SAFETY ON THIS JOB
DEPENDS ON YOU

VIRGINIA KEY
DADE COUNTY, FLORIDA

PLANS

FOR

SHORELINE STABILIZATION PROJECT

DEPARTMENT OF THE ARMY

JACKSONVILLE DISTRICT, CORPS OF ENGINEERS

JACKSONVILLE, FLORIDA

TO ACCOMPANY SOLICITATION
NO. DACW17-02-R-0023

2002

VE "INCREASE PROFIT - SUBMIT VECP'S"

D. O. FILE NO. 24-38,277

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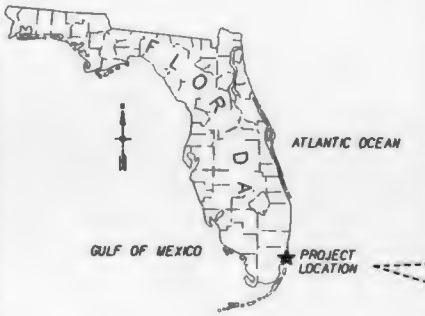
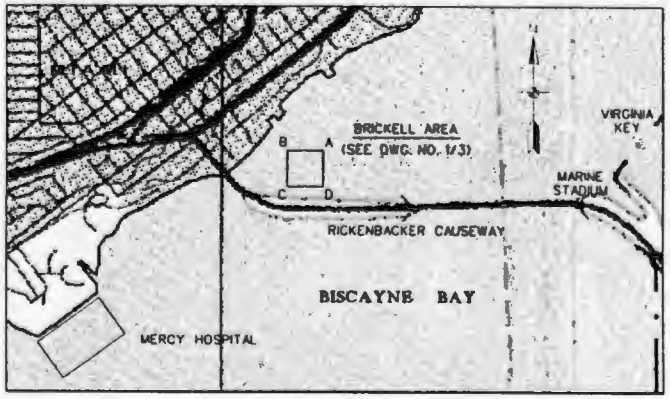


LOCATION MAP



BRICKELL OFFSHORE DISPOSAL AREA

SURVEY NOTES:

1. REFER TO SURVEY NO. 01-209.
2. THIS TOPOGRAPHIC/HYDROGRAPHIC SURVEY WAS PERFORMED IN SEPTEMBER AND OCTOBER. 2001.
3. ALL AZIMUTHS ARE GRID. RECKONED CLOCKWISE FROM SOUTH.
4. THE COORDINATES SHOWN HEREON ARE IN FEET AND ARE BASED ON THE FLORIDA STATE PLANE COORDINATE SYSTEM. EAST ZONE (0901). TRANSVERSE MERCATOR PROJECTION. NORTH AMERICAN DATUM. 1927 (NAD27).
5. VERTICAL DATUMS REFERENCES MEAN LOW WATER WHICH IS 1.30 FEET BELOW THE NATIONAL GEODETIC VERTICAL DATUM (1929) AND ARE BELOW THE REFERENCE PLANE UNLESS PRECEDED BY A PLUS SIGN.
6. CROSS SECTIONS SHOWN HEREON WERE MADE BY REAL TIME KINEMATIC (RTK) GLOBAL POSITIONS SYSTEMS (GPS) COMBINED WITH CONVENTIONAL DIFFERENTIAL LEVELING TECHNIQUES.
7. UNDERGROUND IMPROVEMENTS OR UTILITIES WERE NOT LOCATED AS PART OF THIS SURVEY AND SHOULD BE FIELD VERIFIED PRIOR TO ANY DREDGING AND/OR CONSTRUCTION.
8. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF THE SURVEY ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THE TIME.
9. IMAGES SHOWN HEREON WERE PROVIDED BY THE UNITED STATES ARMY CORPS OF ENGINEERS.
10. REFER TO FIELD BOOK NUMBER 2002 DADE COUNTY
    NO. 467
    NO. 468
    NO. 469
    NO. 470
    NO. 471
11. REFER TO RAW FIELD DATA:
    A. ADP COMPUTER FILES: C209S1-C209S15.DGN
    B. RTK DATA COLLECTOR FILE 3207-DC

GENERAL NOTES:

1. NO RAILROAD RIGHT-OF-WAY SHALL BE ENTERED UPON IN THE PROSECUTION OF ANY AND ALL WORK UNDER THIS CONTRACT WITHOUT THE CONTRACTOR FIRST OBTAINING THE WRITTEN APPROVAL OF A RESPONSIBLE OFFICIAL OF THE RAILROAD AND PRESENTING IT TO THE CONTRACTING OFFICER FOR APPROVAL. PUBLIC RAILROAD CROSSINGS. FREIGHT DEPOTS. YARDS. ETC.. ENTERED FOR THE PURPOSES OF RECEIVING OR SHIPPING GOODS AND MATERIALS OR RAILROAD LANDS WITHIN THE CONSTRUCTION LANDS SHOWN IN THE CONTRACT DRAWINGS. ARE EXEMPT FROM THE FOREGOING PROVISIONS.
2. THE AERIAL PHOTOGRAPHY IS PRESENTED FOR GENERAL INFORMATION ONLY AND WAS FLOWN ON 1 SEPTEMBER 1999. UNDER SURVEY NO. 99-173.
3. THE LOCATION OF SEAGRASS WAS DETERMINED BY FIELD VERIFICATION BY DEPARTMENT OF ENVIRONMENTAL RESOURCE MANAGEMENT DURING FEBRUARY 2001.
4. EXISTING VEGETATION WILL NOT BE COVERED BY FILL.

VERTICAL DATUM DIAGRAM

LEGEND:

EXISTING GROIN

NEW GROIN

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

Revision | Description | Date | Initials

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

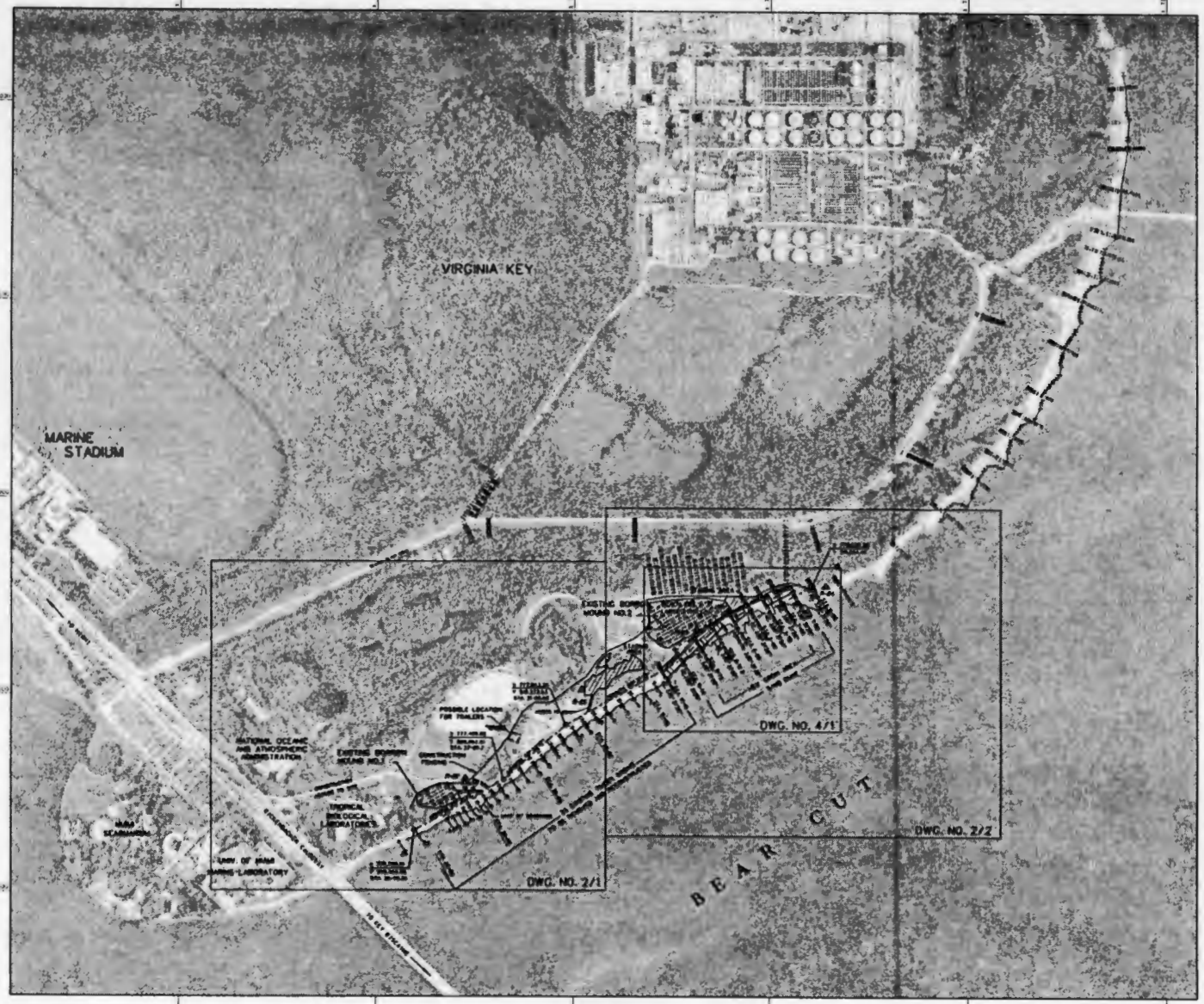
Contract No. DACW17-02-C-0003
Date: 23 JUL 2002
Scale: AS SHOWN
Designed by: G.D.H.
Drawn by: G.D.H.
Checked by: G.J.M.
Approved by: R.W.B.
Date: R.W.B.
Date: R.W.B.

Issue FEBRUARY 2002
D.O.FILE NO. 24-38.277

VIRGINIA KEY
DADE COUNTY, FLORIDA
SHORELINE STABILIZATION PROJECT
GENERAL
INDEX AND LOCATION MAP

DRAWING NO.
1/1

.../contract/vkrp101.dgn 03/26/2003 01:25:15 PM



US Army Corps of Engineers
Jacksonville District

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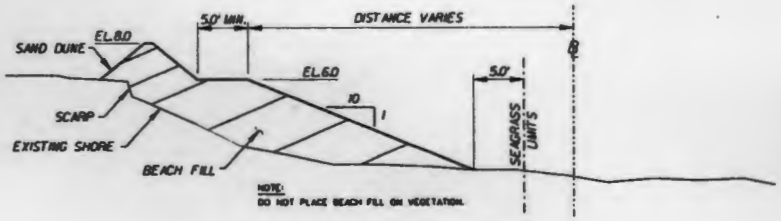
DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

D.O.F FILE NO. 24-38.277

VIRGINIA KEY
DADE COUNTY, FLORIDA
SHORELINE STABILIZATION PROJECT
GENERAL
PROJECT LAYOUT

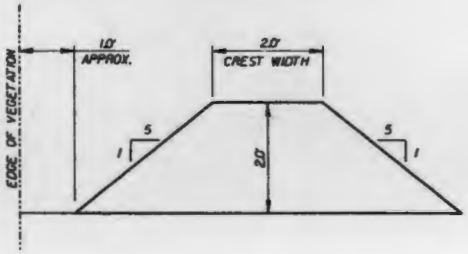
DRAWING NO
1/2

.../contract/vkrp102.dgn 03/26/2003 01:25:53 PM



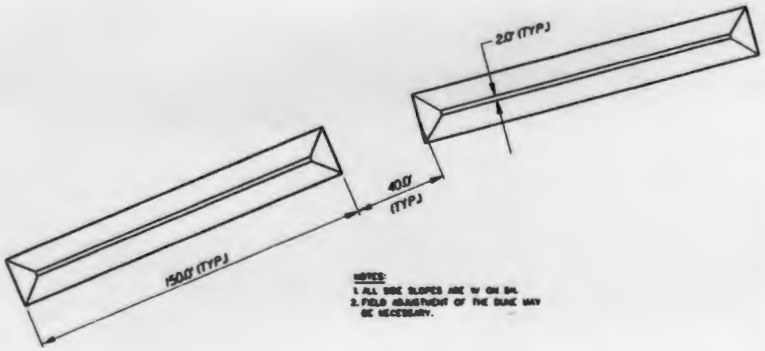
BEACH FILL - TYPICAL SECTION

N.T.S.



DUNE SECTION

N.T.S.



NOTES:
1. ALL SIDE SLOPES ARE 1V ON 5H.
2. FIELD ADJUSTMENT OF THE DUNE MAY BE NECESSARY.

DUNE SEGMENT PLAN (TYPICAL)

N.T.S.

CONTROL MONUMENTS			
NO.	COORDINATES X	COORDINATES Y	ELEVATION NGVD 1929
R-84	779,627.38	511,328.63	5.08
R-85	778,843.66	511,000.51	5.71
R-86	778,085.30	510,530.86	3.36
R-87	777,177.76	509,880.83	5.36

BASELINE			
P.I.	COORDINATES X	COORDINATES Y	STATIONS
1	779,820.75	512,334.41	0+00
2	777,843.24	510,373.53	21+56.07
3	777,488.62	508,032.61	27+88.70
4	776,790.13	500,048.58	35+79.21

GROIN FIELD			
GROIN	STATION	REPLACEMENT WEST APPROXIMATE STATION	REMARKS
A	3+75	NOT APPLICABLE	NEW GROIN
B	6+50	" "	" "
C	9+75	" "	" "
1	13+15	13+30	EXISTING GROIN
2	14+17	14+22	" "
3	15+17	15+22	" "
4	16+11	16+16	" "
5	17+11	17+16	" "
6	18+29	18+34	" "
7	19+28	19+33	" "
8	20+29	20+34	" "
9	21+25	21+30	" "
10	22+46	22+51	" "
11	23+44	23+49	" "
12	24+49	24+54	" "
13	25+37	25+42	" "
14	26+44	26+49	" "
15	27+47	27+52	" "
16	28+42	28+47	" "
17	29+16	29+21	" "
18	29+85	29+90	" "
19	30+49	30+54	" "
20	31+14	31+19	" "
21	31+65	31+70	" "
22	32+17	32+22	" "
23	32+66	32+71	" "
24	33+13	33+18	" "
25	33+64	33+69	" "

BRICKELL OFFSHORE DISPOSAL AREA			
P.I.	COORDINATES X	COORDINATES Y	
A	764,783	518,315	
B	763,998	518,315	
C	763,998	514,535	
D	764,783	514,535	

US Army Corps of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

FEBRUARY 2003

D.O.F. FILE NO. 24-38.277

VIRGINIA KEY
DADE COUNTY, FLORIDA
SHORELINE STABILIZATION PROJECT
GENERAL
CONTROL DATA
AND TYPICAL SECTIONS

DRAWING NO.
1/3

.../constract/vkzp103.dgn 03/26/2003 01:27:16 PM

NOTES:

1. CONSTRUCTION FENCING SHALL TIE INTO EXISTING FENCE
2. SURVEY NOTES ARE SHOWN ON DRAWING NO. 1/1.
3. CONTROL DATA IS SHOWN ON DRAWING NO. 1/3
4. GROIN CONSTRUCTION SHALL BEGIN FROM THE WEST GROIN 25) AND PROCEED EASTWARD
5. FOR ACTUAL LOCATION OF EXISTING AND PROPOSED GROINS SEE DRAWING SERIES 3.

LEGEND:

- EXISTING GROIN
- NEW GROIN
- CORE BORING
- TEST PIT
- STAGING AREA

N

GRAPHIC SCALE

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Revision	Date	Approved

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Date: FEBRUARY 2003
O.S.F. FILE NO. 24-38.277

VIRGINIA KEY
DADE COUNTY, FLORIDA
SHORELINE STABILIZATION PROJECT
PLAN
AERIAL PHOTO PLAN NO.1

DRAWING NO.
2/1

.../contract/vkrp201.dgn 03/26/2003 01:27:53 PM

MATCH LINE DRAWING NO. 2/1

NOTES

1. SURVEY NOTES ARE SHOWN ON DRAWING NO. 1/1
2. CONTROL DATA IS SHOWN ON DRAWING NO. 1/3
3. THE NURSERY AREA WILL BE IN USE BY OTHERS DURING CONSTRUCTION OF THIS PROJECT. THE CONTRACTOR SHALL ALLOW ACCESS TO THE NURSERY AREA THROUGH FENCING OR PLACE CONSTRUCTION FENCING TO NOT PROHIBIT ACCESS.
4. FOR ACTUAL LOCATION OF EXISTING AND PROPOSED GROINS, SEE DRAWING SERIES 3.

LEGEND:

- EXISTING GROIN
- NEW GROIN
- CORE BORING
- TEST PIT
- STAGING AREA

N

GRAPHIC SCALE

100 0 100 200

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

D.O. FILE NO. 24-38,277

VIRGINIA KEY
DADE COUNTY, FLORIDA
SHORELINE STABILIZATION PROJECT
PLAN
AERIAL PHOTO PLAN NO. 2

DRAWING NO
2/2

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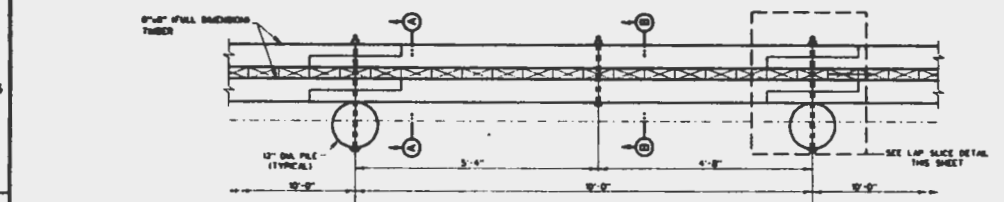
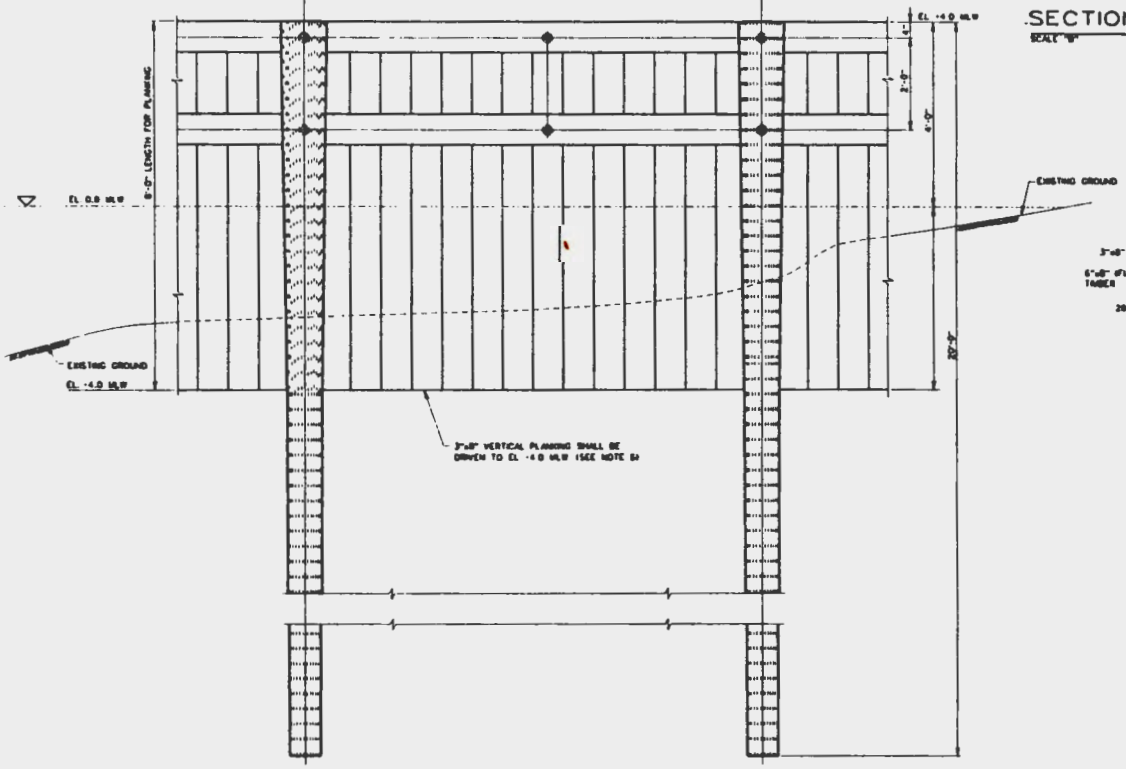
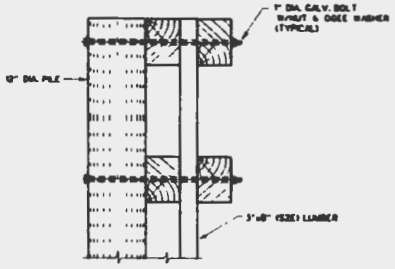


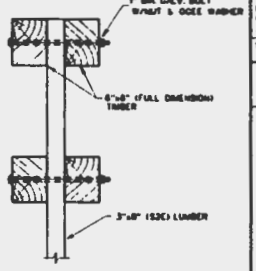
PARTIAL PLAN
SCALE "A"



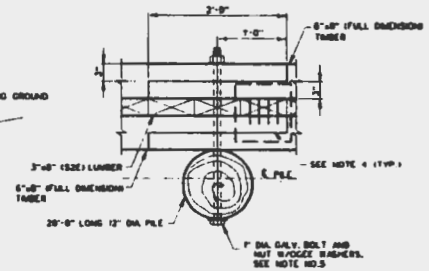
PARTIAL ELEVATION
SCALE "A"



SECTION A-A
SCALE "B"



SECTION B-B
SCALE "B"



LAP SLICE DETAIL
SCALE "B"

NOTES:

1. ALL TIMBER, LUMBER AND PILES SHALL BE BUML TREATED.
2. ALL BOLTS, NUTS, WASHERS, SCREWS, AND NAILS SHALL BE GALVANIZED.
3. PILE DIAMETER SHALL BE A MINIMUM BUTT DIAMETER MEASURED 3' FROM THE BUTT END.
4. USE FOUR 30d GALV. NAILS (ANNULAR OR RING SHANK) TO FASTEN VERTICAL PLANKS THAT ARE NOT BOLTED TO TIMBERS. PREDRILL PILOT HOLES (1/16" LESS THAN NAIL DIAMETER) TO PREVENT SPLITTING. OPTION TO USE THREE 6" LENGTH NO. 12 STEEL SQUARE DRIVE PRODUCTION SCREWS.
5. SEALTITE WASHER HEAD TIMBER BOLT WITH SEALTITE WASHER NUT MAY BE USED INSTEAD OF STD BOLT W/OGEE WASHER AND NUT.
6. PLANKING FOR WALL SHALL BE CONSTRUCTED ON EAST SIDE OF PILES FOR ALL TIMBER GROINS.

GRAPHIC SCALES

"A" 0 1'

"B" 0 1' 2' 3' 4'

US Army Corps of Engineers
Jacksonville District

SAFETY BY THIS JOB REPORTED ON THIS

Revision	Date	Approved

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Date 10
Scale
Drawn
Plot date
Plot scale
Designed by
Checked by
Reviewed by
Approved by
Date of Issue FEBRUARY 2001
S.O./FILE NO. 24-38.277
File name
Contract No.
Sheet of

VIRGINIA KEY
DADE COUNTY, FLORIDA
SHORELINE STABILIZATION PROJECT
TIMBER GROINS
GROIN DETAILS

DRAWING NO.
3/1

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EXISTING TIMBER GROIN FIELD DATA

TIMBER GROIN NO.	TOTAL VISIBLE LENGTH OF GROIN (FT.)	LENGTH OF TIMBER SECTIONS (FT.)	LENGTH OF KINGPILE SECTIONS (FT.)	MAX. DISTANCE INTO SEAGRASS (FT.)	LENGTH OF DAMAGED TIMBER SECTIONS (FT.)	LENGTH OF KINGPILE TO BE REMOVED (FT.)	NUMBER OF KINGPILE TO BE REMOVED (FT.)	LENGTH OF SEAWARD END OF TIMBER GROIN TO BE SHORTENED (FT.)	ADDITIONAL LENGTH ADDED TO LANDWARD END	LENGTH OF TIMBER GROIN TO BE REBUILT (FT.)
TG1	80	80	0	20	40	0	0	20	30	80
TG2	30	30	0	0	30	0	0	0	20	70
TG3	50	50	0	0	30	0	0	0	20	70
TG4 *	50	50	0	0	40	0	0	0	10	80
TG5 *	50	50	0	0	10	0	0	0	10	60
TG6 *	62	50	12	5	20	12	2	0	0	50
TG7 *	74	50	24	5	20	24	3	0	0	50
TG8	50	50	0	10	40	0	0	10	20	60
TG9 *	72	60	12	25	40	12	2	20	20	60
TG10 *	80	80	0	30	40	0	0	30	20	70
TG11 *	72	60	12	30	40	12	2	10	20	70
TG12 *	62	50	12	15	30	12	2	10	20	60
TG13 *	54	30	24	15	10	24	3	0	20	50
TG14	44	20	24	5	0	24	3	(10)	10	40
TG15 *	54	30	24	0	0	24	3	(10)	0	40
TG16 *	44	20	24	0	0	24	3	(10)	0	30
TG17 *	44	20	24	0	0	24	3	(10)	0	30
TG18 *	40	40	0	0	10	0	0	0	0	40
TG19 *	30	30	0	0	10	0	0	0	0	30
TG20	30	30	0	0	10	0	0	0	0	30
TG21	30	30	0	0	10	0	0	0	0	30
TG22	30	30	0	0	10	0	0	0	0	30
TG23	30	30	0	0	10	0	0	0	0	30
TG24	40	40	0	0	20	0	0	0	0	40
TG25	30	30	0	0	10	0	0	0	0	30
TOTALS	1222	1030	192		500	192	28	100	230	1460

NOTE:

1. * DENOTES THAT THE LANDWARD END OF GROIN IS BURIED, AND ADDITIONAL 10 FT. TIMBER SECTIONS MAY EXIST FURTHER LANDWARD.
2. ( ) INDICATES GROINS WHERE TIMBER SECTIONS WILL BE EXTENDED INTO REGIONS WHERE CONCRETE KINGPILE WERE FORMERLY LOCATED.
3. THE MOST SEAWARD PILE OF AN EXISTING GROIN SHOULD SERVE AS A REFERENCE FOR PLACEMENT OF A NEW GROIN.
4. NEW GROINS SHOULD BE ALIGNED PARALLEL TO THE CORRESPONDING EXISTING GROIN.

NEW TIMBER GROINS

TIMBER GROINS NO.	LENGTH OF GROIN (FT.)	ALIGNMENT	BEGINNING POINT
TGA	80	NORMAL TO BASELINE	BEHIND VEGETATION LINE
TGB	100	NORMAL TO BASELINE	BEHIND VEGETATION LINE
TGC	110	NORMAL TO BASELINE	BEHIND VEGETATION LINE
TOTAL	290		

NOTE:

1. ALL 3 NEW TIMBER GROINS ARE NORMAL TO SHORELINE.
2. VEGETATION LINE GENERALLY RUNS ALONG THE SCARP LINE. EACH GROIN ANCHORED INTO THE SCARP BY VARYING AMOUNTS TO PREVENT FLANKING.

US Army Corps of Engineers
Jacksonville District

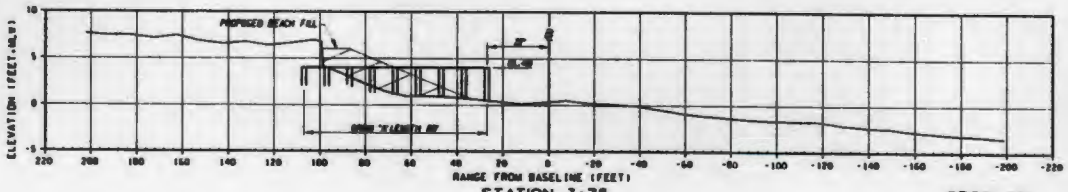
DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Date: FEBRUARY 2003
D.O. FILE NO. 24-38.277

VIRGINIA KEY
DADE COUNTY, FLORIDA
SHORELINE STABILIZATION PROJECT
TIMBER GROINS
GROIN DATA

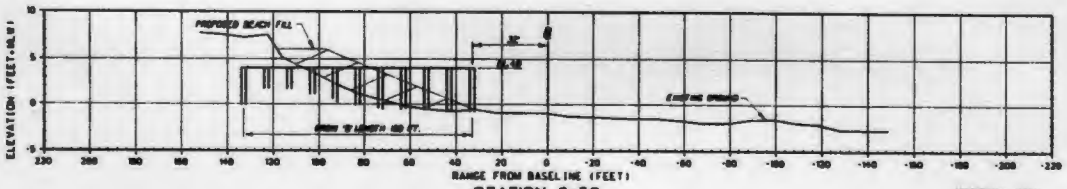
DRAWING NO.
3/2

.../contract/vkrp302.dgn 03/26/2003 01:29:10 PM



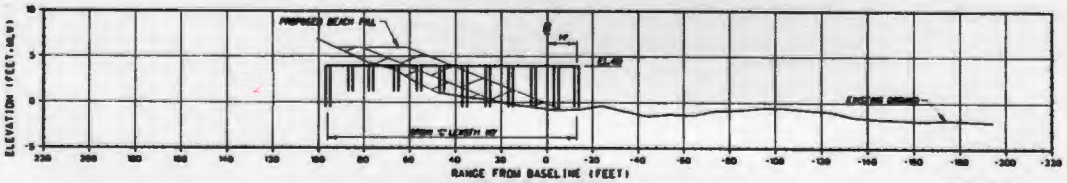
STATION 3+75

GROIN 'A'



STATION 6+50

GROIN 'B'



STATION 9+75

GROIN 'C'

GRAPHIC SCALES

SCALE "H" (HORIZ.)

SCALE "V" (VERT.)

US Army Corps of Engineers
Jacksonville District

SAFETY OF THIS JOB DEPENDS ON YOU

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

S.F. FILE NO. 24-38.277

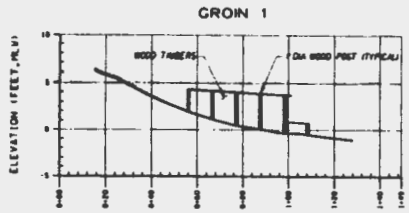
VOLUSIA KEY
DUVAL COUNTY, FLORIDA

SHORELINE STABILIZATION PROJECT

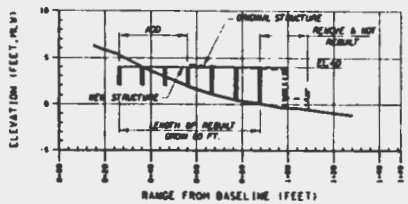
TIMED GROINS
GROINS "A", "B" AND "C"

DRAWING NO
3/3

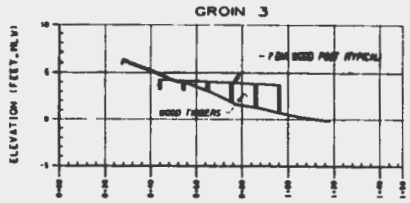
.../contract/vkrp303.dgn 03/26/2003 01:29:38 PM



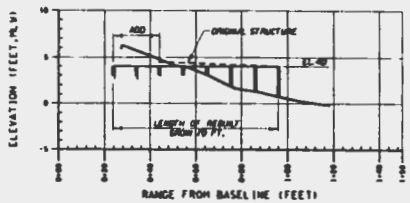
EXISTING CONDITION



PROPOSED



EXISTING CONDITION



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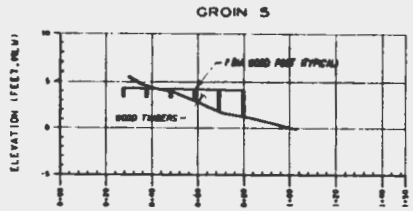

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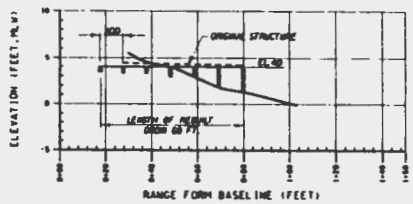

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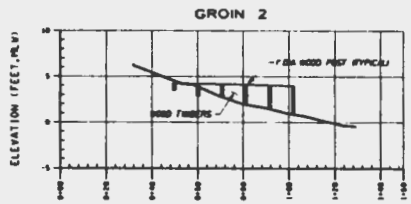

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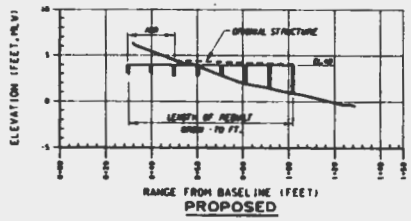

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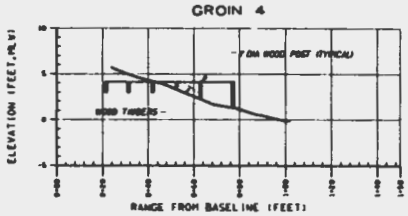

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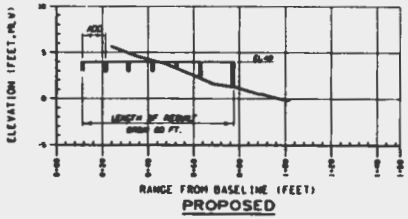

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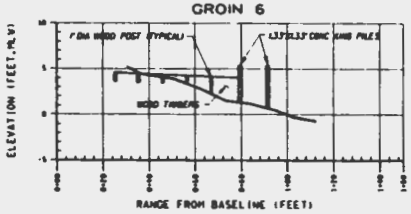
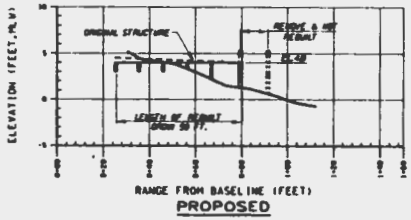


EXISTING CONDITION



PROPOSED

GRAPHIC SCALES

SCALE "A" (HORIZ.) 20 0 20 40

SCALE "B" (VERT.) 1 0 1 2

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Description	Date	Approved

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Designed by
Drawn by
Checked by
Approved by

Date: AS SHOWN

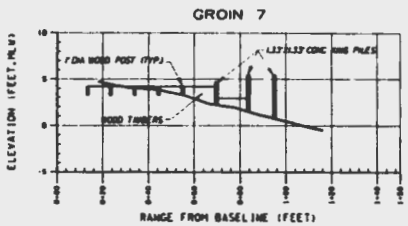
Date: FEBRUARY 2002

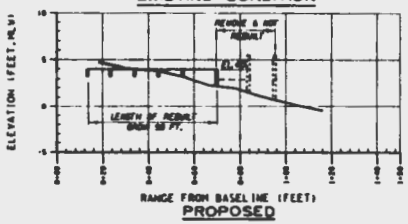
U.S.F.FILE NO. 24-38.277

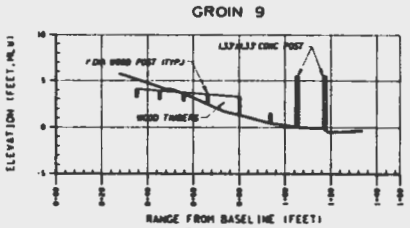
VOLUSIA CNTY
DONE COUNTY, FLORIDA
SHORELINE STABILIZATION PROJECTION
TIMBER GROINS
EXISTING AND PROPOSED PROFILES
GROIN NO.1 THRU NO.6

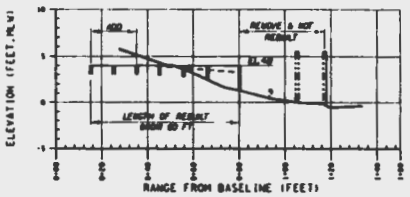
DRAWING NO.
3/4

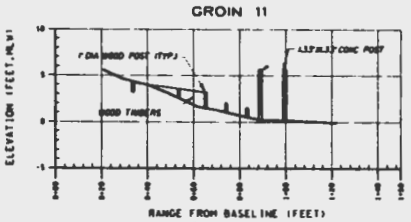
.../contract/vkrp304.dgn 03/26/2003 01:38:01 PM

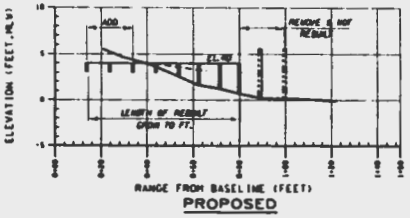


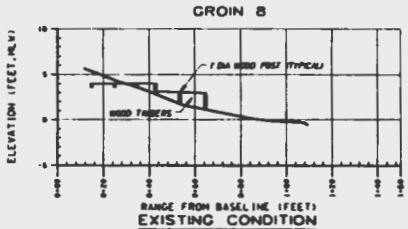


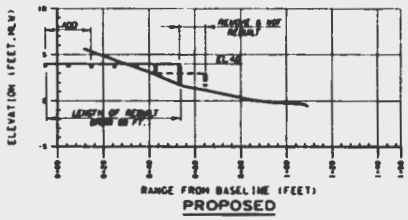


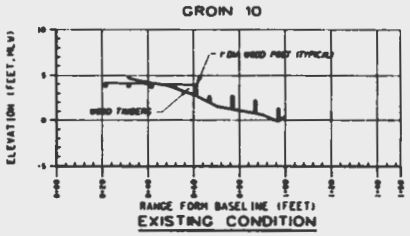


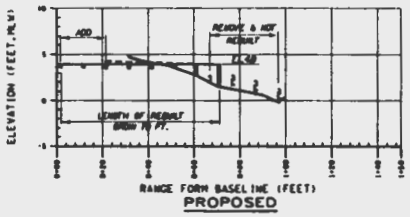


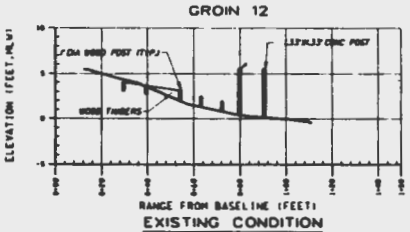


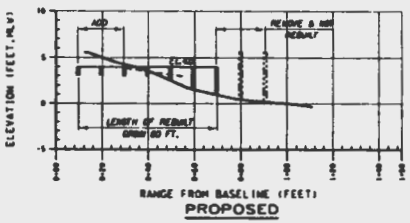












GRAPHIC SCALES

SCALE "A" (HORIZ.)

SCALE "B" (VERT.)

US Army Corps of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

B.O.F. FILE NO. 24-38,277

VIRGINIA KEY
DADE COUNTY, FLORIDA
SHORELINE STABILIZATION PROJECT
TIMBER GROINS
EXISTING AND PROPOSED PROFILES
GROIN NO.7 THRU NO.12

DRAWING NO.
3/5

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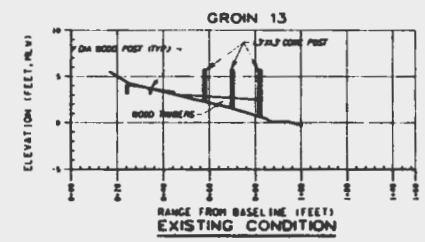
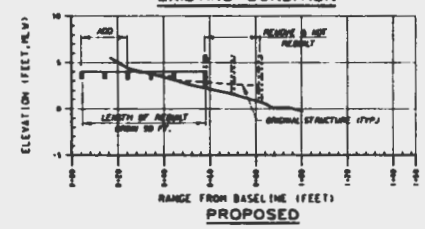
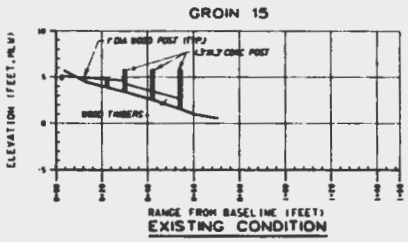
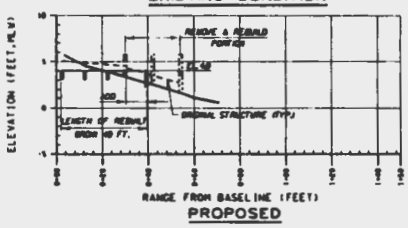
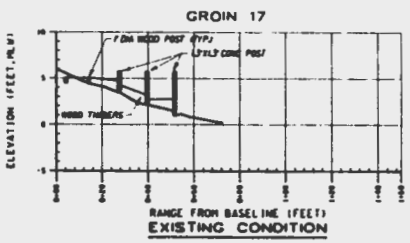
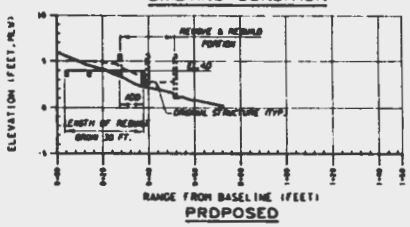


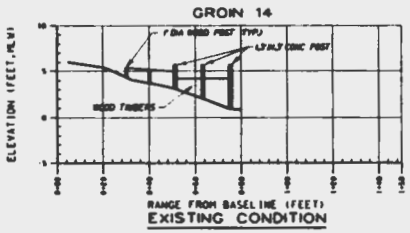


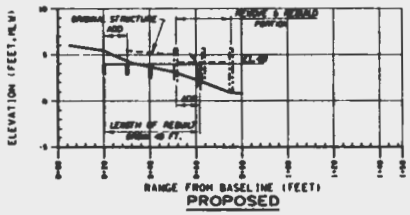


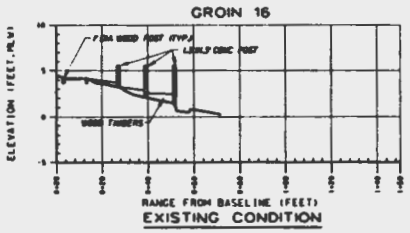


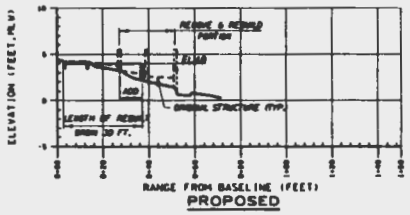


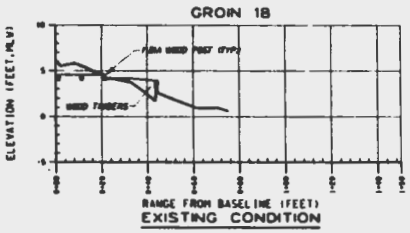


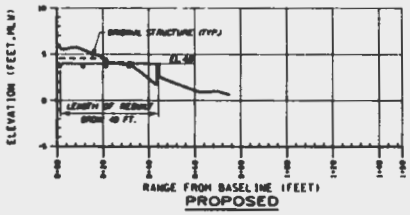












GRAPHIC SCALES

SCALE "A" (HORIZ.) 20 0 20 40

SCALE "B" (VERT.) 2 0 2 4

US Army Corps of Engineers
Jacksonville District

SAFETY OF THIS JOB DEPENDS ON YOU

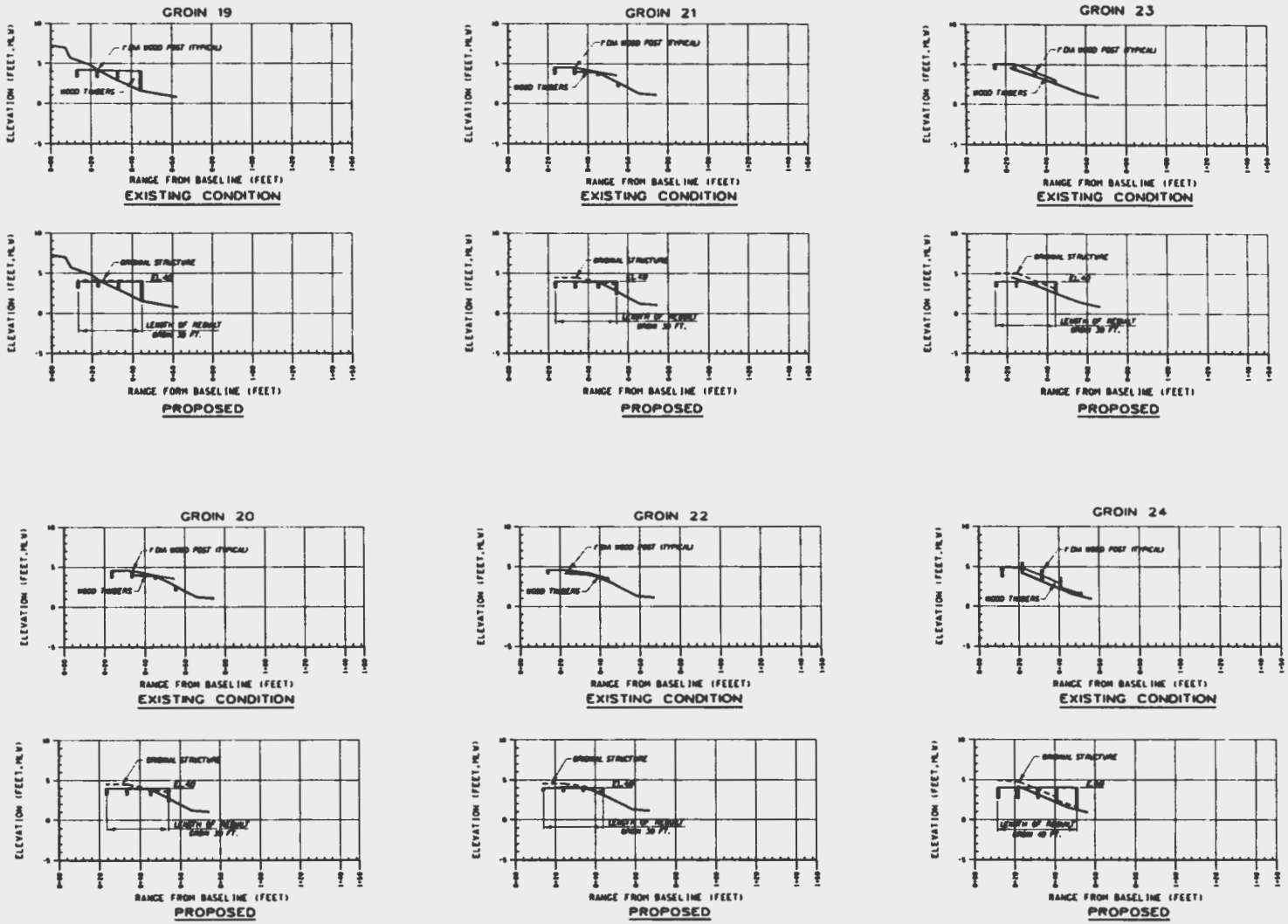
DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

FILE NO. 24-38.277

VIRGINIA KEY
DADE COUNTY, FLORIDA
SHORELINE STABILIZATION PROJECT
TIMBER GROINS
EXISTING AND PROPOSED PROFILES
GROIN NO. 13 THRU NO. 18

DRAWING NO.
3/6

.../contract/vkrp306.dgn 03/26/2003 01:31:03 PM



GRAPHIC SCALES

SCALE "A" (HORIZ.) 20 0 20 40

SCALE "B" (VERT.) 1 0 1 2

US Army Corps of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

VOLUSIA, FLA.
DAYTONA BEACH, FLA.

SHORELINE STABILIZATION PROJECT

TIMBER GROINS
EXISTING AND PROPOSED PROFILES
GROIN NO.19 THRU NO.24

DRAWING NO.
3/7

H.O. FILE NO. 24-38.277

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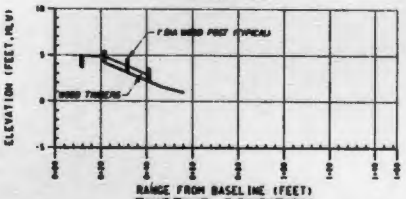
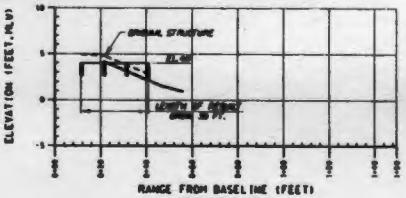
GROIN 25



EXISTING CONDITION



PROPOSED

GRAPHIC SCALES

SCALE "A" (HORIZ.)

SCALE "B" (VERT.)

US Army Corps of Engineers
Jacksonville District

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS

VIRGINIA KEY
DADE COUNTY, FLORIDA
SHORELINE STABILIZATION PROJECT
INDEX DRAWING
EXISTING AND PROPOSED PROFILE
GROIN NO. 25

S.A.F. FILE NO. 24-38.277

DRAWING NO
3/8

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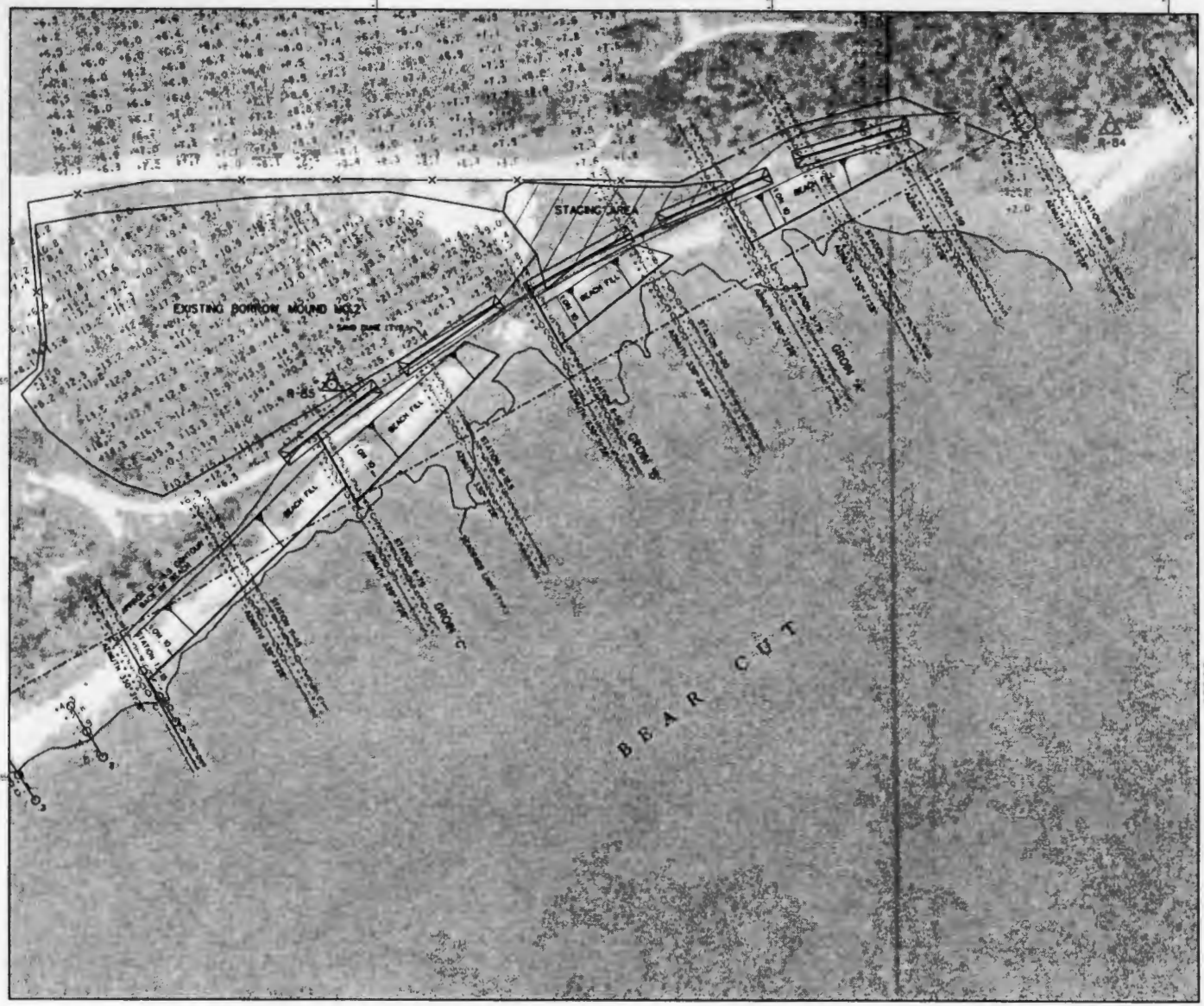


NOTE
SOME FIELD ADJUSTMENT OF THE SAND DUNES MAY BE NECESSARY TO INSURE DUNES ARE CONSTRUCTED ON THE UPLAND EDGE OF BEACH

N

GRAPHIC SCALE

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

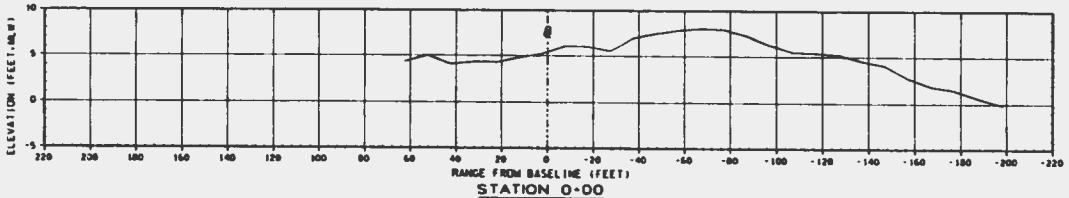
D.O. FILE NO. 74-19.277

VIRGINIA KEY
DADE COUNTY, FLORIDA
SHORELINE STABILIZATION PROJECT
BEACH PROFILES WITH SAND DUNE
BEACH AERIAL PHOTO PLAN

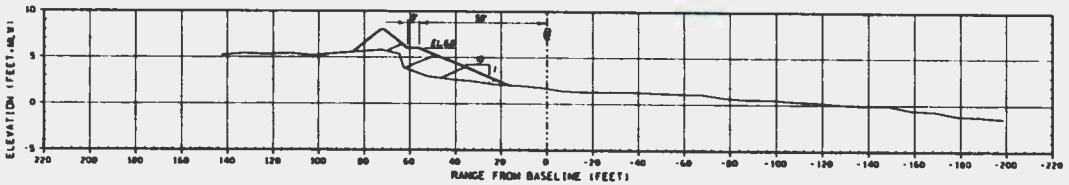
DRAWING NO
4/1

.../contract/vkrp401.dgn 03/26/2003 01:32:49 PM

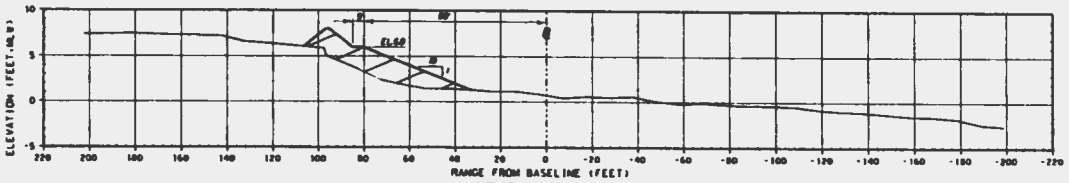
CROSS SECTIONS PROPOSED GROIN AREA



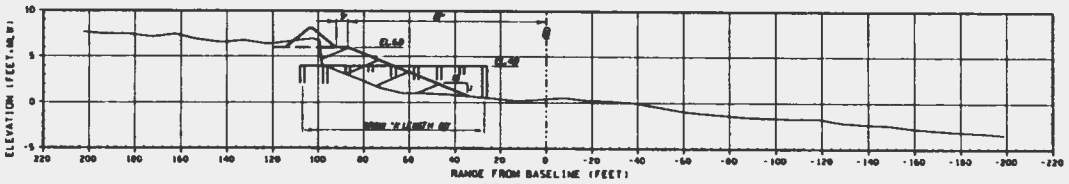
STATION 0+00



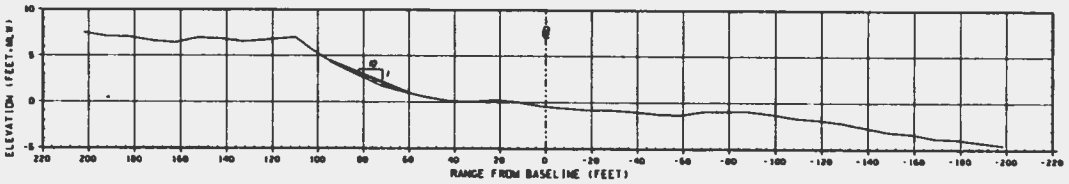
STATION 1+50



STATION 2+60



STATION 3+75



STATION 5+00

GRAPHIC SCALES

SCALE "A" (HORIZ.)

SCALE "B" (VERT.)

NOTES:
1. REFER TO SURVEY NO. 01 209.
2. REFER TO SHEET NO. 1 FOR NOTES.

U.S. Army Corps of Engineers
Jacksonville District

SAFETY BY THIS AND DEPARTS ON THE

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

O.S.P. FILE NO. 24-38.277

VIRGINIA KEY
DADE COUNTY, FLORIDA
SHORELINE STABILIZATION PROJECT
BEACH PROFILES WITH SAND BAR
STA. 0+00 THRU STA. 5+00

DRAWING NO
4/2

.../contract/vkrp402.dgn 03/26/2003 01:33:38 PM

PCL XL error

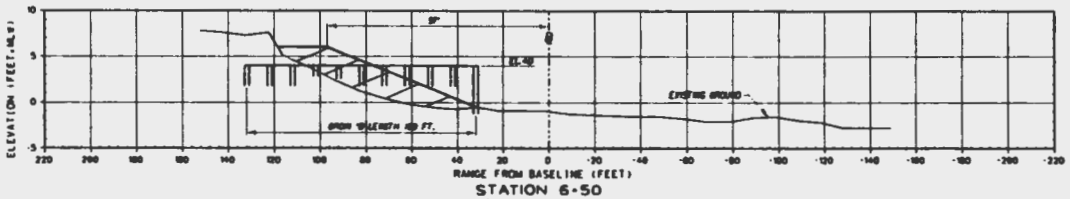
Subsystem: GE

Error: InternalOverflow or InsufficientMemory

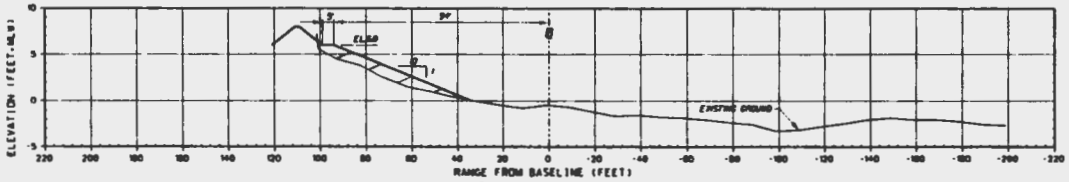
Operator: LineRelPath

Position: 1260631

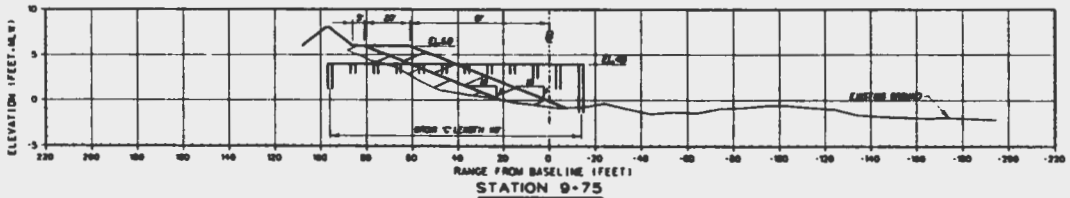
CROSS SECTIONS PROPOSED GROIN AREA



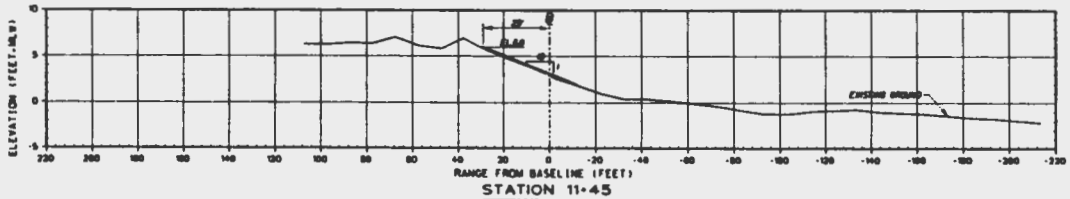
STATION 6+50



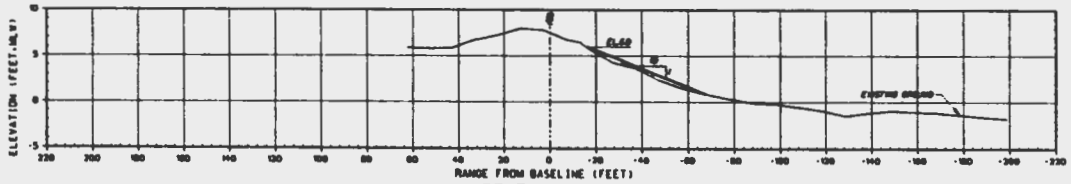
STATION 8+12.5



STATION 9+75



STATION 11+45



STATION 13+15

GRAPHIC SCALES

SCALE "A" (HORIZ.)

SCALE "B" (VERT.)

NOTES:
1. REFER TO SURVEY NO. 01-200.
2. REFER TO SHEET NO. 1 FOR NOTES.

US Army Corps of Engineers
Jacksonville District

SHEETS ON THIS JOB DEPENDS ON THIS

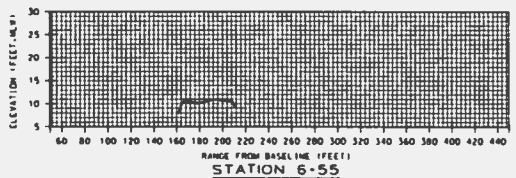
DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Date FEBRUARY 1993
D.A.F FILE NO. 24-38.277

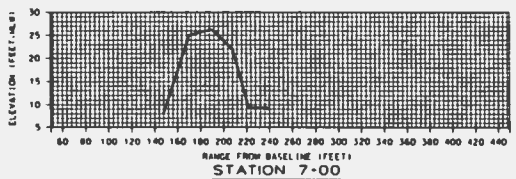
VIRGINIA KEY
DADE COUNTY, FLORIDA
SHORELINE STABILIZATION PROJECT
BEACH PROFILES WITH SAND DUNE
STA. 0+00 THRU STA. 13+15

DRAWING NO.
4/3

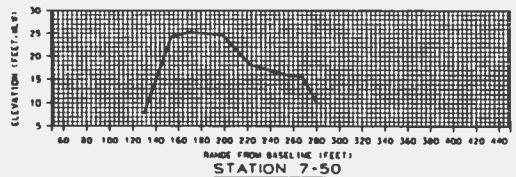
.../contract/vkrp403.dgn 03/26/2003 01:36:06 PM



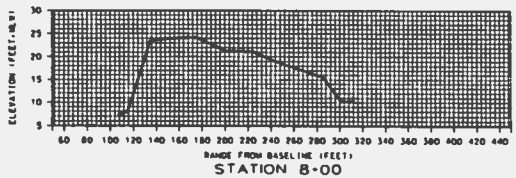
STATION 6-55



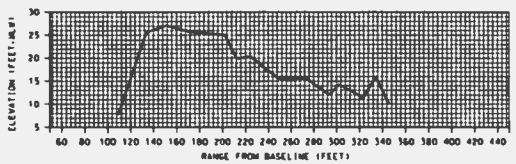
STATION 7-00



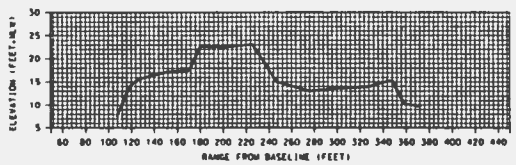
STATION 7-50



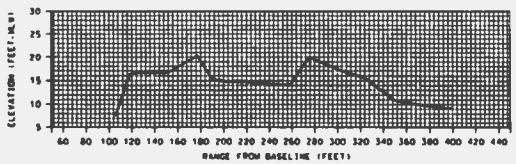
STATION 8-00



STATION 8-50

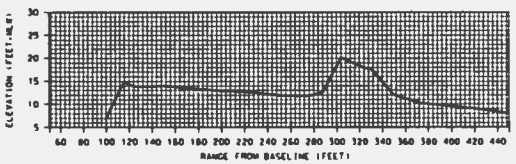


STATION 9-00

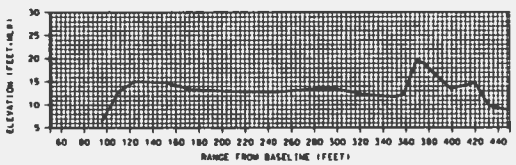


STATION 9-50

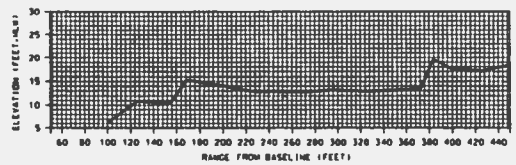
STATION 10-00



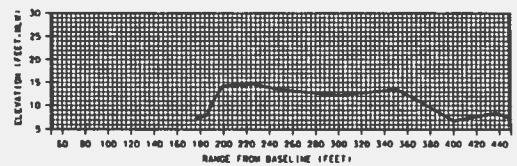
STATION 10-50



STATION 11-00



STATION 11-50



STATION 12-00

GRAPHIC SCALES

SCALE "A" (HORIZ.) 40 0 40 80

SCALE "B" (VERT.) 10 0 10 20

NOTES:
1. REFER TO SURVEY NO. 1-1 295.
2. REFER TO SHEET NO. 1 FOR NOTES.
3. SEE DWG. NO. 2-1 AND 2-2 FOR STATION LOCATION.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB BEGINS ON YOU

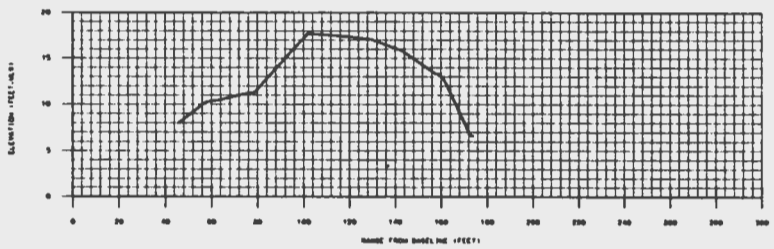
DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Date FEBRUARY 2002
D.O.F. FILE NO. 24-38.277

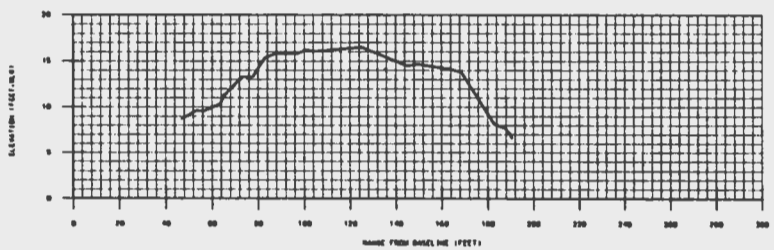
VIRGINIA KEY
DADE COUNTY, FLORIDA
SHORELINE STABILIZATION PROJECT
BORROW AREAS
CROSS SECTIONS BORROW MOUND 2

DRAWING NO.
5/1

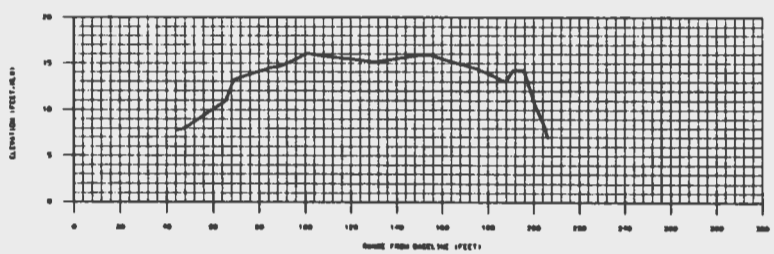
.../contract/vkrp501.dgn 03/26/2003 01:35:22 PM



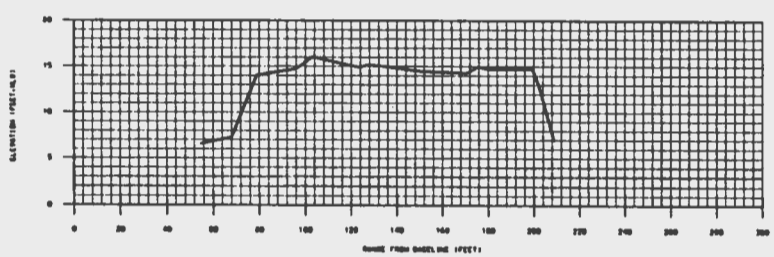
STATION 31+75



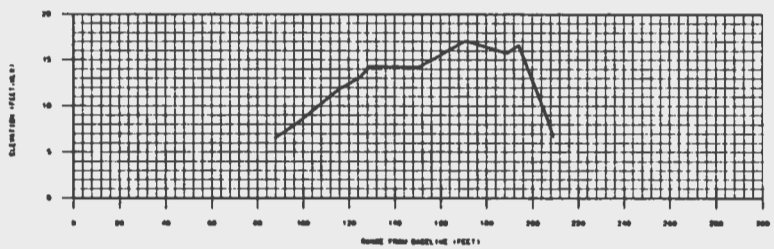
STATION 32+00



STATION 32+50



STATION 33+00



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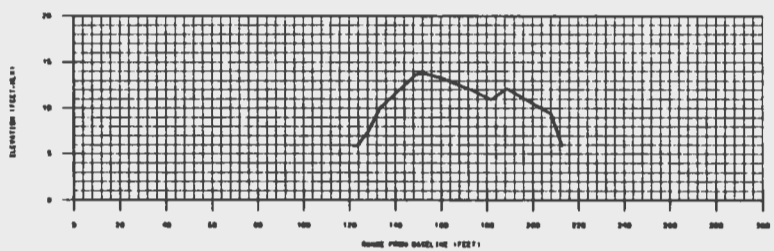
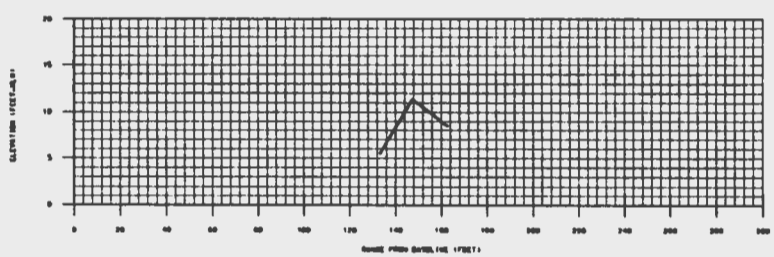


STATION 34+00



STATION 34+20

GRAPHIC SCALES

SCALE "A" (HORIZ.)

SCALE "B" (VERT.)

1. REFER TO SURVEY NO. 01-209.

NOTES:
1. REFER TO SURVEY NO. 01-209.
2. REFER TO SHEET NO. 1 FOR NOTES.
3. SEE DWG. NO. 2/1 AND 2/2 FOR STATION LOCATION.

US Army Corps of Engineers
Jacksonville District

SAFETY OF THIS JOB DEPENDS ON YOU

No.	Revision	Date	Approved

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Designed by: N.A.D. | Dwn by: N.A.D. | Chk by: N.A.D. | Dwn by: | Chk by: | Dwn by: | Chk by: | Dwn by: G.S. SMITH

Date: FEBRUARY 2003

N.S.F. FILE NO. 24-38.277

VIRGINIA KEY
DADE COUNTY, FLORIDA
SHORELINE STABILIZATION PROJECT
BORROW AREAS
CROSS SECTIONS BORROW MOUND 1

DRAWING NO.
5/2

.../contract/vkrp502.dgn 03/26/2003 01:36:07 PM