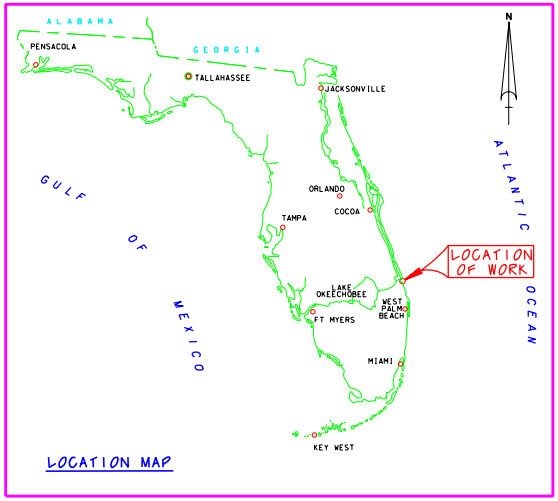
ST. LUCIE INLET
MARTIN COUNTY, FLORIDA
PROJECT CONDITION SURVEY



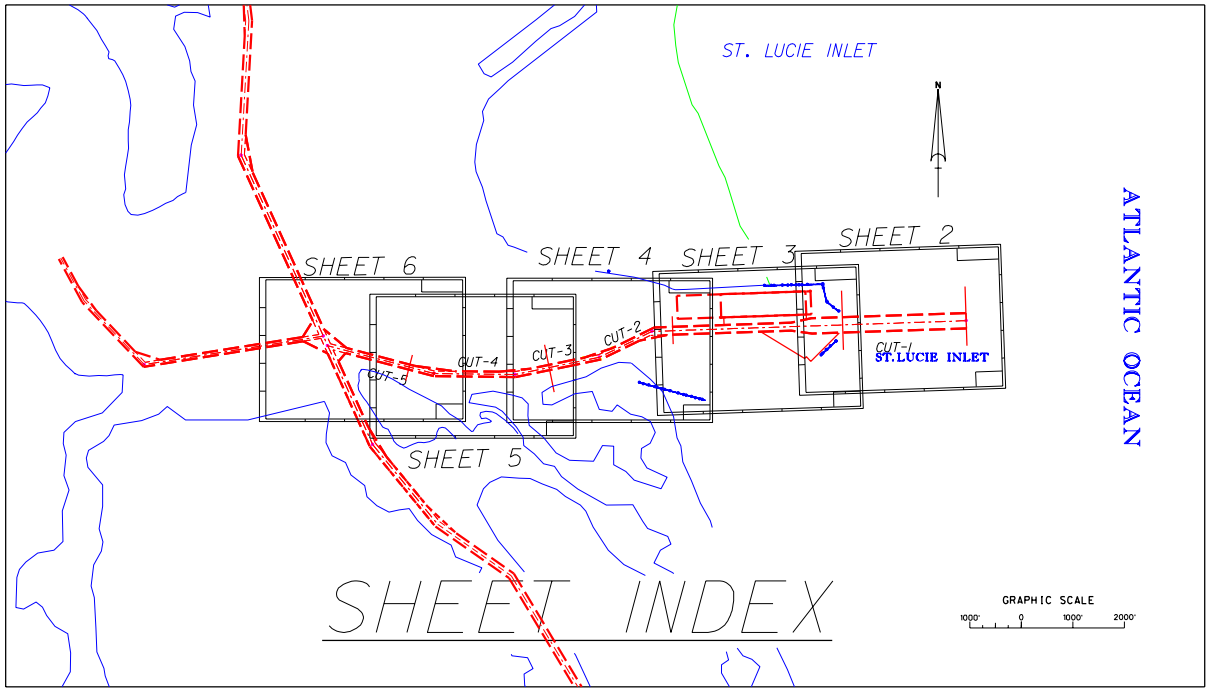
LOCATION MAP

SURVEY NOTES:

1. REFER TO SURVEY NO. 04-041.
2. ELEVATIONS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER (MLLW) WHICH IS 1.14 FEET BELOW NGVD 1929 FOR CUTS 1-3 AND 0.34 FEET BELOW NGVD 1929 FOR CUTS 4-5.
3. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGN.
4. TIDAL REDUCTIONS WERE MADE FROM A STAFF SET ON A RED DAY BEACON PILING IN THE VICINITY OF, AND REFERENCED FROM BENCHMARK "SLI-12".
5. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE EAST ZONE OF FLORIDA AND REFERENCED TO NORTH AMERICAN DATUM OF 1983 (NAD83).
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 A ROSS SMART SOUNDER DEPTH RECORDER WITH A 200KHZ (HIGH FREQUENCY) TRANSDUCER.

VESSEL	DATE OF SURVEY	CUT
WB-34	12 FEB 2004	CUTS 1-5

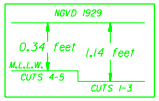
9. AIDS TO NAVIGATION WERE LOCATED DURING THIS SURVEY.
10. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED ABOVE AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS AT THAT TIME. THIS CHART IS SOLELY FOR THE DISTRIBUTION OF AVAILABLE DEPTHS AT THE TIME OF 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.



SHEET INDEX

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

BENCHMARK	NGVD ELEV. (FT)
SLI-12	7.13



Relationship between NGVD 1929 and Mean Lower Low Water Tidal Datum (1960-1978 epoch)

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. DACW17-00-B-0011
Dataset: XX XXX XXXX
Scale: AS SHOWN
Plot date: xx xx xxxx
Plot scale: xx:x

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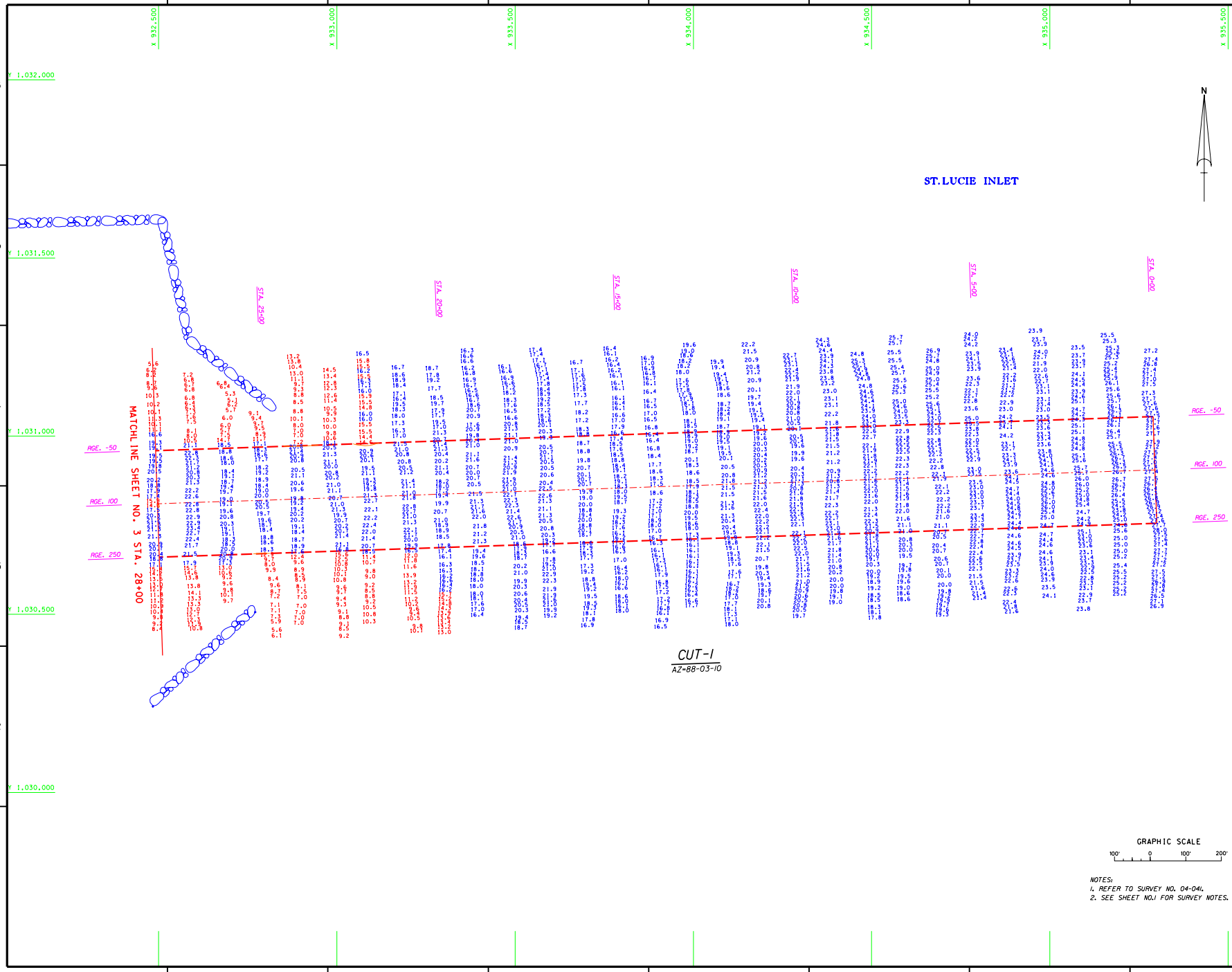
Dated: FEB 2004
D.O.F.FILE NO.

File name: T041SH01.DGN
Reference files: BNDRIES.DGN MHWL01.DGN STLCHNL3.DGN NEWFLMAP.DGN

ST. LUCIE INLET
MARTIN COUNTY, FLORIDA
PROJECT CONDITION SURVEY
7, 10 & 16-FOOT PROJECT
COVER, LOCATION AND INDEX SHEET
PLAN

DRAWING NO.
1/6

SHEET 1 OF 6



NOTES:
1. REFER TO SURVEY NO. 04-041.
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. DACW17-00-B-0011
Dataset XX XXX XXXX
Scale: AS SHOWN
Plot date: XX XX XXXX
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Designed by: RMW
Dwn by: RMW
Ckd by: RMW

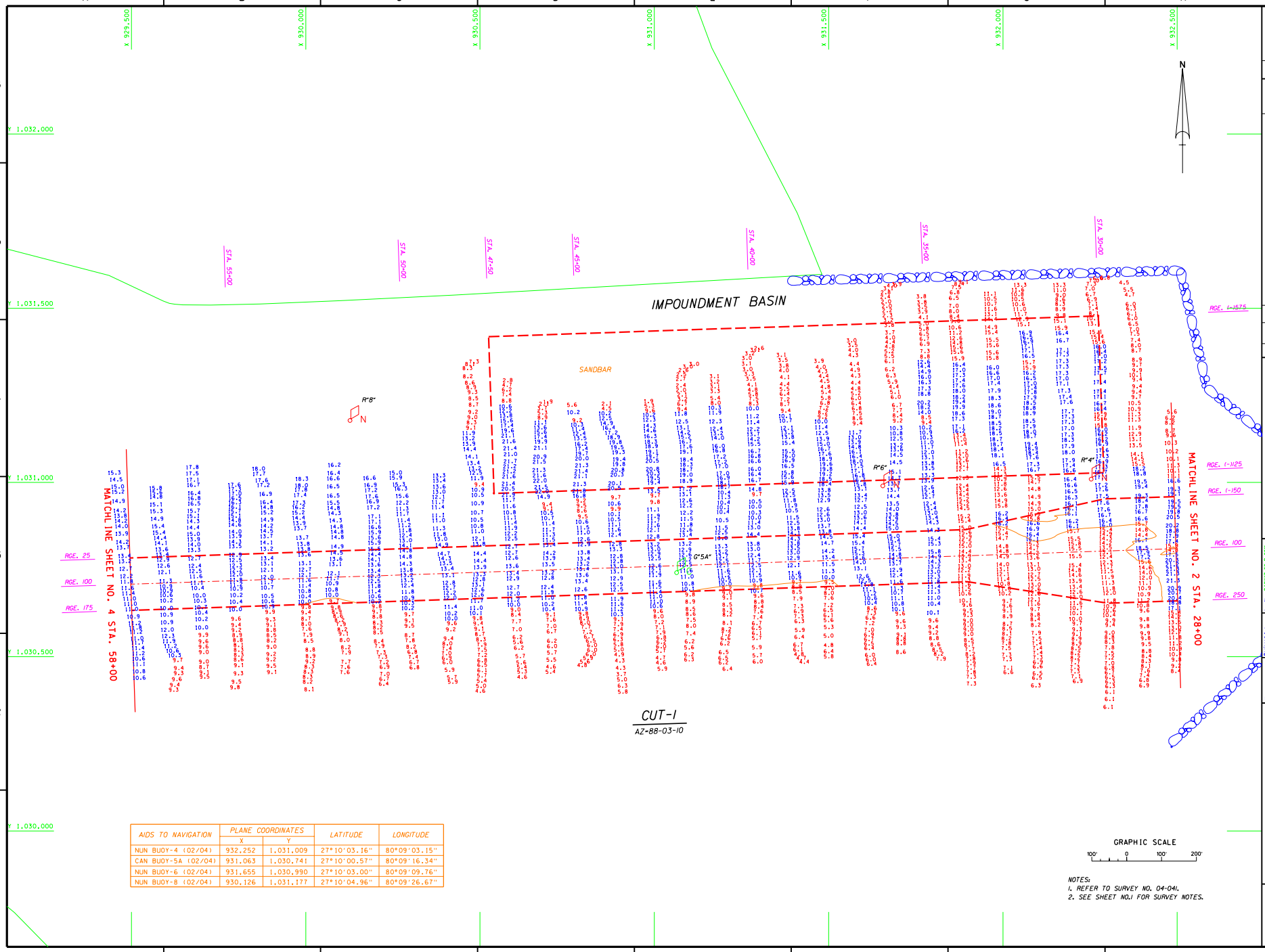
Dated: FEB 2004
D.O. FILE NO.

File name: F041SH02.DGN
Reference files: BNDRES.DGN
SITLUCIE1.DGN
SITLTOPO83.DGN
F041CT1.DGN
CORE.DGN

ST. LUCIE INLET
MARTIN COUNTY, FLORIDA
PROJECT CONDITION SURVEY
7, 10 & 16-FOOT PROJECT
STA. 0+00 THRU STA. 28+00 CUT-1
PLAN

DRAWING NO.
2/6

SHEET 2 OF 6



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
NUN BUOY-4 (02/04)	932,252	1,031,009	27°10'03.16"	80°09'03.15"
CAN BUOY-5A (02/04)	931,063	1,030,741	27°10'00.57"	80°09'16.34"
NUN BUOY-6 (02/04)	931,655	1,030,990	27°10'03.00"	80°09'09.76"
NUN BUOY-8 (02/04)	930,126	1,031,177	27°10'04.96"	80°09'26.67"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 04-041.
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. DACW17-00-B-0011
Dataset XX XXX XXXX
Scale: AS SHOWN
Plot date: XX XX XXXX
Plot scale: XX:X

Designed by: RMW
Dwn by: RMW
Ckd by: RMW

Dated: FEB 2004
D.O.F.FILE NO.

File name: F041SH03.DGN
Reference files: F041BASE.DGN
STLCHMB3.DGN
STLCTOPO03.DGN
STLCHMB2.DGN
F041NAV.DGN
STLCHMB1.DGN
CONN.DGN

ST. LUCIE INLET
MARTIN COUNTY, FLORIDA
PROJECT CONDITION SURVEY
7, 10 & 16-FOOT PROJECT
STA 28+00 THRU STA. 58+00 CUT-1
PLAN

DRAWING NO.
3/6

SHEET 3 OF 6

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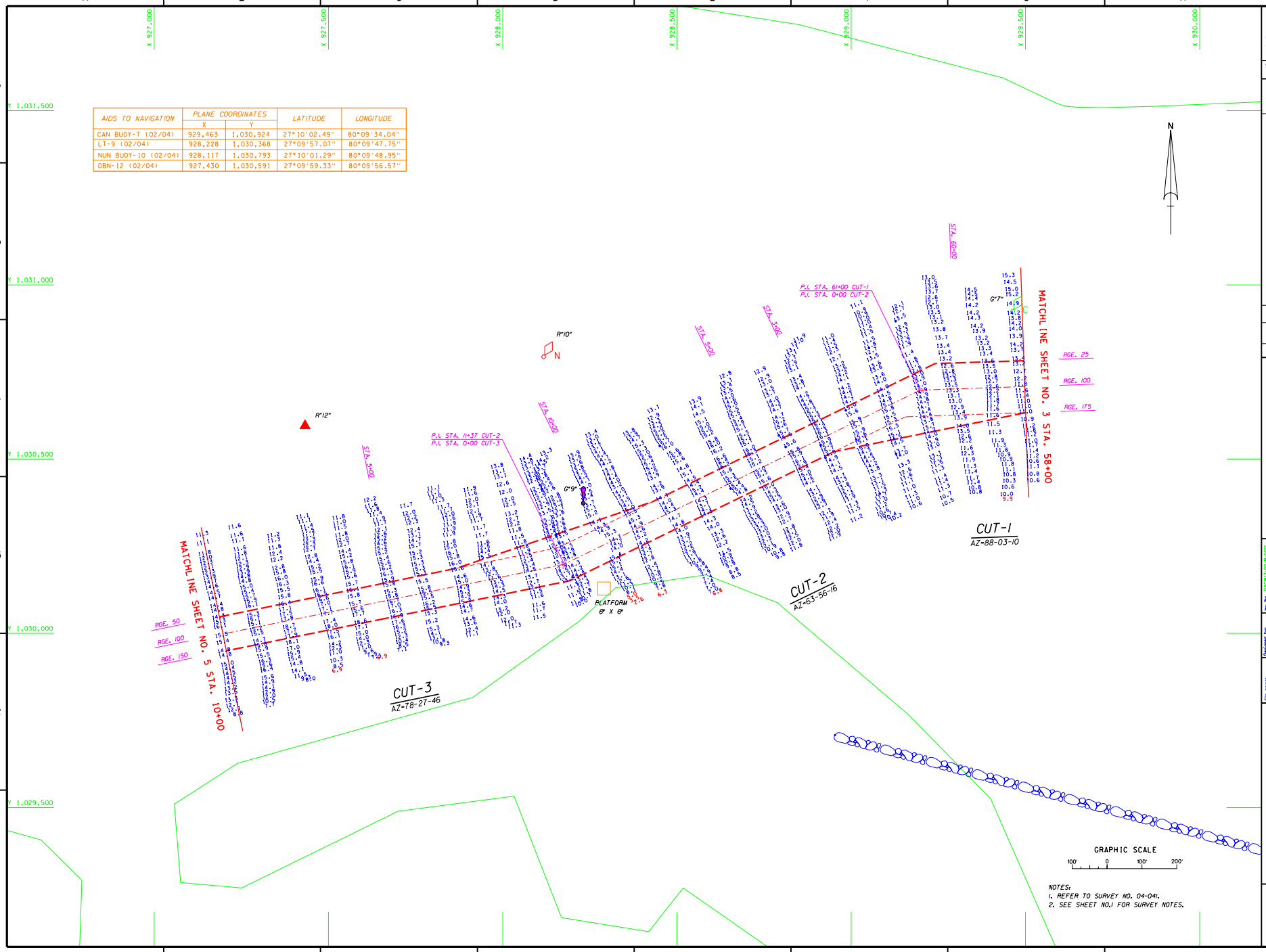
AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
CAN BUOY-7 (02/04)	929,463	1,030,924	27°10'02.49"	80°09'34.04"
LT-9 (02/04)	928,228	1,030,368	27°09'57.07"	80°09'47.75"
NUN BUOY-10 (02/04)	928,117	1,030,793	27°10'01.29"	80°09'48.95"
DBN-12 (02/04)	927,430	1,030,591	27°09'59.33"	80°09'56.57"



NOTES:
1. REFER TO SURVEY NO. 04-041.
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. DACW17-00-B-0011
Dated: XX XXX XXXX
Scale: AS SHOWN
Plot date: xx xx xxxx
Plot scale: xx:x

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Dwn by: MW
Ckd by: MW
Dated: FEB 2004
D.O. FILE NO.

File name: f041sh04.DGN
Reference files: SPCOBS.DGN
STLTOPO83.DGN
STLTOPO83.DGN
F041C12.DGN
F041C13.DGN
F041NN.DGN

ST. LUCIE INLET
MARTIN COUNTY, FLORIDA
PROJECT CONDITION SURVEY
7, 10 & 16-FOOT PROJECT
STA. 58+00 CUT-1 THRU STA. 10+00 CUT-3
PLAN

DRAWING NO.
4/6

SHEET 4 OF 6

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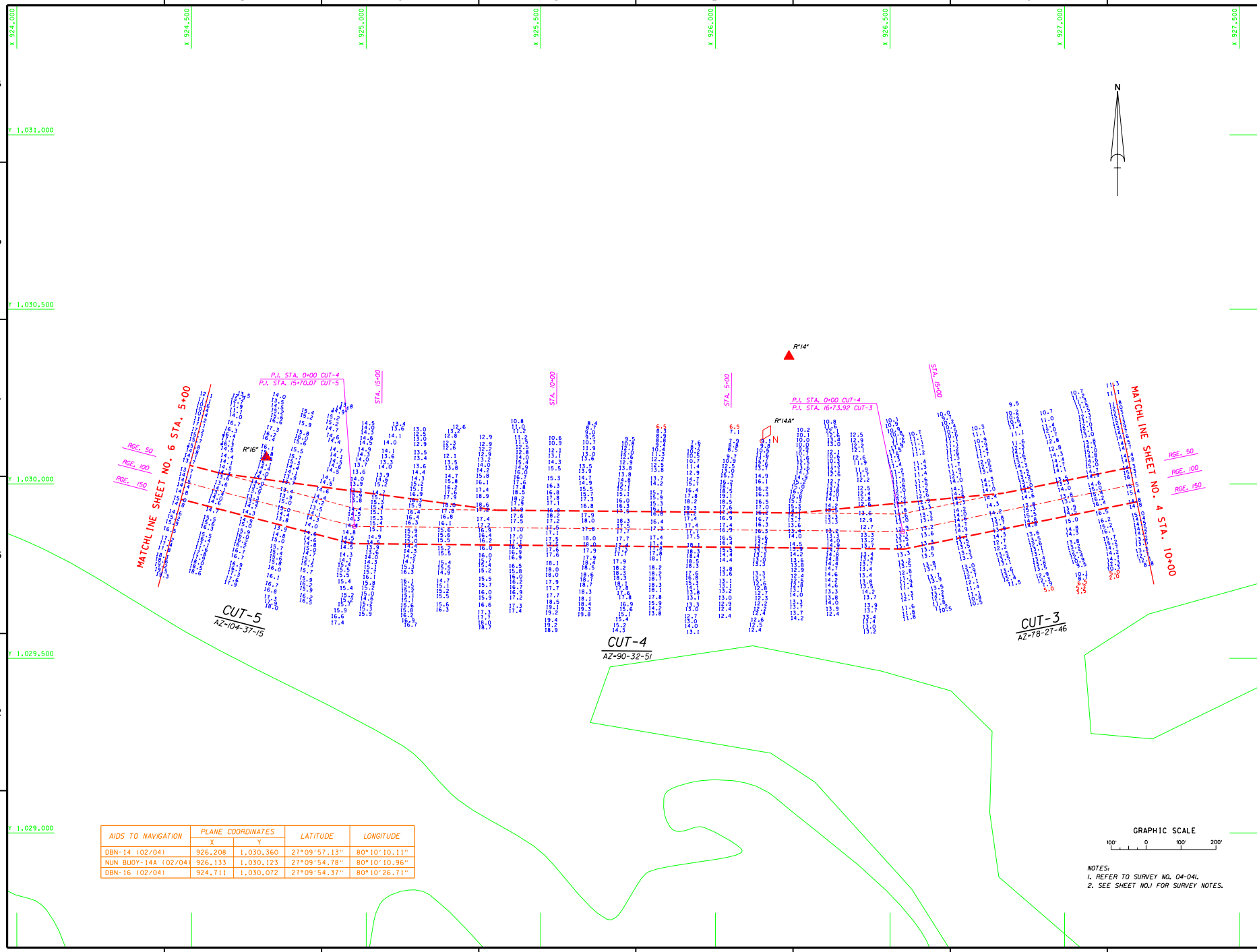

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-14 (02/04)	926,208	1,030,360	27°09'57.13"	80°10'10.11"
NUN BUOY-14A (02/04)	926,133	1,030,123	27°09'54.78"	80°10'10.96"
DBN-16 (02/04)	924,711	1,030,072	27°09'54.37"	80°10'26.71"

NOTES:
1. REFER TO SURVEY NO. 04-041.
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
Design XXX XXX XXXX
Scale AS SHOWN
Number XXXX-XXXX
Plot scale XXX

Designed by: WRD
Dwn by: WRD
Ckd by: WRD
Date: FEB 2004
D.O.FILE NO.

File name: F041SHE05.DGN
Reference files: F041SHE01.DGN
STLTOPO83.DGN
STLCHB83.DGN
F041C13.DGN
F041C14.DGN
F041C15.DGN
F041NAV.DGN

ST LUCIE INLET
MARTIN COUNTY, FLORIDA
PROJECT CONDITION SURVEY
7, 10 & 16-FOOT PROJECT
STA.10+00 CUT-3 THRU STA.5+00 CUT-5
PLAN

DRAWING NO.
5/6

SHEET 5 OF 6

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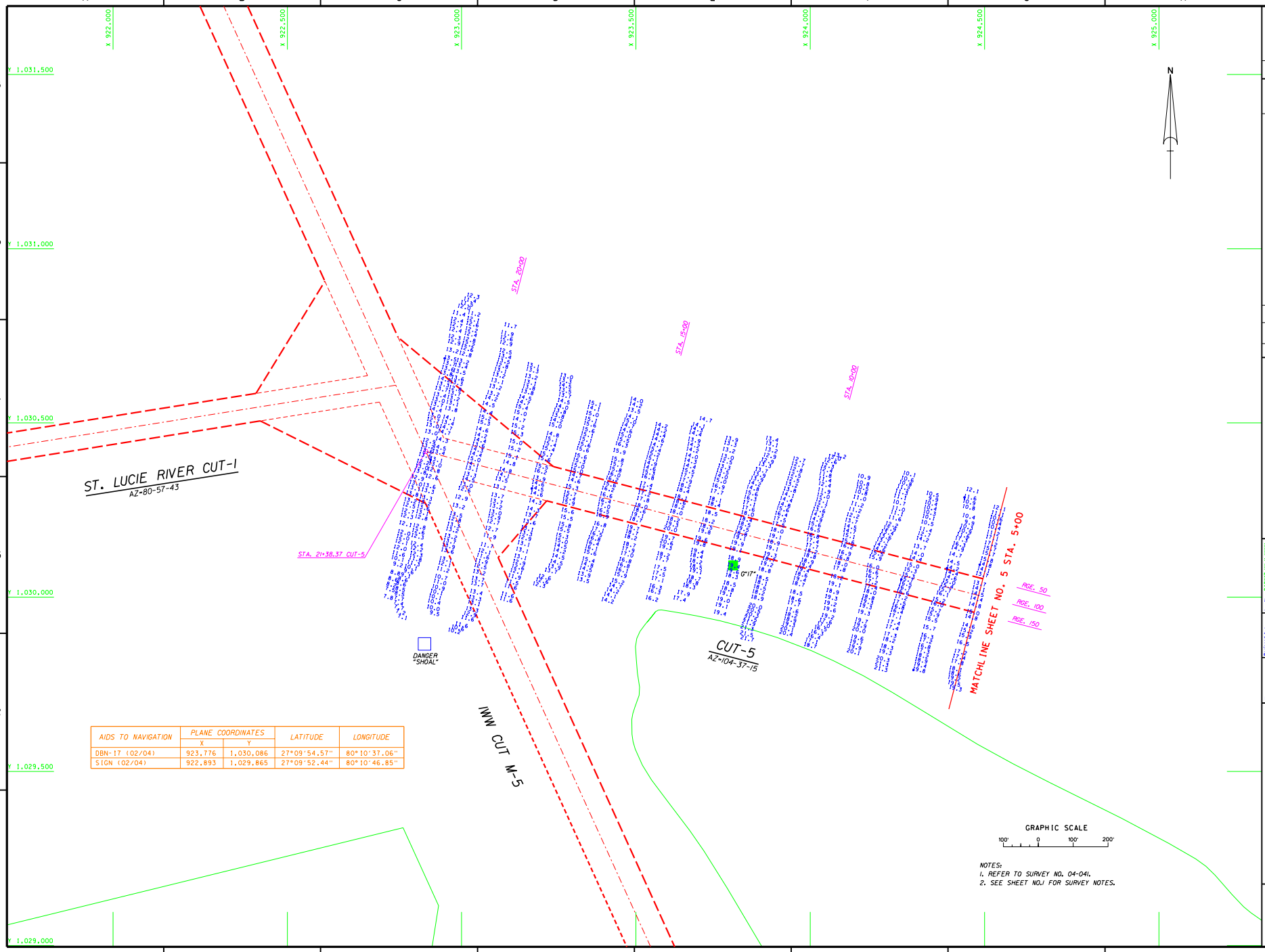

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-17 (02/04)	923,776	1,030,086	27°09'54.57"	80°10'37.06"
SIGN (02/04)	922,893	1,029,865	27°09'52.44"	80°10'46.85"

NOTES:
1. REFER TO SURVEY NO. 04-041.
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: X:X:X

Designed by: RMW
Dwn by: RMW
Ckd by: WHW
Dated: FEB 2004
D.O. FILE NO.

File name: F041SH06.DGN
Reference files: SITEPLAN.DGN
STLTOPO83.DGN
F04CT5.DGN
F04BMAP.DGN

ST LUCIE INLET
MARTIN COUNTY, FLORIDA
PROJECT CONDITION SURVEY
7, 10 & 16-FOOT PROJECT
STA.5+00 CUT-5 THRUSTA.21+00 CUT-5
PLAN

DRAWING NO.
6/6

SHEET 6 OF 6

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