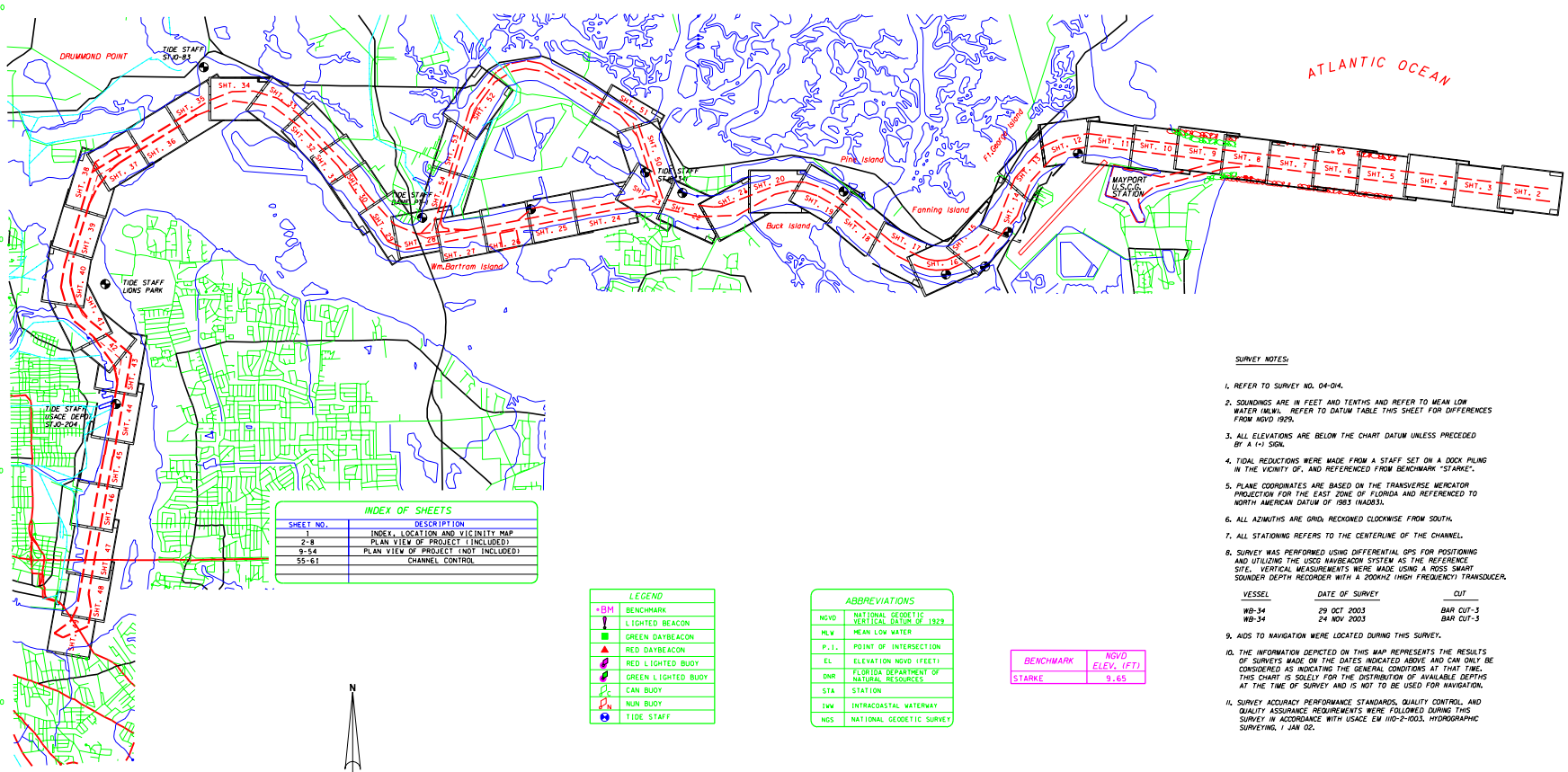
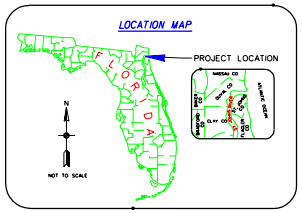
JACKSONVILLE HARBOR, FLORIDA

PROJECT CONDITION SURVEY

AUTHORIZED PROJECT DEPTH	
42-FT ----	CUT-3 (BAR CUT), STA. 0+00 THRU STA. 210+00 (INTERSECTION MAYPORT NAVY ENTRANCE CHANNEL).
40-FT ----	CUT-3 (BAR CUT) STA. 210+00 THRU CUT-50, STA. 6+53 - DRUMMOND POINT.
38-FT ----	CUT-50, STA 6+53 THRU TERMINAL CHANNEL, STA. 64+56.
34-FT ----	TERMINAL CHANNEL, STA. 64+56 THRU STA. 186+21 (APPROX. 1200 FEET UPSTREAM FROM THE HART BRIDGE NEAR COMMODORE POINT).
30-FT ----	TERMINAL CHANNEL, STA. 186+21 CONTINUING UPSTREAM TO FEC RAILWAY BRIDGE AT JACKSONVILLE.
38-FT ----	OLD RIVER BLOUNT ISLAND (WESTSIDE) CHANNEL CUT-F, STA. 10+00 - NEAR WOODEN FISHING BRIDGE PIER THRU INTERSECTION OF CUT-42 (DAMES PT.-FULTON CUT-OFF).





INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
1	INDEX, LOCATION AND VICINITY MAP
2-8	PLAN VIEW OF PROJECT (INCLUDED)
9-54	PLAN VIEW OF PROJECT (NOT INCLUDED)
55-61	CHANNEL CONTROL

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

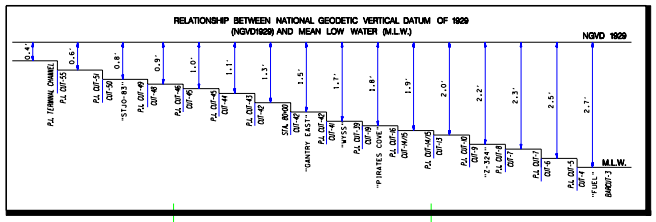
ABBREVIATIONS	
NGVD	NATIONAL GEODETIC VERTICAL DATUM OF 1929
MLW	MEAN LOW WATER
P.I.	POINT OF INTERSECTION
EL	ELEVATION NGVD (FEET)
DNR	FLORIDA DEPARTMENT OF NATURAL RESOURCES
STA	STATION
IWW	INTRACOASTAL WATERWAY
NGS	NATIONAL GEODETIC SURVEY

BENCHMARK	NGVD ELEV. (FT)
STARKE	9.65

N

GRAPHIC SCALE

3000' 0 3000' 6000'



SURVEY NOTES:

1. REFER TO SURVEY NO. 04-014.
2. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOW WATER (MLW). REFER TO DATUM TABLE THIS SHEET FOR DIFFERENCES FROM 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 DOCK PILING IN THE VICINITY OF, AND REFERENCED FROM BENCHMARK "STARKE".
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	29 OCT 2003	BAR CUT-3
WB-34	24 NOV 2003	BAR CUT-3

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.

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: RMW
Dwn by: RMW
Ckd by: RMW
Inv. No.
Dataset:
Scale: AS SHOWN
Plot date: XX XXX XXXX
Plot scale: 1" = 2000'
Dated: NOV 2003
D.O.F FILE NO.

File name: FDUSHSD.DGN
Reference files: NAD83.DGN
KEY SQUARE.DGN
JAXBASE.DGN

JACKSONVILLE HARBOR, FLORIDA
PROJECT CONDITION SURVEY
40 & 42-FOOT PROJECT
COVER, INDEX AND PLAN SHEET
PLAN

DRAWING NO.
1/8

SHEET 1 OF 61

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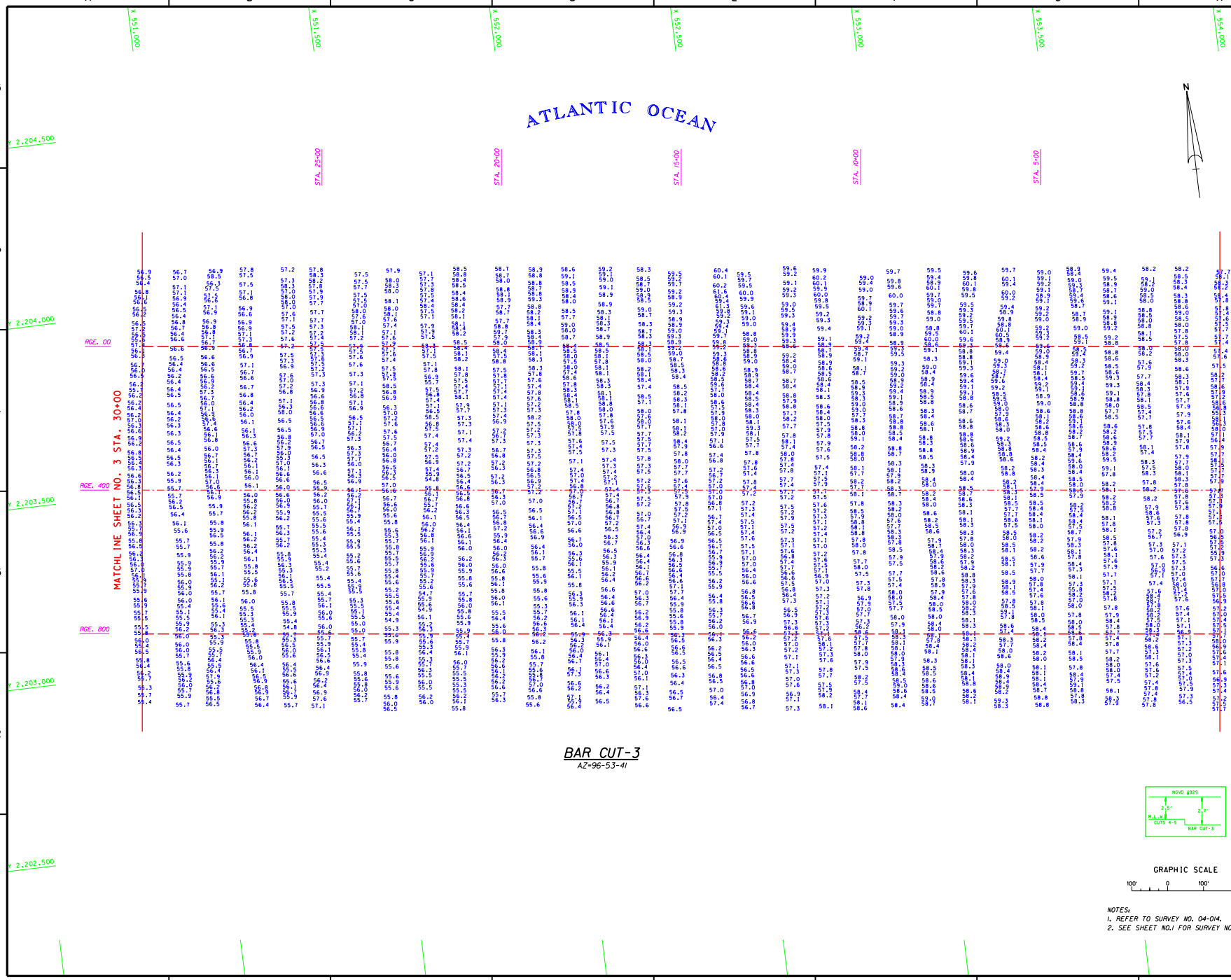

BAR CUT-3
AZ=96-53-41

NOTES:
1. REFER TO SURVEY NO. 04-014.
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: RWH
Dwn by: WRM
Ckd by: WRM
Scale: AS SHOWN
Plot date: xx xx xxxx
Plot scale: XXX
Date: NOV 2003
D.O.FILE NO.

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Reference files: BRDR98.DGN NEW.JACKHAN.DGN F014BAR3.DGN

JACKSONVILLE HARBOR, FLORIDA
PROJECT CONDITION SURVEY
40 & 42-FOOT PROJECT
STA. 0+00 THRU STA. 30+00 BAR CUT-3
PLAN

DRAWING NO.
2/8

SHEET 2 OF 54

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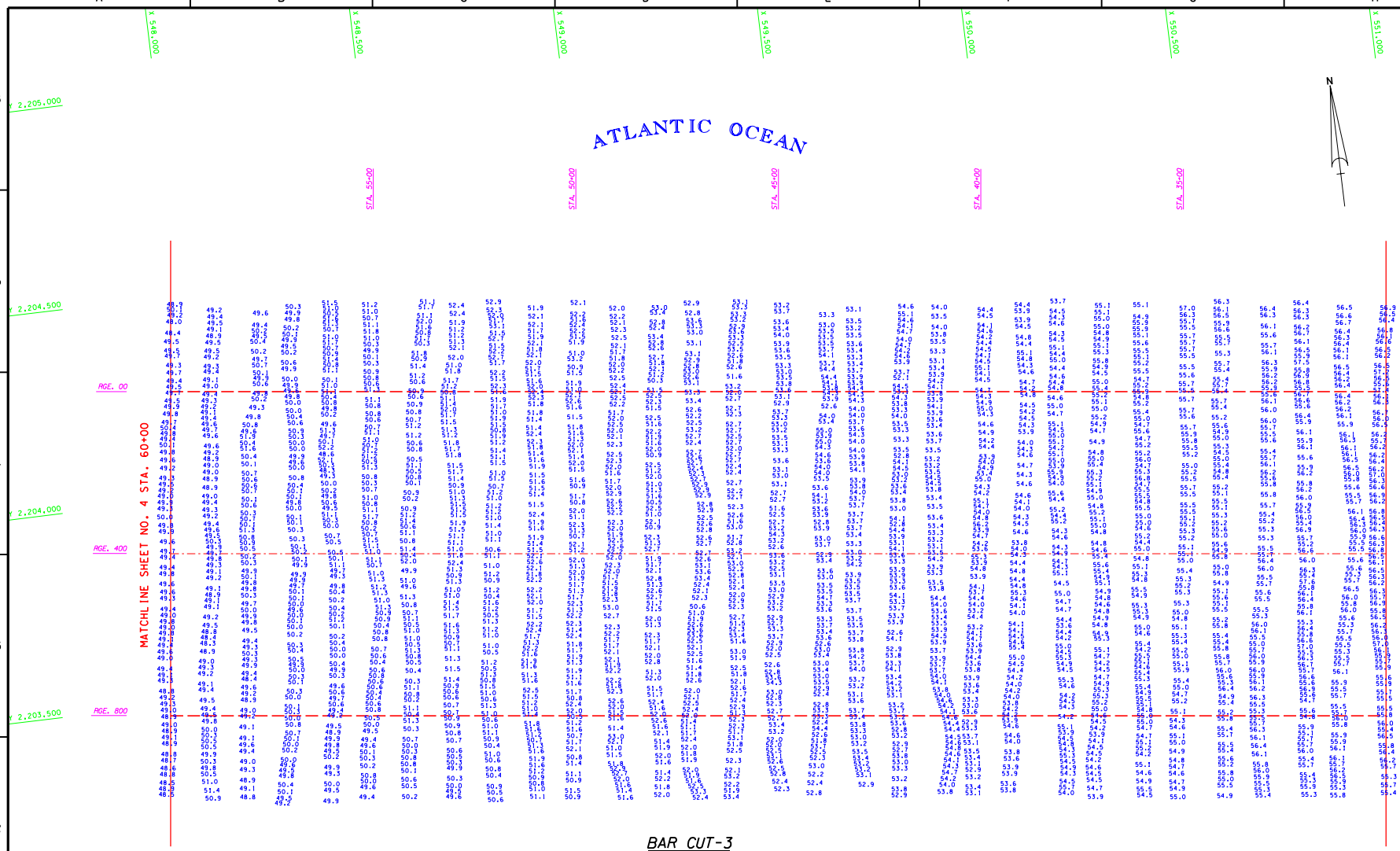
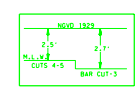


BAR CUT-3

AZ=96-53-41



GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 04-014.
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: RWH
Dwn by: WRM
Ckd by: WRM
Inv. No.
Dates:
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Plot scale: XX:X
Dated: NOV 2003
D.O. FILE NO.

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Reference files: BRDF98.DGN NEW JAXCHAN.DGN JAXBASE.DGN F014BAR3.DGN

JACKSONVILLE HARBOR, FLORIDA
PROJECT CONDITION SURVEY
40 & 42-FOOT PROJECT
STA. 30+00 THRU STA. 60+00 CUT-3
PLAN

DRAWING NO.
3/8

SHEET 3 OF 54

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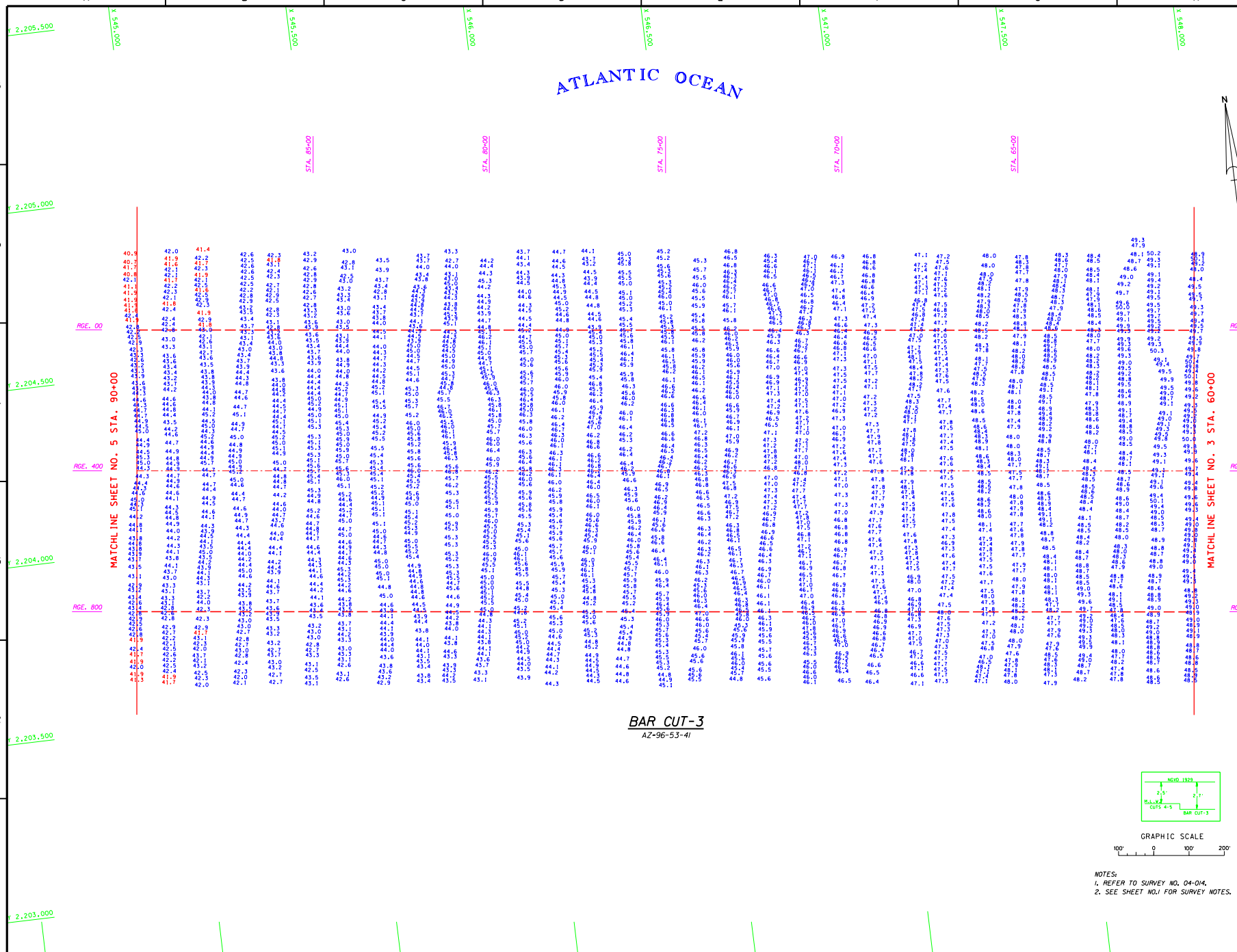

BAR CUT-3

AZ-96-53-41

NOTES:
1. REFER TO SURVEY NO. 04-014.
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

Inv. No.
Dataset:
Scale: AS SHOWN
Plot date: xx xx xxxx
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Designed by: RWH
Dwn by: WRM
Ckd by: WRM
Date: NOV 2003
D.O.FILE NO.

File name: F014SH04.DGN
Reference files: BPDR98.DGN NEW.XCHAN.DGN F014BAR3.DGN

JACKSONVILLE HARBOR, FLORIDA
PROJECT CONDITION SURVEY
40 & 42-FOOT PROJECT
STA.60+00 THRU STA.90+00 BAR CUT-3
PLAN

DRAWING NO.
4/8

SHEET 4 OF 54

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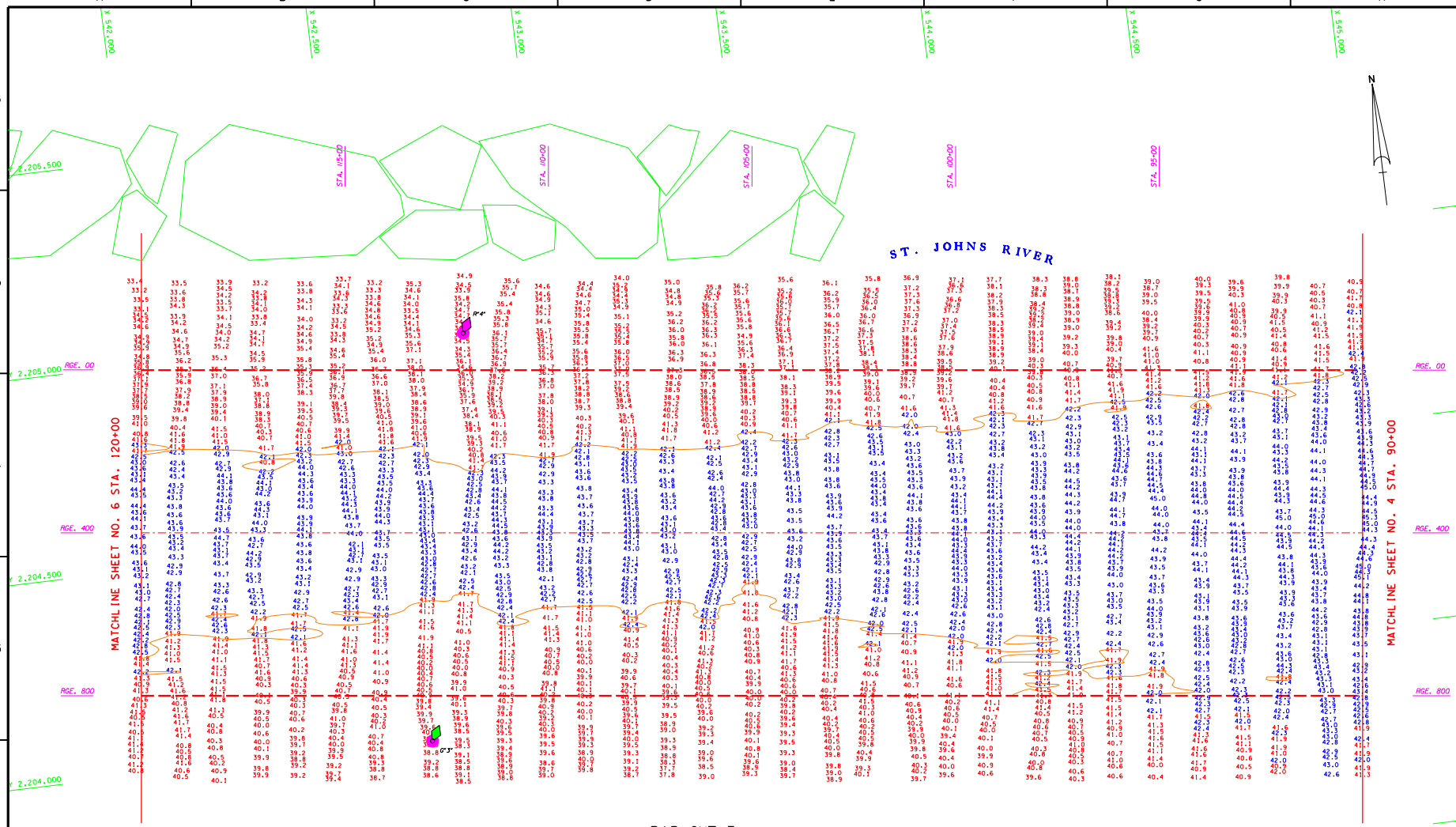
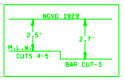


BAR CUT-3

AZ-96-53-41

AIDS TO NAVIGATION	PLANE COORDINATES X	PLANE COORDINATES Y	LATITUDE	LONGITUDE
LT. BUOY-3 (11/03)	542,592	2,203,996	30°23'44.31"	81°21'36.85"
LT. BUOY-4 (11/03)	542,787	2,204,982	30°23'54.08"	81°21'34.67"



GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 04-014.
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.
Dataset
Scale: AS SHOWN
Plot date: xx.xx.xxxx
Plot scale: 1:1.0

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

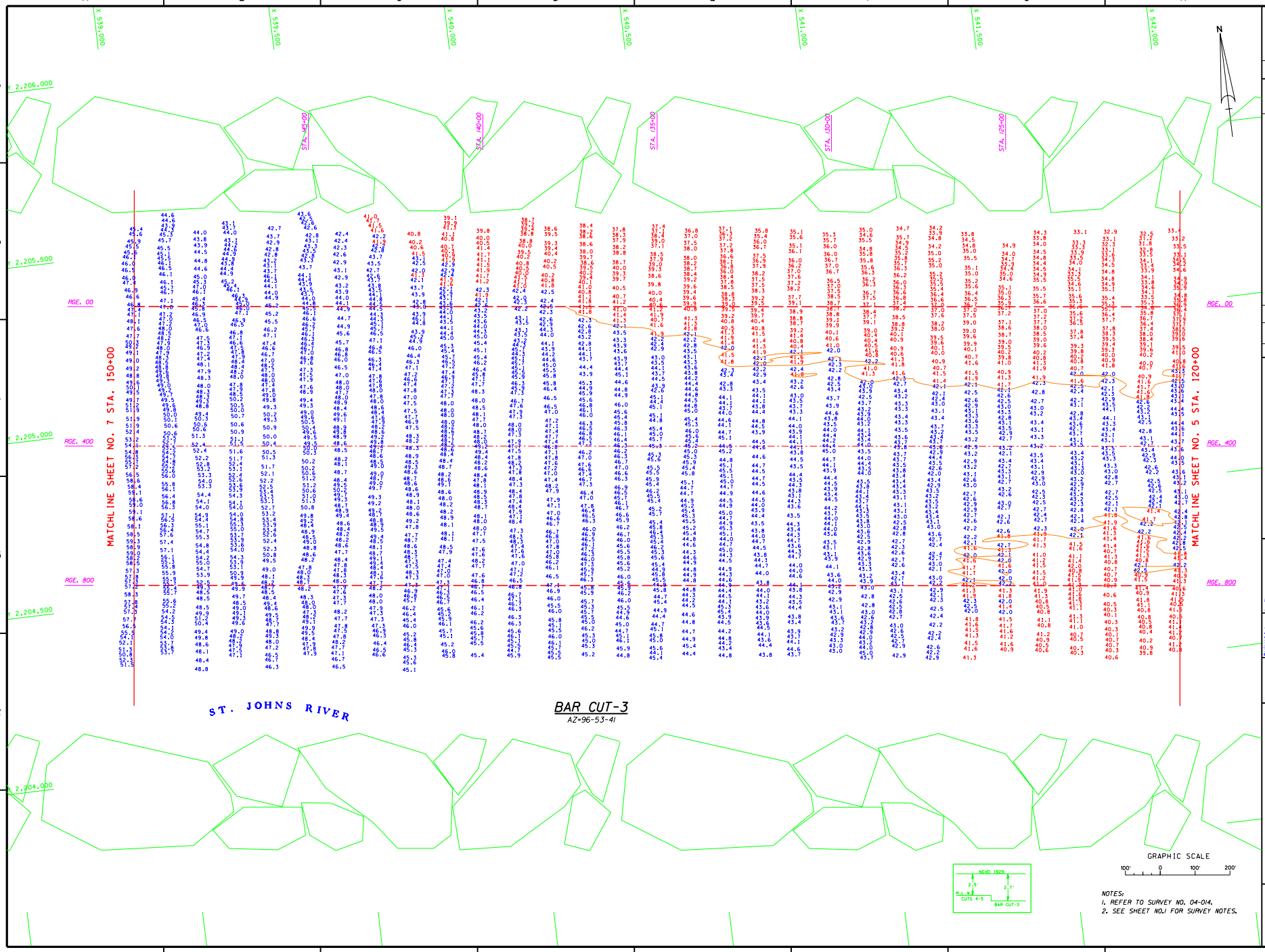
Dated: NOV 2003
D.O.F FILE NO.

File name: F014SH05.DGN
Reference files: BRIDGE.DGN
BAR CUT-3.DGN
JAXBASE.DGN
F014BAR3.DGN
F014MAIN.DGN
F014PL2.DGN

JACKSONVILLE HARBOR, FLORIDA
PROJECT CONDITION SURVEY
40 & 42-FOOT PROJECT
STA.90+00 THRU STA.120+00 BAR CUT-3
PLAN

DRAWING NO.
5/8

SHEET 5 OF 54



BAR CUT-3
AZ=96-53-41

NOTES:
1. REFER TO SURVEY NO. 04-014.
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

Inv. No.
Dataset:
Scale: AS SHOWN
Plot date: xx xx xxxx
Plot scale: XXX

Designed by: RWM
Dwn by: WRM
Ckd by: WRM
Dated: NOV 2003
D.O. FILE NO.

File name: F014SH06.DGN
Reference files: BRDRS8.DGN
NEWCHAN.DGN
JAXBASE.DGN
F014BAR3.DGN
CON42.DGN

JACKSONVILLE HARBOR, FLORIDA
PROJECT CONDITION SURVEY
40 & 42-FOOT PROJECT
STA. 120+00 THRU STA. 150+00 BAR CUT-3
PLAN

DRAWING NO.
6/8

SHEET 6 OF 54

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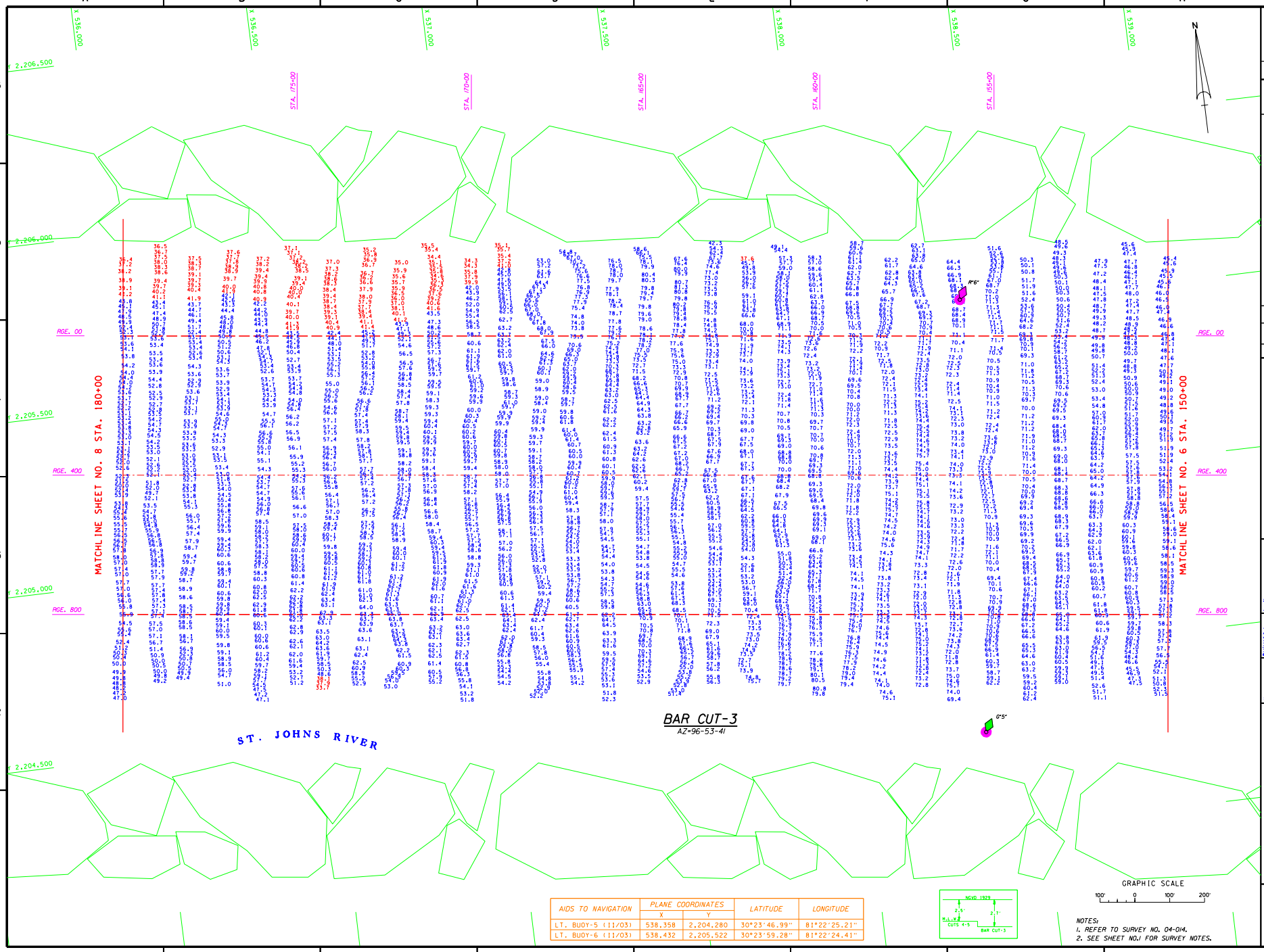
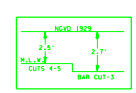


AIDS TO NAVIGATION	PLANE COORDINATES X	PLANE COORDINATES Y	LATITUDE	LONGITUDE
LT. BUOY-5 (11/03)	538,358	2,204,280	30°23'46.99"	81°22'25.21"
LT. BUOY-6 (11/03)	538,432	2,205,522	30°23'59.28"	81°22'24.41"



GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 04-014.
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: WRH
Dwn by: WRH
Ckd by: WRH
Scale: AS SHOWN
Plot date: xx xx xxxx
Plot scale: XXX
Date: NOV 2003
D.O. FILE NO.

File name: F014SH07.DGN
Reference files: BROPS8.DGN NEWCHAN.DGN JAXBASE.DGN F014BAR3.DGN F014NAV.DGN

JACKSONVILLE HARBOR, FLORIDA
PROJECT CONDITION SURVEY
40 & 42-FOOT PROJECT
STA. 150+00 THRU STA. 180+00 BAR CUT-3
PLAN

DRAWING NO.
7/8

SHEET 7 OF 54

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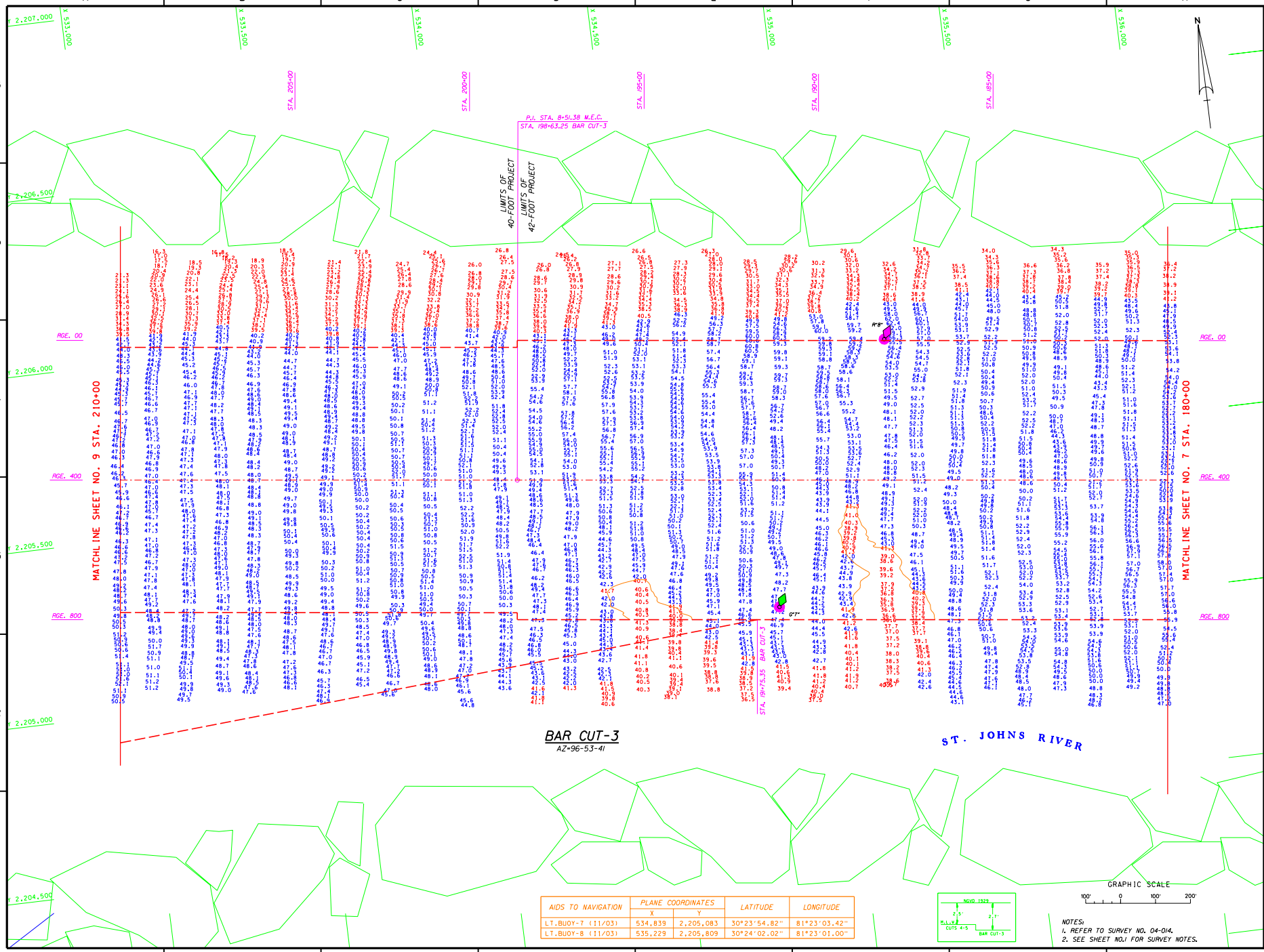

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT.BUOY-7 (11/03)	534,839	2,205,083	30°23'54.82"	81°23'03.42"
LT.BUOY-8 (11/03)	535,229	2,205,809	30°24'02.02"	81°23'01.00"