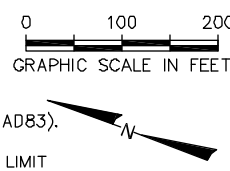


LEGEND:
 Δ R-36 FDEP MONUMENTS
 ⊙ R-38+250 MAP SPOT

SEPTEMBER 2009 DIVER VERIFIED HARDBOTTOM

NOTES:
 1. COORDINATES SHOWN ARE IN FEET BASED ON FLORIDA STATE PLANE COORDINATE SYSTEM, WEST ZONE, NORTH AMERICAN DATUM OF 1983 (NAD83).
 2. DATE OF AERIAL PHOTOGRAPH: FEBRUARY 2008.
 3. LANDWARD LIMIT OF FILL IS THE 4.0' NAVD CONTOUR OR THE SEAWARD LIMIT OF VEGETATION, SEAWALL OR DEVELOPMENT.
 4. LAYOUT BEACH FILL PER CROSS-SECTIONS.



COASTAL PLANNING & ENGINEERING, INC.
 2481 N.W. BOCA RATON BOULEVARD
 BOCA RATON, FLORIDA 33431
 PH: (561) 391-8102
 FAX: (561) 391-8116
 C.O.A. FL #40298
 C.O.A. LA #2531
 www.CoastalPlanning.net



REVISIONS	No.	Date	Description

Reference Files: sheet annotations	Designed by: TP	Checked by: AMB
Drawn by: JRC	Reviewed by: TP	Submitted by: MR
Date: 1/26/10	Print Scale: AS NOTED	Comm. No.: B448.65

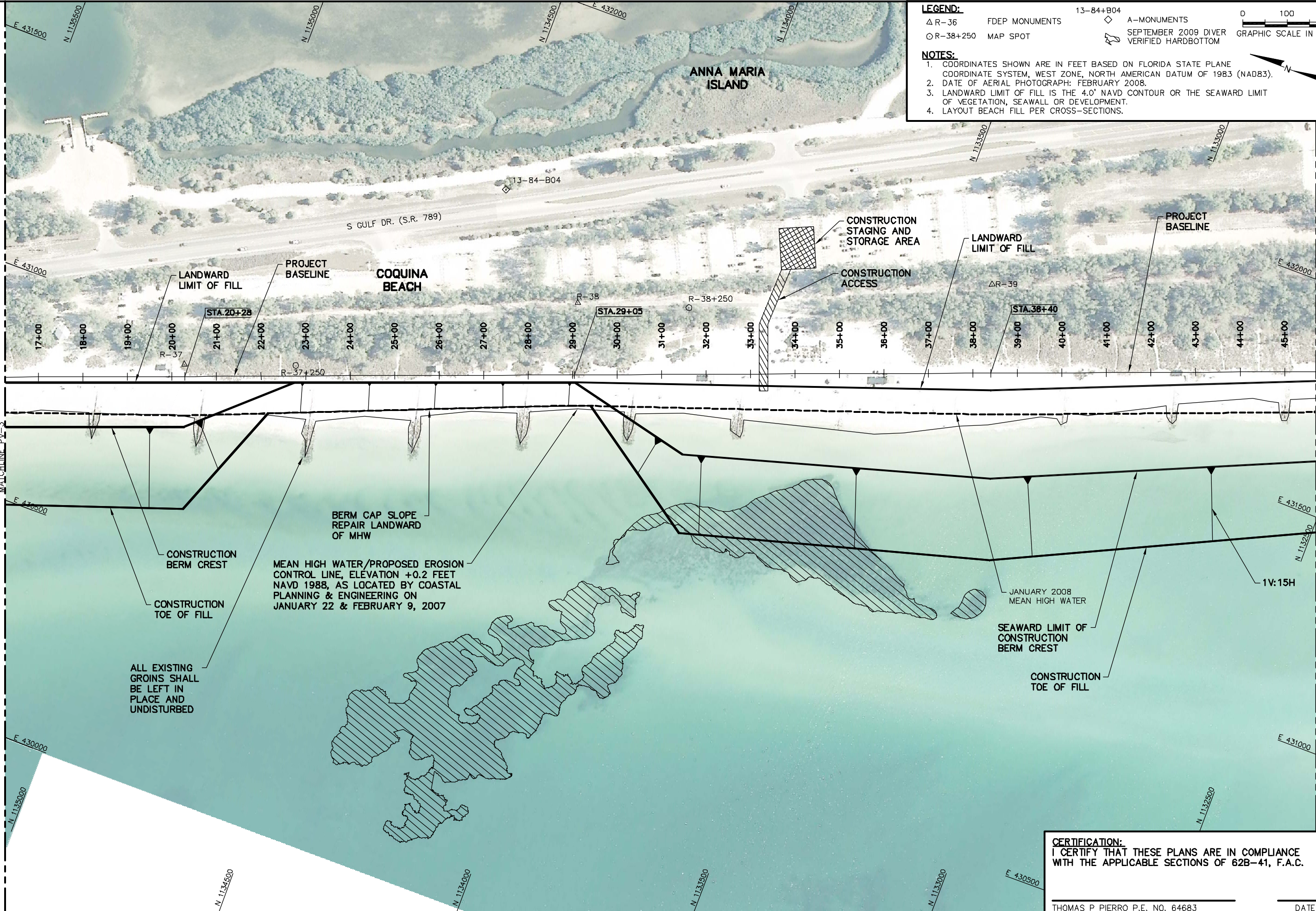
ANNA MARIA ISLAND
 BEACH NOURISHMENT PROJECT
 MANATEE COUNTY, FLORIDA
 COQUINA BEACH
 PLAN VIEW

CERTIFICATION:
 I CERTIFY THAT THESE PLANS ARE IN COMPLIANCE WITH THE APPLICABLE SECTIONS OF 62B-41, F.A.C.

THOMAS P. PIERRÓ P.E. NO. 64683
 DATE _____

DRAWING NO.
PV-3
 SHEET 5 OF 13

P:\Projects\044665 - Coquina Beach Nourishment Project\W414_CPH_CAD\CONSTRUCTION DESIGN\44665_CS_AND_PLAN_VIEWING - Dec 08, 2008 11:58am - hvdmar



LEGEND:

- △ R-36 FDEP MONUMENTS
- R-38+250 MAP SPOT
- ◇ 13-84+B04 A-MONUMENTS
- ◊ SEPTEMBER 2009 DIVER VERIFIED HARDBOTTOM

NOTES:

- COORDINATES SHOWN ARE IN FEET BASED ON FLORIDA STATE PLANE COORDINATE SYSTEM, WEST ZONE, NORTH AMERICAN DATUM OF 1983 (NAD83).
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- LAYOUT BEACH FILL PER CROSS-SECTIONS.

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REVISIONS	No.	Date	Description

Designed by:	Checked by:
Drawn by:	Reviewed by:
Date:	Submitted by:
Proj. No.:	Comm. No.:
PAS NOTED	8448.65

ANNA MARIA ISLAND
 BEACH NOURISHMENT PROJECT
 MANATEE COUNTY, FLORIDA
 COQUINA BEACH
 PLAN VIEW

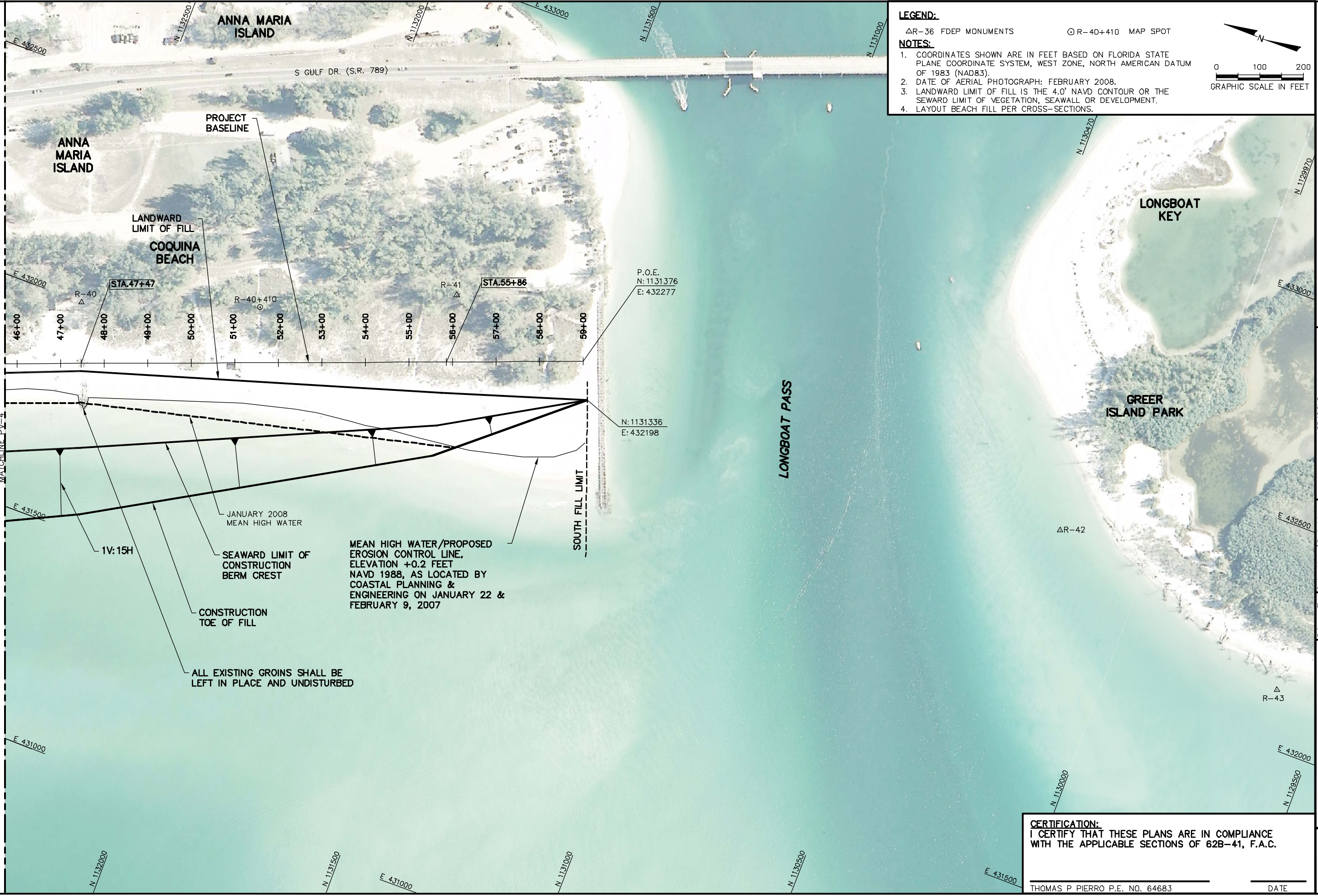
CERTIFICATION:
 I CERTIFY THAT THESE PLANS ARE IN COMPLIANCE WITH THE APPLICABLE SECTIONS OF 62B-41, F.A.C.

THOMAS P. PIERRÓ P.E. NO. 64683 _____ DATE _____

DRAWING NO.
PV-4
 SHEET 6 OF 13

P:\Projects\044665 - Coquina Beach Nourishment Project\W414_CPE_CAD\CONSTRUCTION DESIGN\44665_CS AND PLAN VIEWING - Dec 08, 2010 @ 11:17am - hvdmar

P:\Projects\044665 - Coquina Beach Nourishment Project\W414_C041\CONSTRUCTION DESIGN\44665_CS AND PLAN VIEWING - Dec 04, 2010 @ 1:29pm - hvdhwr



LEGEND:
 ΔR-36 FDEP MONUMENTS ⊙R-40+410 MAP SPOT

NOTES:
 1. COORDINATES SHOWN ARE IN FEET BASED ON FLORIDA STATE PLANE COORDINATE SYSTEM, WEST ZONE, NORTH AMERICAN DATUM OF 1983 (NAD83).
 2. DATE OF AERIAL PHOTOGRAPH: FEBRUARY 2008.
 3. LANDWARD LIMIT OF FILL IS THE 4.0' NAVD CONTOUR OR THE SEWARD LIMIT OF VEGETATION, SEAWALL OR DEVELOPMENT.
 4. LAYOUT BEACH FILL PER CROSS-SECTIONS.

ANNA MARIA ISLAND

S GULF DR. (S.R. 789)

PROJECT BASELINE

LANDWARD LIMIT OF FILL

COQUINA BEACH

STA.47+47

STA.55+86

P.O.E.
N: 1131376
E: 432277

46+00 47+00 48+00 49+00 50+00 51+00 52+00 53+00 54+00 55+00 56+00 57+00 58+00 59+00

R-40
R-41

MEAN HIGH WATER/PROPOSED EROSION CONTROL LINE, ELEVATION +0.2 FEET NAVD 1988, AS LOCATED BY COASTAL PLANNING & ENGINEERING ON JANUARY 22 & FEBRUARY 9, 2007

SEAWARD LIMIT OF CONSTRUCTION BERM CREST

CONSTRUCTION TOE OF FILL

ALL EXISTING GROINS SHALL BE LEFT IN PLACE AND UNDISTURBED

SOUTH FILL LIMIT

MEAN HIGH WATER

1V:15H

ANNA MARIA ISLAND

COQUINA BEACH

LONGBOAT KEY

GREER ISLAND PARK

LONGBOAT PASS

ΔR-42

ΔR-43

N: 1131336
E: 432198

E 432500

E 432000

E 431500

E 431000

N 1132000

N 1131500

N 1131000

N 1130500

N 1130000

N 1129500

N 1129000

E 433000

E 432500

E 432000

E 431500

E 431000

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 C.O.A. LA #2531
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REVISIONS	No.	Date	Description

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TP	AMB
Drawn by:	Reviewed by:
JRC	TP
Date:	Submitted by:
1/26/10	MR
Proj. No.:	Comm. No.:
44665	8448.65
PAS NOTED	

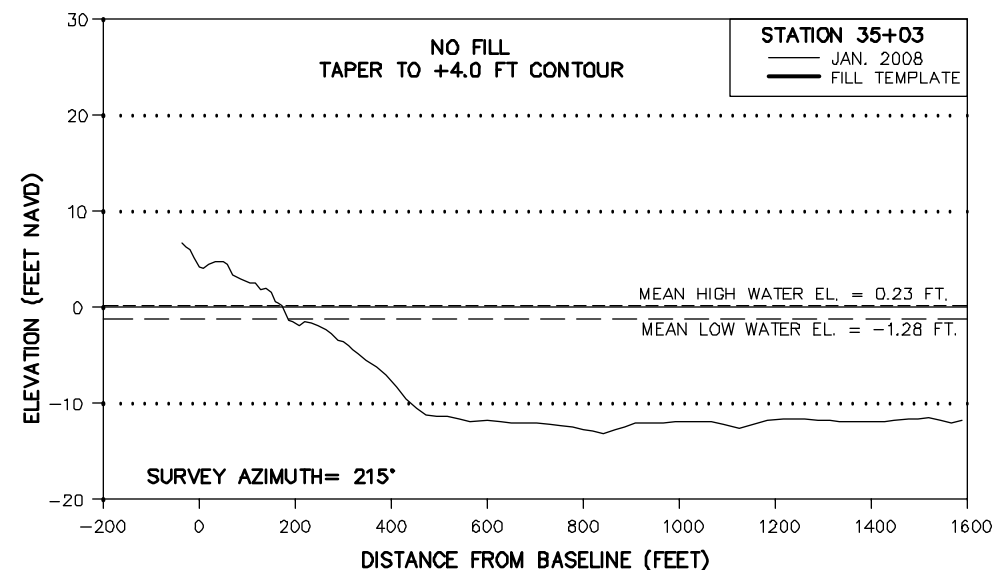
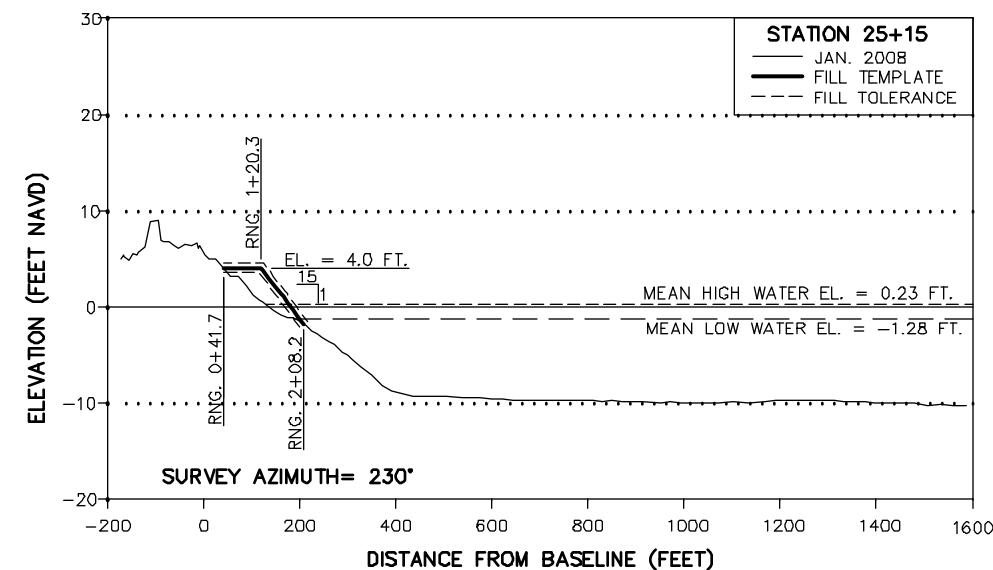
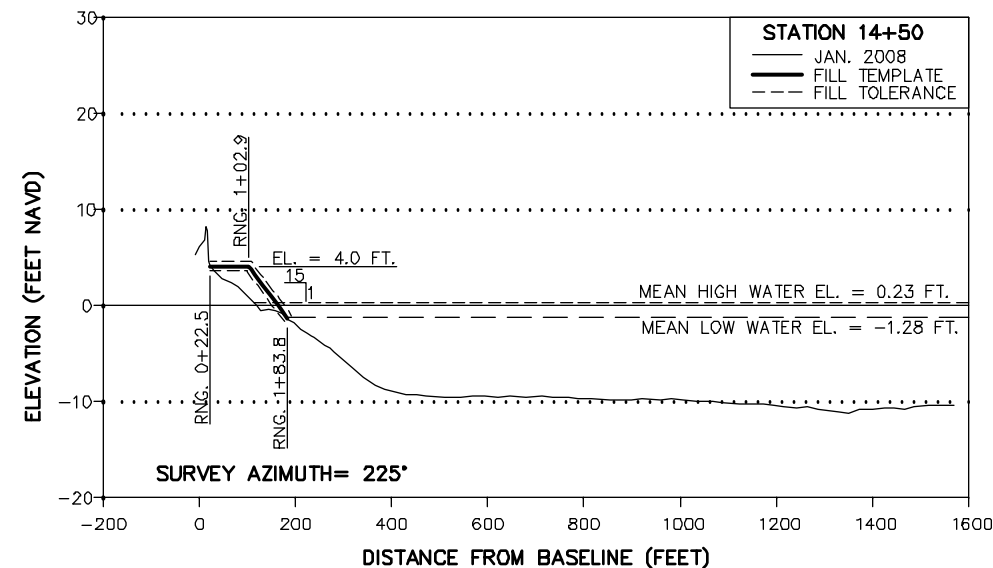
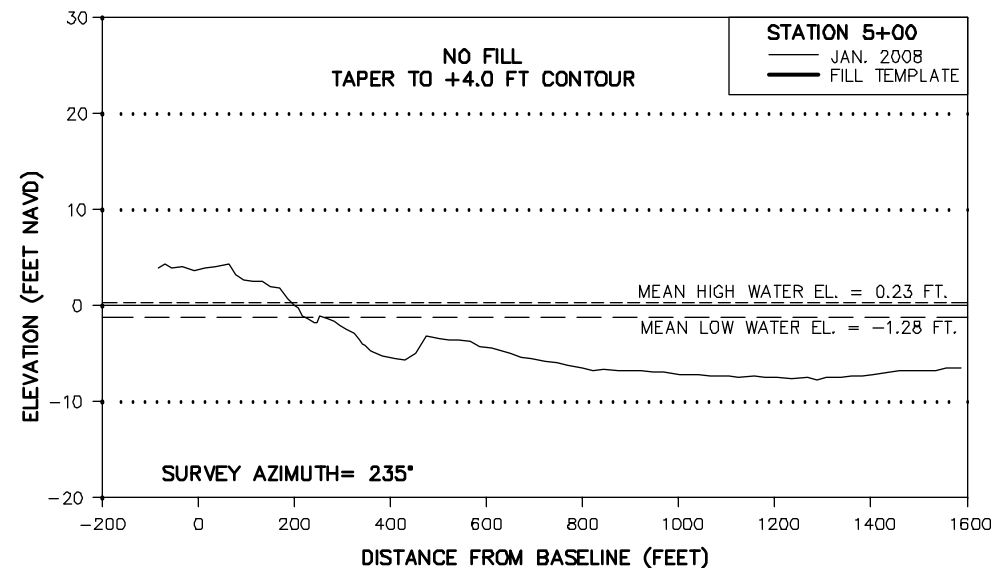
ANNA MARIA ISLAND
 BEACH NOURISHMENT PROJECT
 MANATEE COUNTY, FLORIDA
 COQUINA BEACH
 PLAN VIEW

CERTIFICATION:
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THOMAS P. PIERRÓ P.E. NO. 64683 DATE

DRAWING NO.
PV-5
 SHEET 7 OF 13

CITY OF ANNA MARIA SEGMENT



NOTE:

1. MEAN HIGH WATER (MHW) AND MEAN LOW WATER (MLW) ELEVATIONS PUBLISHED IN NAVD 88, FROM LAND BOUNDARY INFORMATION SYSTEM (LABINS) BASED ON EPOCH 1960-1978 TIDE INTERPOLATION POINT IDENTIFICATION NUMBER 200904.
2. ELEVATIONS ARE IN FEET REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD).
3. SURVEY AZIMUTHS PROVIDED FOR LAYOUT OF BEACH FILL. PAY PROFILES SHALL BE SURVEYED AS INDICATED ON CONTROL SHEET (CD).

CERTIFICATION:
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THOMAS P. PIERRÓ P.E. NO. 64683

DATE

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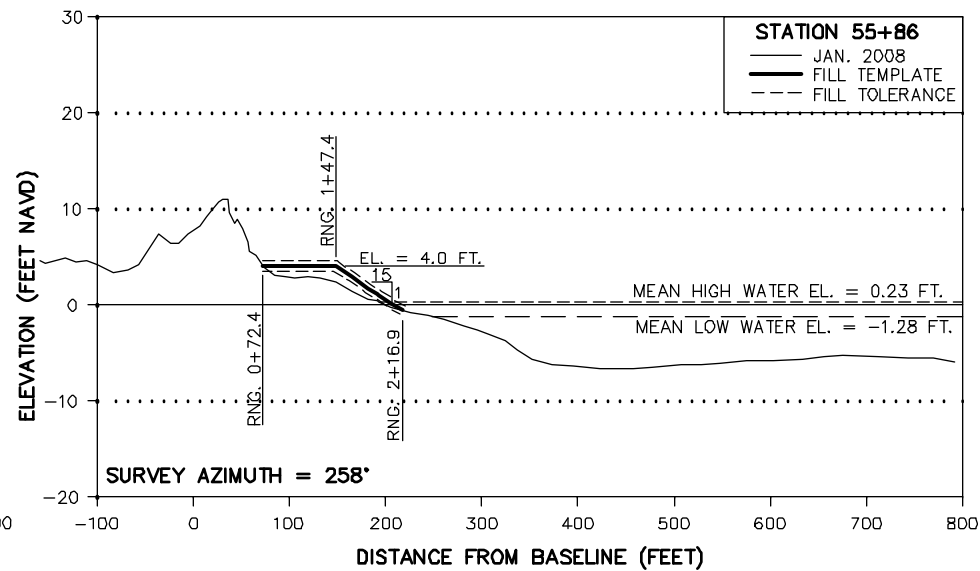
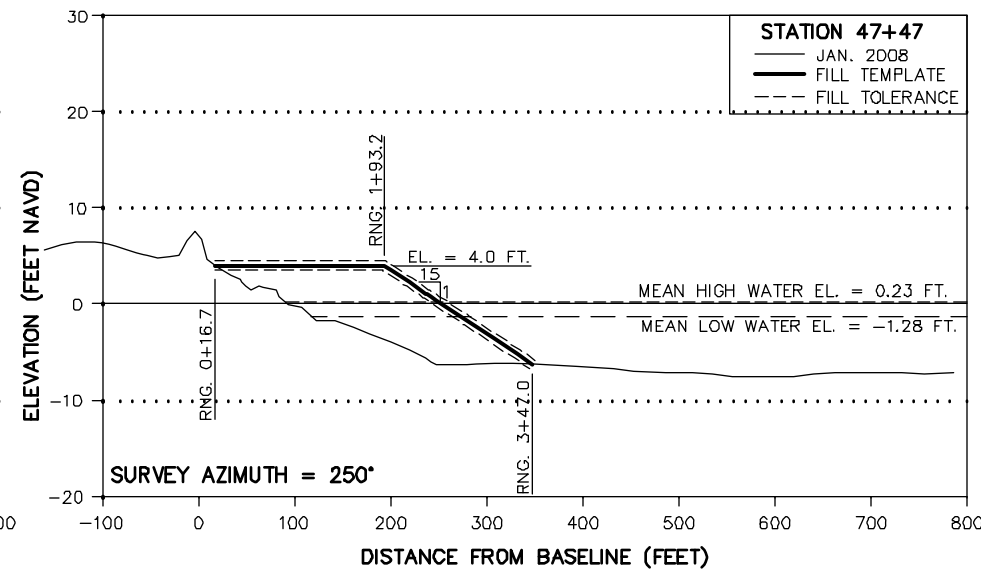
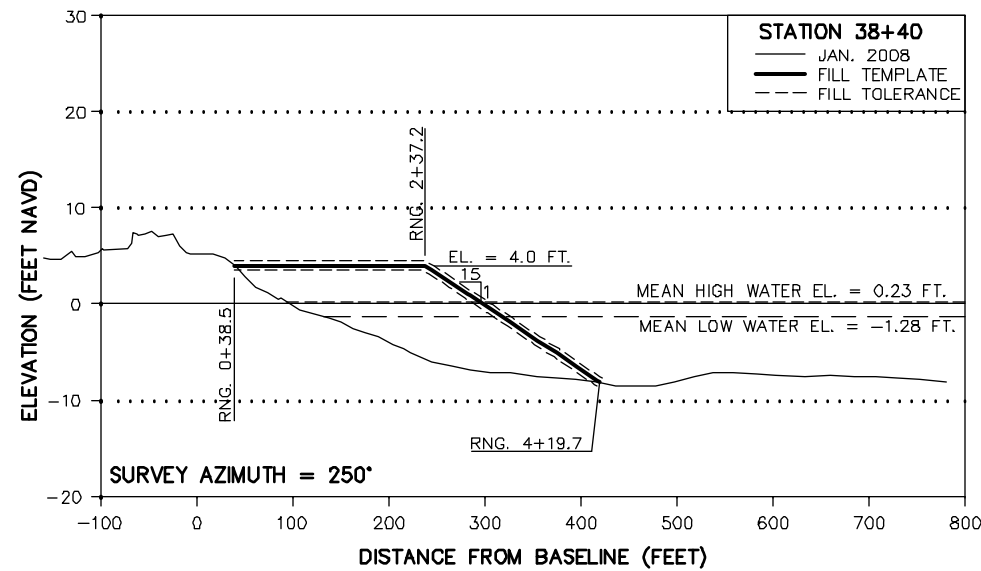
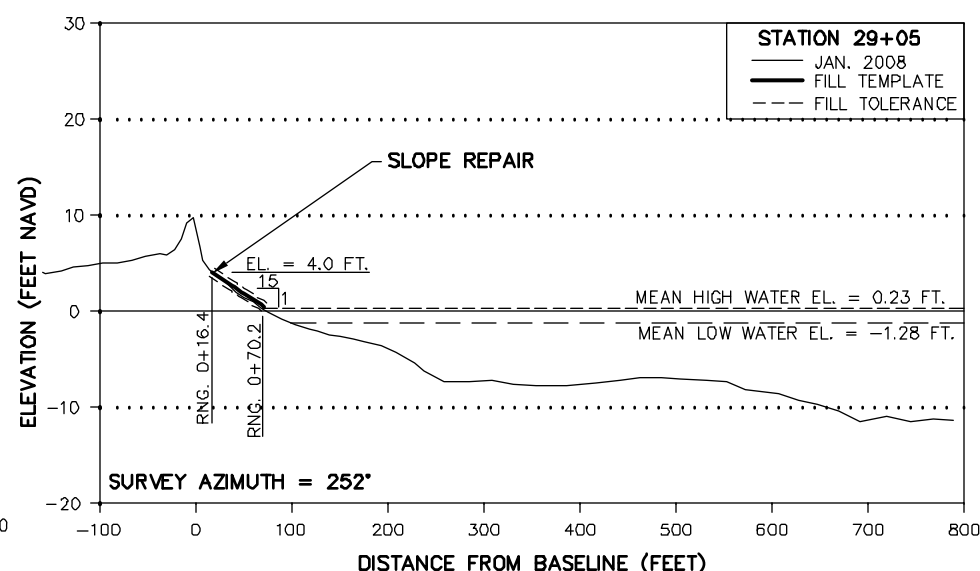
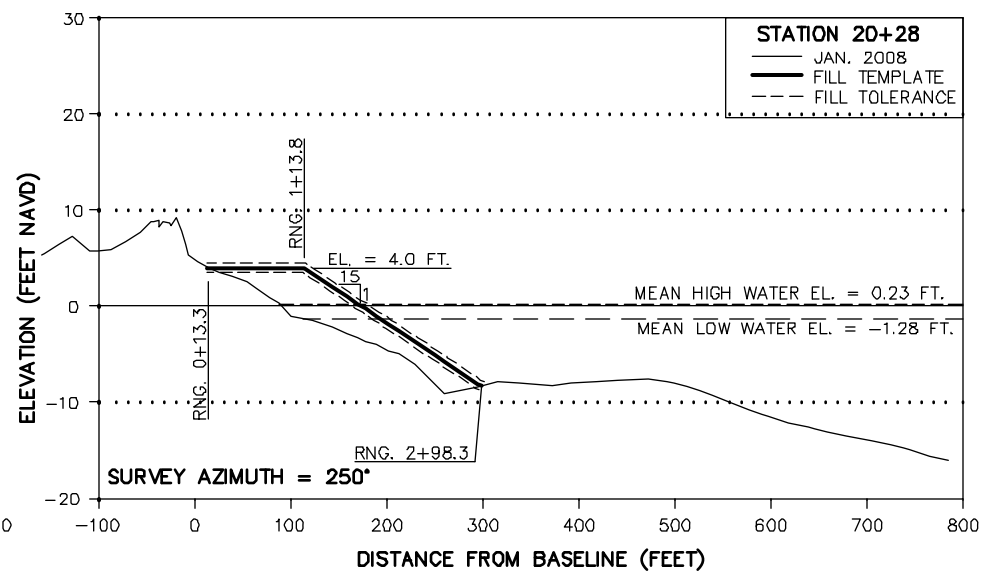
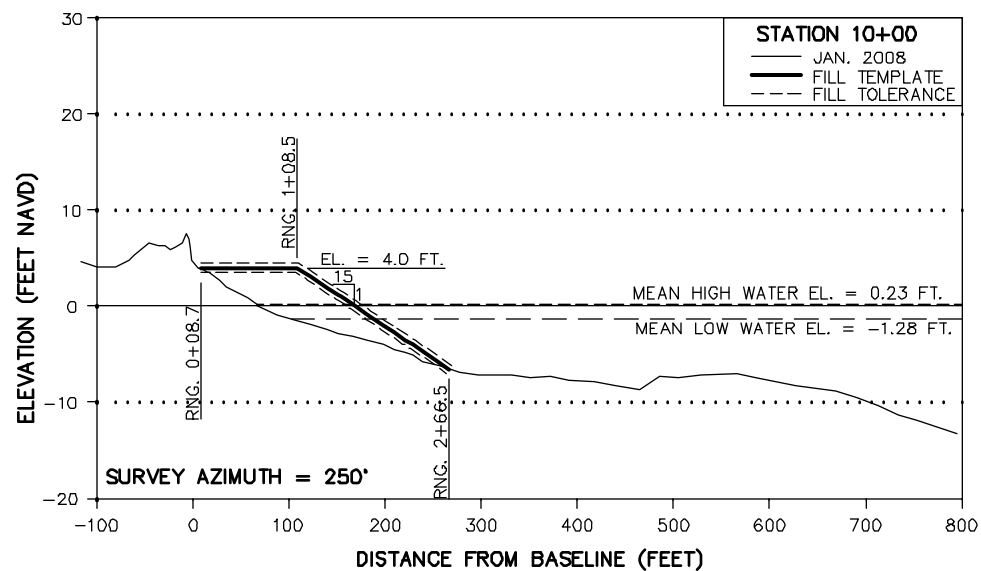
REVISIONS	No.	Date	Description

Reference Files: c:\pds\annamaria	Designed by: TP	Checked by: AMB
Drawn by: JRC	Date: 1/26/10	Reviewed by: TP
Plot Scale: AS NOTED	Submitted by: MR	Comm. No.: B448.65

ANNA MARIA ISLAND
 BEACH NOURISHMENT PROJECT
 MANATEE COUNTY, FLORIDA
 CITY OF ANNA MARIA
 BASELINE CROSS SECTIONS

DRAWING NO.
XS-1
 SHEET 8 OF 13

COQUINA BEACH SEGMENT



NOTE:

1. MEAN HIGH WATER (MHW) AND MEAN LOW WATER (MLW) ELEVATIONS PUBLISHED IN NAVD 88, FROM LAND BOUNDARY INFORMATION SYSTEM (LABINS) BASED ON EPOCH 1960-1978 TIDE INTERPOLATION POINT IDENTIFICATION NUMBER 200904.
2. ELEVATIONS ARE IN FEET REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD).
3. SURVEY AZIMUTHS PROVIDED FOR LAYOUT OF BEACH FILL. PAY PROFILES SHALL BE SURVEYED AS INDICATED ON CONTROL SHEET (CD).

CERTIFICATION:
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THOMAS P. PIERRÓ P.E. NO. 64683

DATE

COASTAL PLANNING & ENGINEERING, INC.
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C.O.A. LA #2531
www.CoastalPlanning.net



REVISIONS	Description	No.	Date

Reference Files:	Designed by:	Checked by:
	TP	AMB
	Drawn by:	Reviewed by:
	JRC	TP
	Date:	Submitted by:
	1/26/10	MR
	Plot Scale:	Comm. No.:
	PAS NOTED	B448.65

ANNA MARIA ISLAND
BEACH NOURISHMENT PROJECT
MANATEE COUNTY, FLORIDA
COQUINA BEACH
FILL CROSS SECTIONS

DRAWING NO.
XS-2
SHEET 9 OF 13

P:\Marathon\44663 - Coquina Beach Nourishment Project\W441\COPI\CONSTRUCTION DESIGN\44663 BASELINE CROSS SECTIONS.dwg - Dec 04, 2010 @ 1:27pm - hvdmar



LEGEND:
 PIPELINE CORRIDOR

NOTES:
 1. COORDINATES ARE IN FEET BASED ON FLORIDA STATE PLANE COORDINATE SYSTEM, WEST ZONE, NORTH AMERICAN DATUM OF 1983 (NAD83).
 2. DATE OF SIDE SCAN AND MAGNETOMETER SURVEY: DECEMBER 2008, BY COASTAL PLANNING & ENGINEERING, INC.
 3. AERIAL DOWNLOADED FROM GOOGLE EARTH.

0 2000 4000
 GRAPHIC SCALE IN FEET

CERTIFICATION:
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THOMAS P PIERRO P.E. NO. 64683 _____ DATE _____

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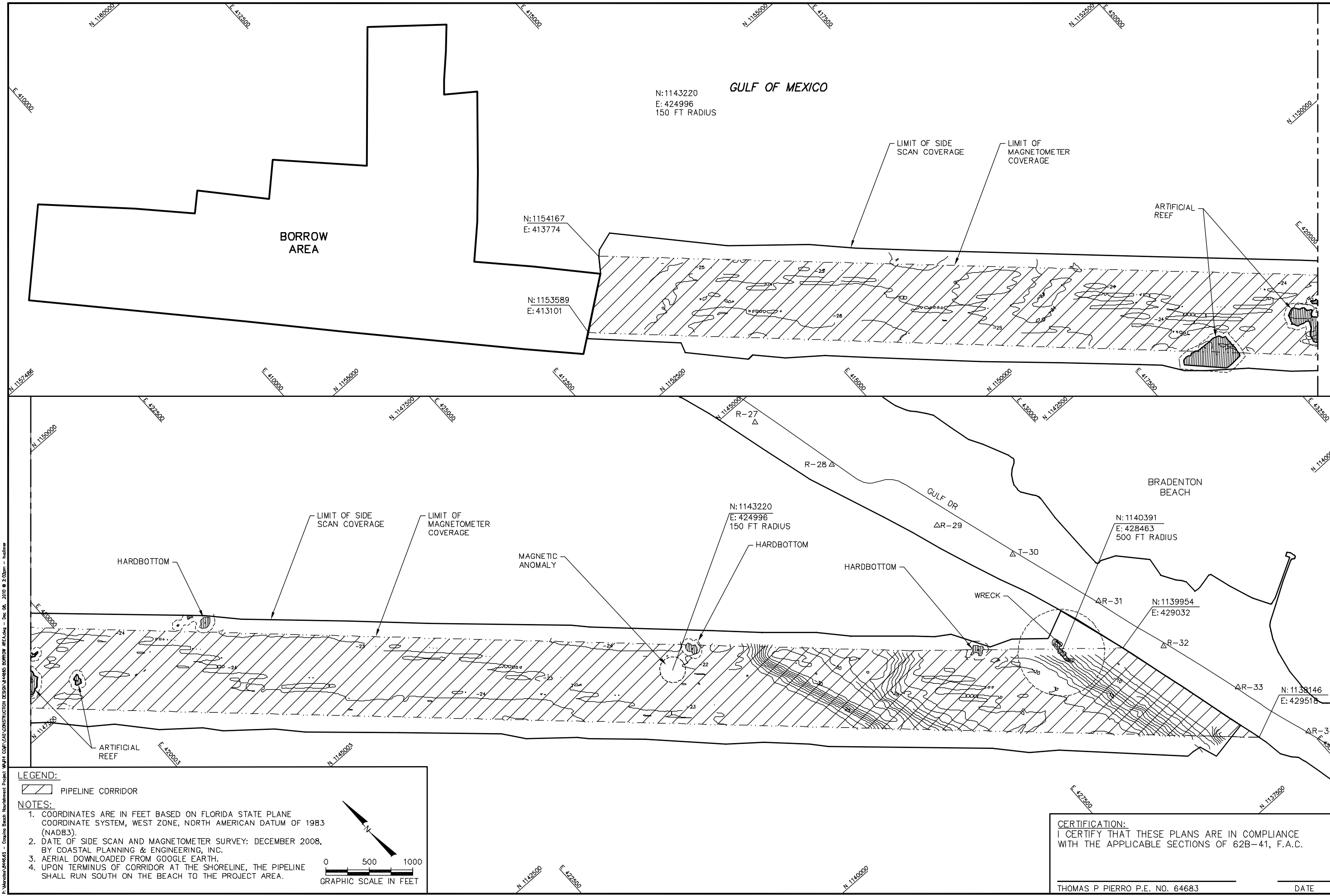


REVISIONS	
No.	Description

Designed by: TP	Checked by: AMB
Drawn by: JRC	Reviewed by: TP
Date: 1/26/10	Submitted by: MR
Plot Scale: AS NOTED	Comm. No.: B448.65

ANNA MARIA ISLAND
 BEACH NOURISHMENT PROJECT
 MANATEE COUNTY, FLORIDA
 PIPELINE CORRIDOR
 PLAN VIEW

DRAWING NO.
 BA-3
 SHEET 12 OF 13



P:\Projects\044663 - Coastal Beach Nourishment Project\WHS1\COMP\CAD\CONSTRUCTION DESIGN\44663 BORROW AREA.dwg - Dec 08, 2010 @ 2:02pm - hwallter

LEGEND:
 PIPELINE CORRIDOR

NOTES:

- COORDINATES ARE IN FEET BASED ON FLORIDA STATE PLANE COORDINATE SYSTEM, WEST ZONE, NORTH AMERICAN DATUM OF 1983 (NAD83).
- DATE OF SIDE SCAN AND MAGNETOMETER SURVEY: DECEMBER 2008, BY COASTAL PLANNING & ENGINEERING, INC.
- AERIAL DOWNLOADED FROM GOOGLE EARTH.
- UPON TERMINUS OF CORRIDOR AT THE SHORELINE, THE PIPELINE SHALL RUN SOUTH ON THE BEACH TO THE PROJECT AREA.

GRAPHIC SCALE IN FEET

CERTIFICATION:
 I CERTIFY THAT THESE PLANS ARE IN COMPLIANCE WITH THE APPLICABLE SECTIONS OF 62B-41, F.A.C.

 THOMAS P PIERRO P.E. NO. 64683

 DATE

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Reference Files: 644663.dwg	Designed by: TP	Checked by: AMB	Submitted by: MR
Drawn by: JRC	Reviewed by: TP		
Date: 1/26/10			
Plot Scale: AS NOTED			
			Comm. No.: 644663

ANNA MARIA ISLAND
 BEACH NOURISHMENT PROJECT
 MANATEE COUNTY, FLORIDA

PIPE LINE CORRIDOR
 DETAIL

DRAWING NO.
 BA-4

SHEET 13 OF 13