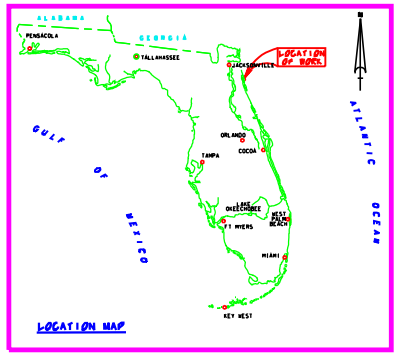
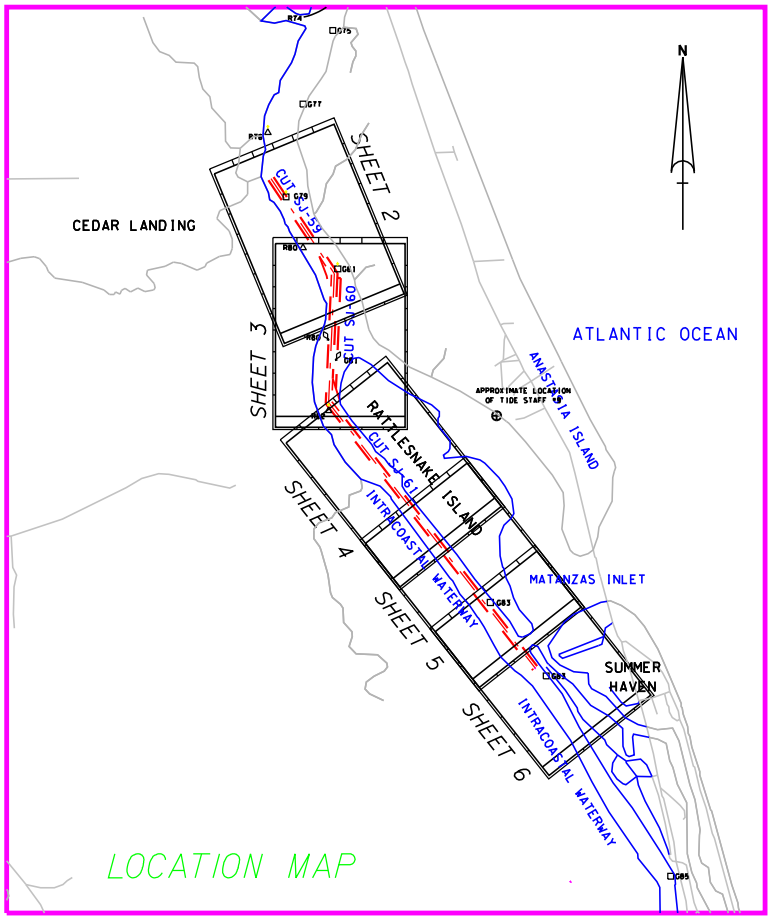
INTRACOASTAL WATERWAY
VICINITY OF MATANZAS INLET
EMERGENCY PROJECT CONDITION SURVEY





SURVEY NOTES:

1. REFER TO SURVEY NO. 06-123.
2. ELEVATIONS ARE IN FEET AND TENTHS AND REFER TO COE MEAN LOW WATER (MLW) WHICH IS 2.2 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 ON A WOODEN PILING AT LT-82, AND REFERENCED FROM BENCHMARK "CEDAR".
5. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE EAST ZONE OF FLORIDA AND REFERENCED TO NORTH AMERICAN DATUM OF 1927 (NAD27).
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 AS THE REFERENCE SITE. VERTICAL MEASUREMENTS WERE MADE USING AN ROSS SMART SOUNDER DEPTH RECORDER WITH A 200KHZ (HIGH FREQUENCY) TRANSDUCER.

VESSEL	DATE OF SURVEY	CUT
WB-34	30 MAY 2006	SJ 59-61

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 SURVEYS, 1 JAN 02.

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

BENCHMARK	NGVD ELEV. (FT)
CEDAR	5.29

NGVD 1929
2.2 feet
M.L.W.

Relationship between NGVD 1929 and COE Mean Low Water

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Revision	Date	Description	Approved

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

File No. GUDEP2-2007-XXXX
Date: XX XXX XXXX
Scale: AS SHOWN
Plot Width: XX.XX XXXX
Plot Height: XXXX

Designed by: RBG
Drawn by: DMB
Chk by: DMB

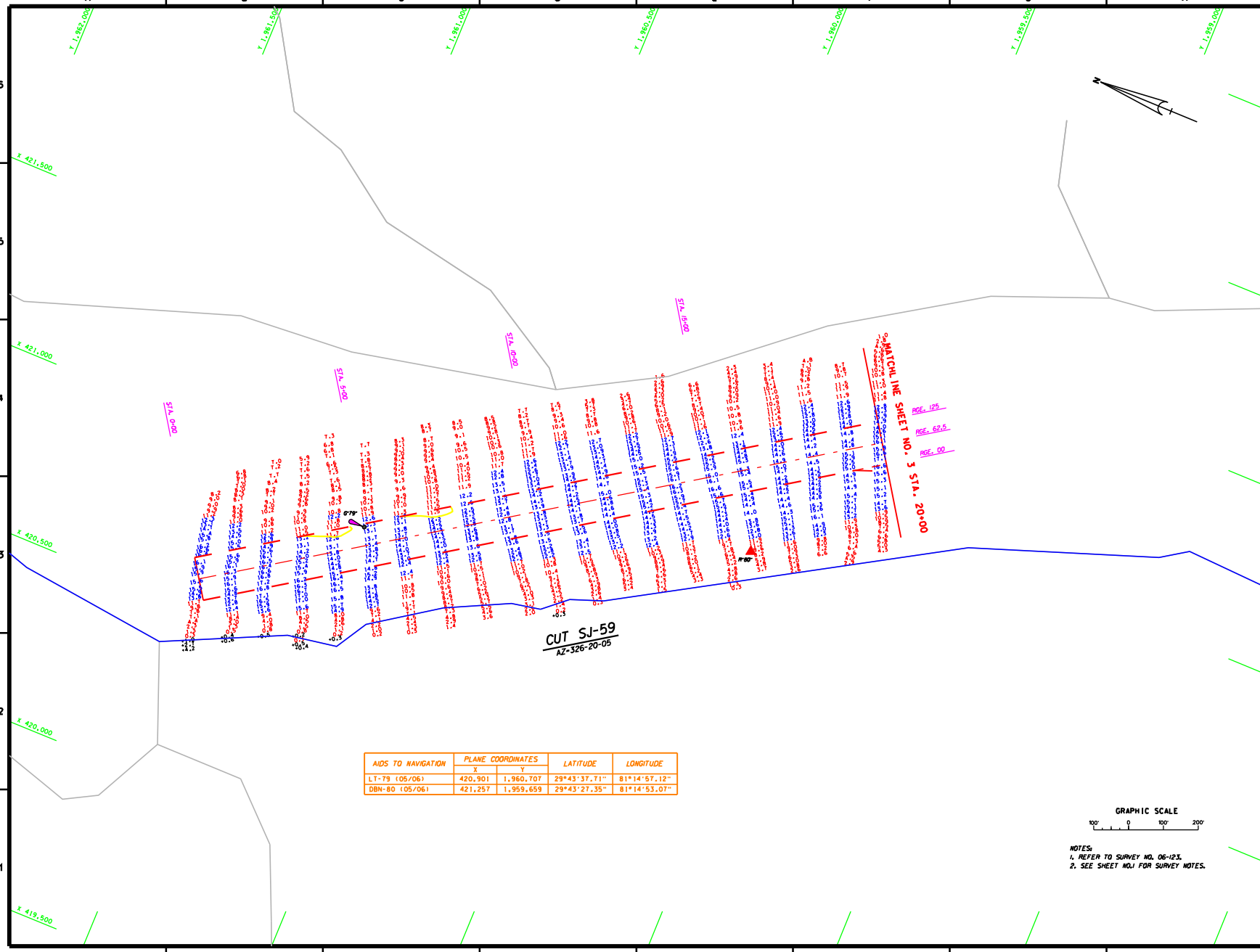
Design: MAY 2006
D.O.F. FILE NO.

File name: COE_SURVEY_GLOCK
Reference files: SBOPRNLOCK
MATLATOLI_LOCK
NEW_CHANLOCK
NEW_MATANZAS
ST_JOHNS_LOCK

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
VICINITY OF MATANZAS INLET
COVER SHEET

DRAWING NO.
1/4

SHEET 1 OF 6



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-79 (05/06)	420,901	1,960,707	29°43'37.71"	81°14'57.12"
DBN-80 (05/06)	421,257	1,959,659	29°43'27.35"	81°14'53.07"

NOTES:
1. REFER TO SURVEY NO. 06-123.
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

Designed by: FBRN
Dwn by: MRW
Ckd by: MRW
Dwn. No. DACW17-XX-X-XXXX
Date: XX XXX XXXX
Scale: AS SHOWN
Plot date: XX XX XXXX
Plot scale: XXXX

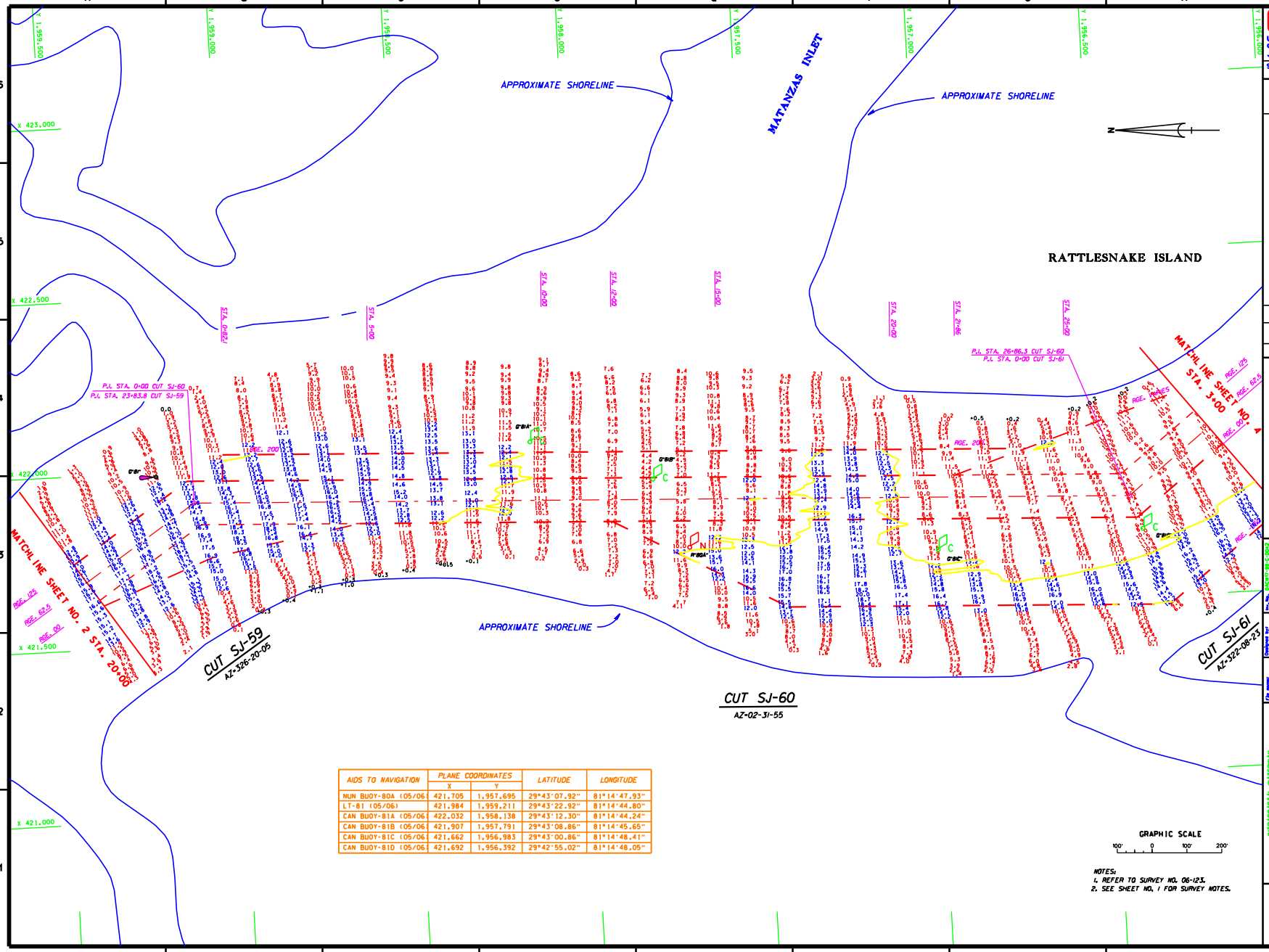
Date: MAY 2006
D.O.FILE NO.

File name: 06-123SH02.DGN
Reference files: BRDR88.DGN
ST-06BASE.DGN
06-123SH0.DGN
06-123MAY.DGN
WW_CHAN.DGN
CONT2.DGN

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
EMERGENCY
PROJECT CONDITION SURVEY
12-FOOT PROJECT
STA. 0+00 THRU STA. 20+00 CUTSJ-59
PLAN

DRAWING NO.
2/4

SHEET 2 OF 6



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
NUN BUOY-80A (05/06)	421,705	1,957,695	29°43'07.92"	81°14'47.93"
LT-81 (05/06)	421,984	1,959,211	29°43'22.92"	81°14'44.80"
CAN BUOY-81A (05/06)	422,032	1,958,138	29°43'12.30"	81°14'44.24"
CAN BUOY-81B (05/06)	421,907	1,957,791	29°43'08.86"	81°14'45.65"
CAN BUOY-81C (05/06)	421,662	1,956,983	29°43'00.86"	81°14'48.41"
CAN BUOY-81D (05/06)	421,692	1,956,392	29°42'55.02"	81°14'48.05"

NOTES:
1. REFER TO SURVEY NO. 06-123.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

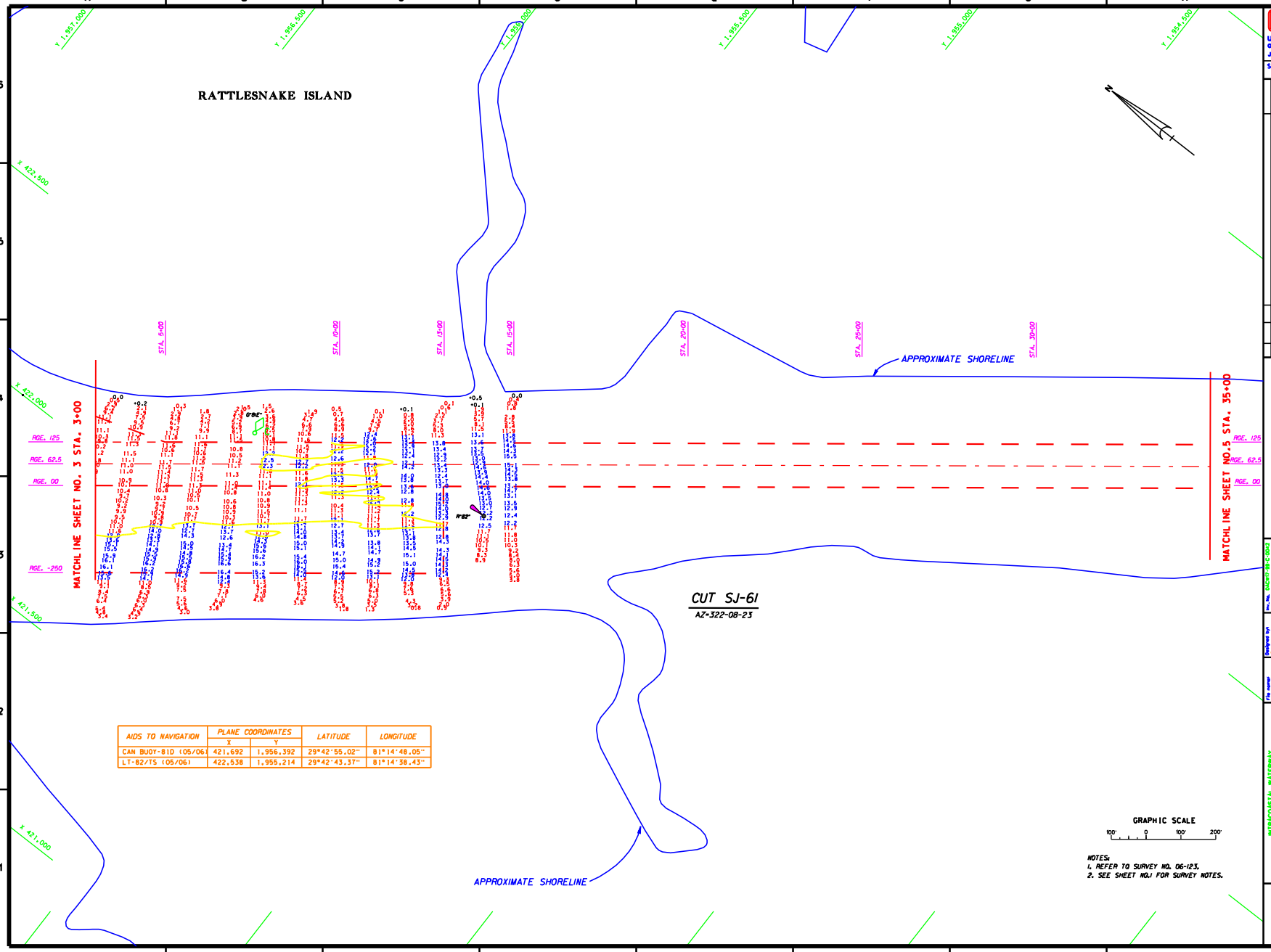
DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Date: JULY 2006
D.O.F. FILE NO.

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
EMERGENCY
PROJECT CONDITION SURVEY
12-FOOT PROJECT
STA. 20+00 CUT SJ-59 THRU STA. 4+00 CUT SJ-61
PLAN

DRAWING NO.
3/4

SHEET 3 OF 6



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
CAN BUOY-81D (05/06)	421,692	1,956,392	29°42'55.02"	81°14'48.05"
LT-82/TS (05/06)	422,538	1,955,214	29°42'43.37"	81°14'38.43"

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

Proj. No. 04CH11.SD.C-0012
Design XX XXX XXXX
Const. XX XXX XXXX
Supervisor AS SHOWN
Plot scale XX XX XXXX
Plot scale XXXX

Designed by RMJ
Drawn by RMJ
Checked by RMJ
Date JULY 2006
D.O.F. FILE NO.

File name 06-123PROL.DGN
Reference files 06-123SUR.DGN
06-123PLAN.DGN
06-123CSS.DGN
06-123MAL.DGN
CONF2.DGN

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
EMERGENCY
PROJECT CONDITION SURVEY
12-FOOT PROJECT
STA. 3+00 THRU STA. 35+00 CUT SJ-61
PLAN

DRAWING NO.
4/4

SHEET 4 OF 6