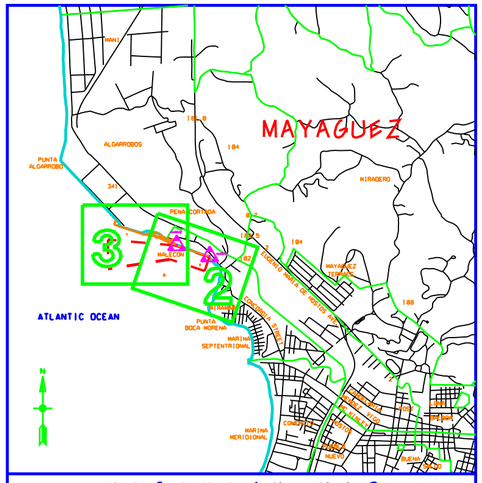
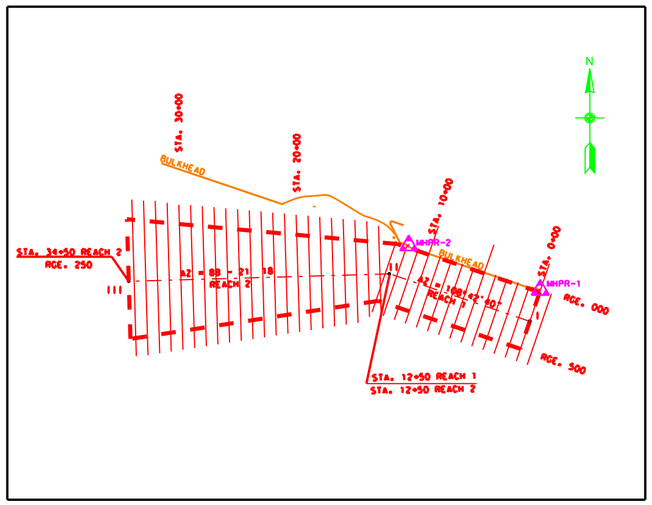


VICINITY MAP
NOT TO SCALE

LOCATION MAP

MAYAGUEZ HARBOR
MAYAGUEZ, PUERTO RICO
PROJECT CONDITION SURVEY



SECTIONS LOCATION

BENCHMARKS	NGVD ELEV. (FT)	PLANE COORDINATES	
		X	Y
MHPR-1	6.16	484.348.78	796.247.28
MHPR-2	N/A	483.224.72	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. 06-071.
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 A KNUDSEN 520M ELECTRONIC DEPTH RECORDER WITH A 200KHZ (HIGH FREQUENCY) TRANSDUCER.

VESSEL	DATE OF SURVEY	CUT
RLDA "RUDA"	21 APR 2006	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	Date	Description	Approved

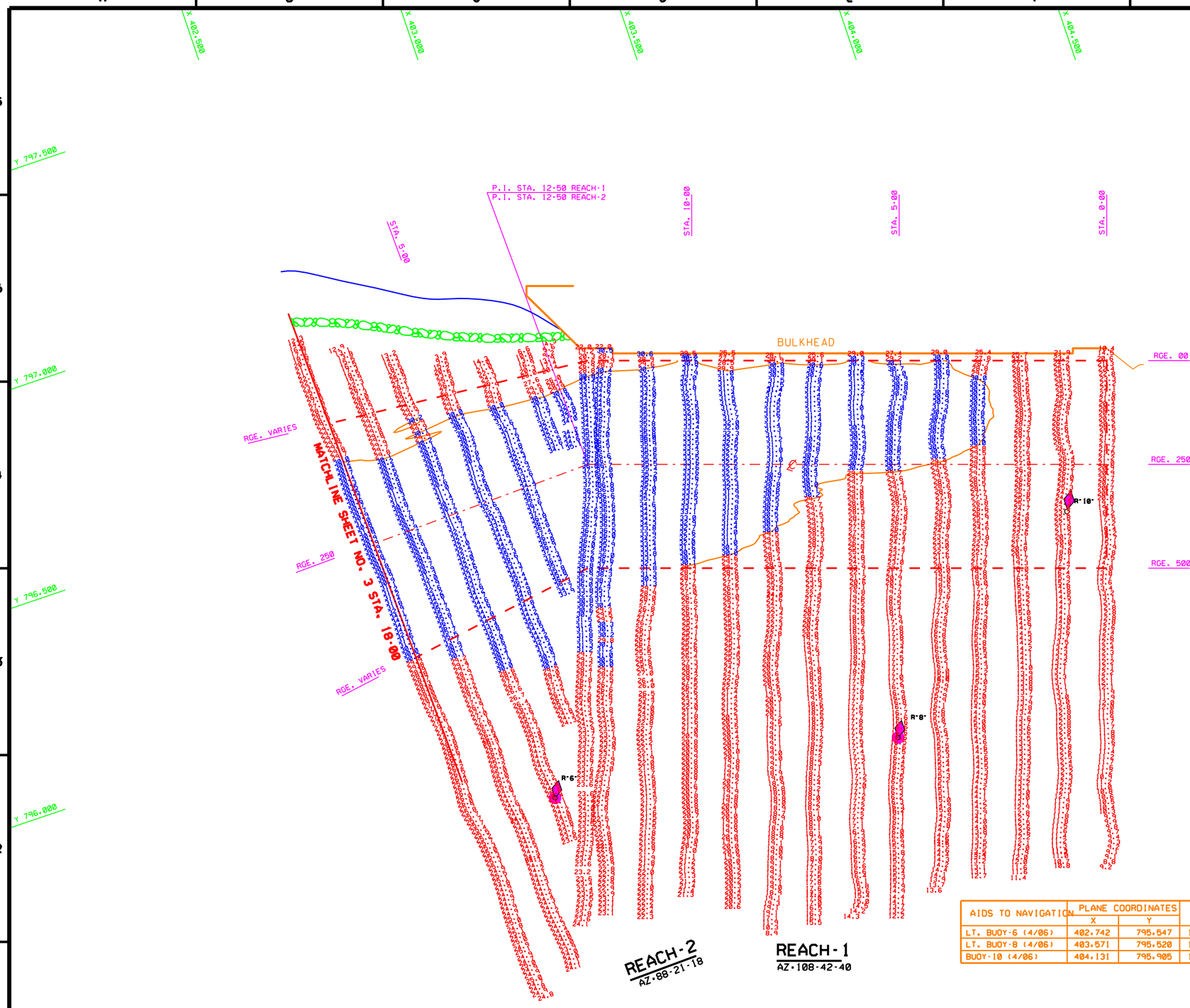
DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Inv. No. DACW17-XX-X-XXXX
Dated: XX XXX XXXX
Designed by: WMJ
Dwn by: KES
Ckd by: WMJ
Scale: AS SHOWN
Plot date: XX XX XXXX
Plot scale: XXX
Dated: APR 2006
D.O. FILE NO. XXX-XX.XXX
File name: 06-071SHOLDCH
Reference files: BROSRS.DCH

MAYAGUEZ HARBOR
MAYAGUEZ, PUERTO RICO
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 (4/06)	402.742	795.547	18°12'57.79"	67°09'48.97"
LT. BUOY-8 (4/06)	403.571	795.520	18°12'56.56"	67°09'40.37"
BUOY-10 (4/06)	404.131	795.905	18°13'00.40"	67°09'34.57"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 06-071.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Date	Description	Approved

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

Inv. No. DACW17-X2-X-XXXX
Dated: XX XXX XXXX
Scale: AS SHOWN
Plot date: XX XX XXXX
Plot scale: XXX

Designed by: WRW
Dwn by: PCS
Ckd by: WRW

Dated: APR 2006

D.O.-FILE NO. XXX-XX.XXX

File name: 06-071SHX2.DGN
Reference files: 2200088.DGN
06-071CHAN.DGN
06-071PLAN.DGN
06-071REL.DGN
06-071TRANS.DGN
CONTOUR.DGN

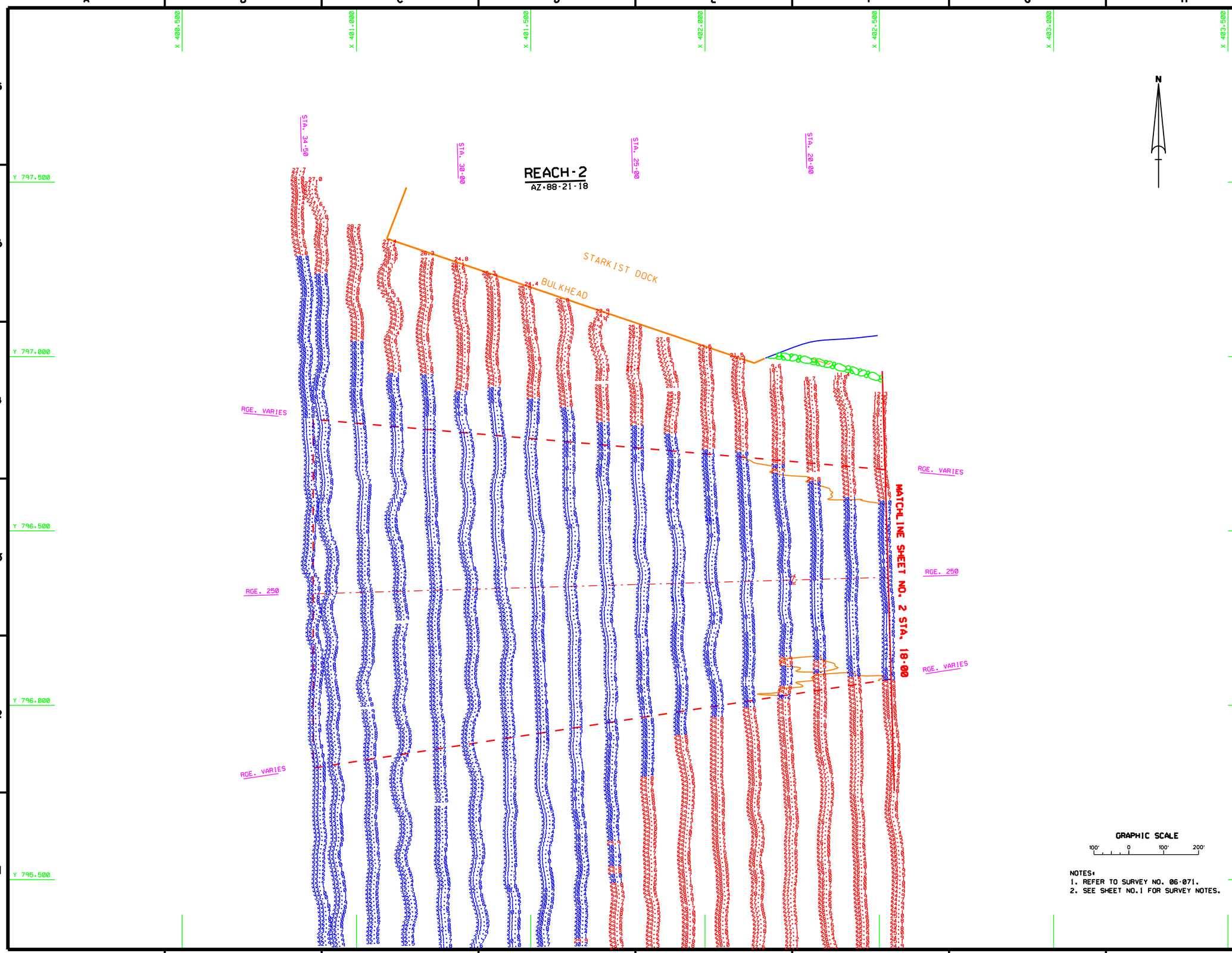
MAYAGUEZ HARBOR
MAYAGUEZ, PUERTO RICO

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



NOTES:
1. REFER TO SURVEY NO. 06-071.
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
Dated: XX XXX XXXX
Scale: AS SHOWN
Plot date: xx xx xxxx
Plot scale: XX:X

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

Dated: APR 2006
D.O. FILE NO. XXX-XX.XXX

File name: 06-071SH03.DGN
Reference files: BRDR98.DGN 06-071CHAN.DGN 06-071PLAN.DGN 06-071R2.DGN CON30.DGN

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

DRAWING NO.
3/3

SHEET 3 OF 3