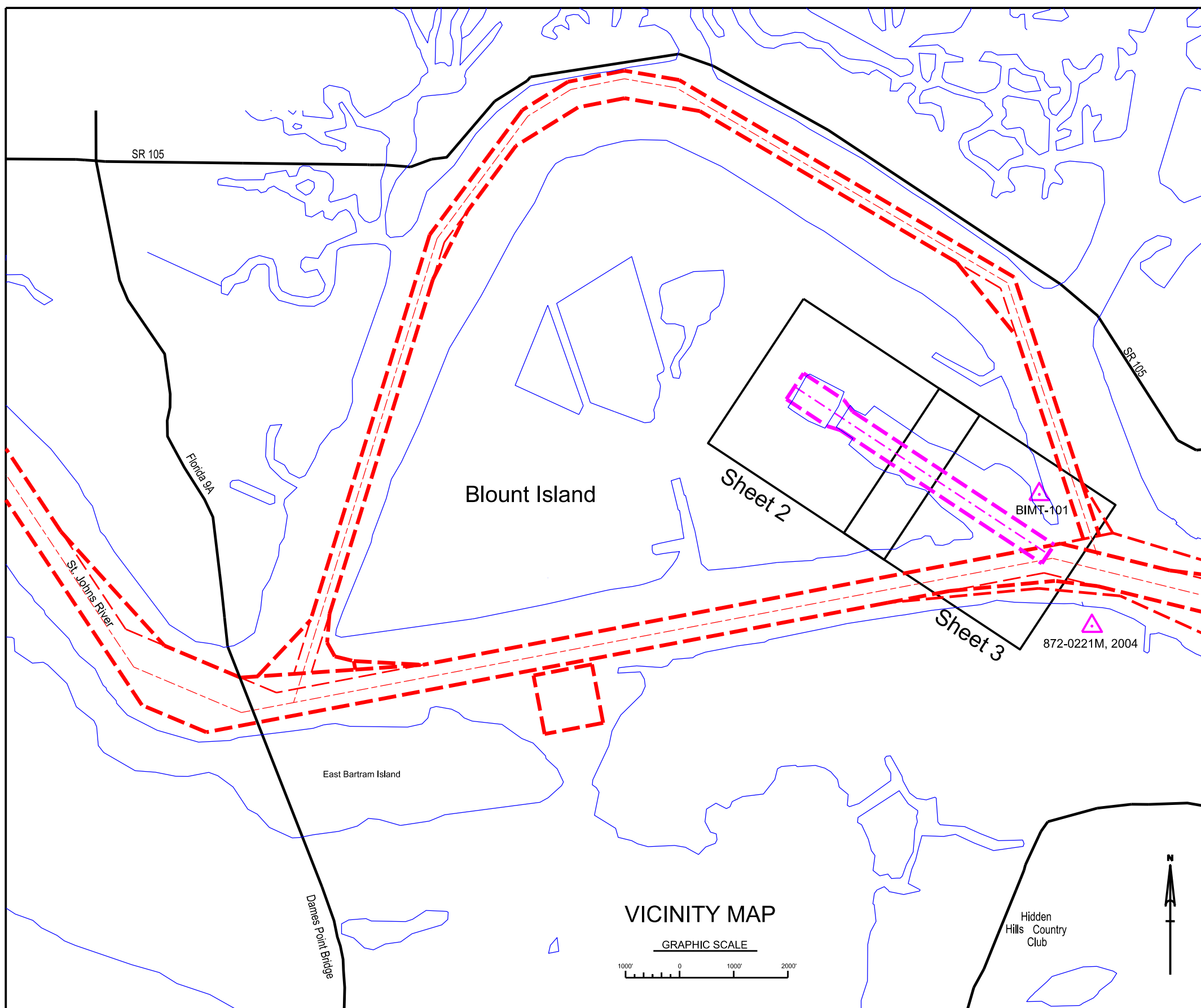
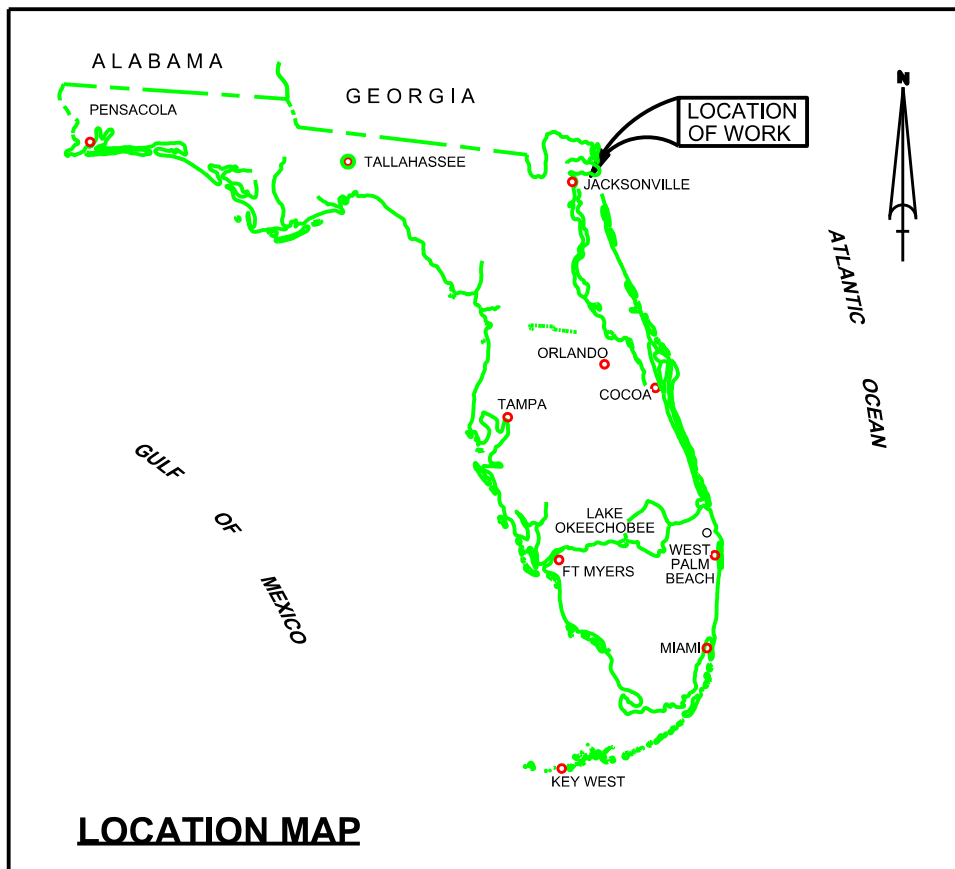


U.S. MARINE CORPS - BLOUNT ISLAND COMMAND

BLOUNT ISLAND MARINE TERMINAL

3RD QUARTER HYDROGRAPHIC EXAMINATION SURVEY

FY16



SURVEY NOTES:

1. REFER TO SURVEY NO. 16-154.
2. 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
3. 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.
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 THE NORTH AMERICAN DATUM OF 1983.
6. ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
7. 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)
8. 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).
9. 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.
10. 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

DESIGNED BY: MCTCHAM8190/CAGLDGN NEWJACH818LDGN NEWFLMAPDGN 16-154-RT-100LDGN Reference files: 16-154-RT-100LDGN 16-154-RT-100LDGN	DRAWN BY: FMW	FILE NO.: 16-154-RT-100LDGN	DATE: JUN 2016	DEPARTMENT OF THE ARMY JACKSONVILLE DISTRICT, CORPS OF ENGINEERS JACKSONVILLE, FLORIDA
3RD QUARTER EXAM SURVEY FY16 BLOUNT ISLAND MARINE CORPS TERMINAL 38- FOOT PROJECT SLIPWAY AND BERTHING AREAS LOCATION AND VICINITY MAP				
Scale: AS SHOWN Drawing no. 1				
SHEET 1 OF 3				



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

PROJECT TITLE
PROJECT NO.
DATE
DRAWN BY
CHECKED BY

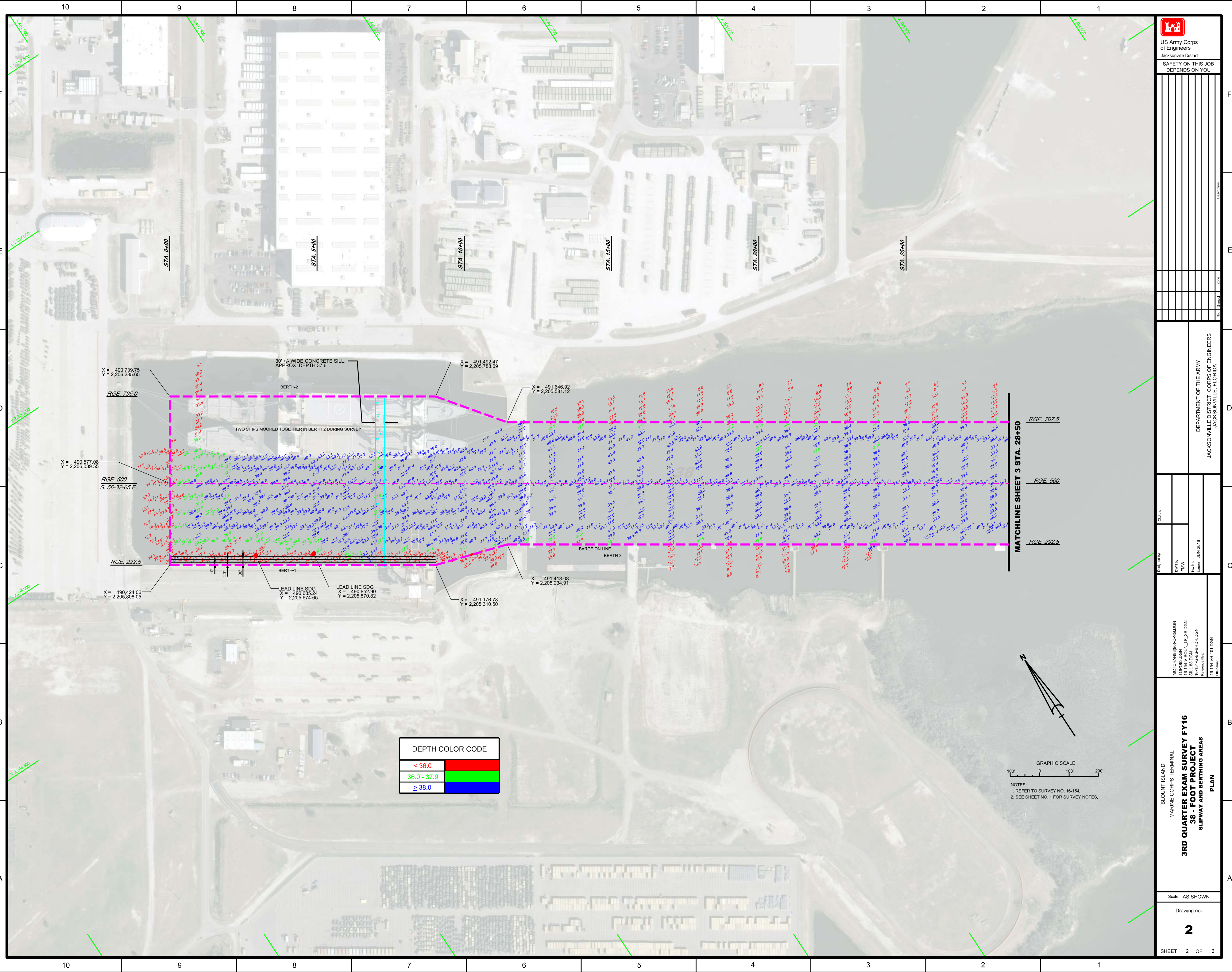
BLOUNT ISLAND
MARINE CORPS TERMINAL
3RD QUARTER EXAM SURVEY FY16
38.1 FOOT PROJECT
SLIPWAY AND BERTHING AREAS
PLAN

Scale: AS SHOWN

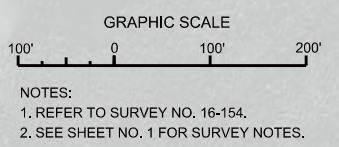
Drawing no.

2

SHEET 2 OF 3



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



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

BERTH-2

TWO SHIPS MOORED TOGETHER IN BERTH 2 DURING SURVEY

BERTH-1

LEAD LINE SDG
X = 490,685.24
Y = 2,205,674.65

LEAD LINE SDG
X = 490,852.90
Y = 2,205,570.82

BARGE ON LINE
BERTH-3

RGE. 707.5

RGE. 500

RGE. 292.5

STA. 0+00

STA. 5+00

STA. 10+00

STA. 15+00

STA. 20+00

STA. 25+00

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

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

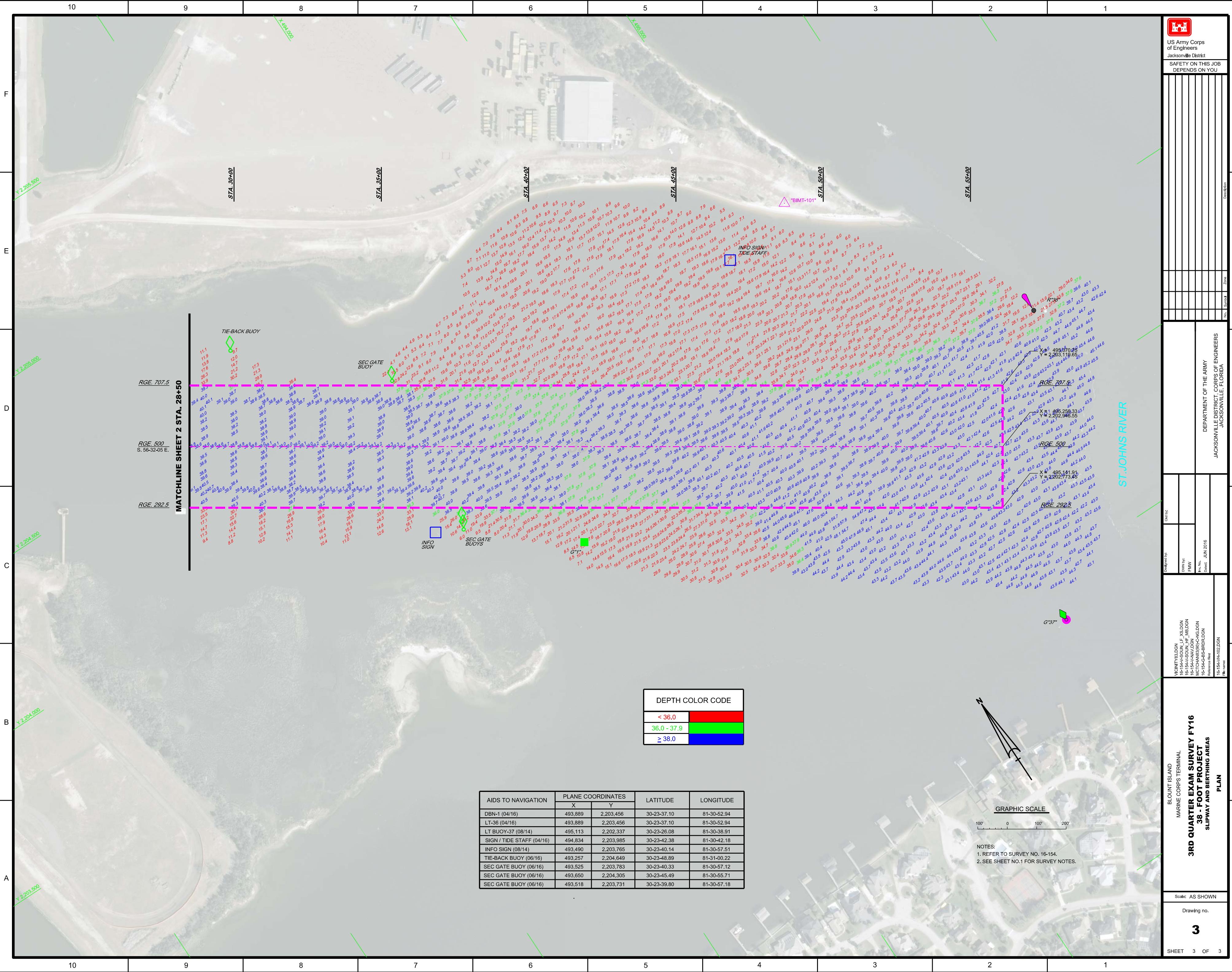
X = 490,577.08
Y = 2,206,039.55

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

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

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

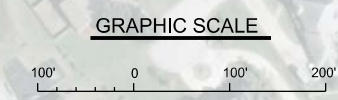
S. 56-32-05 E.



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 (04/16)	493,889	2,203,456	30-23-37.10	81-30-52.94
LT-36 (04/16)	493,889	2,203,456	30-23-37.10	81-30-52.94
LT BUOY-37 (08/14)	495,113	2,202,337	30-23-26.08	81-30-38.91
SIGN / TIDE STAFF (04/16)	494,834	2,203,985	30-23-42.38	81-30-42.18
INFO SIGN (08/14)	493,490	2,203,765	30-23-40.14	81-30-57.51
TIE-BACK BUOY (06/16)	493,257	2,204,649	30-23-48.89	81-31-00.22
SEC GATE BUOY (06/16)	493,525	2,203,783	30-23-40.33	81-30-57.12
SEC GATE BUOY (06/16)	493,650	2,204,305	30-23-45.49	81-30-55.71
SEC GATE BUOY (06/16)	493,518	2,203,731	30-23-39.80	81-30-57.18



NOTES:
1. REFER TO SURVEY NO. 16-154.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

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

BLOUNT ISLAND
MARINE CORPS TERMINAL
3RD QUARTER EXAM SURVEY FY16
38.1 FOOT PROJECT
SLIPWAY AND BERTHING AREAS
PLAN