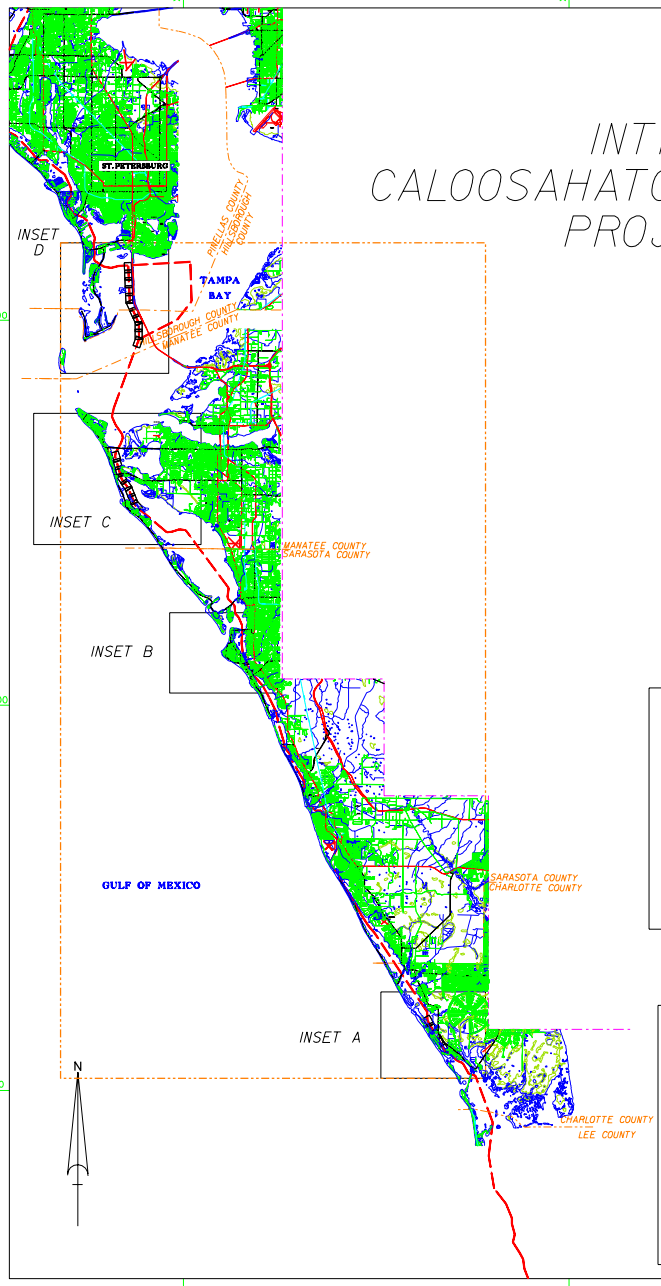
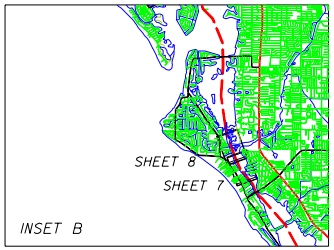
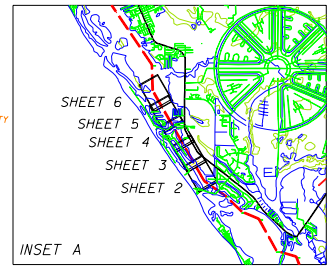
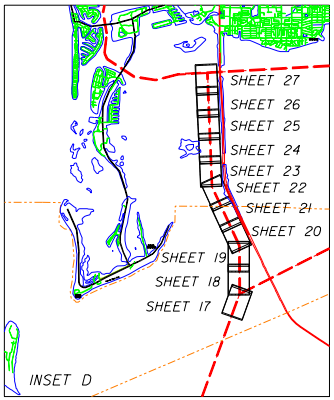
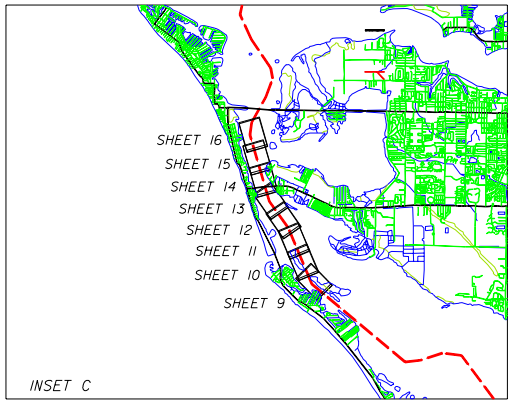
INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
PROJECT CONDITION SURVEY

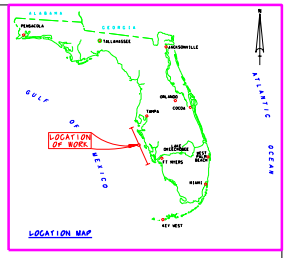












SURVEY NOTES:

1. REFER TO SURVEY NO. 99-354.
2. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOW WATER (MLW) WHICH IS 0.60 FEET BELOW NGVD 1929 FOR CUTS CT, S36-S37 AND W5-W7 AND 0.80 FEET BELOW NGVD 1929 FOR CUTS SC1-SC3.
3. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGN.
4. TIDAL REDUCTIONS WERE MADE FROM A STAFF SET ON A CONCRETE BULKHEAD, AND REFERENCED FROM BENCHMARK "NOS 60838 1977" FOR CUTS S36-S37, STAFF SET ON MEASURE DOWN POINT ON TOP OF CONCRETE BOATHOUSE IN THE VICINITY OF AND REFERENCED FROM BENCHMARK "01-82-A04", STAFF SET ON WOODEN PILING OF DOCK IN THE VICINITY OF AND REFERENCED FROM BENCHMARK "DOT 13-84 B05", AND FROM STAFF SET ON MEASURE DOWN POINT AND REFERENCED FROM BENCHMARK "TH-99".
5. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE WEST 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 INNERSPACE MODEL 448 FATHOMETER WITH A 200KHZ (HIGH FREQUENCY) TRANSDUCER.

VESSEL	DATE OF SURVEY	CUT
WB-34	23-24 SEPT 1999	SC-1, SC-2, SC-3
WB-34	28 SEPT 1999	M-5, M-6, M-7
WB-34	29 SEPT 1999	S-36, S-37
WB-34	30 SEPT 1999	C-7

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.

Relationship between NGVD 1929 and Mean Low Water

GRAPHIC SCALE

20000' 0 20000' 40000'

LEGEND

•BM	BENCHMARK
	LIGHTED BEACON
	GREEN DAYBEACON
	RED DAYBEACON
	RED LIGHTED BUOY
	GREEN LIGHTED BUOY
	CAN BUOY
	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: X X XXX XXXX
Scale: AS SHOWN
Plot date: X X XXXX
Plot scale: XX:X

Designed by: WRJ
Dwn by: GRJ
Ckd by: WRJ

Dated: OCT 1999
D.O.FILE NO. 41-37, 926

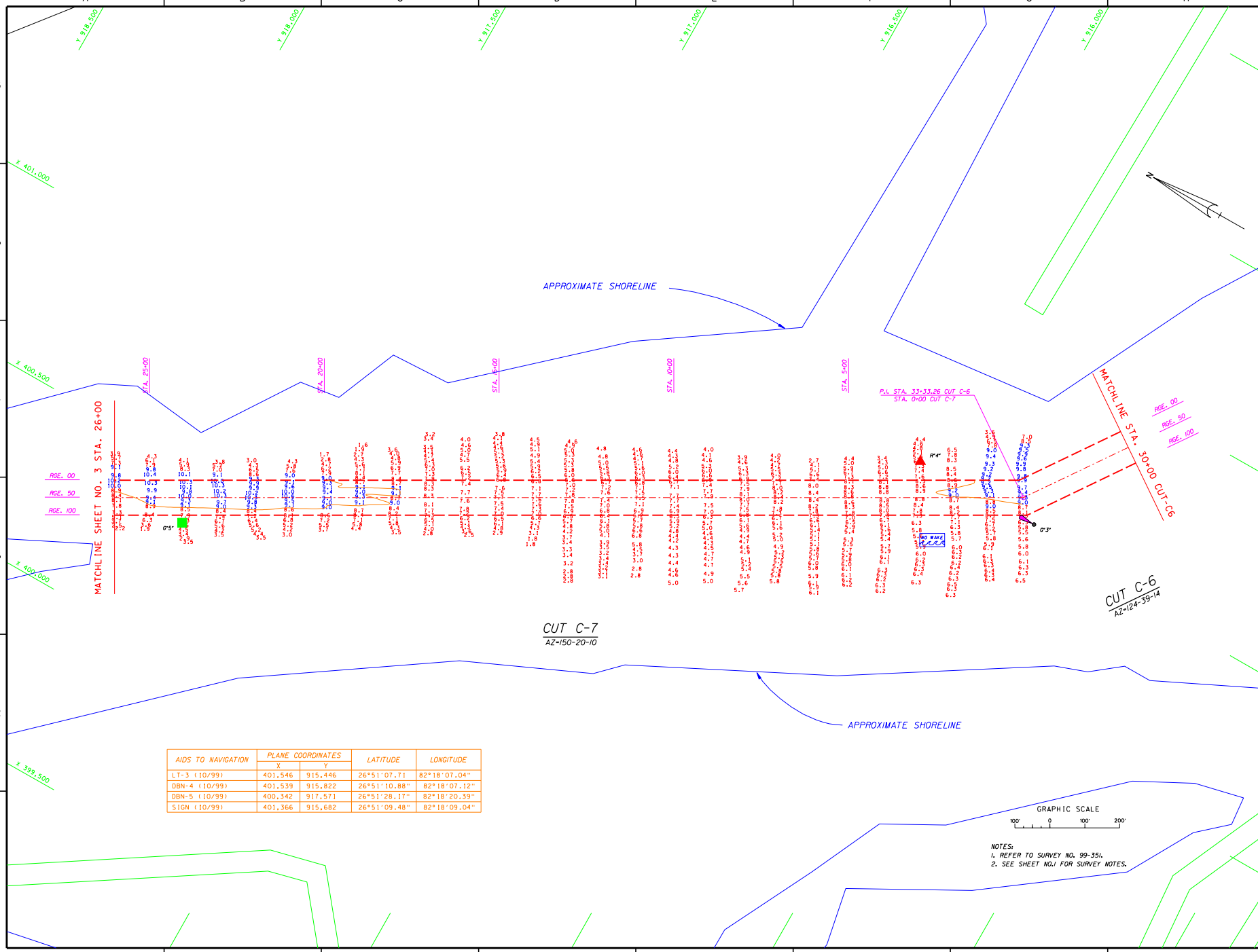
File name: A351SC1.DGN
Reference files:
BASEMAP.DGN
LAYOUT.DGN
NEWTLMAP.DGN
TOPO1.DGN
TOPO2.DGN

INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
PROJECT CONDITION SURVEY
9-FOOT PROJECT
COVER, INDEX AND LOCATION PLAN

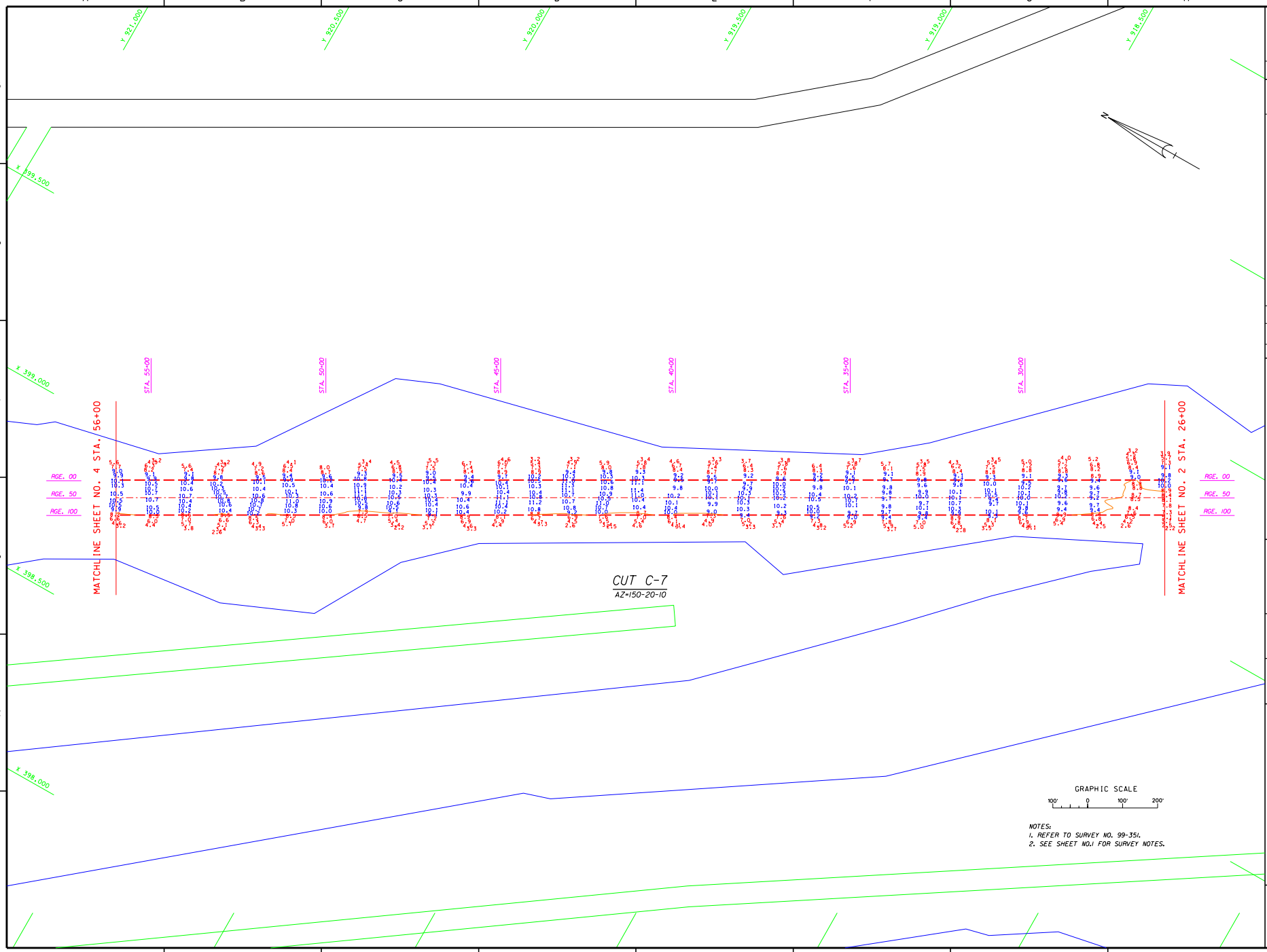
DRAWING NO.
1/27

SHEET X OF XXX

...\a351_sh01.dgn Jul. 12, 2000 14:31:54



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-3 (10/99)	401,546	915,446	26°51'07.71	82°18'07.04"
DBN-4 (10/99)	401,539	915,822	26°51'10.88"	82°18'07.12"
DBN-5 (10/99)	400,342	917,571	26°51'28.17"	82°18'20.39"
SIGN (10/99)	401,366	915,682	26°51'09.48"	82°18'09.04"



NOTES:
1. REFER TO SURVEY NO. 99-351.
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: GCK
Ckd by: WRM

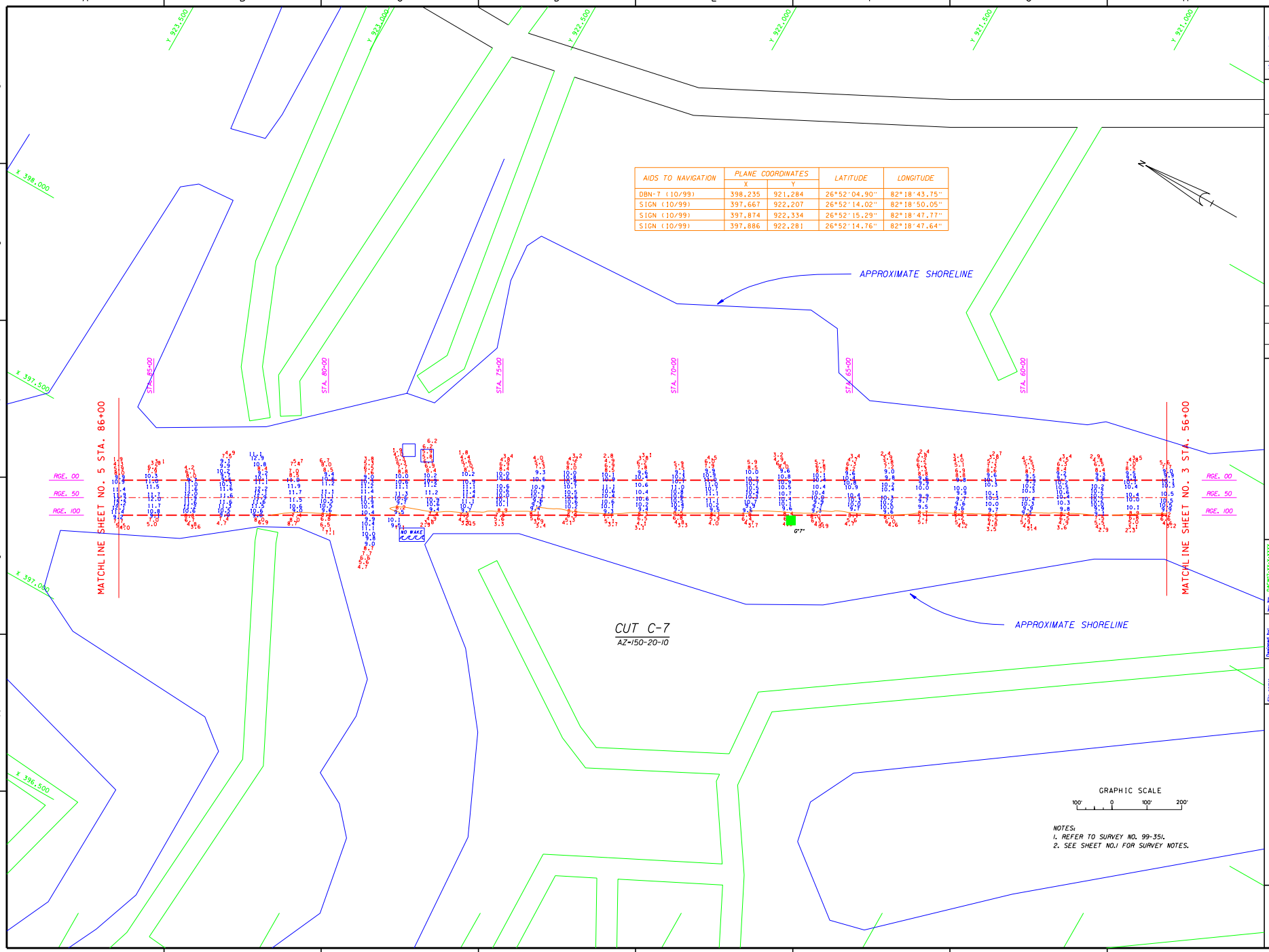
Dated: OCT 1999
D.O.FILE NO. 41-37,926

File name: A351S03.DGN
Reference files: BRDR98.DGN CHANCRAR.DGN CON_CTC.DGN TOPO1.DGN A351CC7.DGN

INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
PROJECT CONDITION SURVEY
9-FOOT PROJECT
STA. 26+00 THRU STA. 56+00 CUT C-7
PLAN

DRAWING NO.
3/27
SHEET X OF XXX

...\a351_sh03.dgn Jul. 12, 2000 14:30:35



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-7 (10/99)	398,235	921,284	26°52'04.90"	82°18'43.75"
SIGN (10/99)	397,667	922,207	26°52'14.02"	82°18'50.05"
SIGN (10/99)	397,874	922,334	26°52'15.29"	82°18'47.77"
SIGN (10/99)	397,886	922,281	26°52'14.76"	82°18'47.64"

NOTES:
1. REFER TO SURVEY NO. 99-351.
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: X X XXX XXXX
Scale: AS SHOWN
Plot date: X X XXXX
Plot scale: XX/X

Designed by: WRD
Dwn by: CDC
Ckd by: WRM
Dated: OCT 1999

D.O.FILE NO. 41-37,926

File name: A351SH1.DGN
Reference files: BGRND01.DGN
CHANCSR1.DGN
A351NAV.DGN
A351CC7.DGN
CDC01C7.DGN
TOPO1.DGN

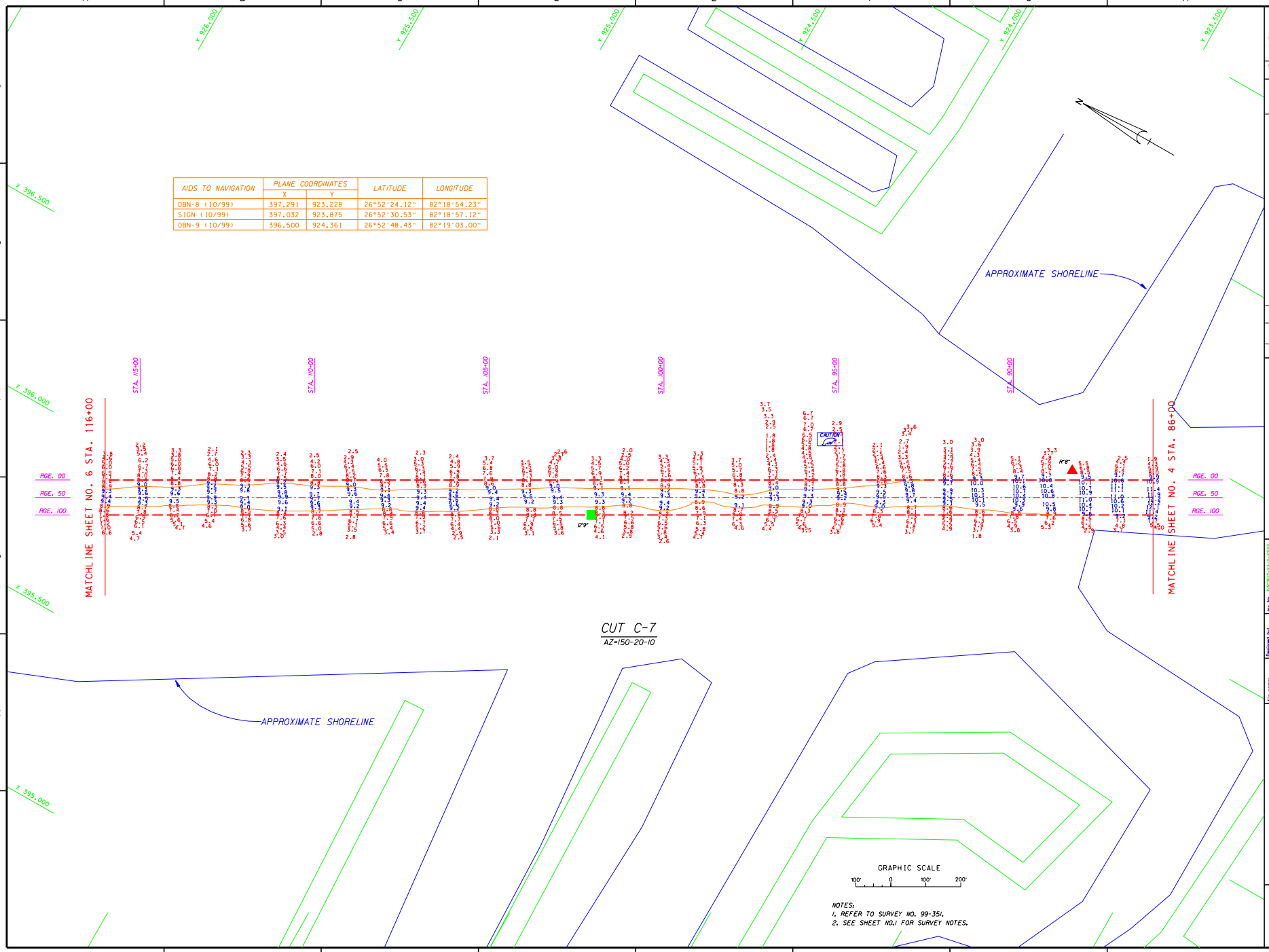
INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
PROJECT CONDITION SURVEY
9-FOOT PROJECT
STA. 56+00 THRU STA. 86+00 CUT C-7
PLAN

DRAWING NO.
4/27

SHEET X OF XXX

...\a351_sh04.dgn Jul. 12, 2000 14:29:55

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-8 (10/99)	397,291	923,228	26°52'24.12"	82°18'54.23"
SIGN (10/99)	397,032	923,875	26°52'30.53"	82°18'57.12"
DBN-9 (10/99)	396,500	924,361	26°52'48.43"	82°19'03.00"



NOTES:
1. REFER TO SURVEY NO. 99-351.
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: XXX

Designed by: WRD
Dwn by: JDC
Ckd by: WRM

Dated: OCT 1999
O.D.FILE NO. 41-37, 926

File name:
A351SH05.DGN
Reference files:
BASEMAP.DGN
CHANCFAR.DGN
A351CC7.DGN
A351NAV.DGN
CONTLCT.DGN
TOPO1.DGN

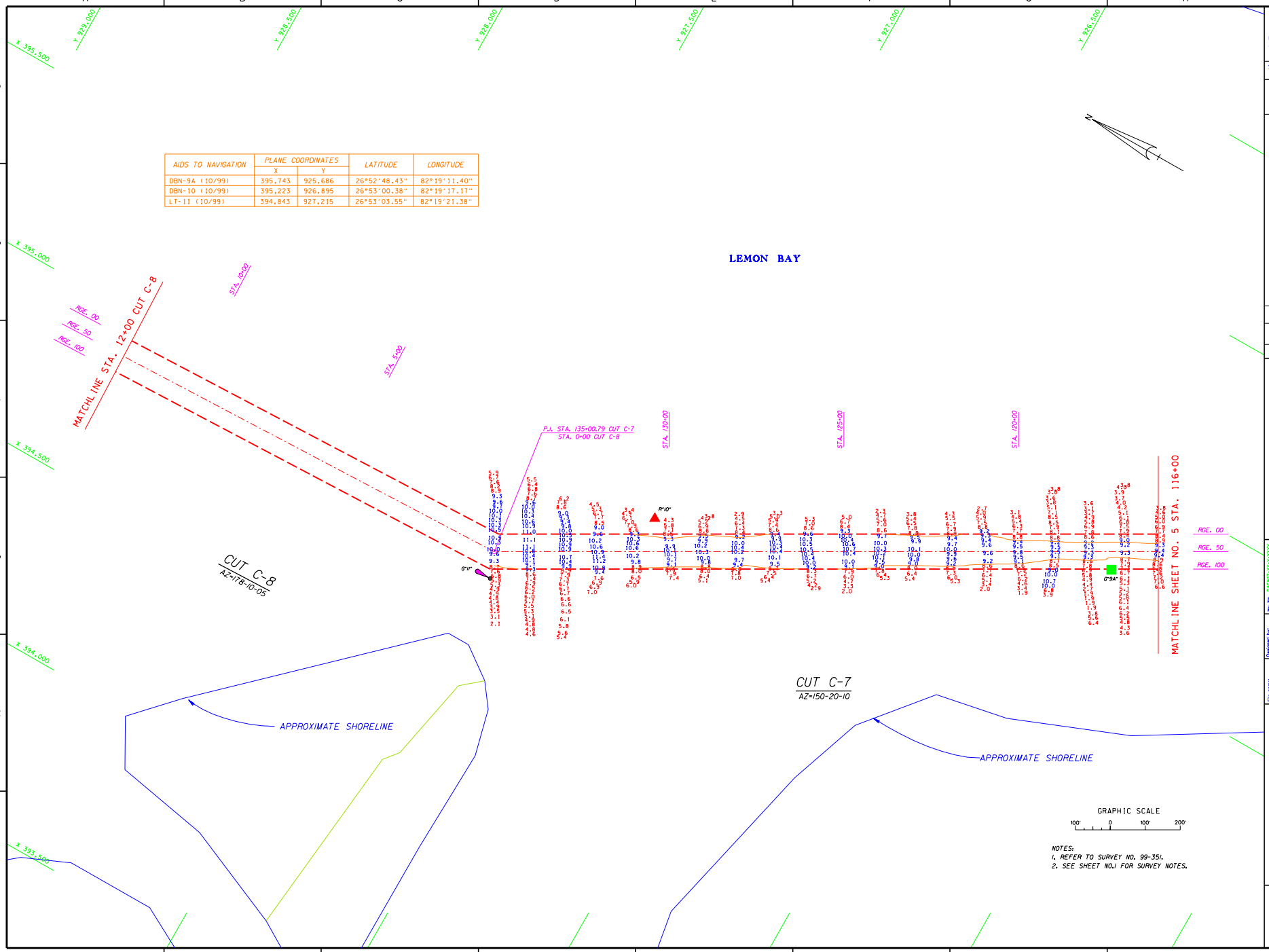
INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
PROJECT CONDITION SURVEY
9-FOOT PROJECT
STA. 86+00 THRU STA. 116+00 CUT C-7
PLAN

DRAWING NO.
5/27

SHEET X OF XXX

...\a351_sh05.dgn Jul. 12, 2000 14:29:18

AIDS TO NAVIGATION	PLANE COORDINATES X	PLANE COORDINATES Y	LATITUDE	LONGITUDE
DBN-9A (10/99)	395,743	925,686	26°52'48.43"	82°19'11.40"
DBN-10 (10/99)	395,223	926,895	26°53'00.38"	82°19'17.17"
LT-11 (10/99)	394,843	927,215	26°53'03.55"	82°19'21.38"



NOTES:
1. REFER TO SURVEY NO. 99-351.
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: XXXX
Plot time: XXXX
Plot scale: XXX

Designed by: WRM
Dwn by: CDC
Ckd by: WRM

Dated: OCT 1999

D.O.FILE NO. 41-37, 926

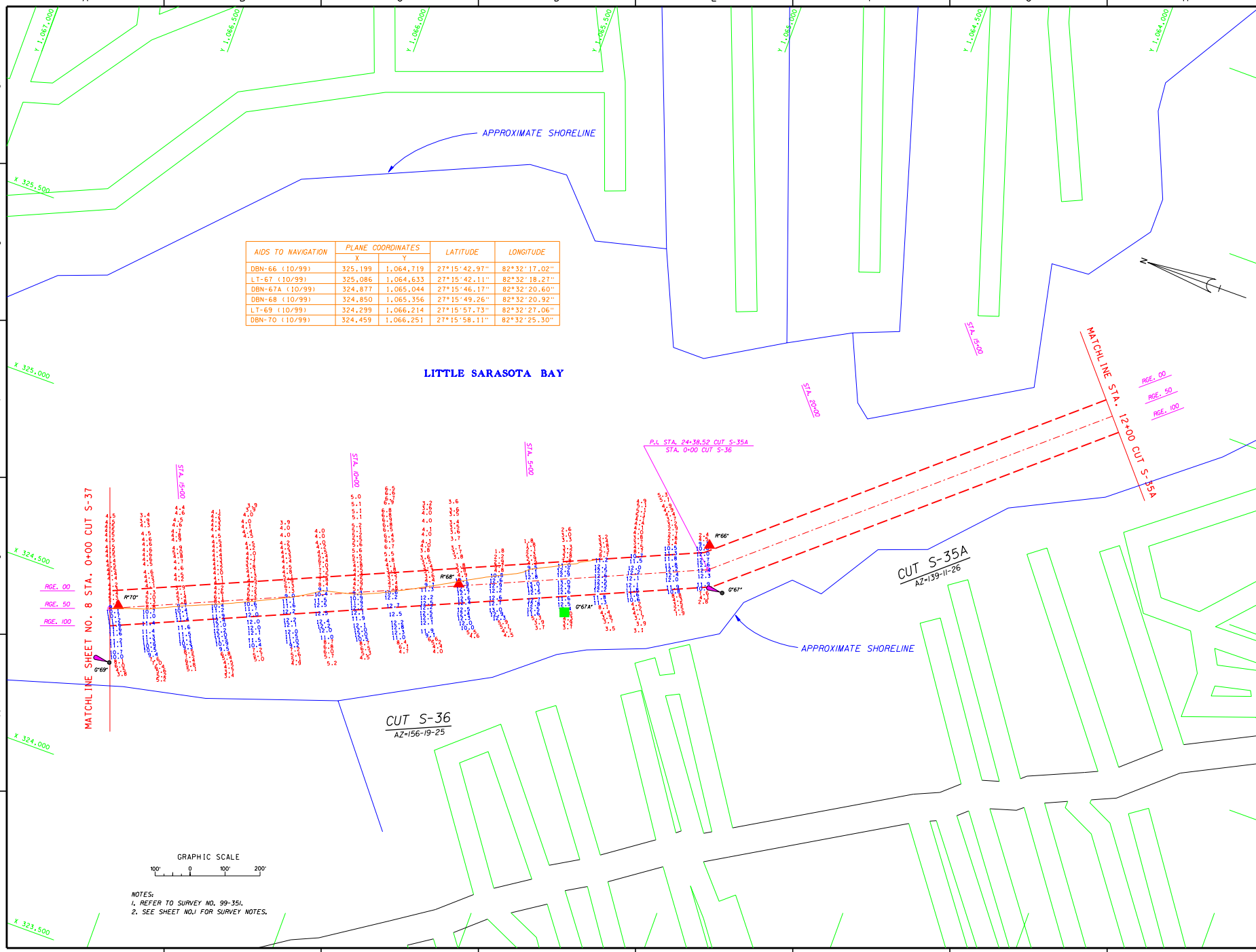
File name: A351SECE.DGN
Reference files: BGRNDXX.DGN CHARCSAR.DGN A351NAV.DGN A351CC7.DGN CONTOUR.DGN TOPO.DGN

INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
PROJECT CONDITION SURVEY
9-FOOT PROJECT
STA. 116+00 CUT C-7 THRU STA. 12+00 CUT C-8
PLAN

DRAWING NO.
6/27

SHEET X OF XXX

...\a351_sh06.dgn Jul. 12, 2000 14:28:31



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-66 (10/99)	325,199	1,064,719	27°15'42.97"	82°32'17.02"
LT-67 (10/99)	325,086	1,064,633	27°15'42.11"	82°32'18.27"
DBN-67A (10/99)	324,877	1,065,044	27°15'46.17"	82°32'20.60"
DBN-68 (10/99)	324,850	1,065,356	27°15'49.26"	82°32'20.92"
LT-69 (10/99)	324,299	1,066,214	27°15'57.73"	82°32'27.06"
DBN-70 (10/99)	324,459	1,066,251	27°15'58.11"	82°32'25.30"

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: XXXX
Plot scale: XX:X

Designed by: Dwn by: CDC
Ckd by: WRM

Dated: OCT 1999

D.O.FILE NO. 41-37, 926

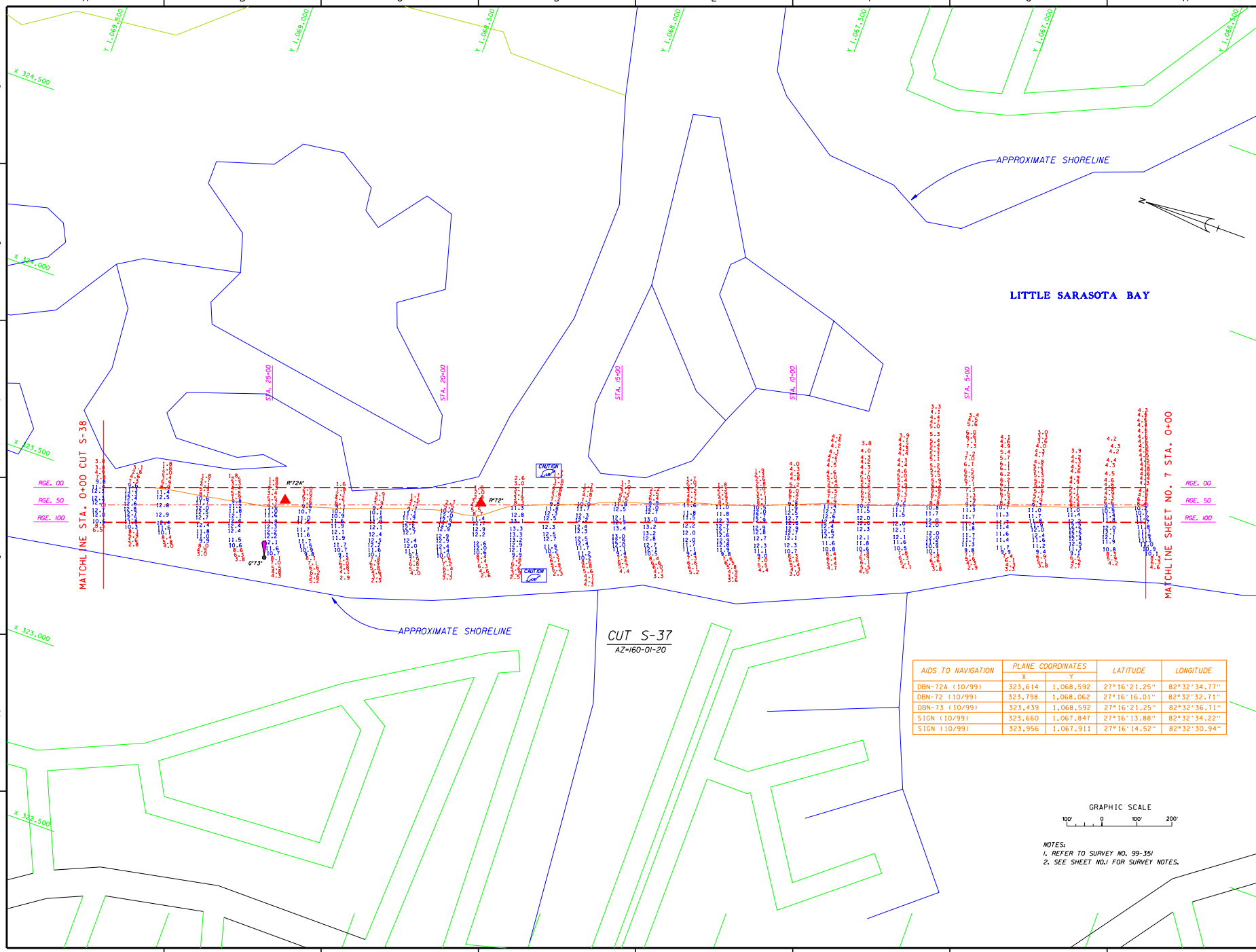
File name: A35BSUT.DGN
Reference files: BGRND01.DGN CHANGEAR.DGN A35NAV.DGN A35ICS36.DGN COAL-CT.DGN DPOL.DGN

INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
PROJECT CONDITION SURVEY
9-FOOT PROJECT
STA. 12+00 CUT S-35A THRU STA 0+00 CUT S-37
PLAN

DRAWING NO.
7/27

SHEET X OF XXX

...\a351_sh07.dgn Jul. 12, 2000 14:27:49



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-72A (10/99)	323,614	1,068,592	27°16'21.25"	82°32'34.77"
DBN-72 (10/99)	323,798	1,068,062	27°16'16.01"	82°32'32.71"
DBN-73 (10/99)	323,439	1,068,592	27°16'21.25"	82°32'36.71"
SIGN (10/99)	323,660	1,067,847	27°16'13.88"	82°32'34.22"
SIGN (10/99)	323,956	1,067,911	27°16'14.52"	82°32'30.94"

NOTES:
1. REFER TO SURVEY NO. 99-351
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. CALNVIT-XX-X-XXXX
Dated: X X XXX XXXX
Scale: AS SHOWN
Plot number: X X XXXX
Plot scale: XX/X

Designed by: WRD
Dwn by: CDC
Ckd by: WRM

Dated: OCT 1999
D.O.FILE NO. 41-37, 926

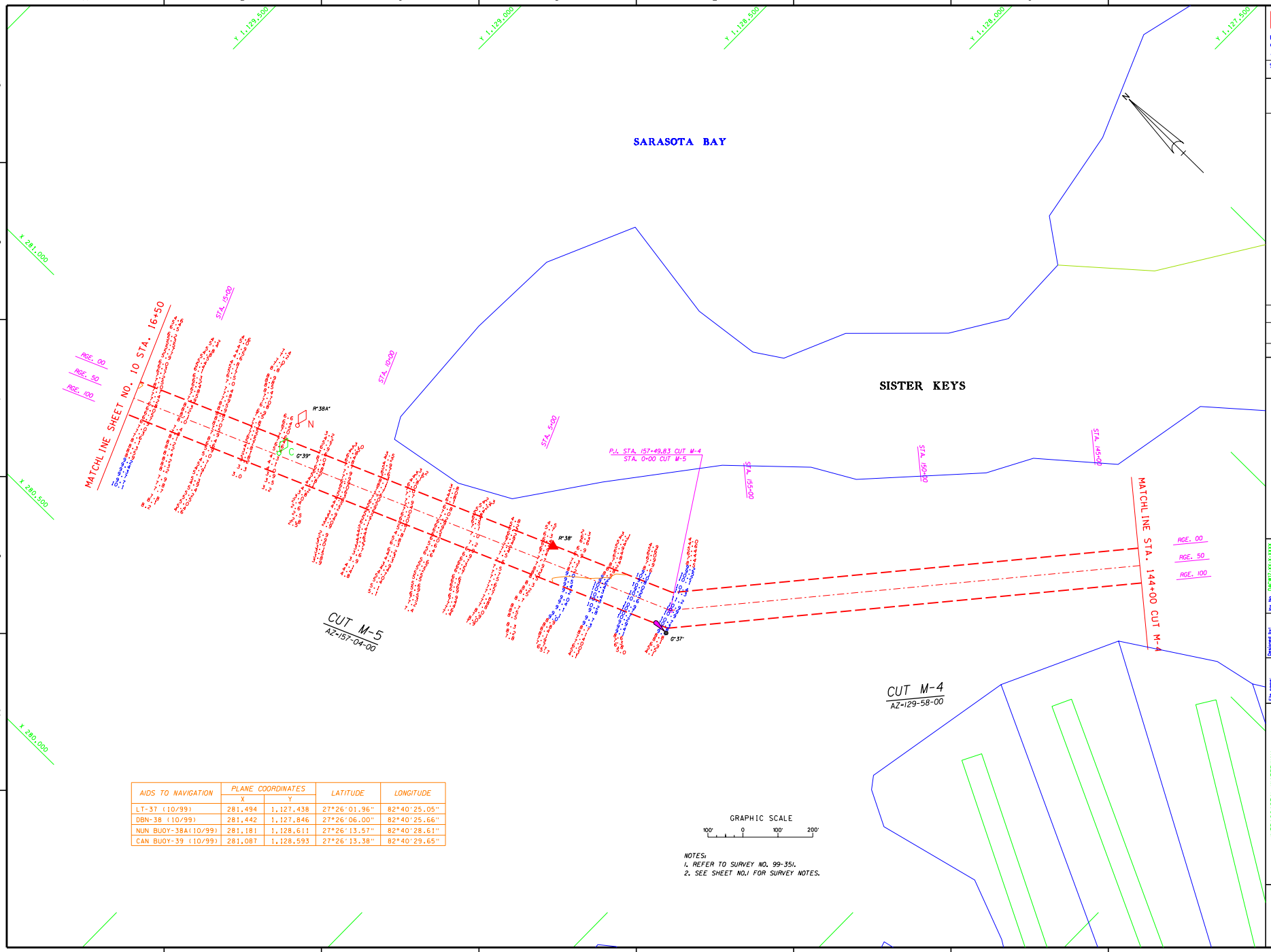
File name: A351SUT.DGN
Reference files: BASEMAP.DGN
CHARCSR.DGN
A351NAV.DGN
A351CS37.DGN
A351CS38.DGN
TOPO1.DGN

INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
PROJECT CONDITION SURVEY
9-FOOT PROJECT
STA. 0+00 CUT S-37 THRU STA. 0+00 CUT S-38
PLAN

DRAWING NO.
8/27

SHEET X OF XXX

...\a351_sh08.dgn Jul. 12, 2000 14:27:02



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-37 (10/99)	281,494	1,127,438	27°26'01.96"	82°40'25.05"
DBN-38 (10/99)	281,442	1,127,846	27°26'06.00"	82°40'25.66"
NUN BUOY-38A(10/99)	281,181	1,128,611	27°26'13.57"	82°40'28.61"
CAN BUOY-39 (10/99)	281,087	1,128,593	27°26'13.38"	82°40'29.65"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 99-351.
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

Eng. No. DACW17-XX-X-XXXX
Date: XX XXX XXXX
Plot date: XX XX-XXX
Plot scale: XXX

Designed by: WRM
Dwn by: CDK
Chk by: WRM

Date: OCT 1999
D.O.FILE NO. 41-37.926

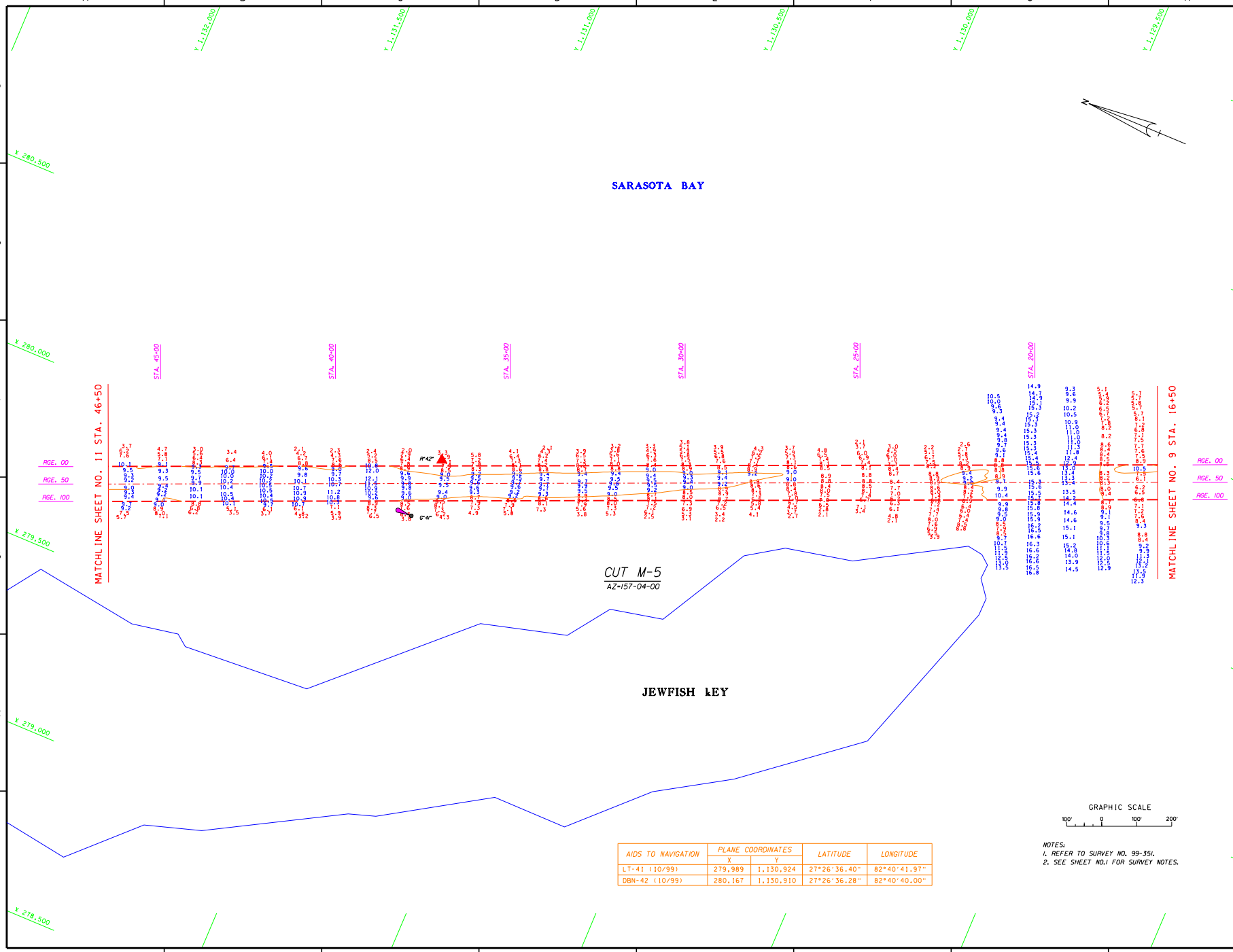
File name: 351SH09.DGN
Reference files: BEGRIB.DGN CHANGER.DGN 351NAV.DGN 351CMS.DGN 351SH01.DGN TOPO1.DGN

INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
PROJECT CONDITION SURVEY
9-FOOT PROJECT
STA.144+00 CUT M-4 THRU STA.16+50 CUT M-5
PLAN

DRAWING NO.
9/27

SHEET X OF XXX

...\a351_sh09.dgn Jul. 12, 2000 14:26:23



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-41 (10/99)	279,989	1,130,924	27°26'36.40"	82°40'41.97"
DBN-42 (10/99)	280,167	1,130,910	27°26'36.28"	82°40'40.00"

NOTES:
1. REFER TO SURVEY NO. 99-351.
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
Project Number: XXXX
Plot scale: XXX

Designed by: WRD
Dwn by: JDK
Ckd by: JRM

Date: OCT 1999

D.O.FILE NO. 41-37,926

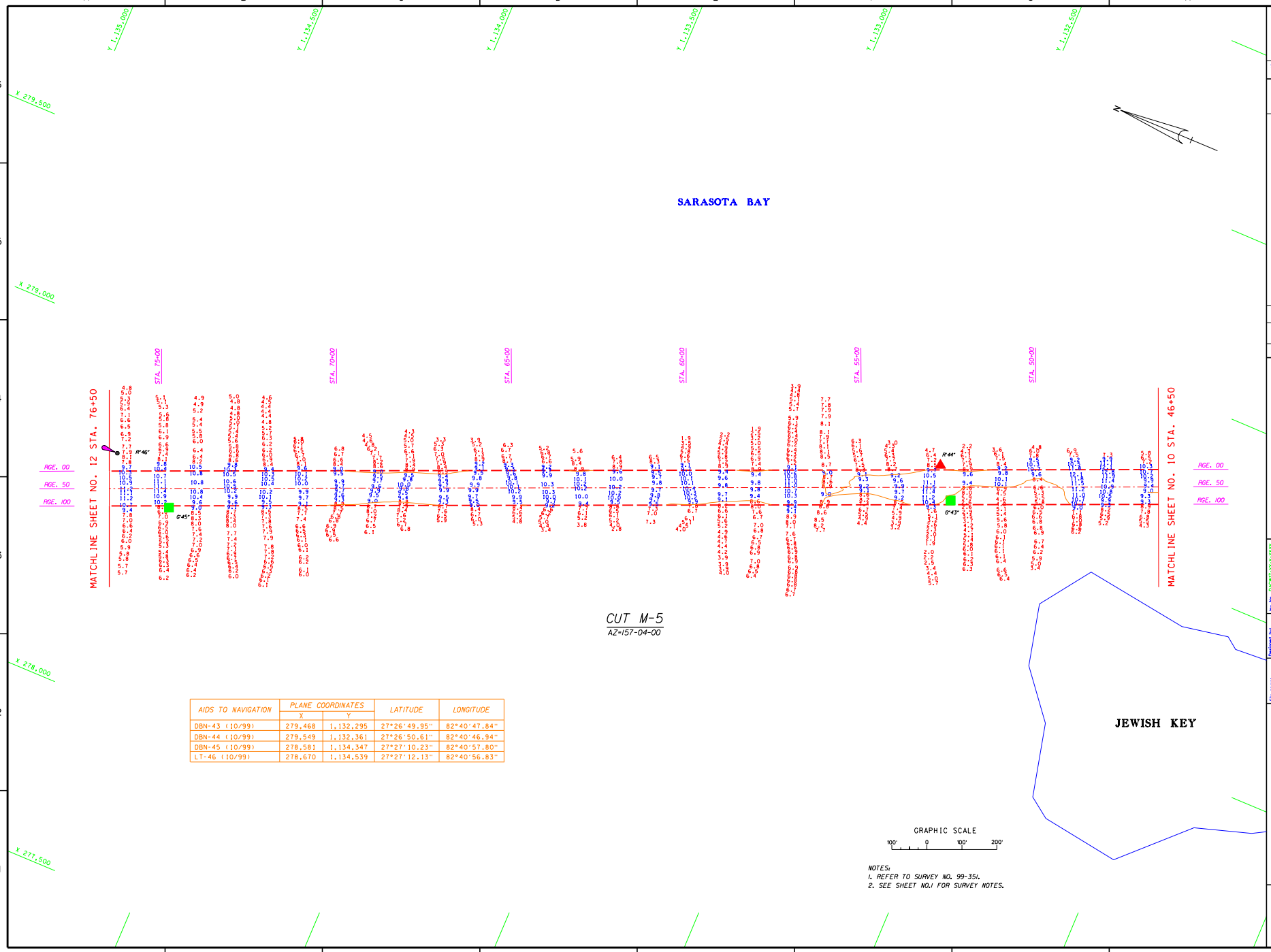
File name: A351SH10.DGN
Reference files: BASEMAP.DGN CHANCPAR.DGN A351NAV.DGN A351CNS.DGN CONLCTMUDA TOPO.DGN

INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
PROJECT CONDITION SURVEY
9-FOOT PROJECT
STA. 16+50 THRU STA. 46+50 CUT M-5
PLAN

DRAWING NO.
10/27

SHEET X OF XXX

...\a351_sh10.dgn Jul. 12, 2000 14:25:41



AIDS TO NAVIGATION	PLANE COORDINATES X	PLANE COORDINATES Y	LATITUDE	LONGITUDE
DBN-43 (10/99)	279,468	1,132,295	27°26'49.95"	82°40'47.84"
DBN-44 (10/99)	279,549	1,132,361	27°26'50.61"	82°40'46.94"
DBN-45 (10/99)	278,581	1,134,347	27°27'10.23"	82°40'57.80"
LT-46 (10/99)	278,670	1,134,539	27°27'12.13"	82°40'56.83"

NOTES:
1. REFER TO SURVEY NO. 99-351.
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
Dwgs#: XX XXX XXXX
Scale: AS SHOWN
Plot Scale: 1" = xxx
Plot scale: XTX
Dated: OCT 1999
D.O.FILE NO. 41-37.926

Designed by: Dwn by: CDK
Chk by: WRU

File name: A351SH11.DGN
Reference files: A351SH10.DGN CHANGE48.DGN A351CM5.DGN A351MV1.DGN A351MV2.DGN TOPO1.DGN

INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
PROJECT CONDITION SURVEY
9-FOOT PROJECT
STA.46+50 THRU STA. 76+50 CUT M-5
PLAN

DRAWING NO.
11/27
SHEET X OF XXX

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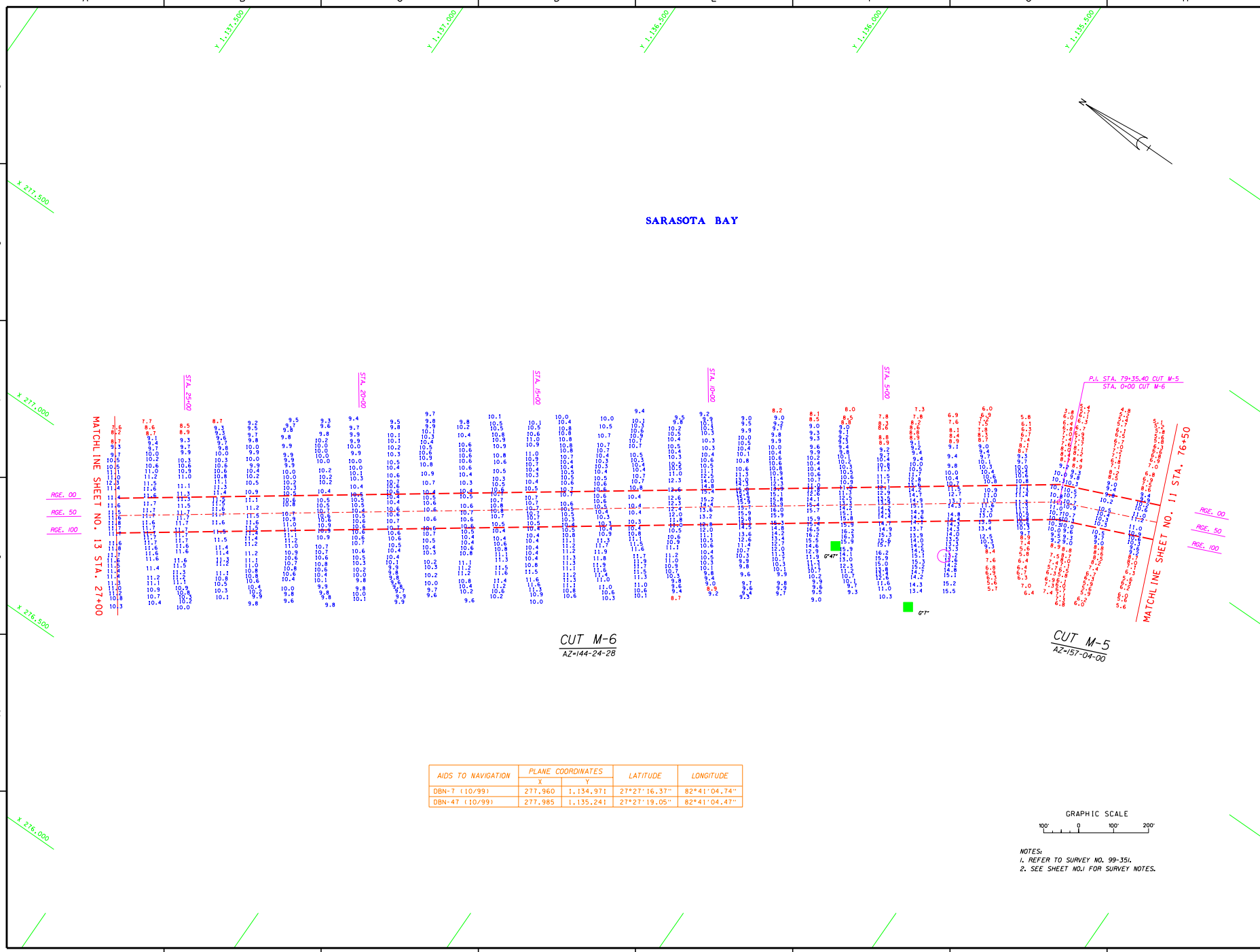


AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-7 (10/99)	277,960	1,134,971	27°27'16.37"	82°41'04.74"
DBN-47 (10/99)	277,985	1,135,241	27°27'19.05"	82°41'04.47"

NOTES:
1. REFER TO SURVEY NO. 99-351.
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

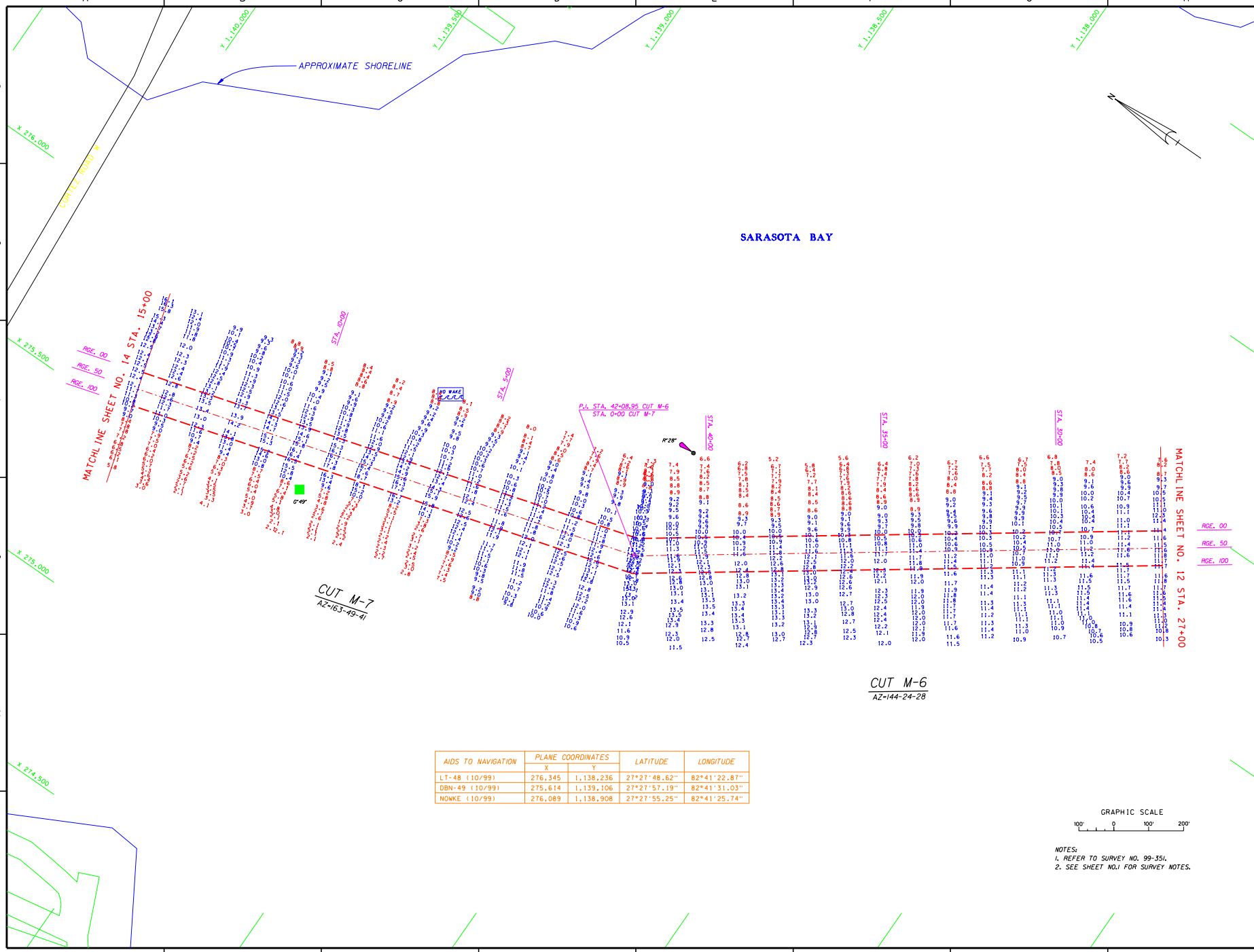
Inv. No. DACW17-XX-X-XXXX
Dated: XX XXX XXXX
Designed by: WRM
Dwn by: CDK
Ckd by: WRM
Scale: AS SHOWN
Plot number: XXXX
Plot scale: XX:X
Dated: OCT 1999
D.O.FILE NO. 41-37, 926

File name: A351SH12.DGN
Reference Files: BGRWD01.DGN CHANCSR.DGN A351NAV.DGN A351CNS.DGN A351CMB.DGN

INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
PROJECT CONDITION SURVEY
9-FOOT PROJECT
STA. 76+50 CUT M-5 THRU STA. 27+00 CUT M-6
PLAN

DRAWING NO.
12/27
SHEET X OF XXX

...\a351_sh12.dgn Jul. 12, 2000 14:23:47



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-48 (10/99)	276,345	1,138,236	27°27'48.62"	82°41'22.87"
DBN-49 (10/99)	275,614	1,139,106	27°27'57.19"	82°41'31.03"
NOWKE (10/99)	276,089	1,138,908	27°27'55.25"	82°41'25.74"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 99-351.
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: XXXX
Plot name: XXX.X

Designed by: WRD
Dwn by: CDC
Ckd by: JRM

Dated: OCT 1999

D.O.FILE NO. 41-37, 926

File name:
A351SL1.DGN
Reference files:
BORDER.DGN
CHARCSR.DGN
A351NAV.DGN
A351MOV.DGN
A351SUR.DGN
CON_CTM.DGN
TOPO.DGN

INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
PROJECT CONDITION SURVEY
9-FOOT PROJECT
STA. 27+00 CUT M-6 THRU STA. 15+00 CUT M-7
PLAN

DRAWING NO.
13/27

SHEET X OF XXX

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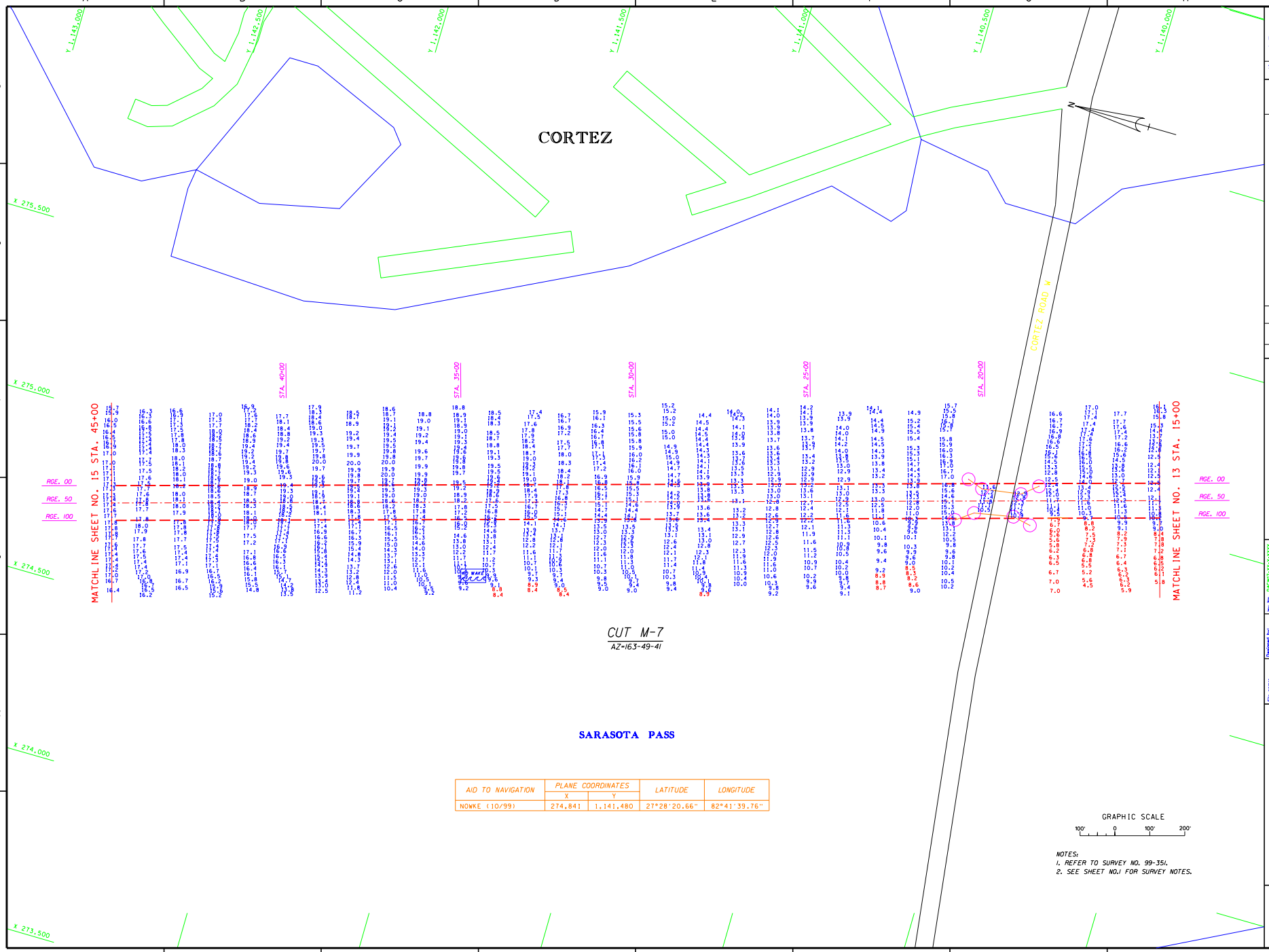


AID TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
NOWKE (10/99)	274,841	1,141,480	27°28'20.66"	82°41'39.76"

NOTES:
1. REFER TO SURVEY NO. 99-351.
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. CALNV17-XX-X-XXXX
Dated: X X XXX XXXX
Scale: AS SHOWN
Plot number: XXXX
Plot scale: XX.X
D.O.FILE NO. 41-37, 926
Dated: OCT 1999

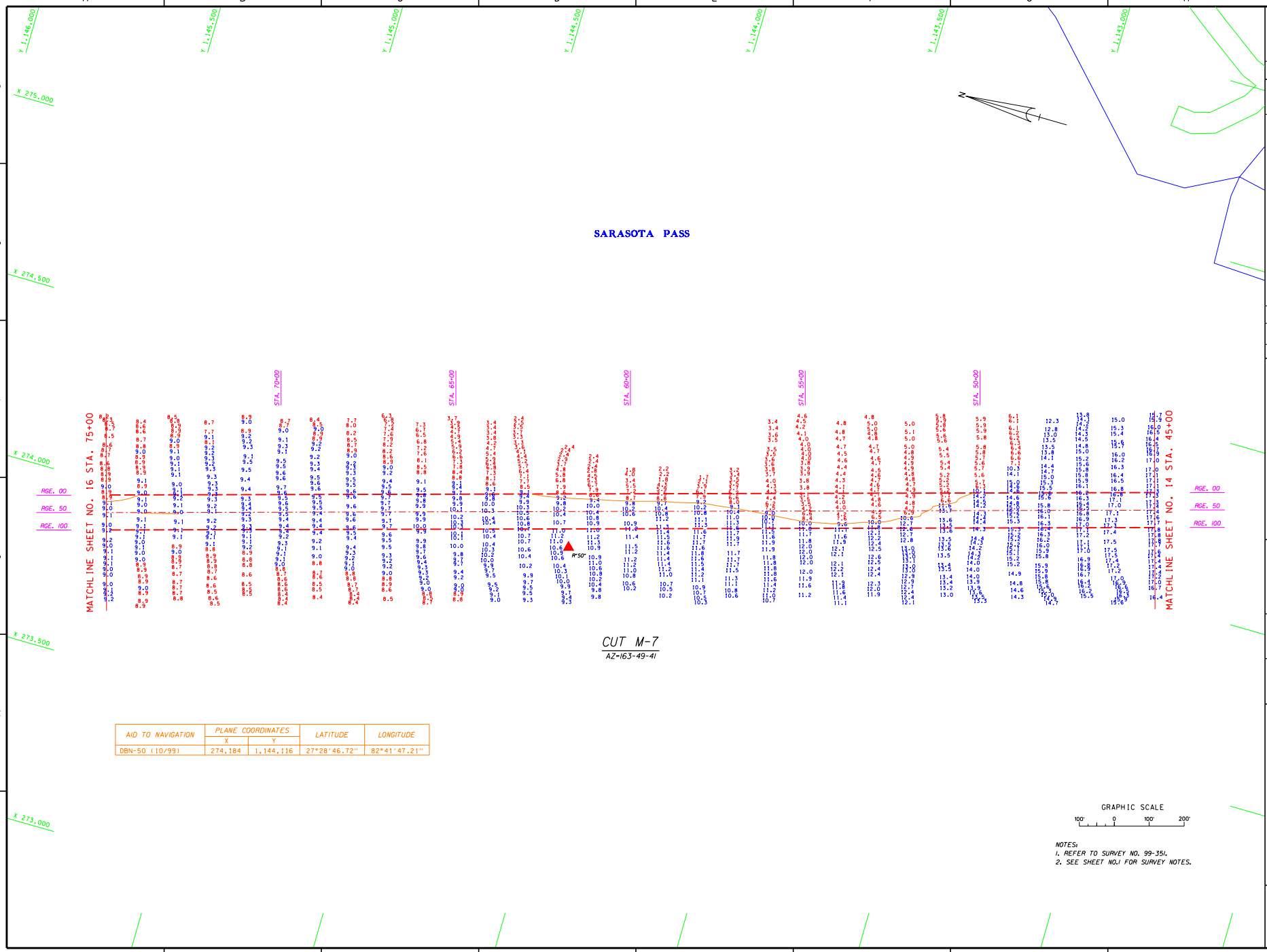
Designed by: WRD
Dwn by: CDC
Ckd by: WRM

File name: A351SH14.DGN
Reference files: BGRNDXX.DGN CHANCSR.DGN A351NAV.DGN A351CMT.DGN A351CUT.DGN TOPO1.DGN

INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
PROJECT CONDITION SURVEY
9-FOOT PROJECT
STA. 15+00 THRU STA. 45+00 CUT M-7
PLAN

DRAWING NO.
14/27
SHEET X OF XXX

...\a351_sh14.dgn Jul. 12, 2000 14:21:34



CUT M-7
AZ=163-49-41

AID TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-50 (10/99)	274,184	1,144,116	27°28'46.72"	82°41'47.21"

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 99-351.
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: XXXX
Plot scale: XX:X

Designed by: WRD
Dwn by: CDC
Ckd by: WRM
Dated: OCT. 1999

D.O.FILE NO. 41-37, 926

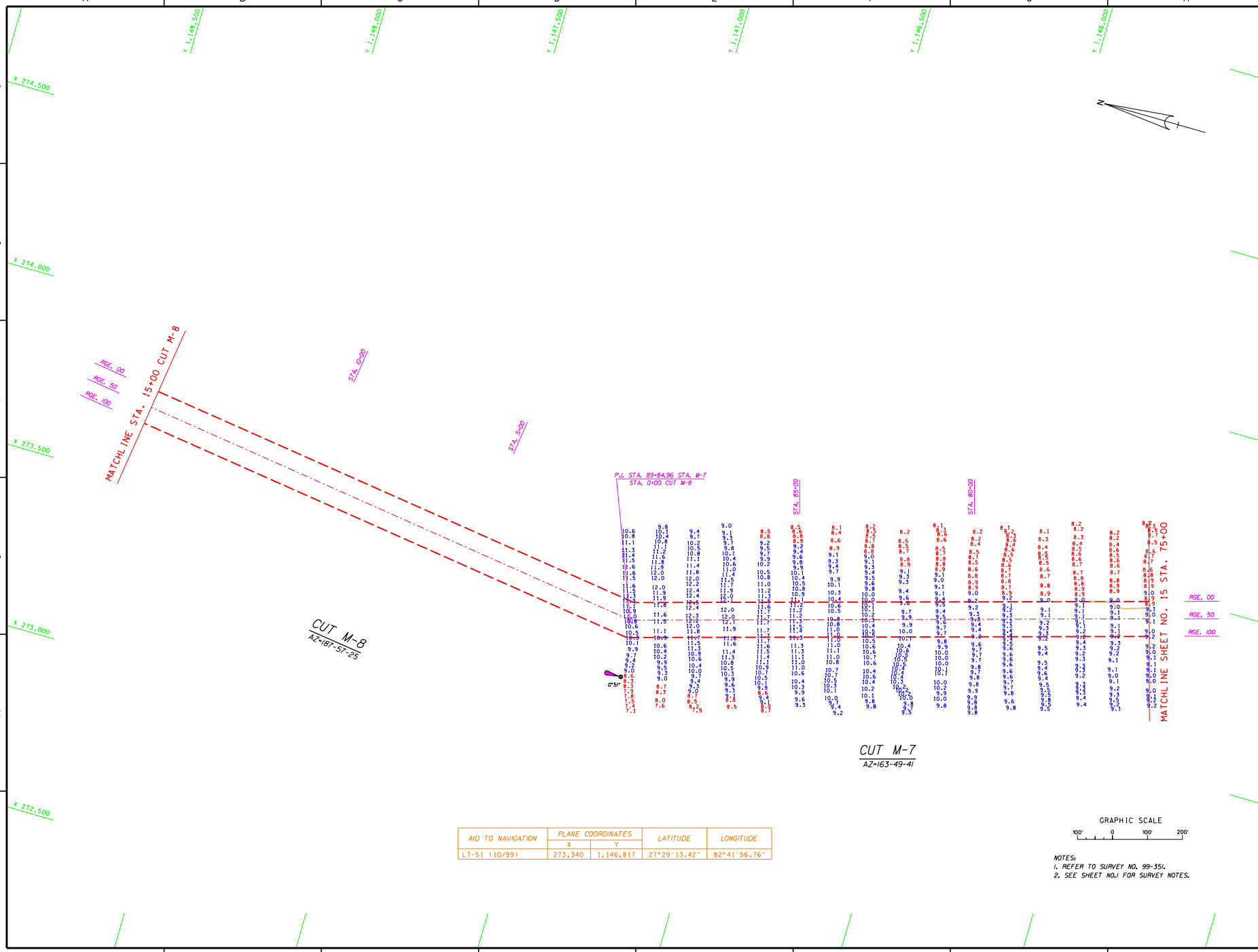
File name: A351SL1.DGN
Reference files: BORDER.DGN CHANCFAR.DGN A351CM7.DGN A351NAV.DGN FORM17.DGN TOPO1.DGN

INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
PROJECT CONDITION SURVEY
9-FOOT PROJECT
STA. 45+00 THRU STA. 75+00 CUT M-7
PLAN

DRAWING NO.
15/27

SHEET X OF XXX

...\a351_sh15.dgn Jul. 12, 2000 14:20:51



AID TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-51 (10/99)	273,340	1,146,817	27°29'13.42"	82°41'56.76"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 99-351.
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

D.O.FILE NO. 41-37,926
Dated: OCT 1999

Designed by: WRD
Dwn by: CDK
Ckd by: JMM

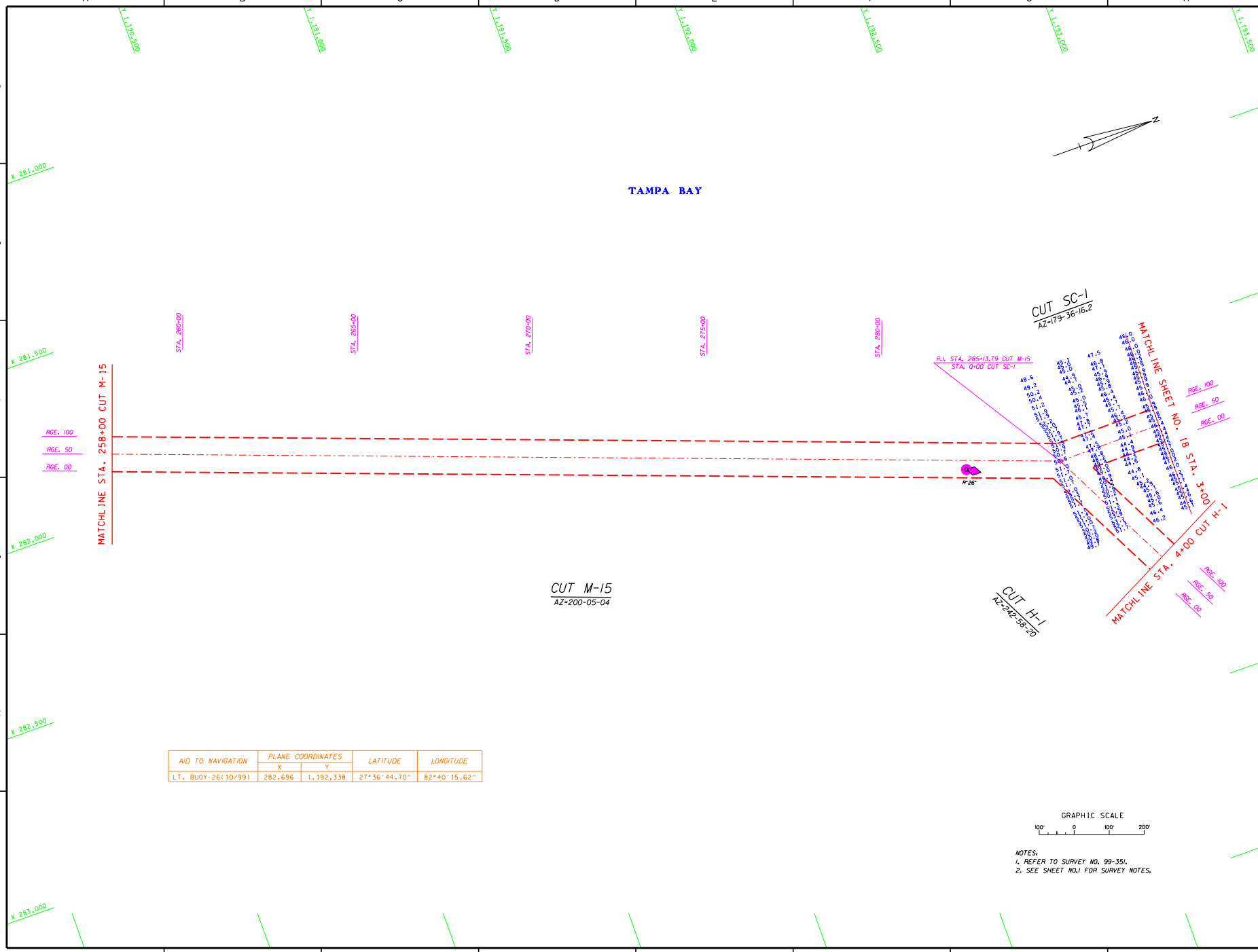
File name: A351SLD.DGN
Reference files: BGRNDXX.DGN CHARCSR.DGN A351CMT.DGN A351NAV.DGN CORL-CTM.DGN

INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
PROJECT CONDITION SURVEY
9-FOOT PROJECT
STA. 75+00 CUT M-7 THRU STA. 15+00 CUT M-8
PLAN

DRAWING NO.
16/27

SHEET X OF XXX

...\a351_sh16.dgn Jul. 12, 2000 14:20:10



AID TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-26(10/99)	282,696	1,192,338	27°36'44.70"	82°40'15.62"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 99-351.
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: X X XXX XXXX
Scale: AS SHOWN
Plot date: X X XXXX
Plot scale: XXX

Designed by: WRP
Dwn by: SDC
Ckd by: WRW

D.O.FILE NO. 41-37, 926
Dated: OCT 1999

File name: A35SITE.DGN
Reference files: BGRNDXX.DGN CHANCSR.DGN A35NAV.DGN A35ISCL.DGN

INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
PROJECT CONDITION SURVEY
9-FOOT PROJECT
STA. 258+00 CUT M-15 THRU STA. 3+00 CUT SC-1
PLAN

DRAWING NO.
17/27

SHEET X OF XXX

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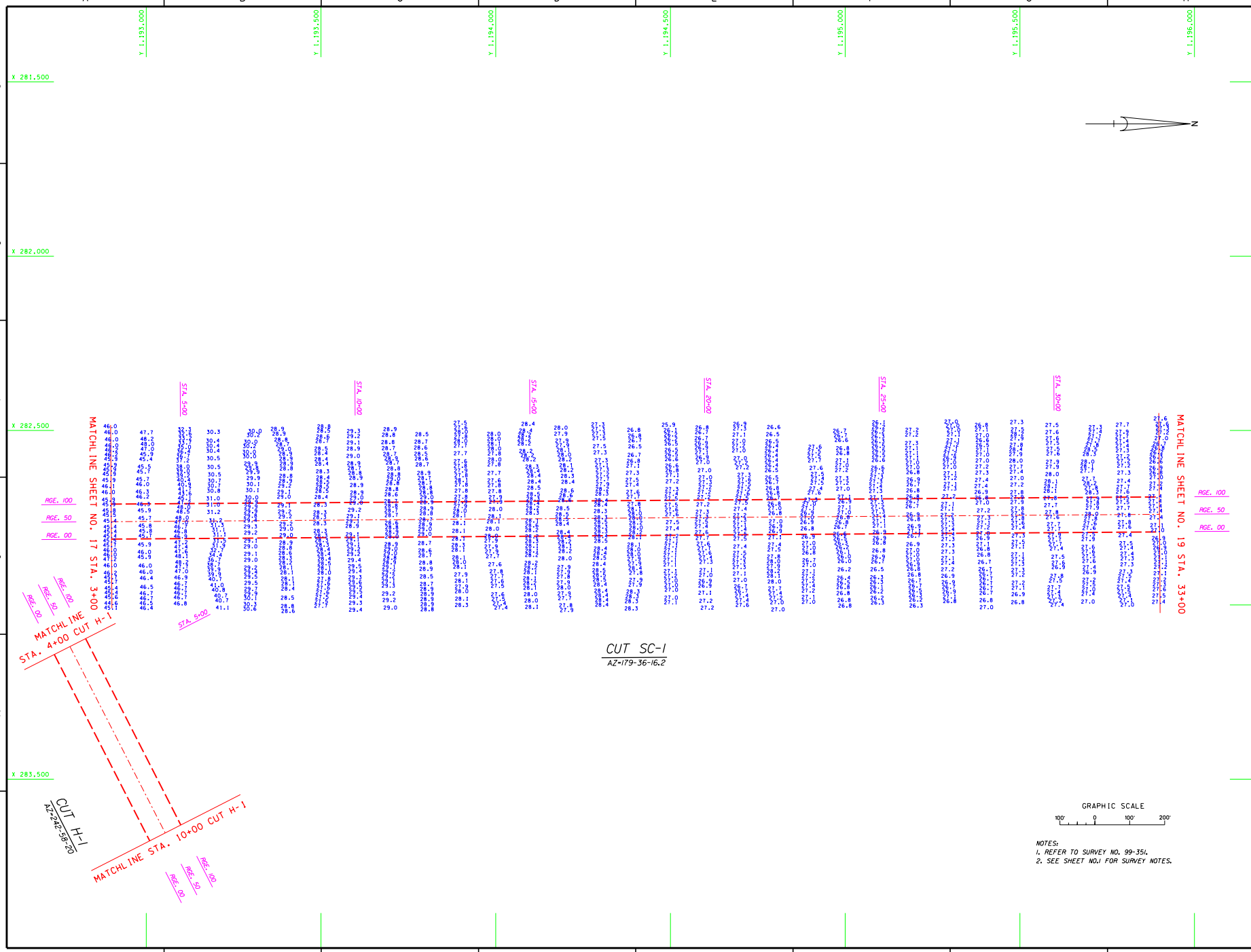

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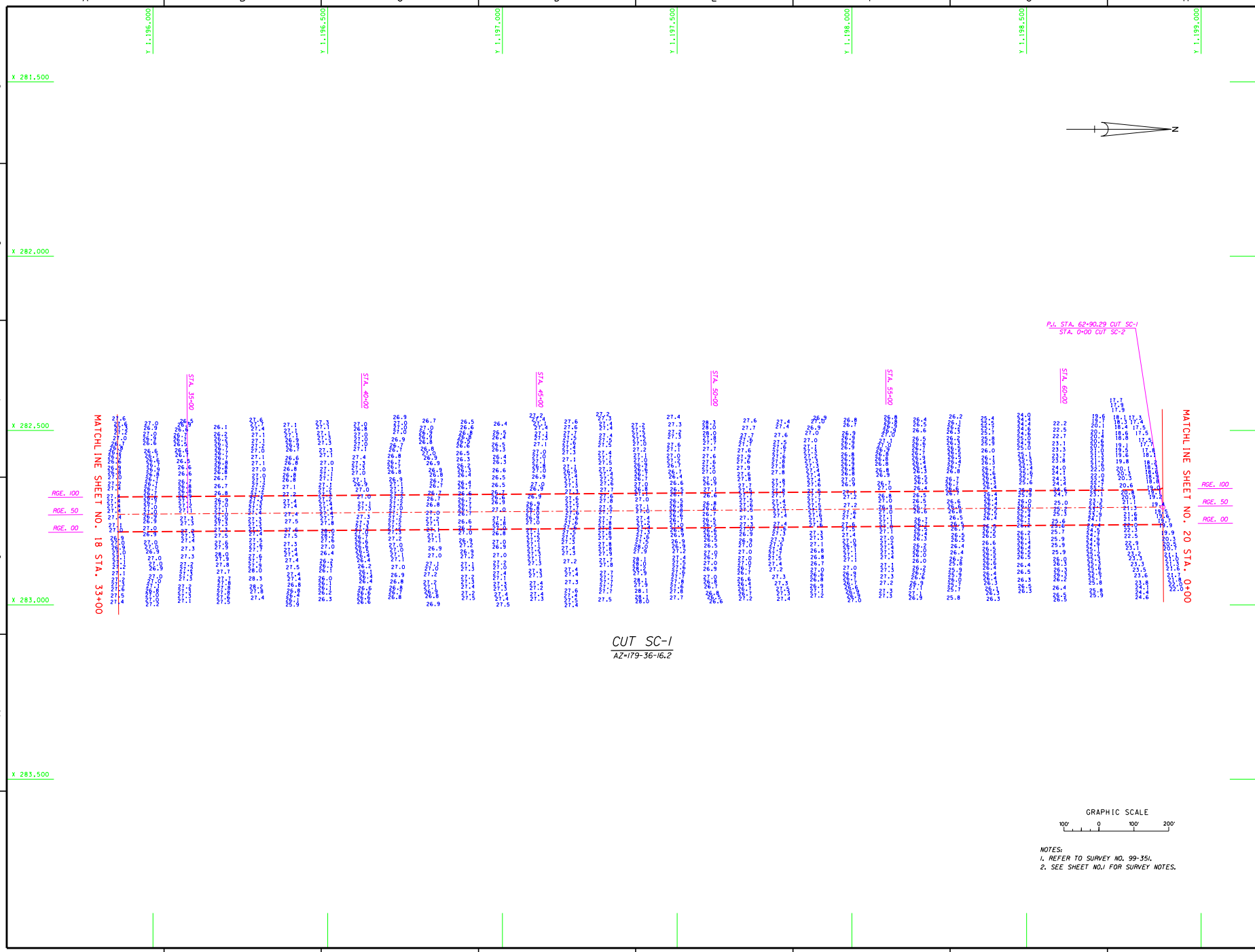


NOTES:
1. REFER TO SURVEY NO. 99-351.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

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: XXX

Designed by: WRM
Dwn by: GCK
Ckd by: WRM

Dated: OCT 1999
D.O.FILE NO. 41-37,926

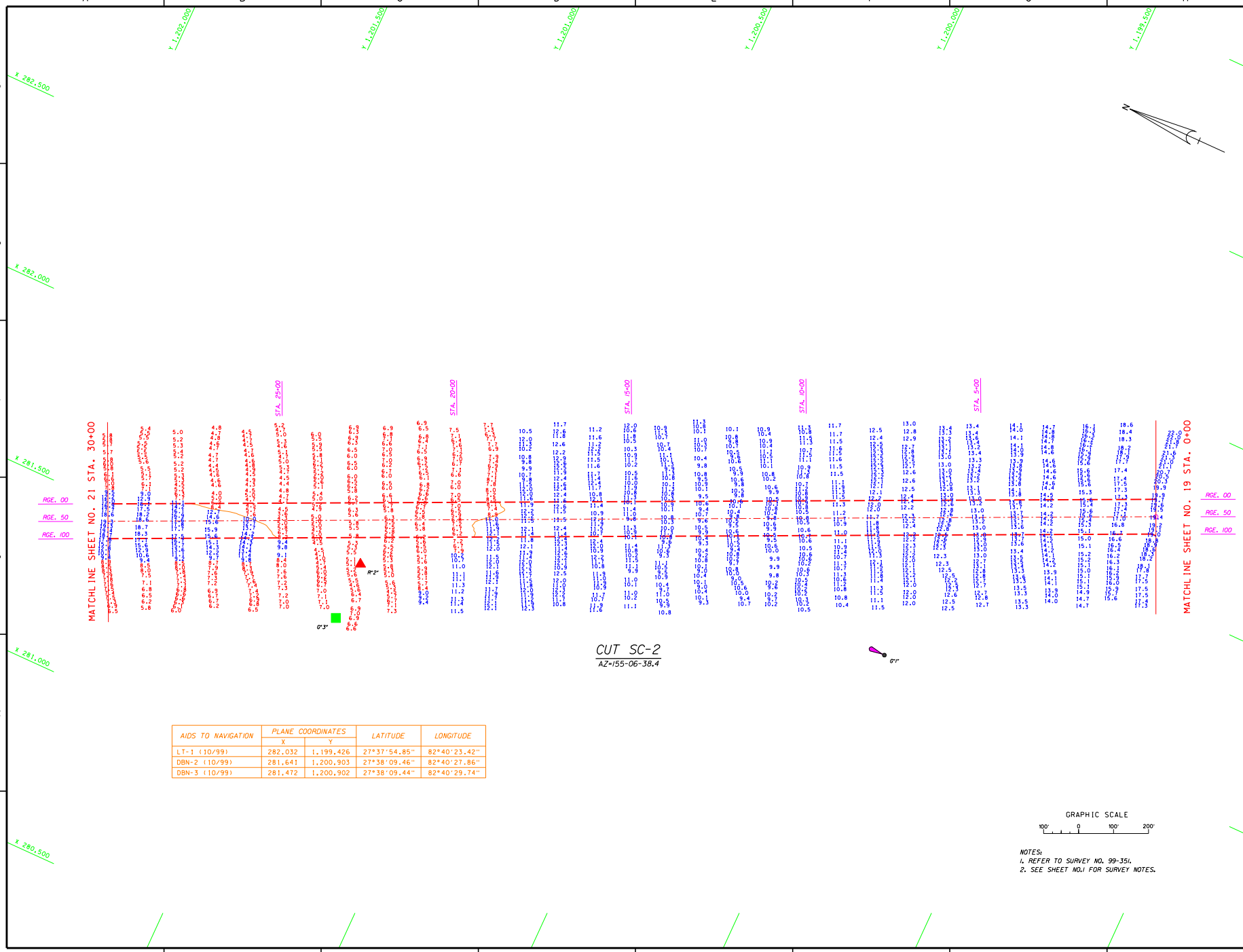
File name: A351S19.DGN
Reference files: BRDR98.DGN CHANCRA98.DGN A351SC1.DGN

INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
PROJECT CONDITION SURVEY
9-FOOT PROJECT
STA 33+00 CUT SC-1 THRU STA. 0+00 CUT SC-2
PLAN

DRAWING NO.
19/27

SHEET X OF XXX

...\a351_sh19.dgn Jul. 12, 2000 14:18:13



CUT SC-2

AZ=155-06-38.4

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-1 (10/99)	282,032	1,199,426	27°37'54.85"	82°40'23.42"
DBN-2 (10/99)	281,641	1,200,903	27°38'09.46"	82°40'27.86"
DBN-3 (10/99)	281,472	1,200,902	27°38'09.44"	82°40'29.74"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 99-351.
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: XXX

Designed by: WRM
Dwn by: GCK
Ckd by: WRM

Date: OCT 1999
D.O.FILE NO. 41-27, 926

File name: A351S20.DGN
Reference files: BRDR98.DGN CHANCR48.DGN A351SC2.DGN A351NAV.DGN CON_CTSC.DGN

INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
PROJECT CONDITION SURVEY
9-FOOT PROJECT
STA. 0+00 THRU STA. 30+00 CUT SC-2
PLAN

DRAWING NO.
20/27

SHEET X OF XXX

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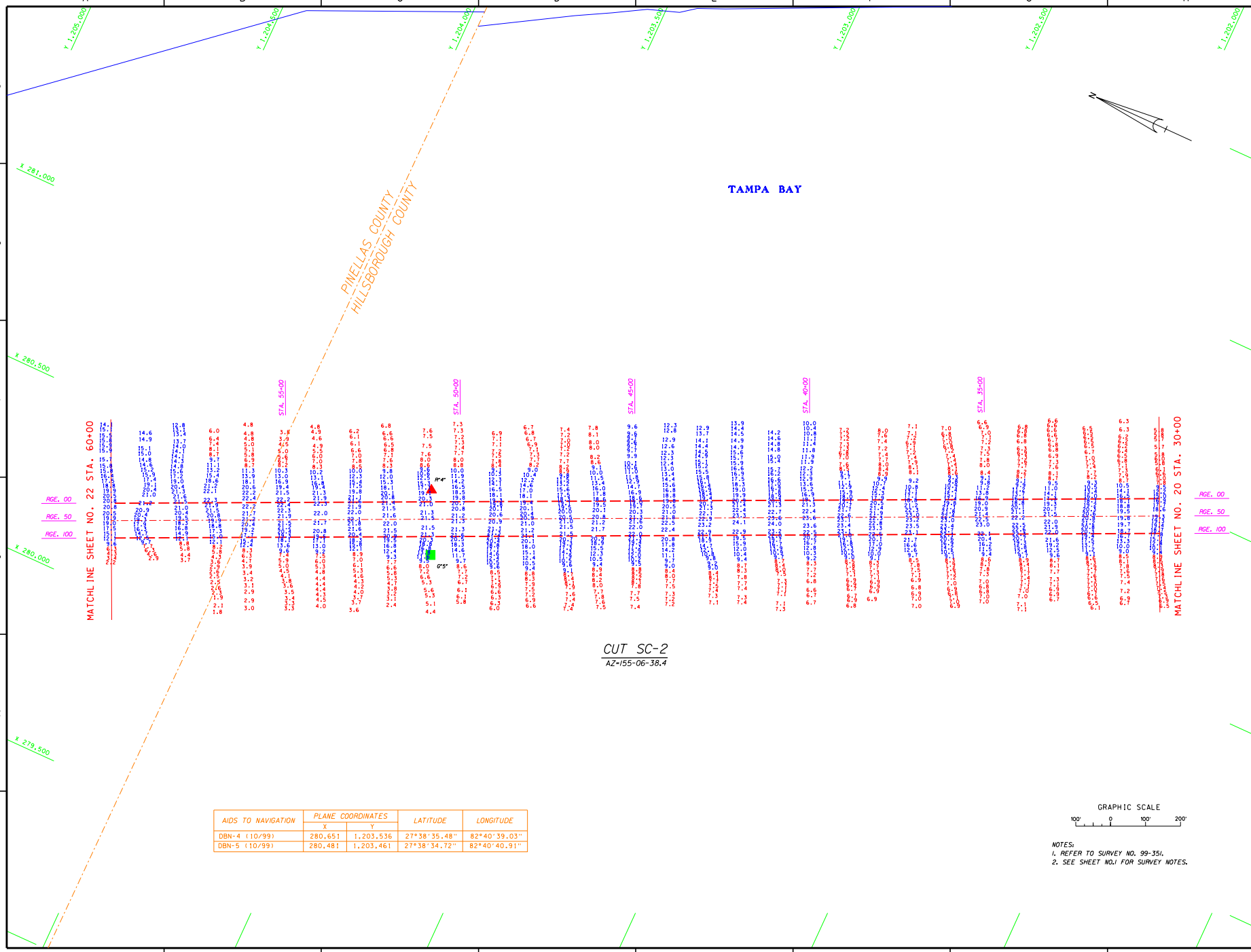


CUT SC-2
AZ=155-06-38.4

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-4 (10/99)	280,651	1,203,536	27°38'35.48"	82°40'39.03"
DBN-5 (10/99)	280,481	1,203,461	27°38'34.72"	82°40'40.91"

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 99-351.
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 number: XXXX
Plot scale: XX:X

Designed by: WRM
Dwn by: SDK
Ckd by: WRM
Dated: OCT 1999

D.O.FILE NO. 41-37, 926

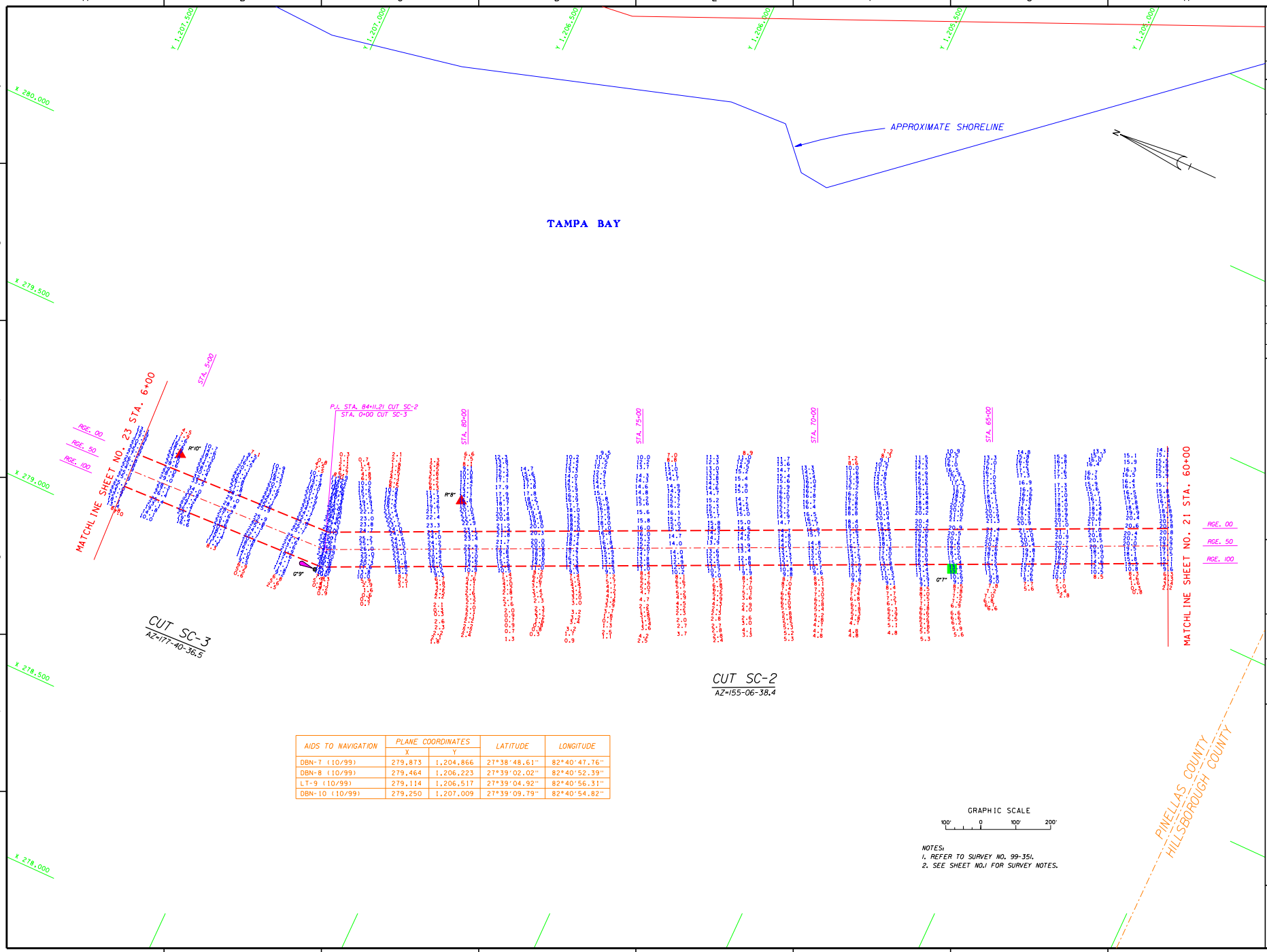
File name: A351SC1.DGN
Reference files: BGRND01.DGN CHANCR98.DGN A351NAV.DGN A351SC2.DGN TOPO1.DGN

INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
PROJECT CONDITION SURVEY
9-FOOT PROJECT
STA. 30+00 THRU 60+00 CUT SC-2
PLAN

DRAWING NO.
21/27

SHEET X OF XXX

...\a351_sh21.dgn Jul. 12, 2000 14:16:48



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-7 (10/99)	279,873	1,204,866	27°38'48.61"	82°40'47.76"
DBN-8 (10/99)	279,464	1,206,223	27°39'02.02"	82°40'52.39"
LT-9 (10/99)	279,114	1,206,517	27°39'04.92"	82°40'56.31"
DBN-10 (10/99)	279,250	1,207,009	27°39'09.79"	82°40'54.82"

NOTES:
1. REFER TO SURVEY NO. 99-351.
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: JDH
Dwn by: CDK
Ckd by: WRM

Dated: OCT 1999

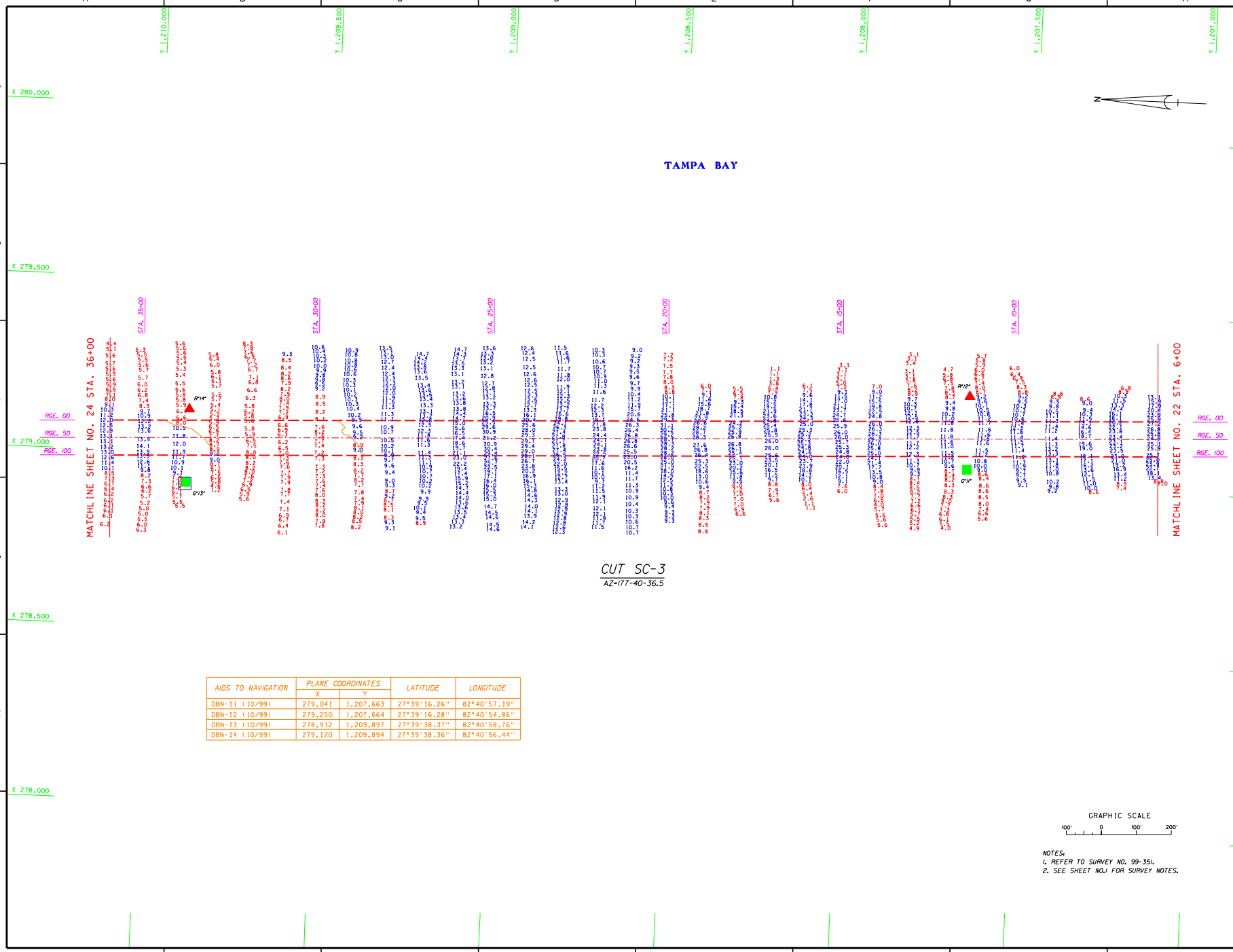
D.O.FILE NO. 41-37, 926

File name: A351S22.DGN
Reference files:
BORINGS.DGN
CLIMACR.DGN
A351S23.DGN
A351S24.DGN
TOPO1.DGN

INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
PROJECT CONDITION SURVEY
9-FOOT PROJECT
STA. 60+00 CUT SC-2 THRU STA. 6+00 CUT SC-3
PLAN

DRAWING NO.
22/27
SHEET X OF XXX

...\a351_sh22.dgn Jul. 12, 2000 14:16:04



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-11 (10/99)	279,041	1,207,663	27°39'16.26"	82°40'57.19"
DBN-12 (10/99)	279,250	1,207,664	27°39'16.28"	82°40'54.86"
DBN-13 (10/99)	278,912	1,209,897	27°39'38.37"	82°40'58.76"
DBN-14 (10/99)	279,120	1,209,894	27°39'38.36"	82°40'56.44"

NOTES:
1. REFER TO SURVEY NO. 99-351.
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: X X XXX XXXX
Scale: AS SHOWN
Plot date: XX X XXXX
Plot scale: XX:X

Designed by: WRD
Dwn by: SDK
Ckd by: WRM
Dated: OCT 1999
D.O.FILE NO. 41-37, 926

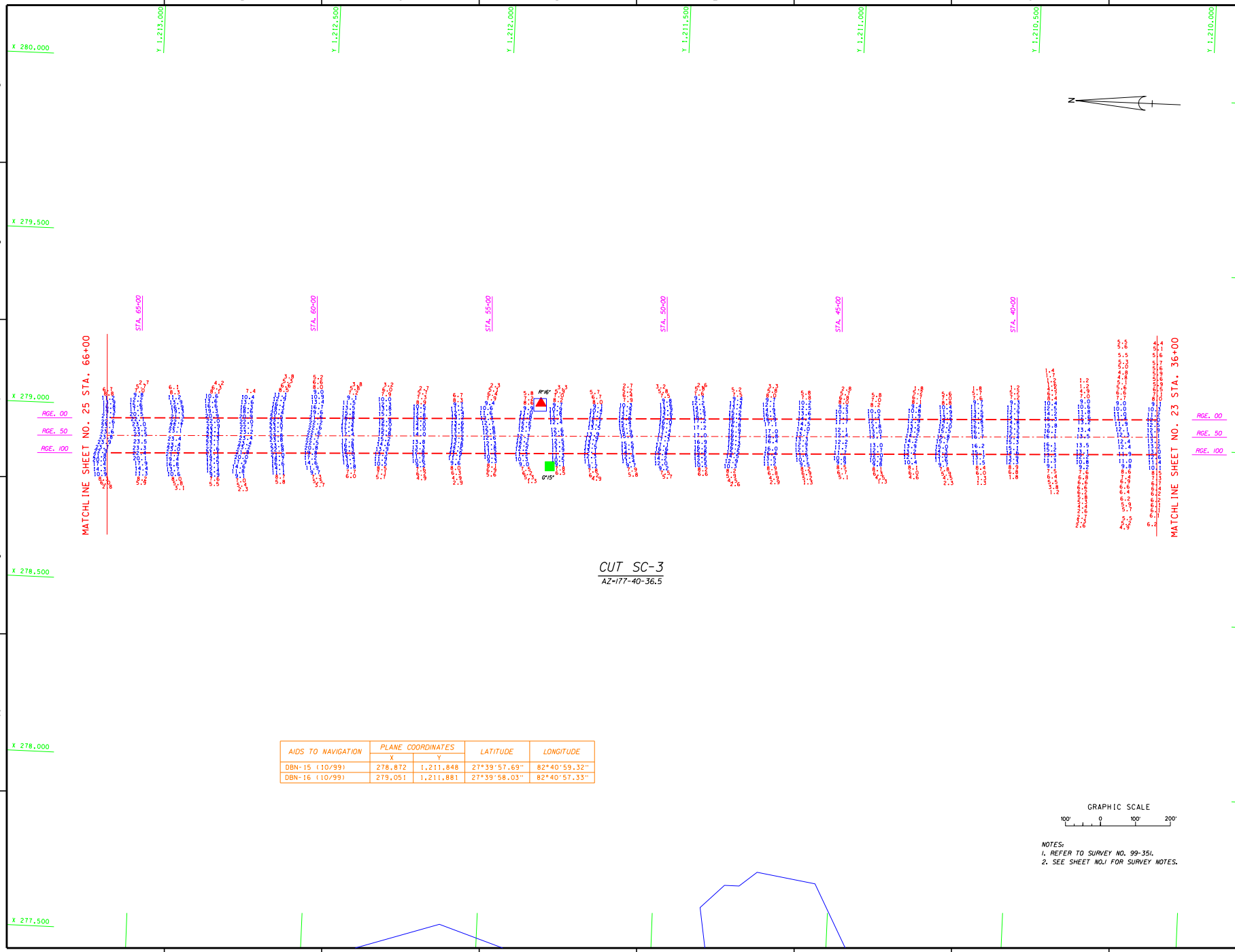
File name: A351SC3.DGN
Reference files: BGRND01.DGN CHANCSR.DGN A351SC2.DGN A351SC4.DGN CONLCTSC.DGN

INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
PROJECT CONDITION SURVEY
9-FOOT PROJECT
STA. 6+00 THRU STA. 36+00 CUT SC-3
PLAN

DRAWING NO.
23/27

SHEET X OF XXX

...\a351_sh23.dgn Jul. 12, 2000 14:15:19



CUT SC-3

AZ=177-40-36.5

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-15 (10/99)	278,872	1,211,848	27°39'57.69"	82°40'59.32"
DBN-16 (10/99)	279,051	1,211,881	27°39'58.03"	82°40'57.33"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:

1. REFER TO SURVEY NO. 99-351.
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: X X XXX XXXX
Scale: AS SHOWN
Plot date: X X XXXX
Plot scale: XX:X

Designed by: WRD
Dwn by: SDC
Ckd by: WRM

Dated: OCT 1999

D.O.FILE NO. 41-37, 926

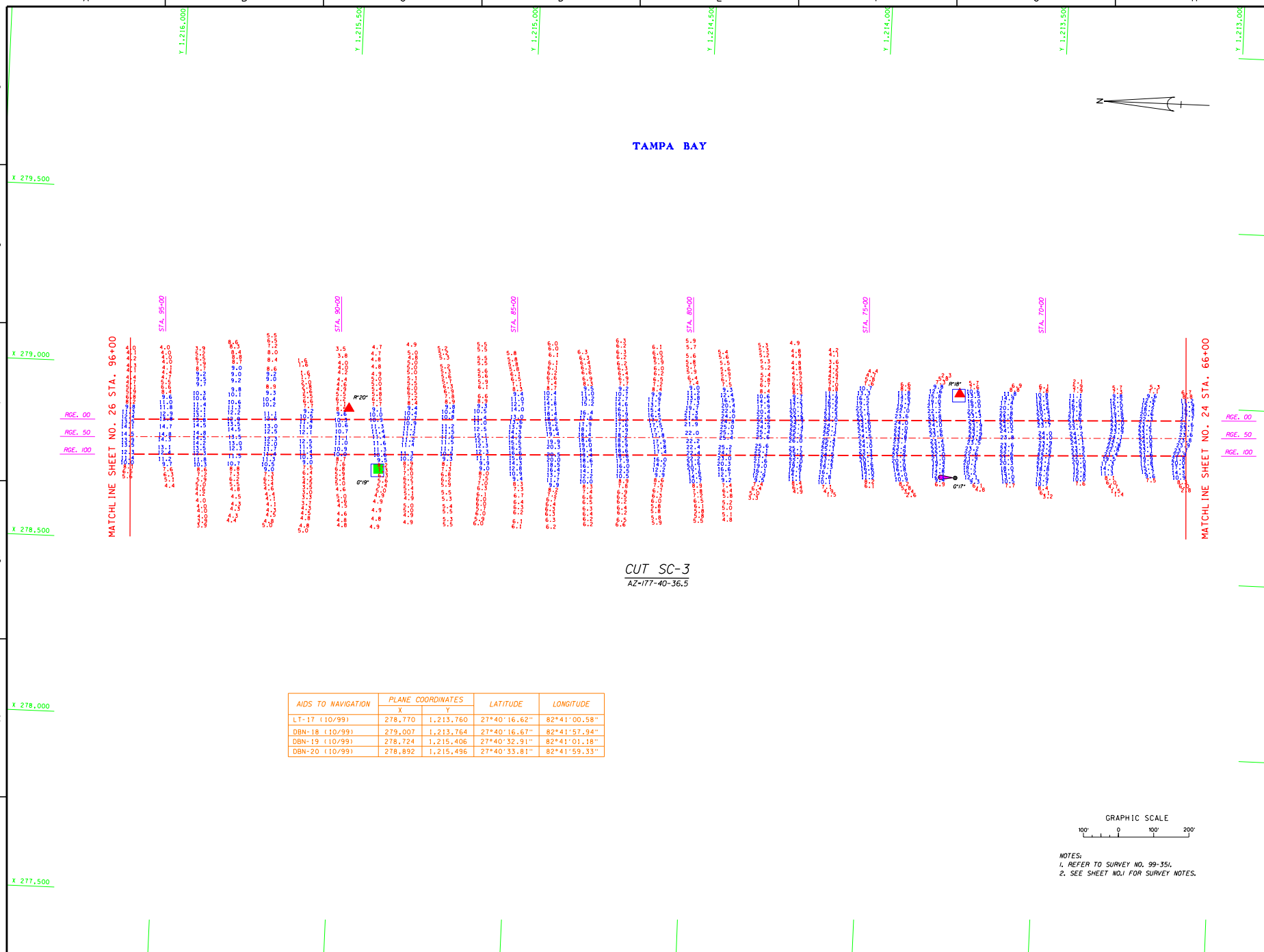
File name: A351SC3.DGN
Reference files: BORING.DGN, CHAINCSR.DGN, A351SC3.DGN, A351NAV.DGN, TOPO1.DGN

INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
PROJECT CONDITION SURVEY
9-FOOT PROJECT
STA. 36+00 THRU STA. 66+00 CUT SC-3
PLAN

DRAWING NO.
24/27

SHEET X OF XXX

...\a351_sh24.dgn Jul. 12, 2000 14:11:02



CUT SC-3

AZ=177-40-36.5

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-17 (10/99)	278,770	1,213,760	27°40'16.62"	82°41'00.58"
DBN-18 (10/99)	279,007	1,213,764	27°40'16.67"	82°41'57.94"
DBN-19 (10/99)	278,724	1,215,406	27°40'32.91"	82°41'01.18"
DBN-20 (10/99)	278,892	1,215,496	27°40'33.81"	82°41'59.33"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 99-351.
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 Number: XX XX XXXX
Plot scale: XX:X

Designed by: WRD
Dwn by: SDC
Ckd by: WRM

Dated: OCT 1999

D.O.FILE NO. 41-37,926

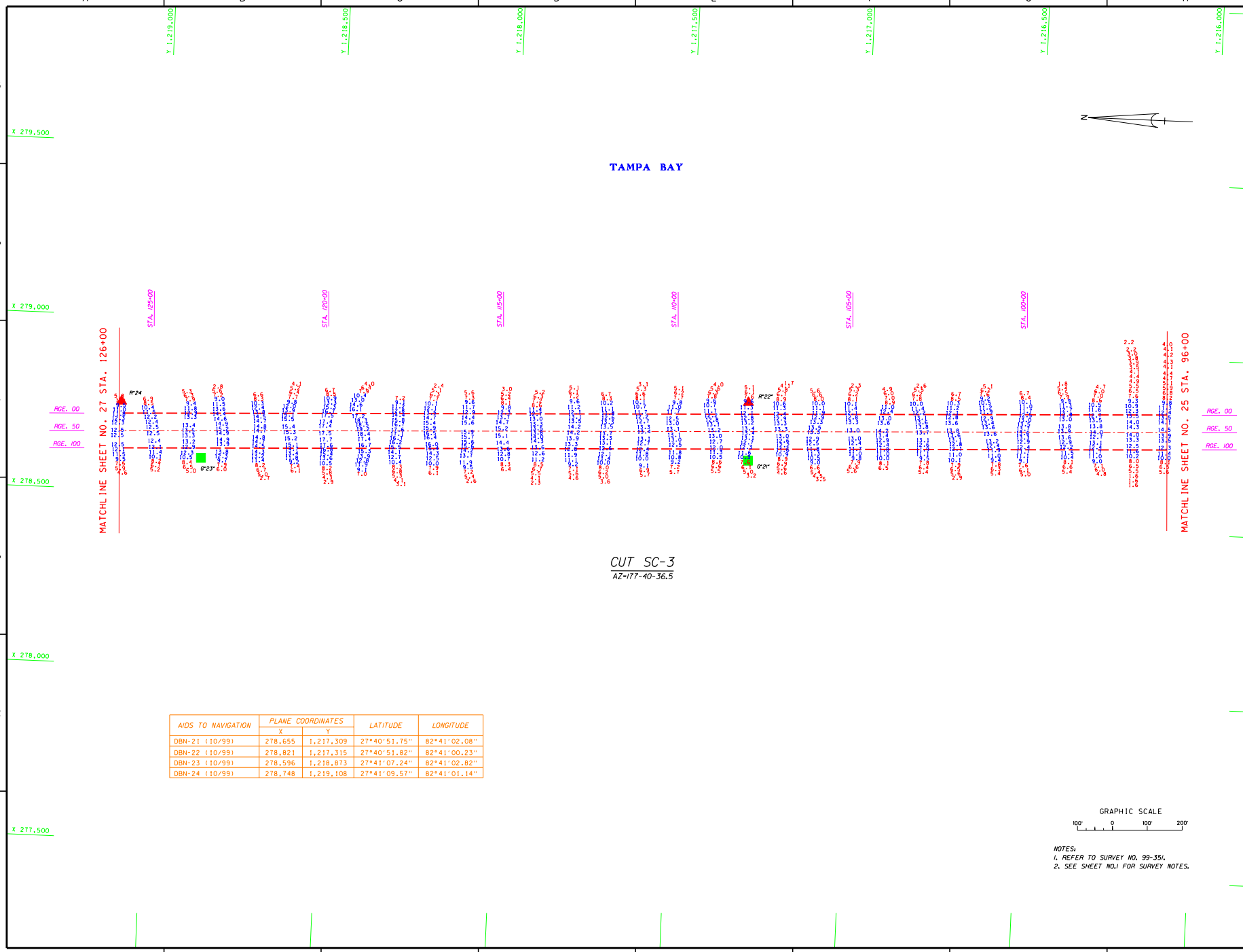
File name: A351SC3.DGN
Reference files: BGRNDXX.DGN
CHANCRXX.DGN
A351SC3.DGN
A351NAV.DGN

INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
PROJECT CONDITION SURVEY
9-FOOT PROJECT
STA. 66+00 THRU STA. 96+00 CUT SC-3
PLAN

DRAWING NO.
25/27

SHEET X OF XXX

...\a351_sh25.dgn Jul. 12, 2000 14:10:19



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-21 (10/99)	278,655	1,217,309	27°40'51.75"	82°41'02.08"
DBN-22 (10/99)	278,821	1,217,315	27°40'51.82"	82°41'00.23"
DBN-23 (10/99)	278,596	1,218,873	27°41'07.24"	82°41'02.82"
DBN-24 (10/99)	278,748	1,219,108	27°41'09.57"	82°41'01.14"

NOTES:
1. REFER TO SURVEY NO. 99-351.
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. DACW17-XX-X-XXXX
Dated: X X, XXX XXXX
Scale: AS SHOWN
Plot date: XX-XX-XXXX
Plot scale: XX:X

Designed by: WRD
Dwn by: CDC
Ckd by: WRM

D.O.FILE NO. 41-37, 926
Dated: OCT 1999

File name: A351SC3.DGN
Reference files: BORDER.DGN CHARCFG.DGN A351NAV.DGN A351SC3.DGN

INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
PROJECT CONDITION SURVEY
9-FOOT PROJECT
STA. 96+00 THRU STA. 126+00 CUT SC-3
PLAN

DRAWING NO.
26/27
SHEET X OF XXX

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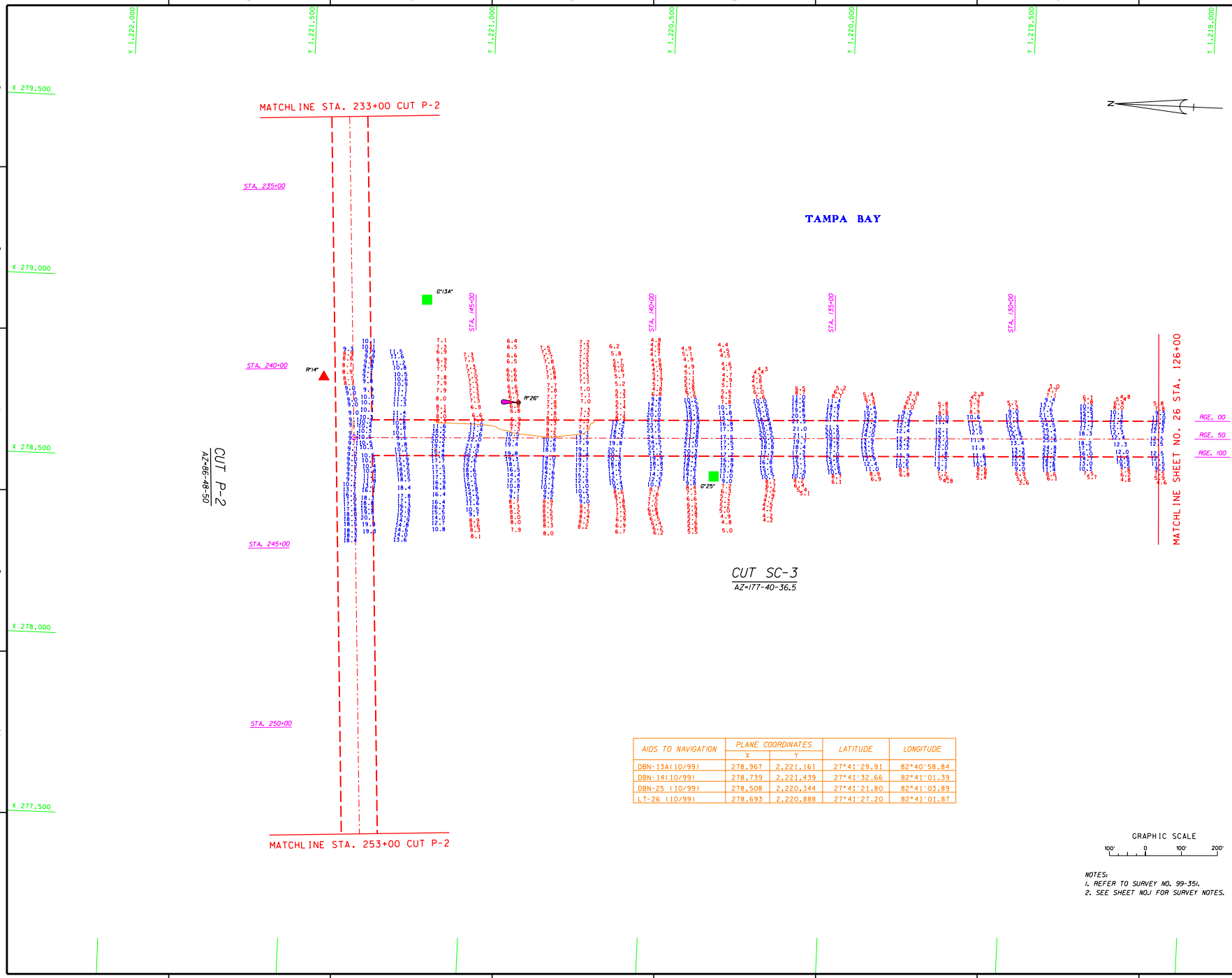

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-13A(10/99)	278,967	2,221,161	27°41'29.91	82°40'58.84
DBN-14(10/99)	278,739	2,221,439	27°41'32.66	82°41'01.39
DBN-25 (10/99)	278,508	2,220,344	27°41'21.80	82°41'03.89
LT-26 (10/99)	278,693	2,220,888	27°41'27.20	82°41'01.87

NOTES:
1. REFER TO SURVEY NO. 99-351.
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: X X XXX XXXX
Scale: AS SHOWN
Plot center: X = XXXX
Plot scale: XX:X

Designed by: WRDA
Dwn by: CDC
Ckd by: WRM
Dated: OCT 1999

D.O.FILE NO. 41-37, 926

File name: A351SC3.DGN
Reference files: BGRND01.DGN
CHANCFAR.DGN
A351NAV.DGN
A351BCS.DGN
CORL CTRSC.DGN

INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
PROJECT CONDITION SURVEY
9-FOOT PROJECT
STA. 126+00 THRU STA. 148+38.63 CUT SC-3
PLAN

DRAWING NO.
27/27

SHEET X OF XXX

...\a351_sh27.dgn Jul. 12, 2000 14:01:55