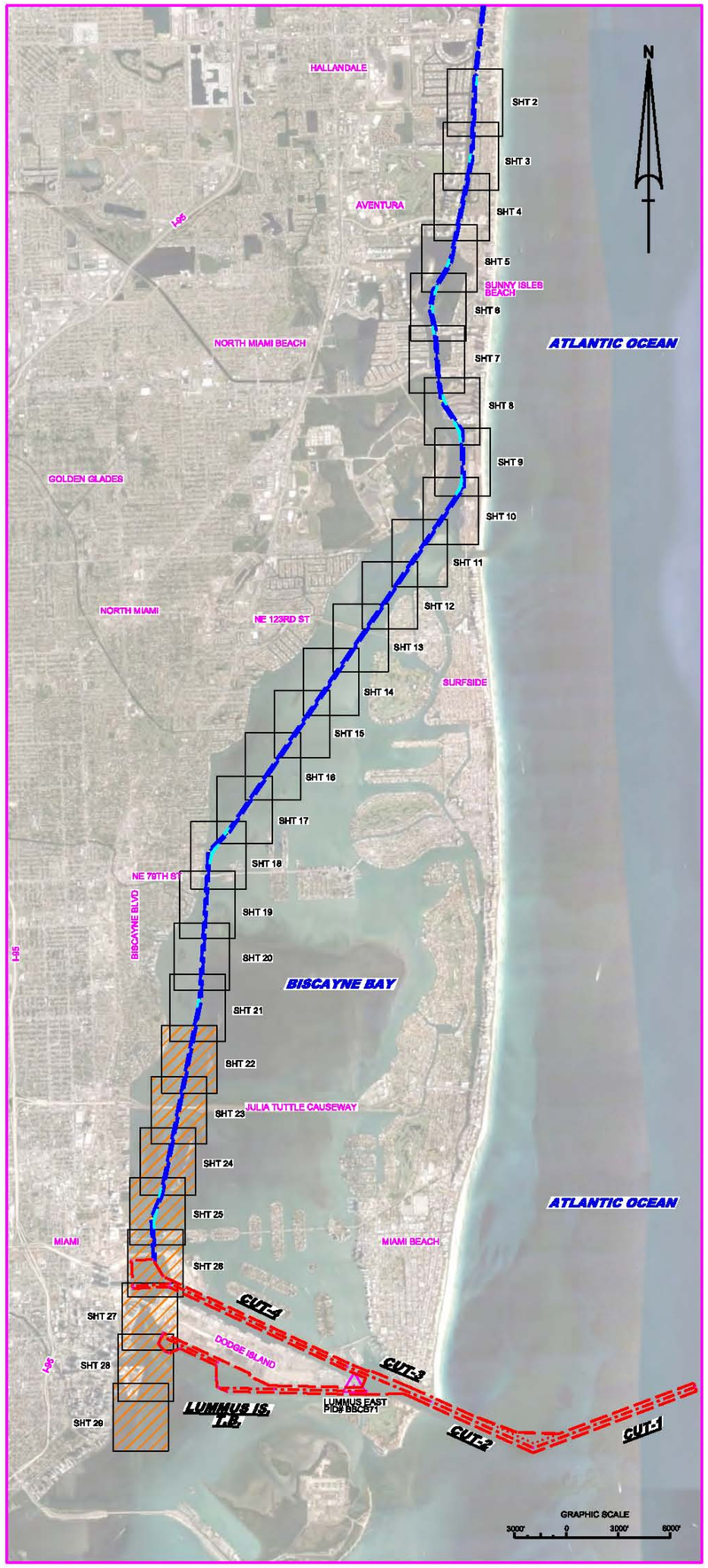
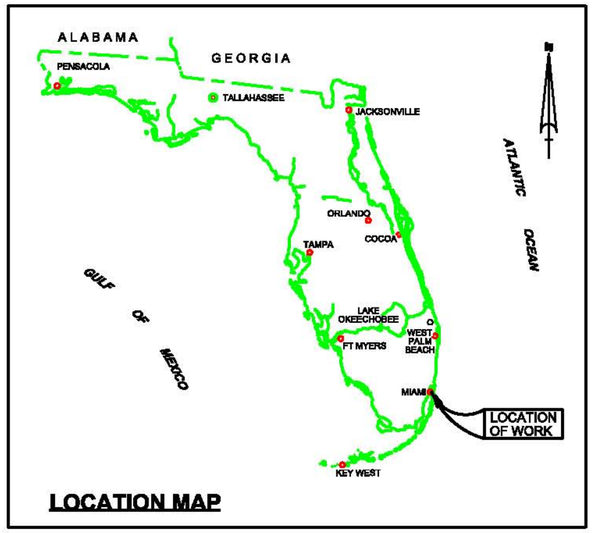


IWW (JACKSONVILLE TO MIAMI)
CUTS DA-12 THRU DA-14
10-FOOT PROJECT
AND
IWW (MIAMI TO KEY WEST)
CUTS D-1 THRU D-2
7-FOOT PROJECT
EXAMINATION SURVEY FY11



LOCATION MAP

BENCHMARK	NAVD ELEV. (FT)
LUMMUS EAST	9.96

LEGEND	
BM	BENCHMARK
	LIGHTED BEACON
	GREEN DAYBEACON
	RED DAYBEACON
	RED LIGHTED BUOY
	GREEN LIGHTED BUOY
	CAN BUOY
	NUN BUOY
	TIDE STAFF
8	PROJECT DEPTH

SURVEY NOTES

1. REFER TO SURVEY NO. 11-129.
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 HYPACK KINEMATIC TIDE DATUM (KTD) MODEL CALLED "MIAMI-HBR&RIV-03AUG2010.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 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. 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 GAUGE SITES SPECIFIED BELOW:

   NOAA TIDAL STATION LUMMUS EAST (PID: BBCB71) USED FOR ALL CUTS.

   VERTICAL MEASUREMENTS WERE MADE USING A ROSS 835 SMART SOUNDER DUAL FREQUENCY 28/200KHZ SINGLE-BEAM TRANSDUCER. ALL SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.

VESSEL	DATE OF SURVEY	CUT
SB-36	10 AUG 2011	DA-12 THRU DA-14, D-1, D-2

9. AIDS TO NAVIGATION WERE LOCATED DURING THIS SURVEY.
10. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF 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.
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

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

Designed by: MRM
Drawn by: MRM
Checked by: GR
Dir. No. W912EP-XX-X-XXXX
Dsnd. DD MMM YYYY

XXXXXXXX-X-XXXXXXX.DGN
XXXXXXXX-X-XXXXXXX.DGN
XXXXXXXX-X-XXXXXXX.DGN
XXXXXXXX-X-XXXXXXX.DGN
XXXXXXXX-X-XXXXXXX.DGN
MIAMI HARBOR-C-BPMCCF.DGN
IWW-C-BPMCCF_INTERIM-08-24-2011.DGN
11-129-SB-BBS.DGN
Reference files
11-129-WI-BB91.DGN
File name:

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
DADE COUNTY

HYDRO EXAMINATION SURVEY FY11
7 and 10-FOOT PROJECT

INDEX, LOCATION AND VICINITY MAP

Scale: AS SHOWN

Drawing no.

1 / 9

SHEET 01 OF 29

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-36 (08/11)	927,529	540,601	25°49'06.86"	80°10'30.32"
DBN-37 (08/11)	927,715	540,401	25°49'04.87"	80°10'28.30"
DBN-39 (08/11)	927,497	539,162	25°48'52.61"	80°10'30.77"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 11-129.
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
Checked by: GR
Date: DD MMM YYYY
Sur. No. W912EP-XX-X-XXXX

XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
11-129-VH-SURVEY.DGN
11-124-VH-SOUN_DA12.DGN
WW-C-SPMCCF_INTERIM-08-24-2011.DGN
11-128-S-BS.DGN
Reference files:
11-128-VH-SR22.DGN
File name:

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
DADE COUNTY

HYDRO EXAMINATION SURVEY FY11
7 and 10-FOOT PROJECT

STA. 18+00 THRU STA. 48+00 CUT DA-12

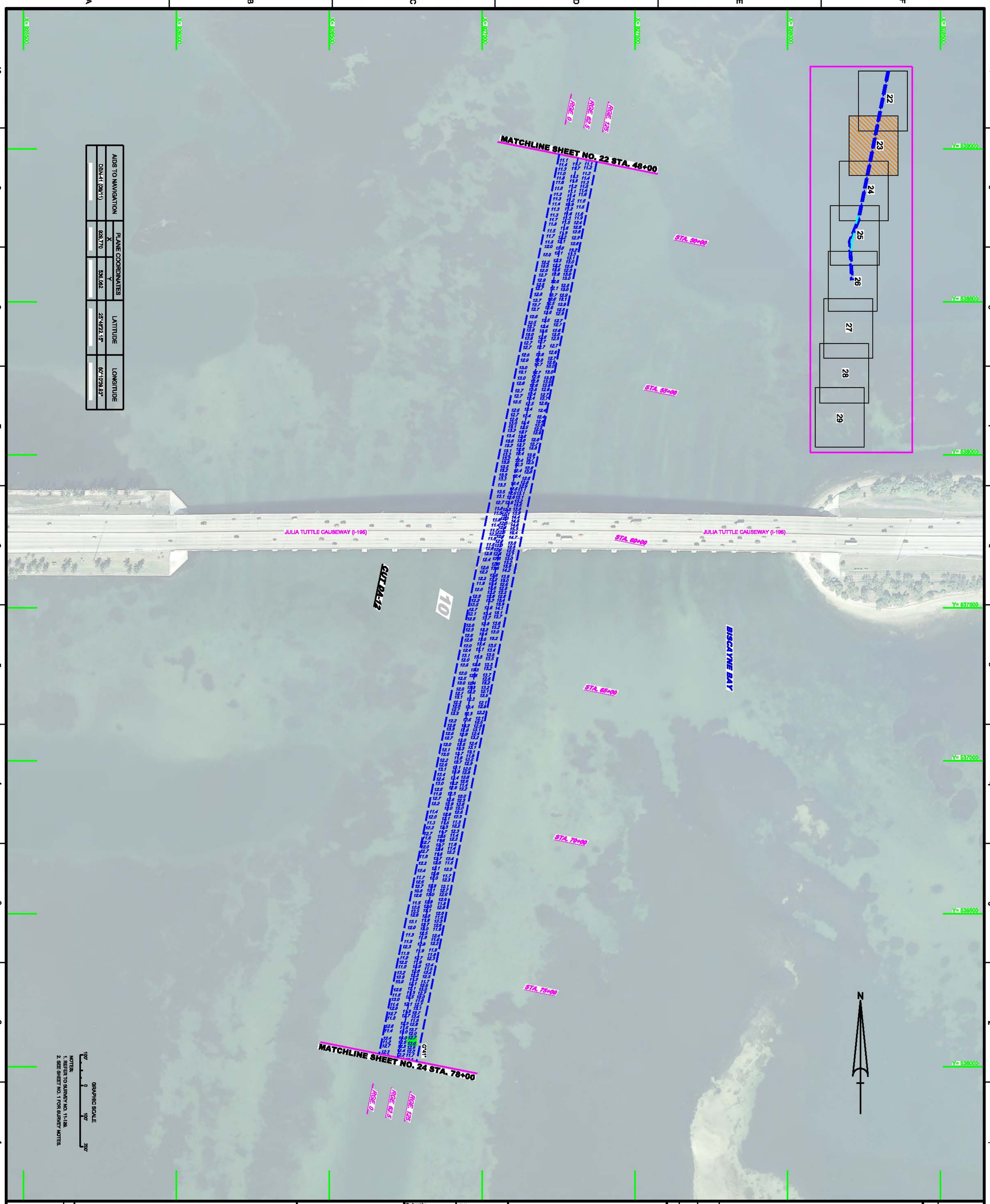
PLAN

Scale: AS SHOWN

Drawing no.

2 / 9

SHEET 22 OF 29



AIDS TO NAVIGATION	PLANE COORDINATES X	PLANE COORDINATES Y	LATITUDE	LONGITUDE
DBN-41 (08/11)	928,770	536,062	25°45'22.15"	80°10'39.83"

NOTES:
1. REFER TO SURVEY NO. 11-129.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
DADE COUNTY

HYDRO EXAMINATION SURVEY FY11
7 and 10-FOOT PROJECT

STA. 48+00 THRU STA. 78+00 CUT DA-12

PLAN

Scale: AS SHOWN

Drawing no. 3 / 9

SHEET 23 OF 29

XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
11-129-V-NAVAIDS.DGN
11-129-V-SOUN_DA12.DGN
IWW-C-SPMCCF_INTERIM-06-24-2011.DGN
11-129-C-BS.DGN
Reference files:

11-129-VH-SH23.DGN
File name:

Designed by:	Chd by:
WRM	GR
DWN by: WRM	

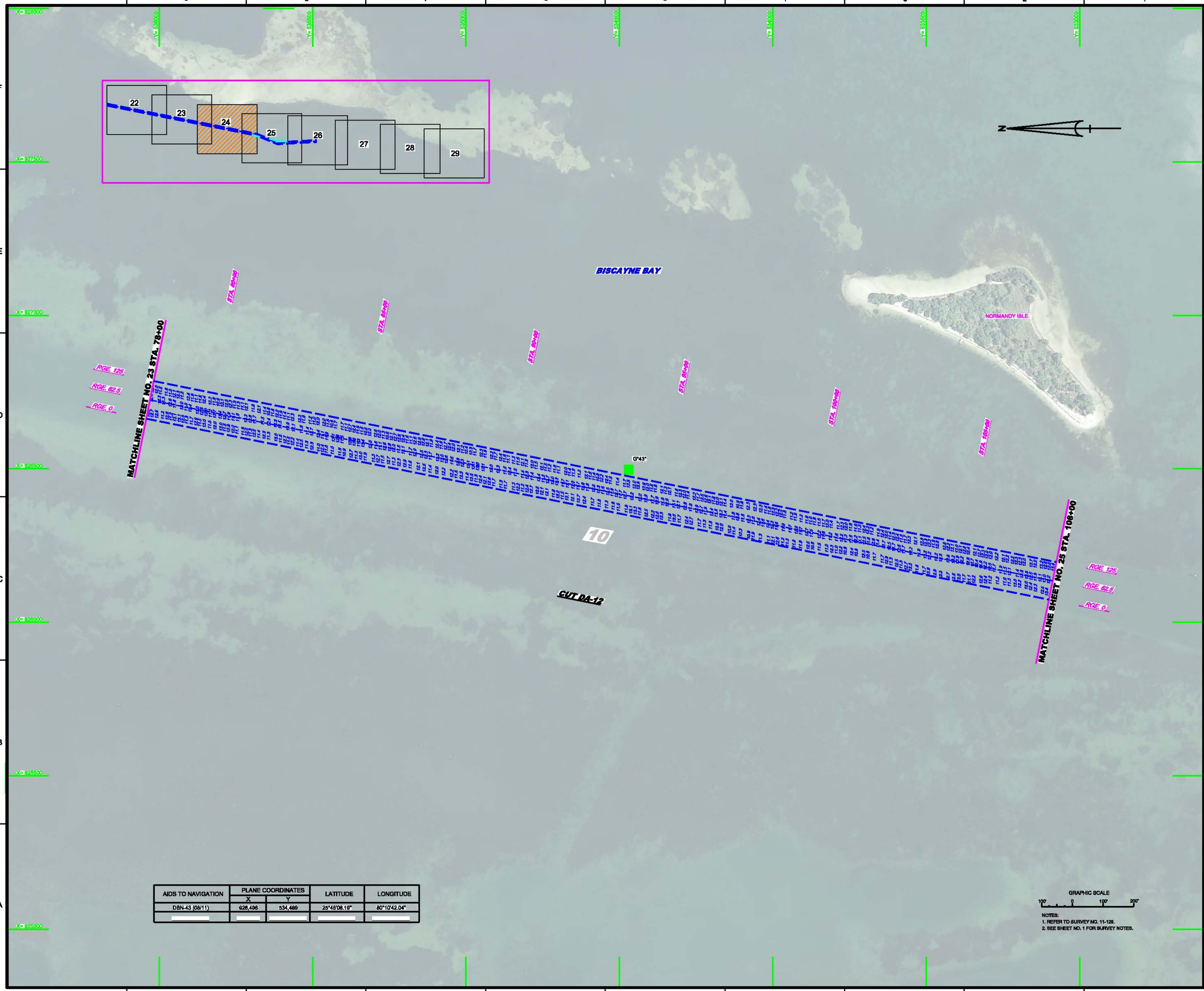
Inv. No. W912EP-XX-X-XXXX
Dated: DD MMM YYYY

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

No.	Symbol	Zone

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-43 (08/11)	926,496	534,489	25°48'08.19"	80°10'42.04"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 11-129.
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
DWN by: WRM
Ckd by: GR
Rev. No.
Date: DD MMM YYYY
W912EP-XX-X-XXXX

XXXXXXXX-X-XXXXX.DGN
XXXXXXXX-X-XXXXX.DGN
XXXXXXXX-X-XXXXX.DGN
XXXXXXXX-X-XXXXX.DGN
XXXXXXXX-X-XXXXX.DGN
11-129-XX-GEOJN_DATE.DGN
WW-C-BPMCGF_INTERM-09-24-2011.DGN
11-129-03-SEL.DGN
Reference files:

11-129-XX-RS24.DGN
File name:

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
DADE COUNTY

HYDRO EXAMINATION SURVEY FY11
7 and 10-FOOT PROJECT

STA. 78+00 THRU STA. 108+00 CUT DA-12

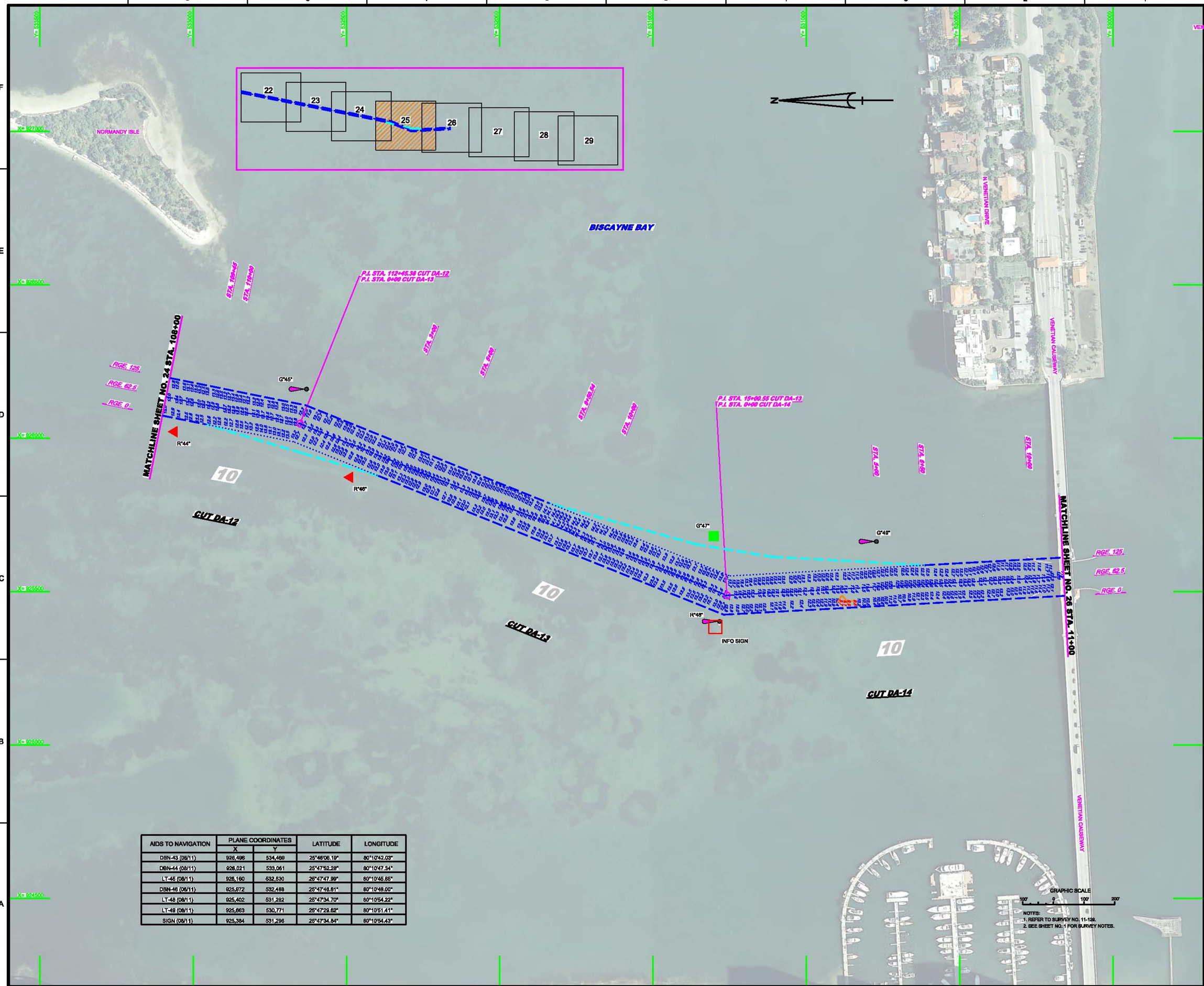
PLAN

Scale: AS SHOWN

Drawing no.

4 / 9

SHEET 24 OF 29



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-43 (08/11)	926,496	534,469	25°48'06.19"	80°10'42.03"
DBN-44 (08/11)	926,021	533,061	25°47'52.28"	80°10'47.34"
LT-45 (08/11)	926,160	532,530	25°47'47.99"	80°10'45.85"
DBN-46 (08/11)	925,872	532,488	25°47'48.81"	80°10'48.00"
LT-48 (08/11)	925,402	531,282	25°47'34.70"	80°10'54.22"
LT-49 (08/11)	925,663	530,771	25°47'29.82"	80°10'51.41"
SIGN (08/11)	925,384	531,296	25°47'34.84"	80°10'54.43"

NOTES:
1. REFER TO SURVEY NO. 11-128.
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
Design by: WRM
Date: DD MMM YYYY

DGN/DGN/DGN
11-128-V-CONTROL.DGN
11-128-V-NAVAIDS.DGN
11-128-V-SOUN_DA14.DGN
11-128-V-SOUN_DA13.DGN
11-128-V-SOUN_DA12.DGN
WW-C-SPMCCF_INTERIM-08-24-2011.DGN
11-128-V-BS.DGN
Reference files:
11-128-V-H-RIGS.DGN
File name:

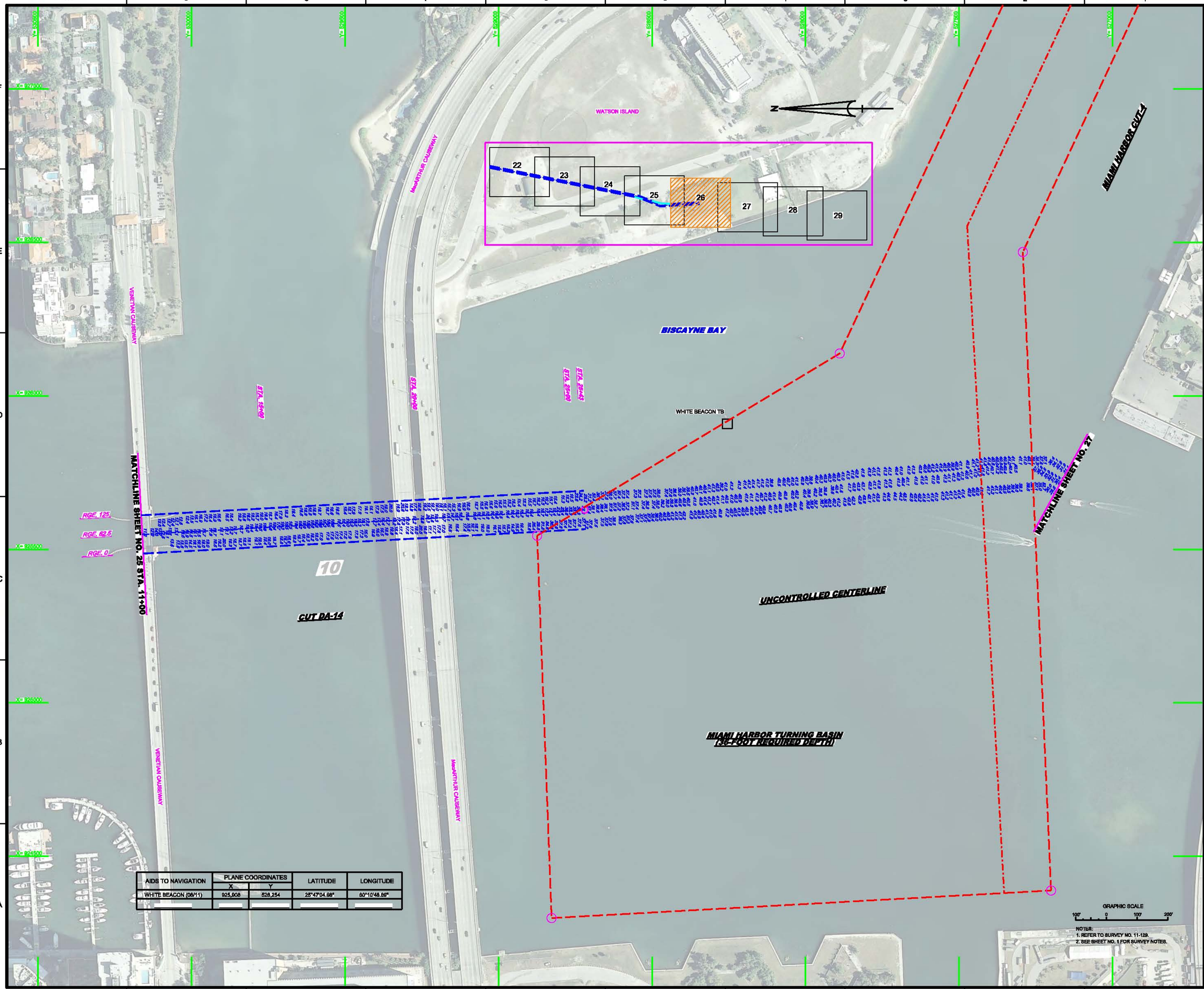
INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
DADE COUNTY

HYDRO EXAMINATION SURVEY FY11
7 and 10-FOOT PROJECT
STA. 108+00 CUT DA-12 THRU STA. 11+00 CUT DA-14
PLAN

Scale: AS SHOWN

Drawing no.
5 / 9

SHEET 25 OF 29



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
WHITE BEACON (08/11)	925,908	528,254	25°47'04.88"	80°10'48.99"

NOTES:
1. REFER TO SURVEY NO. 11-129.
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

Chk'd by: GR
Designed by: WRM
DWN by: WRM
Dsn. No. W912EP-XX-X-XXXX
Date: DD MMM YYYY

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
DADE COUNTY

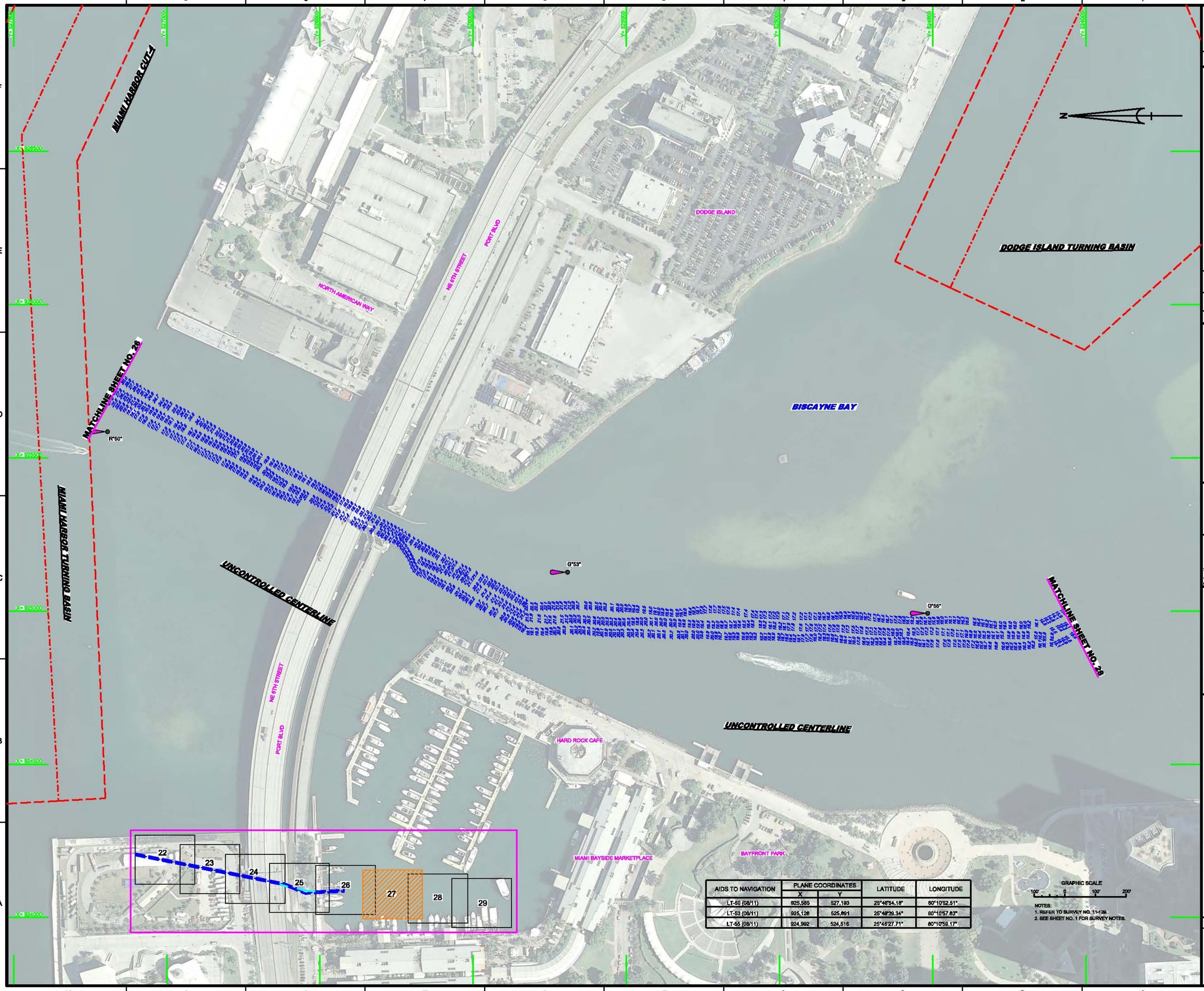
HYDRO EXAMINATION SURVEY FY11
7 and 10-FOOT PROJECT
STA. 11+00 TO STA. 25+00 CUT DA-1
THRU UNCONTROLLED CENTERLINE

PLAN

Scale: AS SHOWN

Drawing no.
6 / 9

SHEET 26 OF 29



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-50 (08/11)	925,585	527,193	25°46'54.18"	80°10'52.51"
LT-53 (08/11)	925,128	525,691	25°46'39.34"	80°10'57.83"
LT-55 (08/11)	924,992	524,516	25°46'27.71"	80°10'59.17"

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 11-129.
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
Designed by: WRM
Const by: WRM
Dwg. No. W912EP-XX-X-XXXX
Dated: DD MMM YYYY

XXXXXXXX-X-XXXXXXX.DGN
XXXXXXXX-X-XXXXXXX.DGN
11-129-H-NAVA05.DGN
11-129-H-SOUN_01.DGN
11-129-H-SOUN_02.DGN
11-129-H-SOUN_LINE2.DGN
MIAMI HARBOR-C-SPMCCF.DGN
11-129-G-BS.DGN
Reference files:
11-129-VH-B127.DGN
File name:

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
DADE COUNTY

HYDRO EXAMINATION SURVEY FY11
7 and 10-FOOT PROJECT

UNCONTROLLED CENTERLINE

PLAN

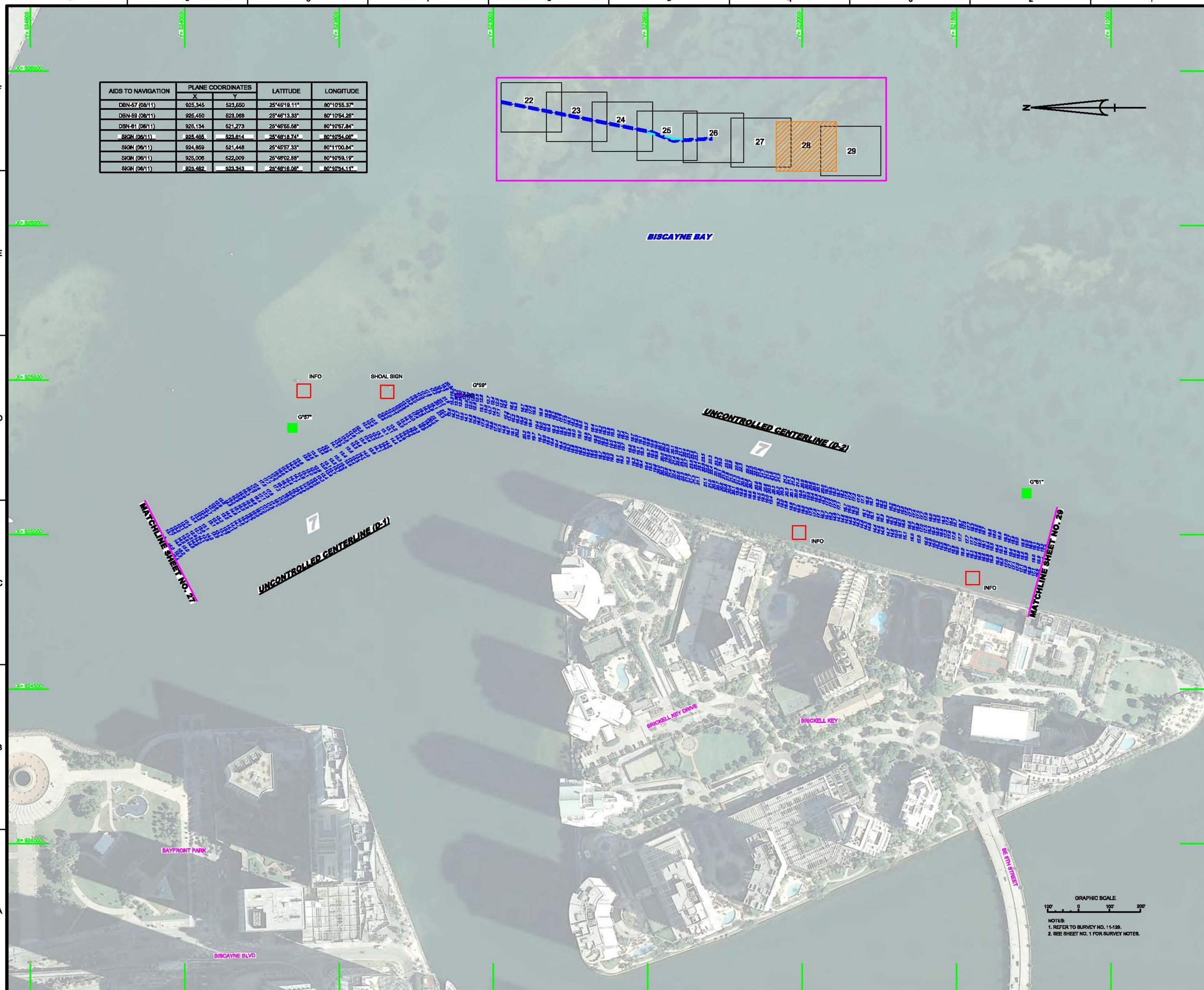
Scale: AS SHOWN

Drawing no.

7 / 9

SHEET 27 OF 29

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-57 (08/11)	925,345	523,650	25°46'19.11"	80°10'55.37"
DBN-59 (08/11)	925,450	523,068	25°46'13.33"	80°10'54.26"
DBN-61 (08/11)	925,134	521,273	25°46'55.58"	80°10'57.84"
SIGN (06/11)	925,485	523,614	25°46'18.74"	80°10'54.06"
SIGN (06/11)	924,959	521,448	25°45'57.33"	80°11'00.84"
SIGN (06/11)	925,006	522,009	25°46'02.88"	80°10'59.19"
SIGN (06/11)	925,462	523,343	25°46'16.09"	80°10'54.11"



NOTES:
1. REFER TO SURVEY NO. 11-129.
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
Designed by: WRM
Drawn by: WRM
Ser. No. W912EP-XX-X-XXXX
Dated: DD MMM YYYY

XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
11-129-V-WAVES.DGN
11-129-V-SOUN_D2.DGN
11-129-V-SOUN_D1.DGN
11-129-V-BS.DGN
Reference files:
11-129-VH-SR129.DGN
File name:

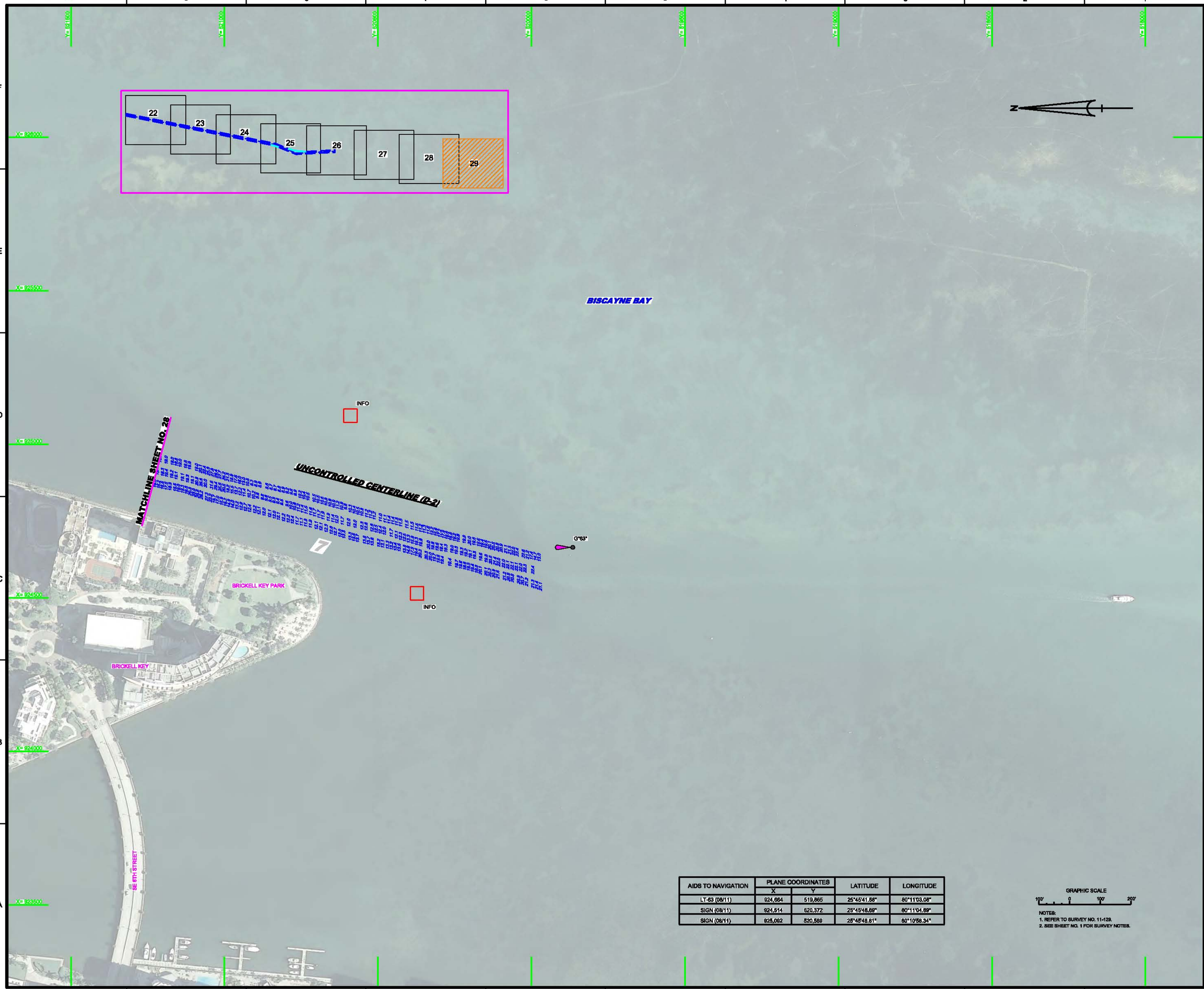
INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
DADE COUNTY

HYDRO EXAMINATION SURVEY FY11
7 and 10-FOOT PROJECT
UNCONTROLLED CENTERLINE
PLAN

Scale: AS SHOWN

Drawing no.
8 / 9

SHEET 28 OF 29



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-63 (08/11)	924,664	519,865	25°45'41.86"	80°11'03.08"
SIGN (08/11)	924,514	520,372	25°45'48.89"	80°11'04.69"
SIGN (08/11)	925,092	520,589	25°45'48.81"	80°10'58.34"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 11-129.
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
Chkd by: GR
Rev. No. W912BR-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
11-129-V-NAVATB.DGN
11-129-V-SIGN_D2.DGN
11-129-V-SIG.DGN
Reference files
11-129-V11-SH29.DGN
File name:

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
DADE COUNTY

HYDRO EXAMINATION SURVEY FY11
7 and 10-FOOT PROJECT
UNCONTROLLED CENTERLINE

PLAN

Scale: AS SHOWN

Drawing no.

9 / 9

SHEET 29 OF 29