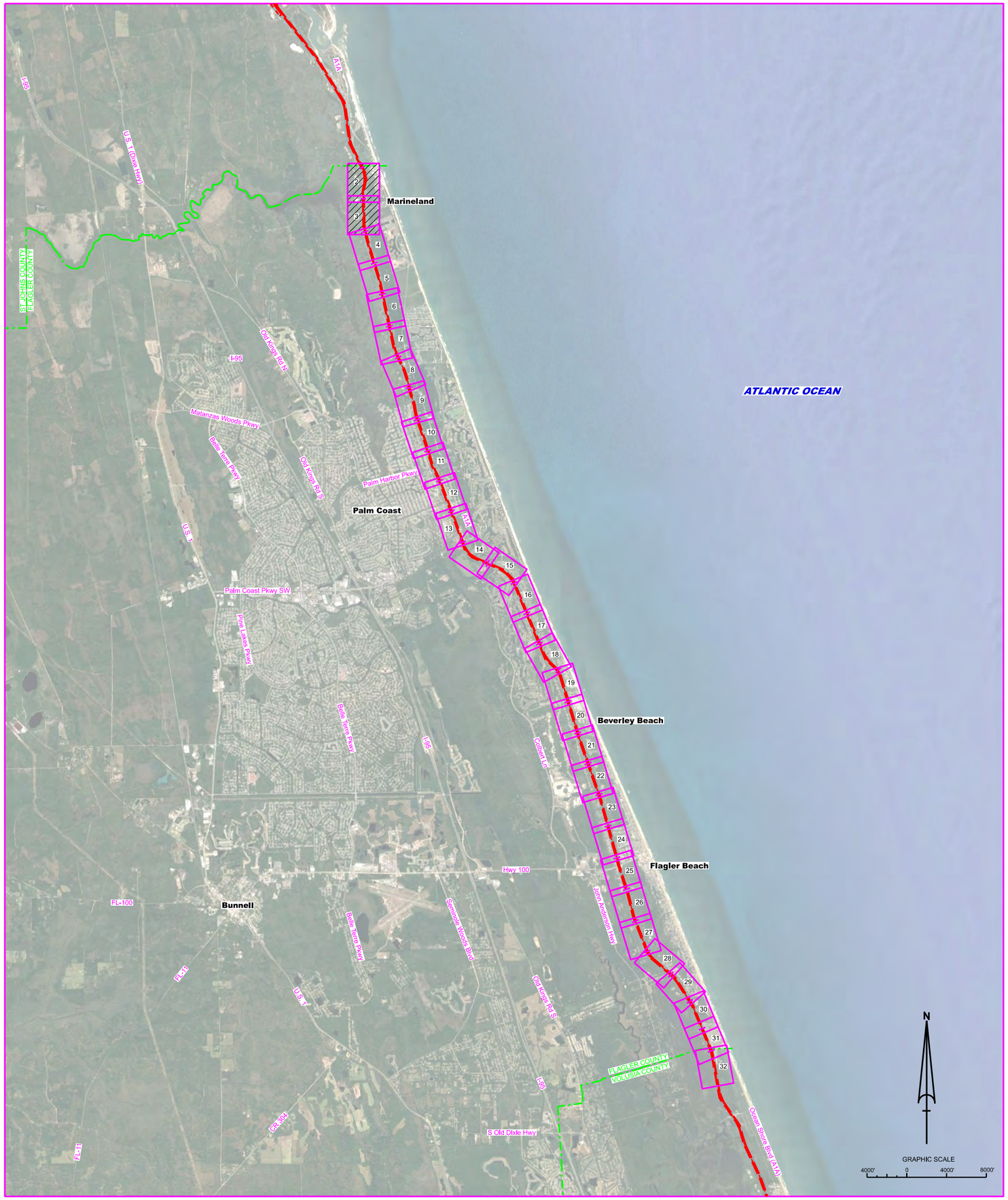


LOCATION MAP

IWW - JACKSONVILLE TO MIAMI
CUTS F-1 THRU F-2
FLAGLER COUNTY, FL
HYDROGRAPHIC EXAM SURVEY FY25
12-FOOT PROJECT

SURVEY NOTES

1. REFER TO SURVEY NO. 25-294
2. DEPTHS DEPICTED BY THIS SURVEY ARE REFERENCED TO THE VERTICAL DATUM OF MEAN LOWER LOW WATER (MLLW), TIDAL EPOCH 1983-2001 AS PUBLISHED BY THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA).
3. NOAA'S VDATUM MODEL, AND PUBLISHED TIDE STATION DATA, WERE USED TO GENERATE A HYPACK KINEMATIC TIDE (KTD) MODEL, WHICH WAS USED TO CONVERT BETWEEN NAVD88 AND MLLW. THIS KTD MODEL, BEING A COMBINATION OF THOSE TWO SOURCES, CANOT BE CONSIDERED EQUIVALENT TO THE VDATUM MODEL DUE TO POSSIBLE ADDITIONS OR EDITS. DO NOT USE VDATUM IN PLACE OF THE THE KTD FILE. THE KTD MODEL USED FOR THIS SURVEY WAS:

   CAMDENGA-NASSAU-DUVAL-STJOHNS-FLAGLER_20191202.KTD
4. CONVERSIONS FROM THE GPS-DERIVED ELLIPSOID HEIGHTS TO NAVD88 WAS ACHIEVED VIA TEH NOAA GEOID MODEL "GEOID18".
5. TIDAL REDUCTIONS WERE OBTAINED UTILIZING A REAL-TIME KINEMATIC (RTK) GPS AND REFERENCED TO MLLW UTILIZING THE KTD FILE REFERENCED ABOVE, AND CALIBRATED TO THE PUBLISHED MLLW HEIGHTS OF THE BENCHMARK ASSOCIATED WITH THE NOAA TIDE GAGE SITES SPECIFIED BELOW:

AREA SURVEYED	TIDE STATION	VERTICAL CALIBRATION BM
IWW F-1 THRU F-2	872-0686	FORT-MATANZAS

6. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGN.
7. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE EAST ZONE OF FLORIDA AND REFERENCED TO NORTH AMERICAN DATUM OF 1983 (NAD83), ADJUSTMENT OF 2011.
8. ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
9. THIS SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC (RTK) GPS POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATION:

AREA SURVEYED	RTK BASE LOCATION
ENTIRE PROJECT	IWSJ-224 (USMART PID: CM7514)

10. VERTICAL MEASUREMENTS WERE MADE USING A PING DSP MULTI-BEAM SYSTEM AND A TELEDYNE E20 SINGLE-BEAM WITH A DUAL-FREQUENCY TRANSDUCER. ALL SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.

VESSEL	DATE OF SURVEY	CUT
SB-34	20 SEP 2025	CUTS F-1 AND F-2

11. AIDS TO NAVIGATION WERE LOCATED DURING THIS SURVEY.
12. 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.
13. 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, 30 NOV 2013 AND EM 1110-2-6056, STANDARDS AND PROCEDURES FOR REFERENCING PROJECT ELEVATION GRADES TO NATIONWIDE VERTICAL DATUMS, 31 DEC 2010.

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

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: GMB
Checked by: WRM
DWN by: WRM
Prj. No. V912EP-XXXXXXX
Date: SEP 2025

25-294-IANDEX_FL.DGN
IWW-C-NGMCF.DGN
25-294-C-BS-BRGR_FL.DGN
Reference files:
25-294-IVh001_FL.DGN
File name:

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
FLAGLER COUNTY

HYDROGRAPHIC EXAM SURVEY FY25
12-FOOT PROJECT

INDEX, LOCATION AND VICINITY

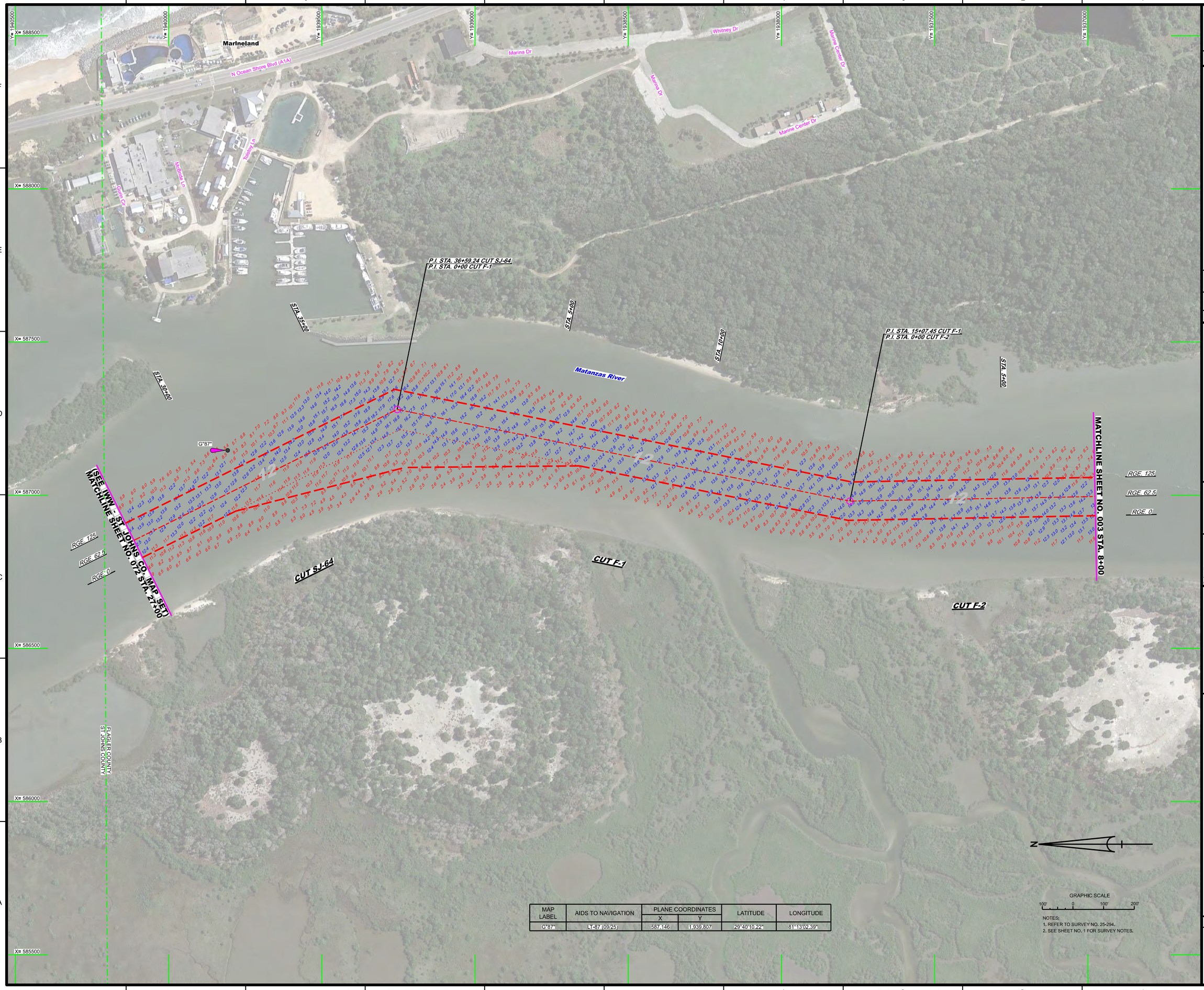
MAP

Scale: AS SHOWN

Drawing no.

1 / 3

SHEET 01 OF 32



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"87"	LT-87 (09/25)	587,146	1,939,807	29°40'10.22"	81°13'02.39"

NOTES:
1. REFER TO SURVEY NO. 25-294.
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: GMR
Inv. No. W912EP-XX-X-XXXX
Dated: SEP 2025

25-294-V-NAV.DGN
25-294-V-SOUN_ALLCUTS.DGN
IWW-C-NGMCCF.DGN
25-294-C-BS-BRDR_FL.DGN
Reference files:
25-294-VH-002_FL.DGN
File name:

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
FLAGLER COUNTY

HYDROGRAPHIC EXAM SURVEY FY25
12-FOOT PROJECT

STA. 27+00 CUT SJ-64 THRU STA. 8+00 CUT F-2

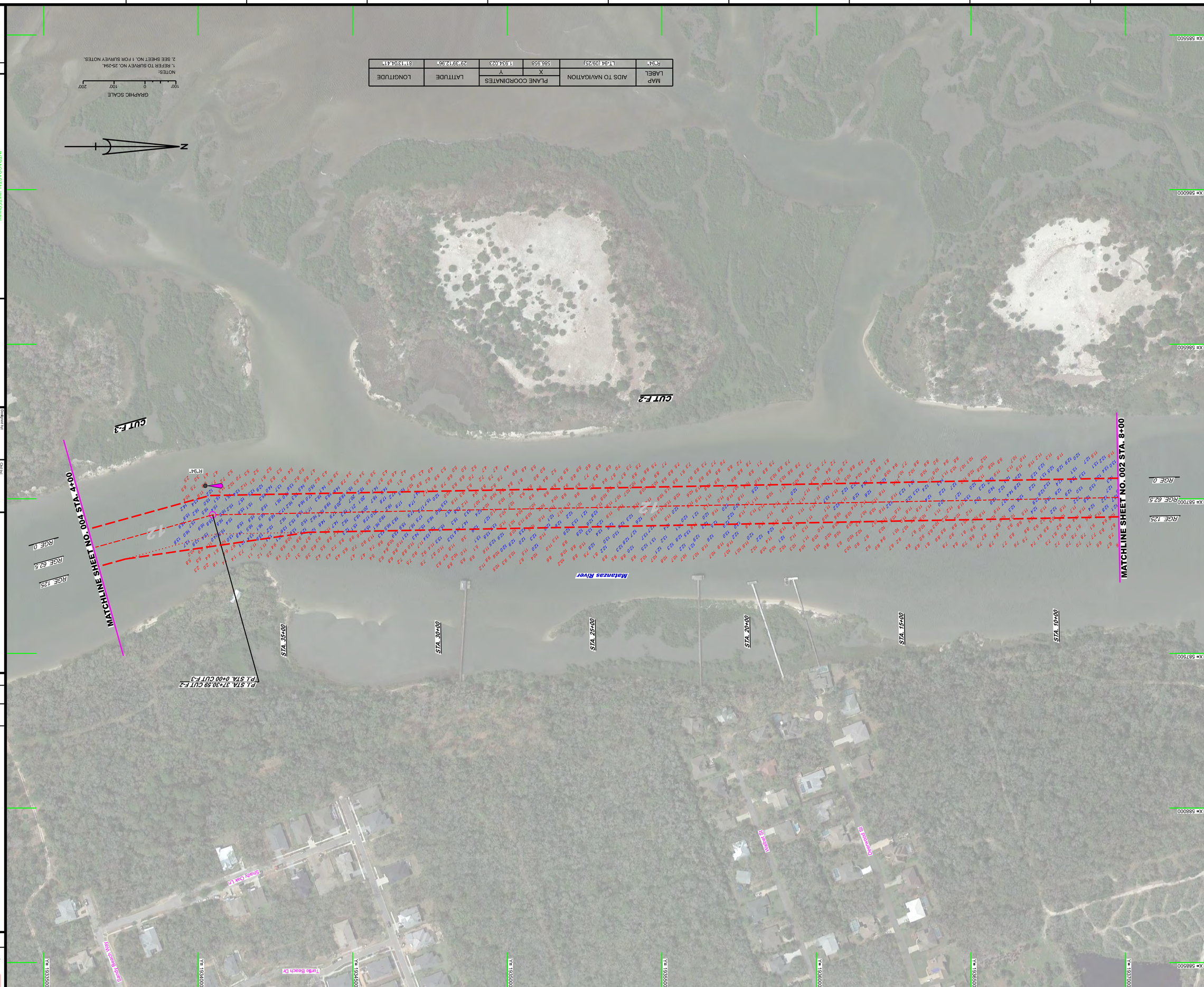
PLAN

Scale: AS SHOWN

Drawing no.

2 / 3

SHEET 02 OF 32



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES X	PLANE COORDINATES Y	LATITUDE	LONGITUDE
R"94"	LT-94 (09/25)	586,958	1,934,023	29°39'12.96"	81°13'04.41"

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 25-294.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
FLAGLER COUNTY

HYDROGRAPHIC EXAM SURVEY FY25
12-FOOT PROJECT

STA. 8+00 CUT F-2 THRU STA. 4+00 CUT F-3

PLAN

25-294-V-NAV.DGN
25-294-V-SOUN_ALL CUTS.DGN
IWW-C-NGMCCF.DGN
25-294-G-BS-BRDR_FL.DGN
Reference files:
25-294-VH-003_FL.DGN
File name:

Designed by: WRM
Drawn by: WRM
Ckd by: GMR
Inv. No. W912EP-XX-X-XXXX
Dated: SEP 2025

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

No. Symbol Zone

SAFETY ON THIS JOB DEPENDS ON YOU

US Army Corps of Engineers
Jacksonville District

Scale: AS SHOWN
Drawing no. 3 / 3
SHEET 03 OF 32