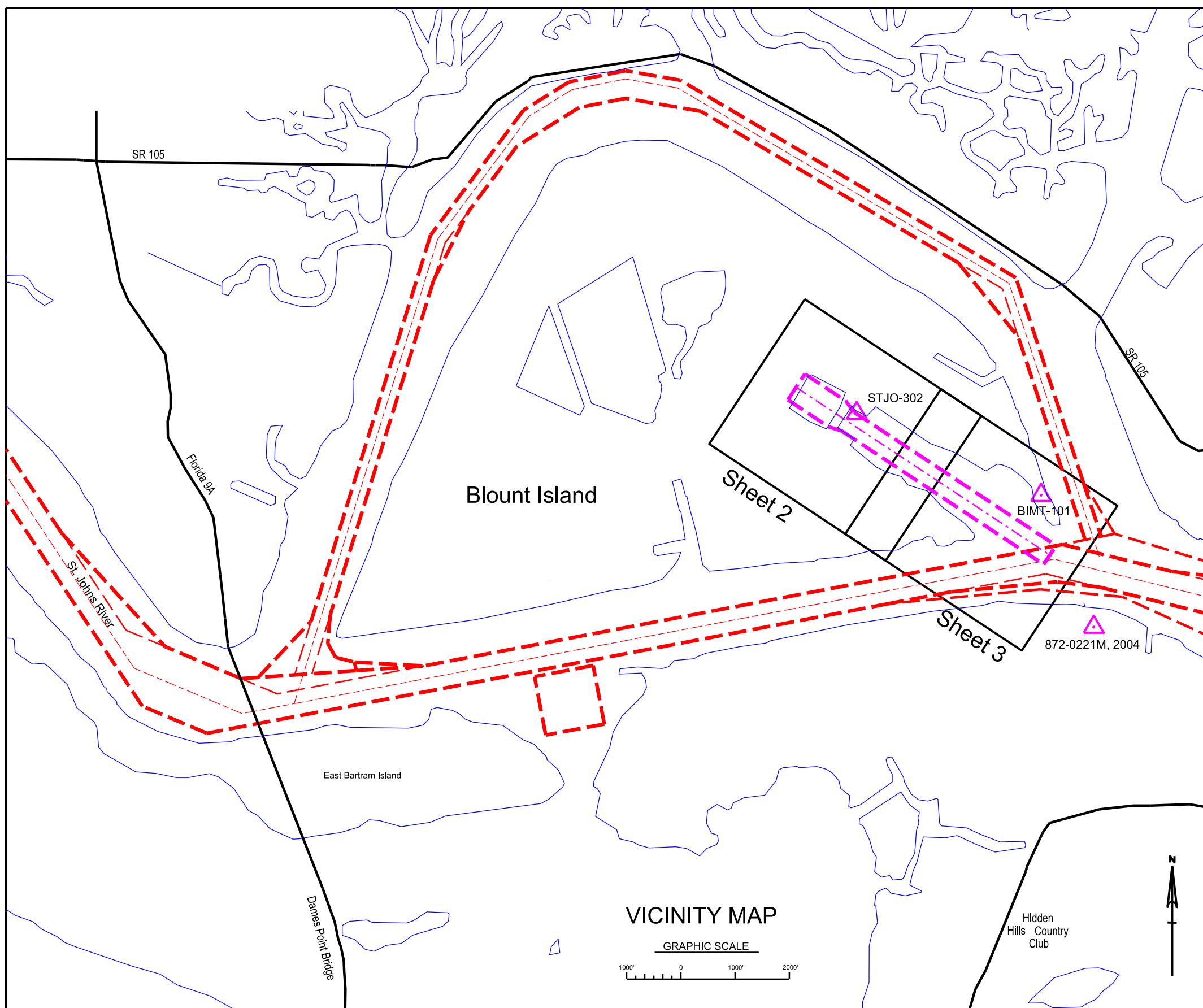
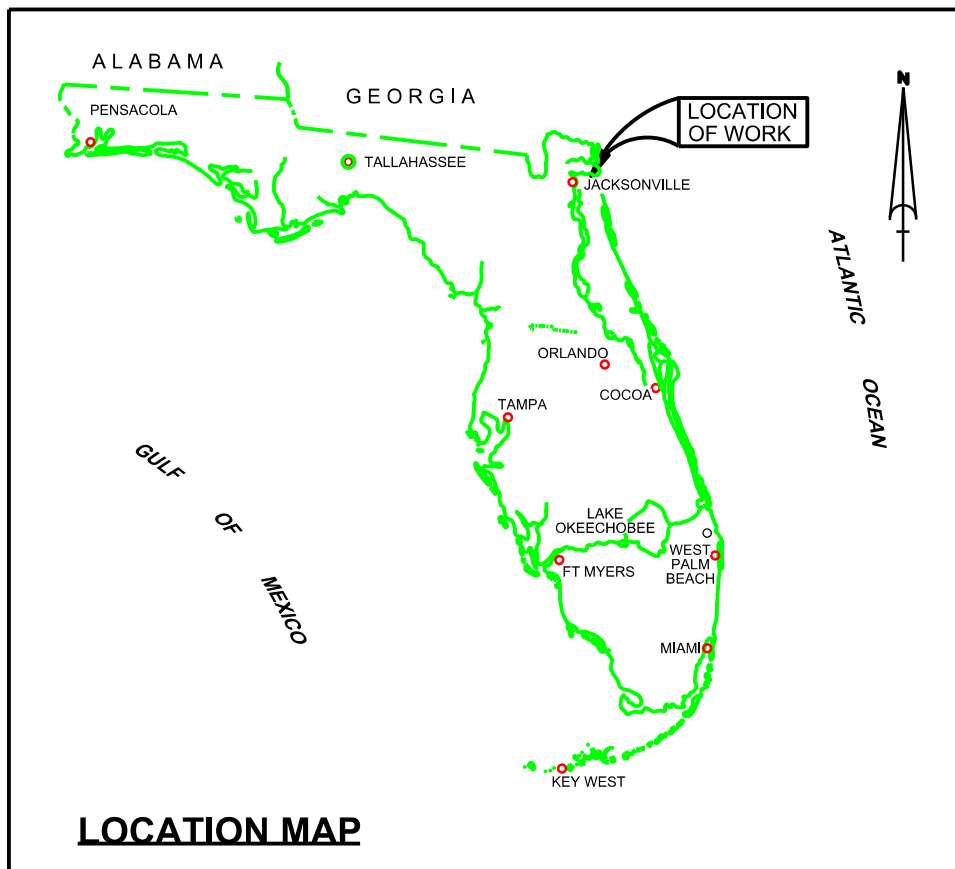


U.S. MARINE CORPS - BLOUNT ISLAND COMMAND

BLOUNT ISLAND MARINE TERMINAL

4th QUARTER HYDROGRAPHIC EXAMINATION SURVEY

SEP 2019



SURVEY NOTES:

- REFER TO SURVEY NO. 19-250.
 - 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 GAUGE 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 "USACE BIMT ARP" (OPUS PID: BBGM25)

TIDE STAFF SET FROM "BIMT-101" (OPUS PID: BBBX61)
 - VERTICAL MEASUREMENTS WERE MADE USING A R2SONIC 2024 MULTI-BEAM SYSTEM OPERATING AT 230 KHZ AND A ROSS MODEL 833C SMARTSOUNDER WITH A DUAL-FREQUENCY (28/200KHZ) SINGLE-BEAM TRANSDUCER. DEPTHS OUTSIDE THE SECURITY GATE ARE SHOWN IN HIGH FREQUENCY. DEPTHS INSIDE SECURITY GATE ARE SHOWN IN LOW FREQUENCY.
- | VESSEL | DATE OF SURVEY | AREA |
|--------|----------------|-----------------------|
| SB-36 | 18 SEP 2019 | STA 0+00 TO STA 57+00 |
- NAVAIDS WERE LOCATED DURING THIS SURVEY. NAVAIDS COLLECTED DURING SURVEY 19-196 WERE ALSO USED.
 - 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

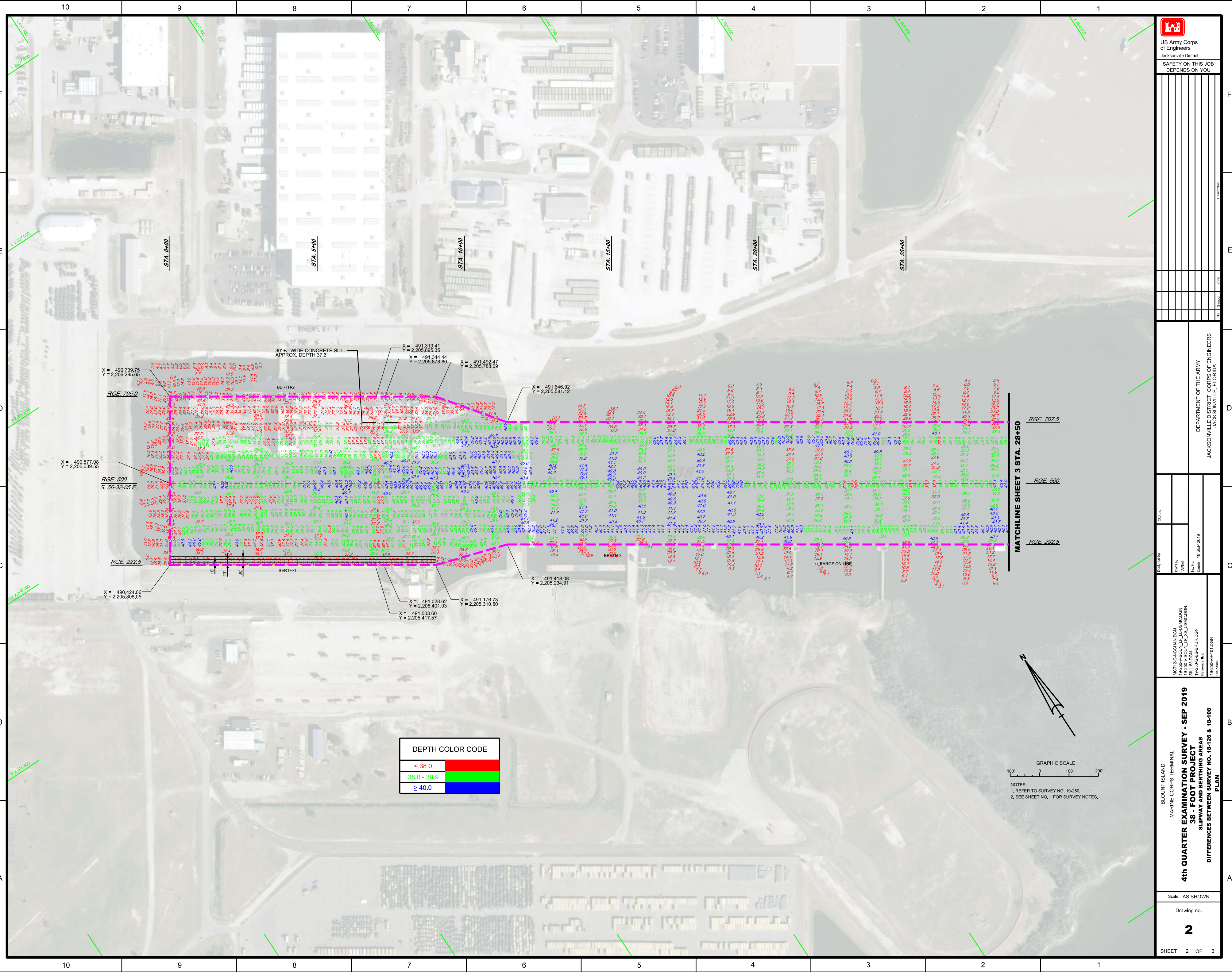
DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Blount Island
MARINE CORPS TERMINAL
4th QUARTER EXAMINATION SURVEY - SEP 2019
38 - FOOT PROJECT
SLIPWAY AND BERTHING AREAS
LOCATION AND VICINITY MAP

Scale: AS SHOWN

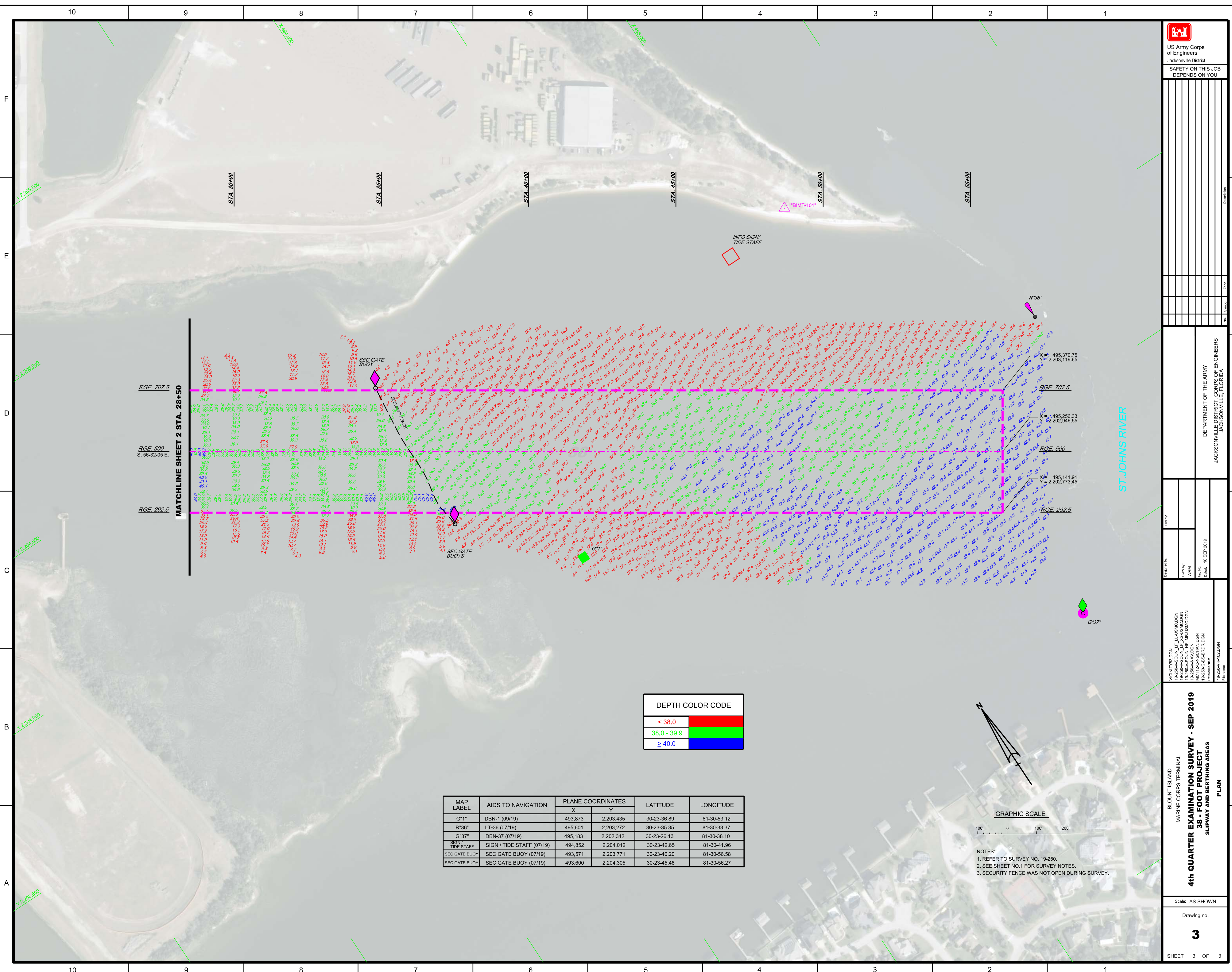
Drawing no.
1

SHEET 1 OF 3



DEPTH COLOR CODE	
< 38.0	Red
38.0 - 39.9	Green
≥ 40.0	Blue

GRAPHIC SCALE
100' 0 100' 200'
NOTES:
1. REFER TO SURVEY NO. 19-250,
2. SEE SHEET NO. 1 FOR SURVEY NOTES.



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

Designed by: [blank]
Drawn by: [blank]
Checked by: [blank]
Date: 18 SEP 2019

PROJECT NO.: 19-250-VH-102-DGN
JOB NO.: 19-250-VH-102-DGN
DRAWING NO.: 19-250-VH-102-DGN

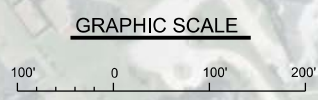
BLOUNT ISLAND
MARINE CORPS TERMINAL
4th QUARTER EXAMINATION SURVEY - SEP 2019
38 - FOOT PROJECT
SLIPWAY AND BERTHING AREAS
PLAN

Scale: AS SHOWN
Drawing no. **3**
SHEET 3 OF 3

DEPTH COLOR CODE

< 38.0	Red
38.0 - 39.9	Green
≥ 40.0	Blue

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G*1"	DBN-1 (09/19)	493,873	2,203,435	30-23-36.89	81-30-53.12
R*36"	LT-36 (07/19)	495,601	2,203,272	30-23-35.35	81-30-33.37
G*37"	DBN-37 (07/19)	495,183	2,202,342	30-23-26.13	81-30-38.10
SIGN / TIDE STAFF	SIGN / TIDE STAFF (07/19)	494,852	2,204,012	30-23-42.65	81-30-41.96
SEC GATE BUOY	SEC GATE BUOY (07/19)	493,571	2,203,771	30-23-40.20	81-30-56.58
SEC GATE BUOY	SEC GATE BUOY (07/19)	493,600	2,204,305	30-23-45.48	81-30-56.27



NOTES:
1. REFER TO SURVEY NO. 19-250.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.
3. SECURITY FENCE WAS NOT OPEN DURING SURVEY.