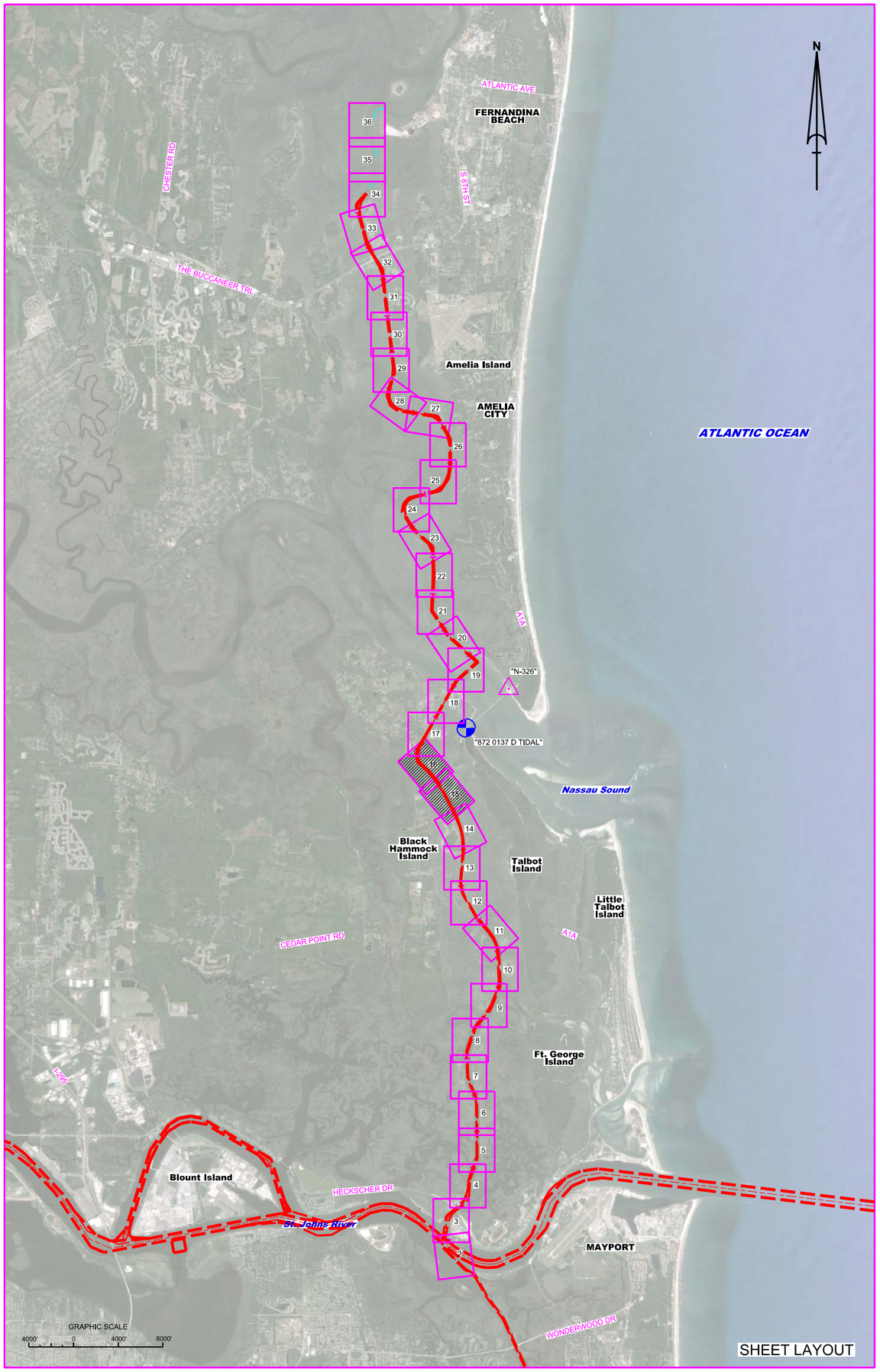
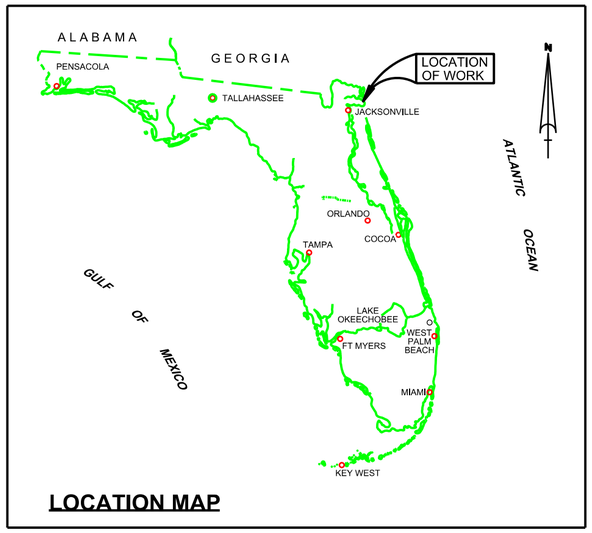




ATLANTIC INTRACOASTAL WATERWAY (AIWW)
FERNANDINA TO ST. JOHNS RIVER
DUVAL & NASSAU COUNTIES, FLORIDA
EXAMINATION SURVEY FY16
CUTS 24 THRU 26
12-FOOT PROJECT

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. 16-048.
2. DEPTHS DEPICTED BY THIS SURVEY ARE REFERENCED TO MLLW. TIDAL EPOCH 1983-2001 AS REPORTED BY THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) AND ARE IN FEET AND TENTHS. 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 872-0137 USED FOR ALL CUTS. (PID: DI0710)
3. TIDAL REDUCTIONS WERE OBTAINED UTILIZING A REAL-TIME KINEMATIC (RTK) GPS AND REFERENCED TO MLLW UTILIZING A HYPACK KINEMATIC TIDE DATUM (KTD) MODEL. KTD FILE NAME IS: "CAMDENGA-NASSAU-DUVAL-STJOHNS-FLAGLER_01FEB2011.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 STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
7. THIS SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC (RTK) GPS POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATION:

   REFERENCE BASE LOCATED AT "N-326" (PID: BC0197)

   TIDE STAFF LOCATED FROM "872 0137 TIDAL" (PID: DI0710)
8. VERTICAL MEASUREMENTS WERE MADE USING A ROSS SMARTSOUNDER MODEL 835 DUAL-FREQUENCY 28/200 KHZ SINGLE-BEAM SOUNDER. ALL SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.

VESSEL	DATE OF SURVEY	CUT
SB-46	17 FEB 2016	CUTS 24-26

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. THIS CHART IS SOLELY FOR THE DISTRIBUTION OF AVAILABLE DEPTHS AT THE TIME OF THE SURVEY.
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, 30 NOV 13.

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
Cad by: GMR
DWN by: WRM
Inv. No.: W912EP-XX-X-XXXX
Dateuc: FEB 2016

XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
JAXHBS_HYTERE_MAR2013_NAD83HARN.DGN
GWX-CAGMCCF.DGN
TG-04A-C-BS-BROR.DGN
Reference files:
TG-04B-VH-001.DGN
File name:

ATLANTIC INTRACOASTAL WATERWAY
FERNANDINA TO ST. JOHNS RIVER, FLORIDA
DUVAL COUNTY

EXAMINATION SURVEY FY16
12-FOOT PROJECT

INDEX, LOCATION AND VICINITY

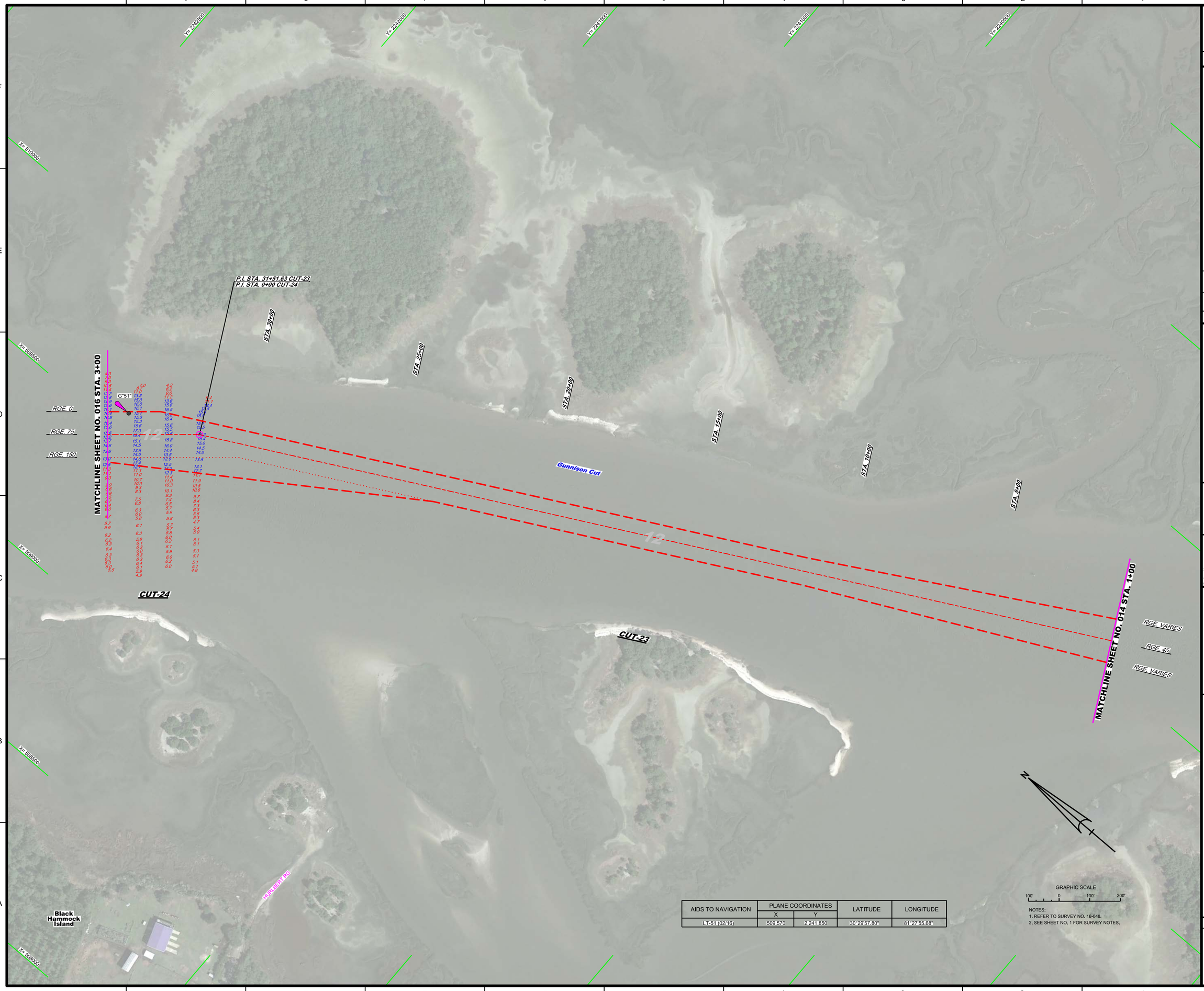
MAP

Scale: AS SHOWN

Drawing no.

1 / 3

SHEET 01 OF 36



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-51 (02/16)	509,570	2,241,850	30°29'57.80"	81°27'55.68"

NOTES:
1. REFER TO SURVEY NO. 16-048.
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
Proj. No. V912EP-XX-XX-XXXX
Date: FEB 2016

XXXXXXXX-X-XXXX.DGN
XXXXXXXX-X-XXXX.DGN
XXXXXXXX-X-XXXX.DGN
XXXXXXXX-X-XXXX.DGN
16-048-A-XXXX.DGN
16-048-A-SOUN_C24.DGN
IWW-C-CNGMCF.DGN
16-048-C-BR-BRDR.DGN
Reference files
16-048-XH-015.DGN
File name:

ATLANTIC INTRACOASTAL WATERWAY
FERNANDINA TO JACKSONVILLE, FLORIDA
DUVAL COUNTY

EXAMINATION SURVEY FY16
12-FOOT PROJECT

STA. 1+00 CUT-23 THRU STA. 3+00 CUT-24

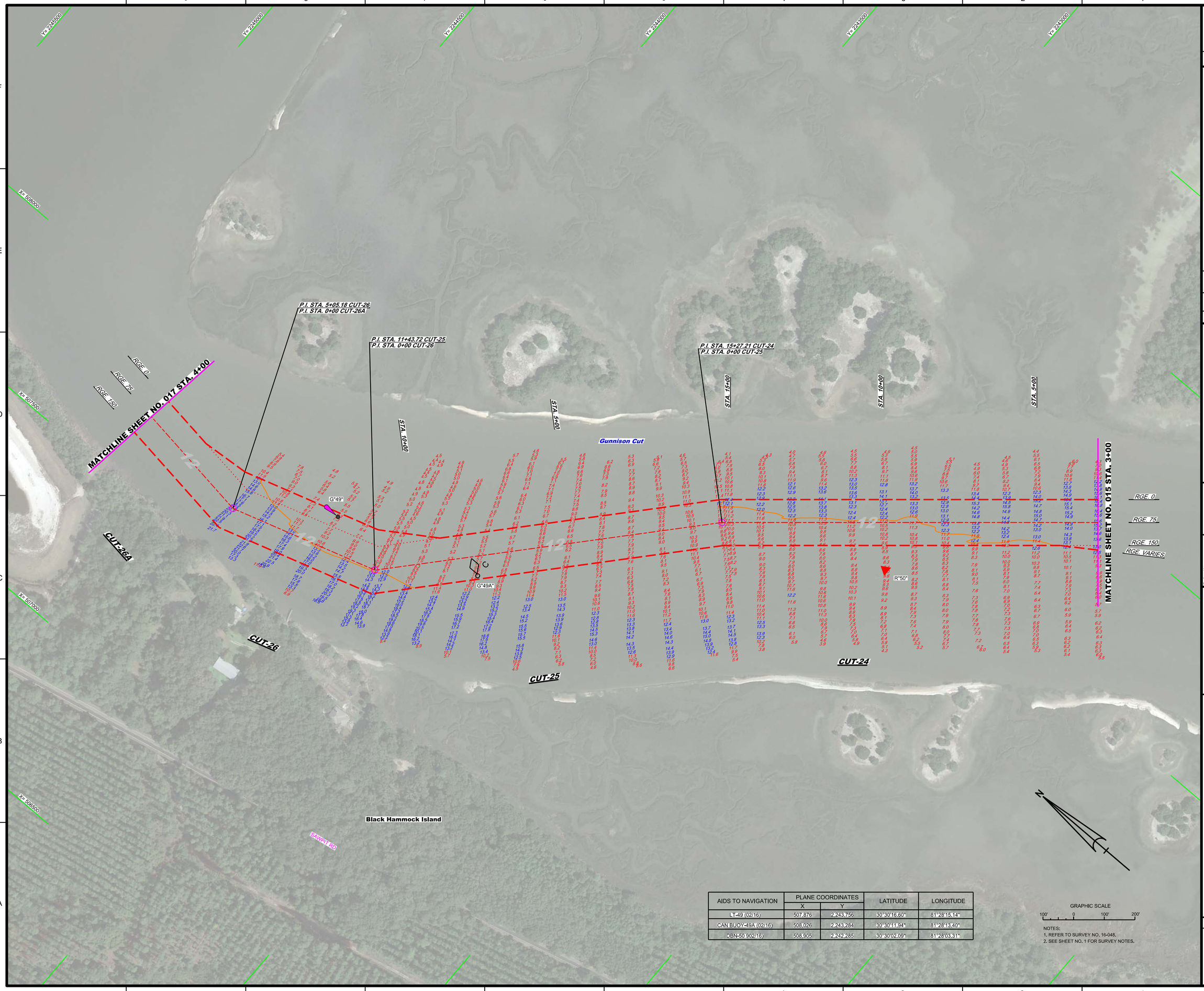
PLAN

Scale: AS SHOWN

Drawing no.

2 / 3

SHEET 15 OF 36



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-49 (02/16)	507,876	2,243,756	30°30'16.60"	81°28'15.14"
CAN BUOY-49A (02/16)	508,026	2,243,284	30°30'11.94"	81°28'13.40"
DBN-50 902/16)	508,905	2,242,285	30°30'02.09"	81°28'03.31"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 16-048.
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: VIRM
Drawn by: VIRM
Checked by: GMR
Rev. No.: V9912EP-XX-X-XXXX
Date: FEB 2016

XXXXXXXX-X-XXXX.DGN
P-048-X-COAL.DGN
16-048-X-SOUND.DGN
16-048-X-NAV.DGN
16-048-X-SOUND_C24.DGN
15-048-X-SOUN_C25.DGN
15-048-X-SOUN_C26.DGN
NWW-CNGMCCF.DGN
16-048-C-PS-BRDR.DGN
Reference files:
16-048-XVH016.DGN
File name:

ATLANTIC INTRACOASTAL WATERWAY
FERNANDINA TO JONES RIVER, FLORIDA
DUVAL COUNTY

EXAMINATION SURVEY FY16
12-FOOT PROJECT

STA. 3+00 CUT-24 THRU STA. 4+00 CUT-26A

PLAN

Scale: AS SHOWN

Drawing no.

3 / 3

SHEET 16 OF 36