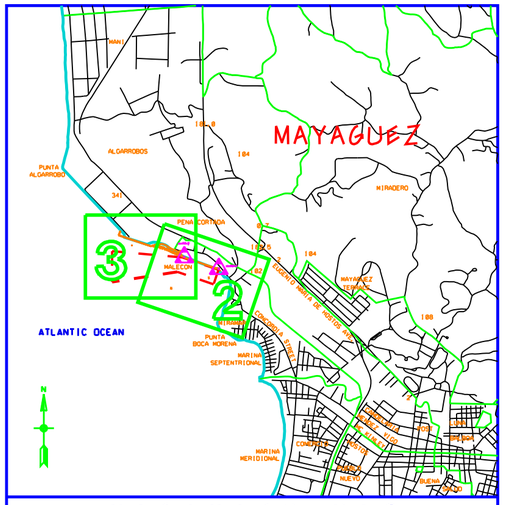
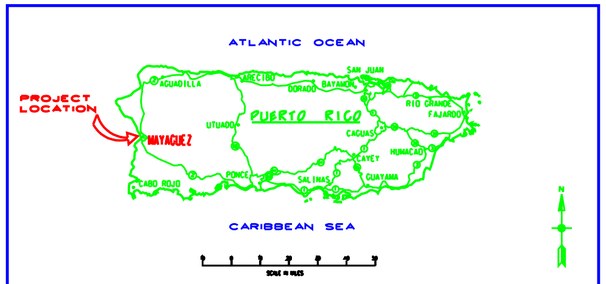
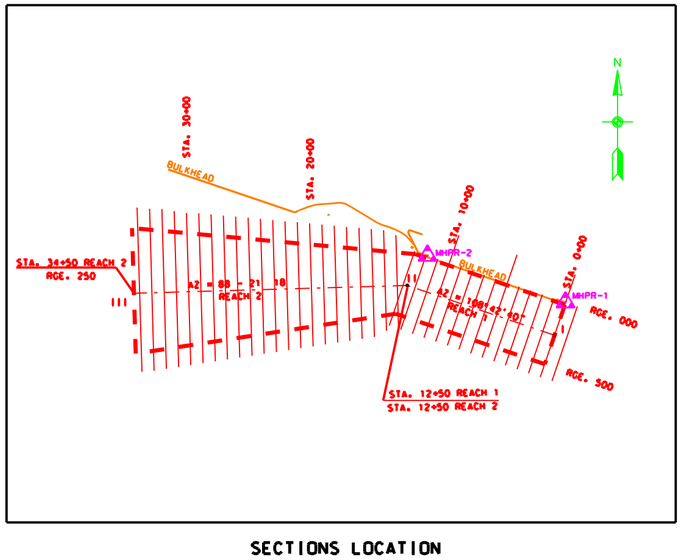


VICINITY MAP
NOT TO SCALE



LOCATION MAP

MAYAGUEZ HARBOR
MAYAGUEZ, PUERTO RICO
PROJECT CONDITION SURVEY



SECTIONS LOCATION

BENCHMARKS	NGVD ELEV. (FT)	PLANE COORDINATES	
		X	Y
MHPR-1	6.16	404,348.78	796,247.28
MHPR-2	N/A	403,224.72	796,627.98

RELATIONSHIP BETWEEN NGVD 1929 AND MEAN LOW WATER

LEGEND	
+BM	BENCHMARK
	LIGHTED BEACON
	GREEN DAYBEACON
	RED DAYBEACON
	RED LIGHTED BUOY
	GREEN LIGHTED BUOY
	CAN BUOY
	NUN BUOY
	TIDE STAFF

SURVEY NOTES:

1. REFER TO SURVEY NO. 04-033.
2. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOW WATER (MLW) WHICH IS 0.55 FEET BELOW NGVD 1929.
3. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (-) SIGN.
4. TIDAL REDUCTIONS WERE MADE FROM A STAFF SET IN THE VICINITY OF. AND REFERENCED FROM BENCHMARK "MHPR-1".
5. PLANE COORDINATES ARE BASED ON THE LAMBERT CONIC PROJECTION FOR THE NORTH ZONE OF PUERTO RICO AND THE U.S. VIRGIN ISLANDS AND REFERENCED TO NORTH AMERICAN DATUM OF 1983/86 (NAD83/86).
6. ALL AZIMUTHS ARE GRID: RECKONED CLOCKWISE FROM SOUTH.
7. ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
8. SURVEY WAS PERFORMED USING DIFFERENTIAL GPS FOR POSITIONING AND UTILIZING THE USCG NAVBEACON SYSTEM AT ISABELA, PUERTO RICO AS THE REFERENCE SITE. VERTICAL MEASUREMENTS WERE MADE USING AN ODOM ECHOTRAC OF 3200 MK II DEPTH RECORDER WITH A 200KHZ (HIGH FREQUENCY) TRANSDUCER.

VESSEL	DATE OF SURVEY	CUT
RUDITA	26 MAR 2004	REACH 1 & 2

9. AIDS TO NAVIGATION WERE LOCATED DURING THIS SURVEY.
10. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED ABOVE AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS AT THAT TIME. THIS CHART IS SOLELY FOR THE DISTRIBUTION OF AVAILABLE DEPTHS AT THE TIME OF THE SURVEY AND IS NOT TO BE USED FOR NAVIGATION.
11. SURVEY ACCURACY PERFORMANCE STANDARDS, QUALITY CONTROL, AND QUALITY ASSURANCE REQUIREMENTS WERE FOLLOWED DURING THIS SURVEY IN ACCORDANCE WITH USACE EM 1110-2-1003, HYDROGRAPHIC SURVEYING, 1 JAN 02.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description	Approved

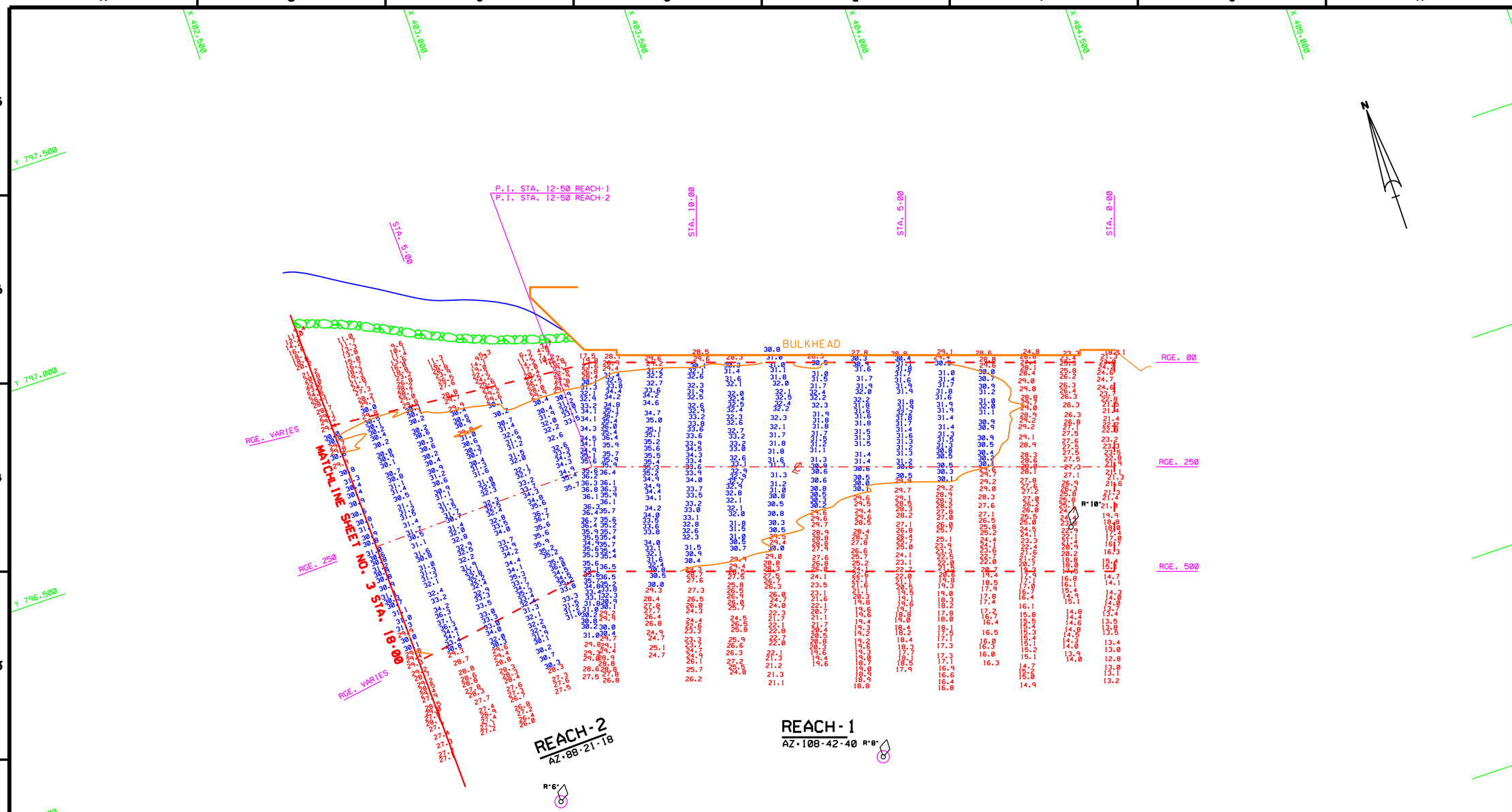
DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Inv. No. CACW17-XX-X-XXXX
Dsign XX XXX XXXX
Scale: AS SHOWN
Plot date: XX XX XXXX
Plot scale: XXX
Designed by: WRBJ
Dwn by: PES
Ckd by: WRBJ
Date: APR 2004
D.O.FILE NO. XXX-XX.XXX
File name: F035940.DGN
Reference files: BRDRSB.DGN

MAYAGUEZ, PUERTO RICO
MAYAGUEZ HARBOR
PROJECT CONDITION SURVEY
30-FOOT PROJECT
LOCATION AND VICINITY MAP
COVER SHEET

DRAWING NO.
1/3

SHEET 1 OF 3



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-6 (3/04)	402.748	795.448	20°01'25.91"	66°42'59.39"
LT. BUOY-8 (3/04)	403.513	795.502	20°01'24.48"	66°42'51.37"
BUOY-10 (3/04)	404.115	795.879	20°01'28.22"	66°42'45.07"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 04-033.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description	Approved

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

Inv. No. DACW17-XX-X-XXXX
Dates XX XXX XXXX
Scale: AS SHOWN
Plot date: XX XX XXXX
Plot scale: XXX

Designed by: WRM
Dwn by: PES
Ckd by: WRM

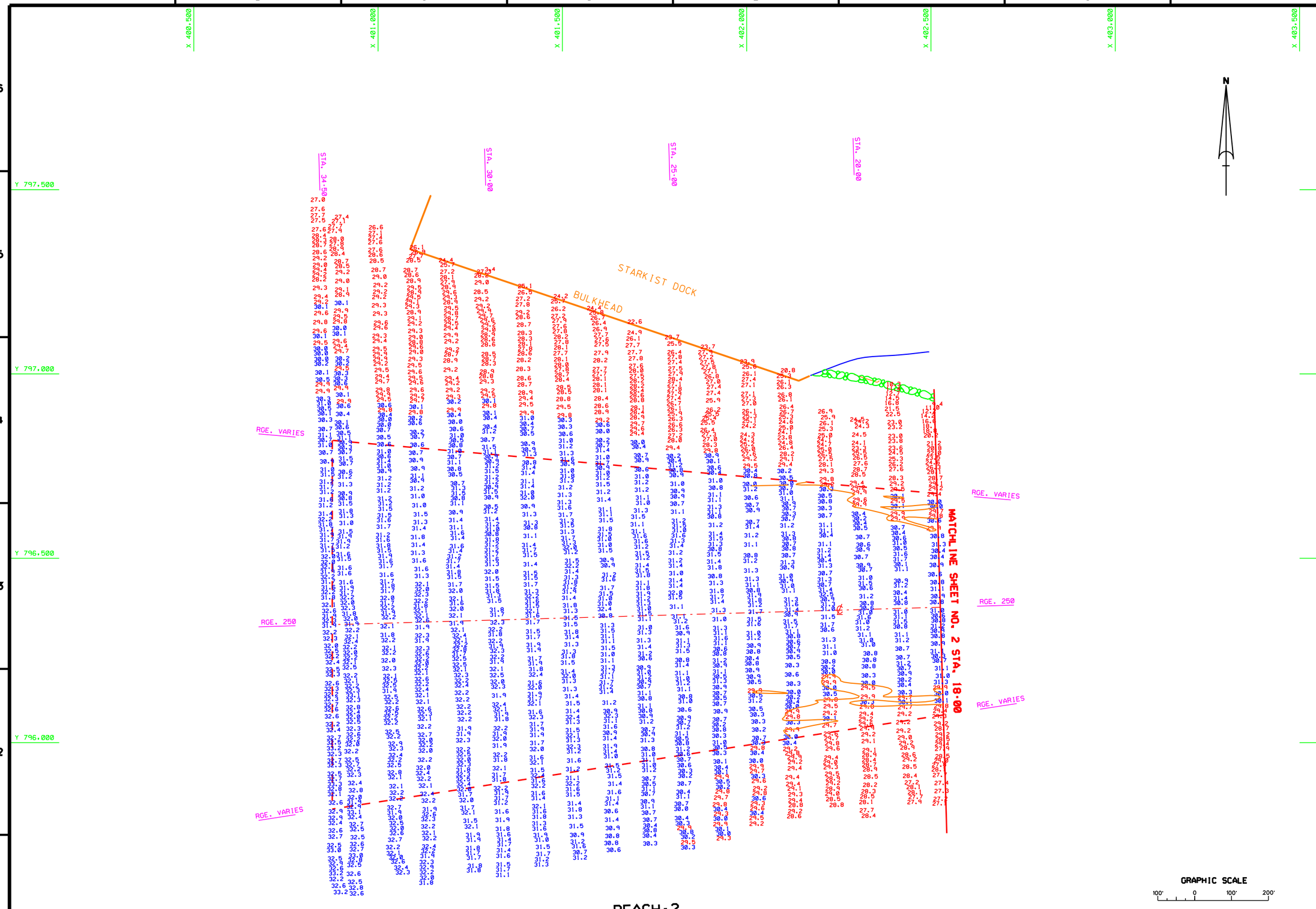
Date: APR 2004
D.O.FILE NO. XXX-XX.XXX

File name: F033SHO2.DGN
Reference files: BROPGB.DGN F033CHAN.DGN F033PLAN.DGN F033R1.DGN F033R2.DGN F033WAV.DGN CONSB.DGN

MAYAGUEZ, PUERTO RICO
MAYAGUEZ HARBOR
PROJECT CONDITION SURVEY
30-FOOT PROJECT
STA. 0+00 REACH-1 THRU STA. 18+00 REACH-2
PLAN

DRAWING NO.
2/3

SHEET 2 OF 3



REACH-2
AZ-88-21-18

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 04-033.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description	Approved

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

Inv. No. DACW17-XX-X-XXXX
Dsign: XX XXX XXXX
Scale: AS SHOWN
Plot date: XX XX XXXX
Plot scale: XX.X
Designed by: Jorge Vega
Dwn by: PES
Ckd by: WRU
Date: APR 2004
D.O.FILE NO. XXX-XX.XXX

File name: F03SW03.DGN
Reference files: BROPSB.DGN F03CHAN.DGN F03PLAN.DGN F03R2.DGN CONSO.DGN

MAYAGUEZ, PUERTO RICO
MAYAGUEZ HARBOR
PROJECT CONDITION SURVEY
30-FOOT PROJECT
STA. 18+00 THRU STA. 34+50 REACH-2
PLAN

DRAWING NO.
3/3

SHEET 3 OF 3