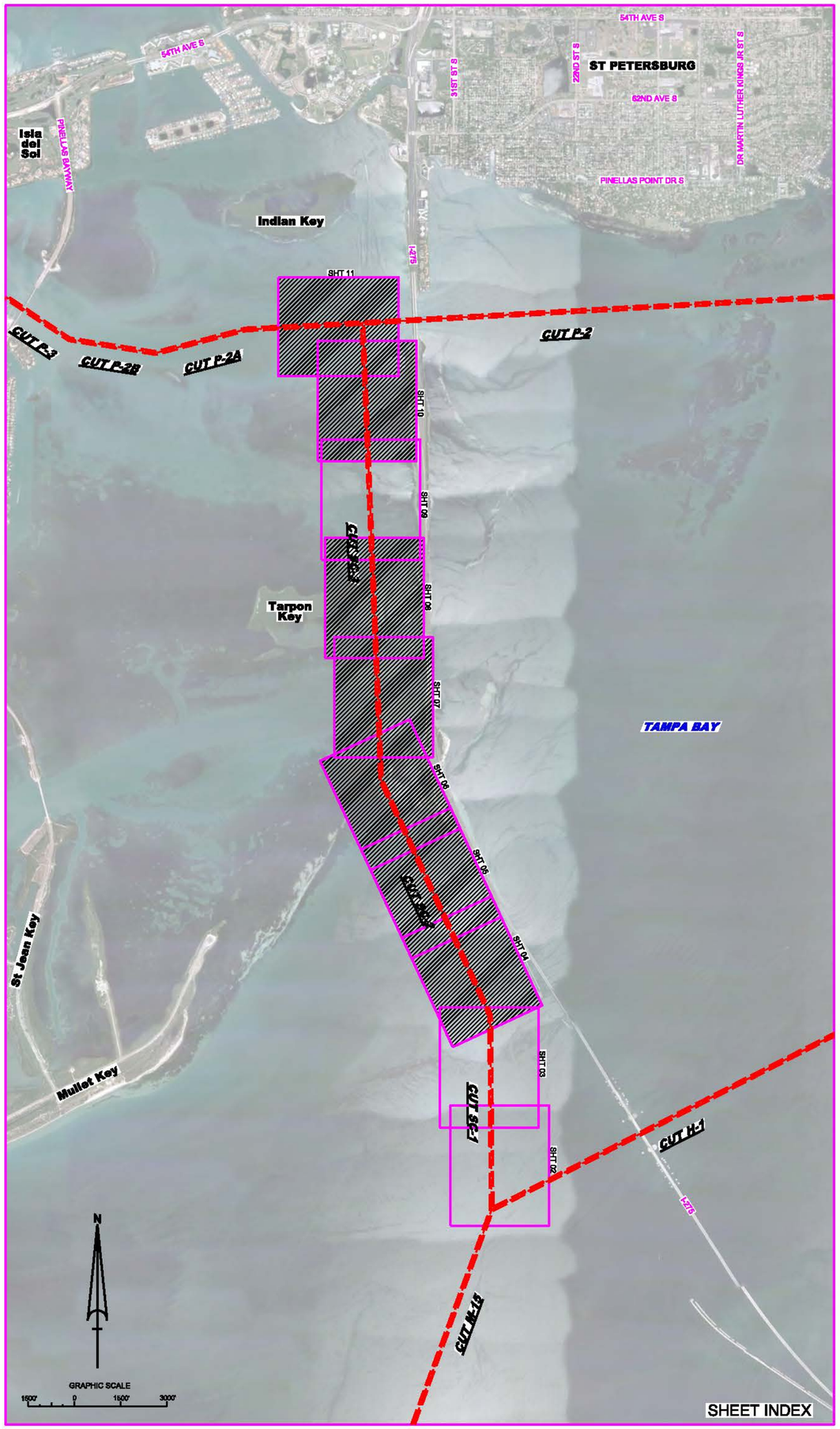


GIWW
SKYWAY CUTS SC- 2 & SC-3
DREDGE "MURDEN" AFTER-DREDGE SURVEY
9-FOOT PROJECT

LEGEND	
△	MONUMENT
	LIGHTED BEACON
■	GREEN DAYBEACON
▲	RED DAYBEACON
	RED LIGHTED BUOY
	GREEN LIGHTED BUOY
C	CAN BUOY
N	NUN BUOY
	TIDE STAFF
8	PROJECT DEPTH

SURVEY NOTES

1. REFER TO SURVEY NO. 12-014.
2. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO NOAA'S REPORTED MEAN LOWER LOW WATER (MLLW) OF THE 1983-2001 TIDAL EPOCH.
3. TIDAL REDUCTIONS WERE OBTAINED UTILIZING A REAL-TIME KINEMATIC (RTK) GPS AND REFERENCED TO MLLW UTILIZING A KINEMATIC TIDE DATUM (KTD) MODEL BASED UPON NOAA'S VDATUM. KTD FILE NAME IS: "SPC-FL-WEST-2010-12-07.KTD".
4. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGN.
5. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE WEST 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. THIS SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC (RTK) GPS POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATION:

   REFERENCE BASE LOCATED AT "TH 89 USE" (OPUS PID#AG0988)

   TIDE STAFF LOCATED FROM "N 17" (NGS PID#AG5266)
9. DEPTHS DEPICTED BY THIS SURVEY ARE REFERENCED TO MLLW, TIDAL EPOCH 1983-2001 AS REPORTED BY THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA). NOAA'S VDATUM MODEL WAS USED AND CALIBRATED TO THE PUBLISHED MLLW HEIGHTS OF THE BENCHMARKS ASSOCIATED WITH THE TIDE GAGE SITES SPECIFIED BELOW:

   NOAA TIDAL STATION 872-4628, TIERRA VERDE, FLORIDA

   VERTICAL MEASUREMENTS WERE MADE USING A ROSS 835 SMART SOUNDER OPERATING AT 28/200 KHZ. ALL SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.

VESSEL	DATE OF SURVEY	CUT
SB-32	07, 09 MAR 2012	SC-2 & SC-3

10. AIDS TO NAVIGATION WERE LOCATED DURING THIS SURVEY.
11. 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 THE SURVEY AND IS NOT TO BE USED FOR NAVIGATION.
12. 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

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

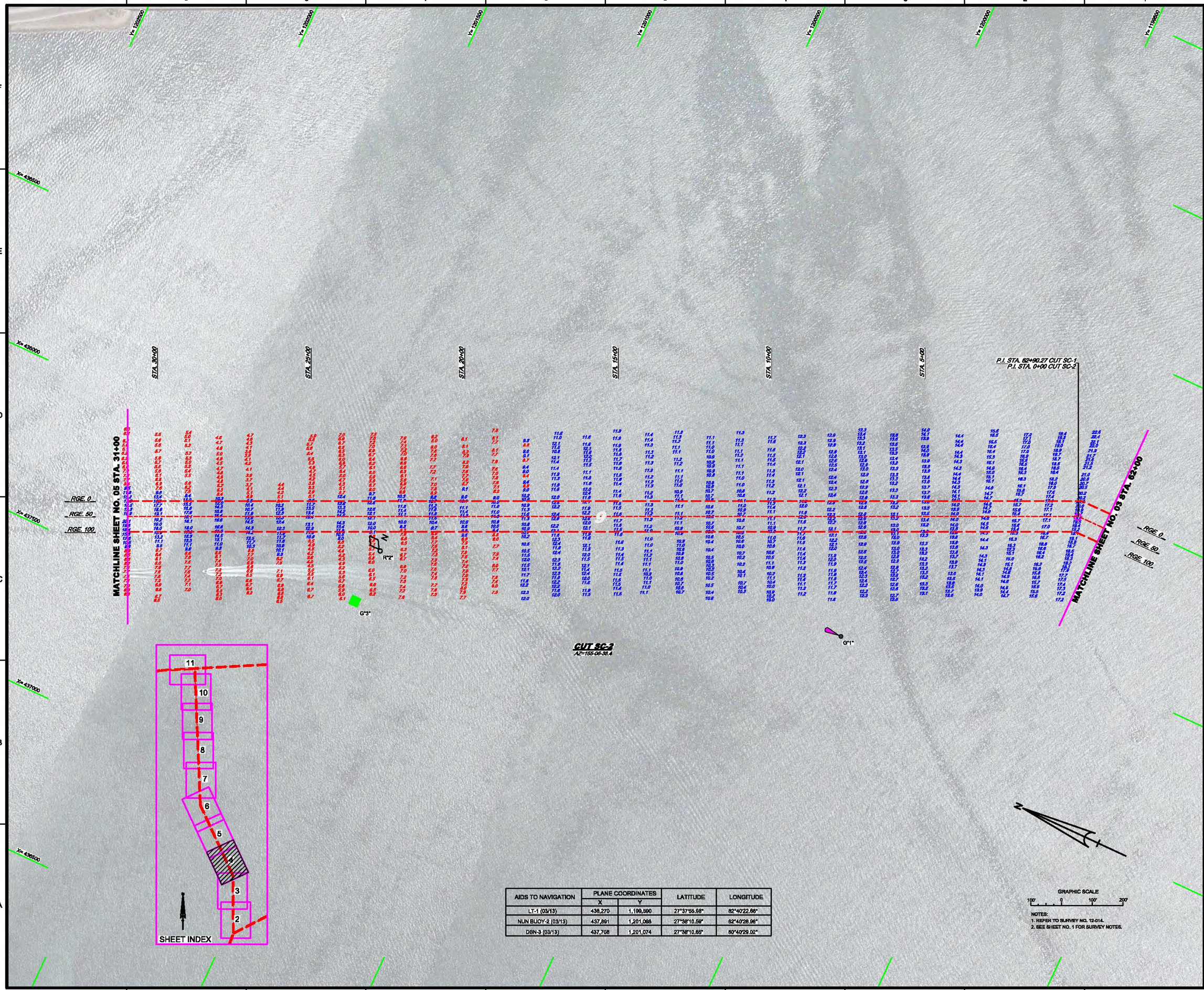
Chkd by: GB
Drawn by: WRM
Des. by: WRM
Date: DD MMM YYYY
Reference files: 12-014-XR-BS91.DGN
File name: 12-014-XR-BS91.DGN

GULF INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
DREDGE "MURDEN" AFTER-DREDGE SURVEY
9-FOOT PROJECT
INDEX, LOCATION AND VICINITY
MAP

Scale: AS SHOWN

Drawing no.
1/8

SHEET 01 OF 11



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-1 (03/13)	438,270	1,199,590	27°37'55.98"	82°40'22.68"
NUN BUOY-2 (03/13)	437,891	1,201,066	27°38'10.59"	82°40'28.96"
DBN-3 (03/13)	437,708	1,201,074	27°38'10.65"	80°40'29.02"

NOTES:
1. REFER TO SURVEY NO. 12-014.
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

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

Cad by: GR
Drawn by: WRM
Checked by: WRM
Cover by: WRM
Rev. No. V01.01SR-XX-XXXX
Date: DD MMM YYYY

XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
12-014-V-SCUT_SC2.DGN
GRWM-C-NBSNCF.DGN
12-014-C-BSB-BIDER.DGN
Reference files:
12-014-V01-SR04.DGN
File name:

GULF INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER

DREDGE "MURDEN" AFTER-DREDGE SURVEY
9-FOOT PROJECT

STA. 62+00 CUT SC-1 THRU STA. 31+00 CUT SC-2

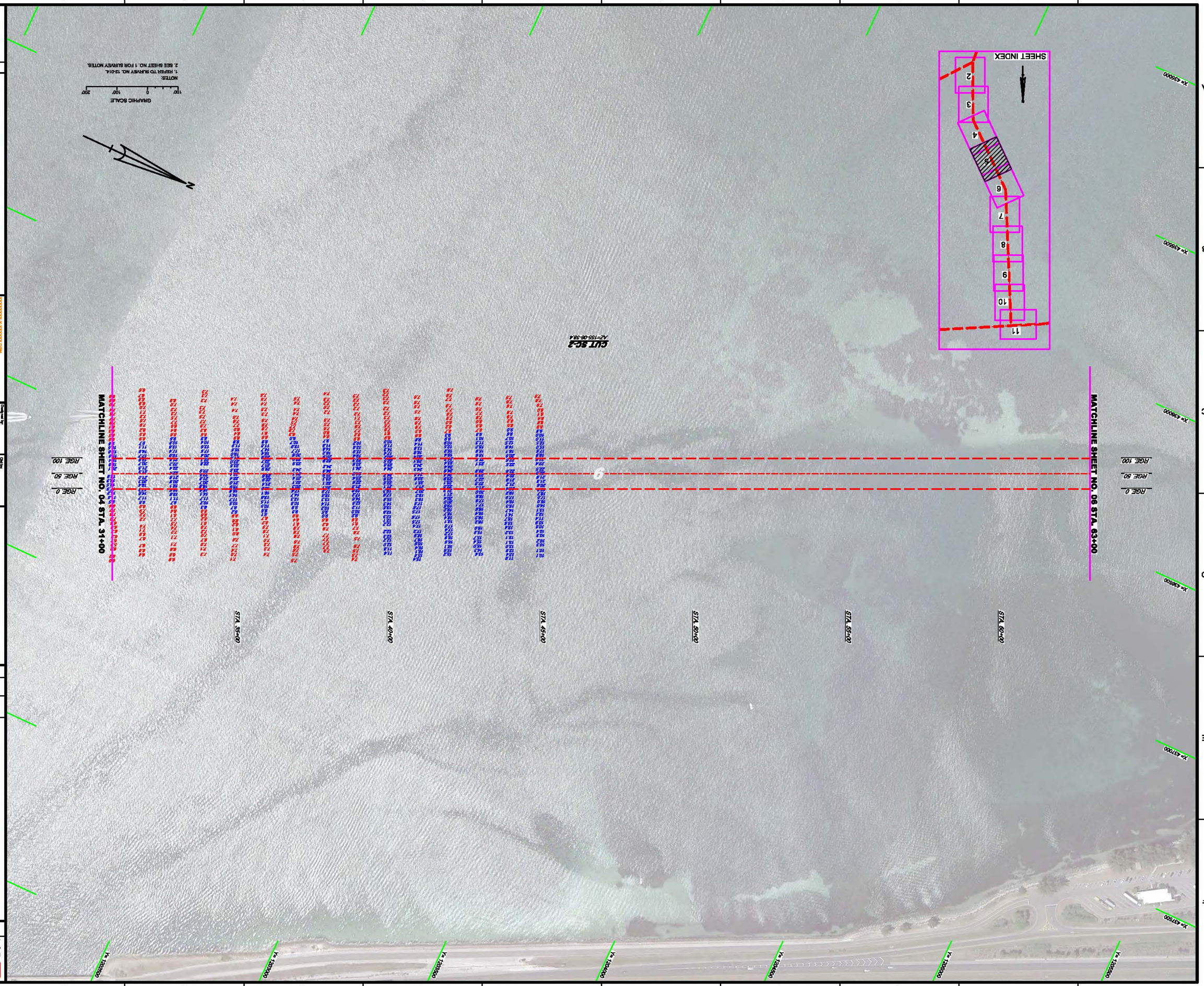
PLAN

Scale: AS SHOWN

Drawing no.

2/8

SHEET 04 OF 11



GULF INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
DREDGE "MURDEN" AFTER-DREDGE SURVEY
8-FOOT PROJECT
STA. 31+00 THRU STA. 63+00 CUT 8C-2
PLAN

Scale: AS SHOWN
Drawing no. 3/8
SHEET 05 OF 11

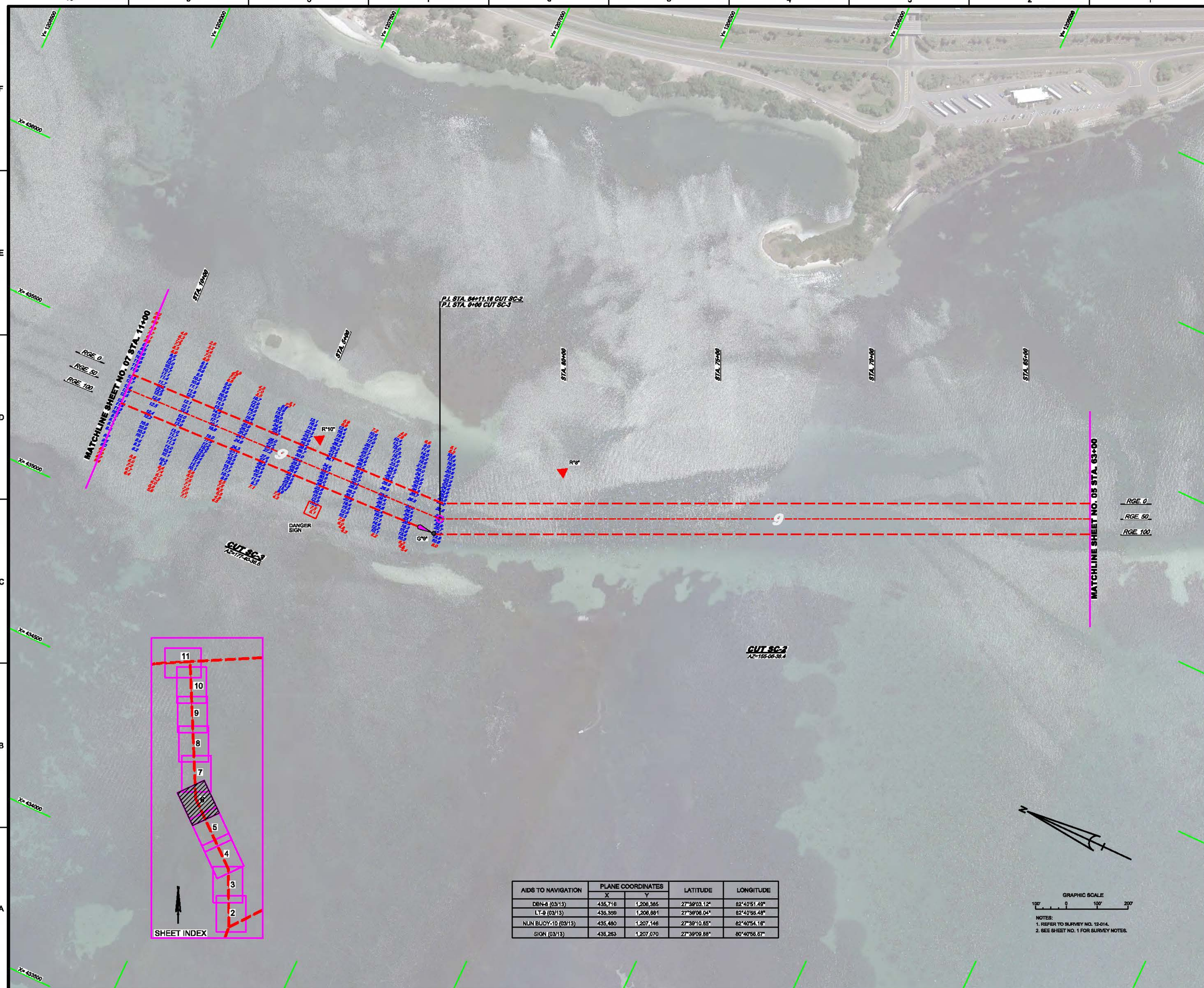
DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Drawn by: WRM
Chk by: GB
Dsgn by: WRM
Rev. No.: W911RP-XX-X-XXXX
Date: DD MMM YYYY

Reference files:
12-014-AH-BB05.DGN

SAFETY ON THIS JOB DEPENDS ON YOU

US Army Corps of Engineers
Jacksonville District



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-8 (03/13)	435,716	1,206,365	27°39'03.12"	82°40'51.49"
LT-9 (03/13)	435,359	1,206,881	27°39'06.04"	82°40'55.48"
NUN BUOY-10 (03/13)	435,480	1,207,146	27°39'10.65"	82°40'54.16"
SIGN (03/13)	435,263	1,207,070	27°39'09.88"	80°40'56.67"

NOTES:
1. REFER TO SURVEY NO. 12-014.
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

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

Checked by: GR
Designed by: WRM
Drawn by: WRM
Sol. No. W912BP-XX-X-XXXX
Date: DD MMM YYYY

XXXXXXXXX-X-XXXXXX.DGN
XXXXXXXXX-X-XXXXXX.DGN
XXXXXXXXX-X-XXXXXX.DGN
XXXXXXXXX-X-XXXXXX.DGN
12-014-X-BGUN_BGS.DGN
BWW-CAKMCCF.DGN
12-014-X-BBS-BRDP.DGN
Reference files:

12-014-XH-B606.DGN
File name:

GULF INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER

DREDGE "MURDEN" AFTER-DREDGE SURVEY
8-FOOT PROJECT

STA. 63+00 CUT SC-2 THRU STA. 11+00 CUT SC-3

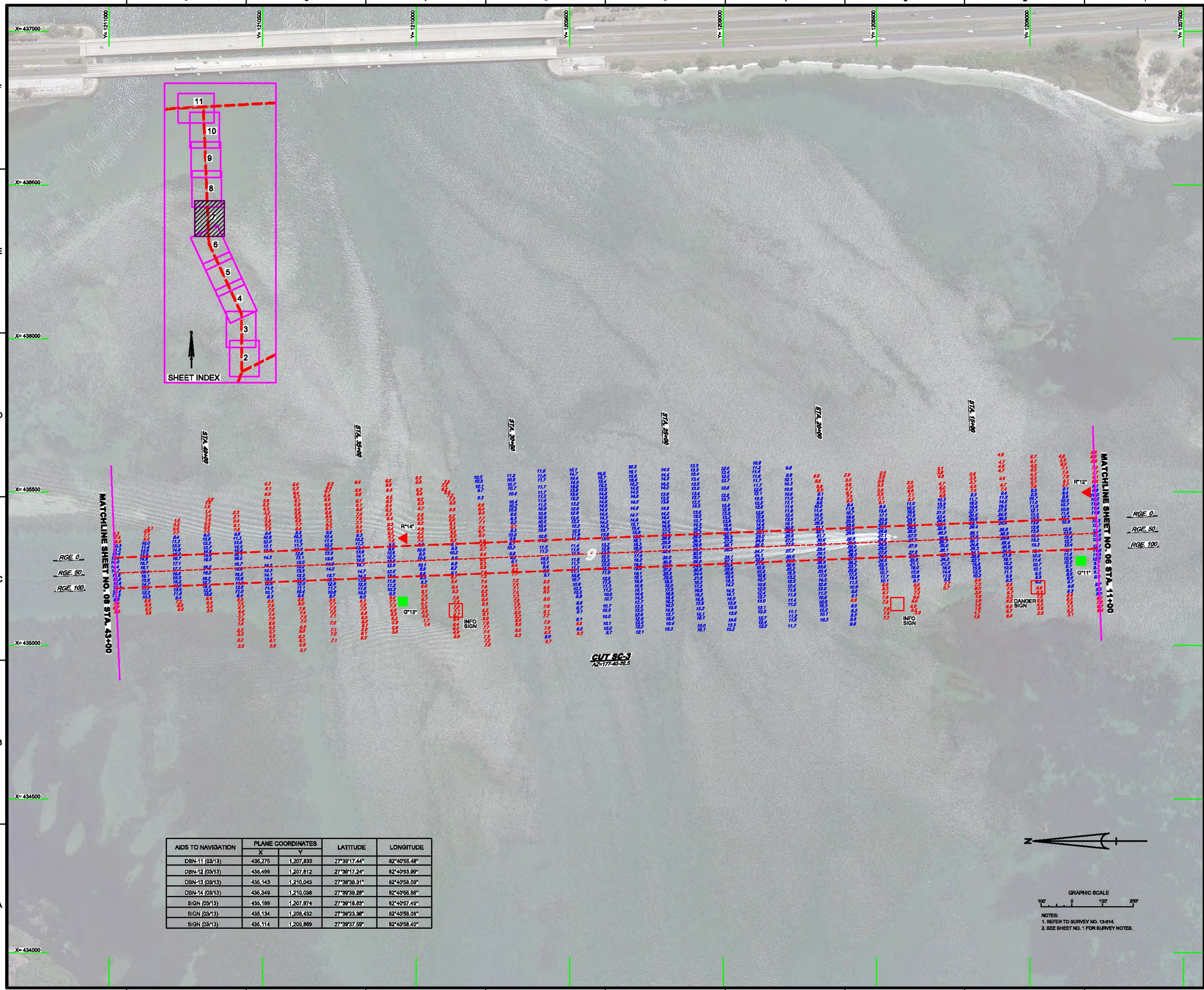
PLAN

Scale: AS SHOWN

Drawing no.

4/8

SHEET 06 OF 11



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-11 (03/13)	435,275	1,207,833	27°39'17.44"	82°40'58.48"
DBN-12 (03/13)	435,499	1,207,812	27°39'17.24"	82°40'53.99"
DBN-13 (03/13)	435,143	1,210,043	27°39'39.31"	82°40'58.09"
DBN-14 (03/13)	435,349	1,210,038	27°39'39.28"	82°40'55.88"
SIGN (03/13)	435,189	1,207,974	27°39'18.83"	82°40'57.45"
SIGN (03/13)	435,134	1,208,432	27°39'23.36"	82°40'58.08"
SIGN (03/13)	435,114	1,209,869	27°39'37.59"	82°40'58.40"

NOTES:
1. REFER TO SURVEY NO. 12-014.
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

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

Cad by: GR
Checked by: WRM
Covered by: WRM
Rev. No. V01/SER-XX-X-XXXX
Date: DD MMM YYYY

XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
12-014-V-SOUN_SOLDGN
GRWN-C-NBSNCF.DGN
12-014-C-BSB-BIER.DGN
Reference files:
12-014-VH-BB07.DGN
File name:

GULF INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER

DREDGE "MURDEN" AFTER-DREDGE SURVEY
9-FOOT PROJECT
STA. 11+00 THRU STA 43.+00 CUT SC-3
PLAN

Scale: AS SHOWN

Drawing no.
5/8

SHEET 07 OF 11

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU!

No.	Symbol	Zone

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

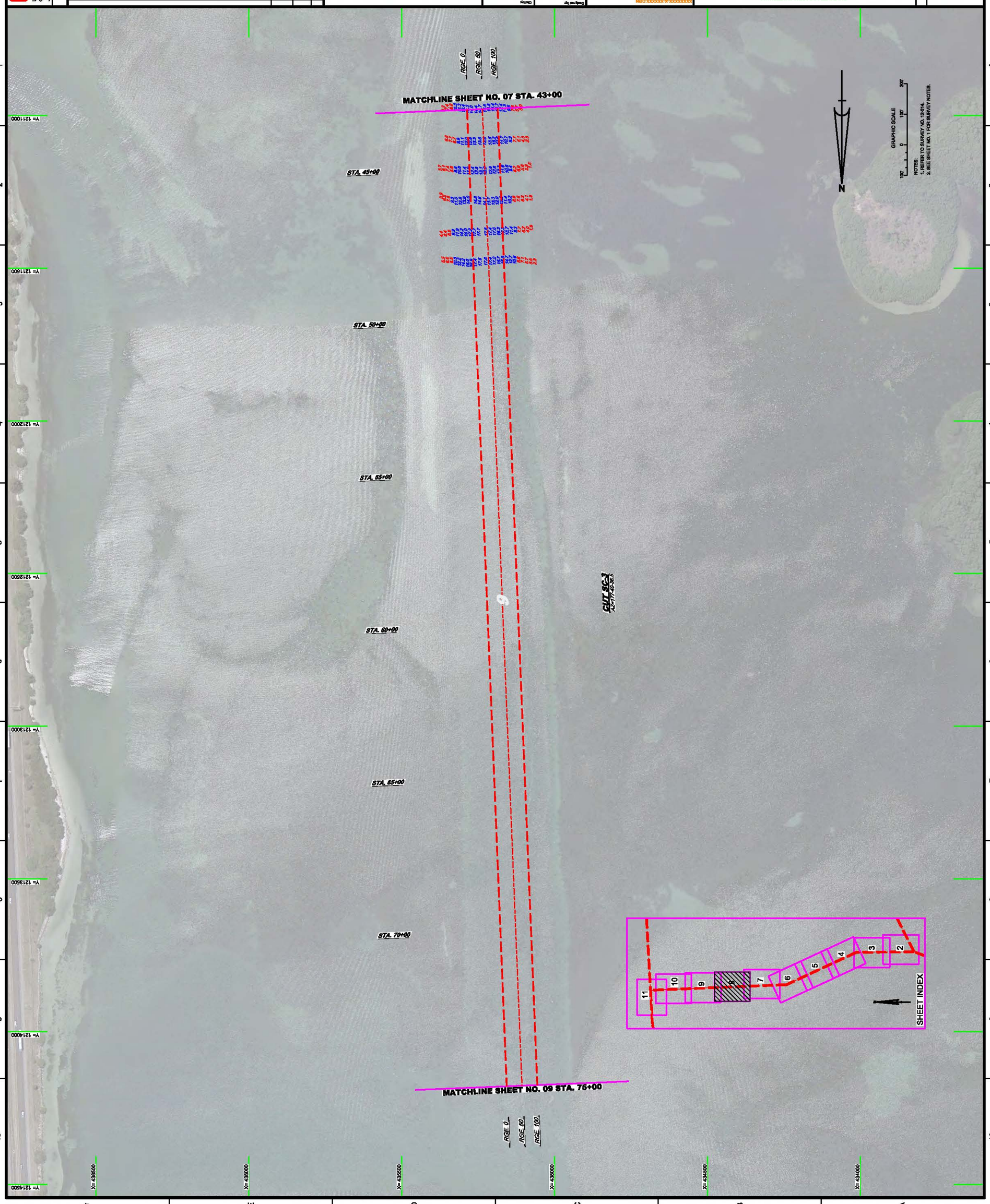
Design'ed by: WRM
Chk'd by: GR
Dwn by: WRM
Date: DD MMM YYYY
Sig. No. W911EF-XX-X-XXXX
File name: 12-014-VH-BH08.DGN
Project/Proj No. 12-014-C-BBHROR.DGN
12-014-SOUL_BCS.DGN
GIWW-C-NOMOD1.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN

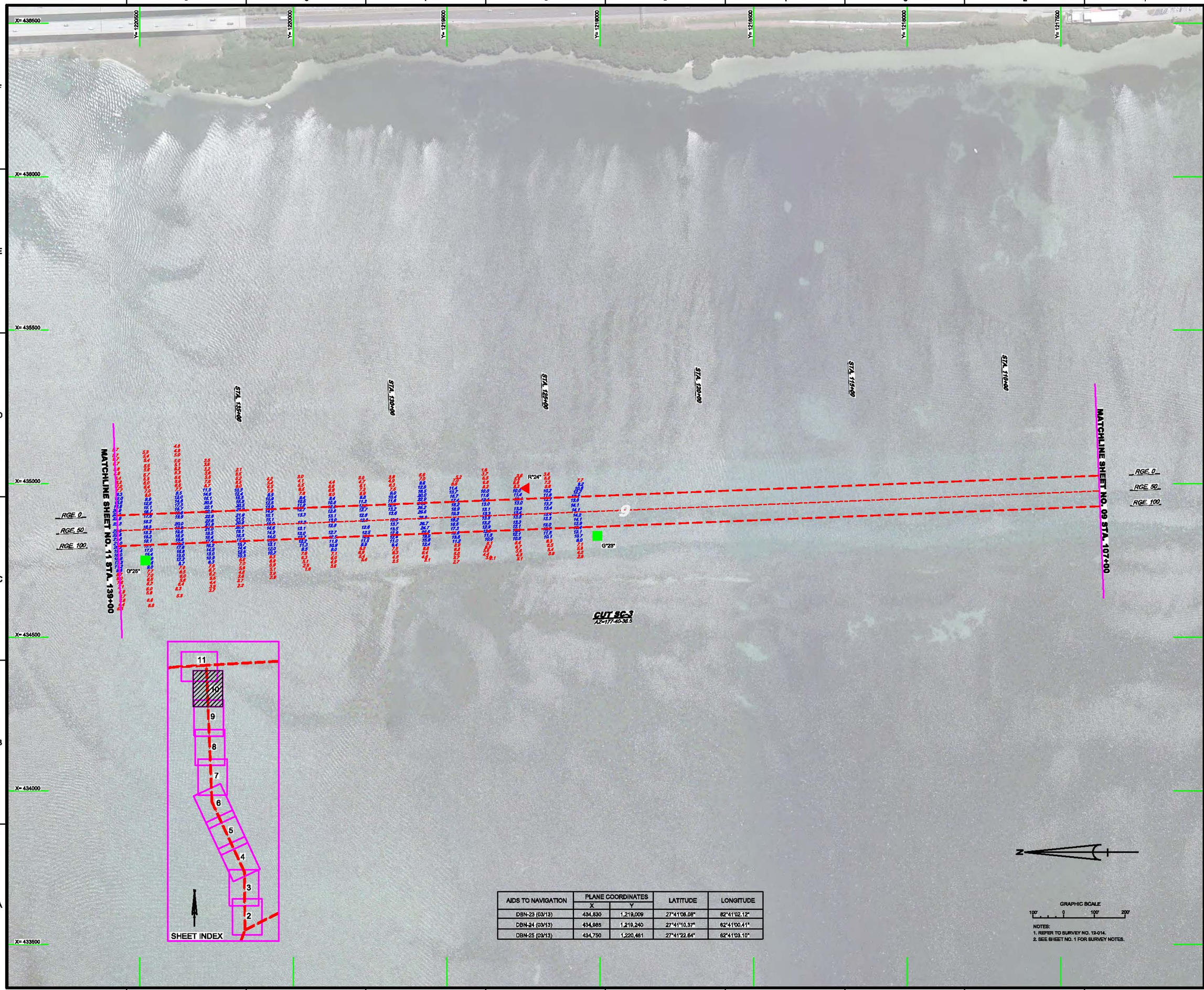
GULF INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER

DREDGE "MURDEN" AFTER-DREDGE SURVEY
9-FOOT PROJECT
STA. 43+00 THRU STA 75+00 CUT SC-3

PLAN

Scale: AS SHOWN
Drawing no. 6/8
SHEET 08 OF 11





AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-23 (03/13)	434,830	1,219,009	27°41'08.08"	82°41'02.12"
DBN-24 (03/13)	434,985	1,219,240	27°41'10.37"	82°41'00.41"
DBN-25 (03/13)	434,750	1,220,461	27°41'22.64"	82°41'03.10"

NOTES:
1. REFER TO SURVEY NO. 12-014.
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

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

Chief by: GR
Drawn by: WRM
Checked by: WRM
Date: DD MMM YYYY
Dir. No. W912BR-XX-A-XXXX

XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
12-014-V-SCUN_SC3.DGN
GRWW-C-NEWCUT.DGN
G-3-14-C-SS-SECR.DGN
12-014-W-SH10.DGN
Reference files:
File name:

GULF INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER

DREDGE "MURDEN" AFTER-DREDGE SURVEY
9-FOOT PROJECT

STA. 107+00 THRU STA 139+00 CUT SC-3

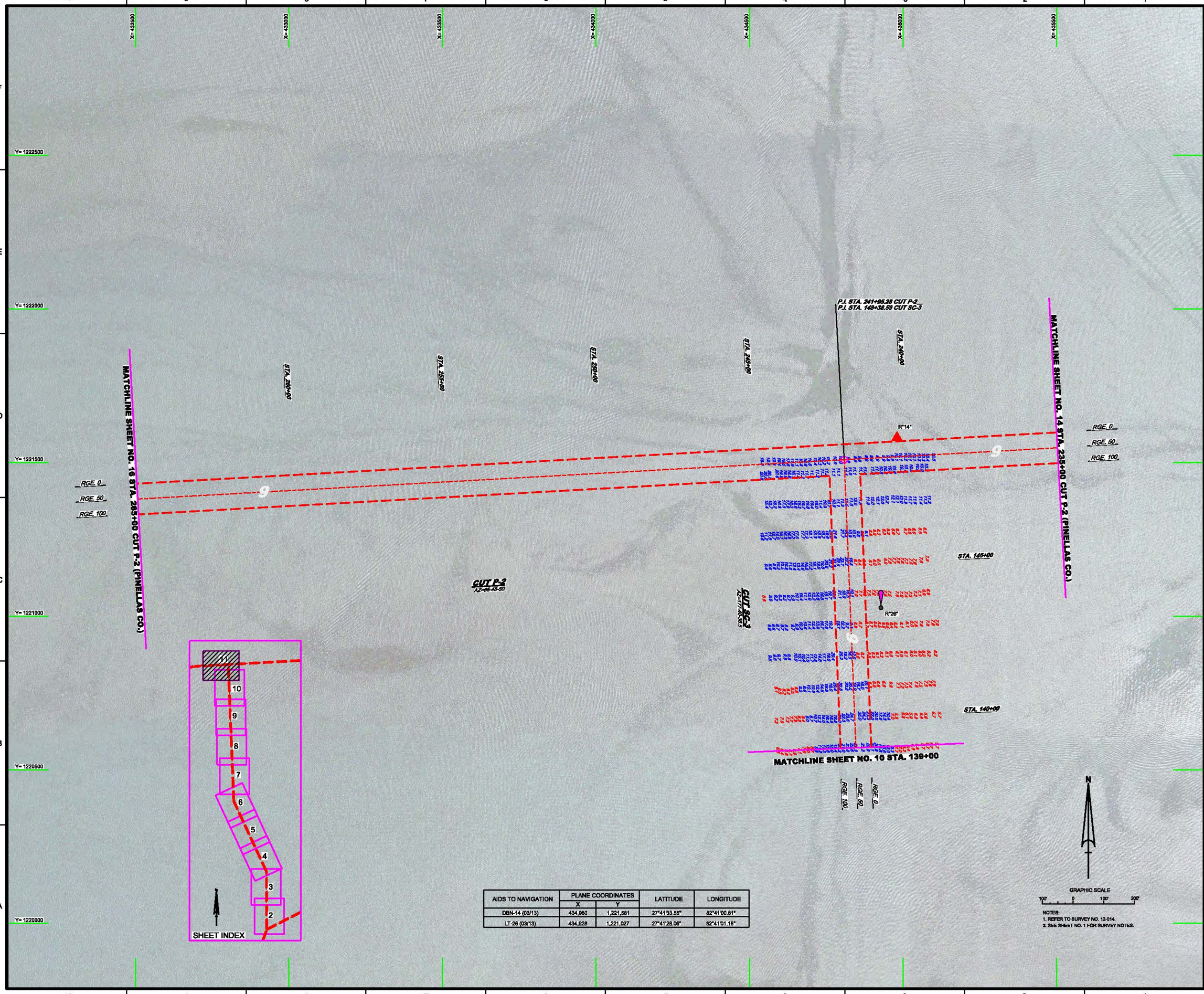
PLAN

Scale: AS SHOWN

Drawing no.

7/8

SHEET 10 OF 11



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-14 (03/13)	434,960	1,221,581	27°41'33.55"	82°41'00.81"
LT-26 (03/13)	434,928	1,221,027	27°41'28.06"	82°41'01.16"

NOTES:
1. REFER TO SURVEY NO. 12-014.
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

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

Designed by: WRM
Drawn by: WRM
Cad by: GR
Rev. No. V01(SER-XX-X-XXXX
Date: DD MMM YYYY

XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
12-014-V-SOUN_SOLD.DGN
GRWN-C-NBSNCDF.DGN
12-014-C-BBB-BIDER.DGN
Reference files:
12-014-WR-B811.DGN
File name:

GULF INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER

DREDGE "MURDEN" AFTER-DREDGE SURVEY
9-FOOT PROJECT

STA. 139+00 THRU STA. 283+00 CUT P-2 AND
STA. 235+00 THRU STA. 285+00 CUT P-2

PLAN

Scale: AS SHOWN

Drawing no.

8/8

SHEET 11 OF 11