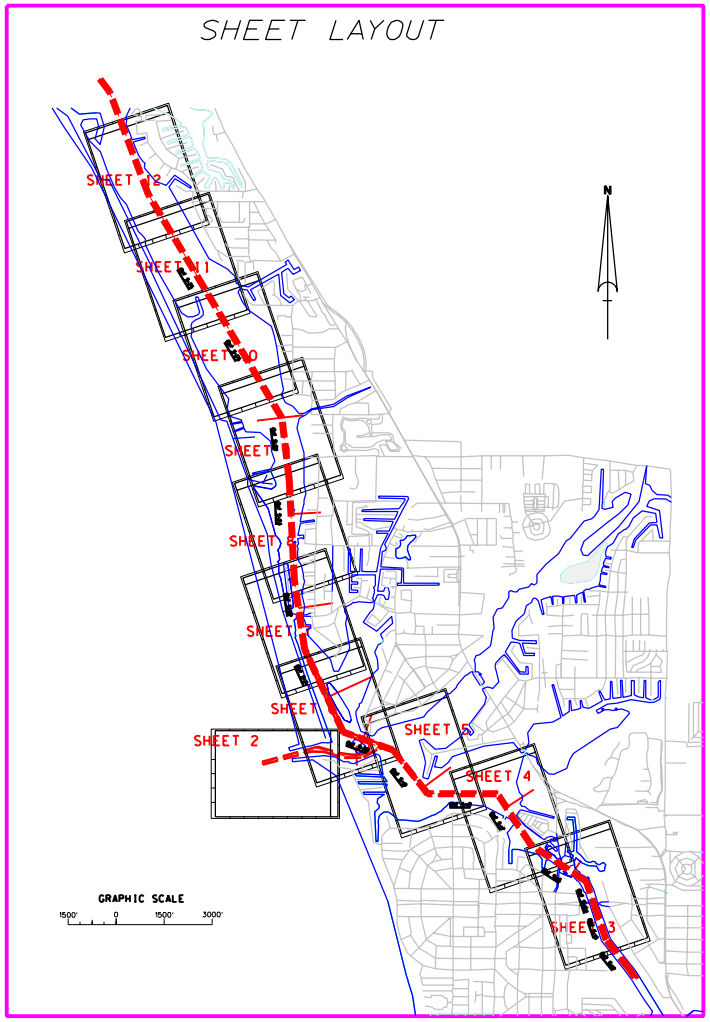

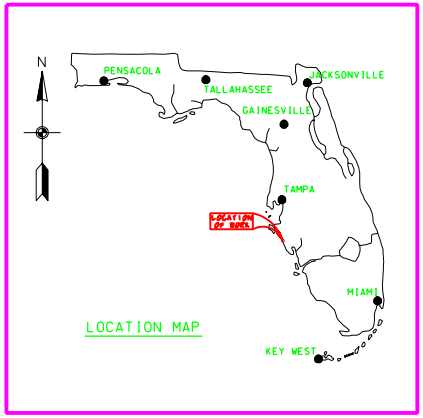

VENICE INLET, CASEYS PASS & INTRACOASTAL WATERWAY, CALOOSAHATCHEE RIVER TO ANCLOTE RIVER CUT S-15 THRU S-25 PROJECT CONDITION SURVEY

BENCHMARK	NGVD ELEV. (FT)
1784 B151R-1111	6.40
IWSA-85	6.98
NGS X-38	7.60

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

VENICE INLET
NGVD 1929
0.65 feet
M.L.L.W.

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

INTRACOASTAL WATERWAY CUT S-15 THRU S-25
NGVD 1929
0.55 feet
M.L.L.W.

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

SURVEY NOTES:

1. REFER TO SURVEY NO. 01-099.
2. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER (MLLW). REFER TO TABLES SHOWN FOR DIFFERENCES BELOW NGVD 1929.
3. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGN.
4. TIDAL REDUCTIONS WERE MADE FROM A STAFFS SET ON WOODEN PILINGS IN THE VICINITY OF AND REFERENCED FROM BENCHMARKS "NGS 5916C 1977", "1784 B15 (R-111)", "IWSA-85" AND "NGS X-38".
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 A ROSS SMART SOUNDER DEPTH RECORDER A 200KHZ (HIGH FREQUENCY) TRANSDUCER.

VESSEL	DATE OF SURVEY	CUT
WB-32	18-20 JULY 2001	NW CUT S-15-S-25 & VENICE INLET CUTS 1-4

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 1 HYDROGRAPHIC SURVEYS.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Description	Approved

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

Designed by: GCK
Drawn by: GCK
Checked by:
Date: JULY 2001
D.O.F. FILE NO.

File name: C099PCS01.DGN
Reference files: LAYOUT1.DGN, VENICEIT.DGN, VCIL01.DGN, SPOIL01.DGN

VENICE INLET, FLORIDA
CASEY'S PASS
PROJECT CONDITION SURVEY
9-FOOT PROJECT
INDEX, LOCATION AND VICINITY PLAN

DRAWING NO.
1/12

SHEET 1 OF 12

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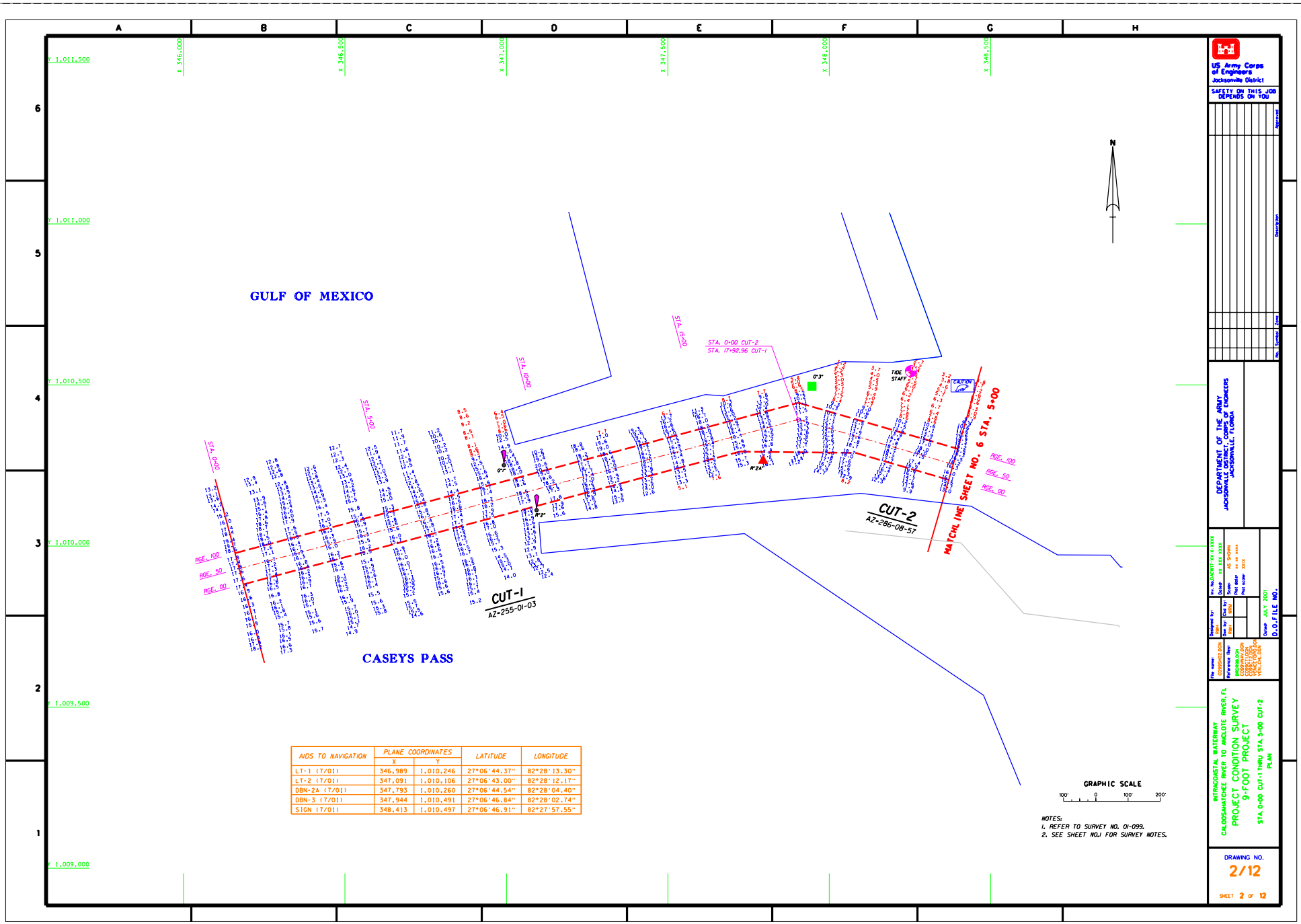

AIDS TO NAVIGATION	PLANE COORDINATES X	PLANE COORDINATES Y	LATITUDE	LONGITUDE
LT-1 (7/01)	346,989	1,010,246	27°06'44.37"	82°28'13.30"
LT-2 (7/01)	347,091	1,010,106	27°06'43.00"	82°28'12.17"
DBN-2A (7/01)	347,793	1,010,260	27°06'44.54"	82°28'04.40"
DBN-3 (7/01)	347,944	1,010,491	27°06'46.84"	82°28'02.74"
SIGN (7/01)	348,413	1,010,497	27°06'46.91"	82°27'57.55"

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AIDS TO NAVIGATION	PLANE COORDINATES X	PLANE COORDINATES Y	LATITUDE	LONGITUDE
SIGN (7/01)	355,251	1,006,837	27°06'10.91"	82°26'41.74"
SIGN (7/01)	355,863	1,006,819	27°06'10.75"	82°26'34.96"
SIGN (7/01)	355,850	1,006,620	27°06'08.78"	82°26'35.10"
SIGN (7/01)	356,026	1,006,507	27°06'07.67"	82°26'33.15"
SIGN (7/01)	356,703	1,005,173	27°06'54.49"	82°26'25.60"
SIGN (7/01)	356,531	1,005,355	27°06'56.28"	82°26'27.51"

CUT S-15
AZ=161-24-13.8

CUT S-15A
AZ=161-24-13.8

CUT S-16
AZ=123-22-24.6

STA. 0+00 CUT S-15

P.I. STA. 0+00 CUT S-15A
STA. 8+69.92 CUT S-15

P.I. STA. 0+00 CUT S-16
STA. 10+63.14 CUT S-15A

MATCHLINE SHEET NO.4 STA. 13+00

Venice Ave. Bridge

U.S. 41 Bridge

Tamiami Trail

Wooden Dock

Approximate Shoreline

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 01-099.
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

INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER, FL
PROJECT CONDITION SURVEY
9-FOOT PROJECT
STA. 0+00 CUT-15 THRU STA. 13+00 CUT-16
PLAN

DRAWING NO.
3/12

SHEET 3 OF 12

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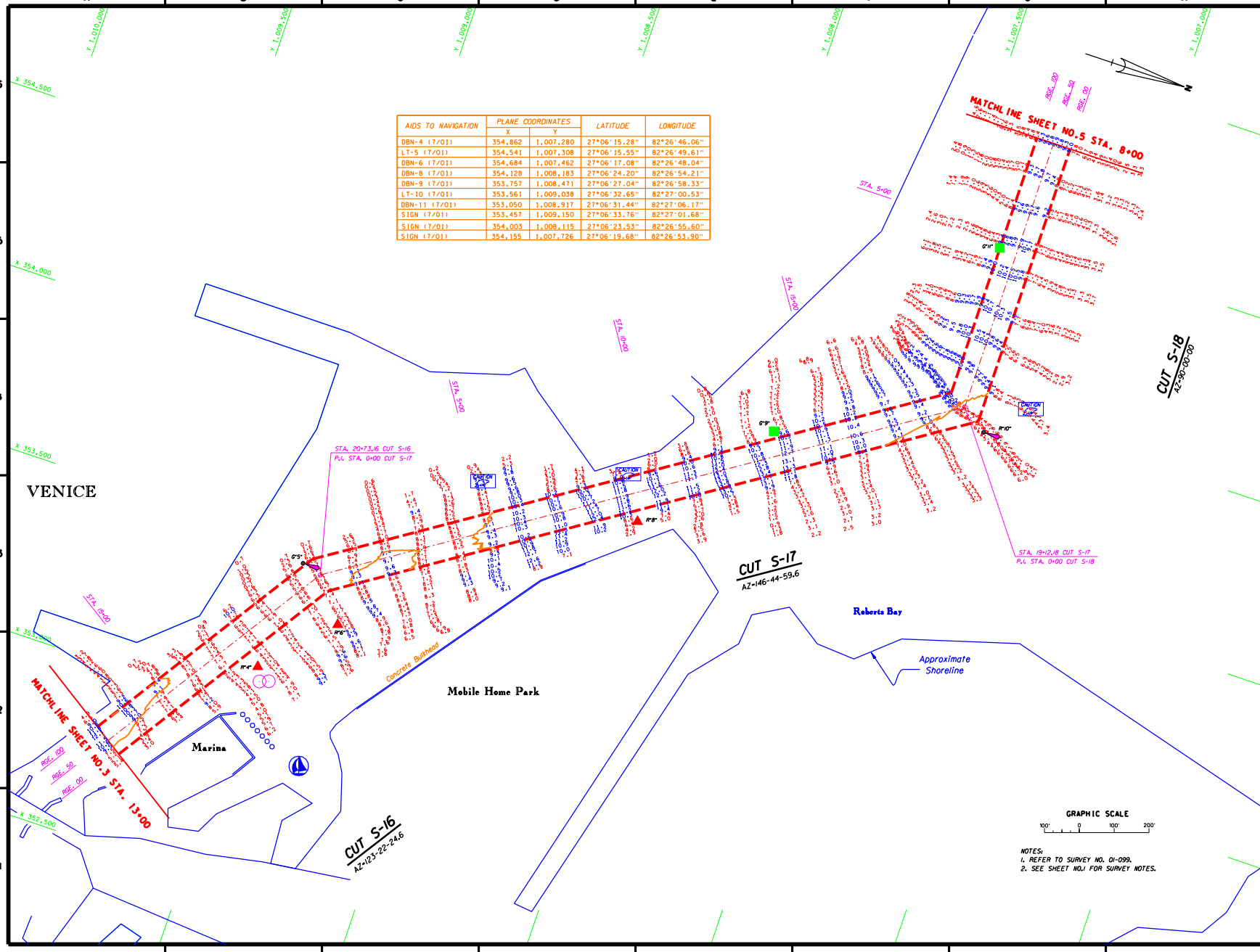
AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-4 (7/01)	354,862	1,007,280	27°06'15.28"	82°26'46.06"
LT-5 (7/01)	354,541	1,007,308	27°06'15.55"	82°26'49.61"
DBN-6 (7/01)	354,684	1,007,462	27°06'17.08"	82°26'48.04"
DBN-8 (7/01)	354,128	1,008,183	27°06'24.20"	82°26'54.21"
DBN-9 (7/01)	353,757	1,008,471	27°06'27.04"	82°26'58.33"
LT-10 (7/01)	353,561	1,009,038	27°06'32.65"	82°27'00.53"
DBN-11 (7/01)	353,050	1,008,917	27°06'31.44"	82°27'06.17"
SIGN (7/01)	353,457	1,009,150	27°06'33.76"	82°27'01.68"
SIGN (7/01)	354,003	1,008,115	27°06'23.53"	82°26'55.60"
SIGN (7/01)	354,155	1,007,726	27°06'19.68"	82°26'53.90"



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

Designed by Dwn by Ckd by Date JULY 2001
Scale AS SHOWN
O.D. FILE NO.

INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO APALACHEE RIVER, FL
PROJECT CONDITION SURVEY
9-FOOT PROJECT
STA. 13+00 CUT S-16 THRU STA. 8+00 CUT S-18
PLAN

DRAWING NO.
4/12

SHEET 4 OF 12

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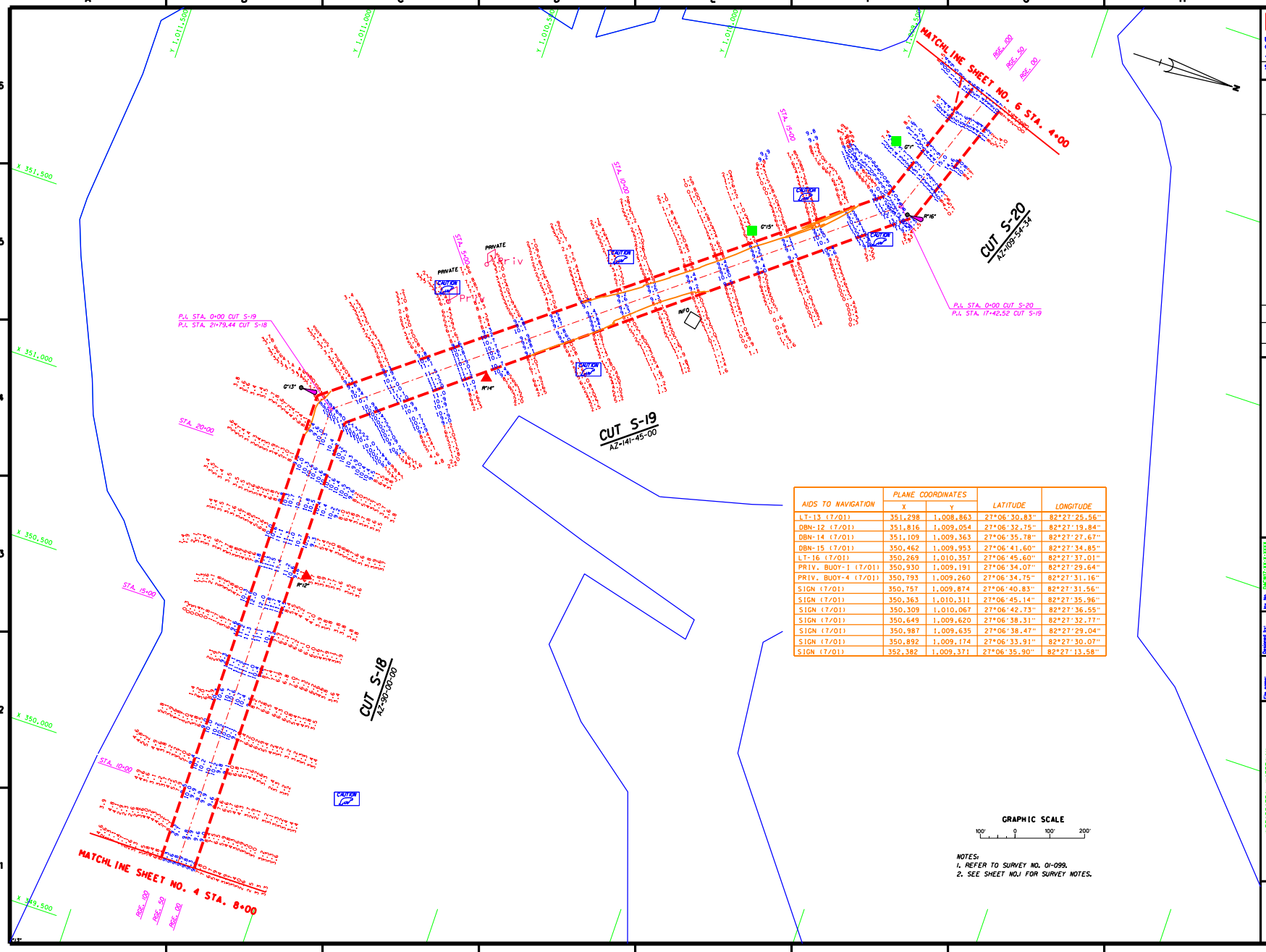

AIDS TO NAVIGATION	PLANE COORDINATES X	PLANE COORDINATES Y	LATITUDE	LONGITUDE
LT-13 (7/01)	351,298	1,008,863	27°06'30.83"	82°27'25.56"
DBN-12 (7/01)	351,816	1,009,054	27°06'32.75"	82°27'19.84"
DBN-14 (7/01)	351,109	1,009,363	27°06'35.78"	82°27'27.67"
DBN-15 (7/01)	350,462	1,009,953	27°06'41.60"	82°27'34.85"
LT-16 (7/01)	350,269	1,010,357	27°06'45.60"	82°27'37.01"
PRIV. BUOY-1 (7/01)	350,930	1,009,191	27°06'34.07"	82°27'29.64"
PRIV. BUOY-4 (7/01)	350,793	1,009,260	27°06'34.75"	82°27'31.16"
SIGN (7/01)	350,757	1,009,874	27°06'40.83"	82°27'31.56"
SIGN (7/01)	350,363	1,010,311	27°06'45.14"	82°27'35.96"
SIGN (7/01)	350,309	1,010,067	27°06'42.73"	82°27'36.55"
SIGN (7/01)	350,649	1,009,620	27°06'38.31"	82°27'32.77"
SIGN (7/01)	350,987	1,009,635	27°06'38.47"	82°27'29.04"
SIGN (7/01)	350,892	1,009,174	27°06'33.91"	82°27'30.07"
SIGN (7/01)	352,382	1,009,371	27°06'35.90"	82°27'13.58"

NOTES:
1. REFER TO SURVEY NO. 01-099.
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

Dwg. No. DACW17-XX-X-XXXX
Date: XX XXX XXXX
Scale: AS SHOWN
Plot date: XX XX XXXX
Plot scale: XX:X

Designed by: Dwg. Chk by: Dwn by: Chk by:

Date: JULY 2001
D.O.FILE NO.

File name: C099PCS\C.DGN
Reference files: BASEMAP.DGN C099PCS\C.DGN C099PCS\H.DGN C099PCS\I.DGN C099PCS\J.DGN C099PCS\K.DGN C099PCS\L.DGN C099PCS\M.DGN C099PCS\N.DGN

INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER, FL
PROJECT CONDITION SURVEY
9-FOOT PROJECT
STA. 8+00 CUT S-18 THRU STA. 4+00 CUT S-20
PLAN

DRAWING NO.
5/12

SHEET 5 OF 12

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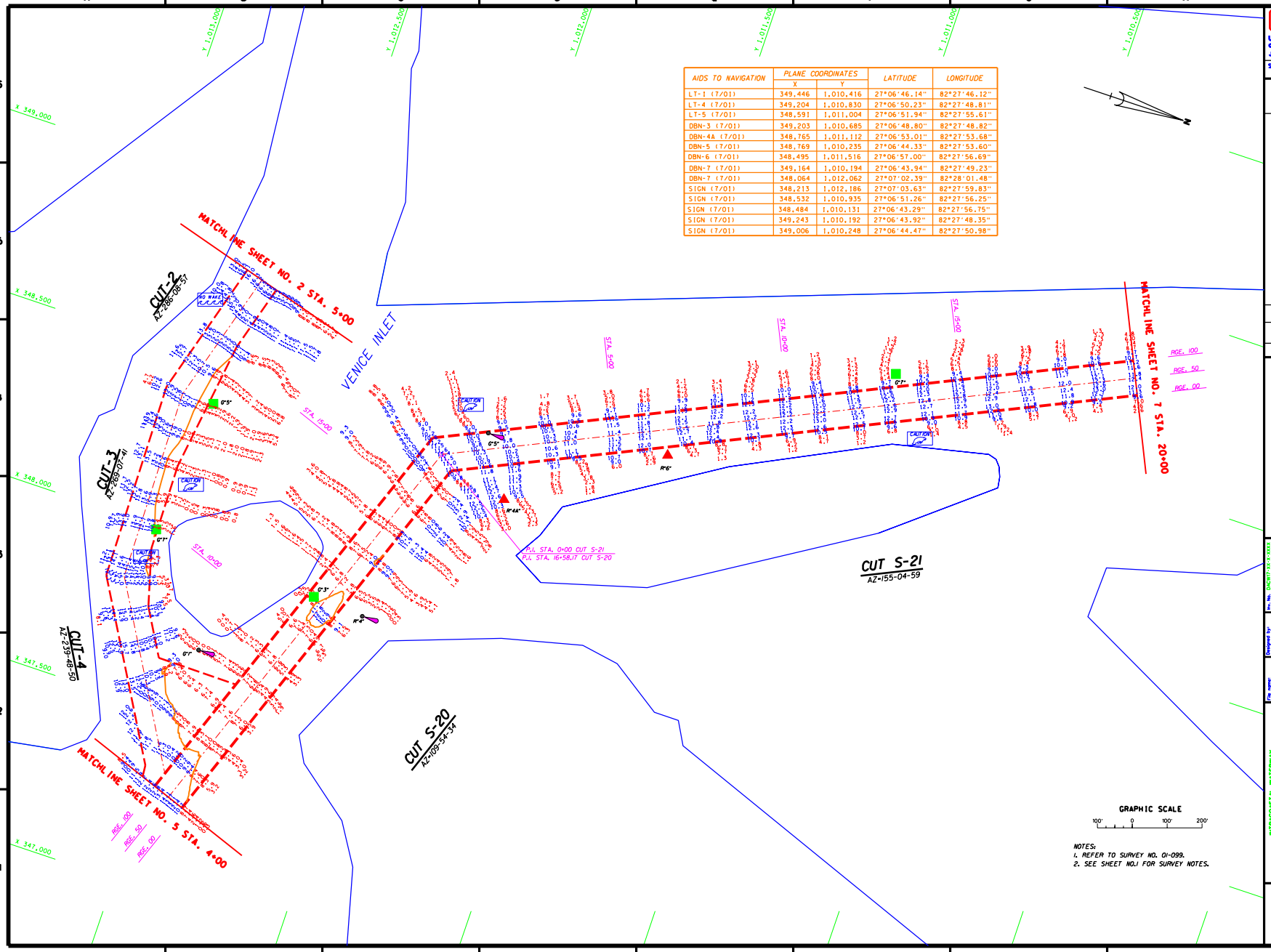

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-1 (7/01)	349,446	1,010,416	27°06'46.14"	82°27'46.12"
LT-4 (7/01)	349,204	1,010,830	27°06'50.23"	82°27'48.81"
LT-5 (7/01)	348,591	1,011,004	27°06'51.94"	82°27'55.61"
DBN-3 (7/01)	349,203	1,010,685	27°06'48.80"	82°27'48.82"
DBN-4A (7/01)	348,765	1,011,112	27°06'53.01"	82°27'53.68"
DBN-5 (7/01)	348,769	1,010,235	27°06'44.33"	82°27'53.60"
DBN-6 (7/01)	348,495	1,011,516	27°06'57.00"	82°27'56.69"
DBN-7 (7/01)	349,164	1,010,194	27°06'43.94"	82°27'49.23"
DBN-7 (7/01)	348,064	1,012,062	27°07'02.39"	82°28'01.48"
SIGN (7/01)	348,213	1,012,186	27°07'03.63"	82°27'59.83"
SIGN (7/01)	348,532	1,010,935	27°06'51.26"	82°27'56.25"
SIGN (7/01)	348,484	1,010,131	27°06'43.29"	82°27'56.75"
SIGN (7/01)	349,243	1,010,192	27°06'43.92"	82°27'48.35"
SIGN (7/01)	349,006	1,010,248	27°06'44.47"	82°27'50.98"

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

File No. DACW17-XX-X-XXXX
Date: XX XXX XXXX
Scale: AS SHOWN
Plot date: XX XX XXXX
Plot scale: XX:X
Designed by: Dwg
Dwn by:
Chk by:
Date: JULY 2001
D.O.F.ILE NO.

File name: C099SH06.DGN
Reference files: CONTOURS.DGN, CONTOURS.DGN, CONTOURS.DGN, CONTOURS.DGN, CONTOURS.DGN, CONTOURS.DGN, CONTOURS.DGN, CONTOURS.DGN, CONTOURS.DGN, CONTOURS.DGN

INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER, FL
PROJECT CONDITION SURVEY
9-FOOT PROJECT
STA. 4+00 CUT S-20 THRU STA. 20+00 CUT S-21
PLAN

DRAWING NO.
6/12

SHEET 6 OF 12

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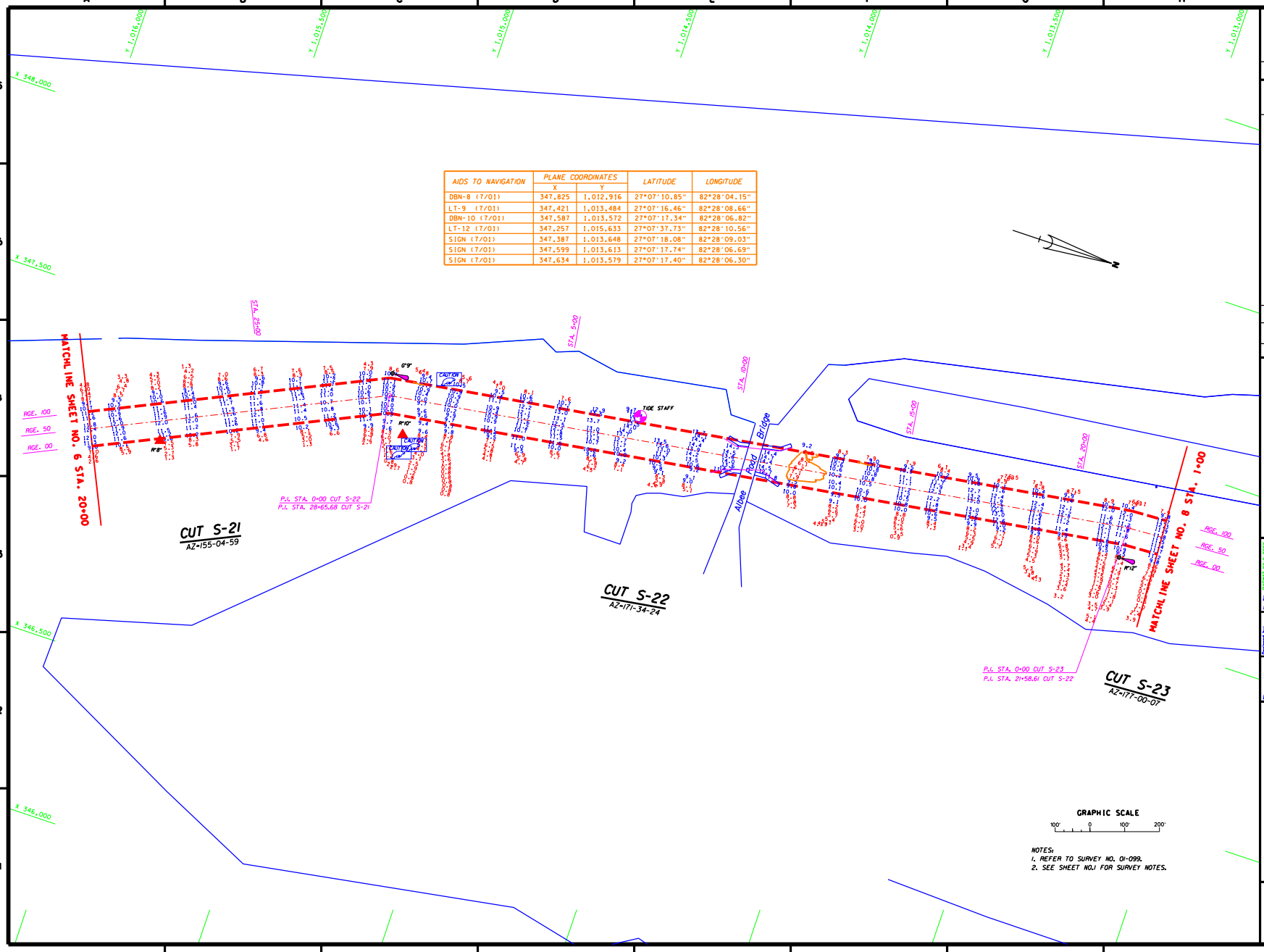

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-8 (7/01)	347,825	1,012,916	27°07'10.85"	82°28'04.15"
LT-9 (7/01)	347,421	1,013,484	27°07'16.46"	82°28'08.66"
DBN-10 (7/01)	347,587	1,013,572	27°07'17.34"	82°28'06.82"
LT-12 (7/01)	347,257	1,015,633	27°07'37.73"	82°28'10.56"
SIGN (7/01)	347,387	1,013,648	27°07'18.08"	82°28'09.03"
SIGN (7/01)	347,599	1,013,613	27°07'17.74"	82°28'06.69"
SIGN (7/01)	347,634	1,013,579	27°07'17.40"	82°28'06.30"

NOTES:
1. REFER TO SURVEY NO. 01-099.
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

File No. D0C0172XXXXXX
Date XX XXX XXXX
Scale AS SHOWN
Plot date XX XX XXXX
Plot scale XXXX
Designed by Reg
Drn by
Chd by
Date JULY 2001
D.O.FILE NO.

File name C099SH07.DGN
Reference files
BASEMAP.DGN
C099CT01.DGN
C099CT02.DGN
C099CT03.DGN
C099CT04.DGN
C099CT05.DGN
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C099CT07.DGN
C099CT08.DGN
C099CT09.DGN

INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER, FL
PROJECT CONDITION SURVEY
9-FOOT PROJECT
STA. 20+00 CUT S-21 THRU STA. 1+00 CUT S-23
PLAN

DRAWING NO.
7/12

SHEET 7 OF 12

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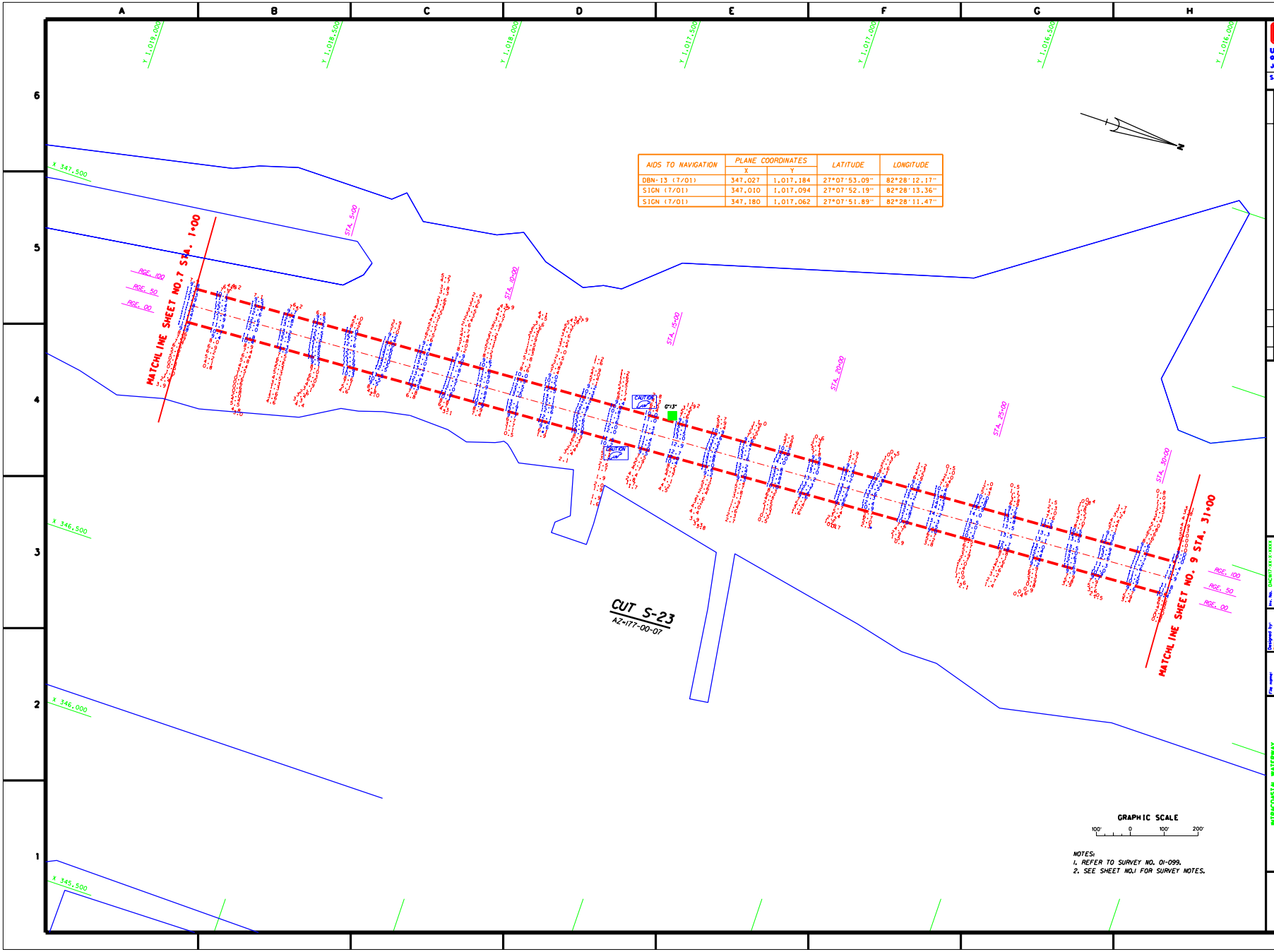

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-13 (7/01)	347,027	1,017,184	27°07'53.09"	82°28'12.17"
SIGN (7/01)	347,010	1,017,094	27°07'52.19"	82°28'13.36"
SIGN (7/01)	347,180	1,017,062	27°07'51.89"	82°28'11.47"

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

File No. DACW17-XX-X-XXXX
Date XX XXX XXXX
Scale AS SHOWN
Plot date XX XX XXXX
Plot scale XXX

Designed by Eng
Drawn by Draft
Chkd by Chief
Date JULY 2001
D.O.F.ILE NO.

File name C099PCS\C.DGN
Reference files
BASEMAP\BASE.DGN
CONTOUR\CONTOUR.DGN
VENICE\TOPO.DGN
C099SHA\C.DGN

INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER, FL
PROJECT CONDITION SURVEY
9-FOOT PROJECT
STA. 1+00 THRU STA. 31+00 CUT S-23
PLAN

DRAWING NO.
8/12

SHEET 8 OF 12

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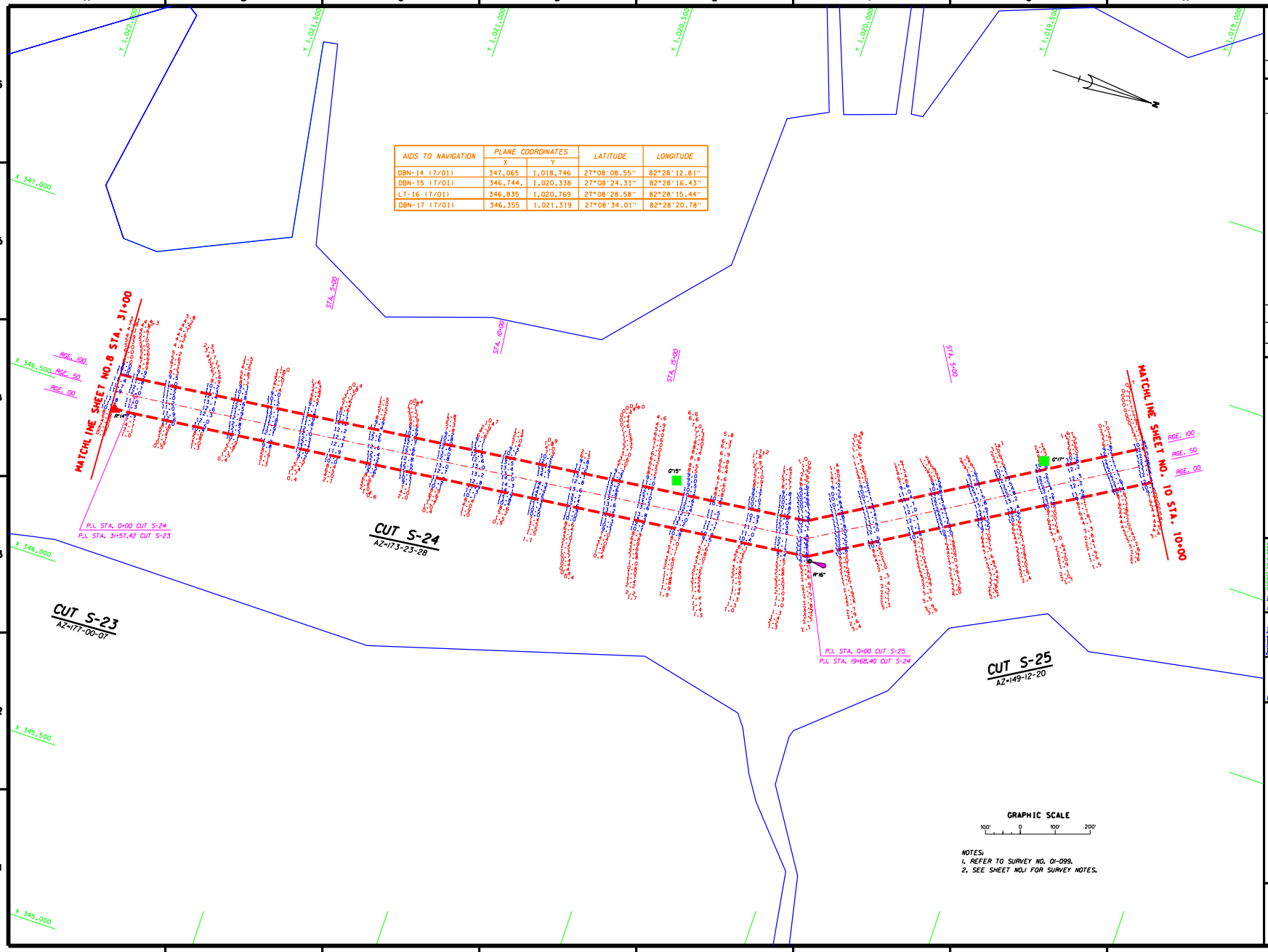

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-14 (7/01)	347,065	1,018,746	27°08'08.55"	82°28'12.81"
DBN-15 (7/01)	346,744.	1,020,338	27°08'24.31"	82°28'16.43"
LT-16 (7/01)	346,835	1,020,769	27°08'28.58"	82°28'15.44"
DBN-17 (7/01)	346,355	1,021,319	27°08'34.01"	82°28'20.78"

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: Bing
Dwn by: Bing
Chd by: Bing
Chk by: Bing
Dsn No. DACW17-XX-XXXX
Date: XX XXX XXXX
Scale: AS SHOWN
Plot date: XX XX XXXX
Plot scale: XX:X
Date: JULY 2001
D.O.F.ILE NO.

File name: C099SH09
Reference files: GRIDPROB.DGN
C099C13A.DGN
C099C13B.DGN
C099C17A.DGN
C099C17B.DGN
C099C17C.DGN
C099C17D.DGN
C099C17E.DGN
C099C17F.DGN
C099C17G.DGN

INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO APALACHEE RIVER, FL
PROJECT CONDITION SURVEY
9-FOOT PROJECT
STA. 31+00 CUT S-23 THRU STA. 14+00 CUT S-25
PLAN

DRAWING NO.
9/12

SHEET 9 OF 12

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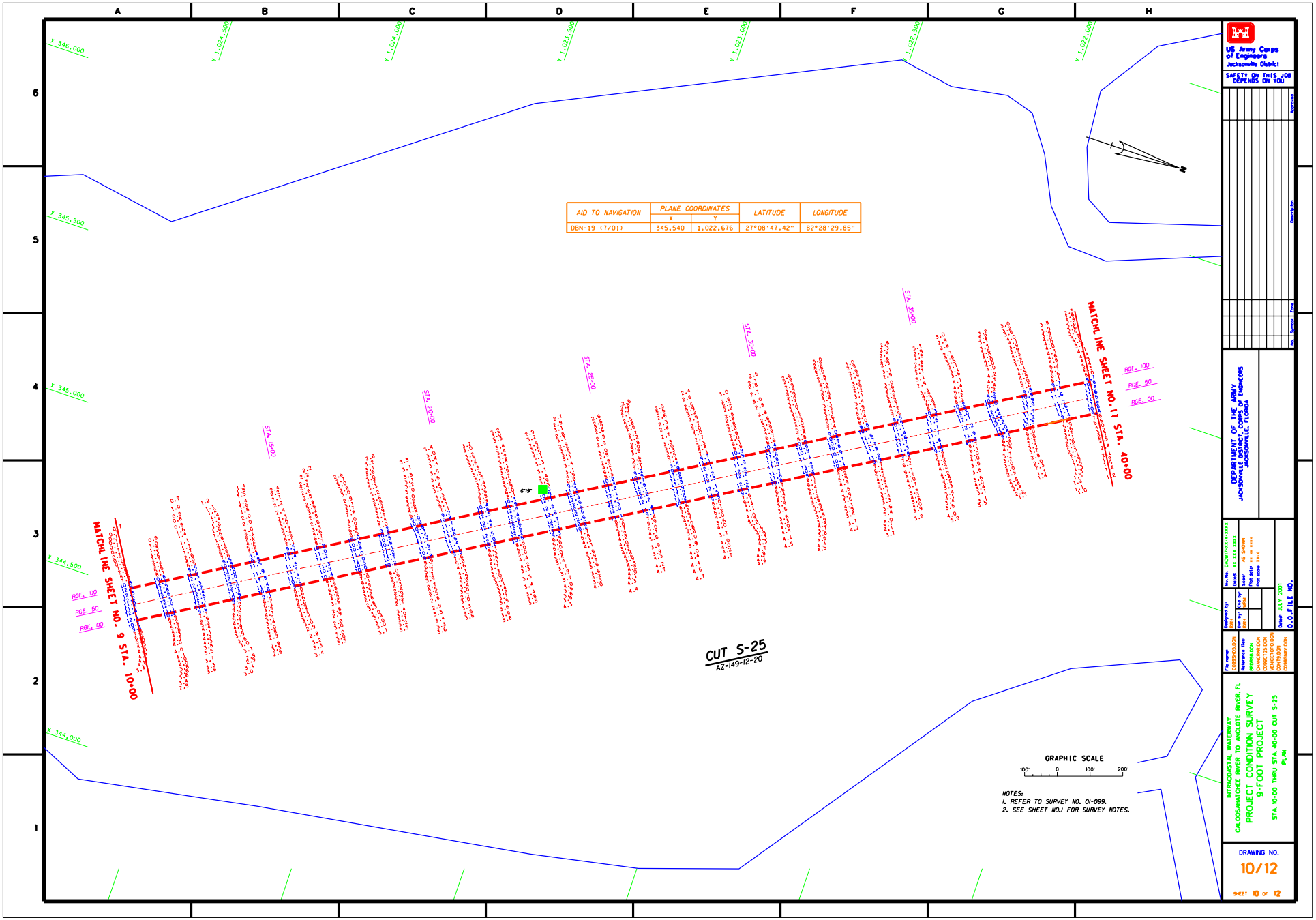

AID TO NAVIGATION	PLANE COORDINATES X	PLANE COORDINATES Y	LATITUDE	LONGITUDE
DBN-19 (7/01)	345,540	1,022,676	27°08'47.42"	82°28'29.85"

NOTES:
1. REFER TO SURVEY NO. 01-099.
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

Designed by: Rhein
Dwn by: Rhein
Ckd by: Wilbur
Dsn by: Rhein
Ckd by: Wilbur
Scale: AS SHOWN
Date: JULY 2001
D.O.FILE NO.

INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER, FL
PROJECT CONDITION SURVEY
9-FOOT PROJECT
STA. 10+00 THRU STA. 40+00 CUT S-25
PLAN

DRAWING NO.
10/12
SHEET 10 OF 12

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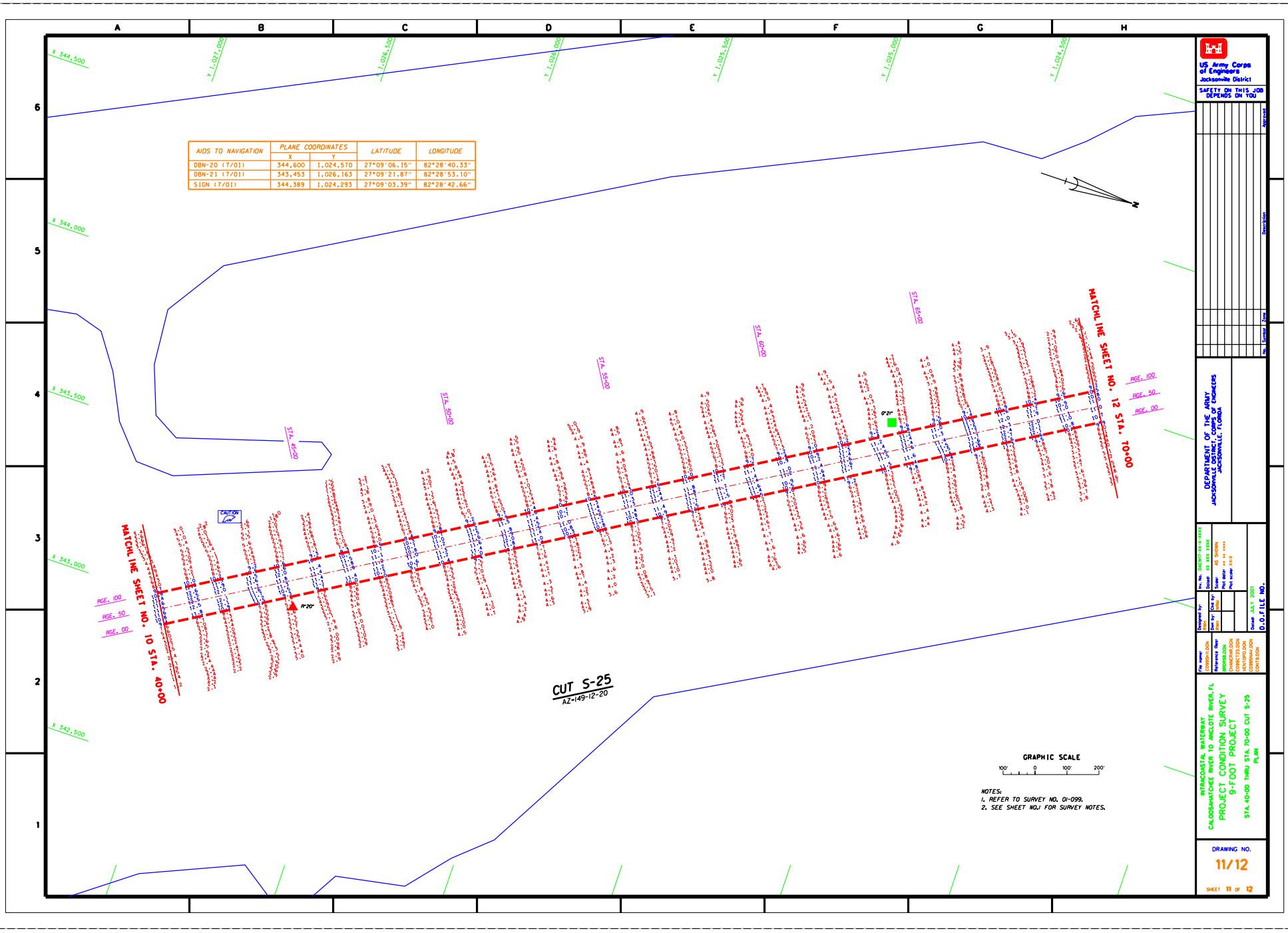

AIDS TO NAVIGATION	PLANE COORDINATES X	PLANE COORDINATES Y	LATITUDE	LONGITUDE
DBN-20 (7/01)	344,600	1,024,570	27°09'06.15"	82°28'40.33"
DBN-21 (7/01)	343,453	1,026,163	27°09'21.87"	82°28'53.10"
SIGN (7/01)	344,389	1,024,293	27°09'03.39"	82°28'42.66"

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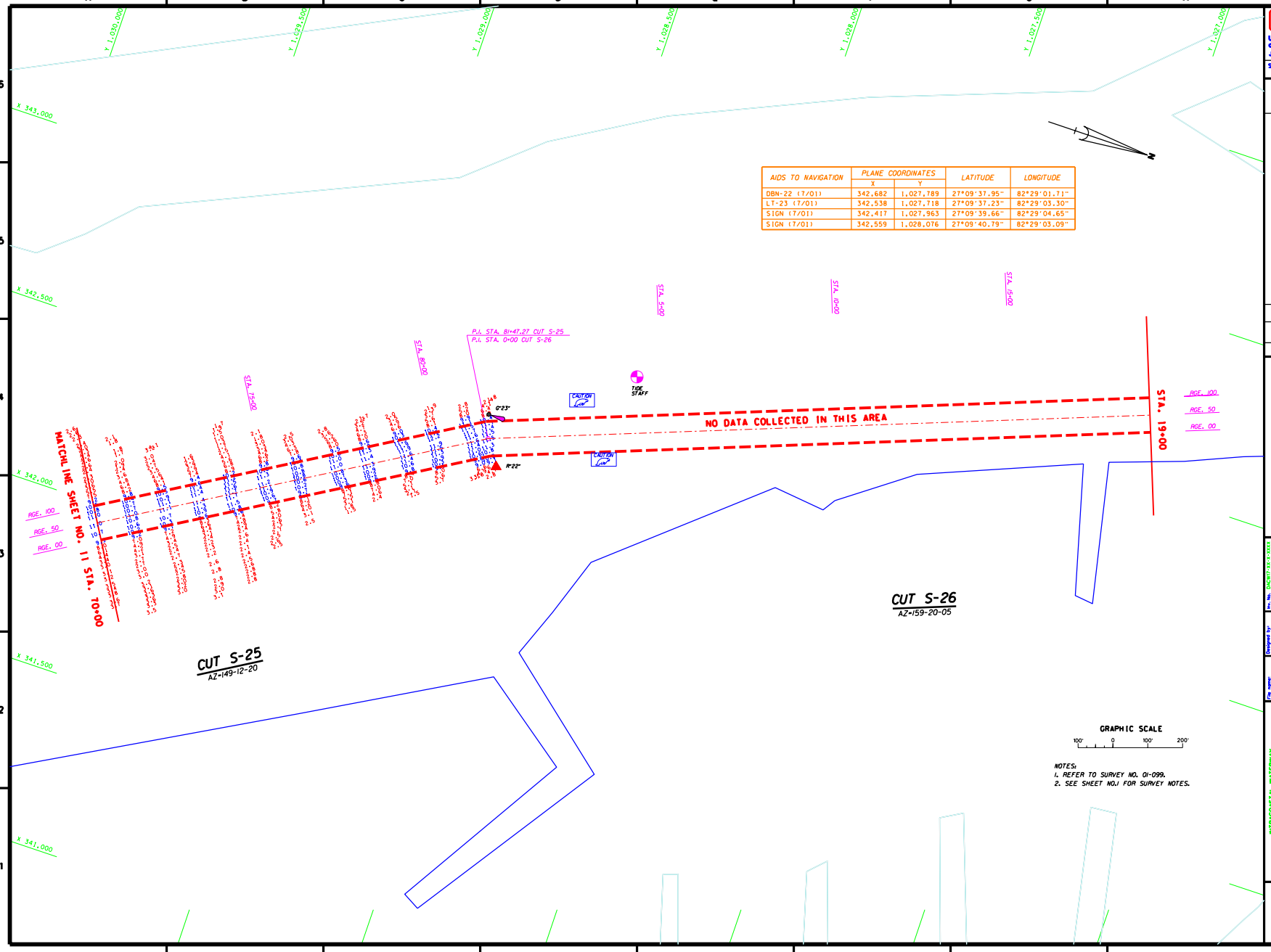

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-22 (7/01)	342,682	1,027,789	27°09'37.95"	82°29'01.71"
LT-23 (7/01)	342,538	1,027,718	27°09'37.23"	82°29'03.30"
SIGN (7/01)	342,417	1,027,963	27°09'39.66"	82°29'04.65"
SIGN (7/01)	342,559	1,028,076	27°09'40.79"	82°29'03.09"

NOTES:
1. REFER TO SURVEY NO. 01-099.
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: Bing
Dwn by: Chkd by: Rev by:
Date: JULY 2001
D.O.F.ILE NO.
Proj. No. DACW17-XX-X-XXXX
Date: XX XXX XXXX
Scale: AS SHOWN
Plot date: XX XX XXXX
Plot scale: XX:X

File name: C099PM12.DGN
Reference files: GRIDPROB.DGN CHANCEMA.DGN CONTOUR.DGN CONTOUR1.DGN TEXTOPO1.DGN C099SMAV.DGN

INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO APALACHEE BAY, FL
PROJECT CONDITION SURVEY
9-FOOT PROJECT
STA. 70+00 CUT S-25 THRU STA. 19+00 CUT S-26
PLAN

DRAWING NO.
12/12
SHEET 12 OF 12

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