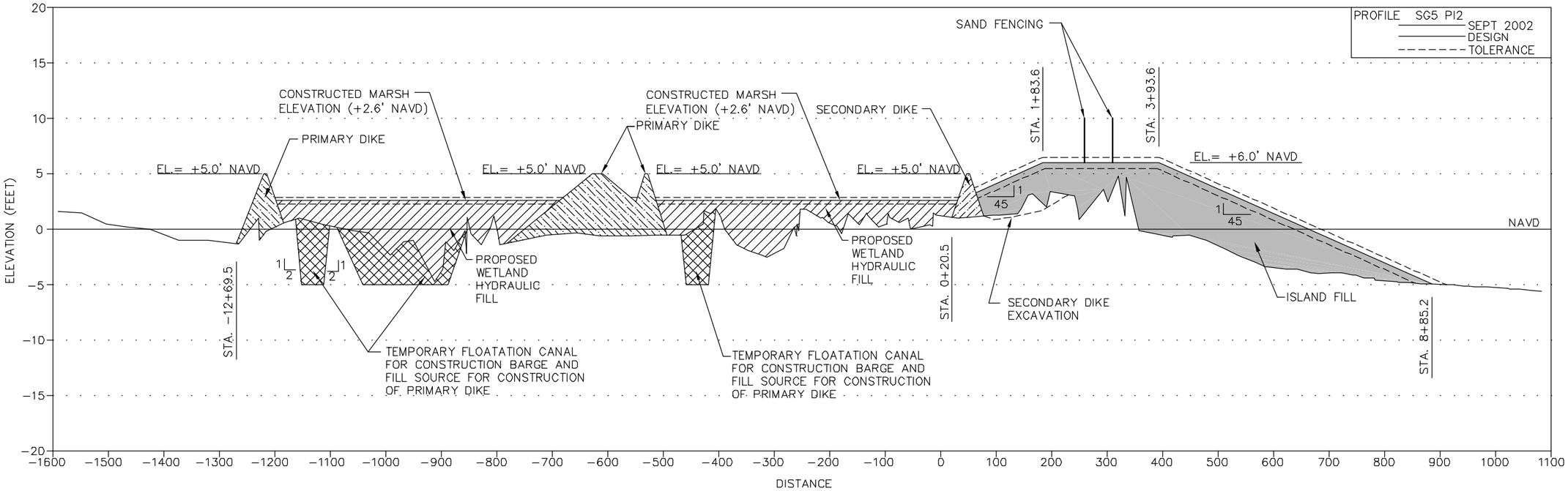
No.	Date	Description

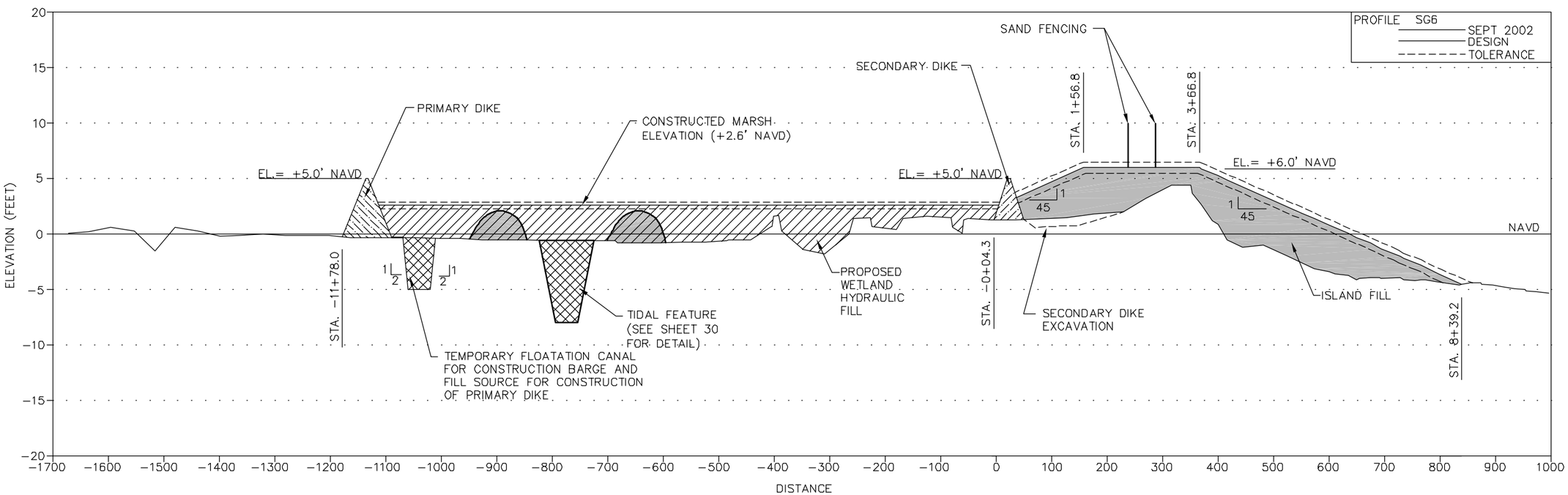
Reference Files:
Designed by: MJ
Drawn by: TW
Date: 11/7/03
Plot Scale: AS NOTED
Checked by: AB
Reviewed by: CD
Submitted by: MJ
Comm. No.: 7261.00

PELICAN ISLAND RESTORATION
(BA-38-1)
CWPPRA PROJECT
CROSS SECTIONS

DRAWING NO.
XS-2

SHEET 16 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

COASTAL PLANNING & ENGINEERING, INC.
2481 N.W. BOCA RATON BOULEVARD
BOCA RATON, FLORIDA 33431
PH. (561) 391-8102
FAX (561) 391-9116
FLA. #COA 4028
www.CoastalPlanning.net

No.	Date	Description

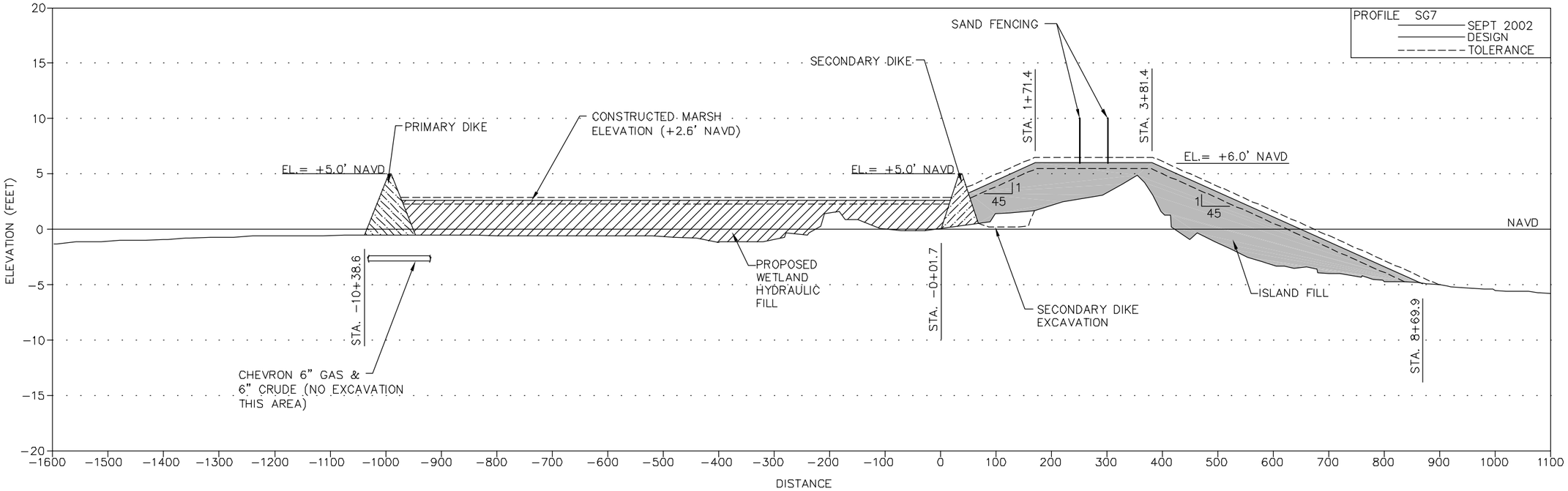
Reference Files:

Designed by: MJ
Drawn by: TW
Date: 11/7/03
Plot Scale: AS NOTED
Checked by: AB
Reviewed by: CD
Submitted by: MJ
Comm. No.: 7261.00

PELICAN ISLAND RESTORATION
(BA-38-1)
CWPPRA PROJECT
CROSS SECTIONS

DRAWING NO.
XS-3

H:\Jobfiles\7261.00\CONSTRUCTION\PELICAN\PELICAN 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

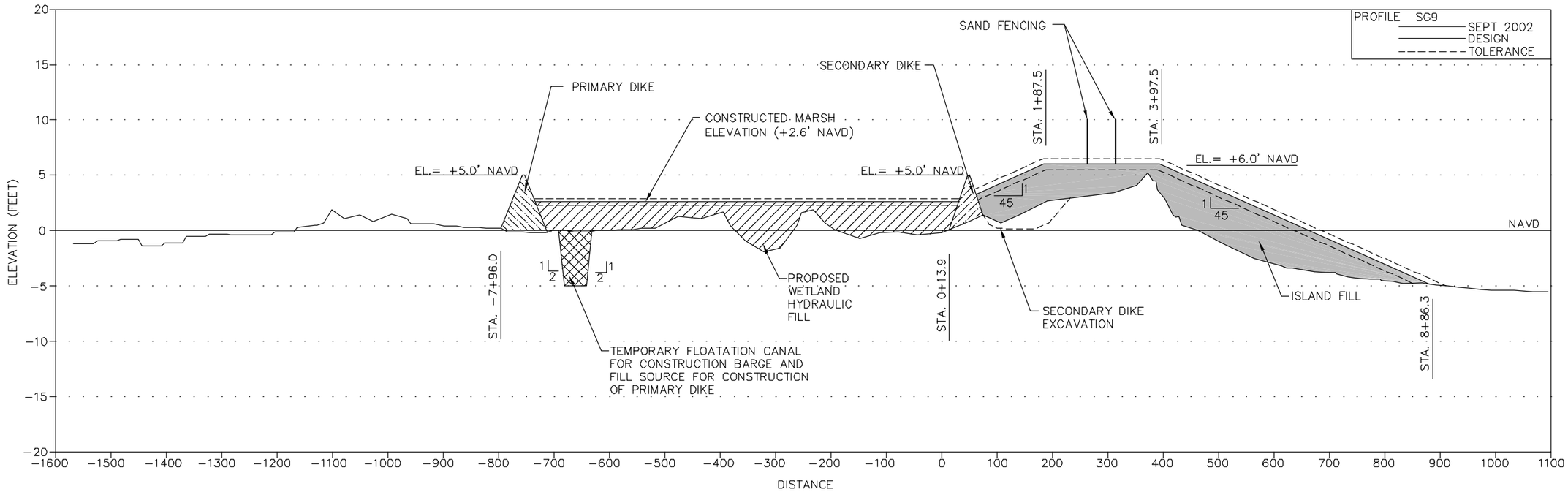
COASTAL PLANNING & ENGINEERING, INC.
2481 N.W. BOCA RATON BOULEVARD
BOCA RATON, FLORIDA 33431
PH. (561) 391-8102
FAX (561) 391-9116
FLA. #COA 4028
www.CoastalPlanning.net

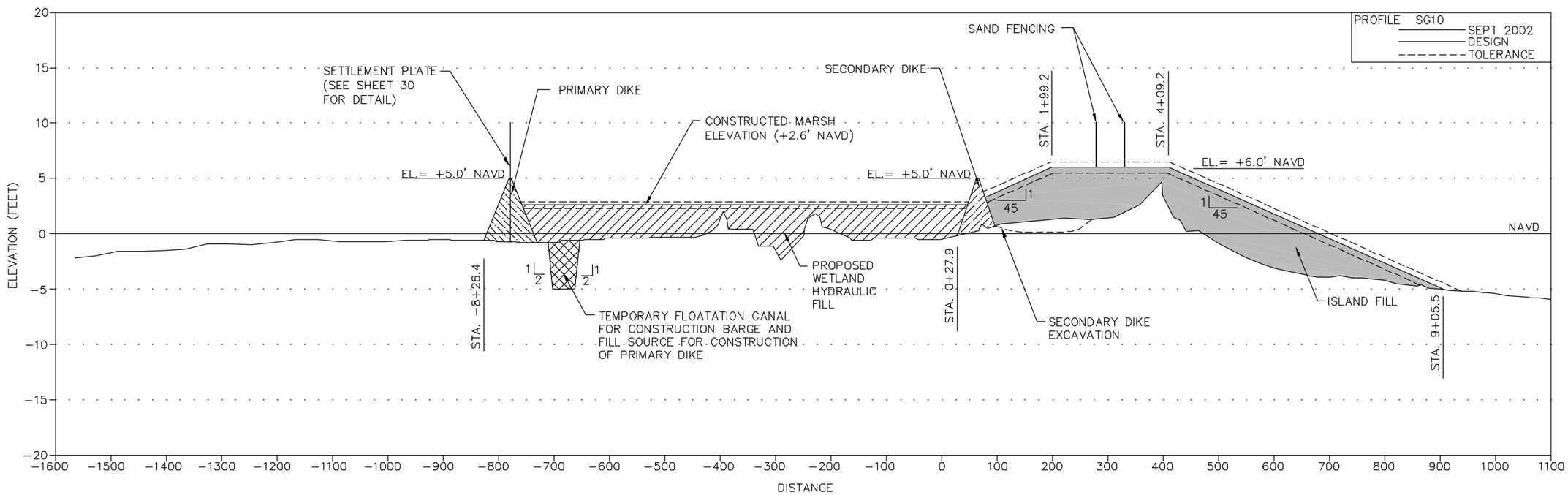
No.	Date	Description

Reference Files:
Designed by: MJ
Drawn by: TW
Date: 11/7/03
Plot Scale: AS NOTED
Checked by: AB
Reviewed by: CD
Submitted by: MJ
Comm. No.: 7261.00

PELICAN ISLAND RESTORATION
(BA-38-1)
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

COASTAL PLANNING & ENGINEERING, INC.
2481 N.W. BOCA RATON BOULEVARD
BOCA RATON, FLORIDA 33431
PH. (561) 391-8102
FAX (561) 391-9116
FLA. #COA 4028
www.CoastalPlanning.net

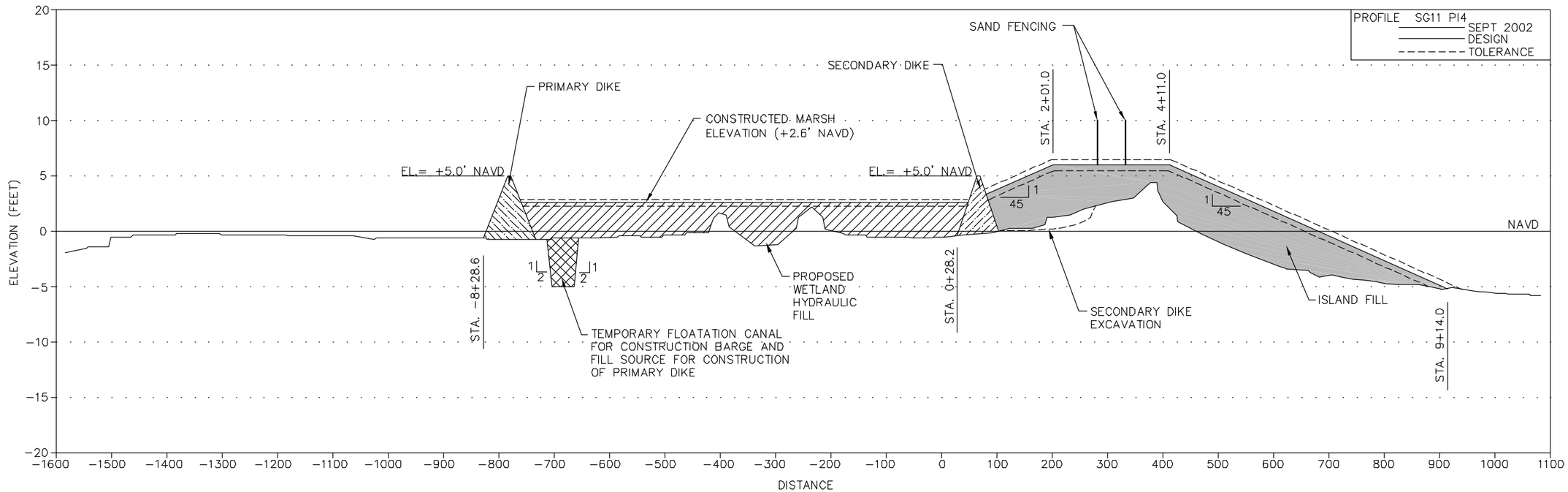
No.	Date	Description

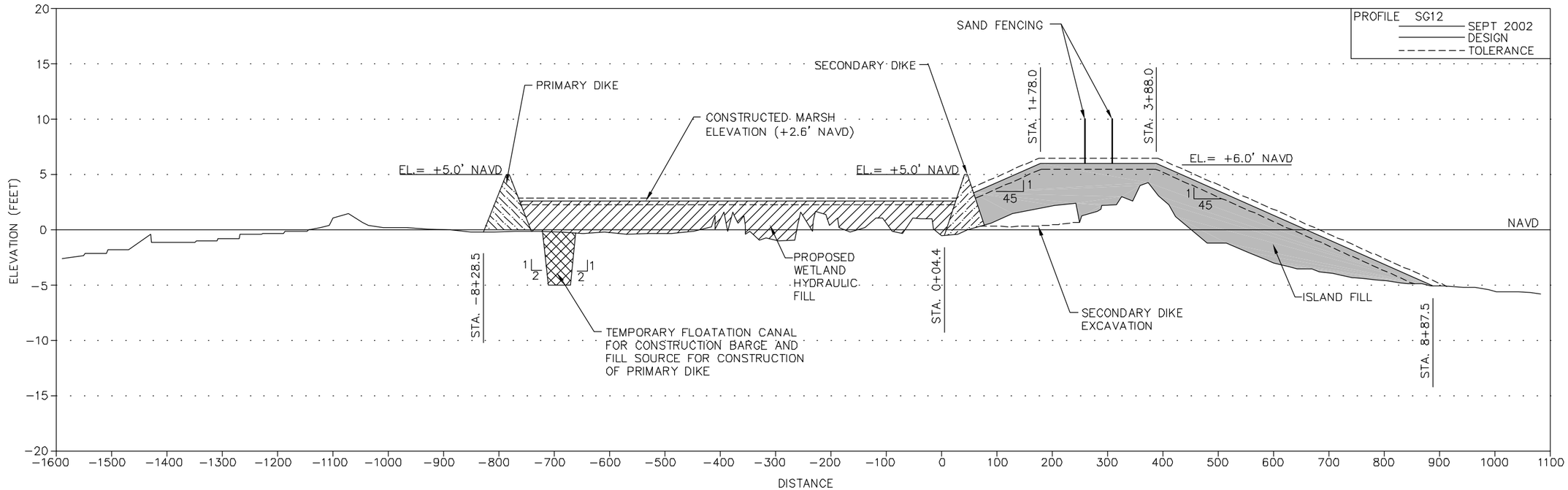
Reference Files:
Designed by: MJ
Drawn by: TW
Date: 11/7/03
Plot Scale: AS NOTED
Checked by: AB
Reviewed by: CD
Submitted by: MJ
Comm. No: 7261.00

PELICAN ISLAND RESTORATION
(BA-38-1)
CWPPRA PROJECT
CROSS SECTIONS

DRAWING NO.
XS-5

H:\Louisiana\72610\CONSTRUCTION\PELICAN\PELICAN 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

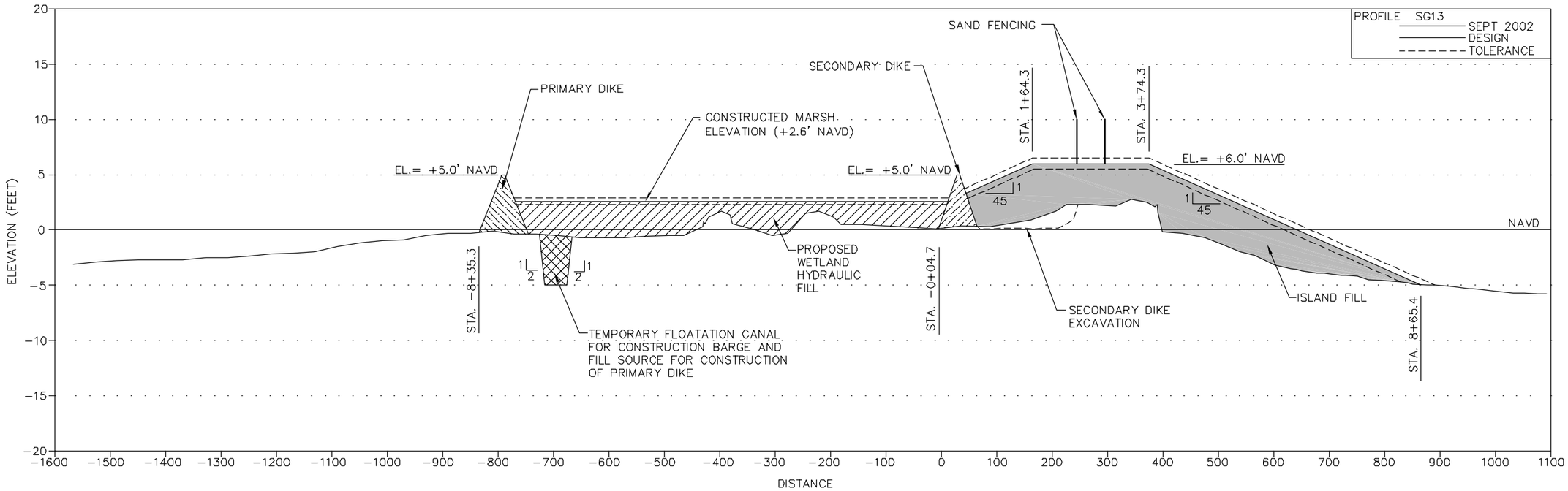
COASTAL PLANNING & ENGINEERING, INC.
2481 N.W. BOCA RATON BOULEVARD
BOCA RATON, FLORIDA 33431
PH. (561) 391-8102
FAX (561) 391-9116
FLA. #COA 4028
www.CoastalPlanning.net

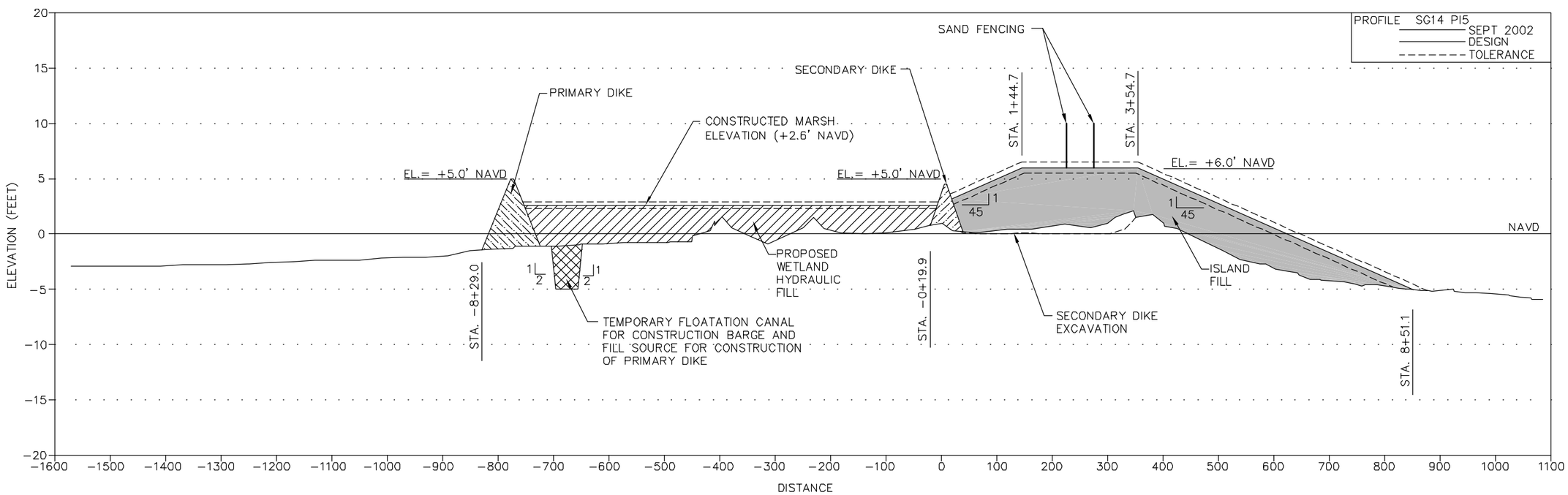
No.	Date	Description

Reference Files:
Designed by: MJ
Drawn by: TW
Date: 11/7/03
Plot Scale: AS NOTED
Checked by: AB
Reviewed by: CD
Submitted by: MJ
Comm. No.: 7261.00

PELICAN ISLAND RESTORATION
(BA-38-1)
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

COASTAL PLANNING & ENGINEERING, INC.
2481 N.W. BOCA RATON BOULEVARD
BOCA RATON, FLORIDA 33431
PH. (561) 391-8102
FAX (561) 391-9116
FLA. #COA 4028
www.CoastalPlanning.net

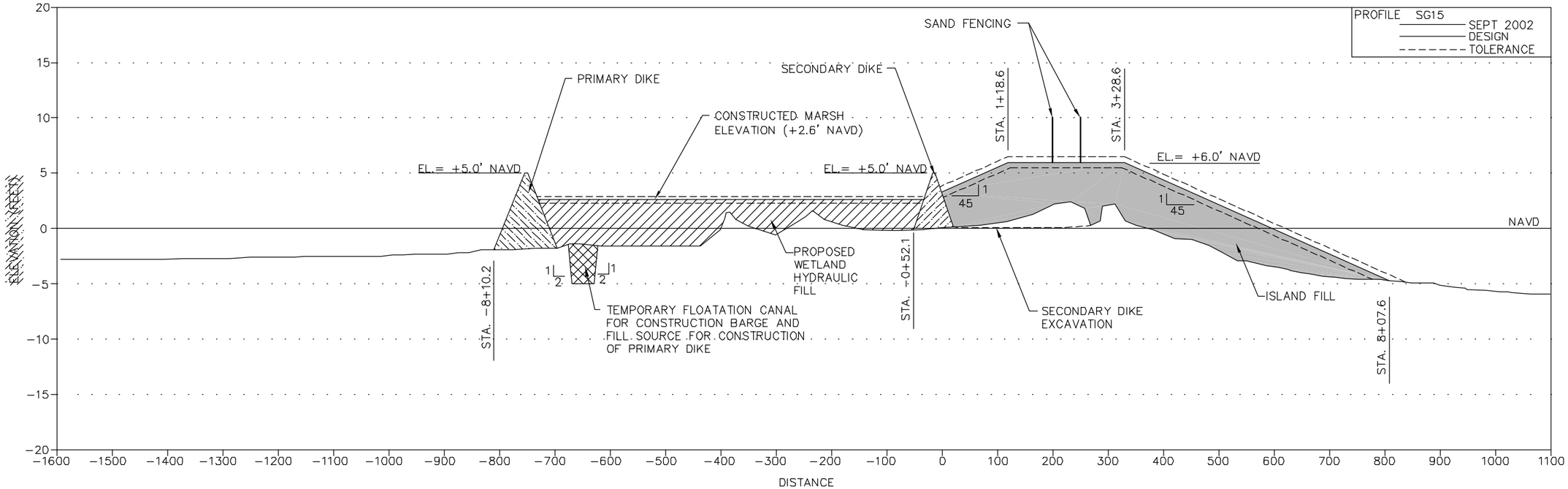
No.	Date	Description

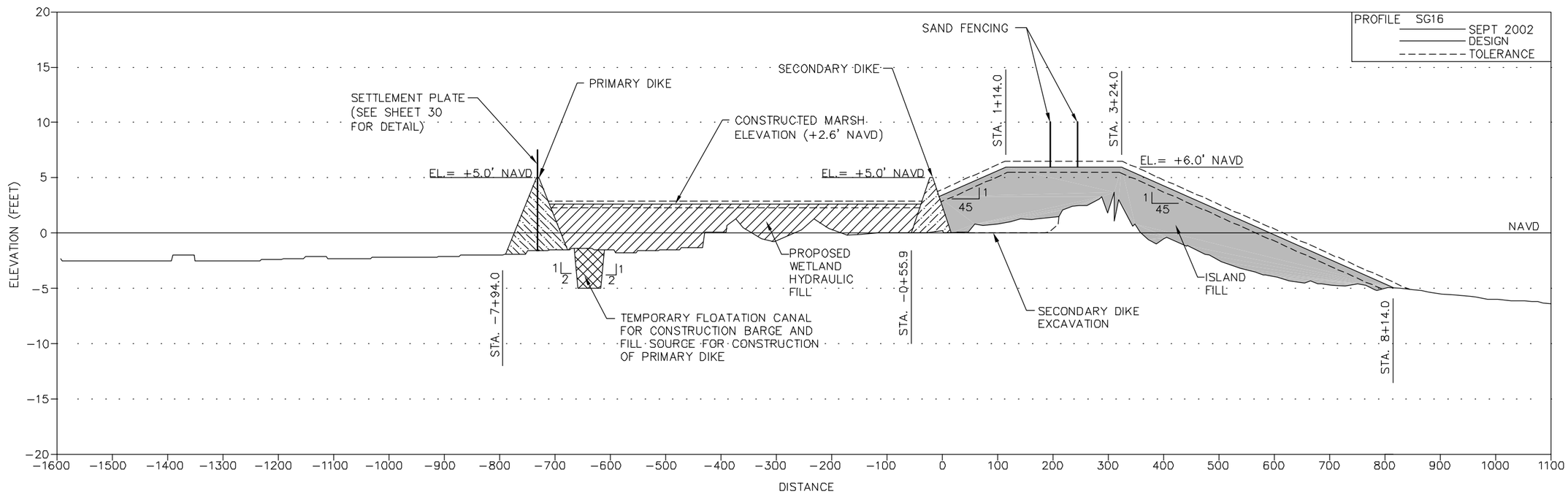
Reference Files:
Designed by: MJ
Drawn by: TW
Date: 11/7/03
Plot Scale: AS NOTED
Checked by: AB
Reviewed by: CD
Submitted by: MJ
Comm. No: 7261.00

PELICAN ISLAND RESTORATION
(BA-38-1)
CWPPRA PROJECT
CROSS SECTIONS

DRAWING NO.
XS-7

H:\Lisa\Jobs\7261.00\CONSTRUCTION\PELICAN\PELICAN 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

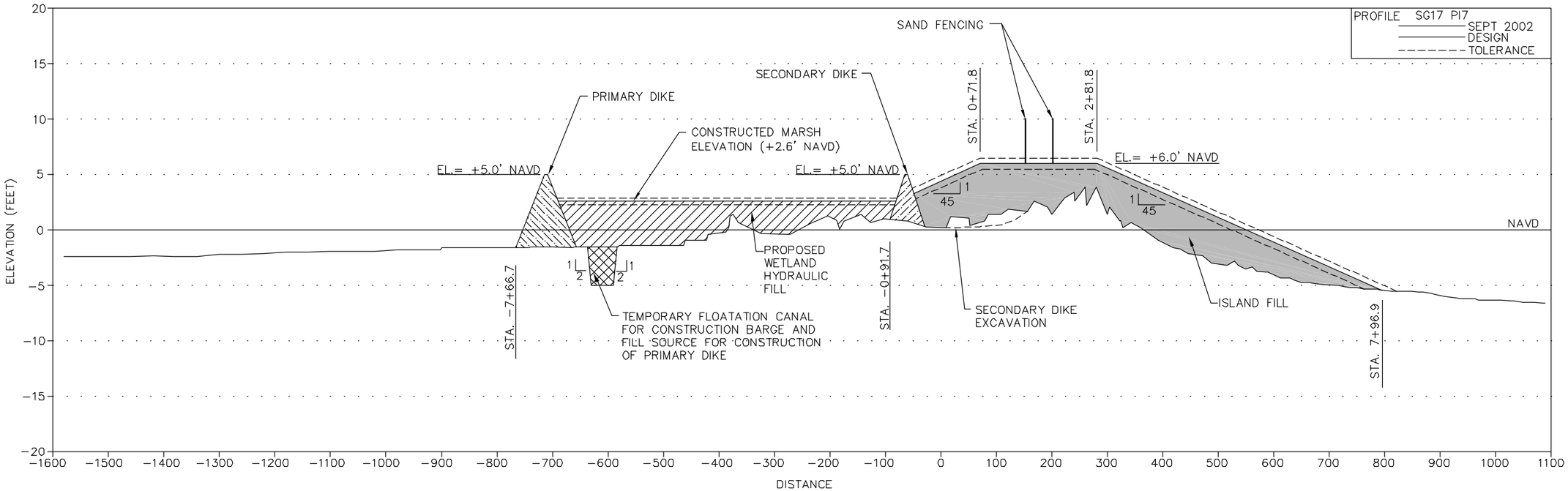
COASTAL PLANNING & ENGINEERING, INC.
2481 N.W. BOCA RATON BOULEVARD
BOCA RATON, FLORIDA 33431
PH. (561) 391-8102
FAX (561) 391-9116
FLA. #COA 4028
www.CoastalPlanning.net

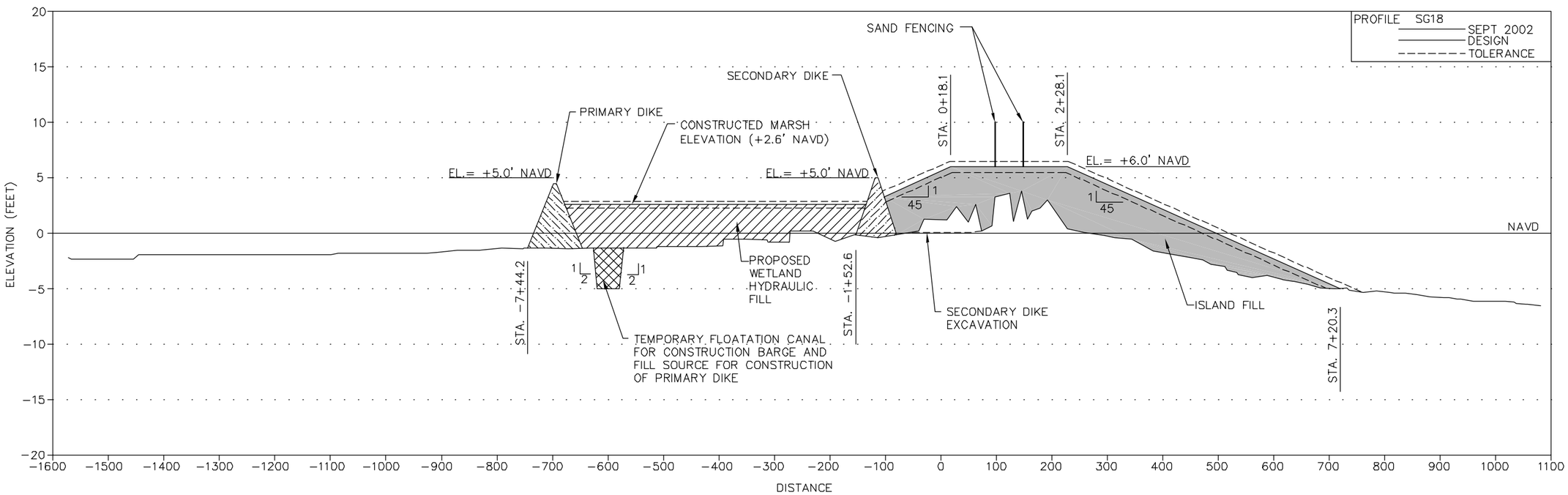
No.	Date	Description

Reference Files:
Designed by: MJ
Drawn by: TW
Date: 11/7/03
Plot Scale: AS NOTED
Checked by: AB
Reviewed by: CD
Submitted by: MJ
Comm. No.: 7261.00

PELICAN ISLAND RESTORATION
(BA-38-1)
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

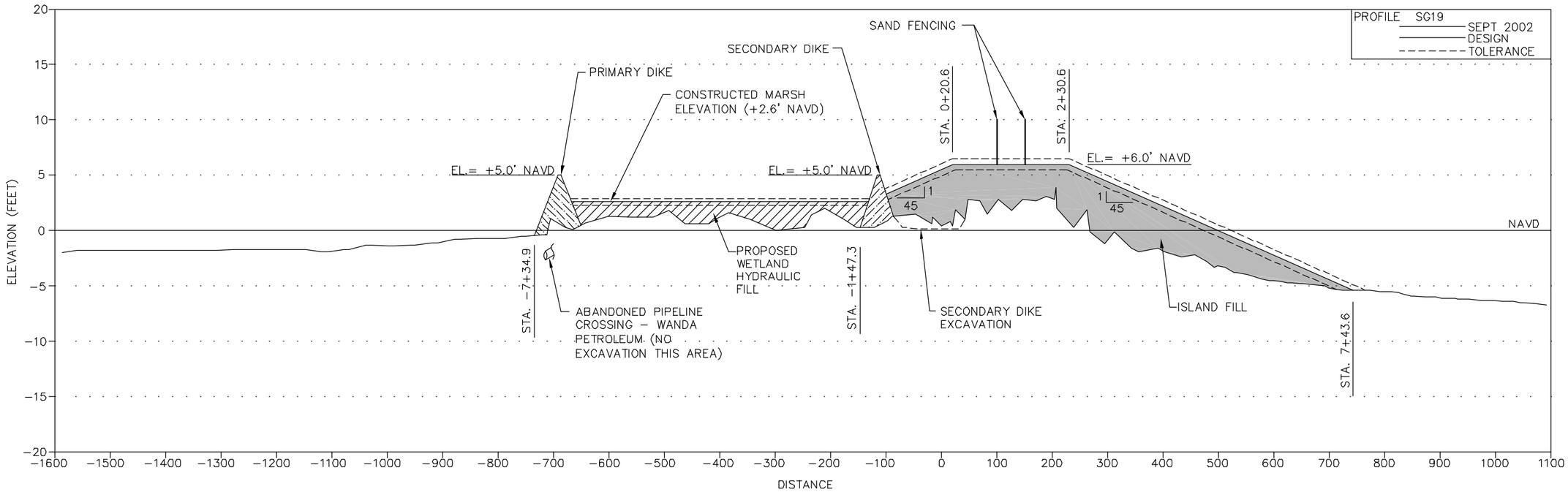
COASTAL PLANNING & ENGINEERING, INC.
2481 N.W. BOCA RATON BOULEVARD
BOCA RATON, FLORIDA 33431
PH. (561) 391-8102
FAX (561) 391-9116
FLA. #COA 4028
www.CoastalPlanning.net

No.	Date	Description

Reference Files:
Designed by: MJ
Drawn by: TW
Date: 11/7/03
Plot Scale: AS NOTED
Checked by: AB
Reviewed by: CD
Submitted by: MJ
Comm. No.: 7261.00

PELICAN ISLAND RESTORATION
(BA-38-1)
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

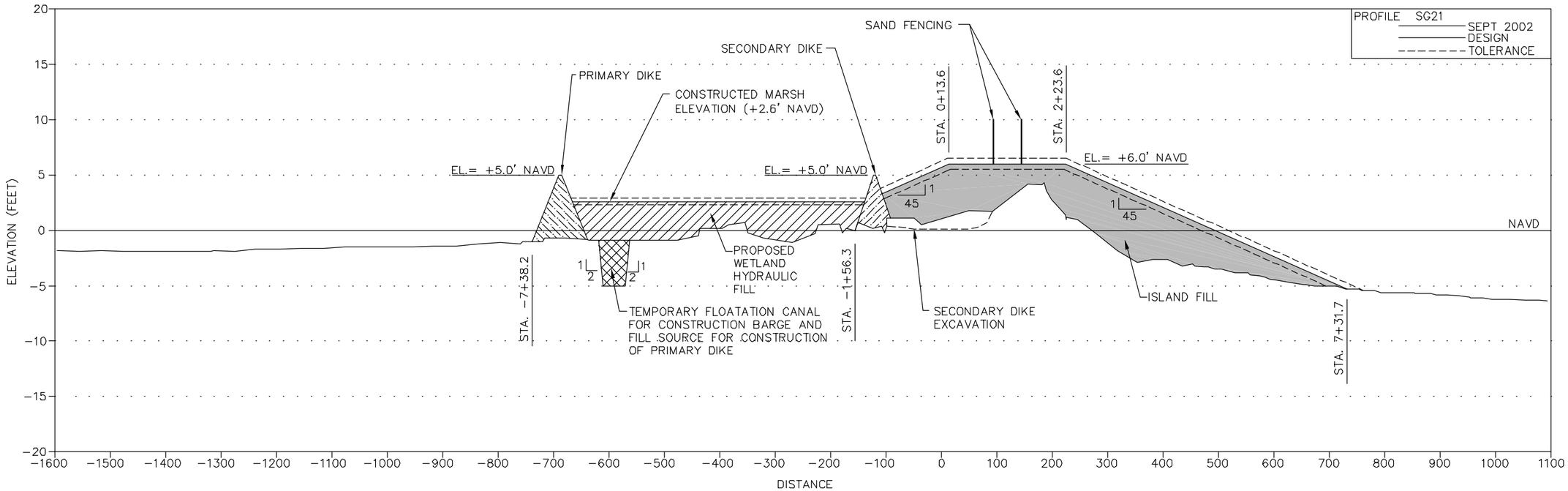
COASTAL PLANNING & ENGINEERING, INC.
2481 N.W. BOCA RATON BOULEVARD
BOCA RATON, FLORIDA 33431
PH. (561) 391-8102
FAX (561) 391-9116
FLA. #COA 4028
www.CoastalPlanning.net

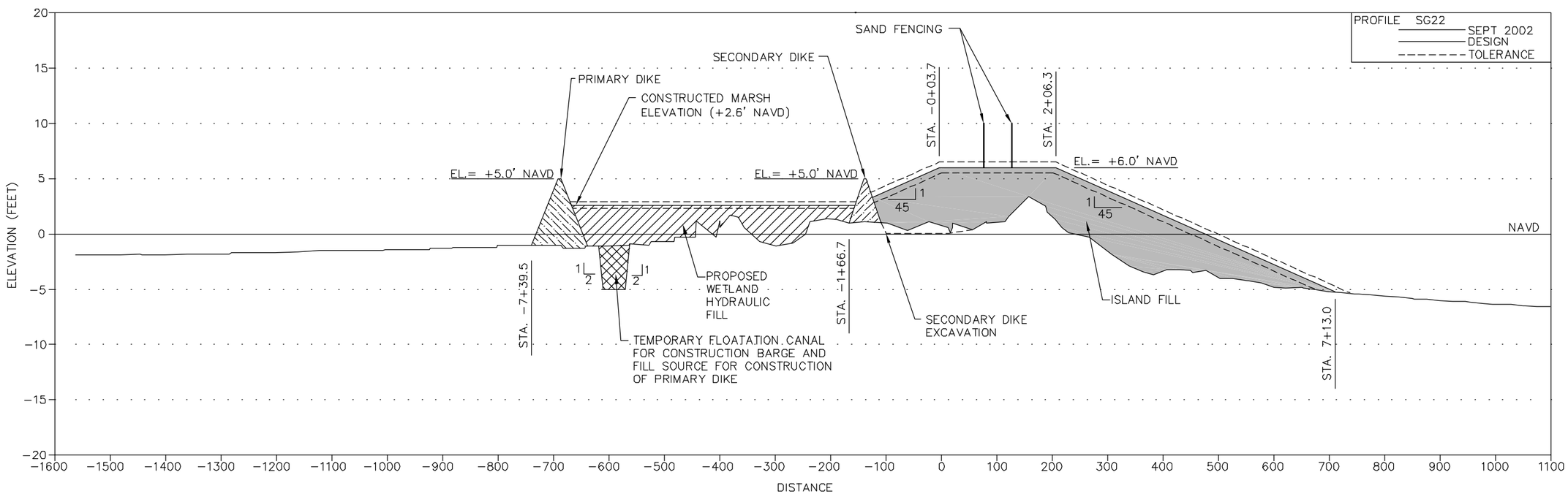
No.	Date	Description

Reference Files:
Designed by: MJ
Drawn by: TW
Date: 11/7/03
Plot Scale: AS NOTED
Checked by: AB
Reviewed by: CD
Submitted by: MJ
Comm. No.: 7261.00

PELICAN ISLAND RESTORATION
(BA-38-1)
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

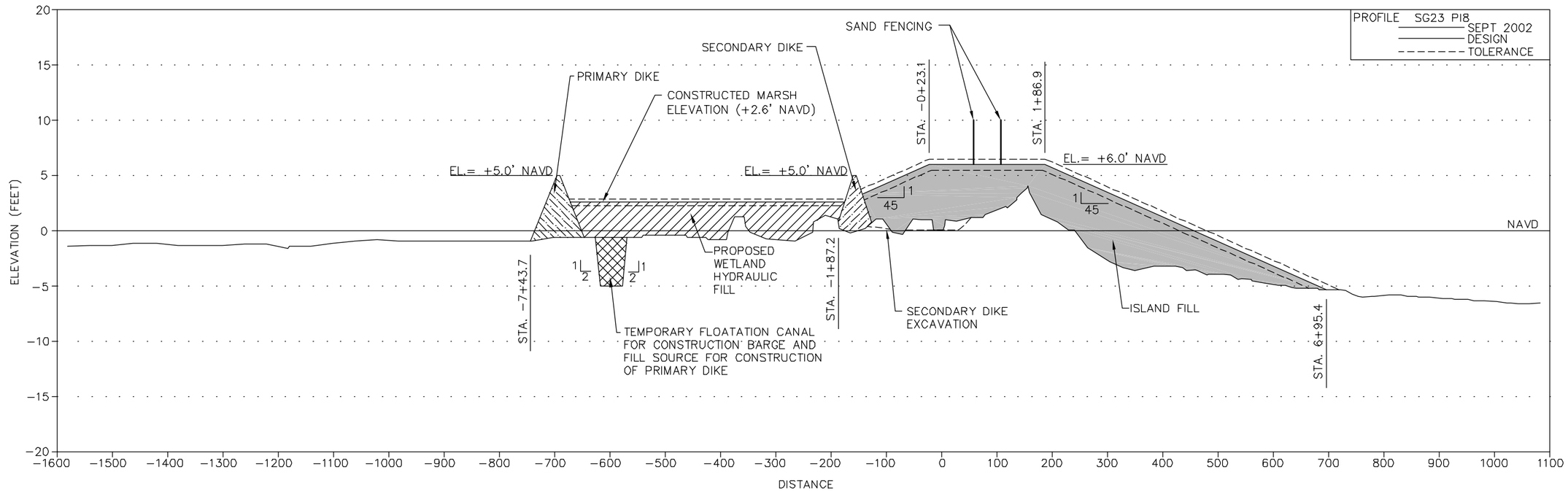
COASTAL PLANNING & ENGINEERING, INC.
2481 N.W. BOCA RATON BOULEVARD
BOCA RATON, FLORIDA 33431
PH. (561) 391-8102
FAX (561) 391-9116
FLA. #COA 4028
www.CoastalPlanning.net

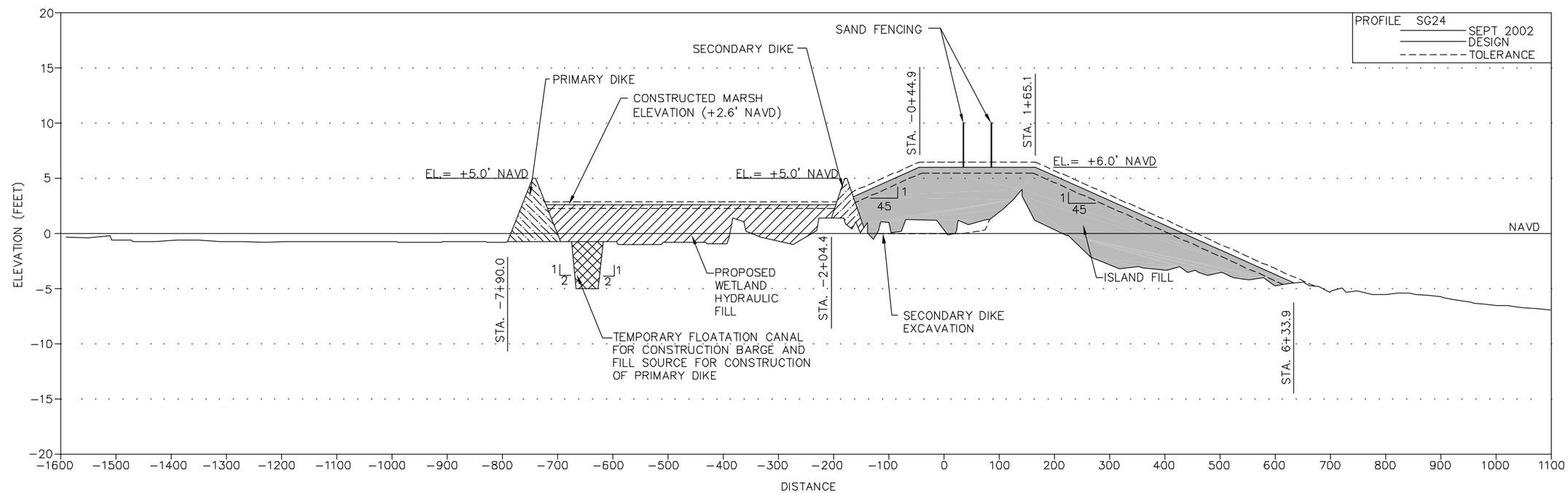
No.	Date	Description

Reference Files:
Designed by: MJ
Drawn by: TW
Date: 11/7/03
Plot Scale: AS NOTED
Checked by: AB
Reviewed by: CD
Submitted by: MJ
Comm. No.: 7261.00

PELICAN ISLAND RESTORATION
(BA-38-1)
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

COASTAL PLANNING & ENGINEERING, INC.
2481 N.W. BOCA RATON BOULEVARD
BOCA RATON, FLORIDA 33431
PH. (561) 391-8102
FAX (561) 391-9116
FLA. #COA 4028
www.CoastalPlanning.net

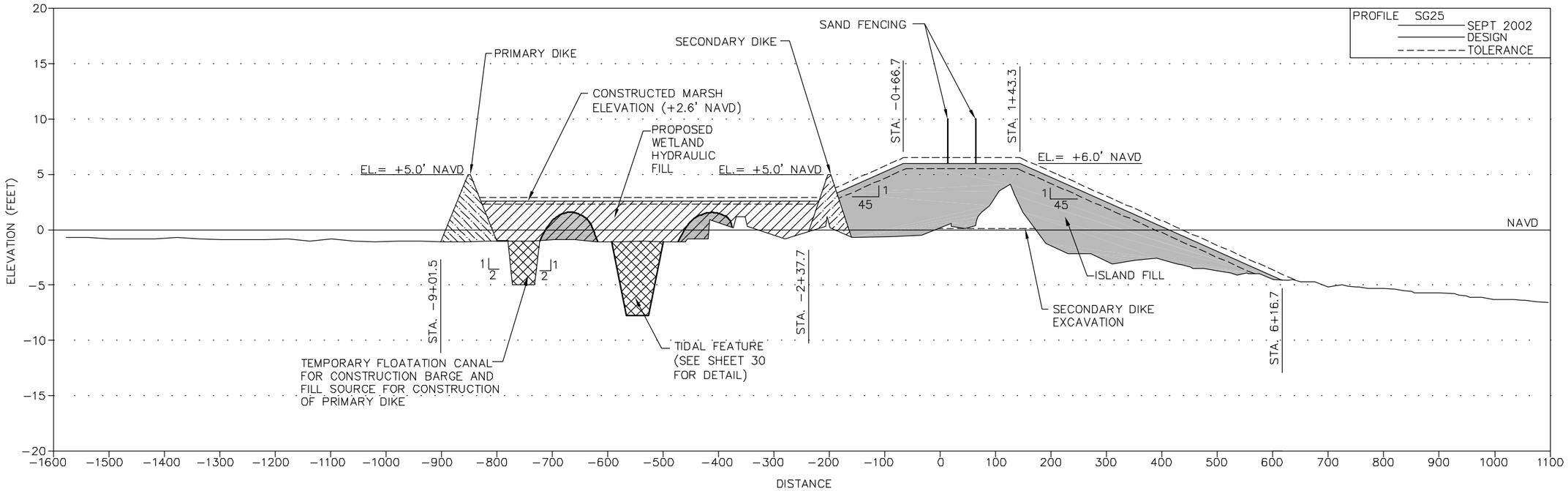
No.	Date	Description

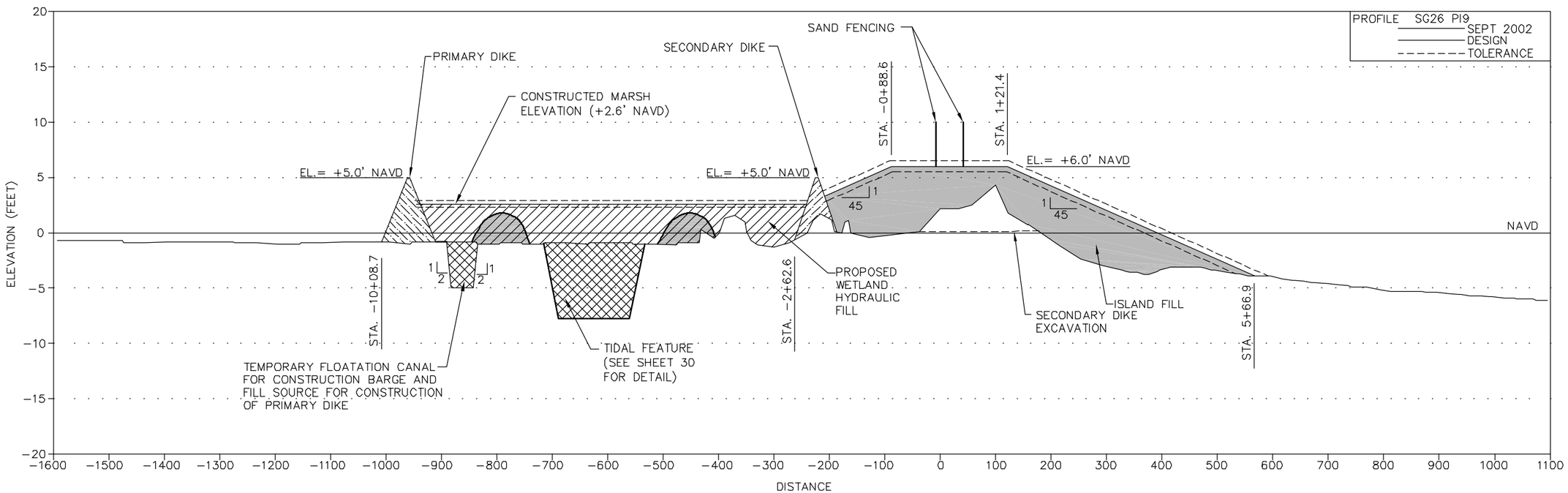
Reference Files:
Designed by: MJ
Drawn by: TW
Date: 11/7/03
Plot Scale: AS NOTED
Checked by: AB
Reviewed by: CD
Submitted by: MJ
Comm. No.: 7261.00

PELICAN ISLAND RESTORATION
(BA-38-1)
CWPPRA PROJECT
CROSS SECTIONS

DRAWING NO.
XS-12

SHEET 26 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

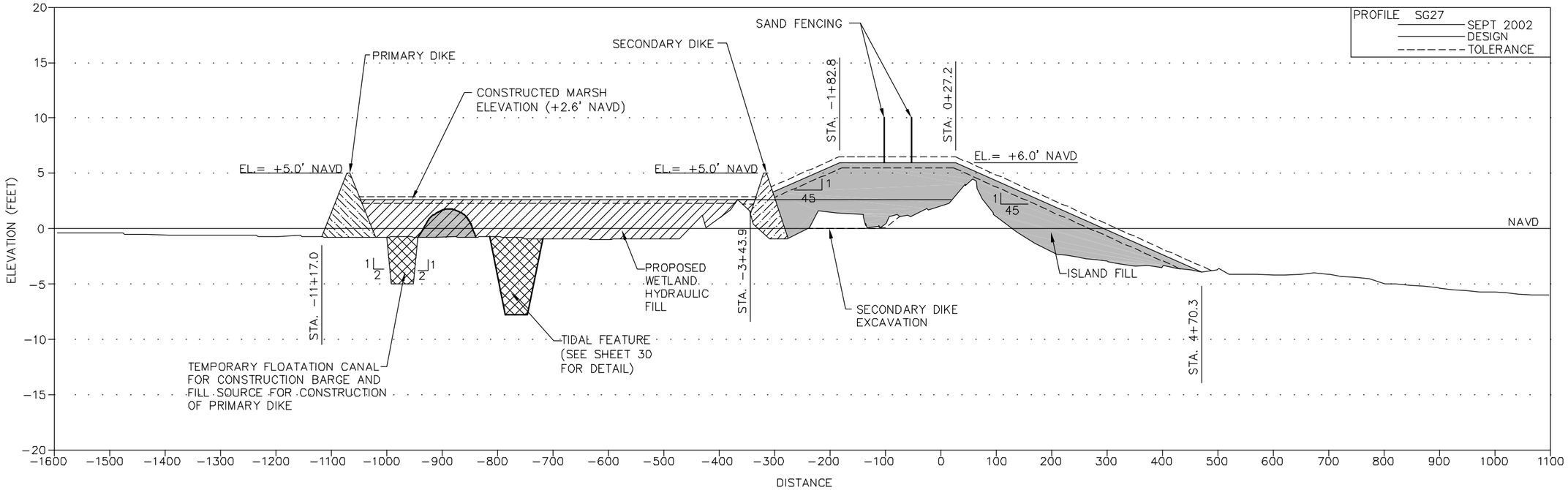
COASTAL PLANNING & ENGINEERING, INC.
2481 N.W. BOCA RATON BOULEVARD
BOCA RATON, FLORIDA 33431
PH. (561) 391-8102
FAX (561) 391-9116
FLA. #COA 4028
www.CoastalPlanning.net

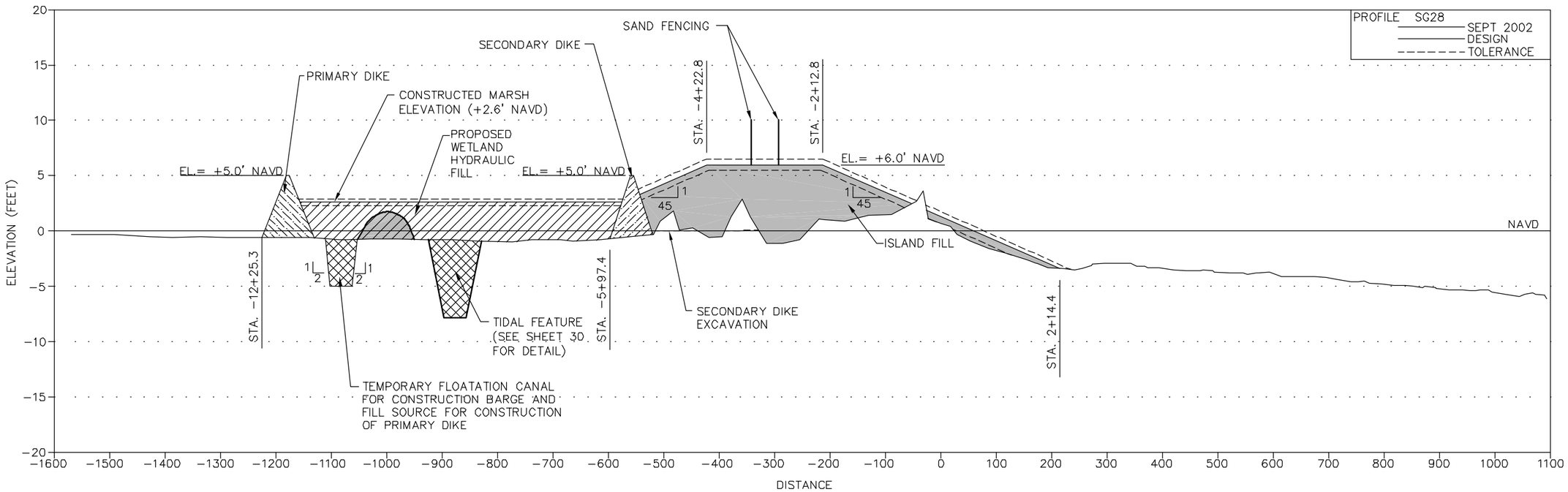
No.	Date	Description

Reference Files:
Designed by: MJ
Drawn by: TW
Date: 11/7/03
Plot Scale: AS NOTED
Checked by: AB
Reviewed by: CD
Submitted by: MJ
Comm. No.: 7261.00

PELICAN ISLAND RESTORATION
(BA-38-1)
CWPPRA PROJECT
CROSS SECTIONS

DRAWING NO.
XS-13





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

DRAFT

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

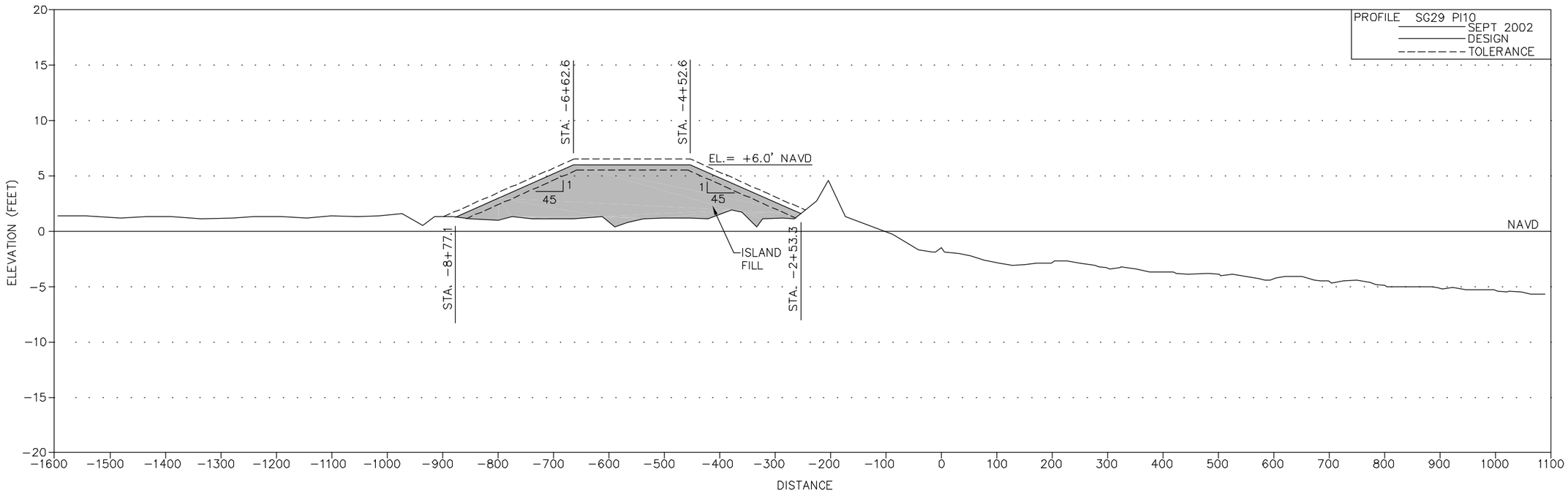
COASTAL PLANNING & ENGINEERING, INC.
2481 N.W. BOCA RATON BOULEVARD
BOCA RATON, FLORIDA 33431
PH. (561) 391-8102
FAX (561) 391-9116
FLA. #COA 4028
www.CoastalPlanning.net

No.	Date	Description

Reference Files:
Designed by: MJ
Drawn by: TW
Date: 11/7/03
Plot Scale: AS NOTED
Checked by: AB
Reviewed by: CD
Submitted by: MJ
Comm. No.: 7261.00

PELICAN ISLAND RESTORATION
(BA-38-1)
CWPPRA PROJECT
CROSS SECTIONS

DRAWING NO.
XS-14



NOTE:
1. ISLAND FILL TOLERANCE = 0.5 FEET.

DRAFT

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

COASTAL PLANNING & ENGINEERING, INC.
2481 N.W. BOCA RATON BOULEVARD
BOCA RATON, FLORIDA 33431
PH. (561) 391-8102
FAX (561) 391-9116
FLA. #COA 4028
www.CoastalPlanning.net

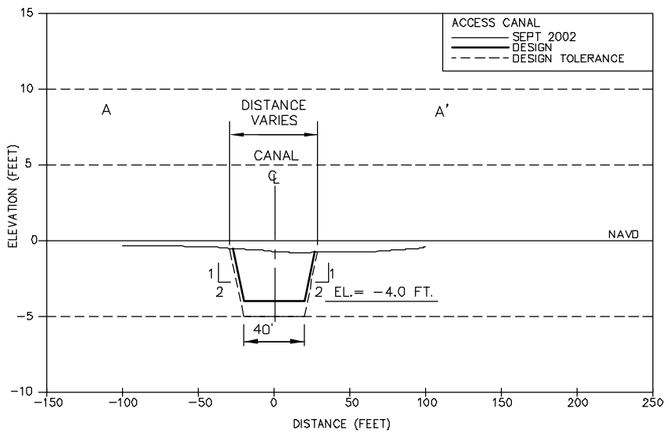
No.	Date	Description

Reference Files:
Designed by: MJ
Drawn by: TW
Date: 11/7/03
Plot Scale: AS NOTED
Checked by: AB
Reviewed by: CD
Submitted by: MJ
Comm. No.: 7261.00

PELICAN ISLAND RESTORATION
(BA-38-1)
CWPPRA PROJECT
CROSS SECTIONS

DRAWING NO.
XS-15

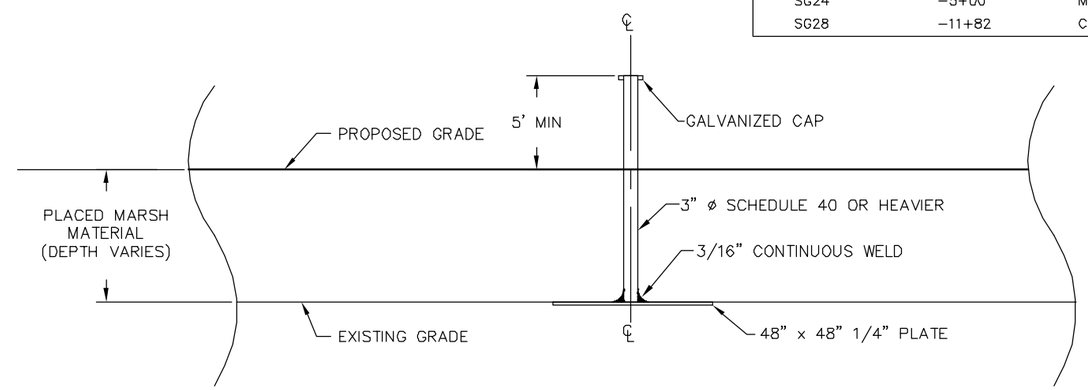
TYPICAL CANAL ACCESS CROSS SECTION A–A'



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

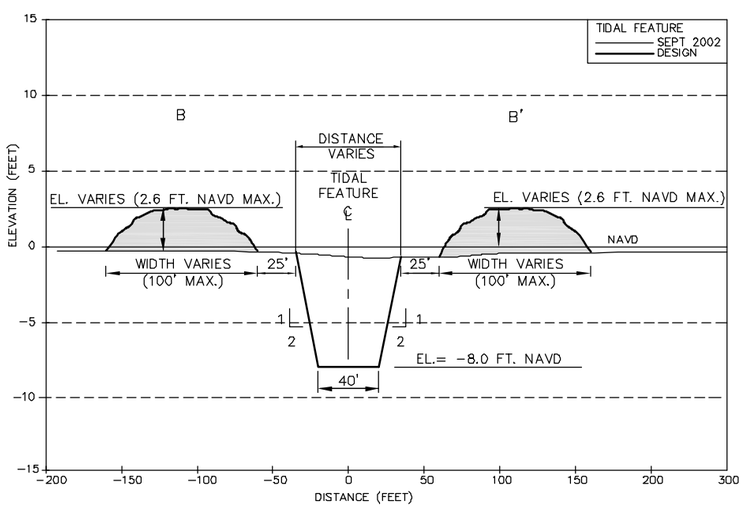
SETTLEMENT PLATE DETAIL

SETTLEMENT PLATE LOCATIONS		
PROFILE LINE	STATION	LOCATION
SG4	3+39	MIDDLE OF SAND DUNE
SG8	−6+00	MARSH
SG10	−7+83	C.L. OF PRIMARY DIKE
SG13	−6+00	MARSH
SG16	−7+36	C.L. OF PRIMARY DIKE
SG18	−3+00	MARSH
SG21	1+19	SAND DUNE
SG24	−5+00	MARSH
SG28	−11+82	C.L. OF PRIMARY DIKE



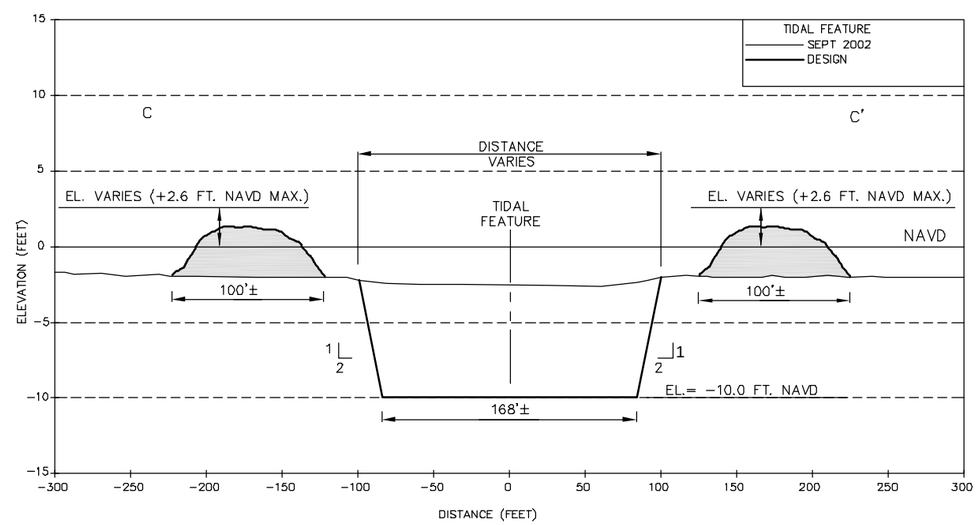
NOT TO SCALE

TIDAL FEATURE CROSS SECTIONS



CROSS SECTION B–B'

NOTES:
1. TIDAL FEATURES ARE TO BE LAID OUT BY THE CONTRACTOR & LAYOUT APPROVED BY THE ENGINEER BEFORE EXCAVATION.
2. EXCAVATIONS AND FILLS DEPICTED IN SECTIONS B–B' AND C–C' SHALL BE COMPLETED PRIOR TO PLACEMENT OF ANY HYDRAULIC FILL. CONTRACTOR SHOULD SURVEY THIS AREA AND REQUEST AN INSPECTION BY THE COTR BEFORE ANY HYDRAULIC FILL IS PLACED. SUBSEQUENT TO EXCAVATION THE ENTIRE AREA SHALL BE FILLED BY A NEAR LEVEL SURFACE OF HYDRAULIC FILL.
3. ELEVATIONS SHOWN HEREON ARE IN FEET BASED ON NAVD 1988.



CROSS SECTION C–C'

LEGEND:

EXCAVATED MARSH MATERIAL FROM TIDAL FEATURE

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

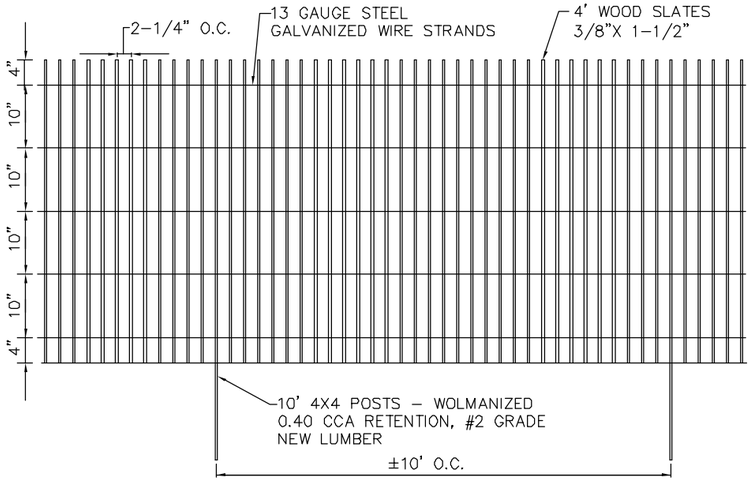
COASTAL PLANNING & ENGINEERING, INC.
2481 N.W. BOCA RATON BOULEVARD
BOCA RATON, FLORIDA 33431
PH. (561) 391-8102
FAX (561) 391-9116
FLA. #COA 4028
www.CoastalPlanning.net

No.	Date	Description

Reference Files:
Designed by: MJ
Drawn by: AMB
Date: 11/7/03
Plot Scale: AS NOTED
Checked by: AB
Reviewed by: CD
Submitted by: MJ
Comm. No.: 7261.00

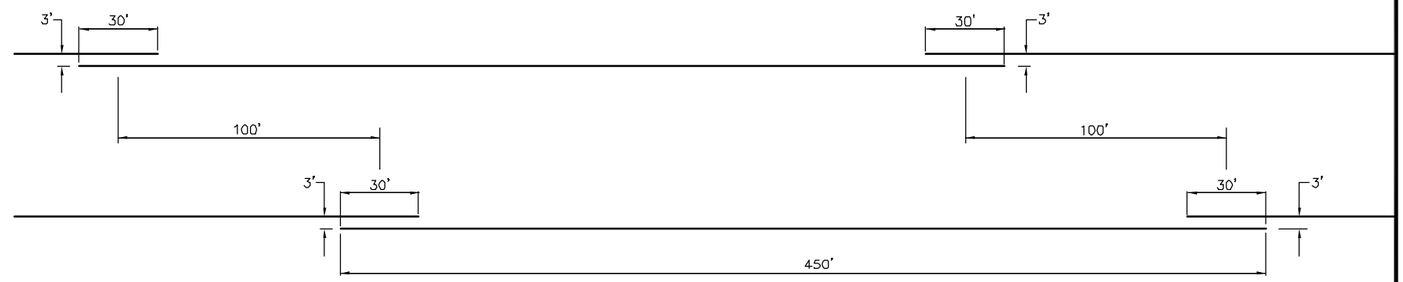
PELICAN ISLAND RESTORATION
(BA-38-1)
CWPPRA PROJECT
TYPICAL CANAL CROSS SECTION,
TIDAL FEATURE CROSS SECTIONS,
AND SETTLEMENT PLATE DETAIL

DRAWING NO.
DE–1



FENCING DETAILS

N.T.S.



FENCE GAPPING DIMENSIONS

N.T.S.

COASTAL PLANNING & ENGINEERING, INC.
2481 N.W. BOCA RATON BOULEVARD
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: AMB
Date: 11/7/03
Plot Scale: AS NOTED
Checked by: AB
Reviewed by: CD
Submitted by: MJ
Comm. No.: 7261.00

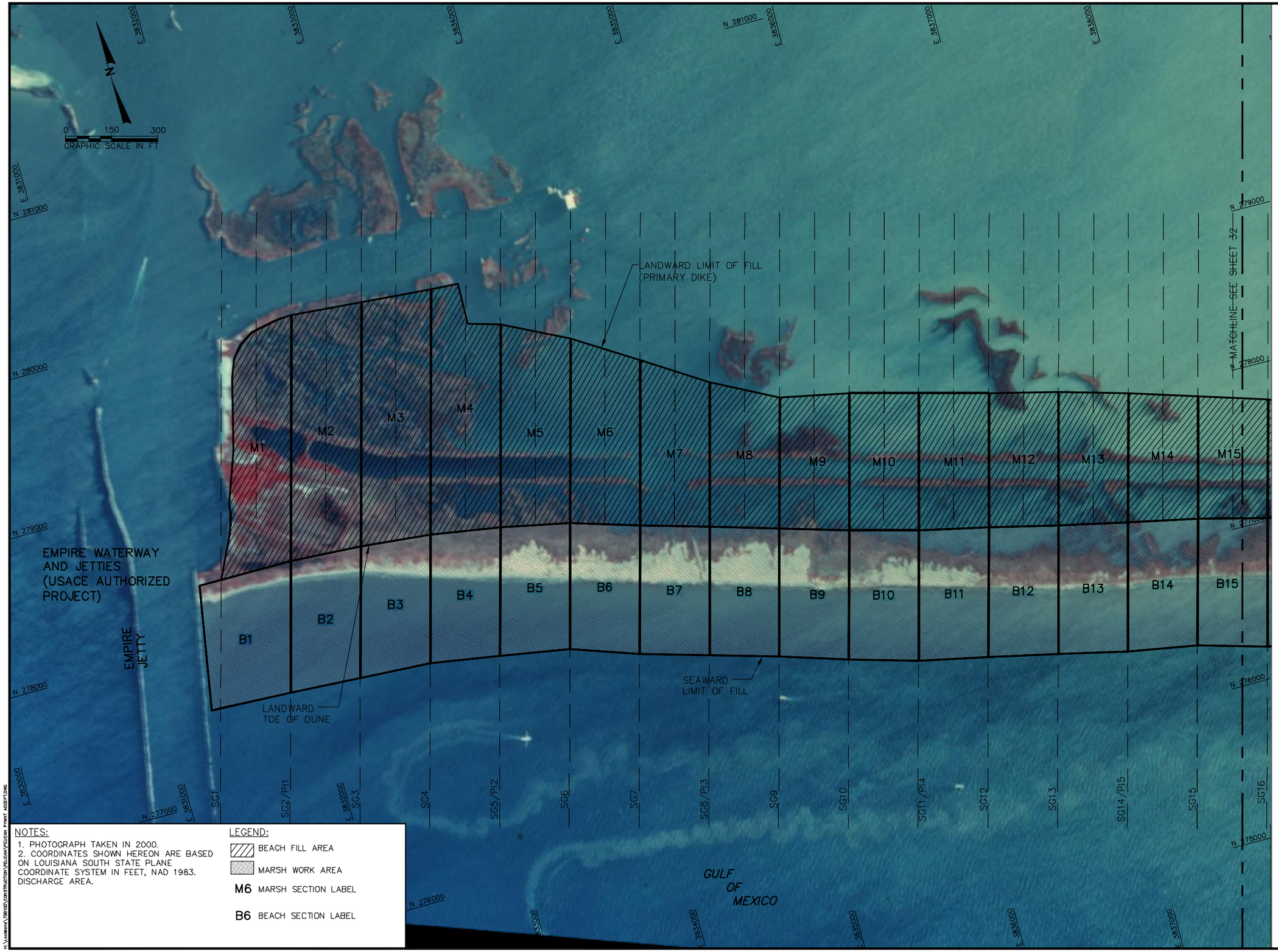
PELICAN ISLAND RESTORATION
(BA-38-1)
CWPPRA PROJECT

SAND FENCE DETAIL

DRAWING NO.

DE-2

H:\Louisiana\7261.00\CONSTRUCTION\PELICAN\PELICAN FEATURE DETAILS.DWG



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

H:\Lisa\data\70910D\CONSTRUCTION\PELICAN\PELICAN PRINT ACCEPT.DWG

COASTAL PLANNING & ENGINEERING, INC.
2481 N.W. BOCA RATON BOULEVARD
BOCA RATON, FLORIDA 33431
PH. (561) 391-8102
FAX (561) 391-9116
FLA. #COA 4028
www.CoastalPlanning.net

No.	Date	Description

Reference Files: BORDER/PELICAN.DWG

Designed by: MJ
Drawn by: RDO
Date: 11/7/03
Plot Scale: 1" =300'

Checked by: AB
Reviewed by: CD
Submitted by: MJ
Comm. No: 7261.00

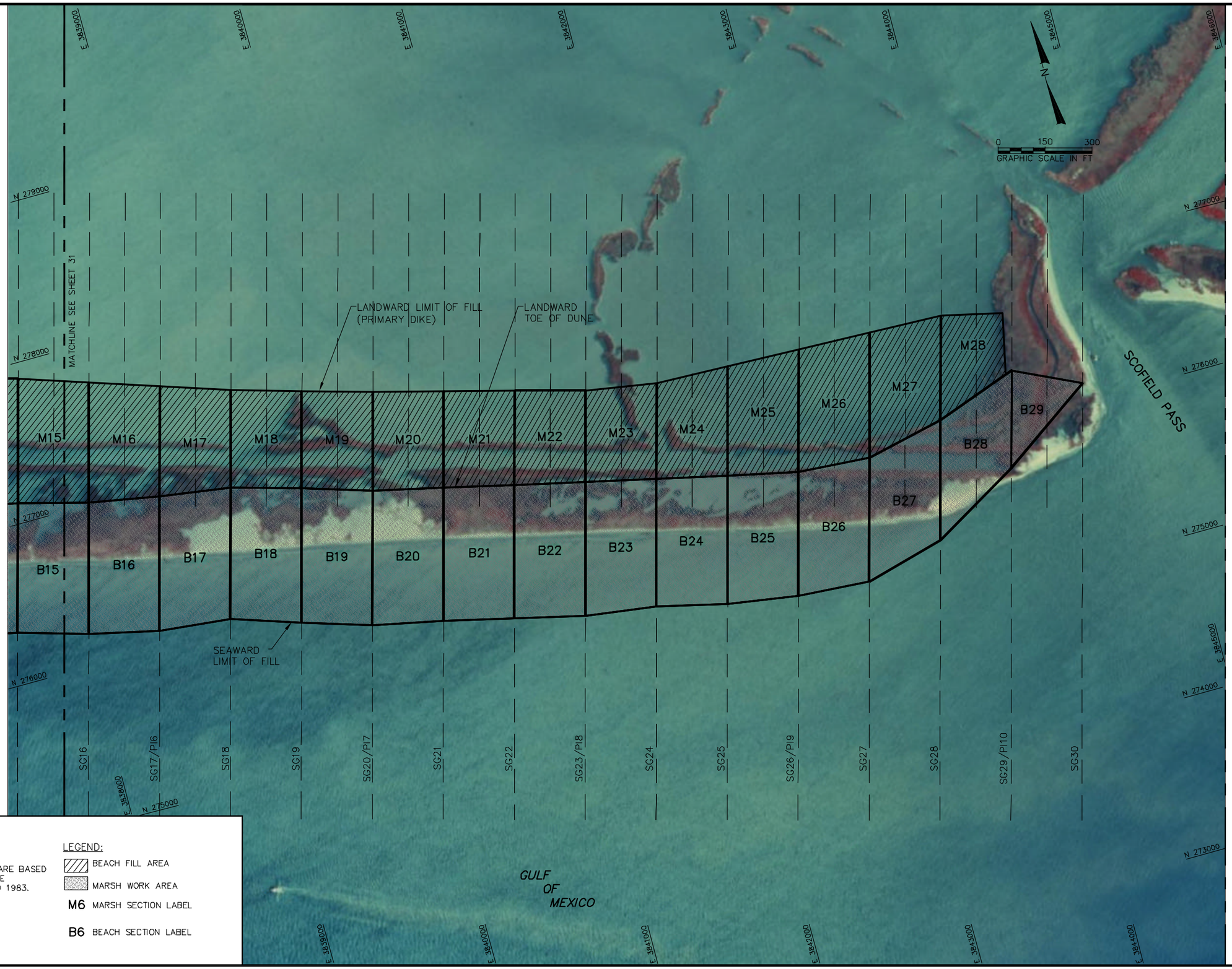
PELICAN ISLAND RESTORATION
(BA-38-1)
CWPPRA PROJECT

PAYMENT ACCEPTANCE SECTIONS

DRAWING NO.

PA-1

SHEET 32 OF 33



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

COASTAL PLANNING & ENGINEERING, INC.
2481 N.W. BOCA RATON BOULEVARD
BOCA RATON, FLORIDA 33431
PH. (561) 391-8102
FAX (561) 391-9116
FLA. #COA 4028
www.CoastalPlanning.net

No.	Date	Description

Designed by: MJ
Drawn by: RDO
Date: 11/7/03
Plot Scale: 1"=300'
Checked by: AB
Reviewed by: CD
Submitted by: MJ
Comm. No.: 7261.00
Reference Files: BORDERPELICAN.DWG

PELICAN ISLAND RESTORATION
(BA-38-1)
CWPPRA PROJECT
PAYMENT ACCEPTANCE SECTIONS

DRAWING NO.
PA-2
SHEET 33 OF 33