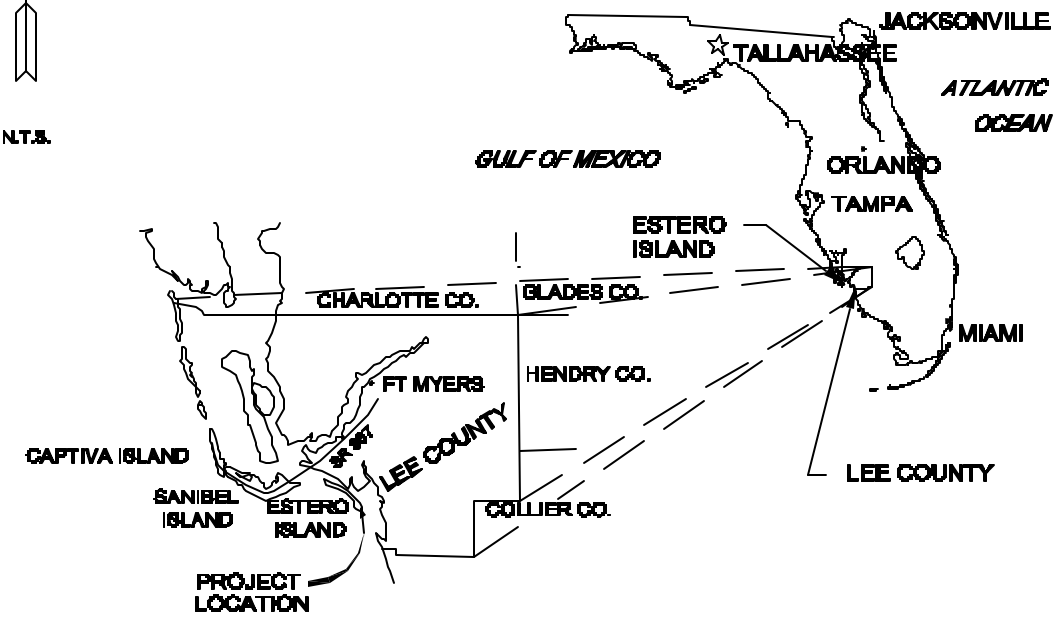
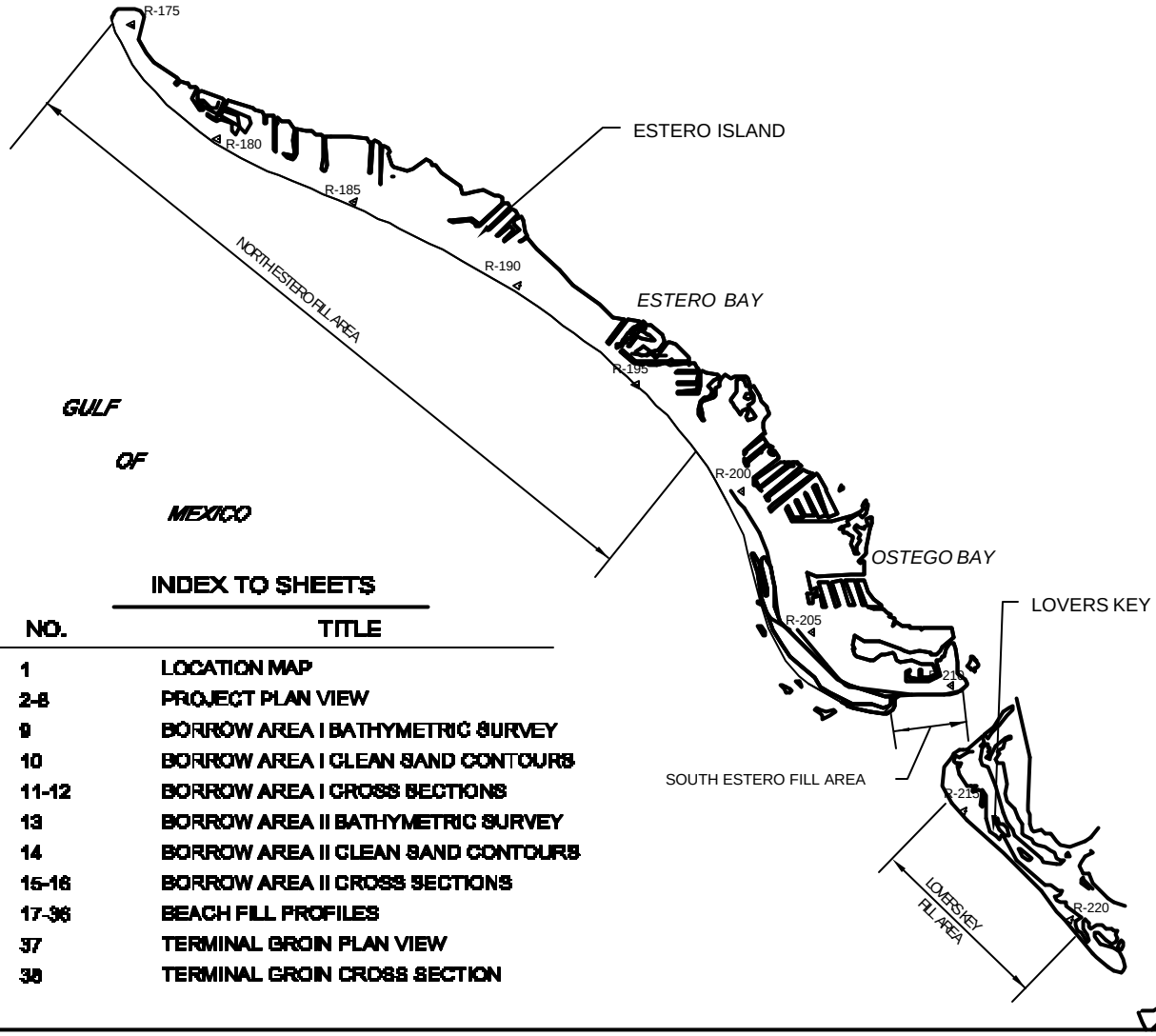
ESTERO ISLAND
BEACH RESTORATION

LEE COUNTY, FLORIDA

N

N.T.S.





INDEX TO SHEETS

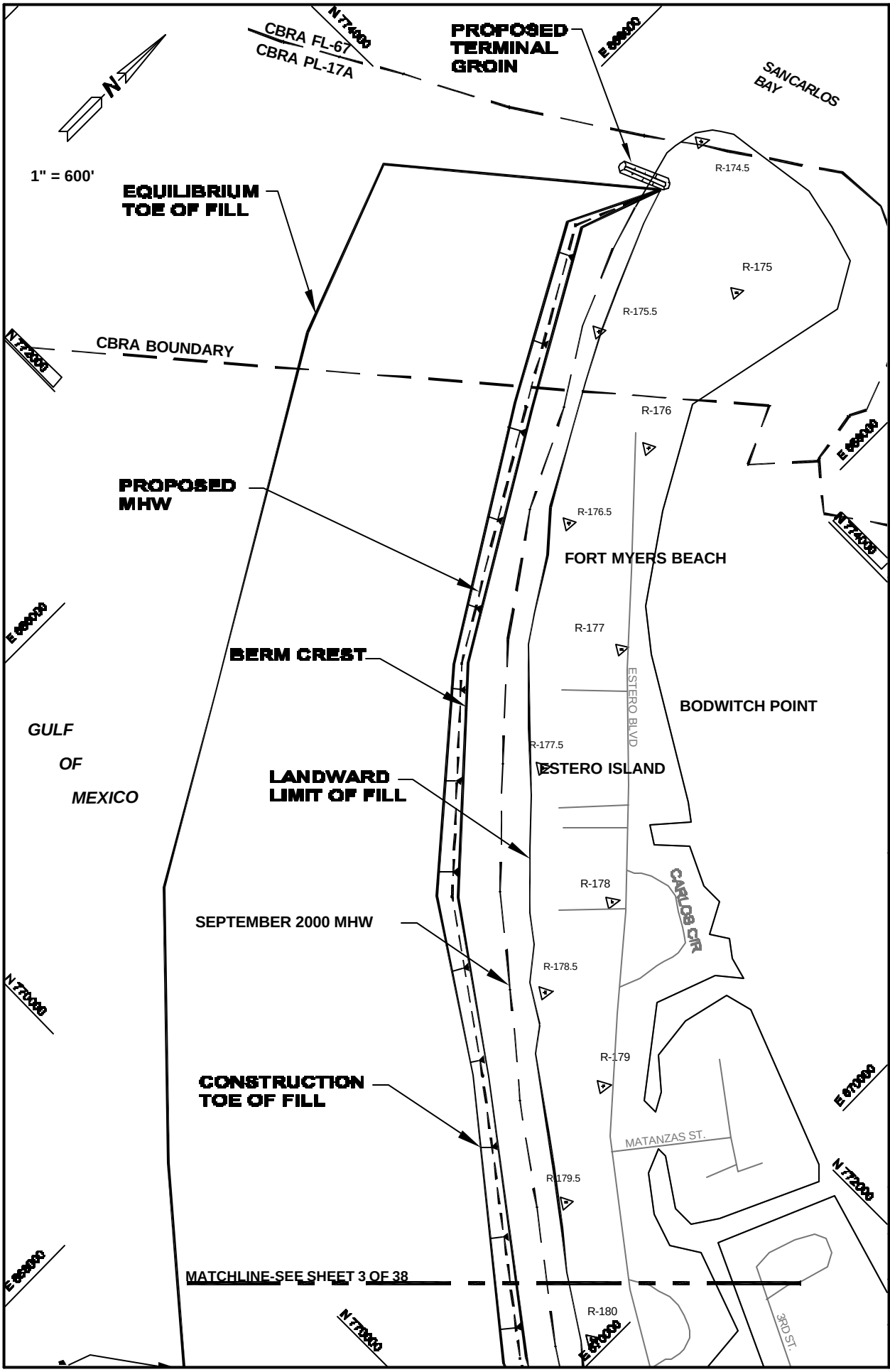
NO.	TITLE
1	LOCATION MAP
2-8	PROJECT PLAN VIEW
9	BORROW AREA I BATHYMETRIC SURVEY
10	BORROW AREA I CLEAN SAND CONTOURS
11-12	BORROW AREA I CROSS SECTIONS
13	BORROW AREA II BATHYMETRIC SURVEY
14	BORROW AREA II CLEAN SAND CONTOURS
15-16	BORROW AREA II CROSS SECTIONS
17-36	BEACH FILL PROFILES
37	TERMINAL GROIN PLAN VIEW
38	TERMINAL GROIN CROSS SECTION

TITLE:
ESTERO ISLAND
PROJECT LOCATION MAP
LEE COUNTY, FLORIDA

2461 N.W. BOCA RATON BLVD.
BOCA RATON, FL 33431

COASTAL PLANNING & ENGINEERING, INC.

DATE: 7/21/00
BY: JRC
COMM. NO. 6410.02
SHEET: 1 OF 38



TITLE: ESTERO ISLAND BEACH RESTORATION
PLAN VIEW
LEE COUNTY, FLORIDA

2431 N.W. BOCA RATON BLVD.
BOCA RATON, FL. 33431

COASTAL PLANNING & ENGINEERING, INC.

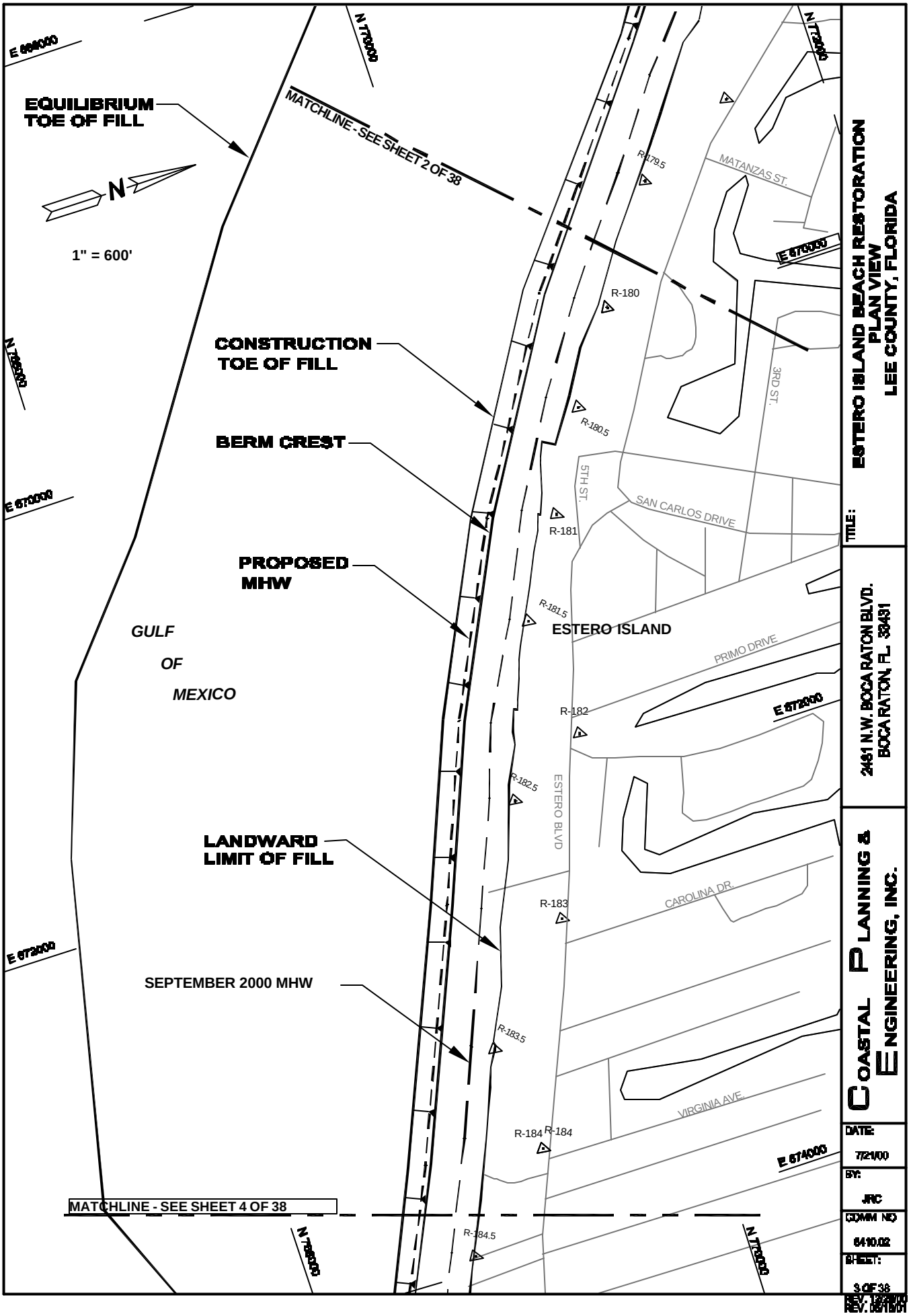
DATE: 7/21/00

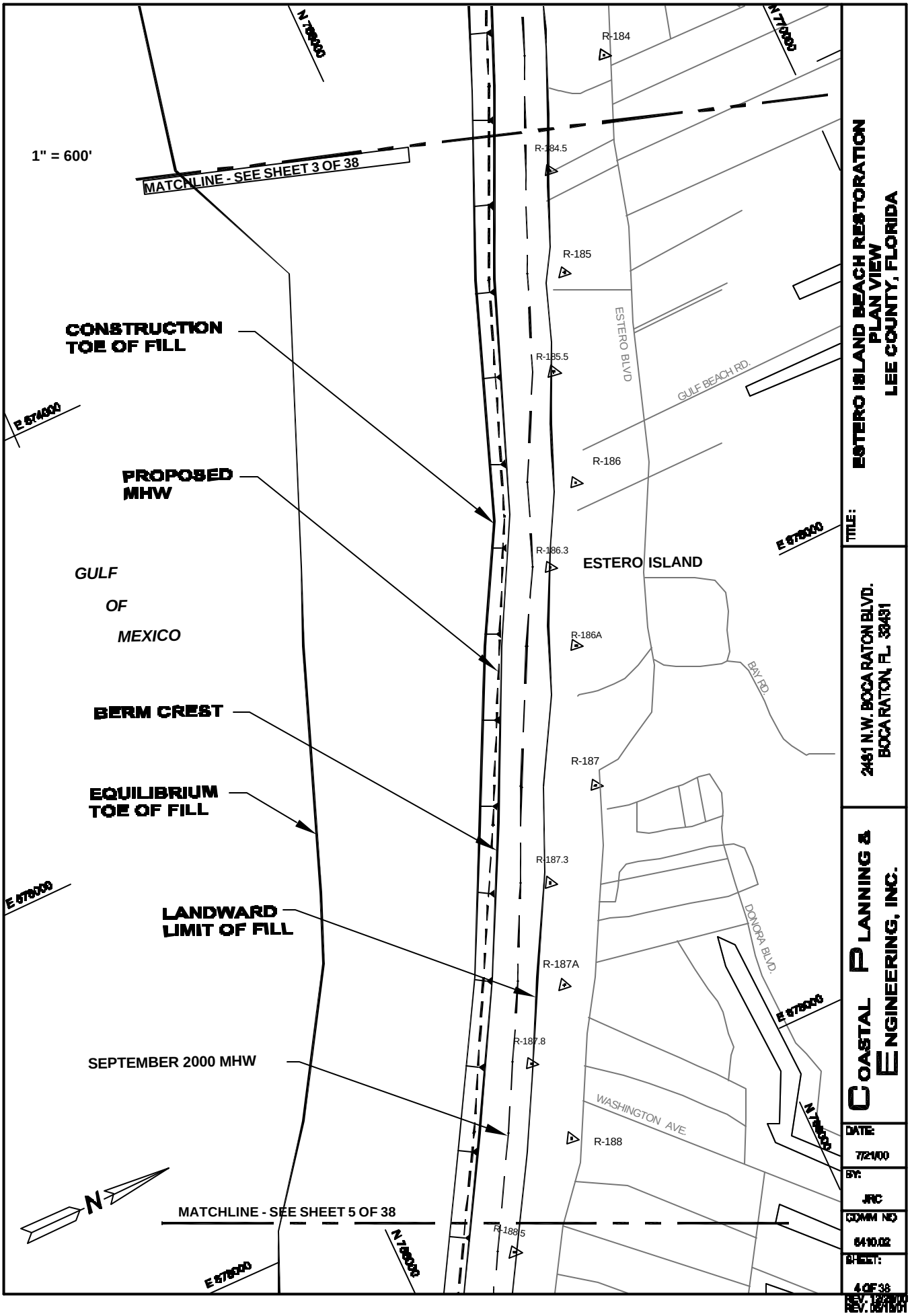
BY: JRC

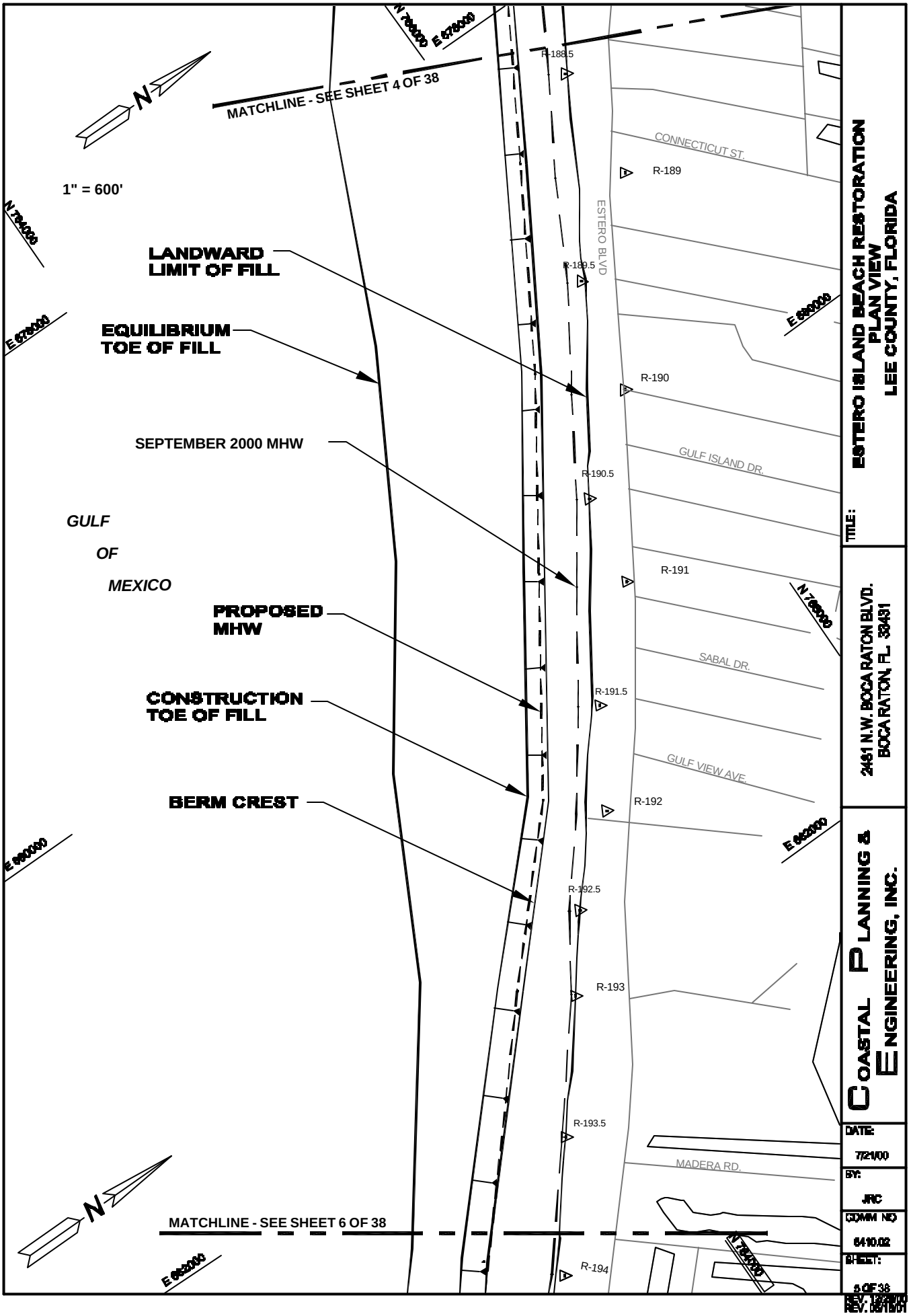
COMM NO: 6410.02

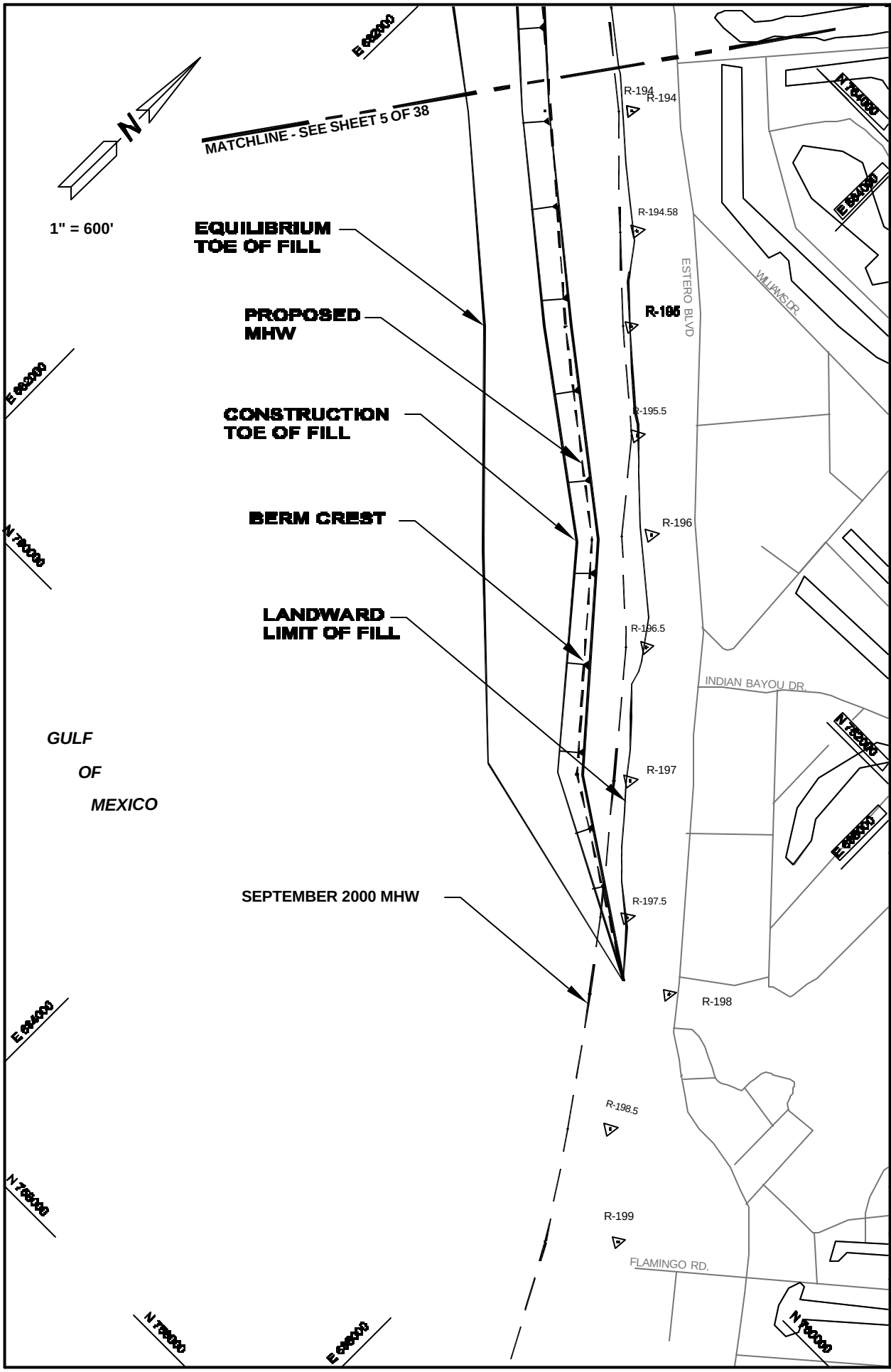
SHEET: 2 OF 38

REV. 12/8/00
REV. 05/18/01


EQUILIBRIUM TOE OF FILL
N
1" = 600'
MATCHLINE - SEE SHEET 2 OF 38
CONSTRUCTION TOE OF FILL
BERM CREST
PROPOSED MHW
GULF OF MEXICO
LANDWARD LIMIT OF FILL
SEPTEMBER 2000 MHW
MATCHLINE - SEE SHEET 4 OF 38
E 664000
E 670000
E 672000
E 674000
N 770000
N 768000
R-179.5
R-180
R-180.5
R-181
R-181.5
R-182
R-182.5
R-183
R-183.5
R-184
R-184.5
ESTERO ISLAND
MATANZAS ST.
3RD ST.
5TH ST.
SAN CARLOS DRIVE
PRIMO DRIVE
ESTERO BLVD
CAROLINA DR.
VIRGINIA AVE.
TITLE:
ESTERO ISLAND BEACH RESTORATION
PLAN VIEW
LEE COUNTY, FLORIDA
2431 N.W. BOCA RATON BLVD.
BOCA RATON, FL. 33431
COASTAL PLANNING & ENGINEERING, INC.
DATE:
7/21/00
BY:
JRC
COMM NO
6410.02
SHEET:
3 OF 38
REV. 12/8/00
REV. 02/19/01


1" = 600'
MATCHLINE - SEE SHEET 3 OF 38
CONSTRUCTION TOE OF FILL
PROPOSED MHW
GULF OF MEXICO
BERM CREST
EQUILIBRIUM TOE OF FILL
LANDWARD LIMIT OF FILL
SEPTEMBER 2000 MHW
MATCHLINE - SEE SHEET 5 OF 38
N
N 768000
N 770000
E 574000
E 576000
E 578000
R-184
R-184.5
R-185
R-185.5
R-186
R-186.3
R-186A
R-187
R-187.3
R-187A
R-187.8
R-188
R-188.5
ESTERO BLVD
GULF BEACH RD.
ESTERO ISLAND
BAY RD.
DONORA BLVD.
WASHINGTON AVE.
TITLE:
ESTERO ISLAND BEACH RESTORATION
PLAN VIEW
LEE COUNTY, FLORIDA
2431 N.W. BOCA RATON BLVD.
BOCA RATON, FL 33431
COASTAL PLANNING & ENGINEERING, INC.
DATE:
7/21/00
BY:
JRC
COMM NO
6410.02
SHEET:
4 OF 38
REV. 12/8/00
REV. 02/19/01


MATCHLINE - SEE SHEET 4 OF 38
1" = 600'
LANDWARD LIMIT OF FILL
EQUILIBRIUM TOE OF FILL
SEPTEMBER 2000 MHW
GULF OF MEXICO
PROPOSED MHW
CONSTRUCTION TOE OF FILL
BERM CREST
MATCHLINE - SEE SHEET 6 OF 38
CONNECTICUT ST.
ESTERO BLVD
GULF ISLAND DR.
SABAL DR.
GULF VIEW AVE.
MADERA RD.
R-188.5
R-189
R-189.5
R-190
R-190.5
R-191
R-191.5
R-192
R-192.5
R-193
R-193.5
R-194
N 784000
E 678000
E 640000
E 660000
E 680000
TITLE:
ESTERO ISLAND BEACH RESTORATION
PLAN VIEW
LEE COUNTY, FLORIDA
2431 N.W. BOCA RATON BLVD.
BOCA RATON, FL 33431
COASTAL PLANNING & ENGINEERING, INC.
DATE:
7/21/00
BY:
JRC
COMM NO
6410.02
SHEET:
5 OF 38
REV. 10/6/00
REV. 02/19/01

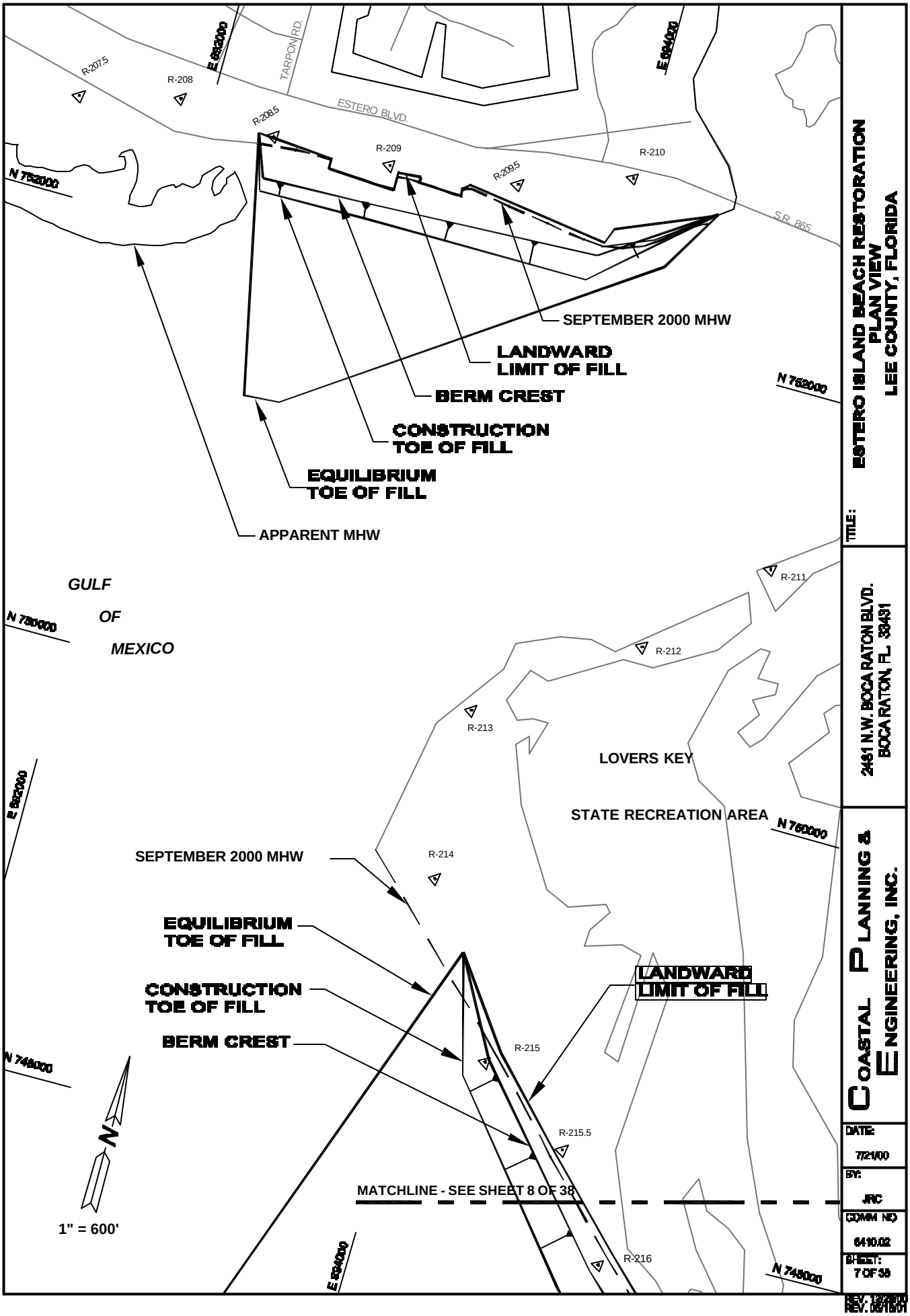


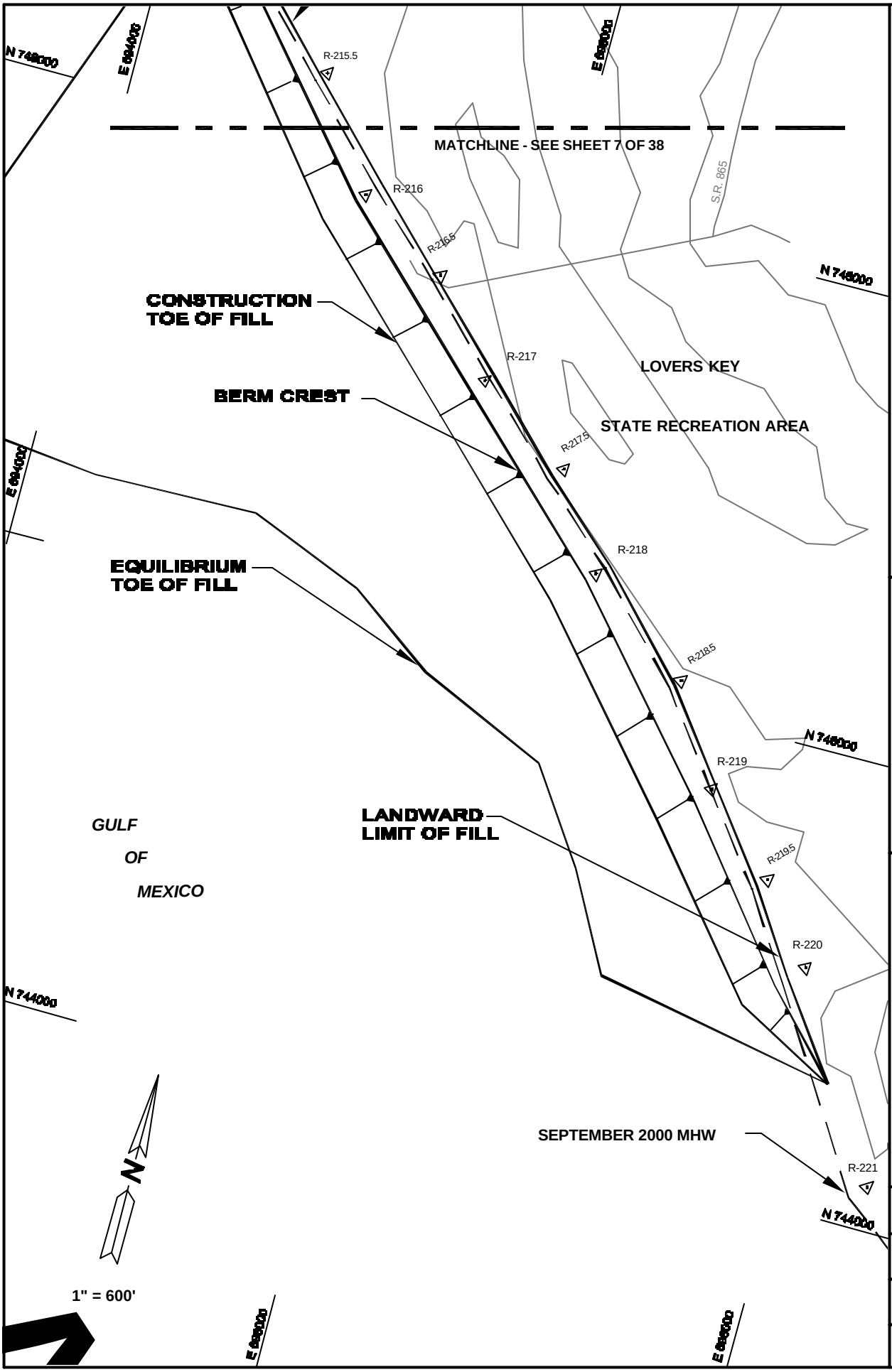
TITLE:
ESTERO ISLAND BEACH RESTORATION
PLAN VIEW
LEE COUNTY, FLORIDA

2431 N.W. BOCA RATON BLVD.
BOCA RATON, FL 33431

COASTAL PLANNING & ENGINEERING, INC.

DATE: 7/21/00
BY: JRC
COMM NO: 6410.02
SHEET: 6 OF 38
REV. 12/8/00
REV. 02/19/01


R-207.5
R-208
E 693000
TARPON RD.
E 694000
ESTERO BLVD.
R-208.5
R-209
R-209.5
R-210
N 752000
S.R. 865
SEPTEMBER 2000 MHW
LANDWARD LIMIT OF FILL
BERM CREST
CONSTRUCTION TOE OF FILL
EQUILIBRIUM TOE OF FILL
APPARENT MHW
N 752000
GULF OF MEXICO
N 750000
R-211
R-212
R-213
LOVERS KEY
STATE RECREATION AREA
N 760000
E 692000
SEPTEMBER 2000 MHW
R-214
EQUILIBRIUM TOE OF FILL
CONSTRUCTION TOE OF FILL
BERM CREST
LANDWARD LIMIT OF FILL
R-215
N 748000
R-215.5
N
1" = 600'
MATCHLINE - SEE SHEET 8 OF 38
R-216
E 694000
N 748000
TITLE:
ESTERO ISLAND BEACH RESTORATION
PLAN VIEW
LEE COUNTY, FLORIDA
2431 N.W. BOCA RATON BLVD.
BOCA RATON, FL 33431
COASTAL PLANNING & ENGINEERING, INC.
DATE:
7/21/00
BY:
JRC
COMM NO
6410.02
SHEET:
7 OF 39
REV. 12/8/00
REV. 02/19/01

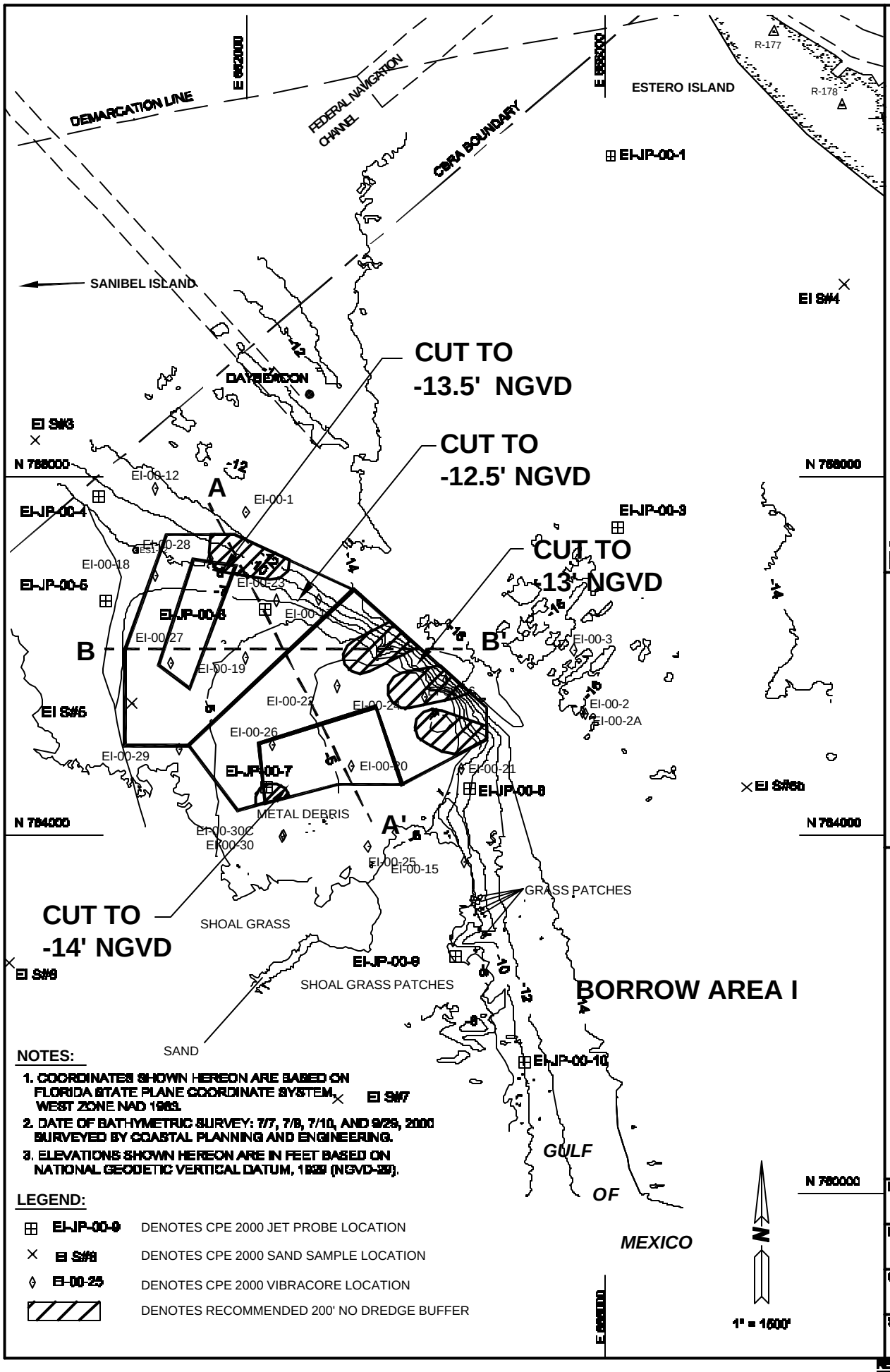


TITLE:
ESTERO ISLAND BEACH RESTORATION
PLAN VIEW
LEE COUNTY, FLORIDA

2431 N.W. BOCA RATON BLVD.
BOCA RATON, FL. 33431

COASTAL PLANNING & ENGINEERING, INC.

DATE: 7/21/00
BY: JRC
COMM NO: 6410.02
SHEET: 6 OF 38
REV. 12/8/00
REV. 05/18/01



NOTES:

1. COORDINATES SHOWN HEREON ARE BASED ON FLORIDA STATE PLANE COORDINATE SYSTEM, WEST ZONE NAD 1983.
2. DATE OF BATHYMETRIC SURVEY: 7/7, 7/8, 7/10, AND 9/29, 2000 SURVEYED BY COASTAL PLANNING AND ENGINEERING.
3. ELEVATIONS SHOWN HEREON ARE IN FEET BASED ON NATIONAL GEODETIC VERTICAL DATUM, 1929 (NGVD-29).

LEGEND:

⊞ EI-JP-00-9	DENOTES CPE 2000 JET PROBE LOCATION
× EI S#6	DENOTES CPE 2000 SAND SAMPLE LOCATION
◊ EI-00-25	DENOTES CPE 2000 VIBRACORE LOCATION
▨	DENOTES RECOMMENDED 200' NO DREDGE BUFFER

ESTERO ISLAND
BORROW AREA I BATHYMETRY
LEE COUNTY, FLORIDA

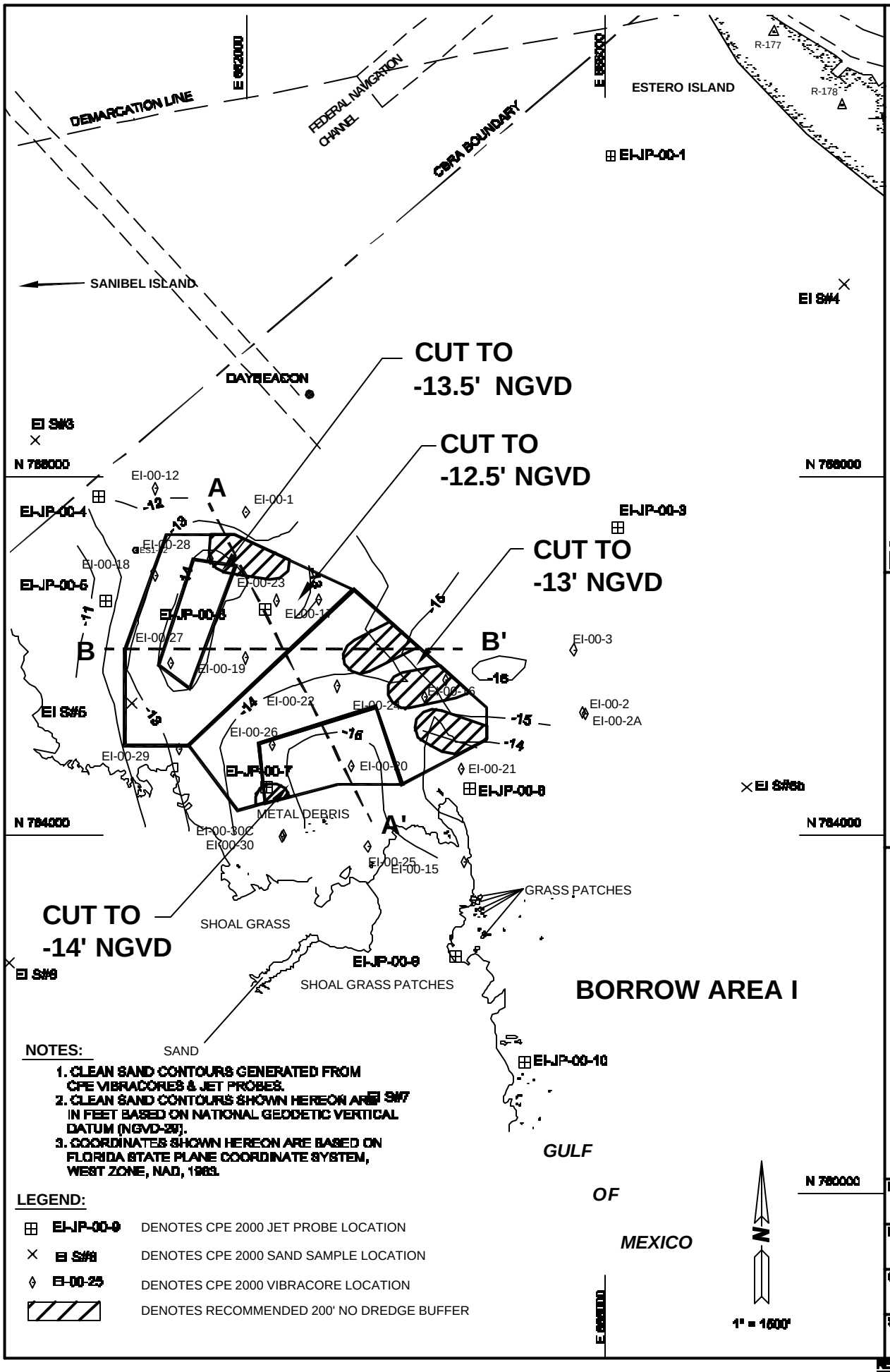
TITLE:

2481 N.W. BOCA RATON BLVD.
BOCA RATON, FL 33431

COASTAL PLANNING & ENGINEERING, INC.

DATE: 7/21/00
BY: JRC
COMM. NO. 9410.02
SHEET: 9 of 39

REV. 12/27/00
REV. 9/18/01



NOTES:

1. CLEAN SAND CONTOURS GENERATED FROM CPE VIBRACORES & JET PROBES.
2. CLEAN SAND CONTOURS SHOWN HEREON ARE IN FEET BASED ON NATIONAL GEODETIC VERTICAL DATUM (NGVD-29).
3. COORDINATES SHOWN HEREON ARE BASED ON FLORIDA STATE PLANE COORDINATE SYSTEM, WEST ZONE, NAD, 1983.

LEGEND:

EI-JP-00-9	DENOTES CPE 2000 JET PROBE LOCATION
EI S#6	DENOTES CPE 2000 SAND SAMPLE LOCATION
EI-00-25	DENOTES CPE 2000 VIBRACORE LOCATION
	DENOTES RECOMMENDED 200' NO DREDGE BUFFER

ESTERO ISLAND
BORROW AREA I CLEAN SAND CONTOURS
LEE COUNTY, FLORIDA

TITLE:

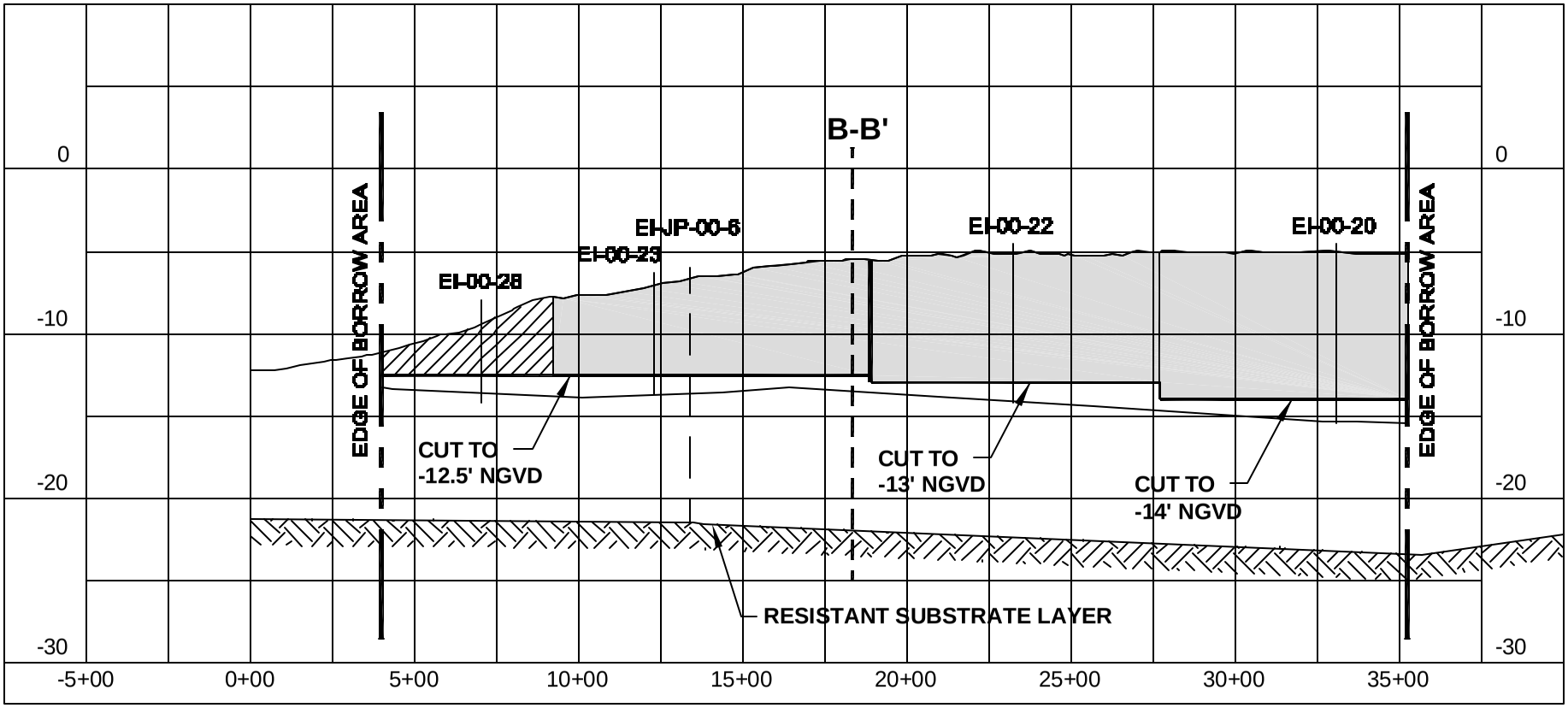
2481 N.W. BOCA RATON BLVD.
BOCA RATON, FL 33431

COASTAL PLANNING & ENGINEERING, INC.

DATE: 7/21/99
BY: JRC
COMM. NO. 9410.02
SHEET: 10 OF 39

REV. 12/27/99
REV. 5/18/01

BORROW AREA I A-A'



NOTES:

1. PROBES MAY NOT FALL DIRECTLY ON CROSS SECTION LINE, BUT ARE LOCATED SUFFICIENTLY CLOSE TO REPRESENT SIMILAR MATERIAL.
2. WIDTH OF LAYERS IS REPRESENTATIVE ONLY. ACTUAL MATERIAL MAY VARY.
3. SEE PAGE 9 & 10 OF 36 FOR LOCATION OF CROSS SECTION LINE.

LEGEND:

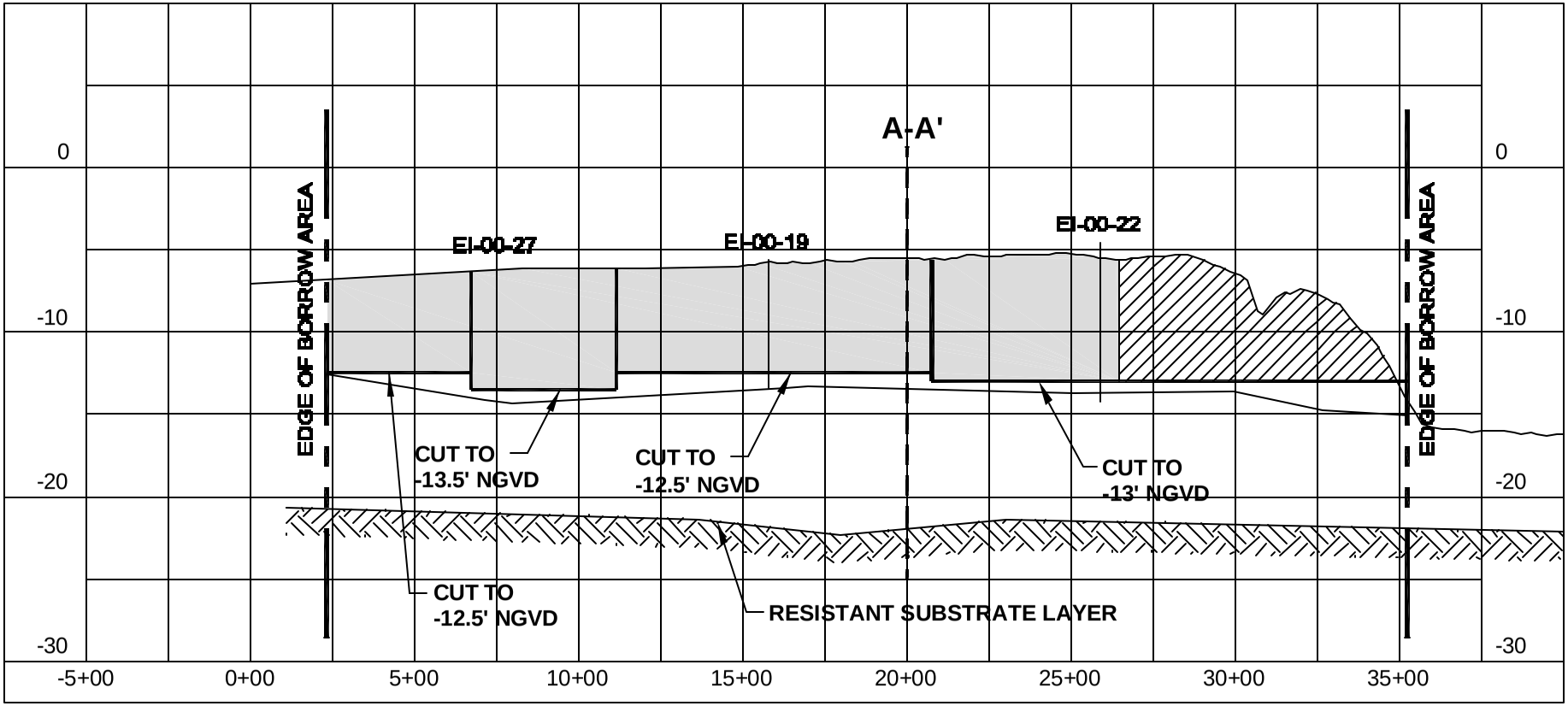
DENOTES RECOMMENDED 200' NO DREDGE BUFFER

SCALE: 1" = 500' HOR.
1" = 10' VERT.

SHEET: 11 OF 36	DWG. NO. 1-14	DRAWN BY: JRC	CHK'D BY: JRC	DATE: 7/24/08	COASTAL PLANNING & ENGINEERING, INC.	2481 N.W. BOCA RATON BLVD. BOCA RATON, FL. 33431	TITLE: ESTERO ISLAND BORROW AREA I CROSS SECTION A-A'

REV. 12/22/08
REV. 2/24/09

BORROW AREA I B-B'



NOTES:

1. PROBES MAY NOT FALL DIRECTLY ON CROSS SECTION LINE, BUT ARE LOCATED SUFFICIENTLY CLOSE TO REPRESENT SIMILAR MATERIAL.
2. WIDTH OF LAYERS IS REPRESENTATIVE ONLY. ACTUAL MATERIAL MAY VARY.
3. SEE PAGE 9 & 10 OF 38 FOR LOCATION OF CROSS SECTION LINE.

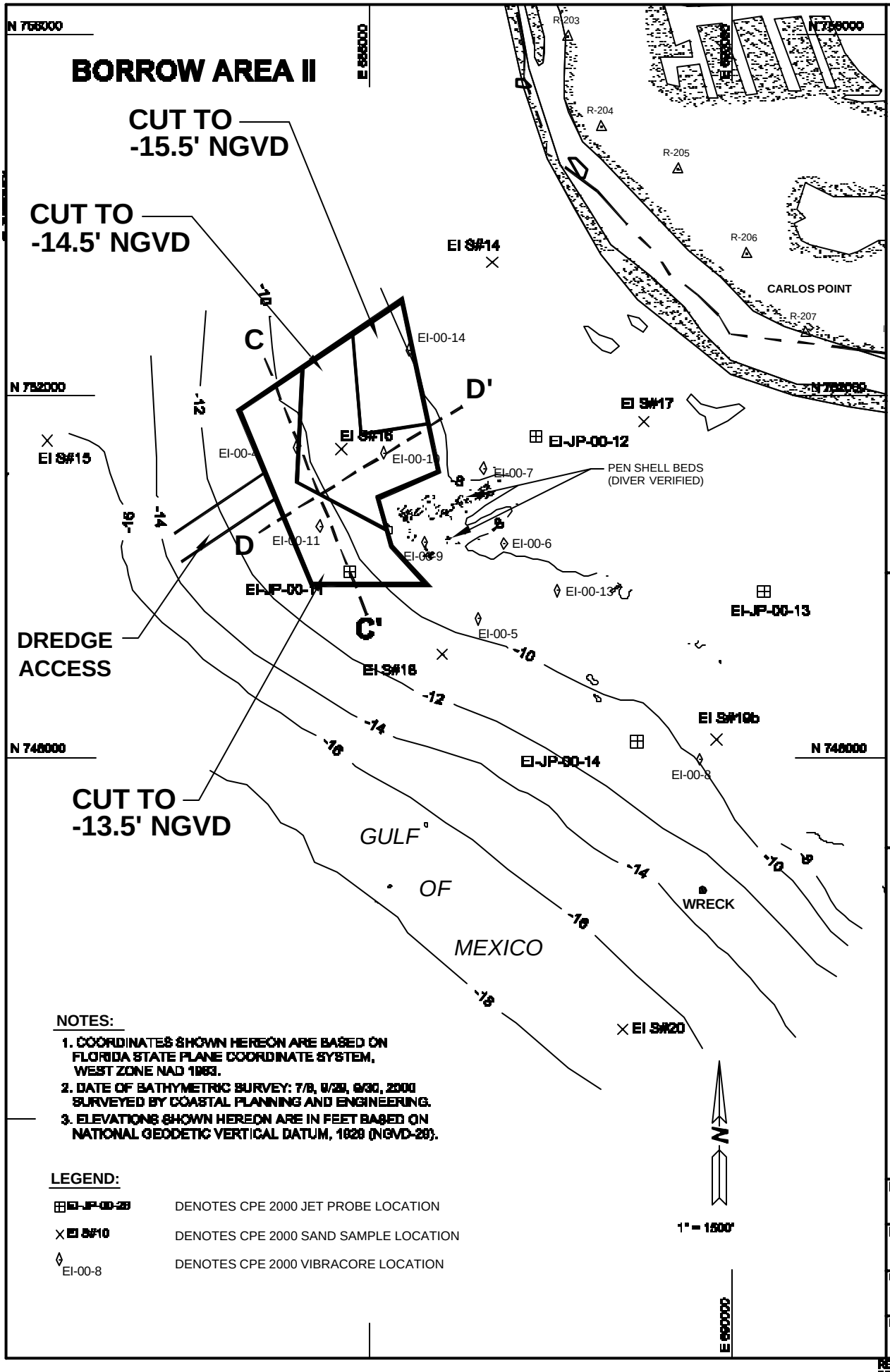
LEGEND:

DENOTES RECOMMENDED 200' NO DREDGE BUFFER

SCALE: 1" = 500' HOR.
1" = 10' VERT.

REV. 1/18/2012 REV. 1/27/2011	SHEET: 12 OF 38	DWG. NO. 0410.02	DRN: JRC	CHK: JRC	DATE: 7/24/00	COASTAL PLANNING & ENGINEERING, INC.	2481 N.W. BOCA RATON BLVD. BOCA RATON, FL. 33431

TITLE: ESTERO ISLAND BORROW AREA I CROSS SECTION B-B'



NOTES:

1. COORDINATES SHOWN HEREON ARE BASED ON FLORIDA STATE PLANE COORDINATE SYSTEM, WEST ZONE NAD 1983.
2. DATE OF BATHYMETRIC SURVEY: 7/8, 9/29, 9/30, 2000 SURVEYED BY COASTAL PLANNING AND ENGINEERING.
3. ELEVATIONS SHOWN HEREON ARE IN FEET BASED ON NATIONAL GEODETIC VERTICAL DATUM, 1929 (NGVD-29).

LEGEND:

⊞ EI-JP-00-29	DENOTES CPE 2000 JET PROBE LOCATION
× EI S/#10	DENOTES CPE 2000 SAND SAMPLE LOCATION
◊ EI-00-8	DENOTES CPE 2000 VIBRACORE LOCATION

ESTERO ISLAND
BORROW AREA II BATHYMETRY
LEE COUNTY, FLORIDA

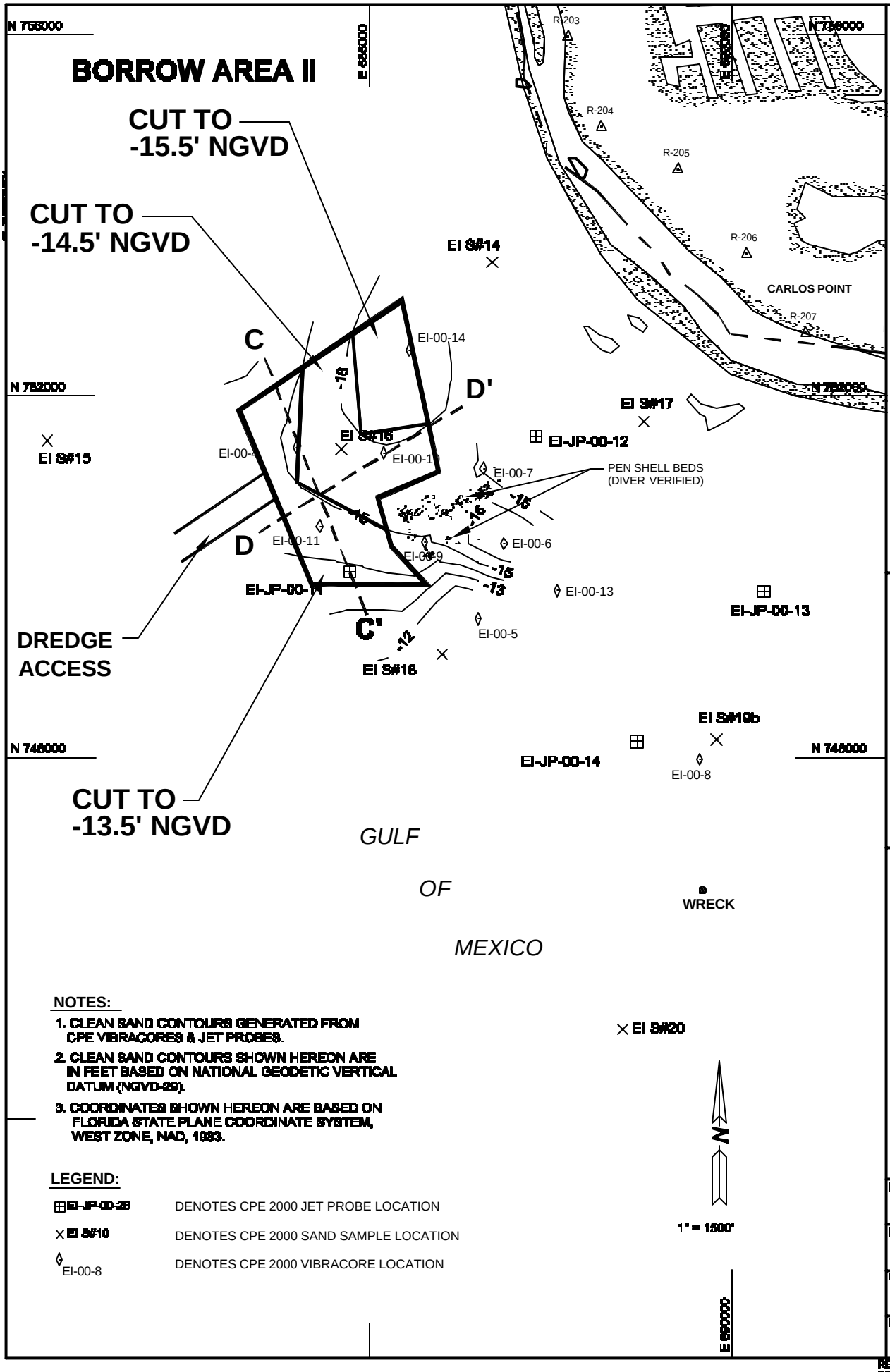
TITLE

2481 N.W. BOCA RATON BLVD.
BOCA RATON, FL 33431

COASTAL PLANNING & ENGINEERING, INC.

DATE: 7/13/00
BY: JRC
COMM. NO. 5410.02
SHEET: 13 OF 30

REV. 12/22/00
REV. 5/10/01



NOTES:

1. CLEAN SAND CONTOURS GENERATED FROM CPE VIBRACORES & JET PROBES.
2. CLEAN SAND CONTOURS SHOWN HEREON ARE IN FEET BASED ON NATIONAL GEODETIC VERTICAL DATUM (NGVD-29).
3. COORDINATES SHOWN HEREON ARE BASED ON FLORIDA STATE PLANE COORDINATE SYSTEM, WEST ZONE, NAD, 1983.

LEGEND:

EI-JP-00-28	DENOTES CPE 2000 JET PROBE LOCATION
EI S#10	DENOTES CPE 2000 SAND SAMPLE LOCATION
EI-00-8	DENOTES CPE 2000 VIBRACORE LOCATION

TITLE:

ESTERO ISLAND
BORROW AREA II CLEAN SAND CONTOURS
LEE COUNTY, FLORIDA

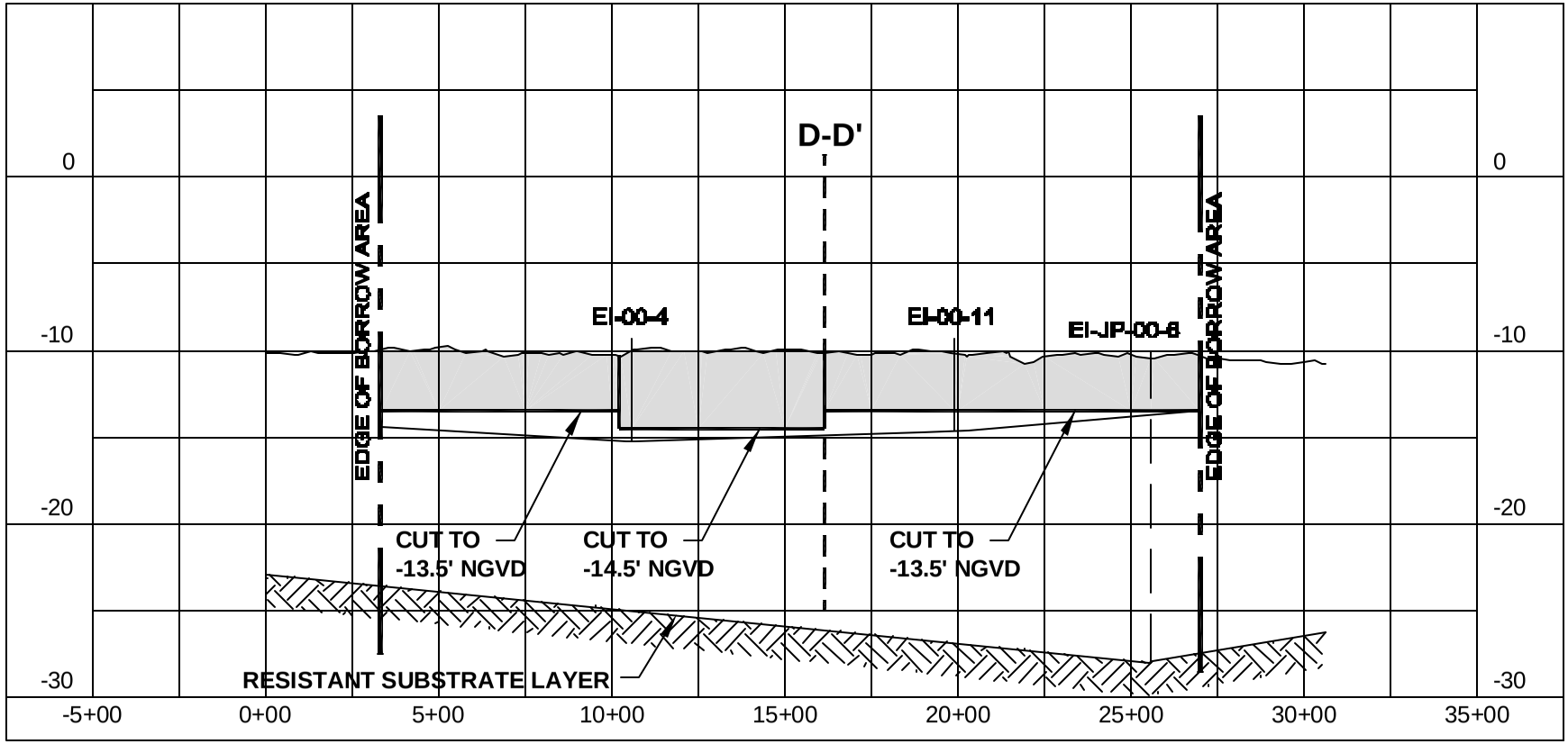
2481 N.W. BOCA RATON BLVD.
BOCA RATON, FL 33431

COASTAL PLANNING & ENGINEERING, INC.

DATE: 7/13/00
BY: JRC
COMM. NO. 5410.02
SHEET: 1B OF 3B

REV. 12/22/00
REV. 5/10/01

BORROW AREA II C-C'



NOTES:

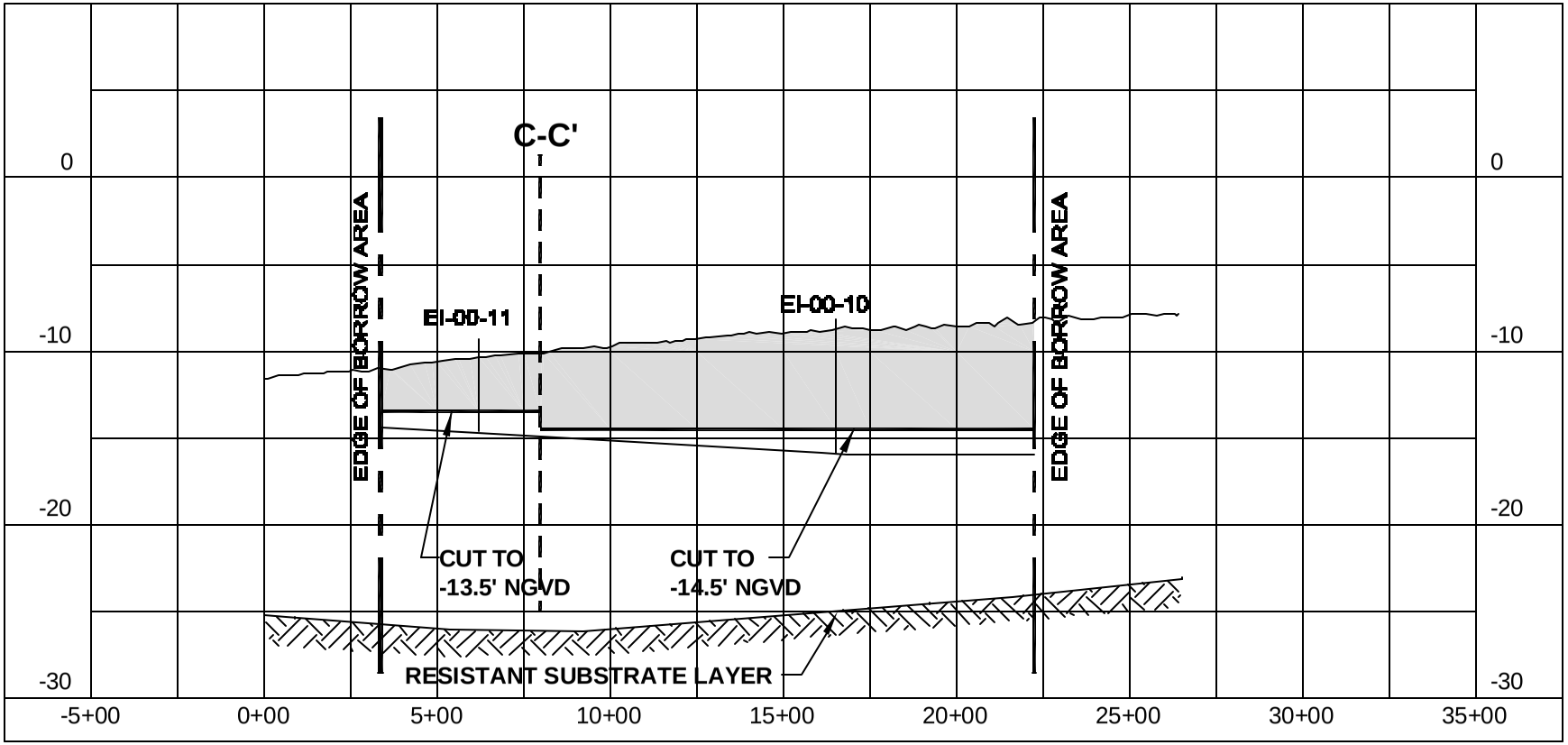
1. PROBES MAY NOT FALL DIRECTLY ON CROSS SECTION LINE, BUT ARE LOCATED SUFFICIENTLY CLOSE TO REPRESENT SIMILAR MATERIAL.
2. WIDTH OF LAYERS IS REPRESENTATIVE ONLY. ACTUAL MATERIAL MAY VARY.
3. SEE PAGE 13 & 14 OF 38 FOR LOCATION OF CROSS SECTION LINE.

SCALE: 1" = 500' HOR.
1" = 10' VERT.

SHEET: 18 OF 38	DWG. NO. 1A10-02	DRN: JRC	CHK: JRC	DATE: 7/24/08	COASTAL PLANNING & ENGINEERING, INC.	2481 N.W. BOCA RATON BLVD. BOCA RATON, FL. 33431	TITLE: ESTERO ISLAND BORROW AREA II CROSS SECTION C-C'

REV. 12/22/08
REV. 2/24/09

BORROW AREA II D-D'



NOTES:

1. PROBES MAY NOT FALL DIRECTLY ON CROSS SECTION LINE, BUT ARE LOCATED SUFFICIENTLY CLOSE TO REPRESENT SIMILAR MATERIAL.
2. WIDTH OF LAYERS IS REPRESENTATIVE ONLY. ACTUAL MATERIAL MAY VARY.
3. SEE PAGE 13 & 14 OF 38 FOR LOCATION OF CROSS SECTION LINE.

SCALE: 1" = 500' HOR.
1" = 10' VERT.

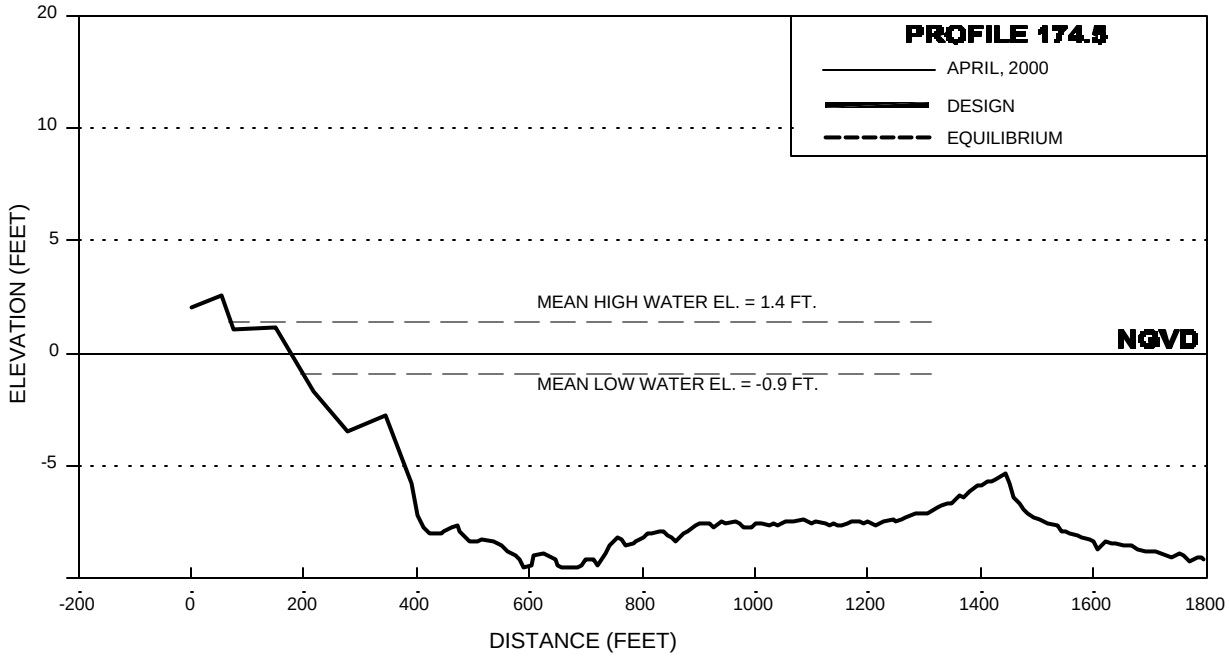
REV. 12/22/08 REV. 12/01/11	SHEET: 11 OF 38	9/10/02	DRAWING NO.	JRC	JRC	7/24/00	DATE

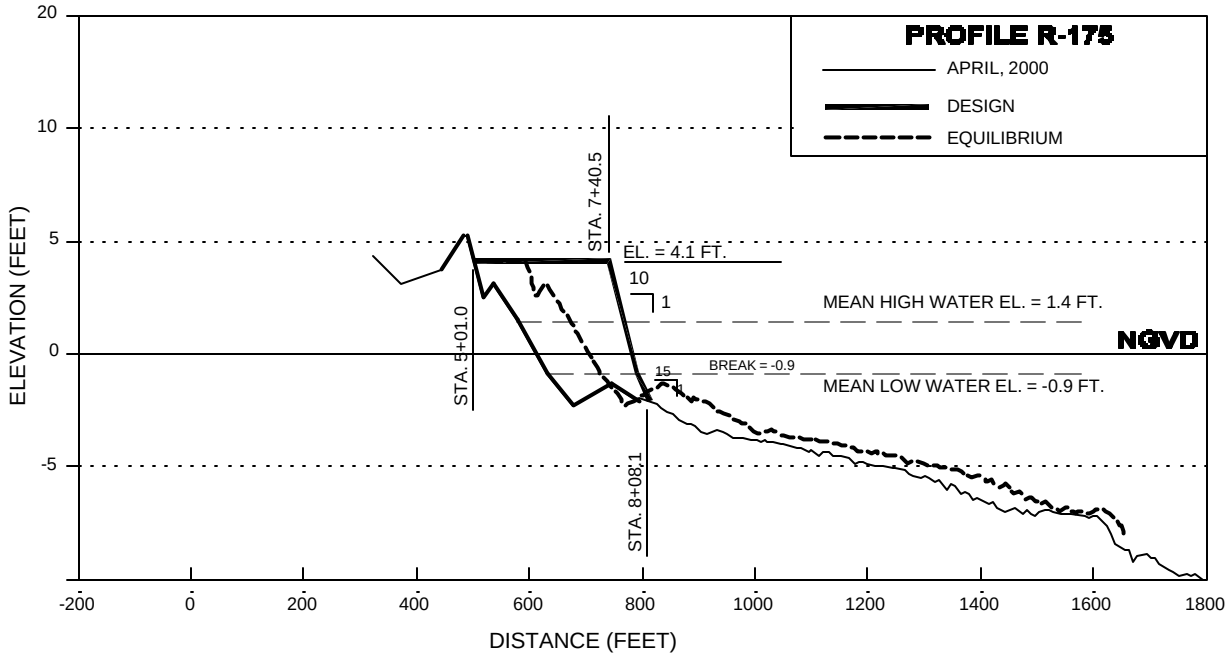
COASTAL PLANNING & ENGINEERING, INC.

2481 N.W. BOCA RATON BLVD.
BOCA RATON, FL. 33431

TITLE:

ESTERO ISLAND
BORROW AREA II
CROSS SECTION D-D'





TITLE:

ESTERO ISLAND
CROSS SECTIONS
LEE COUNTY, FLORIDA

2481 N.W. BOCA RATON BLVD.
BOCA RATON, FL. 33431

COASTAL PLANNING & ENGINEERING, INC.

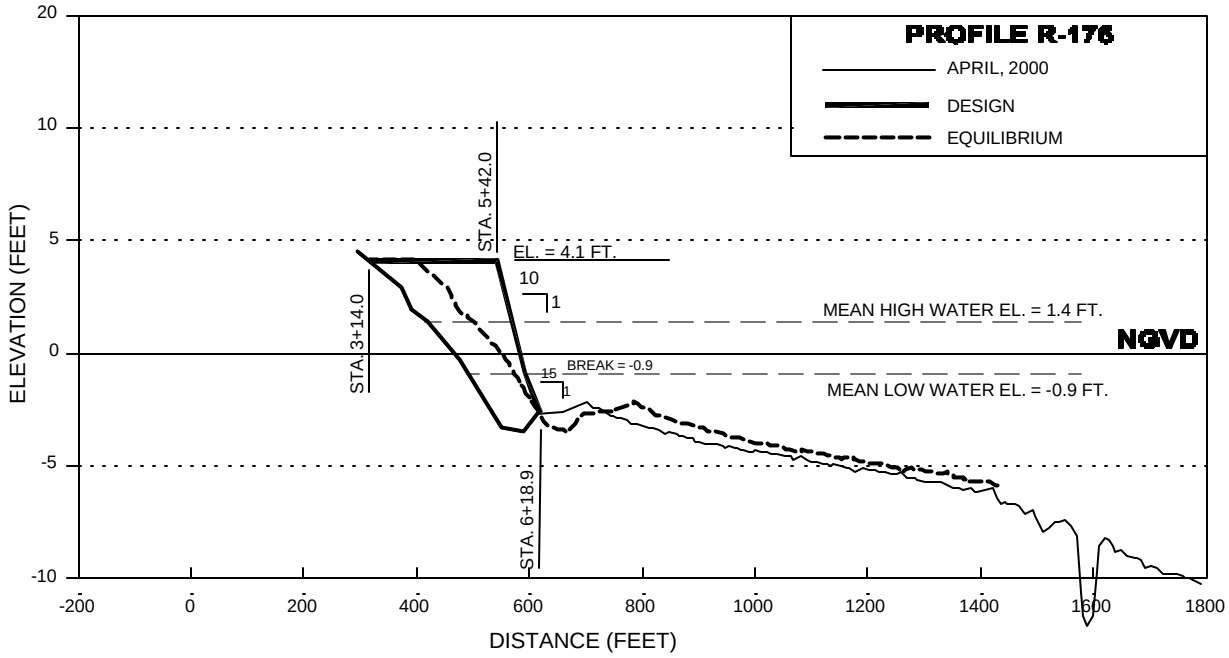
DATE: 7/21/99

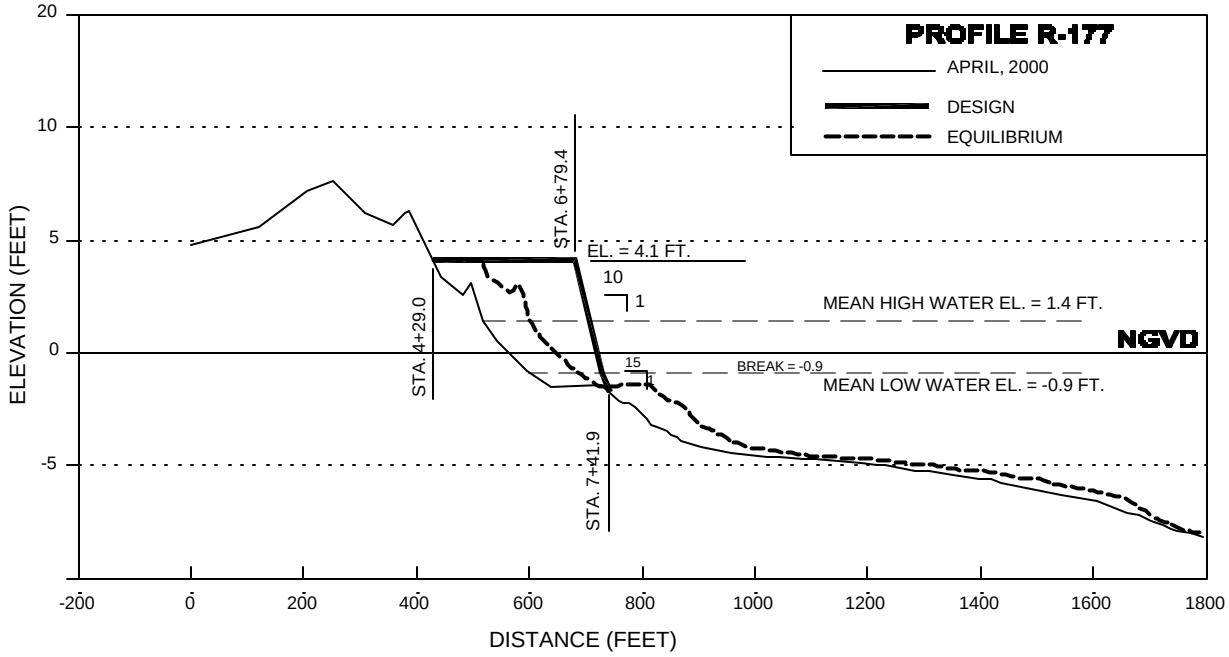
BY: JRC

COMM. NO. 9419.02

SHEET: 17 OF 30

REV. 09/10/01





ESTERO ISLAND
CROSS SECTIONS
LEE COUNTY, FLORIDA

TITLE:

2481 N.W. BOCA RATON BLVD.
BOCA RATON, FL. 33431

COASTAL PLANNING & ENGINEERING, INC.

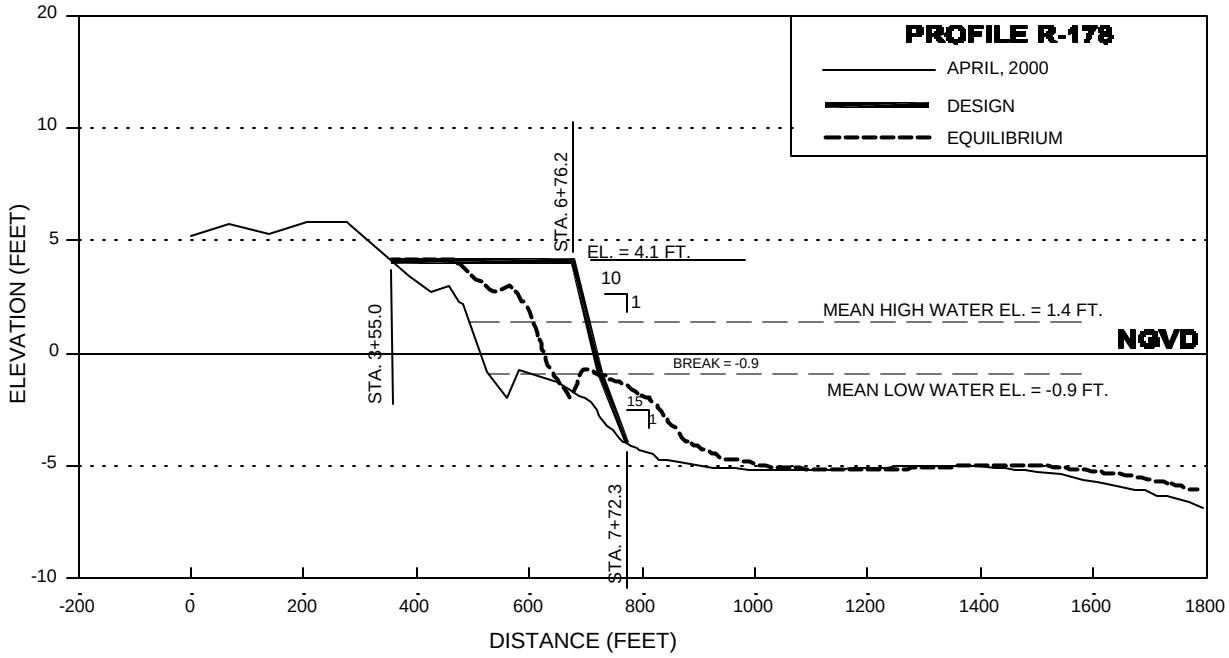
DATE: 7/21/00

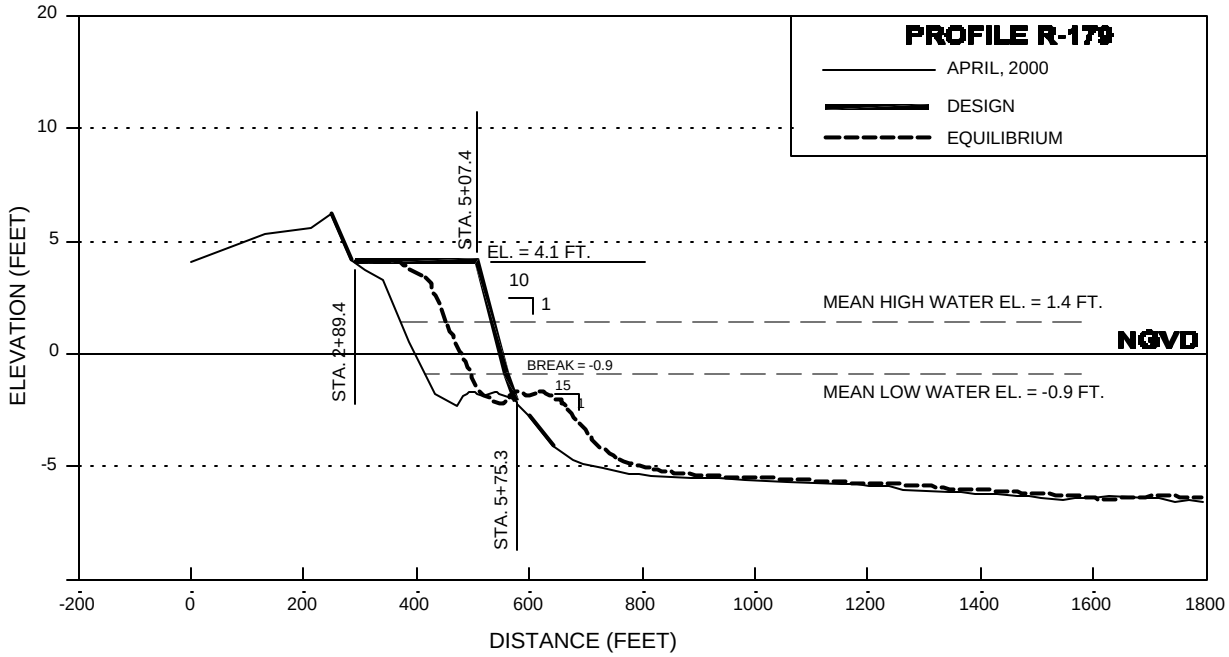
BY: JRC

COMM. NO. 1412.02

SHEET: 18 OF 30

REV. 08/18/01





TITLE:

ESTERO ISLAND
CROSS SECTIONS
LEE COUNTY, FLORIDA

2481 N.W. BOCA RATON BLVD.
BOCA RATON, FL. 33431

COASTAL PLANNING & ENGINEERING, INC.

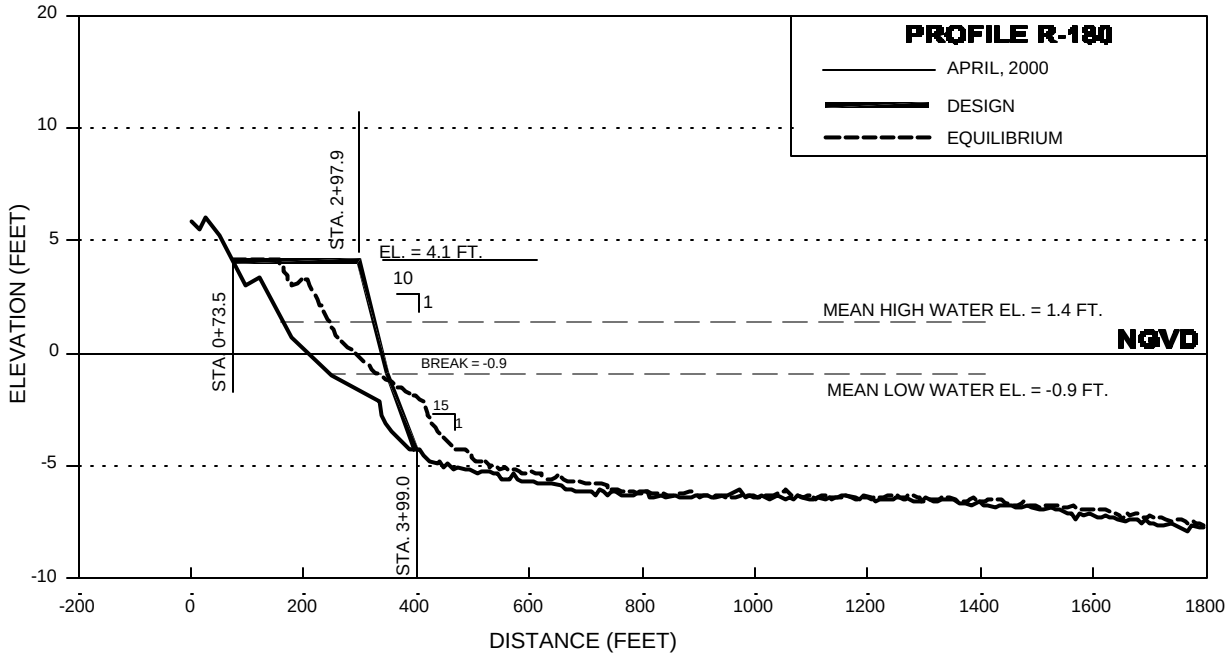
DATE: 7/21/99

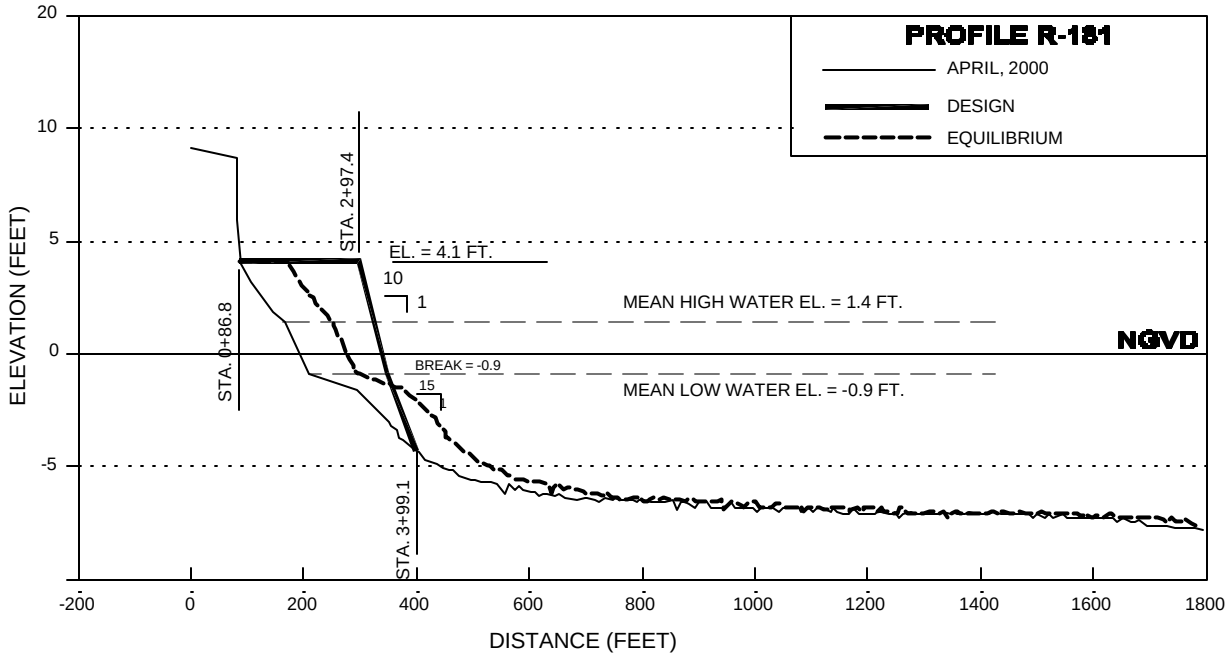
BY: JRC

COMM. NO. 9419.02

SHEET: 19 OF 30

REV. 09/10/01





TITLE:

ESTERO ISLAND
CROSS SECTIONS
LEE COUNTY, FLORIDA

2481 N.W. BOCA RATON BLVD.
BOCA RATON, FL. 33431

COASTAL PLANNING & ENGINEERING, INC.

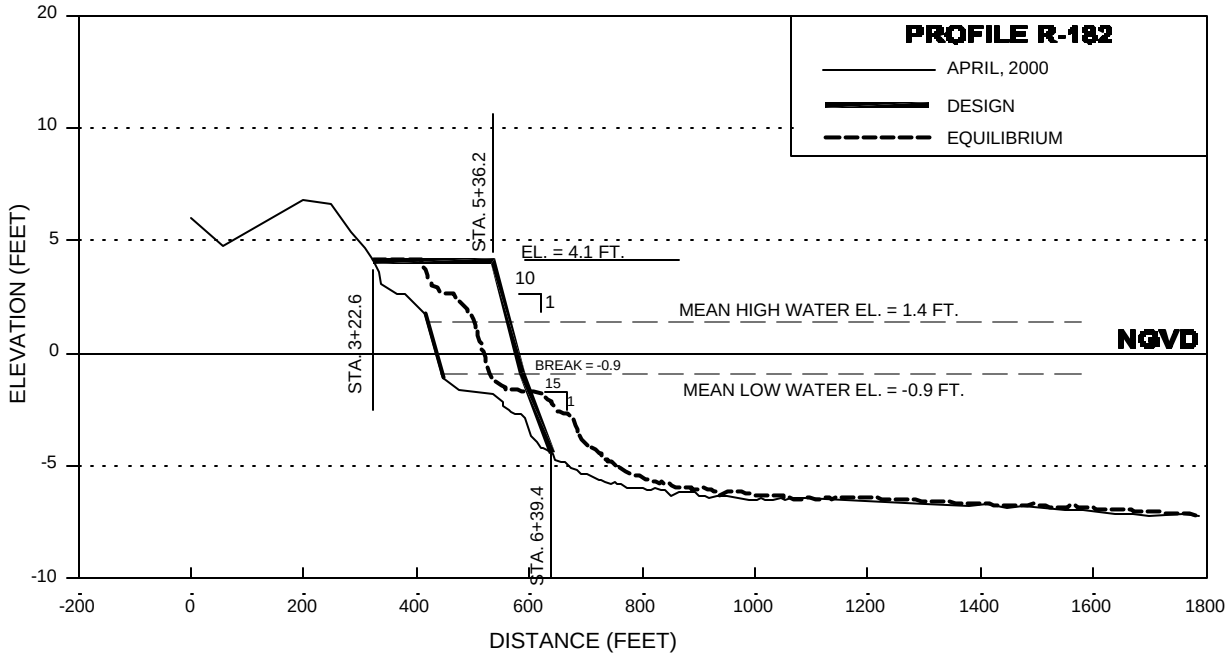
DATE: 7/21/99

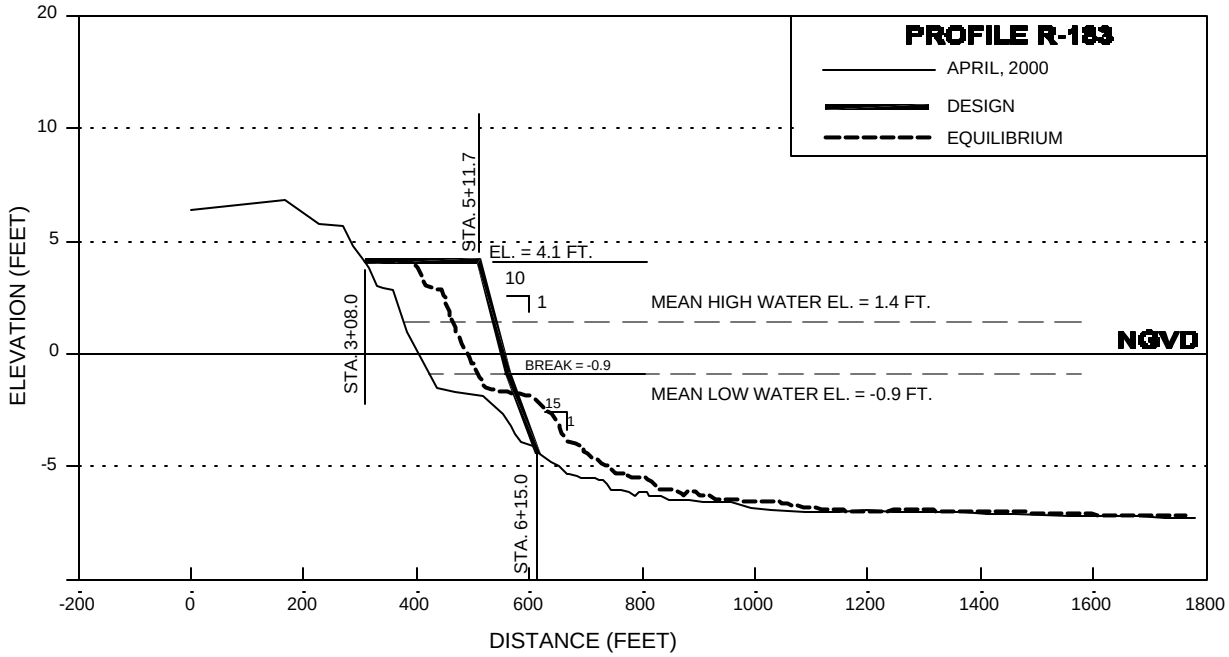
BY: JRC

COMM. NO. 1413.02

SHEET: 25 OF 30

REV. 09/10/01





TITLE:

ESTERO ISLAND
CROSS SECTIONS
LEE COUNTY, FLORIDA

2481 N.W. BOCA RATON BLVD.
BOCA RATON, FL. 33431

COASTAL PLANNING & ENGINEERING, INC.

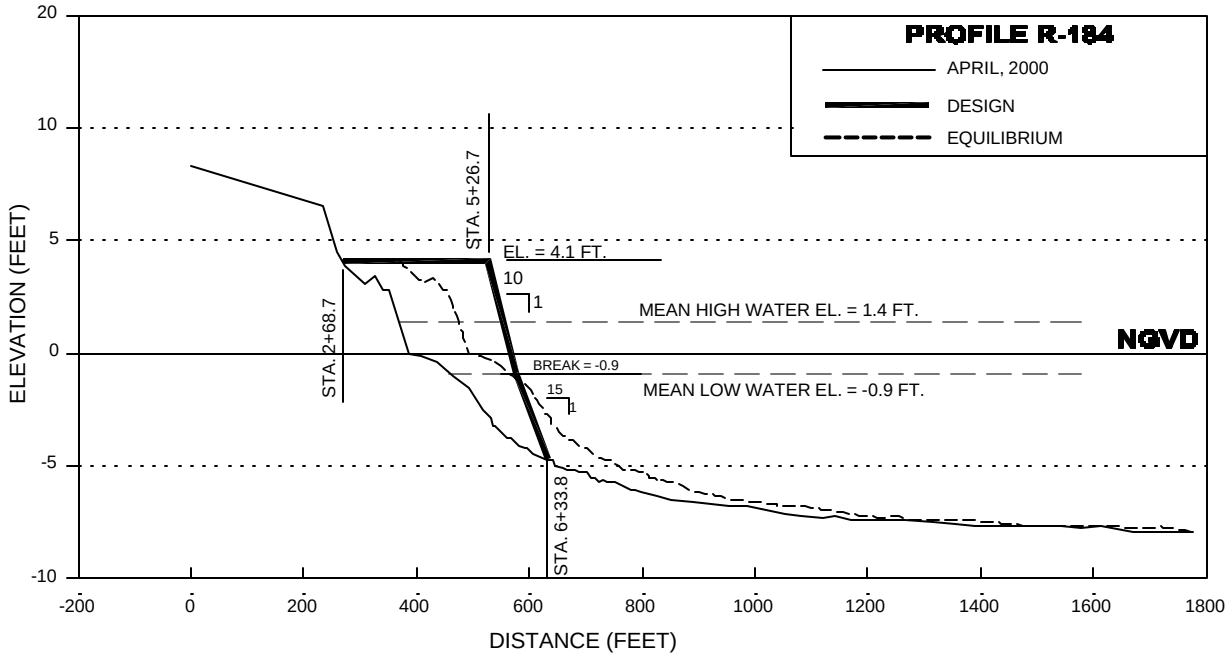
DATE: 7/21/99

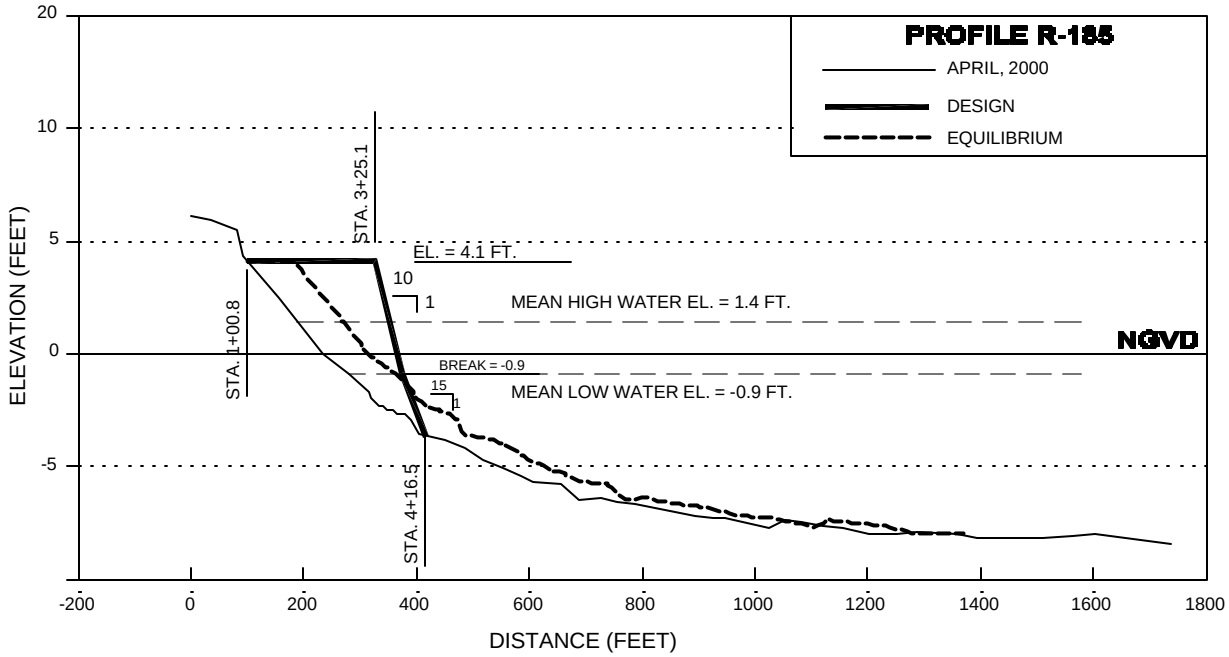
BY: JRC

COMM. NO. 1412.02

SHEET: 21 OF 30

REV. 09/10/01





ESTERO ISLAND
CROSS SECTIONS
LEE COUNTY, FLORIDA

TITLE:

2481 N.W. BOCA RATON BLVD.
BOCA RATON, FL. 33431

COASTAL PLANNING & ENGINEERING, INC.

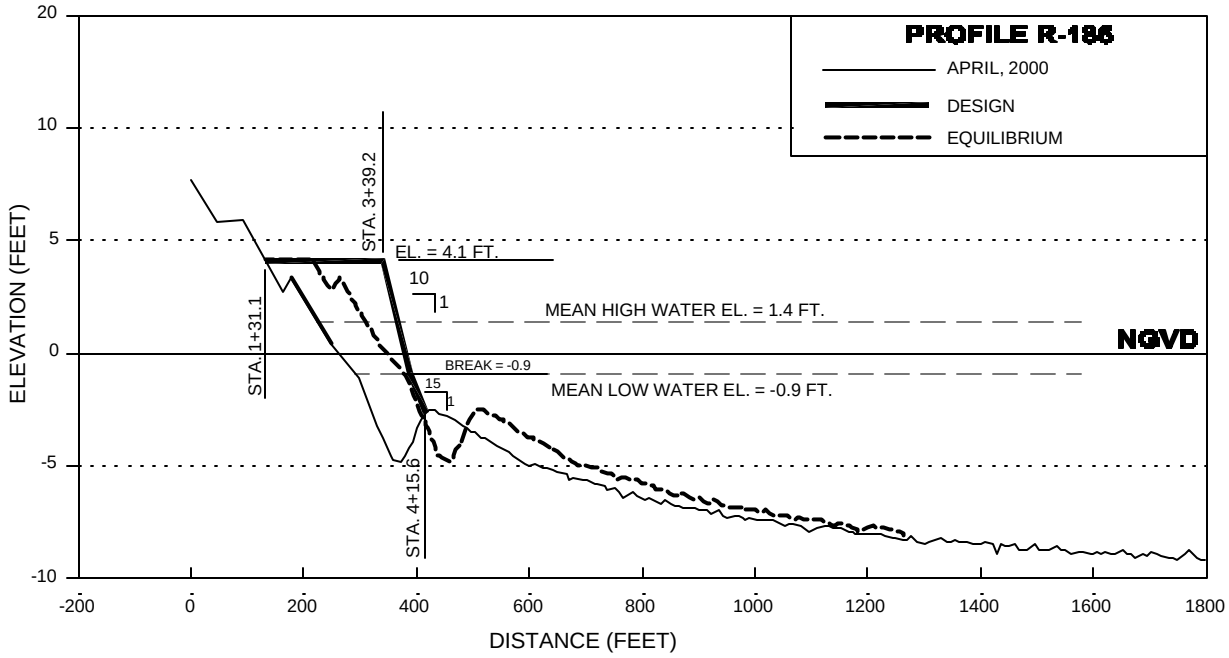
DATE: 7/21/99

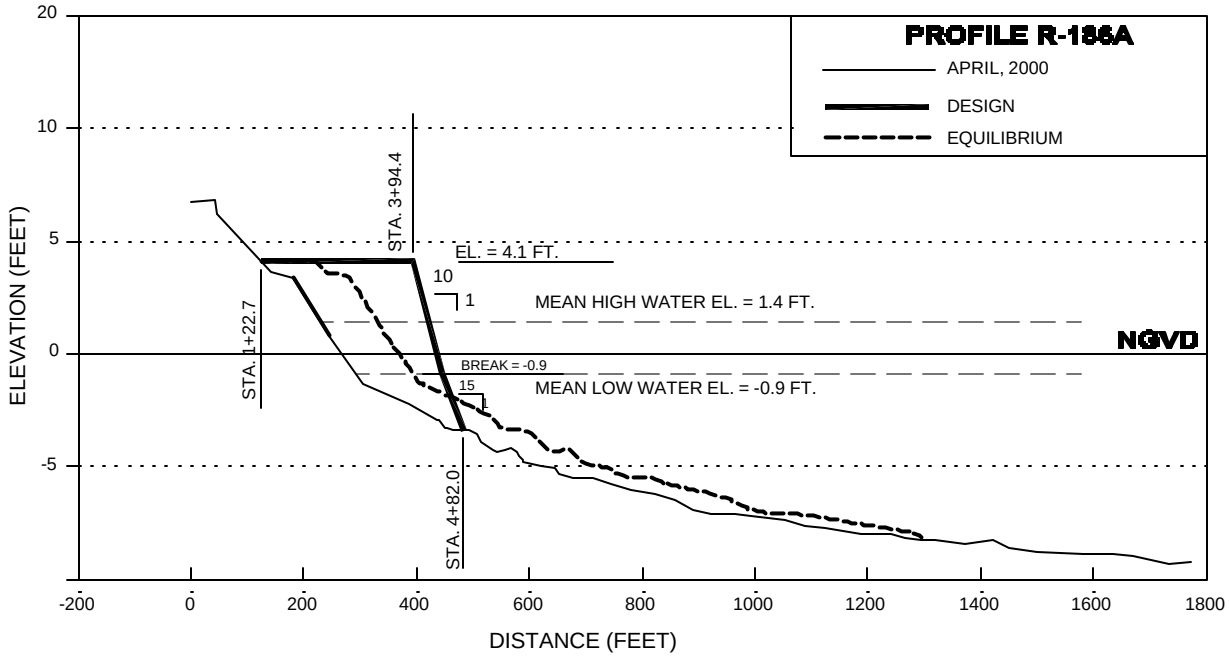
BY: JRC

COMM. NO. 9419.02

SHEET: 22 OF 30

REV. 09/10/01





TITLE:

ESTERO ISLAND
CROSS SECTIONS
LEE COUNTY, FLORIDA

2481 N.W. BOCA RATON BLVD.
BOCA RATON, FL. 33431

COASTAL PLANNING & ENGINEERING, INC.

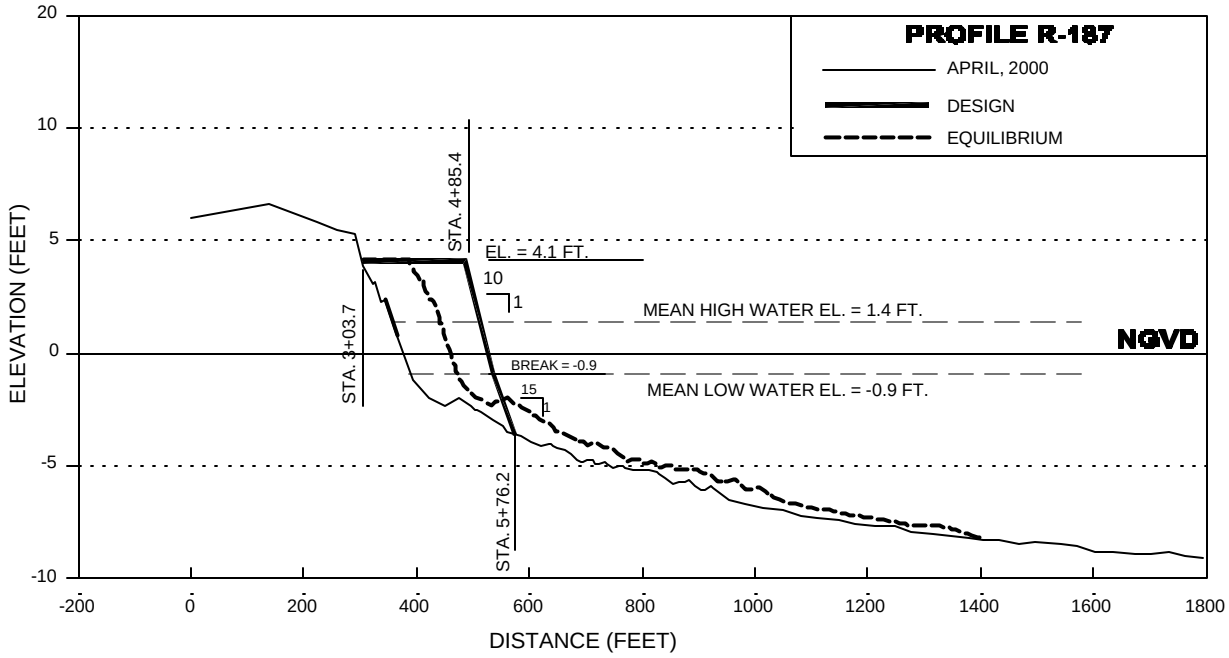
DATE: 7/21/99

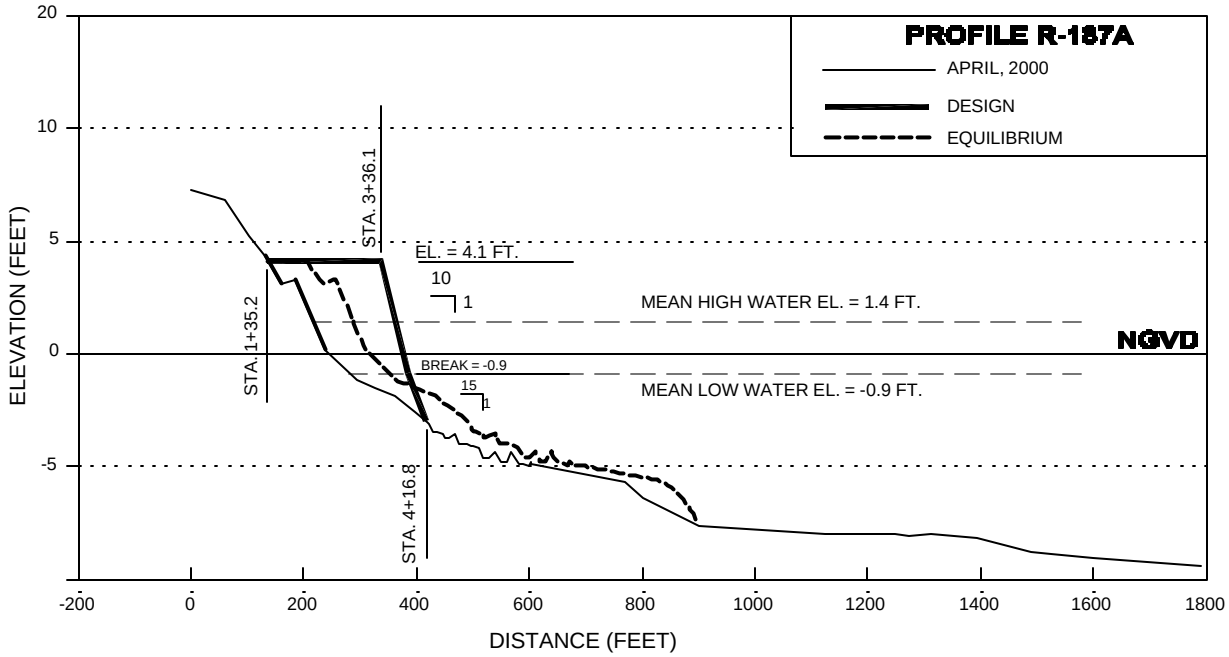
BY: JRC

COMM. NO. 1412.02

SHEET: 23 OF 30

REV. 09/10/01





TITLE:

ESTERO ISLAND
CROSS SECTIONS
LEE COUNTY, FLORIDA

2481 N.W. BOCA RATON BLVD.
BOCA RATON, FL. 33431

COASTAL PLANNING & ENGINEERING, INC.

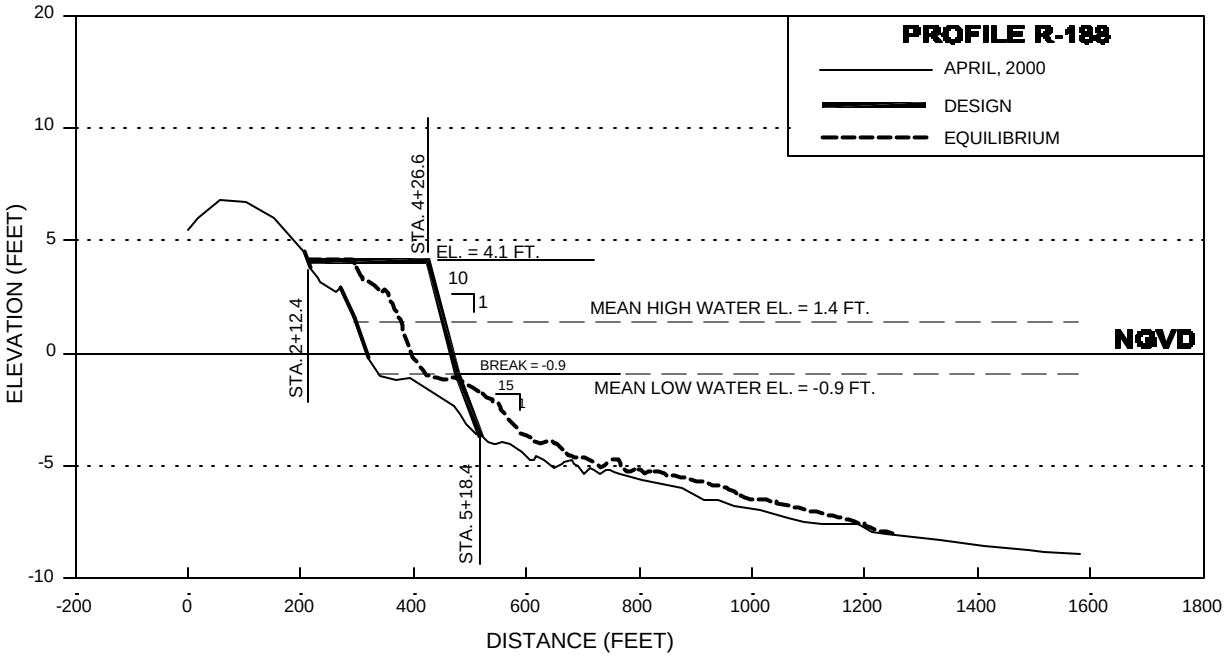
DATE: 7/21/99

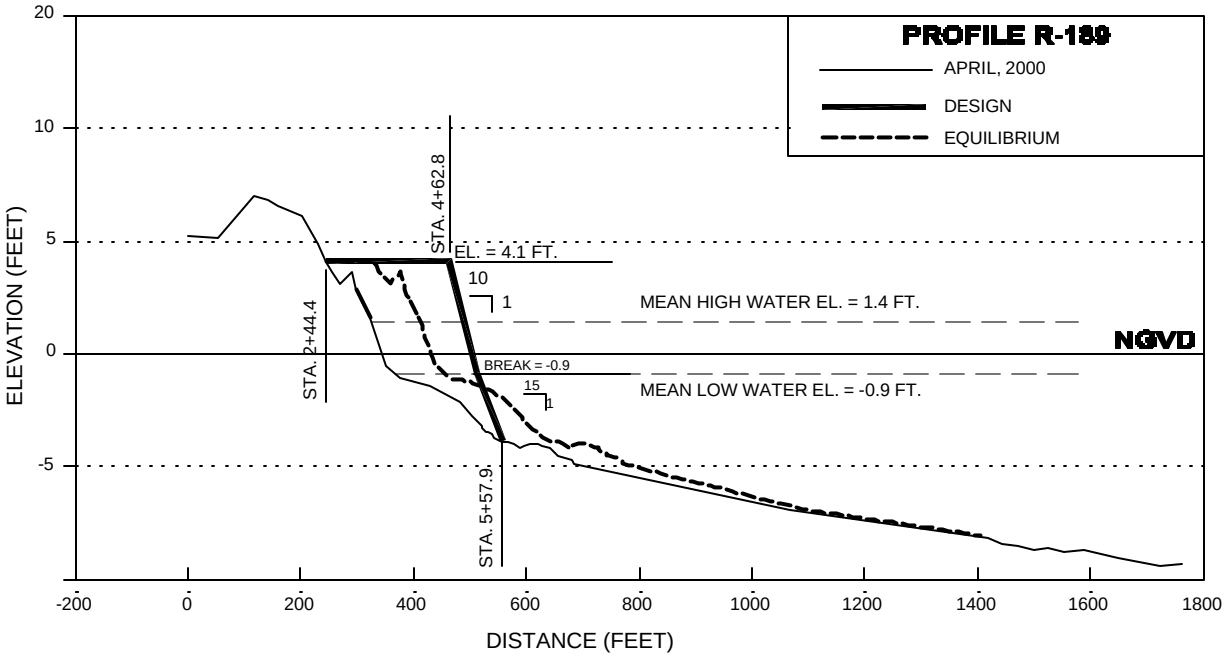
BY: JRC

COMM. NO. 9419.02

SHEET: 34 OF 38

REV. 09/10/01





TITLE:

ESTERO ISLAND
CROSS SECTIONS
LEE COUNTY, FLORIDA

2481 N.W. BOCA RATON BLVD.
BOCA RATON, FL. 33431

COASTAL PLANNING & ENGINEERING, INC.

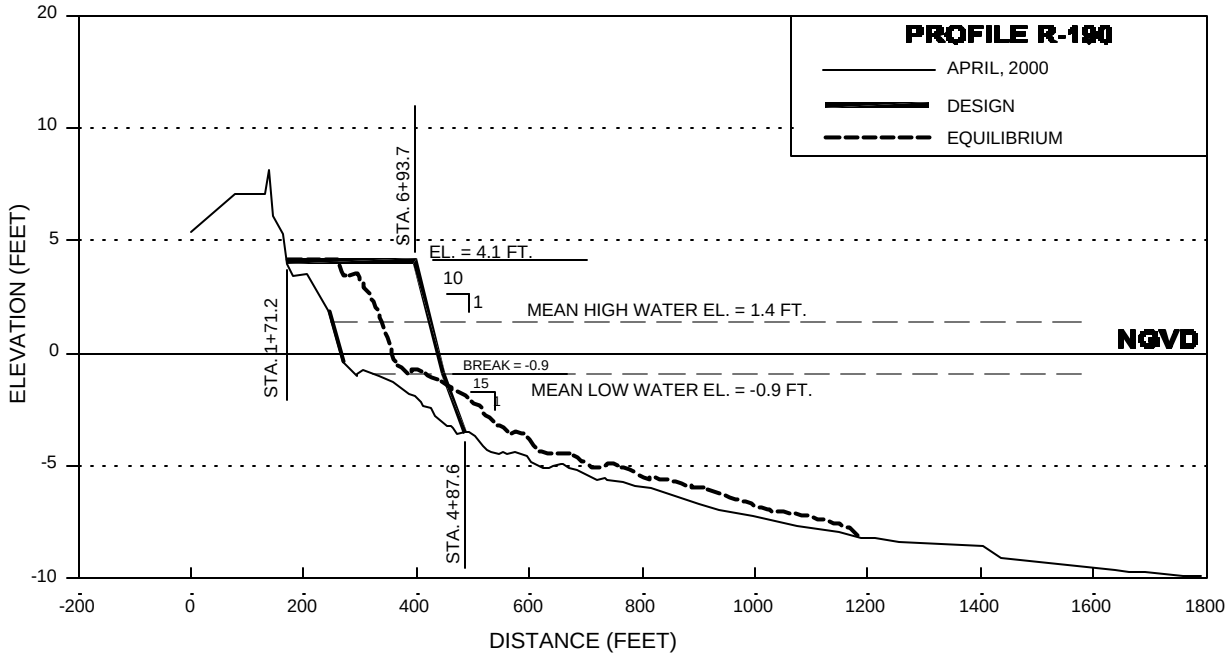
DATE: 7/21/99

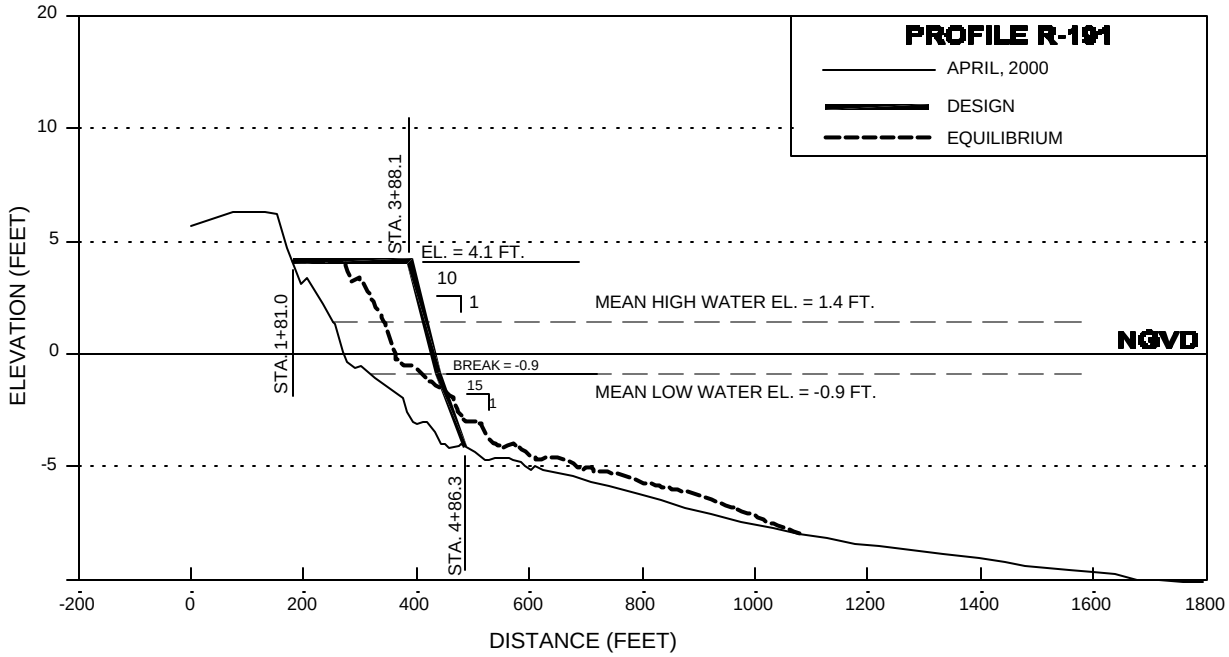
BY: JRC

COMM. NO. 1412.02

SHEET: 25 OF 30

REV. 09/10/01





TITLE:

ESTERO ISLAND
CROSS SECTIONS
LEE COUNTY, FLORIDA

2481 N.W. BOCA RATON BLVD.
BOCA RATON, FL. 33431

COASTAL PLANNING & ENGINEERING, INC.

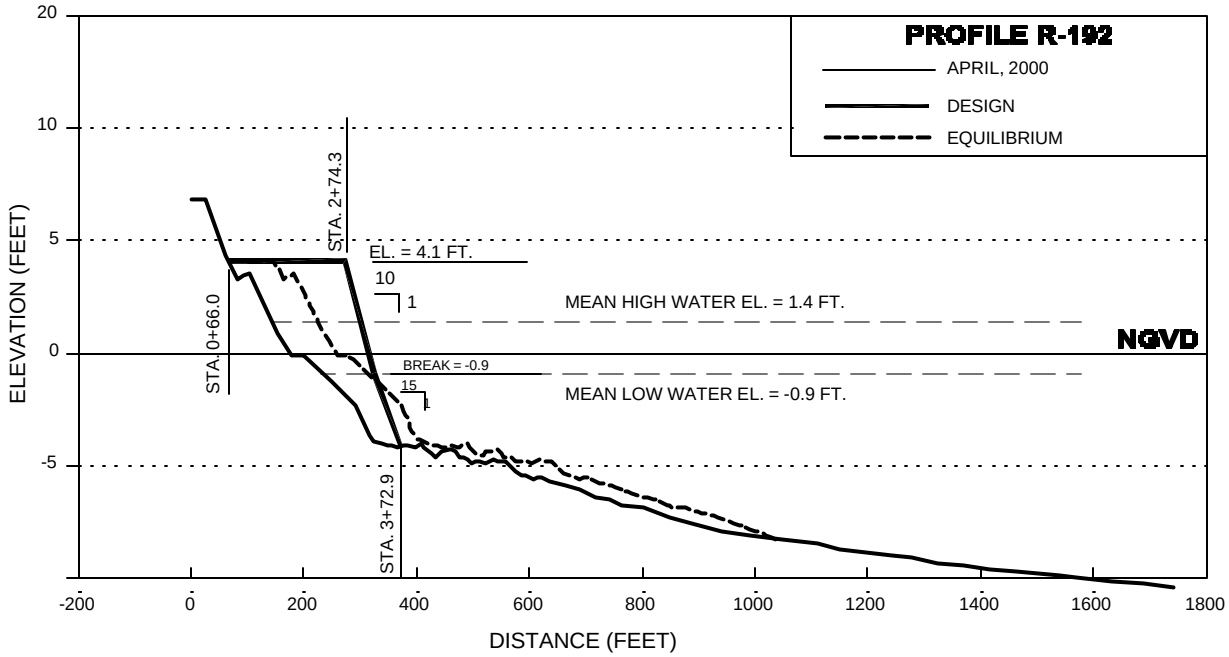
DATE: 7/21/99

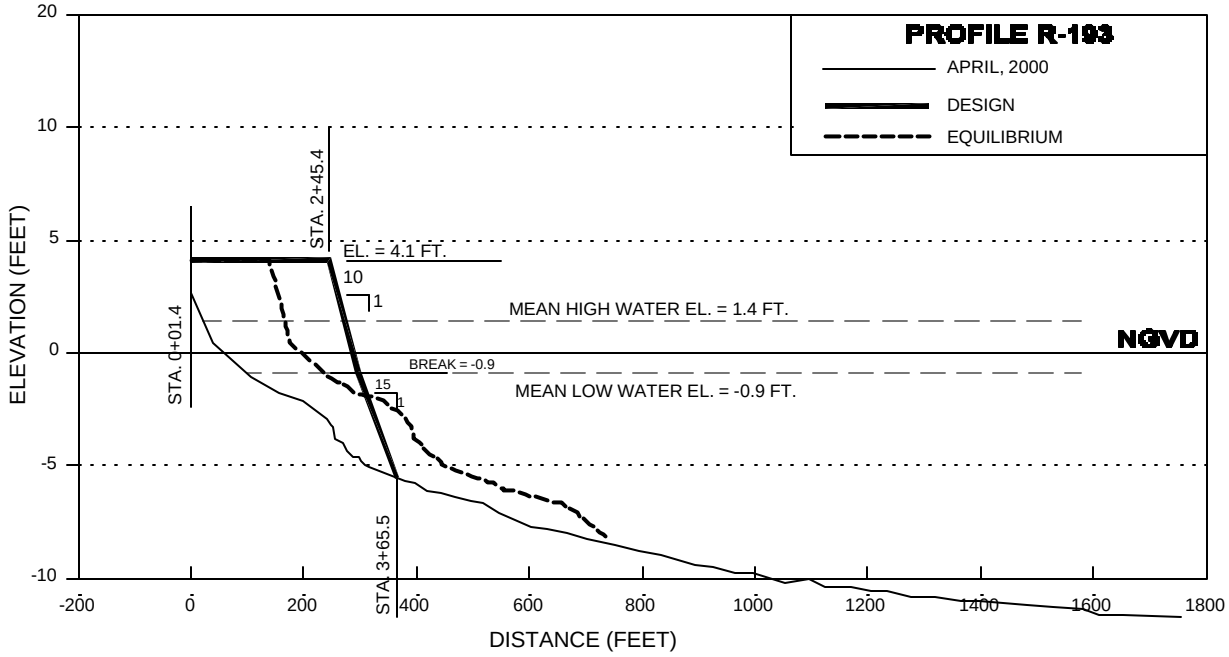
BY: JRC

COMM. NO. 1412.02

SHEET: 28 OF 30

REV. 09/10/01





TITLE:

ESTERO ISLAND
CROSS SECTIONS
LEE COUNTY, FLORIDA

2461 N.W. BOCA RATON BLVD.
BOCA RATON, FL. 33431

COASTAL PLANNING & ENGINEERING, INC.

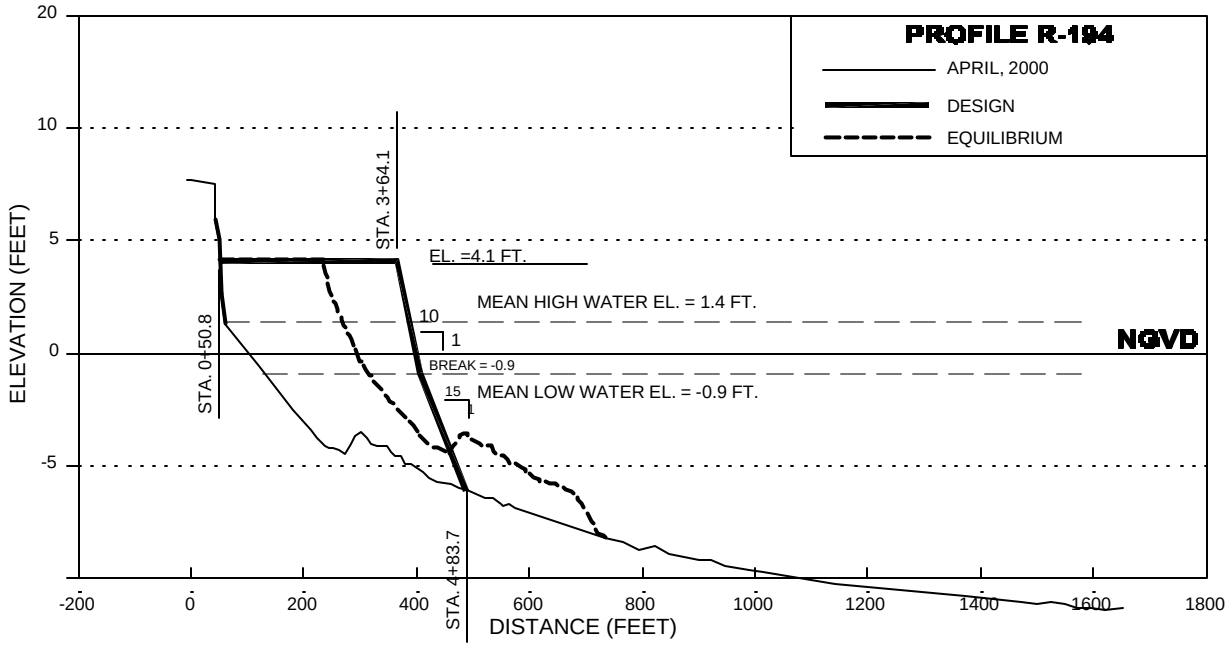
DATE: 7/21/99

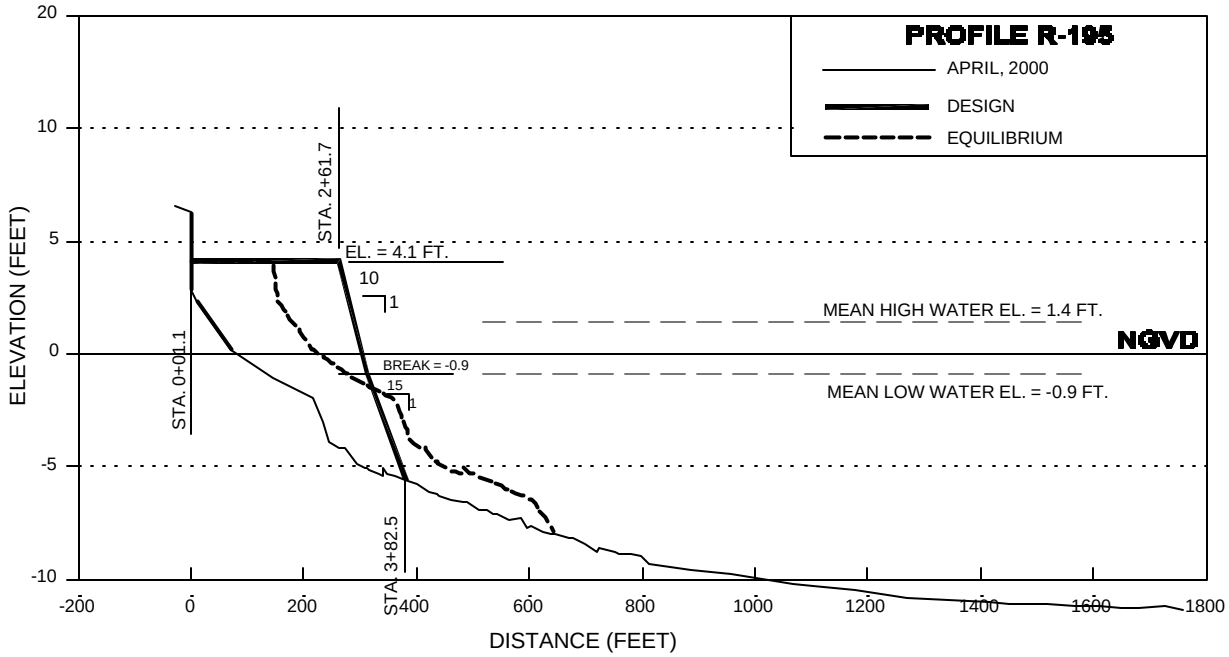
BY: JRC

COMM. NO. 1412.02

SHEET: 27 OF 30

REV. 09/10/01





ESTERO ISLAND
CROSS SECTIONS
LEE COUNTY, FLORIDA

TITLE:

2481 N.W. BOCA RATON BLVD.
BOCA RATON, FL. 33431

COASTAL PLANNING & ENGINEERING, INC.

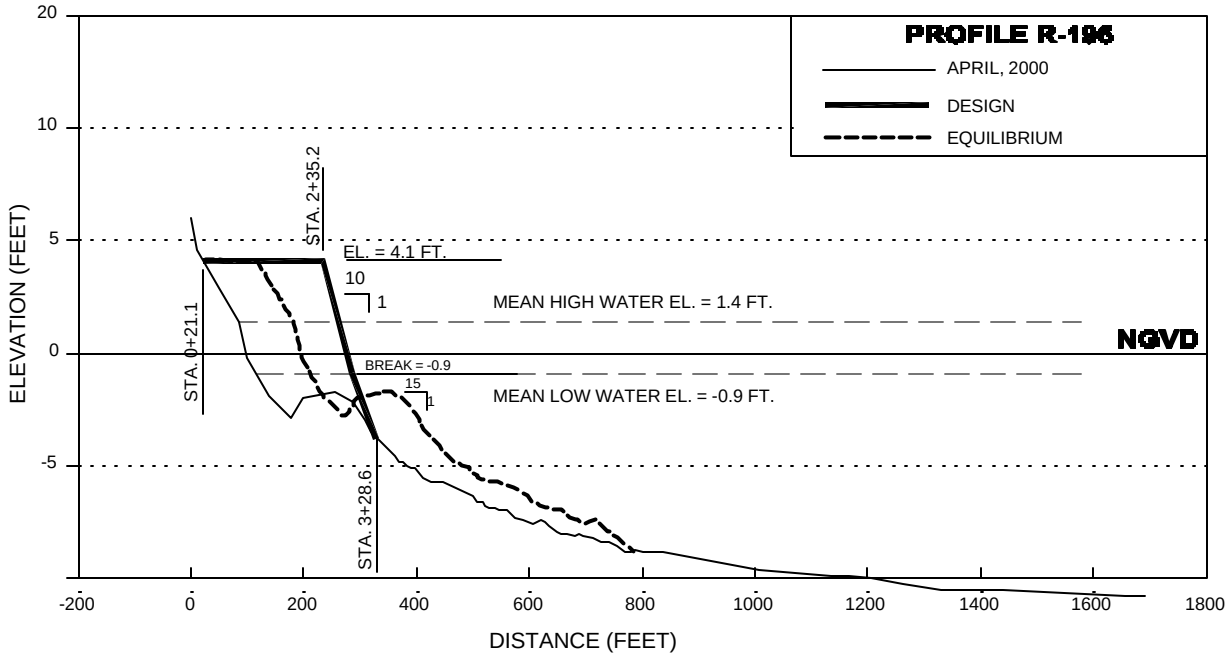
DATE: 7/21/99

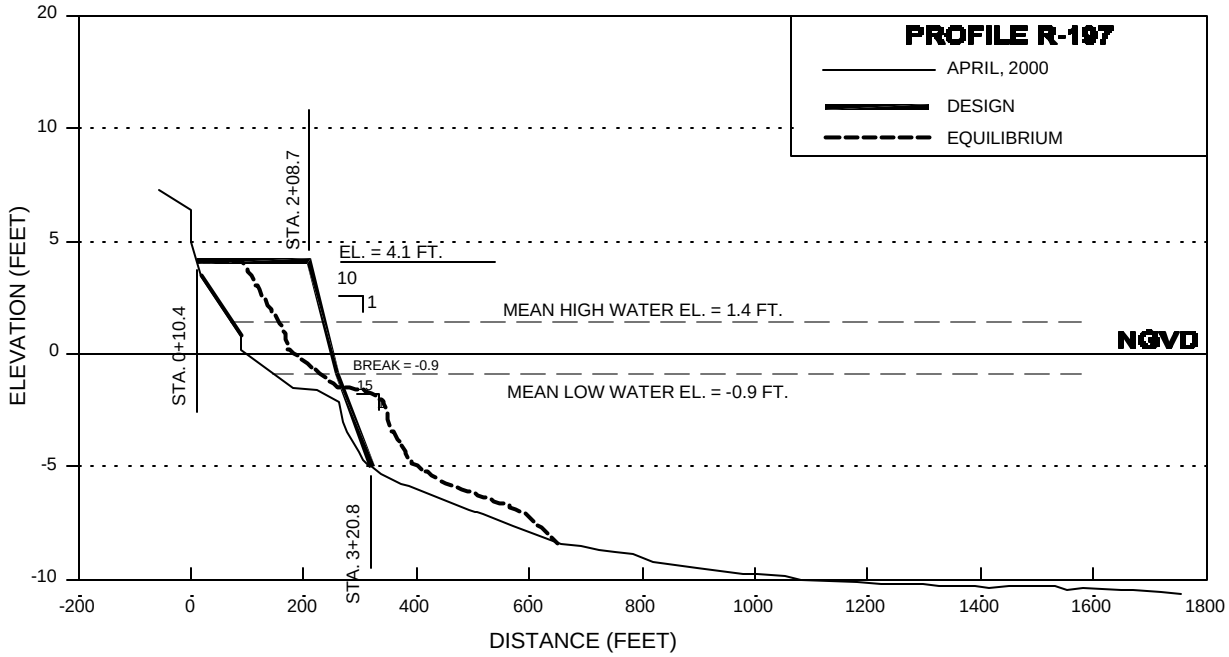
BY: JRC

COMM. NO. 9419.02

SHEET: 28 OF 30

REV. 09/10/01





ESTERO ISLAND
CROSS SECTIONS
LEE COUNTY, FLORIDA

TITLE:

2481 N.W. BOCA RATON BLVD.
BOCA RATON, FL. 33431

COASTAL PLANNING & ENGINEERING, INC.

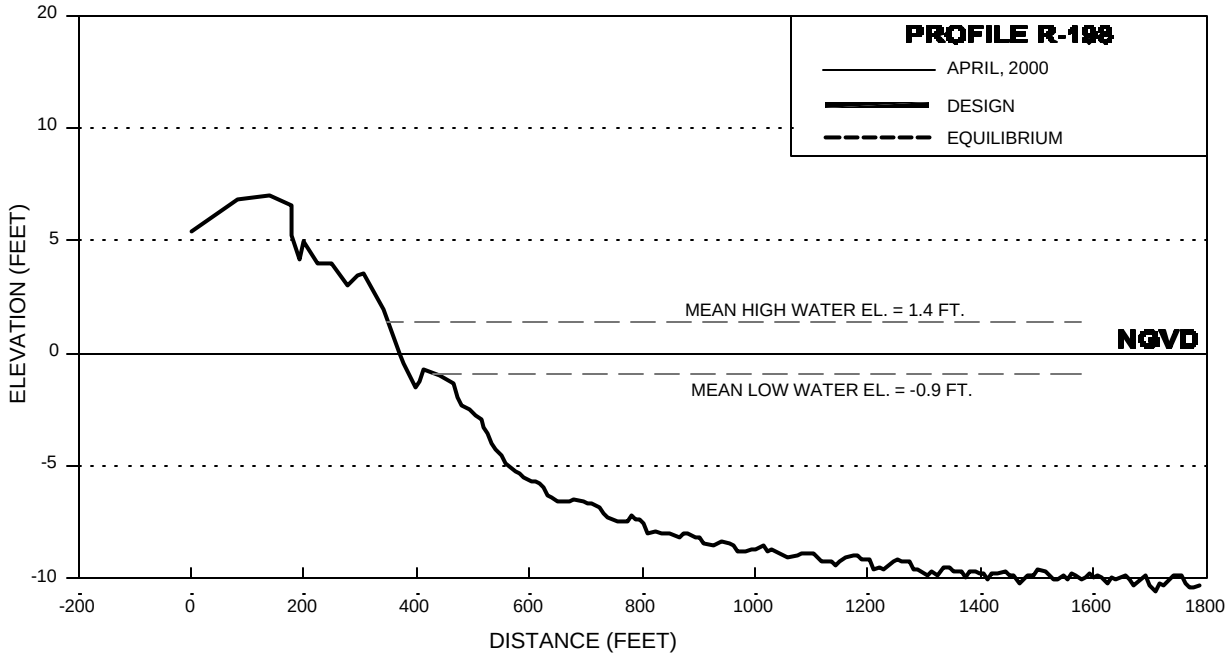
DATE: 7/21/99

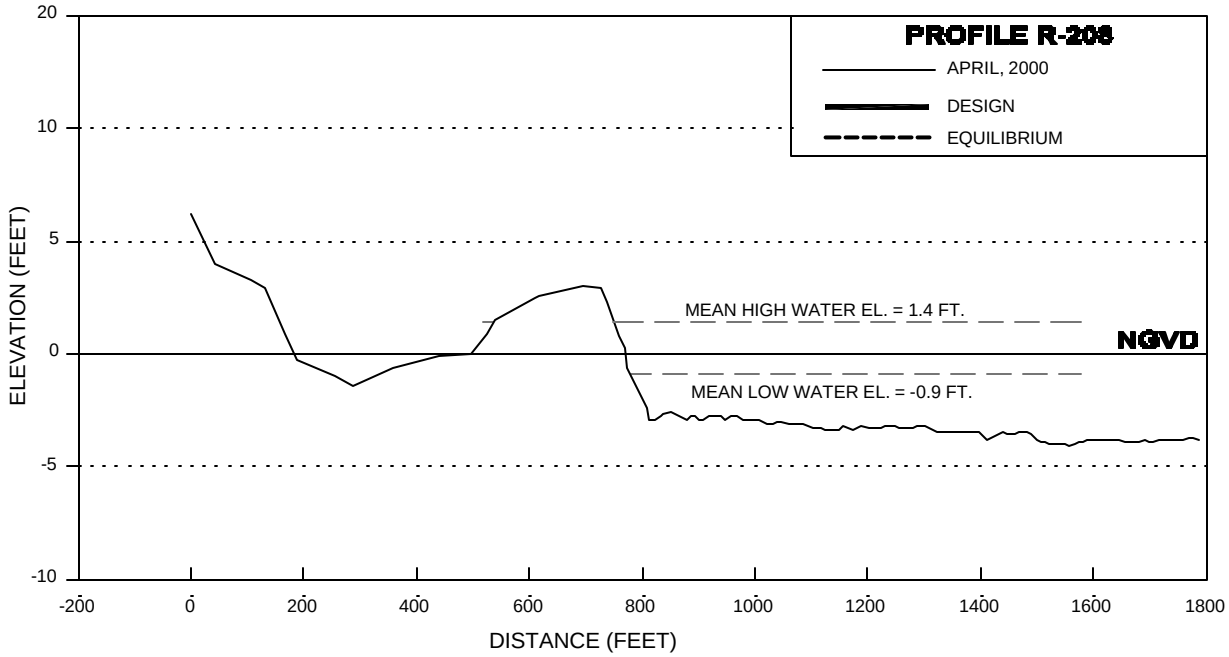
BY: JRC

COMM. NO. 9419.02

SHEET: 29 OF 30

REV. 09/10/01





TITLE:

ESTERO ISLAND
CROSS SECTIONS
LEE COUNTY, FLORIDA

2481 N.W. BOCA RATON BLVD.
BOCA RATON, FL. 33431

COASTAL PLANNING & ENGINEERING, INC.

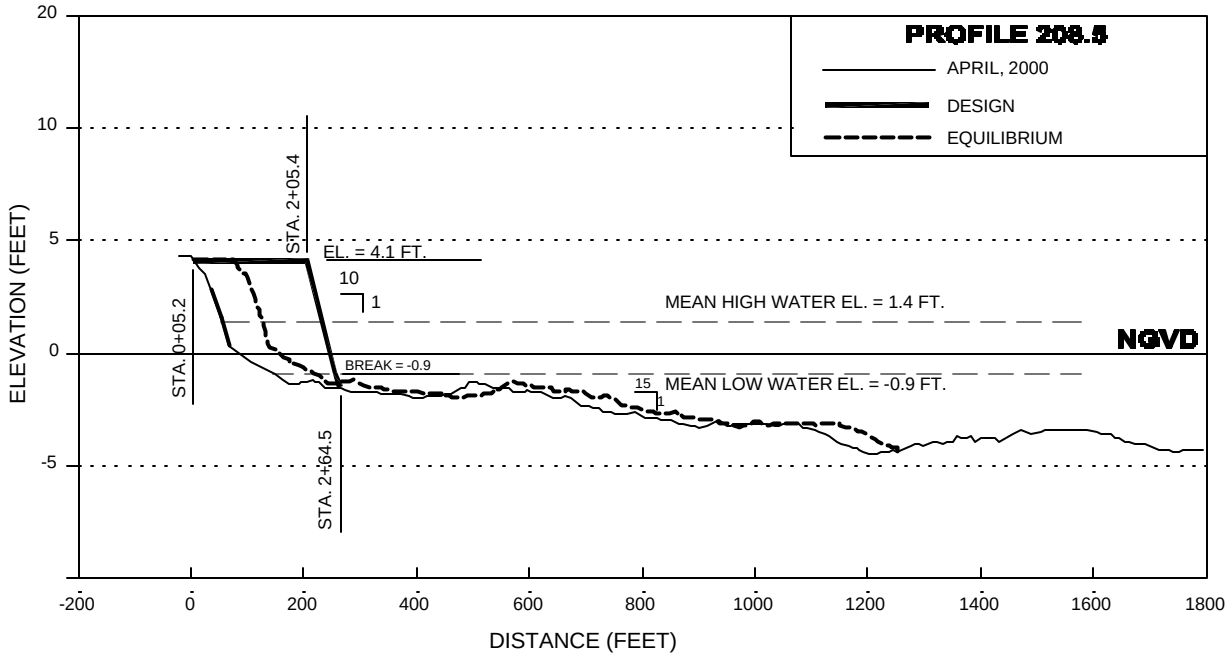
DATE: 7/21/99

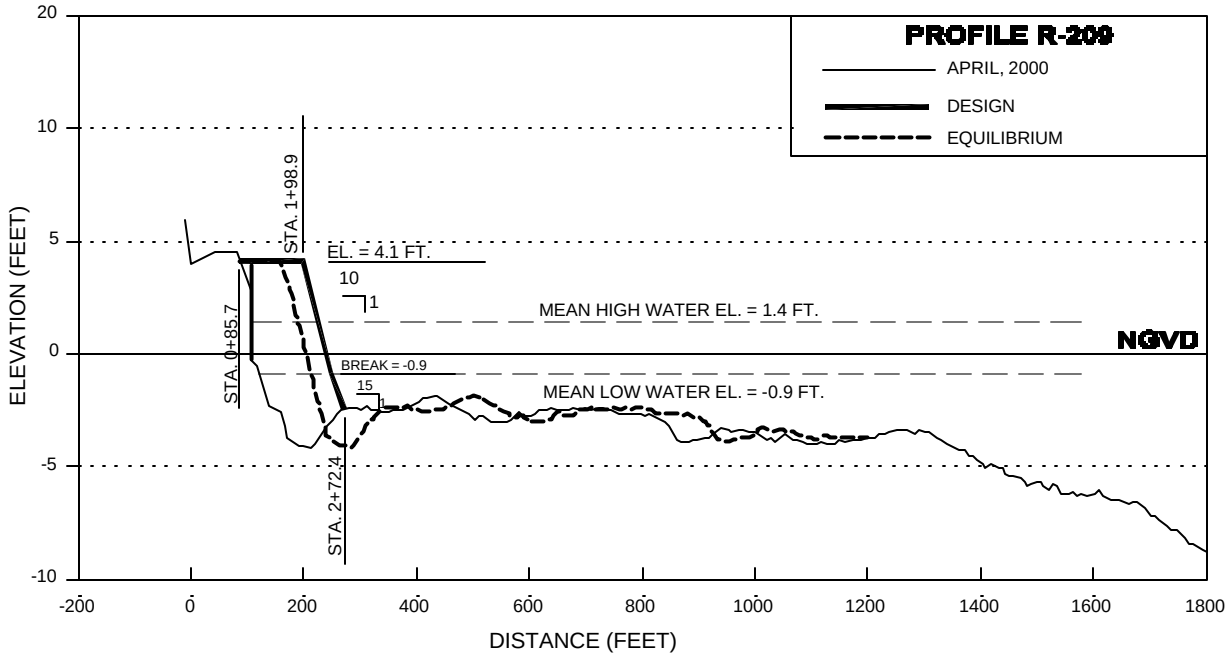
BY: JRC

COMM. NO. 9419.02

SHEET: 30 OF 30

REV. 09/10/01





TITLE:

ESTERO ISLAND
CROSS SECTIONS
LEE COUNTY, FLORIDA

2481 N.W. BOCA RATON BLVD.
BOCA RATON, FL. 33431

COASTAL PLANNING & ENGINEERING, INC.

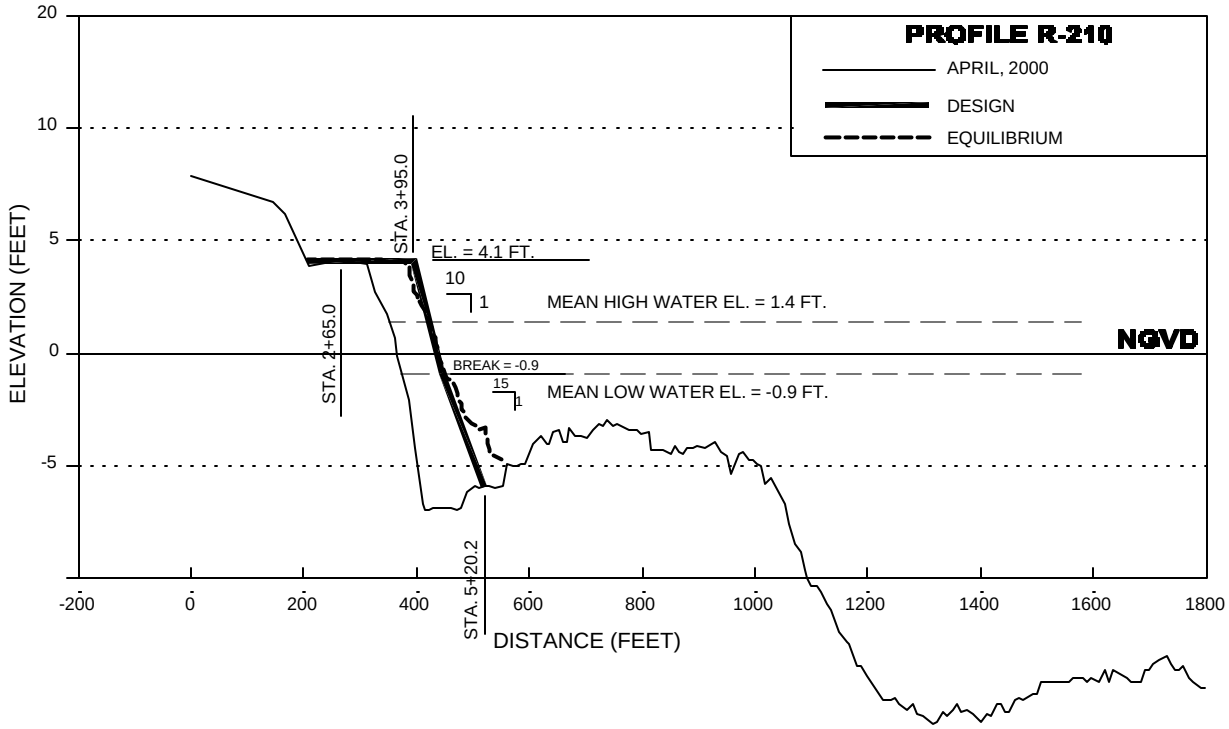
DATE: 7/21/99

BY: JRC

COMM. NO. 941B.02

SHEET: 31 OF 38

REV. 09/10/01



TITLE:

ESTERO ISLAND
CROSS SECTIONS
LEE COUNTY, FLORIDA

2481 N.W. BOCA RATON BLVD.
BOCA RATON, FL. 33431

COASTAL PLANNING & ENGINEERING, INC.

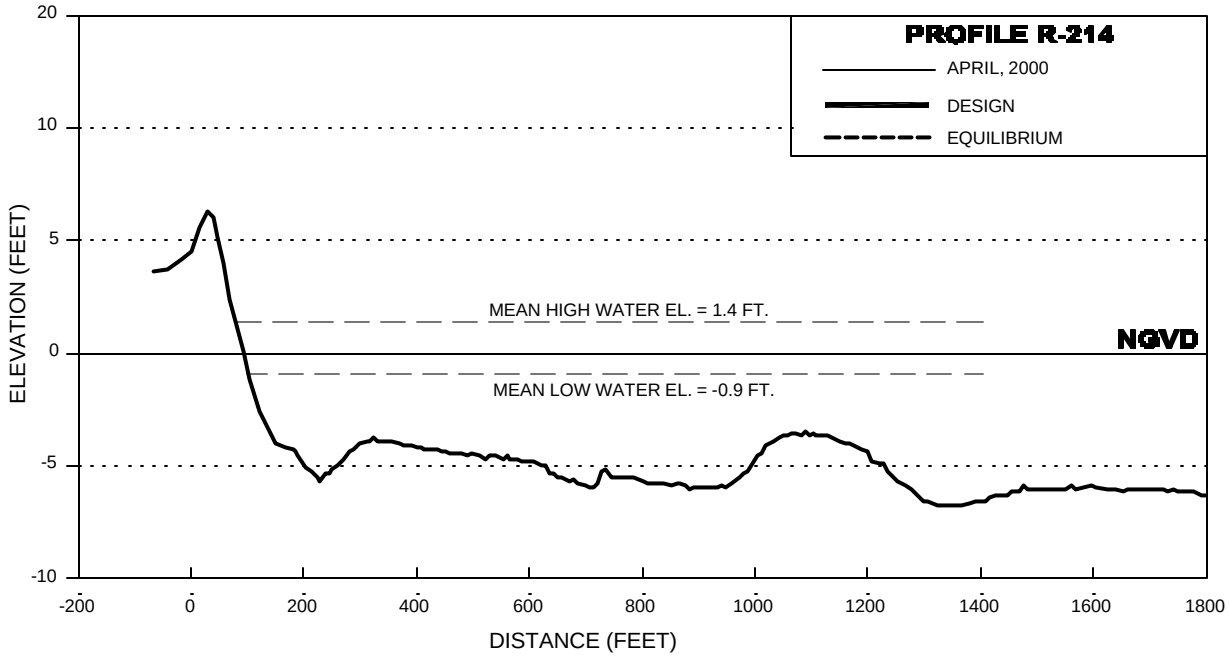
DATE: 7/21/99

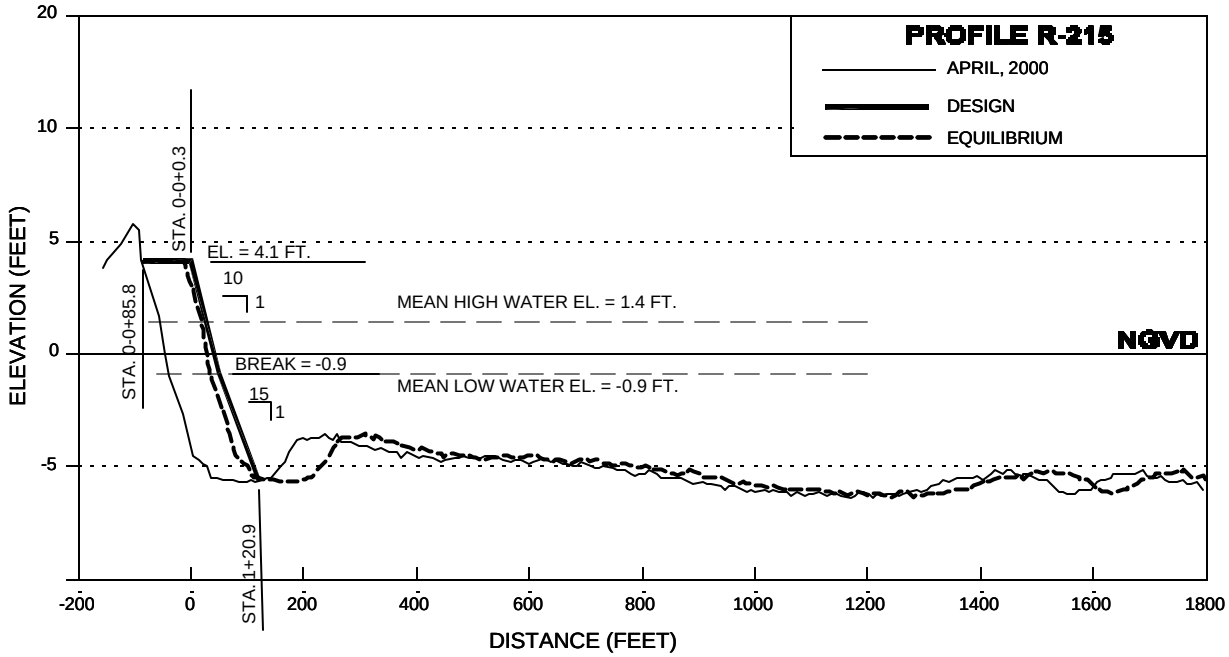
BY: JRC

COMM. NO. 1412.02

SHEET: 32 OF 38

REV. 09/10/01





TITLE:

ESTERO ISLAND
CROSS SECTIONS
LEE COUNTY, FLORIDA

2481 N.W. BOCA RATON BLVD.
BOCA RATON, FL. 33431

COASTAL PLANNING & ENGINEERING, INC.

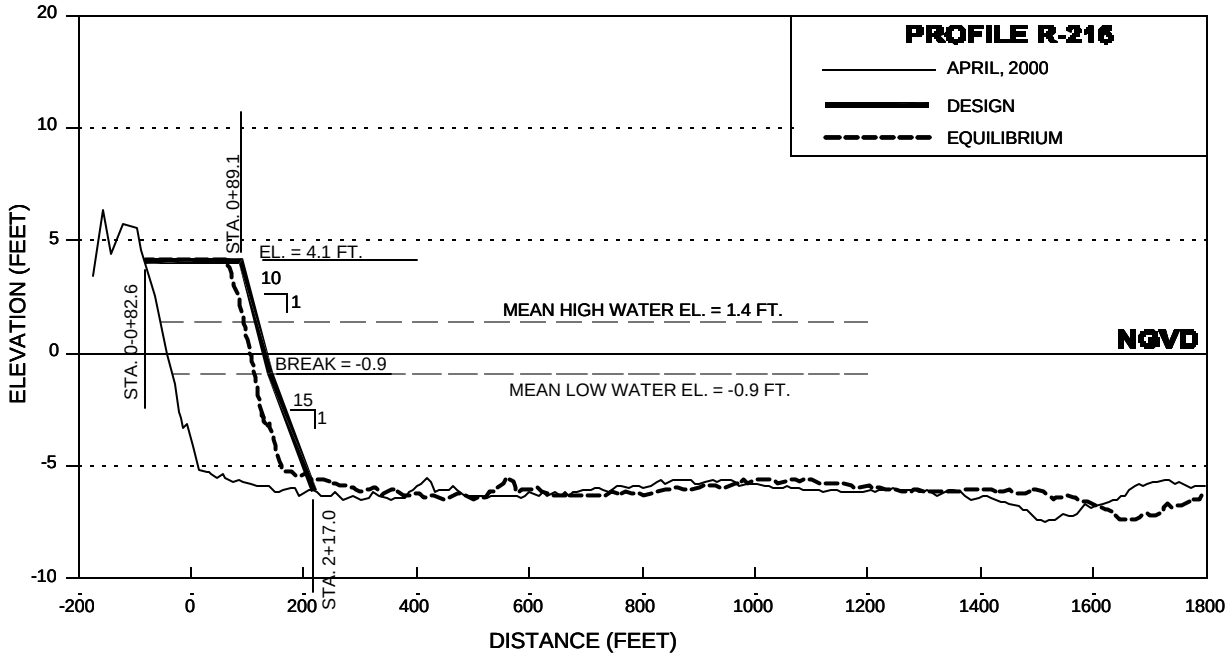
DATE: 7/21/99

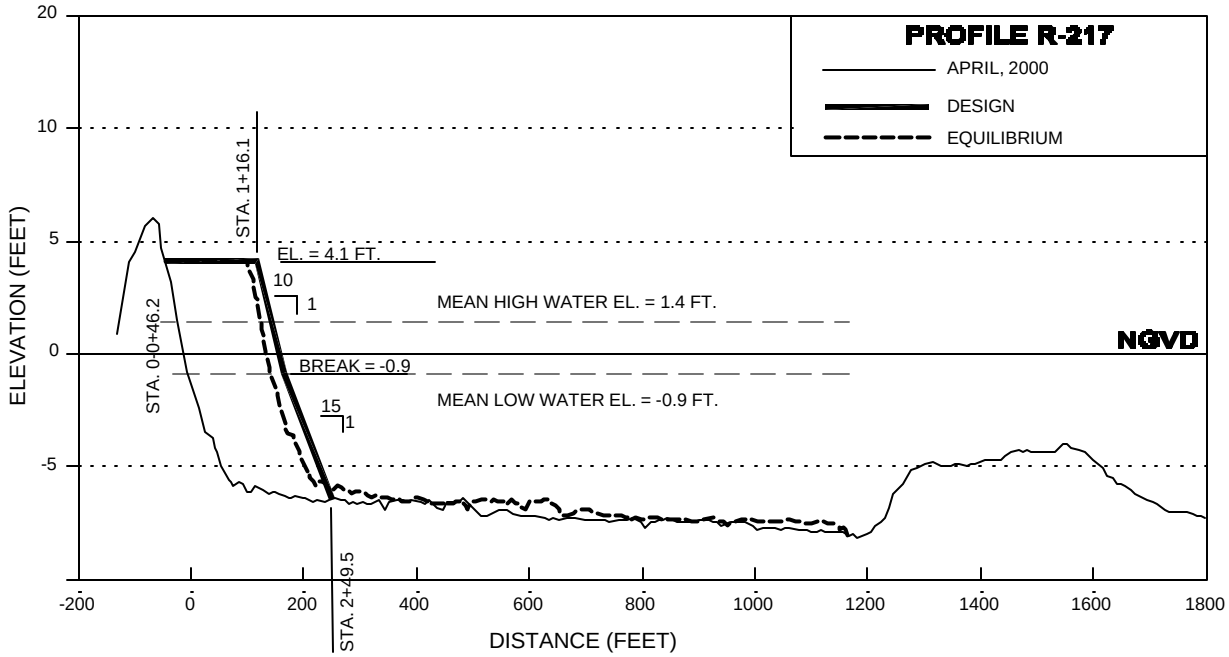
BY: JRC

COMM. NO. 1412.02

SHEET: 22 OF 28

REV. 09/10/01





TITLE:

ESTERO ISLAND
CROSS SECTIONS
LEE COUNTY, FLORIDA

2481 N.W. BOCA RATON BLVD.
BOCA RATON, FL. 33431

COASTAL PLANNING & ENGINEERING, INC.

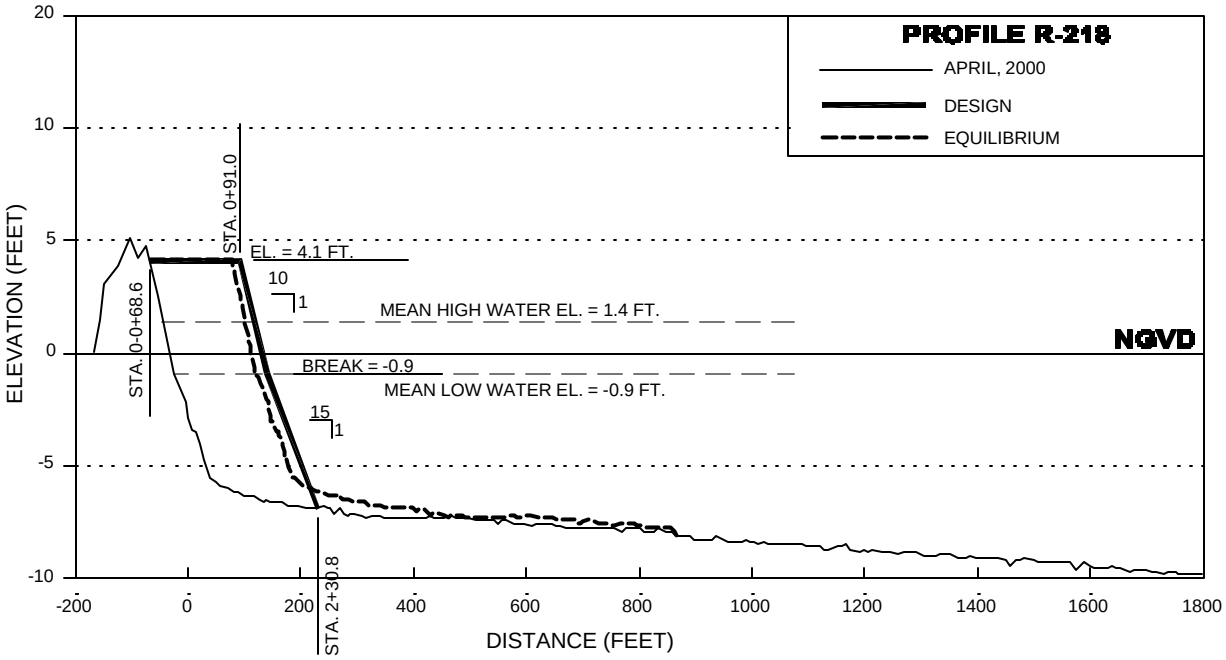
DATE: 7/21/99

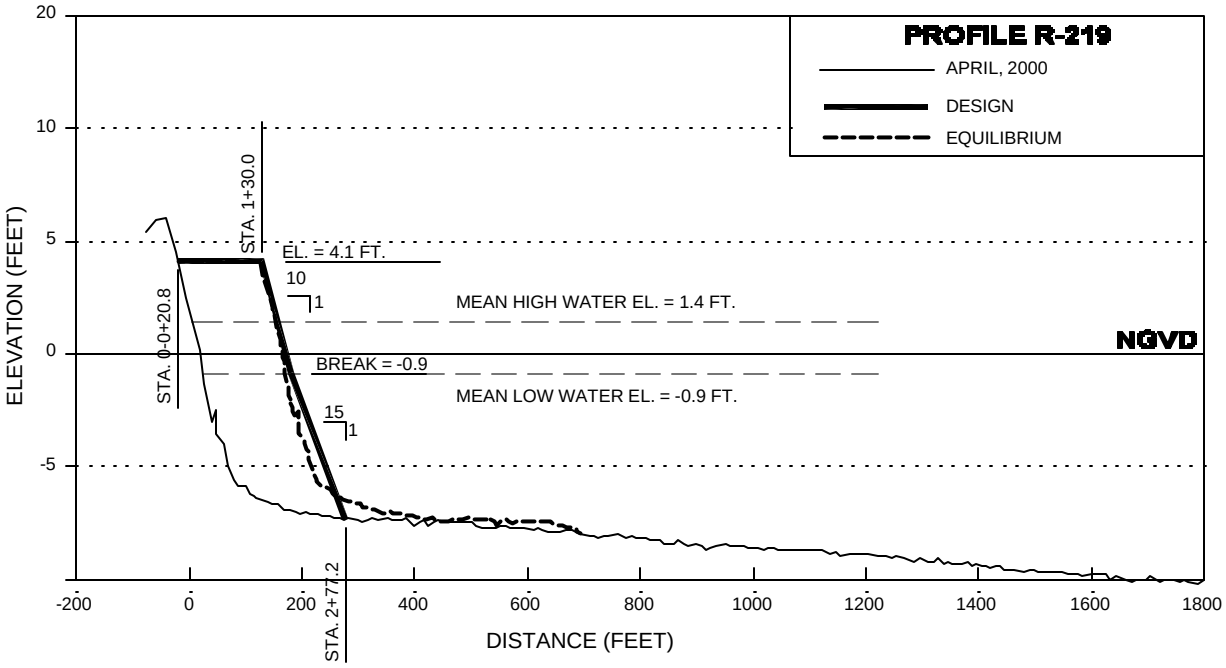
BY: JRC

COMM. NO. 9419.02

SHEET: 34 OF 38

REV. 09/10/01





ESTERO ISLAND
CROSS SECTIONS
LEE COUNTY, FLORIDA

TITLE:

2461 N.W. BOCA RATON BLVD.
BOCA RATON, FL. 33431

COASTAL PLANNING & ENGINEERING, INC.

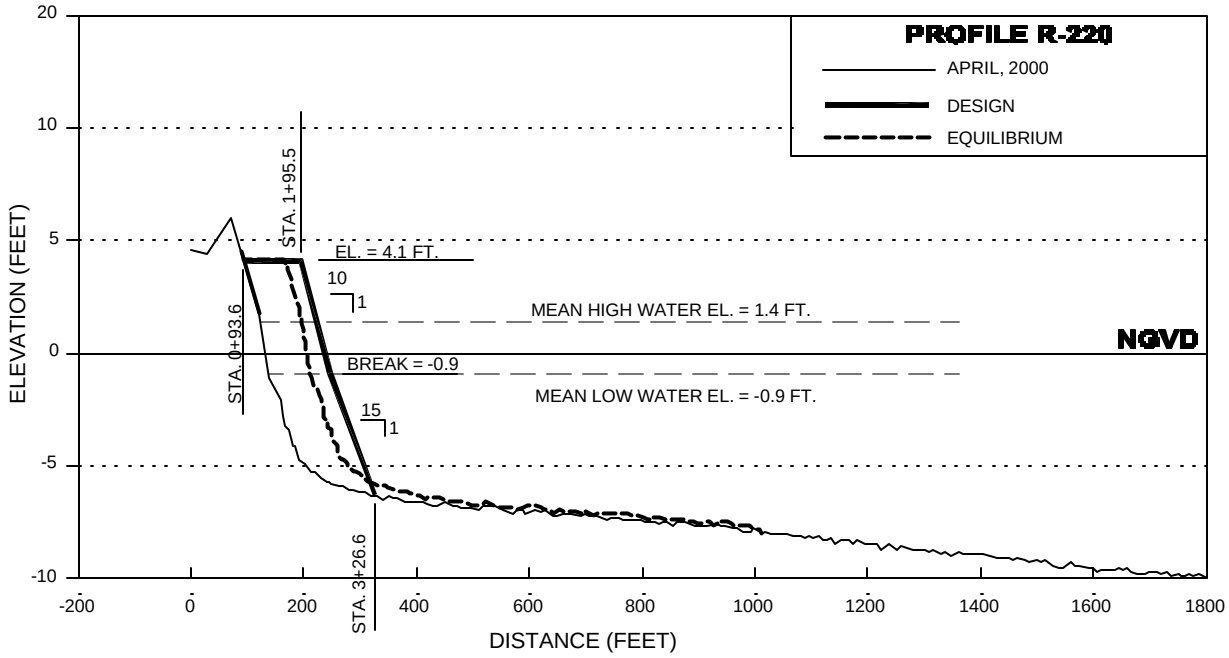
DATE: 7/21/99

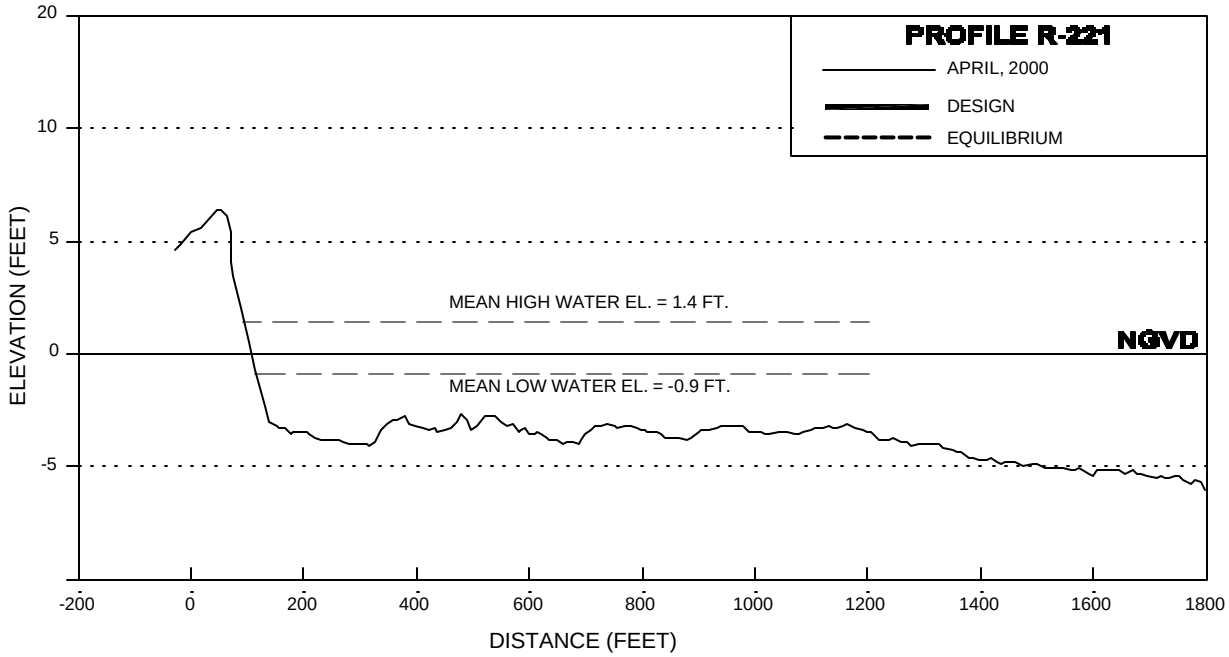
BY: JRC

COMM. NO. 1412.02

SHEET: 35 OF 38

REV. 09/10/01





ESTERO ISLAND
CROSS SECTIONS
LEE COUNTY, FLORIDA

TITLE:

2481 N.W. BOCA RATON BLVD.
BOCA RATON, FL. 33431

COASTAL PLANNING & ENGINEERING, INC.

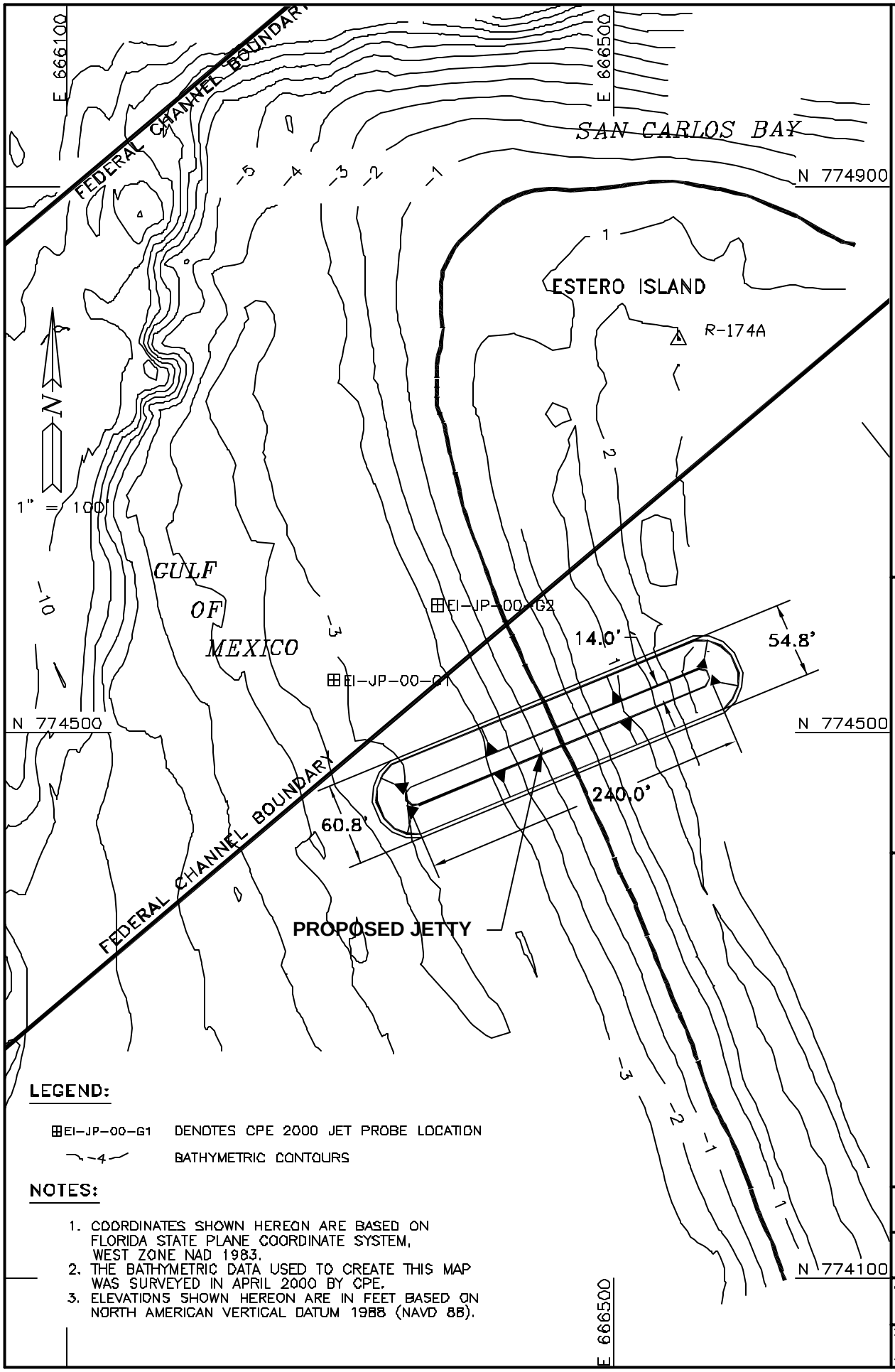
DATE: 7/21/99

BY: JRC

COMM. NO. 9419.02

SHEET: 38 OF 38

REV. 09/10/01



LEGEND:

⊞EI-JP-00-G1 DENOTES CPE 2000 JET PROBE LOCATION

-4 BATHYMETRIC CONTOURS

NOTES:

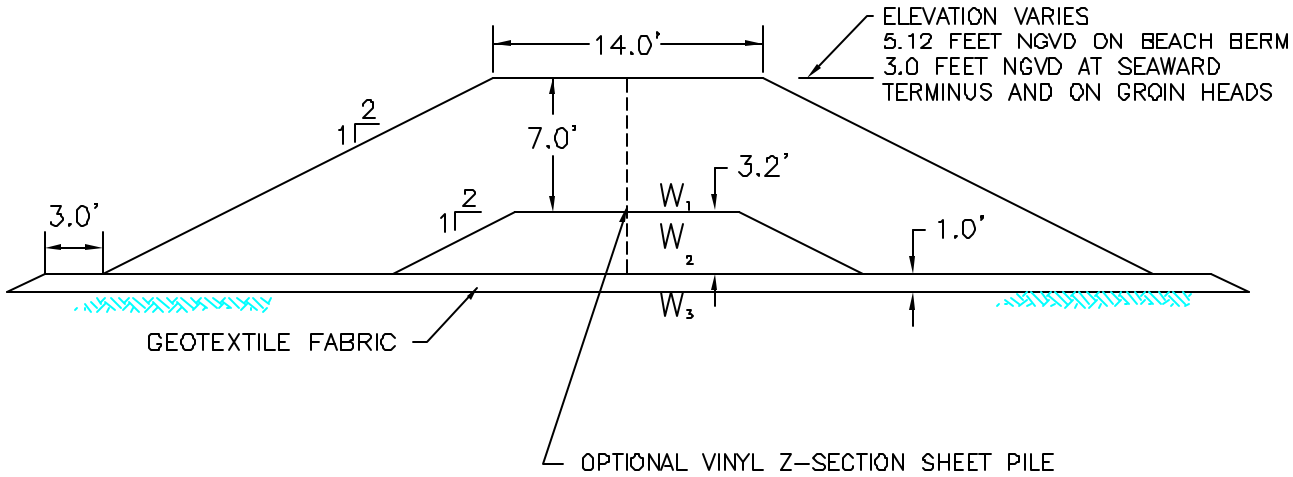
1. COORDINATES SHOWN HEREON ARE BASED ON FLORIDA STATE PLANE COORDINATE SYSTEM, WEST ZONE NAD 1983.
2. THE BATHYMETRIC DATA USED TO CREATE THIS MAP WAS SURVEYED IN APRIL 2000 BY CPE.
3. ELEVATIONS SHOWN HEREON ARE IN FEET BASED ON NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 88).

TITLE : ESTERO ISLAND BEACH RESTORATION
PROPOSED GROIN LOCATION
LEE COUNTY, FLORIDA

2481 N.W. BOCA RATON BLVD.
BOCA RATON, FL. 33431

COASTAL PLANNING & ENGINEERING, INC.

DATE: 7/21/00
BY: JRC
COMM. NO. 8410.02
SHEET: 37 OF 38



NOTES:

1. FILTER CLOTH WILL BE PLACED UNDER BEDDING LAYER.
2. ALL ARMOR STONE 145 PCF MINIMUM.
3. STONE SIZES AS FOLLOWS:
   W_1 = 2 TO 4 TONS
   W_2 = 600 LBS
   W_3 = 75 LBS

SCALE: 1" = 10'

SHEET: 38 OF 38	COMM. NO. 8410.02	BY: JRC	DATE: 7/21/00	COASTAL PLANNING & ENGINEERING, INC.	2481 N.W. BOCA RATON BLVD. BOCA RATON, FL 33431	TITLE : ESTERO ISLAND TERMINAL GROIN CROSS SECTON