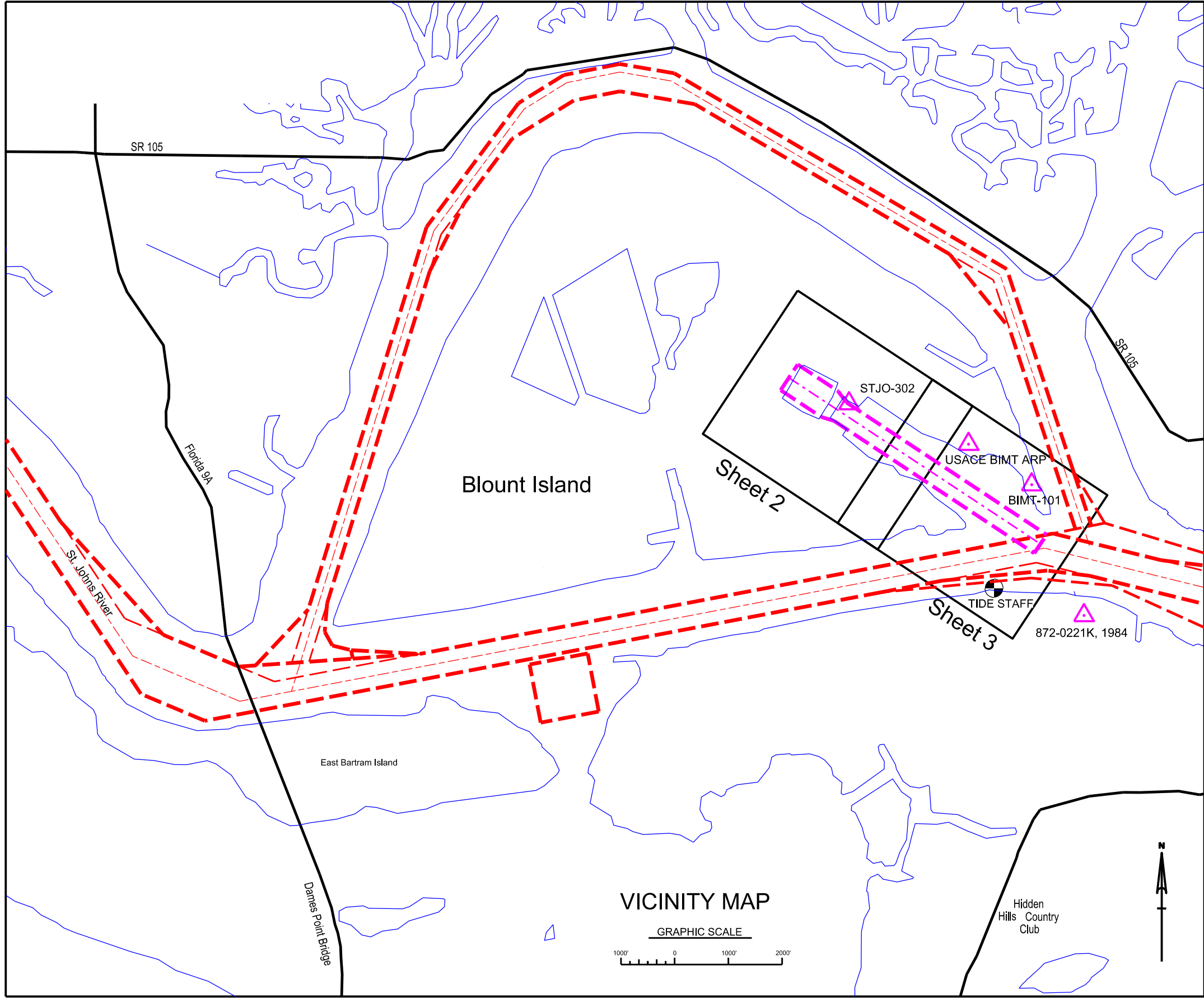
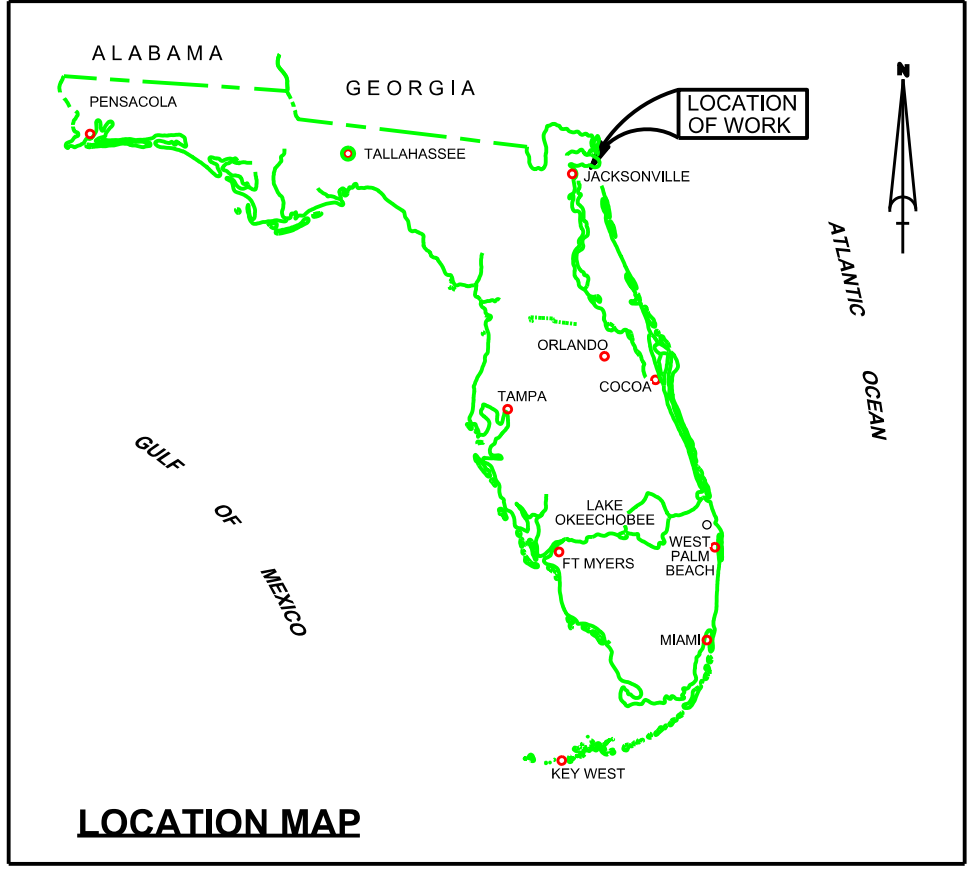


U.S. MARINE CORPS - BLOUNT ISLAND COMMAND

BLOUNT ISLAND MARINE TERMINAL

HYDROGRAPHIC EXAMINATION SURVEY

MAY 2021



SURVEY NOTES:

- REFER TO SURVEY NO. 21-165.
 - DEPTHS DEPICTED BY THIS SURVEY ARE REFERENCED TO MLLW, TIDAL EPOCH 1983-2001, AS PUBLISHED BY THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA).
 - NOAA'S VDATUM MODEL, AND PUBLISHED TIDE STATION DATA WERE USED TO GENERATE A HYPACK KINEMATIC TIDE DATUM (KTD) MODEL. THIS KTD MODEL, BEING A COMBINATION OF THOSE TWO SOURCES CANNOT BE CONSIDERED EQUIVALENT TO THE VDATUM MODEL BECAUSE OF POSSIBLE ADDITIONS OR EDITS THERETO. DO NOT USE VDATUM IN PLACE OF THE KTD FILE. THE KTD MODEL USED FOR THIS SURVEY IS:
"CAMDENG-NASSAU-DUVAL-STJOHNS-FLAGLER_01FEB2011.KTD".
 - TIDAL REDUCTIONS WERE OBTAINED USING REAL-TIME KINEMATIC (RTK) GPS AND UTILIZING THE KTD FILE REFERENCED ABOVE, AND CALIBRATED TO THE PUBLISHED MLLW HEIGHTS OF THE BENCHMARKS ASSOCIATED WITH THE TIDE GAGE SITES SPECIFIED BELOW:
NOAA TIDAL STATION "872-0221", FULTON, ST. JOHNS RIVER
 - 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 AT ST. JOHNS COMMUNITY CENTER BOAT RAMP FROM NOS BM "0211K 1984" (OPUS PID: BC2397)
 - VERTICAL MEASUREMENTS WERE MADE USING A ROSS MODEL 836C SMARTSOUNDER WITH A DUAL-FREQUENCY (28/200KHZ) SINGLE-BEAM TRANSDUCER AND A RESON T20P MULTIBEAM OPERATING AT 400 KHZ. DEPTHS OUTSIDE THE SECURITY GATE, STA 38+00 - 57+00 ARE SHOWN IN HIGH FREQUENCY. DEPTHS INSIDE SECURITY GATE ARE SHOWN IN LOW FREQUENCY (28 KHZ).
- | VESSEL | DATE OF SURVEY | AREA |
|-------------|----------------|---|
| SB-36 | 3 MAY 2021 | STA 0+00 TO STA 16+00 |
| SB-36 | 10 MAY 2021 | STA 12+00 TO STA 38+00 & 36+00 TO 56+09 |
| SURVEY CREW | 28 MAY 2021 | LEAD LINE SOUNDINGS |
| SB-36 | 11 JUN 2021 | FINISH MULTIBEAM PORTION OF SURVEY |
- NAVAIDS WERE LOCATED DURING THIS SURVEY.
 - 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
3RD QUARTER EXAMINATION SURVEY - MAY 2021
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

Drawn by:
Checked by:
Designed by:
Date: MAY 2021

MCTT-CAGCHADEN
21-HBSA-SOUL_LEADLINE-USMCDDN
21-HBSA-SOUL_FL_UL_USMCDDN
SLL 8.5.DGN
21-HBSA-GS-HRDLGN
Reference files:
21-HBSA-H-10.DGN

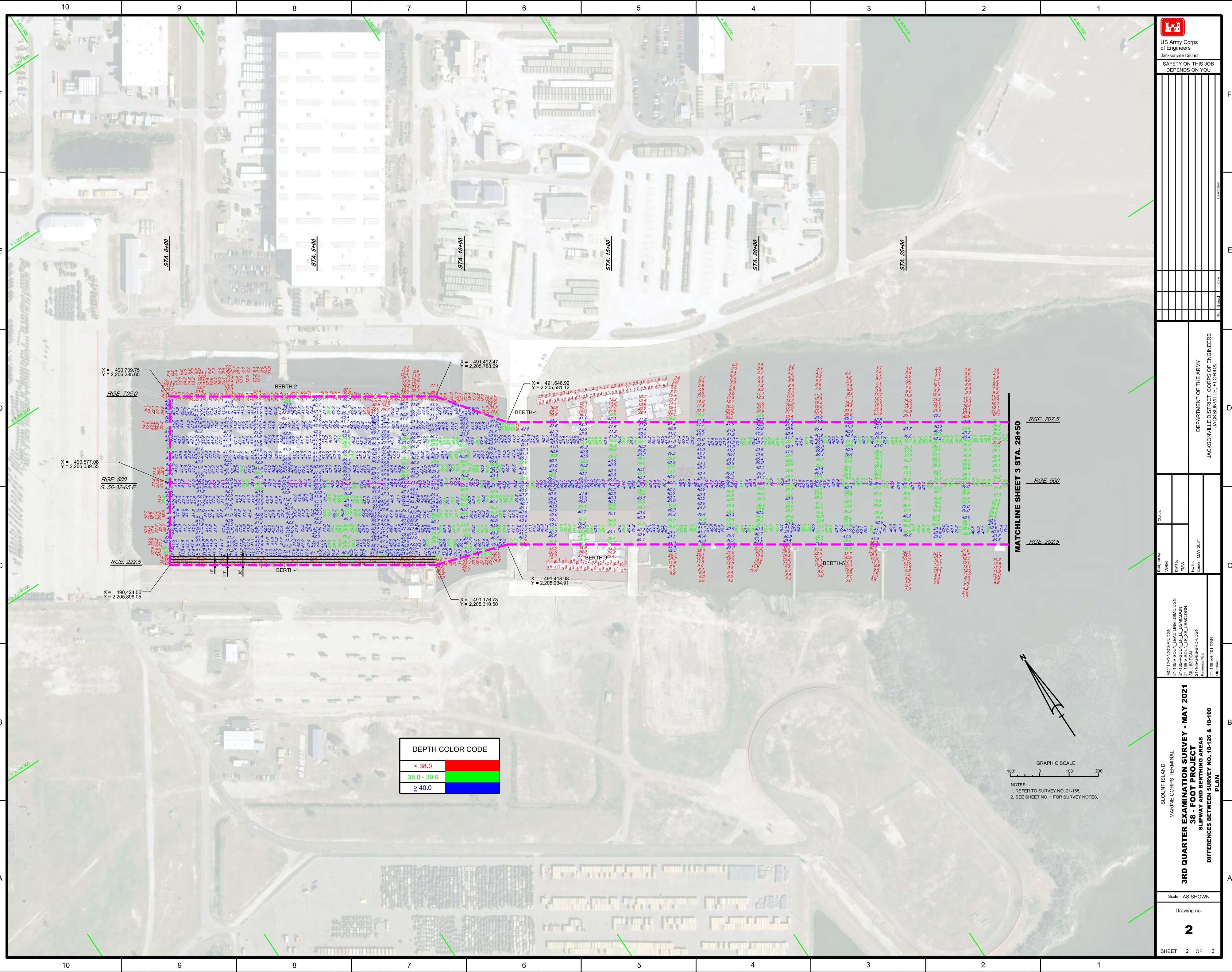
BLOUNT ISLAND
MARINE CORPS TERMINAL
3RD QUARTER EXAMINATION SURVEY - MAY 2021
38 - FOOT PROJECT
SLIPWAY AND BERTHING AREAS
DIFFERENCES BETWEEN SURVEY NO. 18-126 & 18-108
PLAN

Scale: AS SHOWN

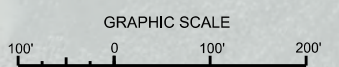
Drawing no.

2

SHEET 2 OF 3



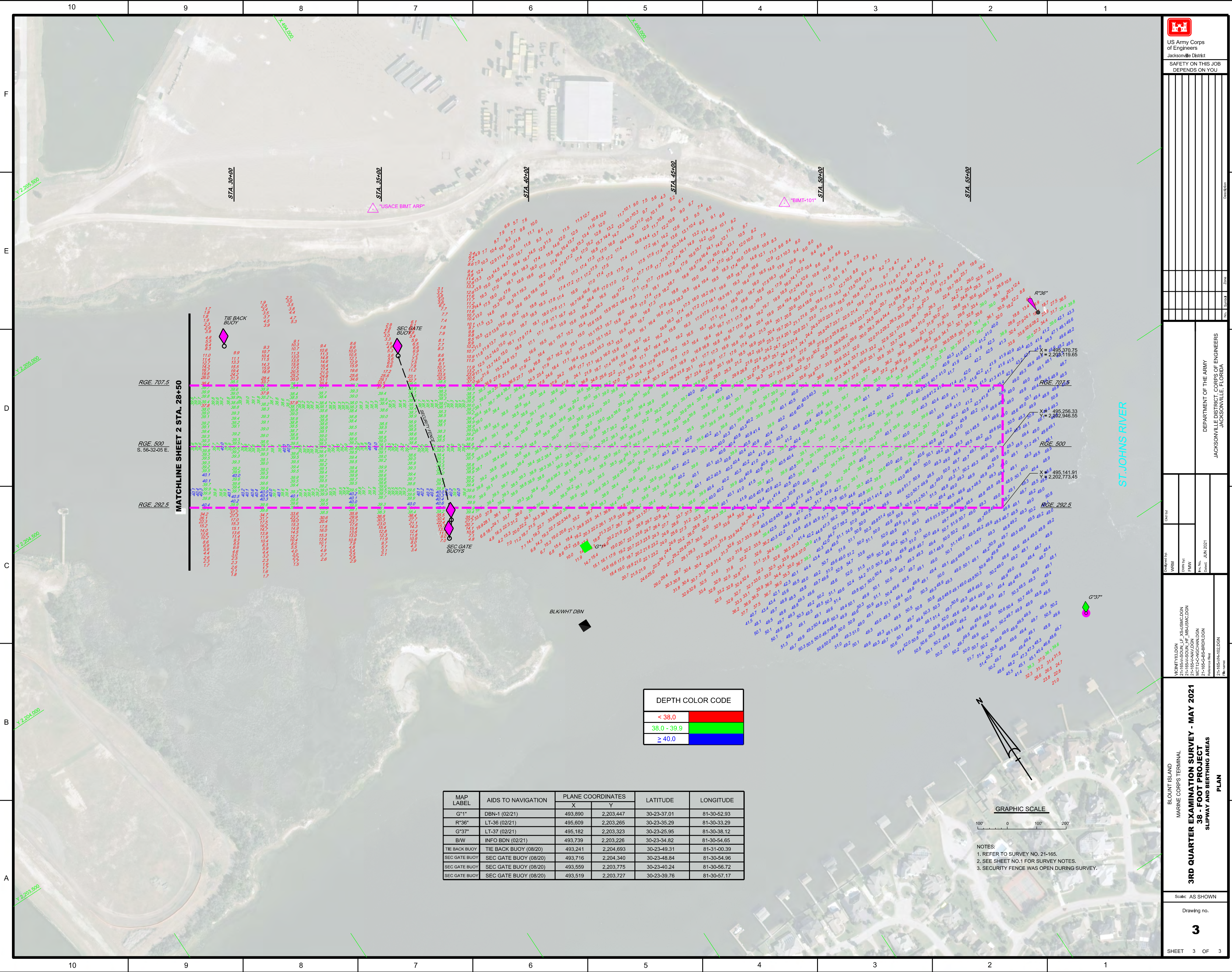
< 38.0	Red
38.0 - 39.9	Green
≥ 40.0	Blue



NOTES:
1. REFER TO SURVEY NO. 21-165,
2. SEE SHEET NO. 1 FOR SURVEY NOTES.



Grid lines 1-10 (horizontal) and A-F (vertical) are present along the edges of the sheet.

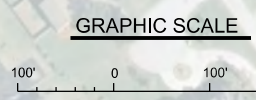


MATCHLINE SHEET 2 STA. 28+50
RGE 707.5
RGE 500
S. 56-32-45 E.
RGE 292.5

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 (02/21)	493,890	2,203,447	30-23-37.01	81-30-52.93
R*36*	LT-36 (02/21)	495,609	2,203,265	30-23-35.29	81-30-33.29
G*37*	LT-37 (02/21)	495,182	2,203,323	30-23-25.95	81-30-38.12
B/W	INFO DBN (02/21)	493,739	2,203,226	30-23-34.82	81-30-54.65
TIE BACK BUOY	TIE BACK BUOY (08/20)	493,241	2,204,693	30-23-49.31	81-31-00.39
SEC GATE BUOY	SEC GATE BUOY (08/20)	493,716	2,204,340	30-23-48.84	81-30-54.96
SEC GATE BUOY	SEC GATE BUOY (08/20)	493,559	2,203,775	30-23-40.24	81-30-56.72
SEC GATE BUOY	SEC GATE BUOY (08/20)	493,519	2,203,727	30-23-39.76	81-30-57.17



NOTES:
1. REFER TO SURVEY NO. 21-165.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.
3. SECURITY FENCE WAS OPEN DURING SURVEY.