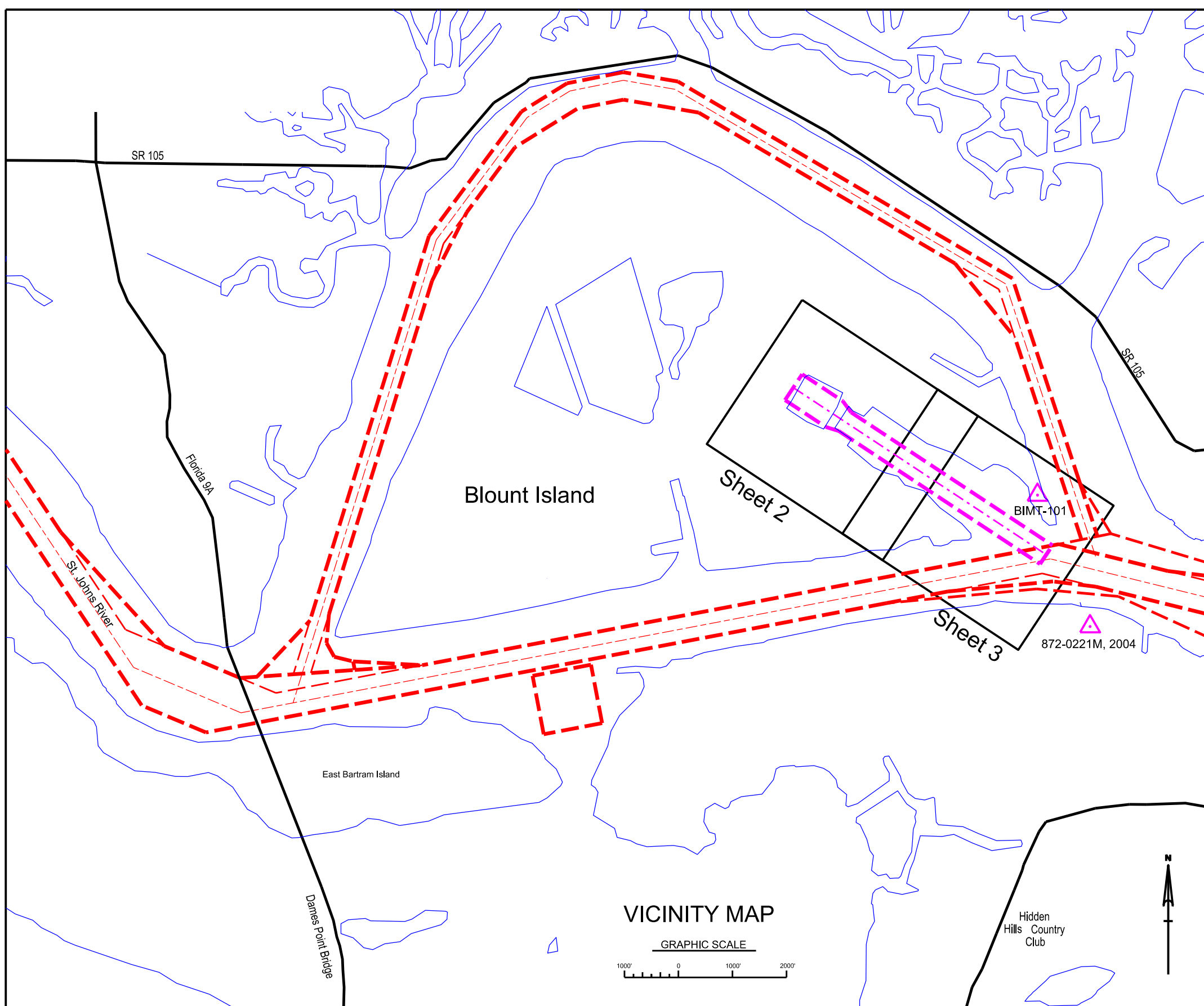
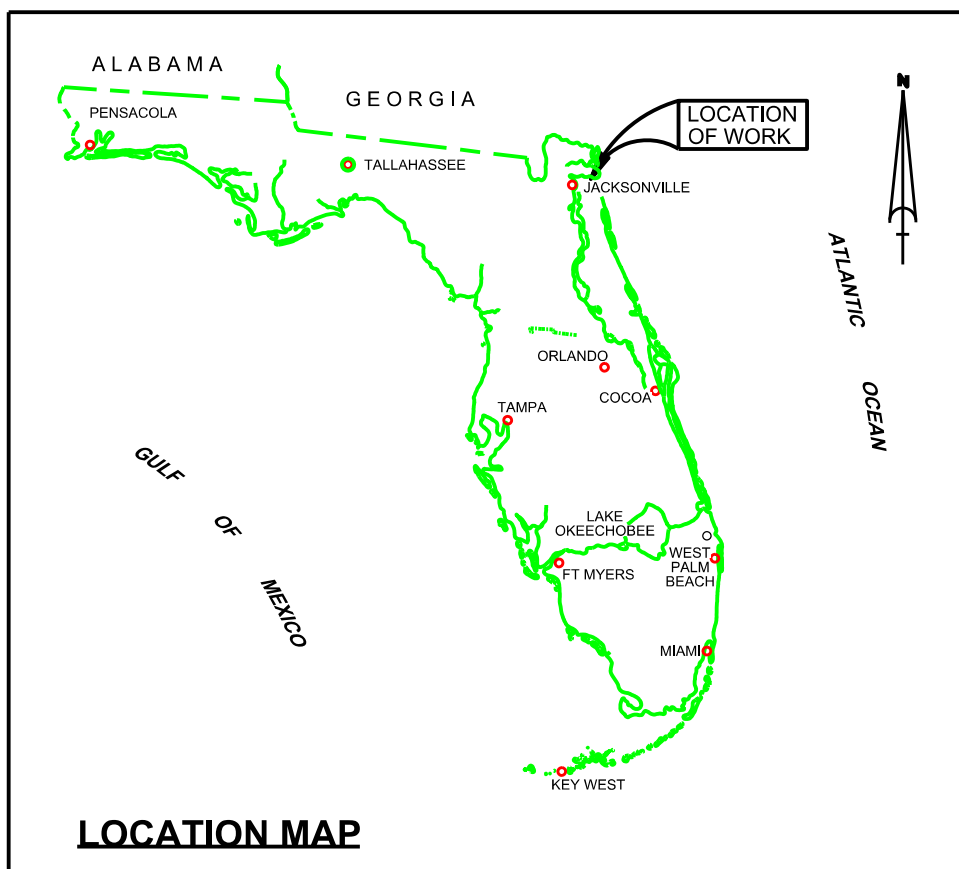


U.S. MARINE CORPS - BLOUNT ISLAND COMMAND

BLOUNT ISLAND MARINE TERMINAL

POST HURRICANE MATTHEW EXAMINATION SURVEY

FY17



SURVEY NOTES:

- REFER TO SURVEY NO. 17-027.
- 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 BENCHMARK ASSOCIATED WITH THE TIDE GAGE SITE SPECIFIED BELOW:

NOAA TIDAL STATION "872-0221", FULTON, ST. JOHNS RIVER FOR ALL CUTS
- TIDAL REDUCTIONS WERE OBTAINED USING REAL-TIME KINEMATIC (RTK) GPS AND UTILIZING A HYPACK KINEMATIC TIDAL DATUM (KTD) MODEL, TITLED CAMDENGA-NASSAU-DUVAL-STJOHNS-FLAGLER_01FEB2011.KTD.
- ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGN.
- PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE EAST ZONE OF FLORIDA AND REFERENCED TO THE NORTH AMERICAN DATUM OF 1983.
- ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
- THIS SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC GPS POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATION:

REFERENCE BASE LOCATED AT "BIMT-101" (OPUS PID: BBBX61)

TIDE STAFF SET FROM "BIMT-101" (OPUS PID: BBBX61)
- VERTICAL MEASUREMENTS WERE MADE USING AN R2 SONIC 2024 MULTIBEAM SYSTEM AND A ROSS SMART SOUNDER DUAL FREQUENCY 28/200KHZ SINGLE-BEAM SOUNDER. DEPTHS OUTSIDE THE SECURITY GATE ARE SHOWN IN HIGH FREQUENCY (240 KHZ). DEPTHS INSIDE SECURITY GATE ARE SHOWN IN LOW FREQUENCY (28KHZ).
- THE INFORMATION DEPICTED ON THESE MAPS REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME. THIS CHART IS NOT TO BE USED FOR NAVIGATION.
- SURVEY ACCURACY 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.

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



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

Checked by: []
Designed by: []
Drawn by: []
FHW
File No: []
Date: NOV 2016
Reference files: []
File name: []

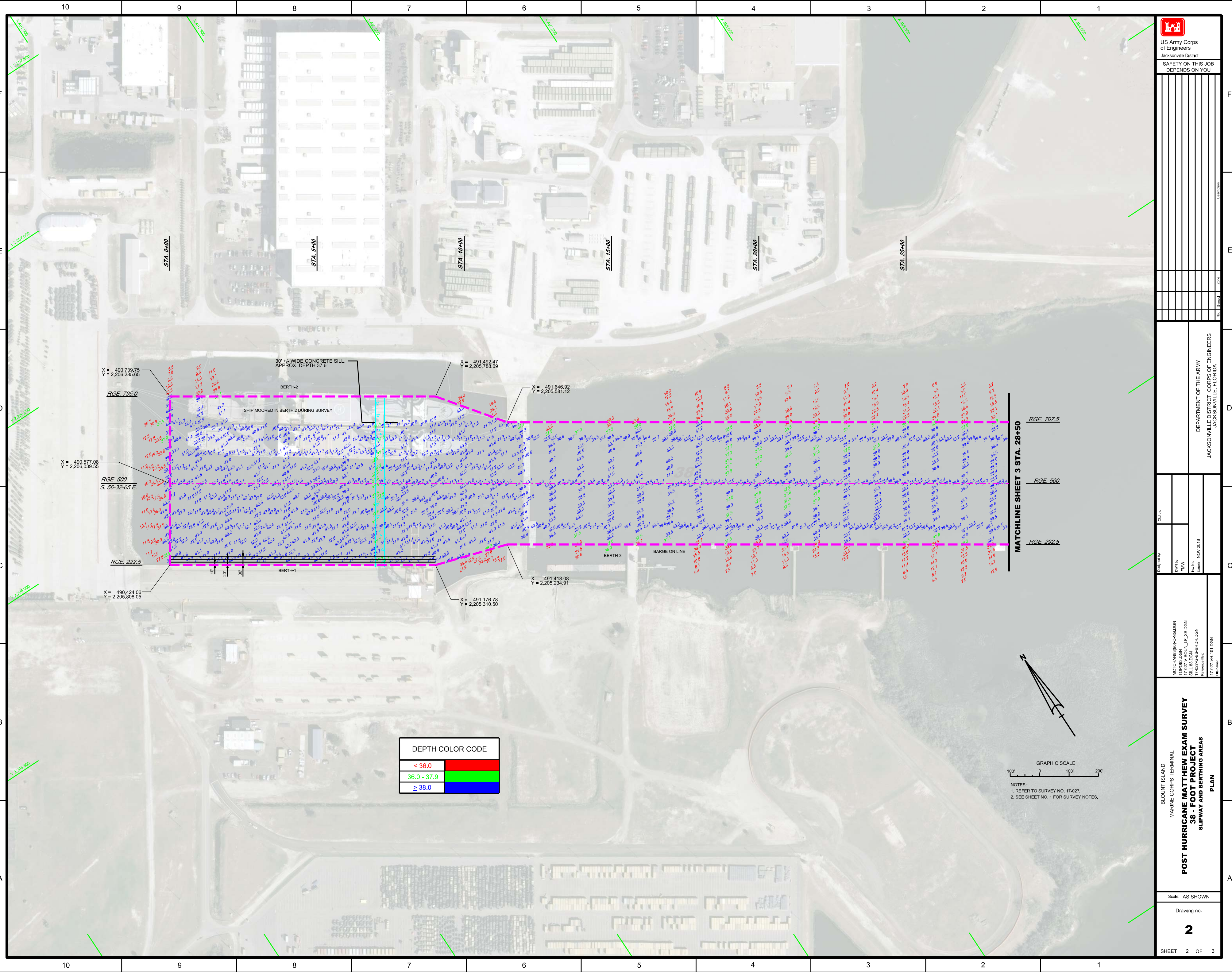
BLOUNT ISLAND
MARINE CORPS TERMINAL
POST HURRICANE MATTHEW EXAM SURVEY
38-FOOT PROJECT
SLIPWAY AND BERTHING AREAS
LOCATION AND VICINITY MAP

Scale: AS SHOWN

Drawing no.

1

SHEET 1 OF 3



30' +/- WIDE CONCRETE SILL.
APPROX. DEPTH 37.6'

BERTH-2

SHIP MOORED IN BERTH 2 DURING SURVEY

BERTH-1

BERTH-3

BARGE ON LINE

X = 490,739.75
Y = 2,206,265.65

X = 491,492.47
Y = 2,205,788.09

X = 491,646.92
Y = 2,205,581.12

X = 490,577.08
Y = 2,206,039.55

X = 490,424.08
Y = 2,205,808.05

X = 491,176.78
Y = 2,205,310.50

X = 491,418.08
Y = 2,205,234.91

RGE 707.5

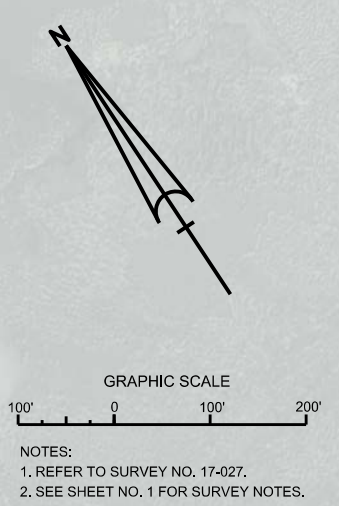
RGE 500

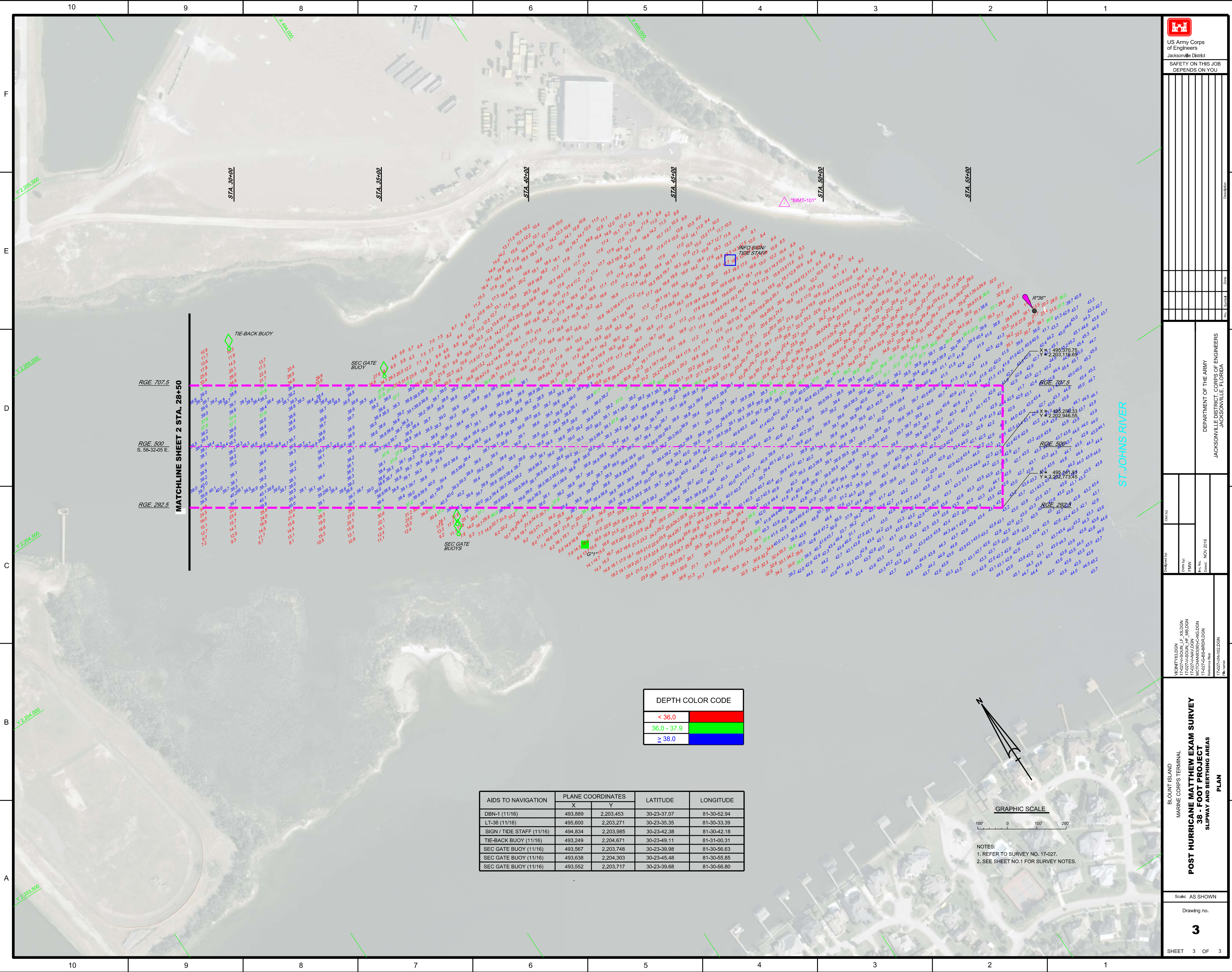
RGE 292.5

RGE 222.5

S. 56-32-05 E

DEPTH COLOR CODE	
< 36.0	Red
36.0 - 37.9	Green
≥ 38.0	Blue





DEPTH COLOR CODE

< 36.0	Red
36.0 - 37.9	Green
≥ 38.0	Blue

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-1 (11/16)	493,889	2,203,453	30-23-37.07	81-30-52.94
LT-36 (11/16)	495,600	2,203,271	30-23-35.35	81-30-33.39
SIGN / TIDE STAFF (11/16)	494,834	2,203,985	30-23-42.38	81-30-42.18
TIE-BACK BUOY (11/16)	493,249	2,204,671	30-23-49.11	81-31-00.31
SEC GATE BUOY (11/16)	493,567	2,203,748	30-23-39.98	81-30-56.63
SEC GATE BUOY (11/16)	493,638	2,204,303	30-23-45.48	81-30-55.85
SEC GATE BUOY (11/16)	493,552	2,203,717	30-23-39.68	81-30-56.80



NOTES:
1. REFER TO SURVEY NO. 17-027.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

<p>MCINTYRE/JLDGN 17-027-A-SOON/LF-XS/DGN 17-027-A-SOON/LF-JLDGN 17-027-A-SOON/LF-C/DGN MCTCHAMBERS/C-KLDGN 17-027-A-HS-BIRDLDGN</p>	<p>DEPARTMENT OF THE ARMY JACKSONVILLE DISTRICT, CORPS OF ENGINEERS JACKSONVILLE, FLORIDA</p>
<p>Scale: AS SHOWN</p>	<p>Drawing no. 3</p>
<p>BLOUNT ISLAND MARINE CORPS TERMINAL POST HURRICANE MATTHEW EXAM SURVEY 38 - FOOT PROJECT SLIPWAY AND BERTHING AREAS PLAN</p>	<p>SHEET 3 OF 3</p>