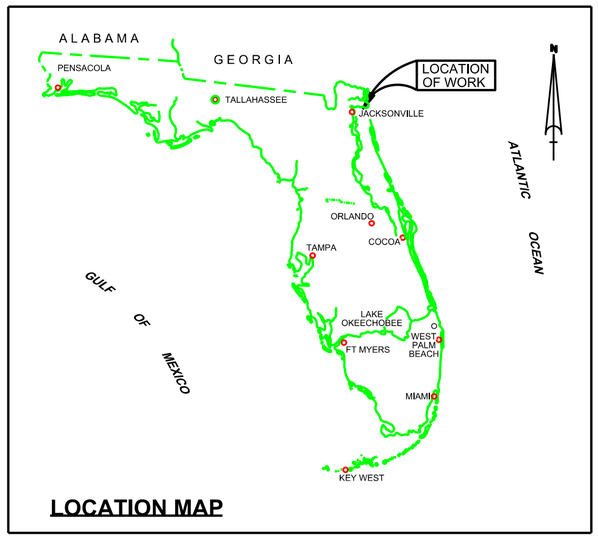
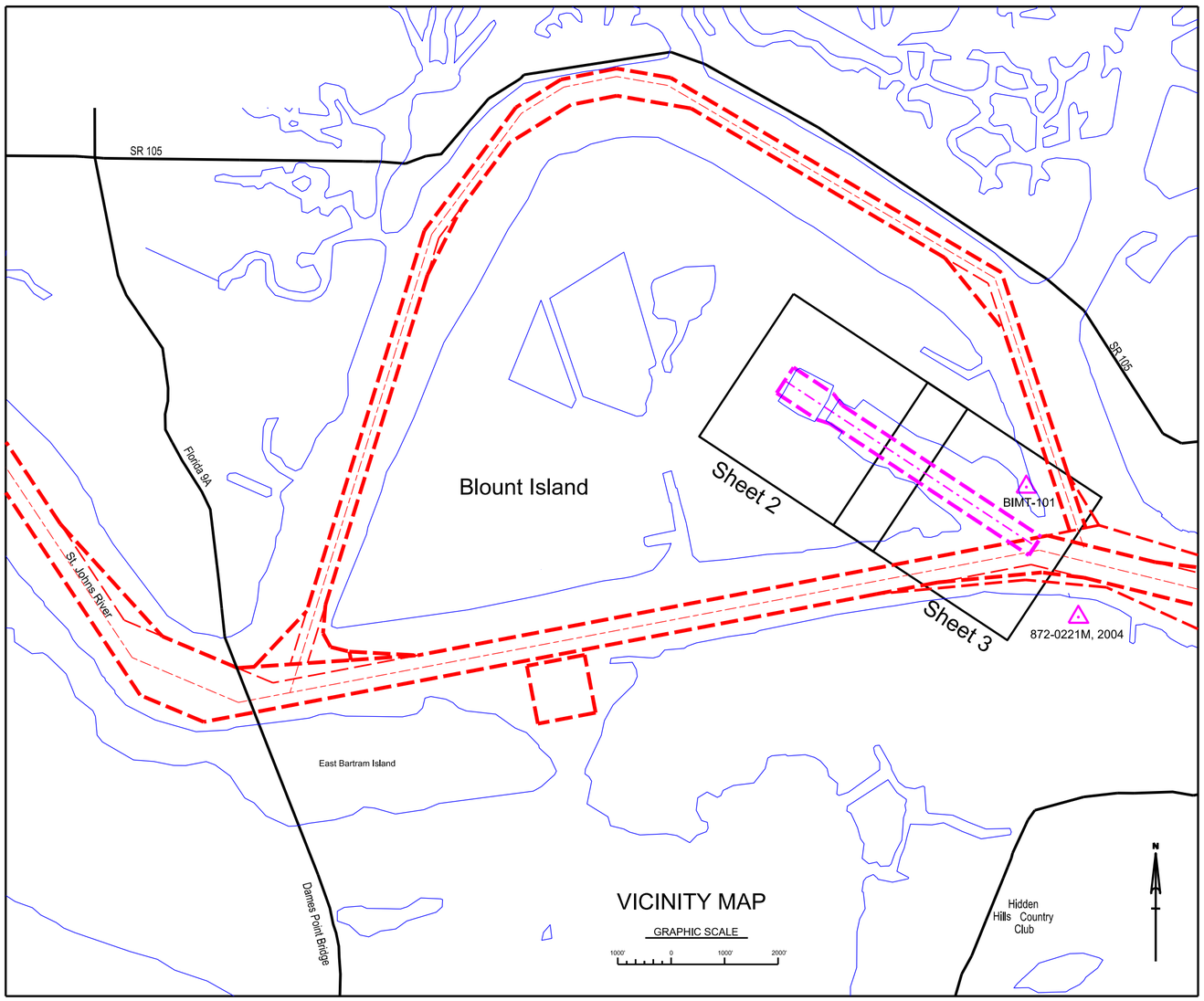
U.S. MARINE CORPS - BLOUNT ISLAND COMMAND
BLOUNT ISLAND MARINE TERMINAL
1ST QUARTER HYDROGRAPHIC EXAMINATION SURVEY
FY16



LOCATION MAP



SURVEY NOTES:

1. REFER TO SURVEY NO. 16-013.
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).

VESSEL	DATE OF SURVEY	AREA
SB-46	13-14 JAN 2016	STA 0+00 TO STA 57+00

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
8	PROJECT DEPTH

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	By/mod	Zone	Description

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

Dwg layer:
Dwg layout by:
DWN by: FMW
Rev. No.
Dated: JAN 2016

MDT:CHANS/90FJC-4IS.DGN
MDT:CHANS1.DGN
JAXBASE.DGN
NEWFLMAP.DGN
16-013-GBS-BRDR.DGN
Historical files:

16-013-VH-100.DGN
File name:

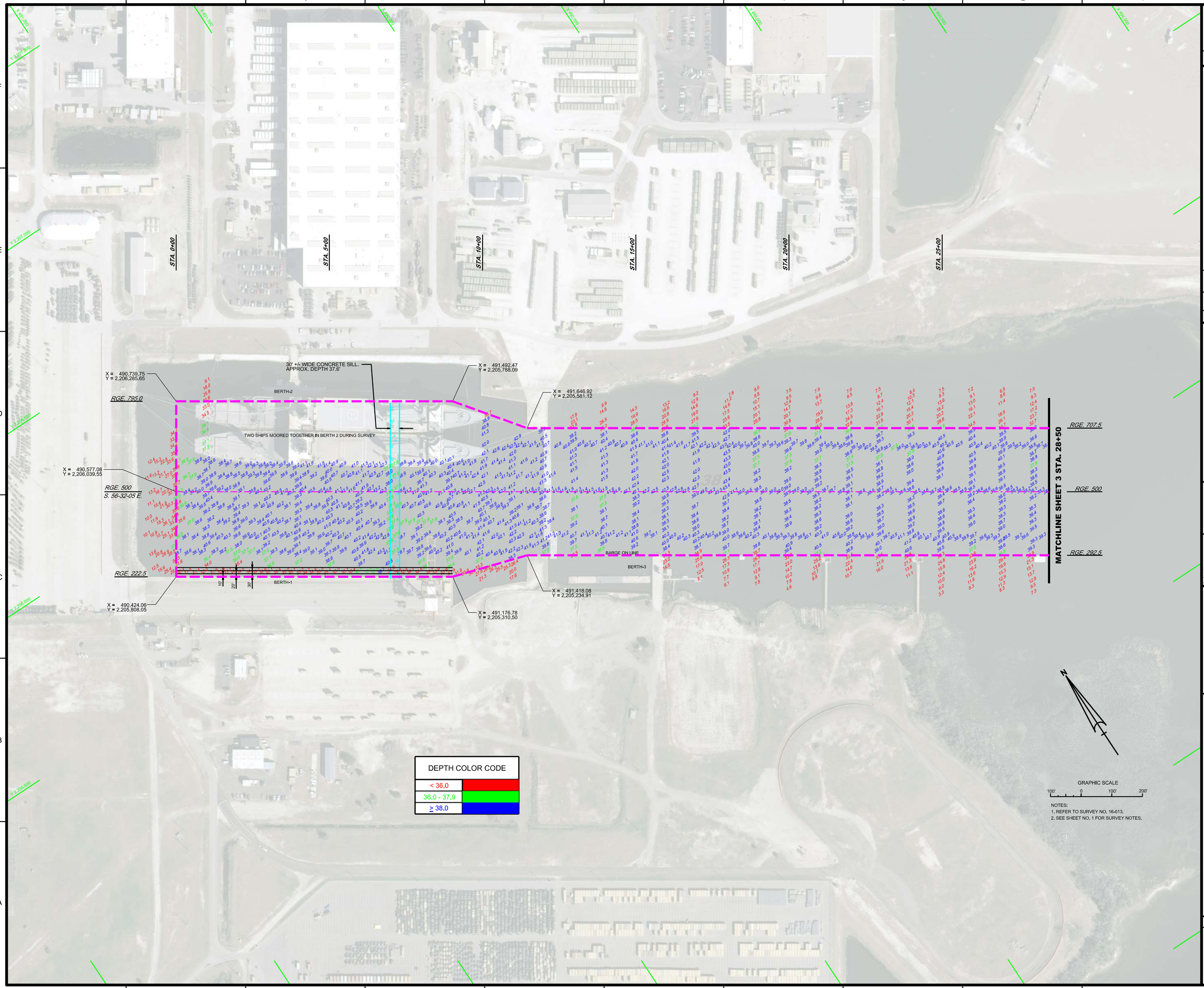
BLOUNT ISLAND
MARINE CORPS TERMINAL

1ST QUARTER EXAM SURVEY FY16
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

No.	By/Init	Zone	Description

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

Chk'd by:

Drafting by:
DWN by: FMW
Rev. Nos.
Dated: JAN 2016

MCTCHAN09(90)-C-NG.DGN
TOPO.DGN
16-013-VSOUN_LF_XS.DGN
SILL 83.DGN
16-013-CB-BRIDR.DGN
Reference files

16-013-VH-101.DGN
File name

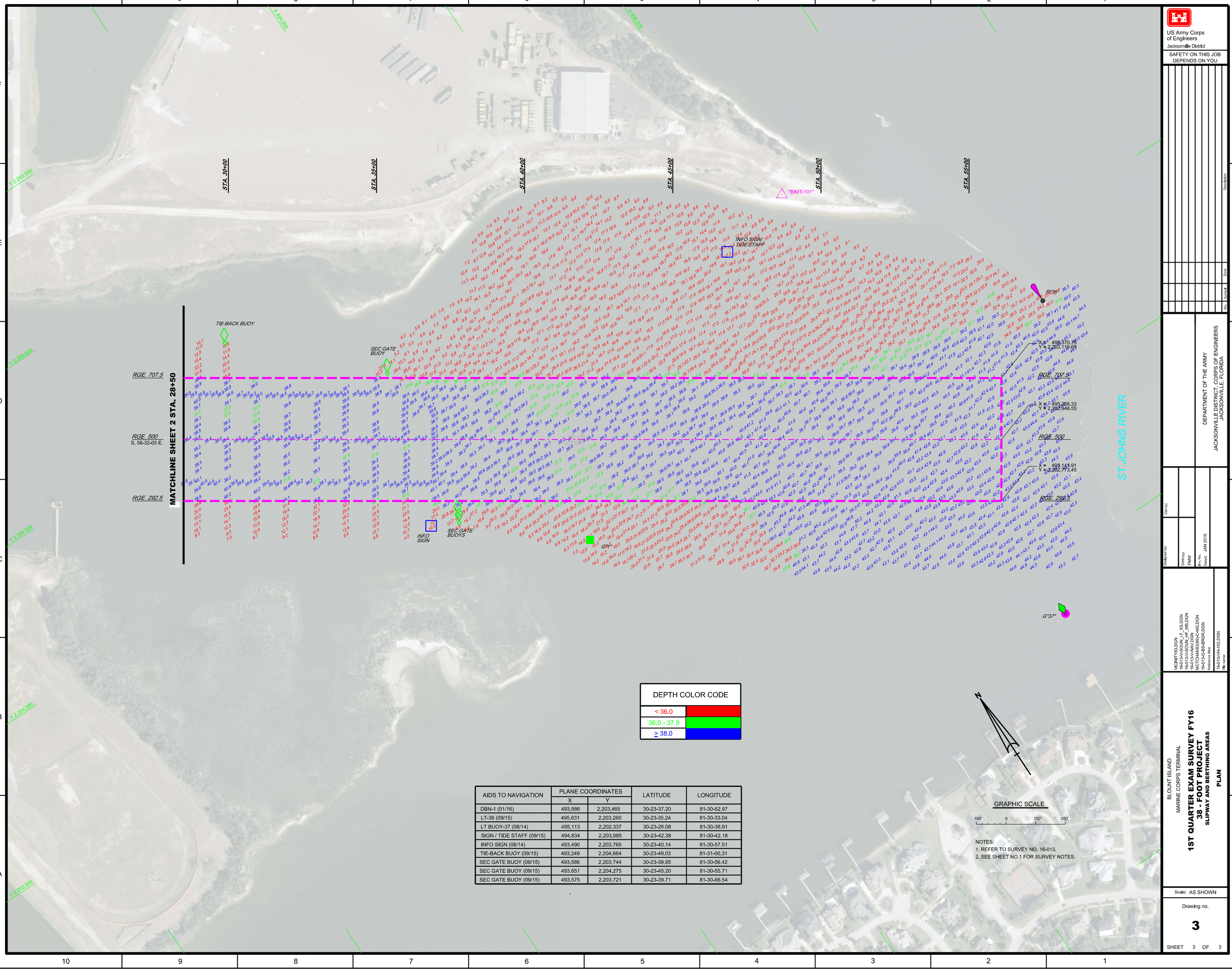
BLOUNT ISLAND
MARINE CORPS TERMINAL

1ST QUARTER EXAM SURVEY FY16
38 - FOOT PROJECT
SLIPWAY AND BERTHING AREAS
PLAN

Scale: AS SHOWN

Drawing no.
2

SHEET 2 OF 3



DEPTH COLOR CODE	
< 36.0	
36.0 - 37.9	
≥ 38.0	

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-1 (01/16)	493,886	2,203,465	30-23-37.20	81-30-52.97
LT-36 (09/15)	495,631	2,203,260	30-23-35.24	81-30-33.04
LT BUOY-37 (08/14)	495,113	2,202,337	30-23-26.08	81-30-38.91
SIGN / TIDE STAFF (09/15)	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 (09/15)	493,249	2,204,664	30-23-49.03	81-31-00.31
SEC GATE BUOY (09/15)	493,586	2,203,744	30-23-39.95	81-30-56.42
SEC GATE BUOY (09/15)	493,651	2,204,275	30-23-45.20	81-30-55.71
SEC GATE BUOY (09/15)	493,575	2,203,721	30-23-39.71	81-30-56.54

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 16-013.
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	Description

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

Cad by:
Checked by:
DWN by: FMW
Rev. No.
Date: JAN 2016

VICINITY83.DGN
16-013-VH-SOUN_LF_XS.DGN
16-013-VH-SOUN_LF_MID.DGN
16-013-CNAV.DGN
MCTCHAN83(90)-CNG.DGN
16-013-CBS-BRDR.DGN
Reference files:

16-013-VH-102.DGN
File name:

BLOUNT ISLAND
MARINE CORPS TERMINAL

1ST QUARTER EXAM SURVEY FY16
38 - FOOT PROJECT
SLIPWAY AND BERTHING AREAS
PLAN

Scale: AS SHOWN

Drawing no.

3

SHEET 3 OF 3