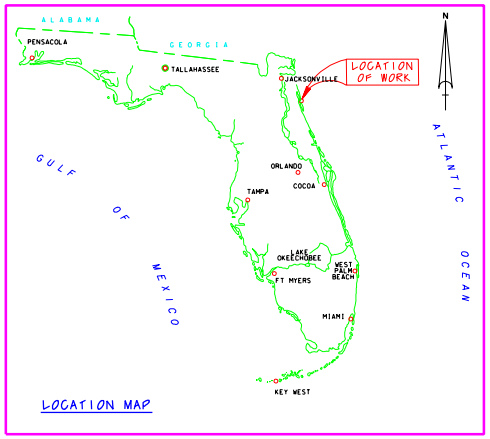
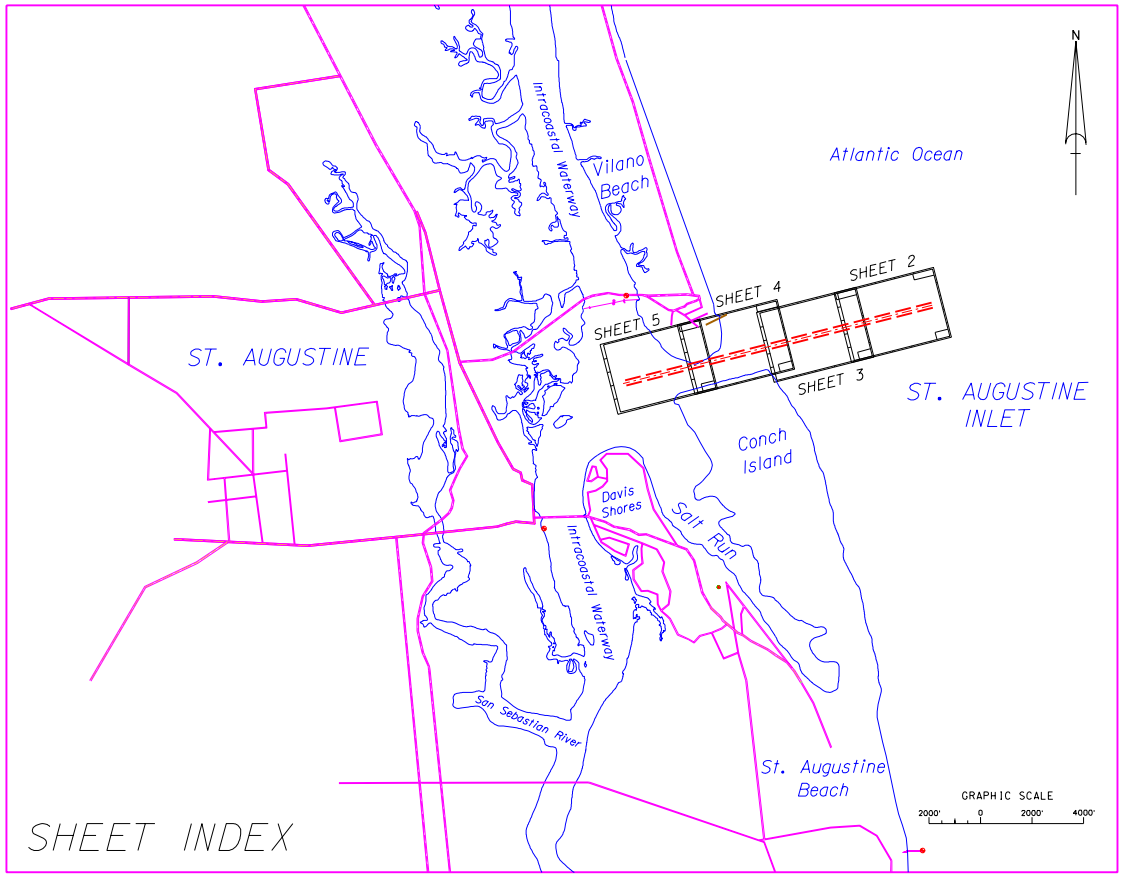
ST. AUGUSTINE INLET
ST. JOHNS COUNTY, FLORIDA
PROJECT CONDITION SURVEY



LOCATION MAP



SHEET INDEX

SURVEY NOTES:

1. REFER TO SURVEY NO. 00-220.
2. ELEVATIONS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER (MLLW) WHICH IS 2.11 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 OF INW "RED DAYBEACON-4" AND REFERENCED FROM COE BENCHMARK "SJBE-14".
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	8 NOV 00	ENTRANCE CHANNEL

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.
11. SURVEY QUALITY CONTROL STANDARDS AND FIELD EQUIPMENT CALIBRATIONS WERE FOLLOWED DURING THIS SURVEY IN ACCORDANCE WITH EM 1110-2-1003 FOR CLASS I HYDROGRAPHIC SURVEYS.

BENCHMARK	NGVD ELEV. (FT)
SJBE-14	17.29

NGVD 1929
2.11 feet
M.L.L.W.

Relationship between NGVD 1929 and 1978 NOAA Mean Lower Low Water Tidal Datum

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

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

D.O.FILE NO. 10-38,156
Dated: NOV 2000

Designed by: Unknown
Dwn by: CDK
Ckd by: BRM

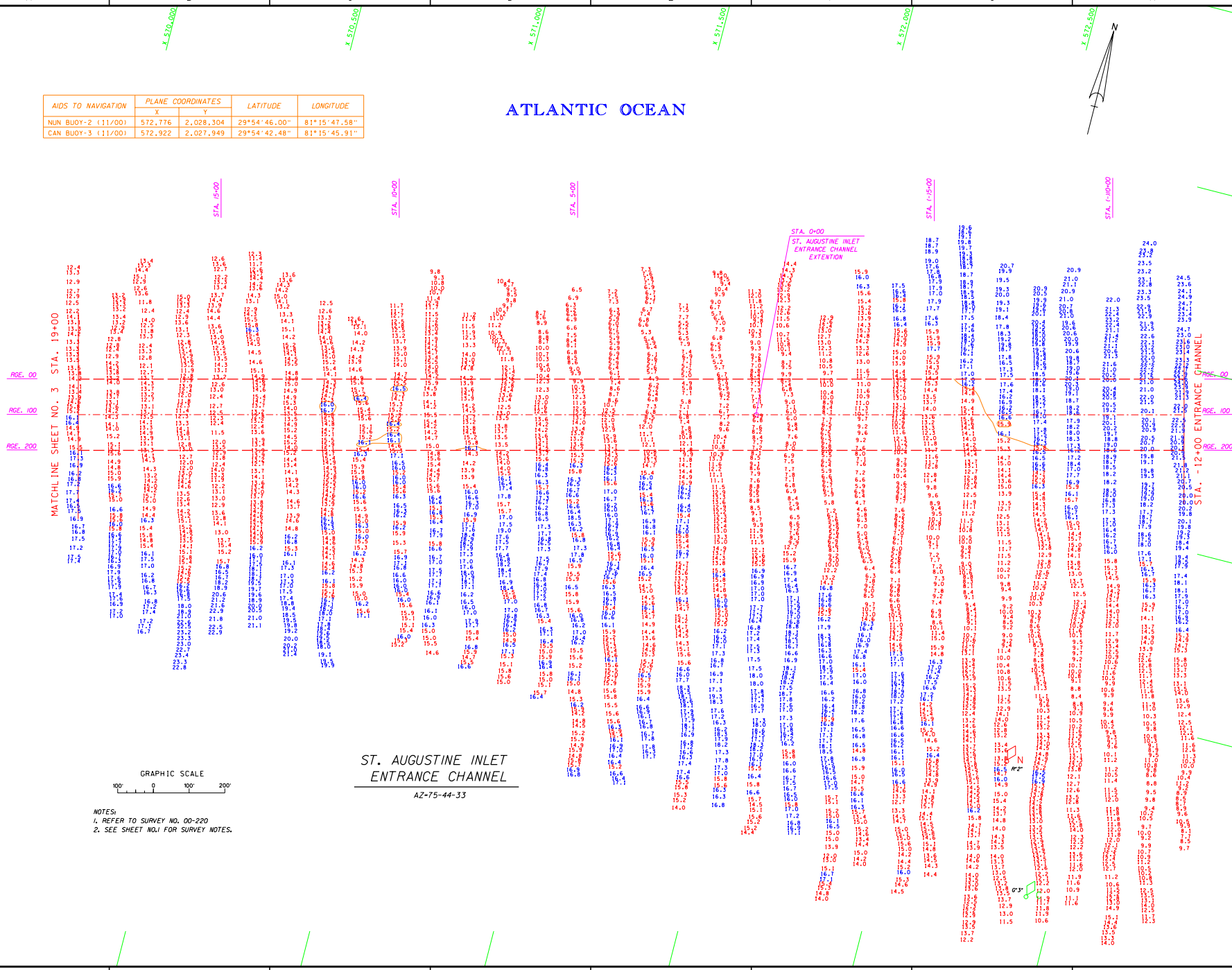
File name: 32220SH01.DGN
Reference files: BASEMAP.DGN AUG_CHAN.DGN NEWFLWAP.DGN AUG_TOPO.DGN

ST. AUGUSTINE INLET, FLORIDA
PROJECT CONDITION SURVEY
16-FOOT PROJECT
ENTRANCE CHANNEL
PLAN

DRAWING NO.
1/5

SHEET 1 OF 5

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
NUN BUOY-2 (11/00)	572,776	2,028,304	29°54'46.00"	81°15'47.58"
CAN BUOY-3 (11/00)	572,922	2,027,949	29°54'42.48"	81°15'45.91"



NOTES:
1. REFER TO SURVEY NO. 00-220
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 NOV 2000
Scale AS SHOWN
Sheet XXX of XXX
Plot scale X:X
Dated: NOV 2000
D.O.FILE NO. 10-38,156

Designed by: Dwn by: RWH
Ckd by: WRN

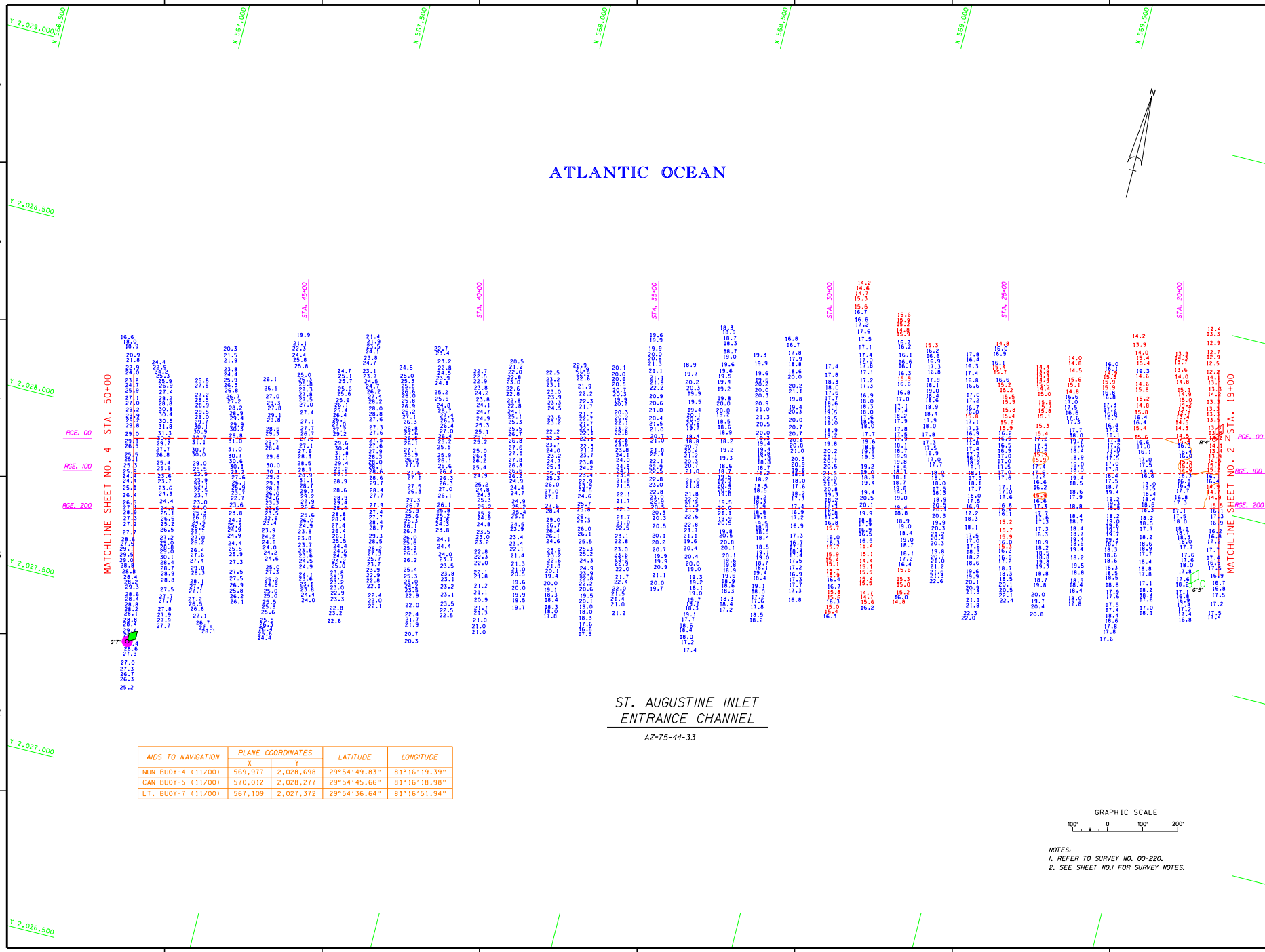
File name: B220SH02.DGN
Reference files: B220SH01.DGN B220CS.DGN B220CNV.DGN B220CNALDGN A34ECON.DGN

ST. AUGUSTINE INLET, FLORIDA
PROJECT CONDITION SURVEY
16-FOOT PROJECT
STA. -12+00 THRU STA. 19+00 ENTRANCE CHANNEL
PLAN

DRAWING NO.
2/5

SHEET 2 OF 5

...\b220sh02.dgn Jan. 19, 2001 07:13:42



ST. AUGUSTINE INLET ENTRANCE CHANNEL

AZ=75-44-33

AIDS TO NAVIGATION	PLANE COORDINATES X	PLANE COORDINATES Y	LATITUDE	LONGITUDE
NUN BUOY-4 (11/00)	569,977	2,028,698	29°54'49.83"	81°16'19.39"
CAN BUOY-5 (11/00)	570,012	2,028,277	29°54'45.66"	81°16'18.98"
LT. BUOY-7 (11/00)	567,109	2,027,372	29°54'36.64"	81°16'51.94"

NOTES:
1. REFER TO SURVEY NO. 00-220.
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: JGG
Date: NOV 2000
Drawn by: JGG
Date: NOV 2000
Chk by:
Date:
Rev. No. JAC-2172 XX.X.XXXX
Date: XX XXX XXXX
Scale: AS SHOWN
Plot date: XX XX XXXX
Plot scale: XX.X
Dated: NOV 2000
D.O.FILE NO. 10-38,156

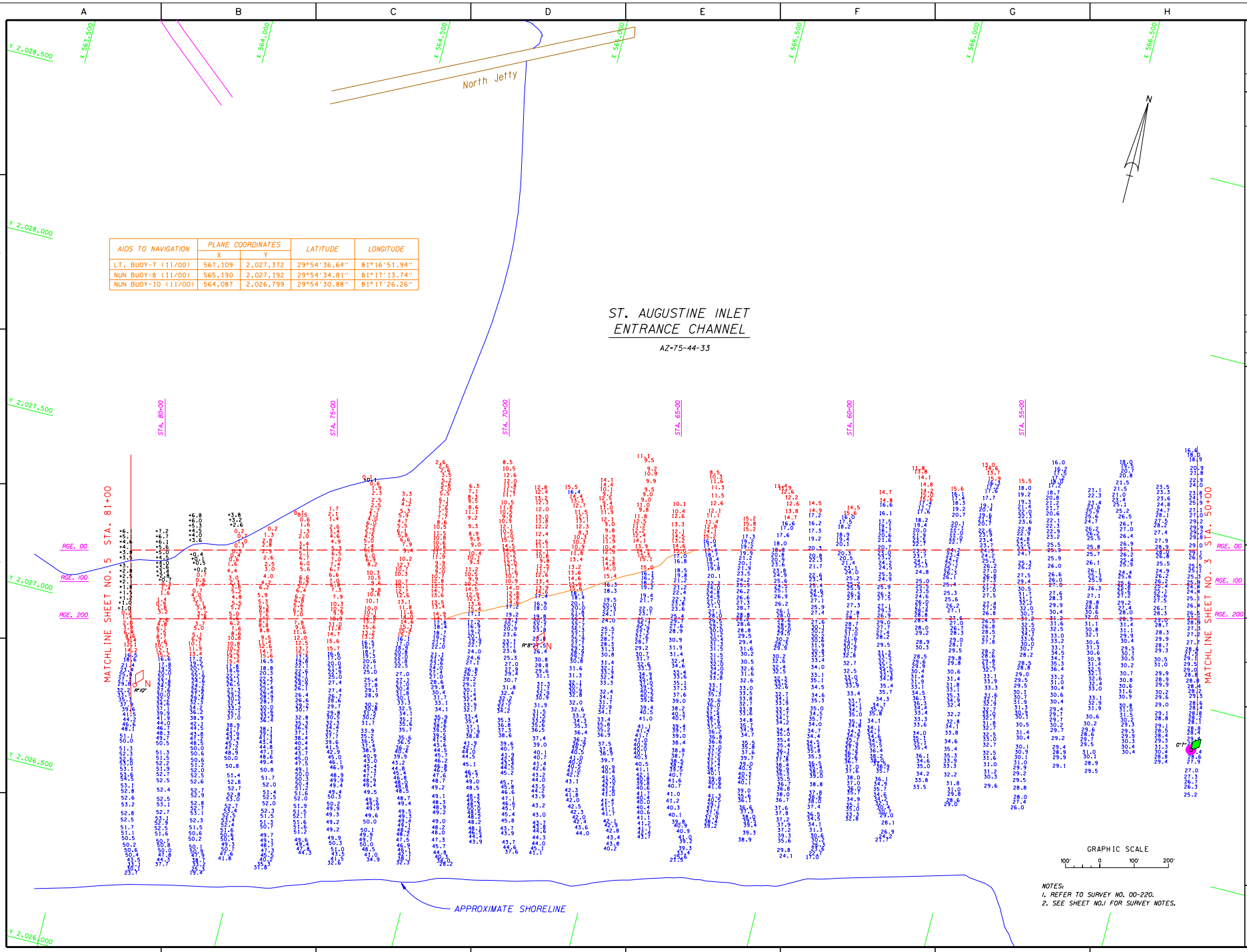
File name: B220SH03.DGN
Reference files: B00PRB.DGN
AUG_CHAN.DGN
A34EAC.DGN
A34NAV.DGN
A34ECON.DGN

ST. AUGUSTINE INLET, FLORIDA
PROJECT CONDITION SURVEY
16-FOOT PROJECT
STA. 19+00 THRU STA. 50+00 ENTRANCE CHANNEL
PLAN

DRAWING NO.
3/5

SHEET 3 OF 5

AIDS TO NAVIGATION	PLANE COORDINATES X	PLANE COORDINATES Y	LATITUDE	LONGITUDE
LT. BUOY-7 (11/00)	567,109	2,027,372	29°54'36.64"	81°16'51.94"
NUN BUOY-8 (11/00)	565,190	2,027,192	29°54'34.81"	81°17'13.74"
NUN BUOY-10 (11/00)	564,087	2,026,799	29°54'30.88"	81°17'26.26"



ST. AUGUSTINE INLET ENTRANCE CHANNEL

AZ-75-44-33

NOTES:
1. REFER TO SURVEY NO. 00-220.
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

Rev. No. DACWTF-XX-X-XXXX
Design XX XXX XXXX
Scale AS SHOWN
Plot scale XXX X
Plot scale XXX X
Dated NOV 2000
D.O.F.ILE NO. 10-38.156

Designed by: RWH
Dwn by: JRW
Ckd by: JRW

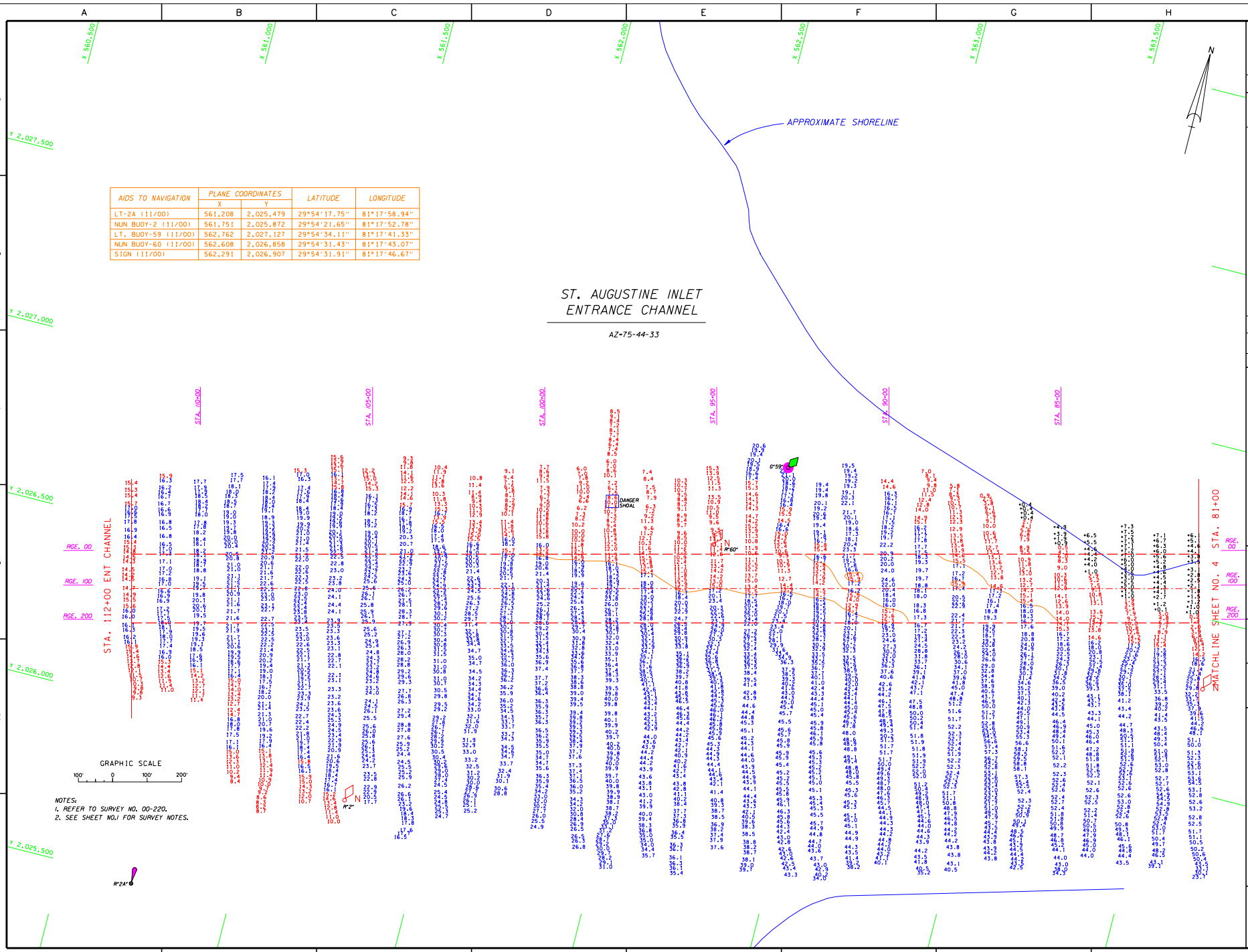
File name: B220SHA4.DGN
Reference files: B220SHA1.DGN, B220CNSL.DGN, AUG_TOPO.DGN, B220PCS.DGN, B220MAV.DGN

ST. AUGUSTINE INLET, FLORIDA
PROJECT CONDITION SURVEY
16-FOOT PROJECT
STA. 50+00 THRU STA. 81+00 ENTRANCE CHANNEL
PLAN

DRAWING NO.
4/5

SHEET 4 OF 5

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-2A (11/00)	561,208	2,025,479	29°54'17.75"	81°17'58.94"
NUN BUOY-2 (11/00)	561,751	2,025,872	29°54'21.65"	81°17'52.78"
LT. BUOY-59 (11/00)	562,762	2,027,127	29°54'34.11"	81°17'41.33"
NUN BUOY-60 (11/00)	562,608	2,026,858	29°54'31.43"	81°17'43.07"
SIGN (11/00)	562,291	2,026,907	29°54'31.91"	81°17'46.67"



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 1:1 X
Dated NOV 2000
D.O.FILE NO. 10-38,156

Designed by RWM
Dwn by CAD
Ckd by RWM

File name: B220SH05.DGN
Reference files: B220B00.DGN B220GRID.DGN AUG_TOPO.DGN B220PIS.DGN B220BAR.DGN

ST. AUGUSTINE INLET, FLORIDA
PROJECT CONDITION SURVEY
16-FOOT PROJECT
STA. 81+00 THRU STA. 112+00 ENTRANCE CHANNEL
PLAN

DRAWING NO.
5/5
SHEET 5 OF 5

...\b220sh05.dgn Jan. 19, 2001 07:03:33