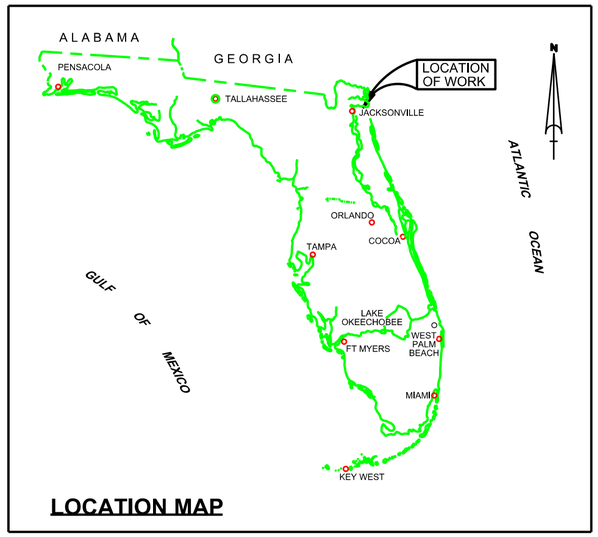
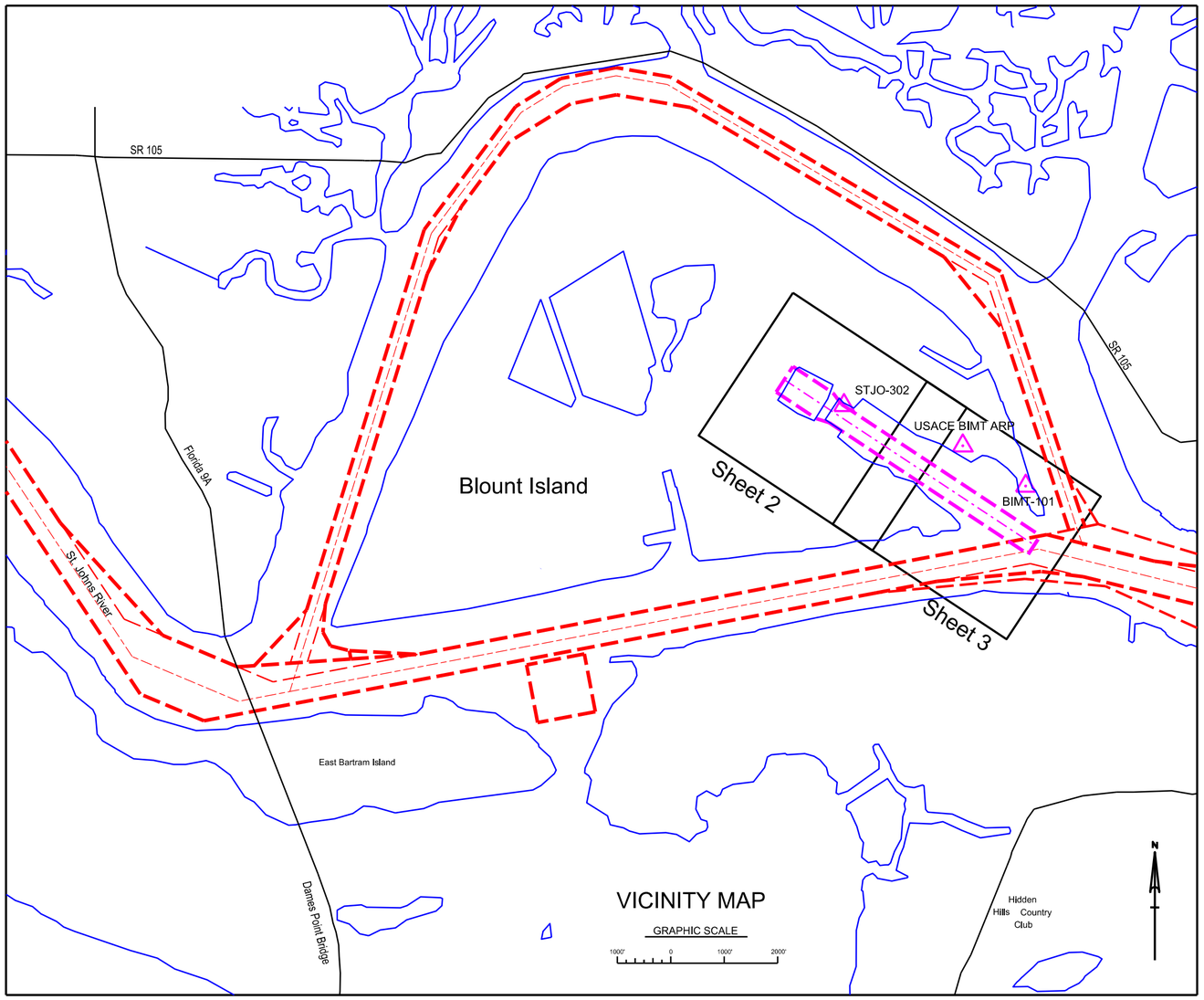
U.S. MARINE CORPS - BLOUNT ISLAND COMMAND
BLOUNT ISLAND MARINE TERMINAL
AFTER-DREDGE SURVEY COMPILATION
FY 2019



LOCATION MAP



VICINITY MAP

SURVEY NOTES:

1. REFER TO SURVEY NO. 20-066. THIS SURVEY IS A COMPILATION OF AN AFTER-DREDGE SURVEY (19-259) PERFORMED UNDER CONTRACT W912EP-19-C-0015.
2. DEPTHS DEPICTED BY THIS SURVEY ARE REFERENCED TO MLLW, TIDAL EPOCH 1983-2001, AS REPORTED BY THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA). A MODIFIED VERSION OF NOAA'S VDATUM MODEL WAS USED TO CALIBRATE TO THE PUBLISHED MLLW HEIGHT OF THE BENCHMARK BELOW:

   NOAA TIDAL STATION "872-0221", FULTON, ST. JOHNS RIVER
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 (RTK) 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)
8. VERTICAL MEASUREMENTS WERE MADE USING A RESON T20P MULTI-BEAM SYSTEM OPERATING AT 240 KHZ AND A ROSS MODEL 835 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	25 OCT 2019	BIMT INSIDE & OUTSIDE SECURITY GATE

9. NAVAIDS COLLECTED DURING SURVEY 19-259 WERE USED.
10. 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.
11. 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.	Symbol	Zone	Description

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

Designed by:
Drawn by: FMW
Rev. No.
Date: 19 SEP 2019

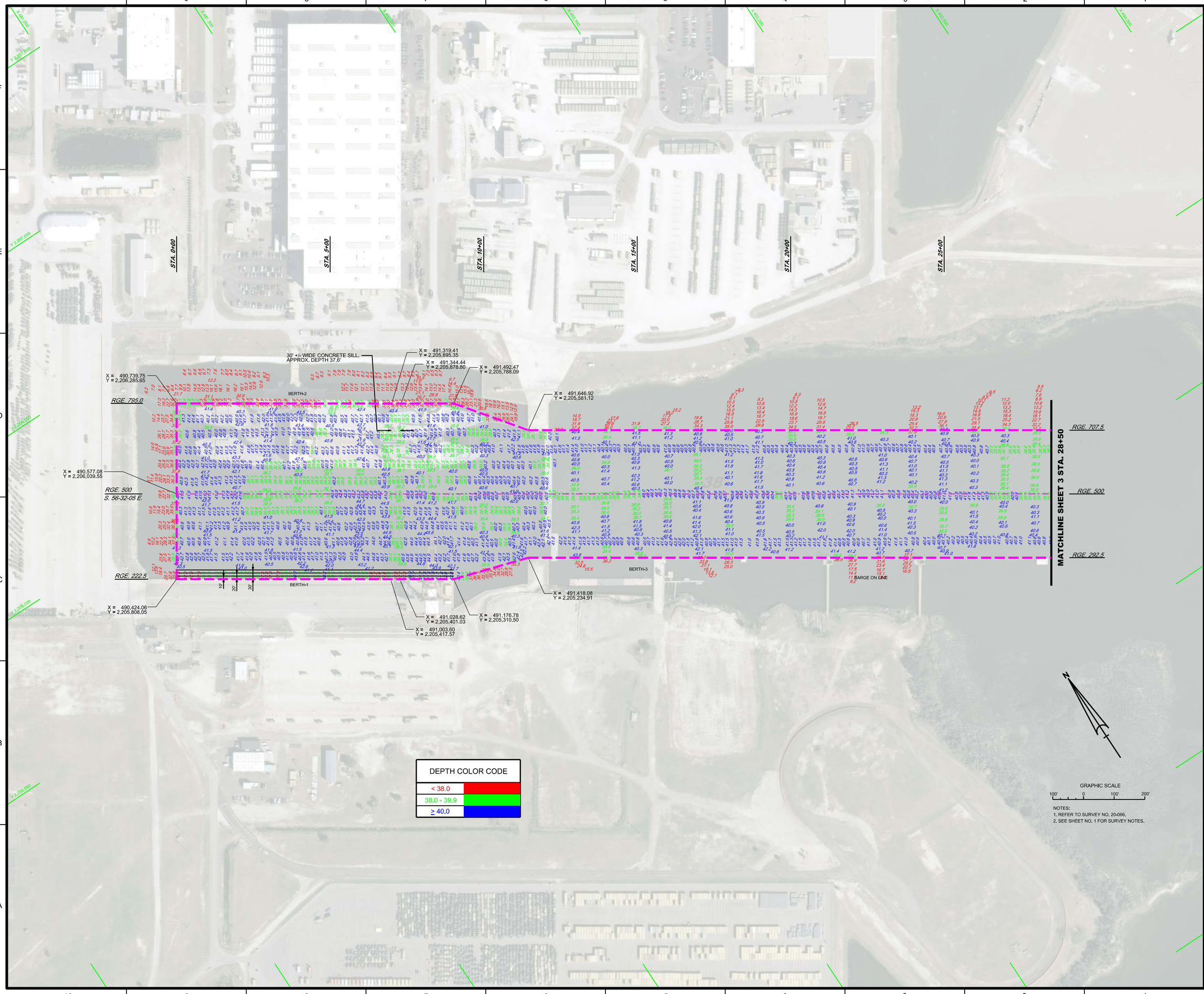
MCIT12-C-W912CHAN.DGN
NEW12CHAN.DGN
JAXBASE.DGN
NEWFLMAP.DGN
20-066-G-BS-BRDR.DGN
Reference files:
20-066-VH-100.DGN
File name:

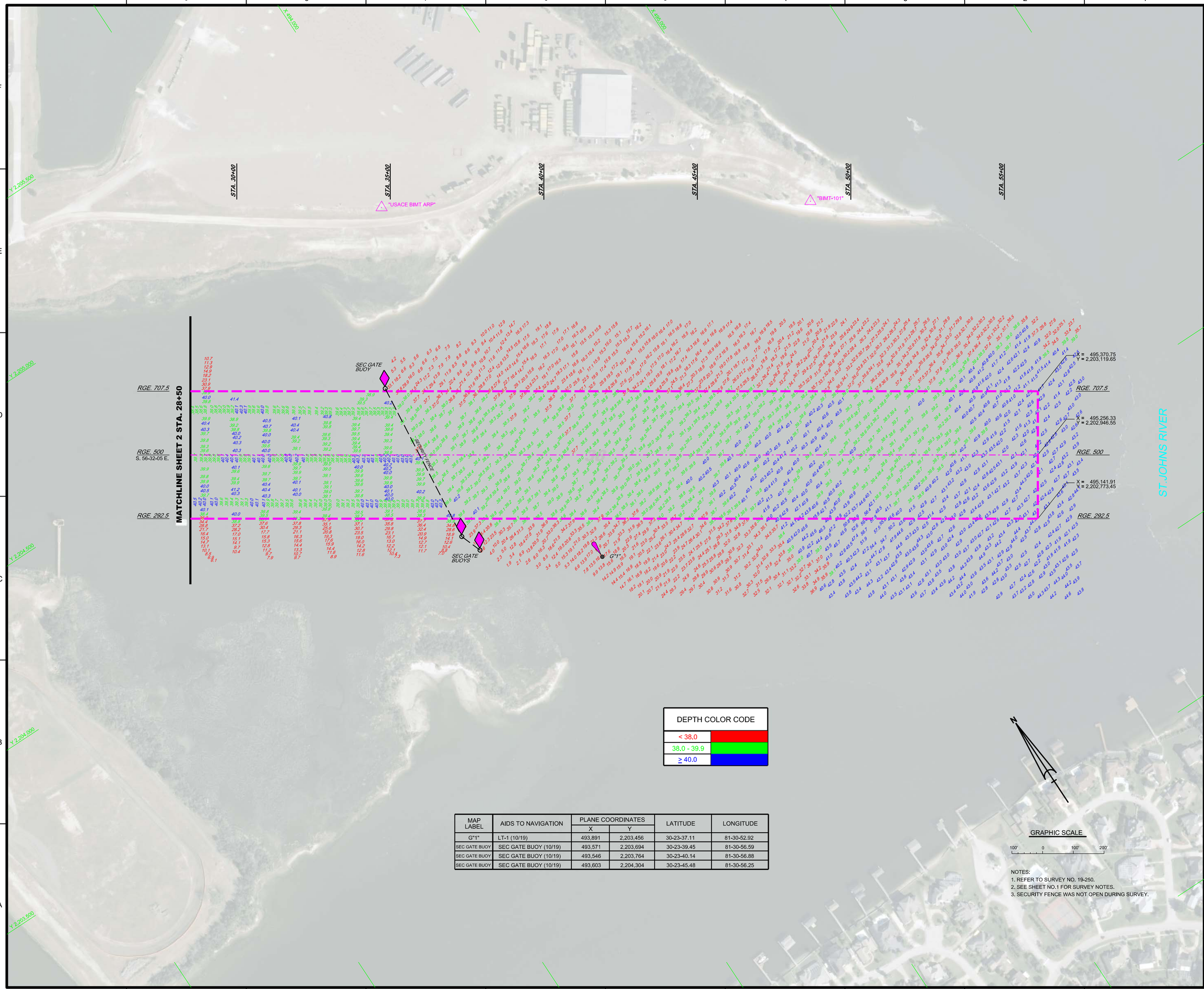
BLOUNT ISLAND
MARINE CORPS TERMINAL
AFTER-DREDGE SURVEY COMPILATION FY19
38 - FOOT PROJECT
SLIPWAY AND BERTHING AREAS
LOCATION AND VICINITY MAP

Scale: AS SHOWN

Drawing no.
1

SHEET 1 OF 3


STA. 0+00
STA. 5+00
STA. 10+00
STA. 15+00
STA. 20+00
STA. 25+00
RGE. 795.0
RGE. 500
S. 56-32-05 E.
RGE. 222.5
RGE. 707.5
RGE. 500
RGE. 292.5
MATCHLINE SHEET 3 STA. 28+50
BERTH-1
BERTH-2
BERTH-3
30' +/- WIDE CONCRETE SILL.
APPROX. DEPTH 37.6'
X = 490,739.75
Y = 2,206,285.65
X = 490,577.08
Y = 2,206,039.55
X = 490,424.06
Y = 2,205,808.05
X = 491,319.41
Y = 2,205,895.35
X = 491,344.44
Y = 2,205,878.80
X = 491,492.47
Y = 2,205,788.09
X = 491,646.92
Y = 2,205,581.12
X = 491,418.08
Y = 2,205,234.91
X = 491,176.78
Y = 2,205,310.50
X = 491,028.62
Y = 2,205,401.03
X = 491,003.60
Y = 2,205,417.57
11' BARGE ON LINE
DEPTH COLOR CODE
< 38.0
38.0 - 39.9
≥ 40.0
GRAPHIC SCALE
100' 0 100' 200'
NOTES:
1. REFER TO SURVEY NO. 20-066.
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:
Drawn by: VRM
Checked by:
Trac. No.
Date: OCT 2019
MCT15-C-NGCHAA.DGN
20-066A-SOUN_LF_XS_USMC.DGN
20-066A-SOUN_LF_XS_USMC.DGN
SILL 83.DGN
20-066-C-BS-BRDR.DGN
Reference files:
20-066-VH-101.DGN
Parameter:
BLOUNT ISLAND
MARINE CORPS TERMINAL
AFTER-DREDGE SURVEY COMPILATION FY19
38 - FOOT PROJECT
SLIPWAY AND BERTHING AREAS
PLAN
Scale: AS SHOWN
Drawing no.
2
SHEET 2 OF 3



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"1"	LT-1 (10/19)	493,891	2,203,456	30-23-37.11	81-30-52.92
SEC GATE BUOY	SEC GATE BUOY (10/19)	493,571	2,203,694	30-23-39.45	81-30-56.59
SEC GATE BUOY	SEC GATE BUOY (10/19)	493,546	2,203,764	30-23-40.14	81-30-56.88
SEC GATE BUOY	SEC GATE BUOY (10/19)	493,603	2,204,304	30-23-45.48	81-30-56.25

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

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

Designed by:
Chk by:
DWN by: VRM
Rev. No.
Date: 18 SEP 2019

VICINITYES.DGN
19-250-V-SOUN_LF_LL-USMC.DGN
19-250-V-SOUN_LF_RS-USMC.DGN
19-250-V-SOUN_LF_MB-USMC.DGN
19-250-V-NAV.DGN
MCT12-C-NGCHAN.DGN
20-066-C-BS-BRDR.DGN
Reference files

19-250-VH-102.DGN
File name:

BLOUNT ISLAND
MARINE CORPS TERMINAL

AFTER-DREDGE SURVEY COMPILATION FY19
38 - FOOT PROJECT
SLIPWAY AND BERTHING AREAS
PLAN

Scale: AS SHOWN

Drawing no.
3

SHEET 3 OF 3