


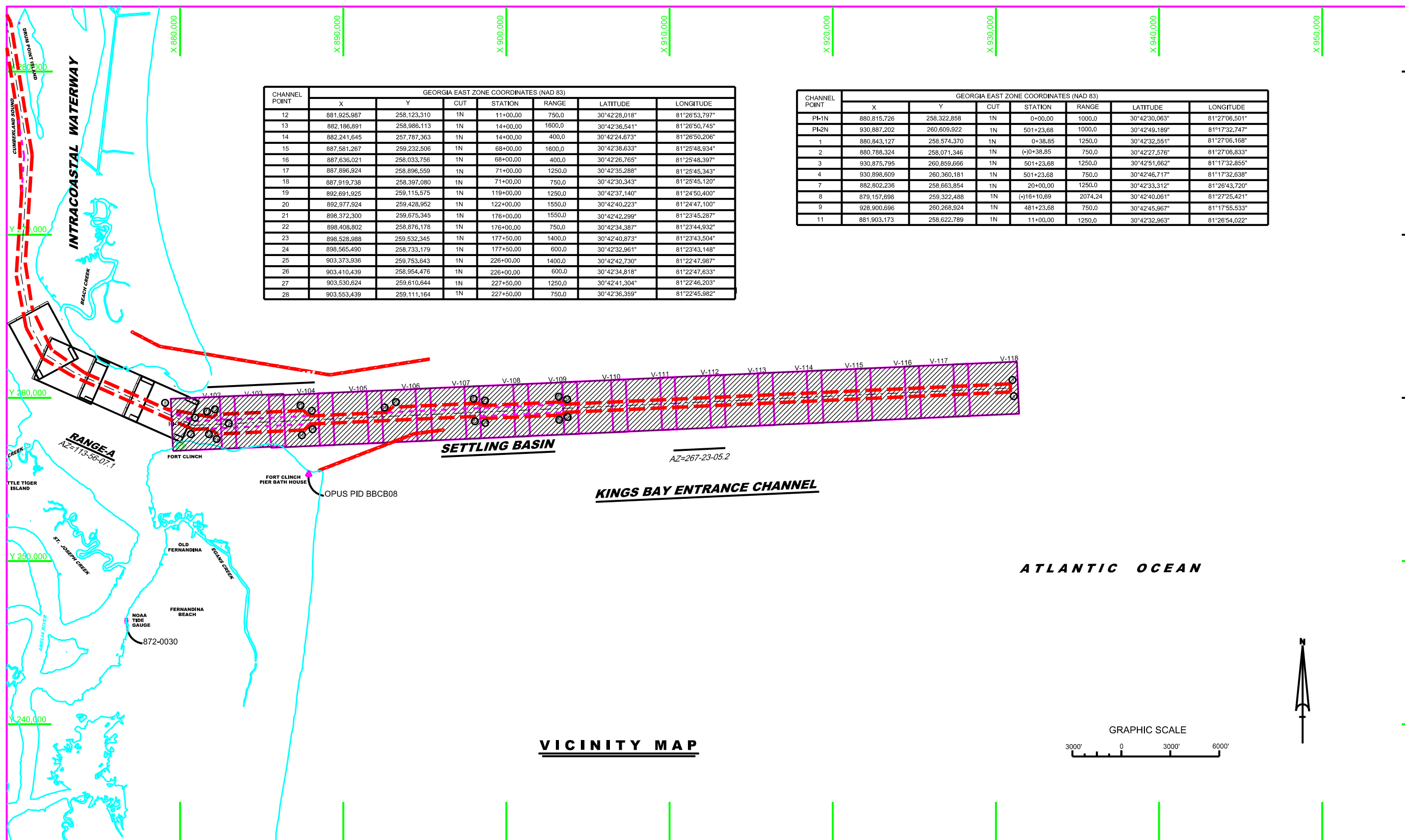
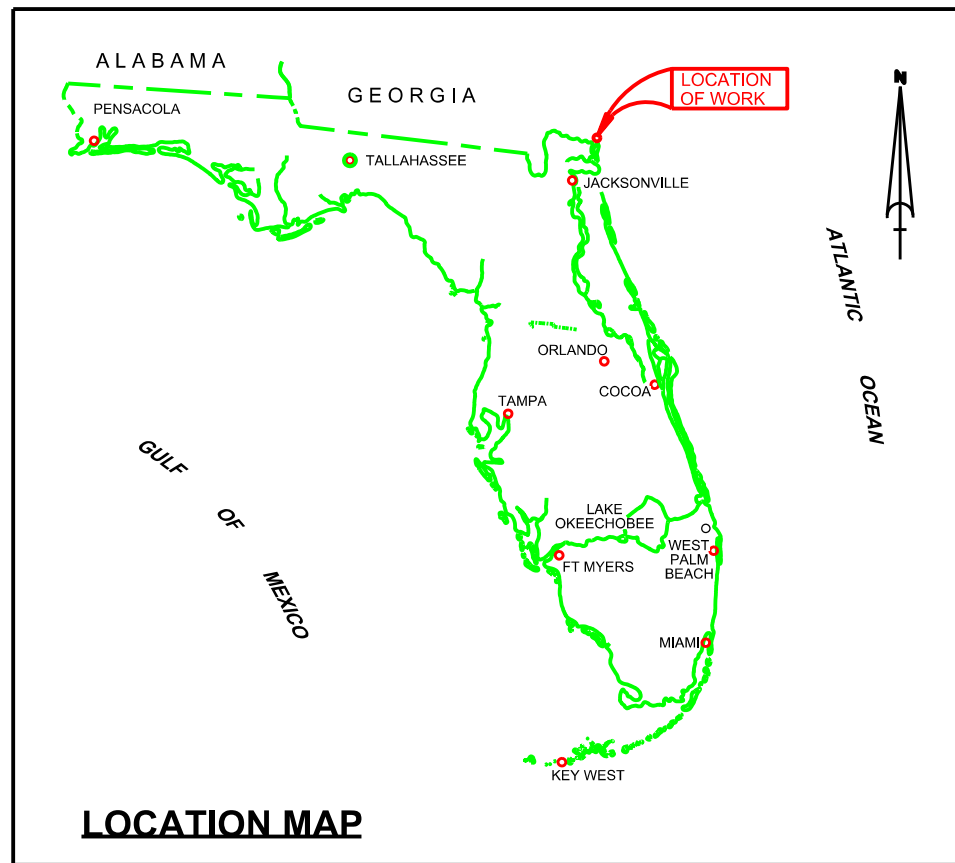
KINGS BAY ENTRANCE CHANNEL

BIMONTHLY EXAMINATION SURVEY

OCT 2017



US Army Corps of Engineers
Jacksonville District
SAFETY ON THIS JOB DEPENDS ON YOU



MAP SHEET NOTES:

- REFER TO SURVEY NO. 17-253.
- 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 VDUTUM MODEL WAS USED AND CALIBRATED TO THE PUBLISHED MLLW HEIGHTS OF THE BENCHMARKS ASSOCIATED WITH THE TIDE GAGE SITES SPECIFIED BELOW:
NOAA TIDAL STATION: 872-0030 FERNANDINA BEACH, AMELIA RIVER, FLORIDA FOR CUT-IN.
- ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGN.
- TIDAL REDUCTIONS WERE OBTAINED UTILIZING REAL-TIME KINEMATIC (RTK) GPS USING A HYPACK KINEMATIC TIDAL DATUM (KTD) FILE. FILE NAME: KINGSBAY-2013.06.10.KTD.
- PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE EAST ZONE OF GEORGIA AND REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD 83).
- 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 "BATH HOUSE ARP", OPUS PID: BBCB08 FOR ENTIRE PROJECT
TIDE STAFF WAS SET NEAR FERNANDINA MUNICIPAL MARINA FROM "RICHARD E. BONNER".
- VERTICAL MEASUREMENTS WERE MADE USING A R2SONIC MODEL 2024 MULTIBEAM SYSTEM, AND A ROSS MODEL 835C DUAL-FREQUENCY SOUNDING WITH A 28/200 KHZ SINGLE-BEAM TRANSDUCER. SOUNDINGS FROM STA. 0+00 TO STA. 200+00 AND STA. 350+00 TO STA. 501+24 ARE SHOWN IN HIGH FREQUENCY (240 KHZ) AND LOW FREQUENCY (28 KHZ) FROM STA. 200+00 TO STA. 350+00.
- SAFETY TO NAVIGATION WERE LOCATED DURING THIS SURVEY.
- THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED ABOVE AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS AT THAT TIME. THIS CHART IS SOLELY FOR THE DISTRIBUTION OF AVAILABLE DEPTHS AT THE TIME OF SURVEY AND 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 AND EM 1110-2-6056, STANDARDS AND PROCEDURES FOR REFERENCING PROJECT ELEVATION GRADES TO NATIONWIDE VERTICAL DATUMS, 31 DEC 2010.

SURVEY VESSEL	DATE OF SURVEY	AREA SURVEYED
SV-FLORIDA II	04 OCT 2017	CUT-IN, STA 0+00-100+00
SV-FLORIDA II	10 OCT 2017	CUT-IN, STA 100+00-231+00
SV-FLORIDA II	11 OCT 2017	CUT-IN, STA 232+00-350+00
SV-FLORIDA II	12 OCT 2017	CUT-IN, STA 350+00-501+24

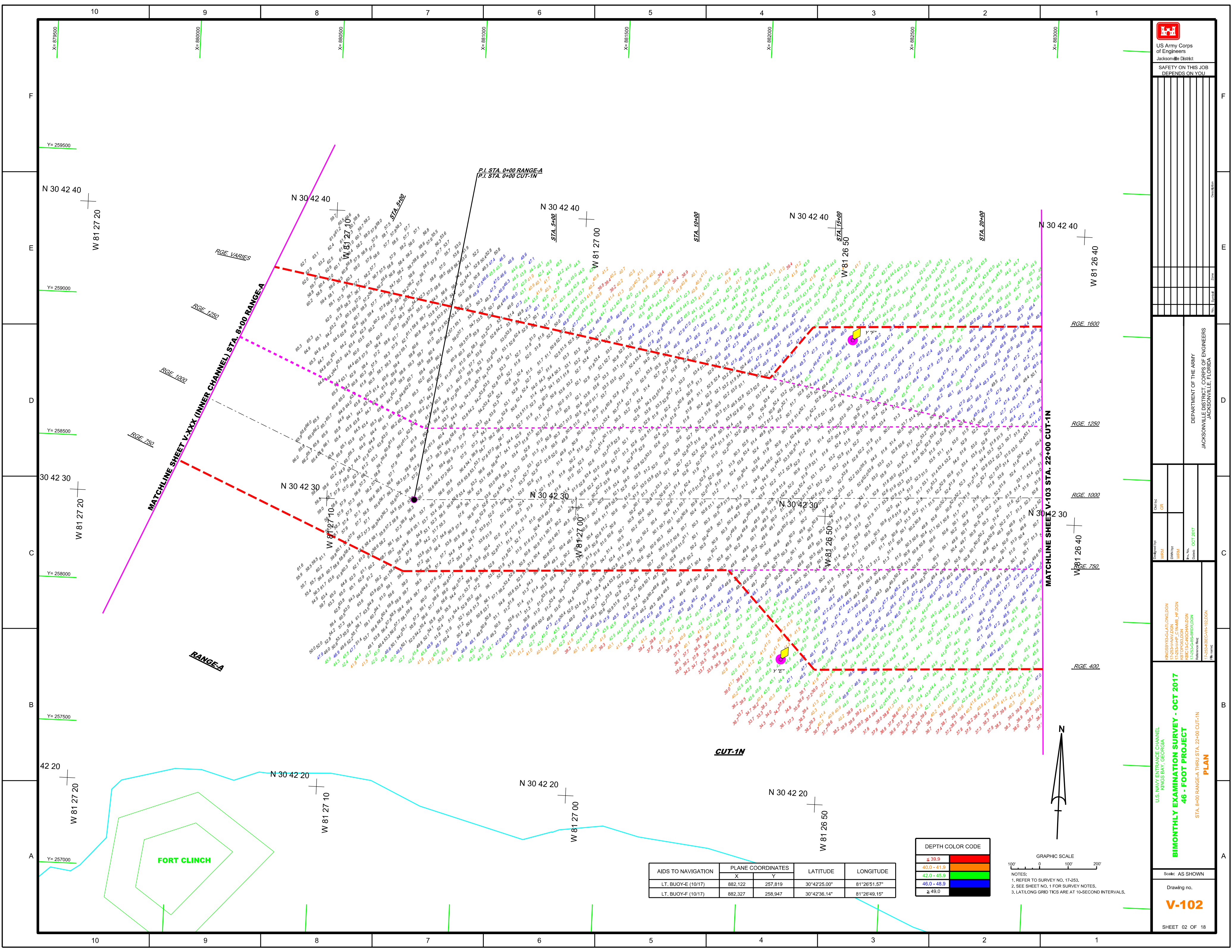
LEGEND

	MONUMENT
	LIGHTED BEACON
	GREEN DAY BEACON
	RED DAY BEACON
	RED LIGHTED BUOY
	GREEN LIGHTED BUOY
	CAN BUOY
	NUN BUOY
	TIDE STAFF
	MAJOR CONTOUR
	MINOR CONTOUR
	MAJOR DEPRESSION
	MINOR DEPRESSION

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

U.S. NAVY ENTRANCE CHANNEL
KINGS BAY, GEORGIA
BIMONTHLY EXAMINATION SURVEY - OCT 2017
46 - FOOT PROJECT
INDEX LOCATION AND VICINITY
MAP

Scale: AS SHOWN
Drawing no.
V-101
SHEET 01 OF 18



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

Checked By: GRL
 Drawn By: WRM
 Reference Date: OCT 2017

U.S. NAVY ENTRANCE CHANNEL
 KINGS BAY, GEORGIA
BIMONTHLY EXAMINATION SURVEY - OCT 2017
 46 - FOOT PROJECT
 STA. 8+00 RANGE-A THRU STA. 22+00 CUT-IN
PLAN

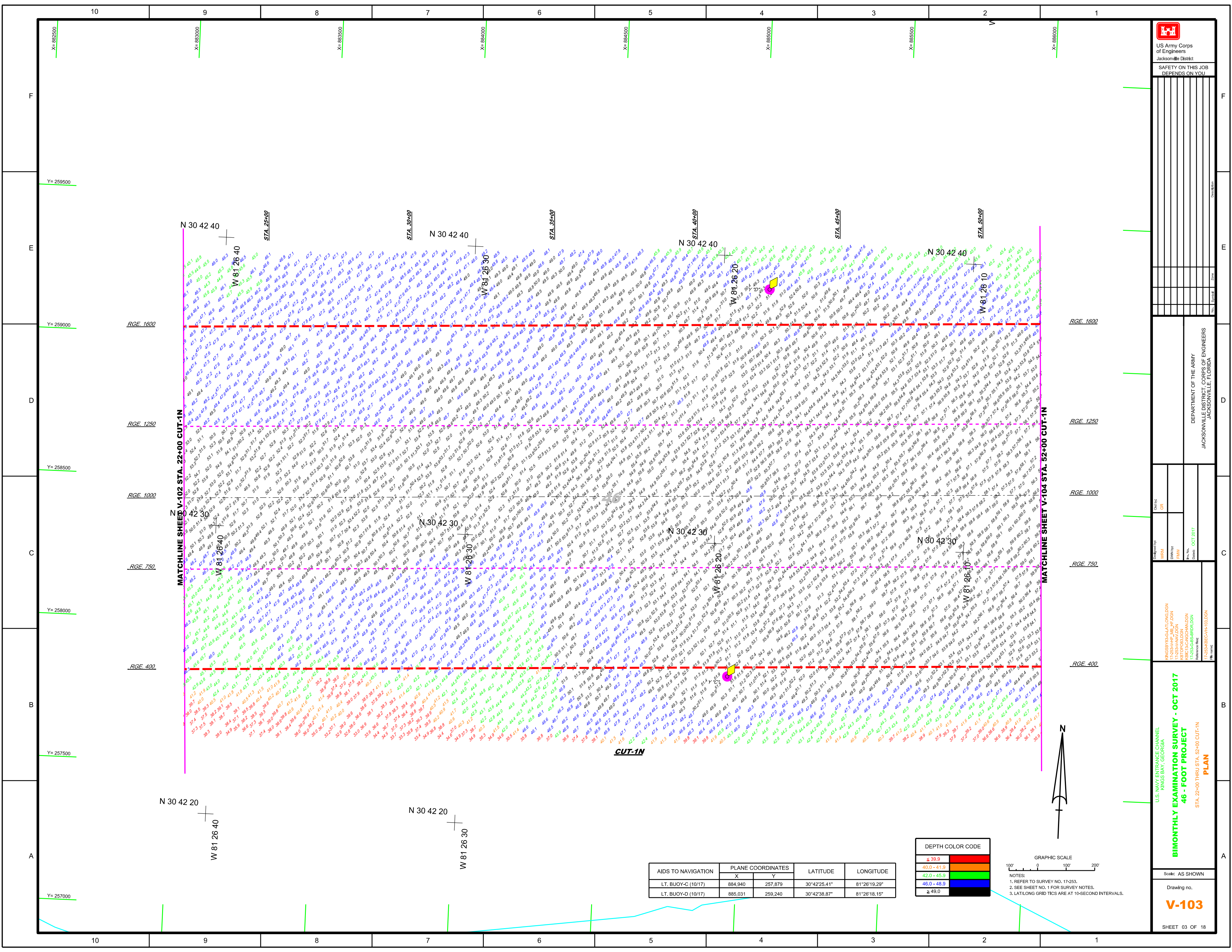
Scale: AS SHOWN
 Drawing no. **V-102**
 SHEET 02 OF 18

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-E (10/17)	882,122	257,819	30°42'25.00"	81°26'51.57"
LT. BUOY-F (10/17)	882,327	258,947	30°42'36.14"	81°26'49.15"

DEPTH COLOR CODE	
≤ 39.9	Red
40.0 - 41.9	Orange
42.0 - 45.9	Yellow
46.0 - 48.9	Green
≥ 49.0	Blue

GRAPHIC SCALE
 0 100' 200'

NOTES:
 1. REFER TO SURVEY NO. 17-253.
 2. SEE SHEET NO. 1 FOR SURVEY NOTES.
 3. LAT/LONG GRID TICS ARE AT 10-SECOND INTERVALS.



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JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

CHARTERED BY: GRI
DESIGNED BY: WRM
DRAWN BY: FHW
CHECKED BY: JAW
DATE: OCT 2017

U.S. NAVY ENTRANCE CHANNEL
KINGS BAY, GEORGIA
BIMONTHLY EXAMINATION SURVEY - OCT 2017
46 - FOOT PROJECT
PLAN
STA. 22+00 THRU STA. 52+00 CUT-IN
Reference File: 17-2534-REC-VH-103.DGN
File Name: V-103

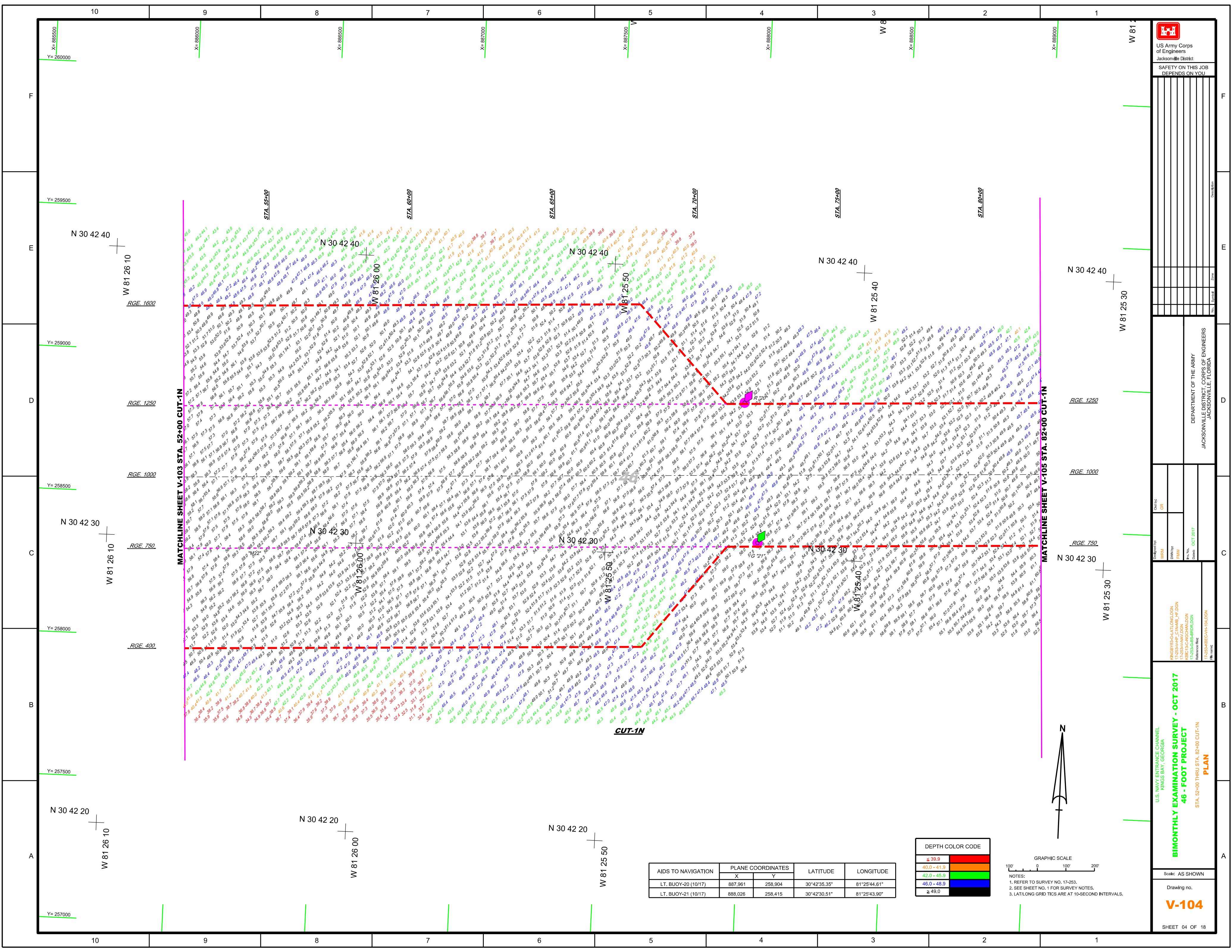
Scale: AS SHOWN
Drawing no. V-103
SHEET 03 OF 18

DEPTH CODE	
≤ 39.9	Red
40.0 - 41.9	Orange
42.0 - 45.9	Yellow
46.0 - 48.9	Green
≥ 49.0	Blue

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-C (10/17)	884,940	257,879	30°42'25.41"	81°26'19.29"
LT. BUOY-D (10/17)	885,031	259,240	30°42'38.87"	81°26'18.15"

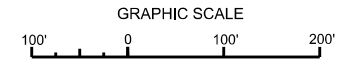
GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 17-253.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.
3. LAT/LONG GRID TICS ARE AT 10-SECOND INTERVALS.



DEPTH COLOR CODE	
≤ 39.9	Red
40.0 - 41.9	Orange
42.0 - 45.9	Yellow
46.0 - 48.9	Green
≥ 49.0	Blue

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-20 (1017)	887.961	258.904	30°42'35.35"	81°25'44.61"
LT. BUOY-21 (1017)	888.026	258.415	30°42'30.51"	81°25'43.90"



NOTES:
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3. LAT/LONG GRID TICS ARE AT 10-SECOND INTERVALS.



MATCHLINE SHEET V-103 STA. 52+00 CUT-IN

MATCHLINE SHEET V-105 STA. 82+00 CUT-IN

CUT-IN



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Jacksonville District

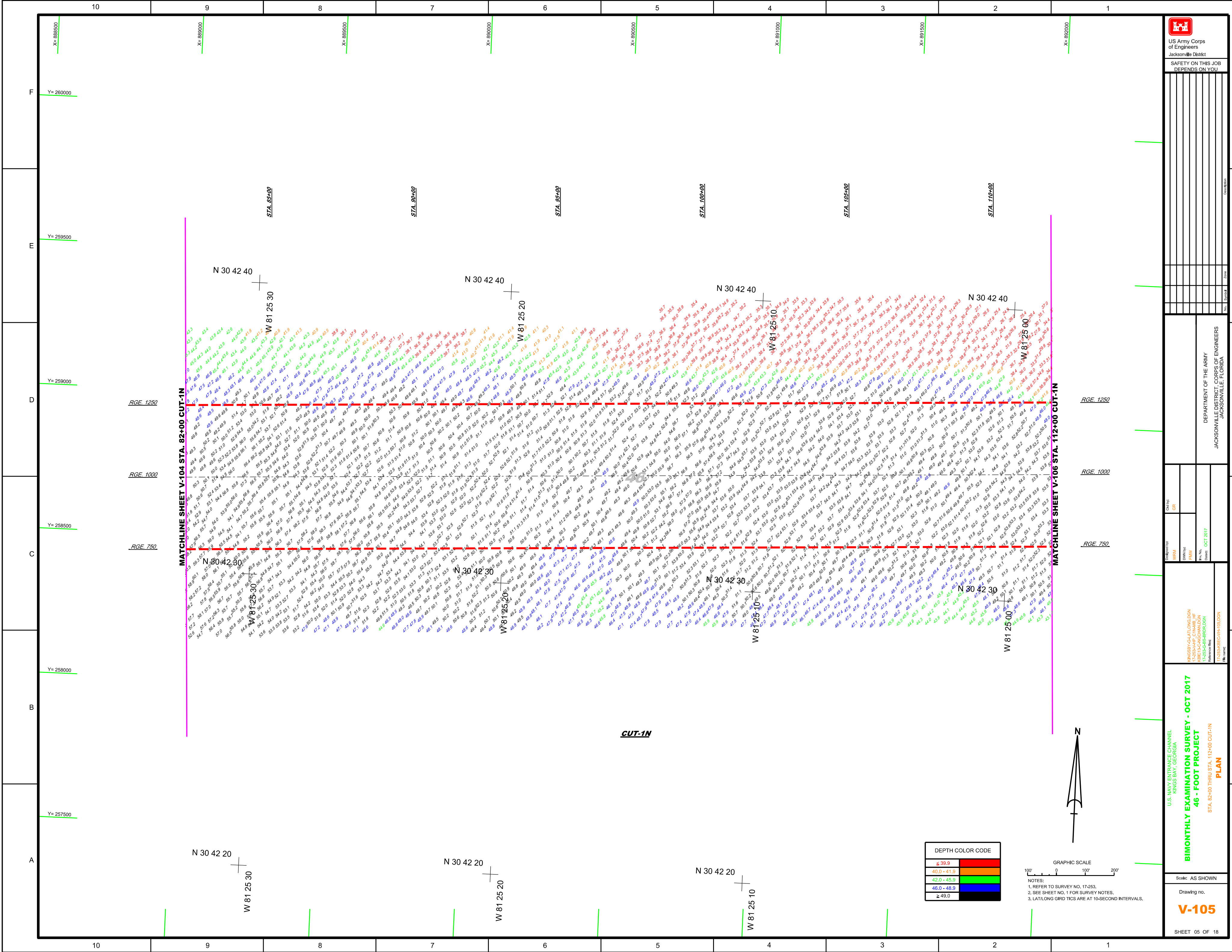
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JACKSONVILLE, FLORIDA

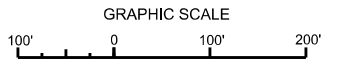
WINGSBY-GATLONDON
KINGSBAY, GEORGIA
17-235-00-000
Reference File:
17-235-00-000.DGN
17-235-00-000.DGN

U.S. NAVY ENTRANCE CHANNEL
KINGS BAY, GEORGIA
BIMONTHLY EXAMINATION SURVEY - OCT 2017
46 - FOOT PROJECT
STA. 82+00 THRU STA. 112+00 CUT-IN
PLAN

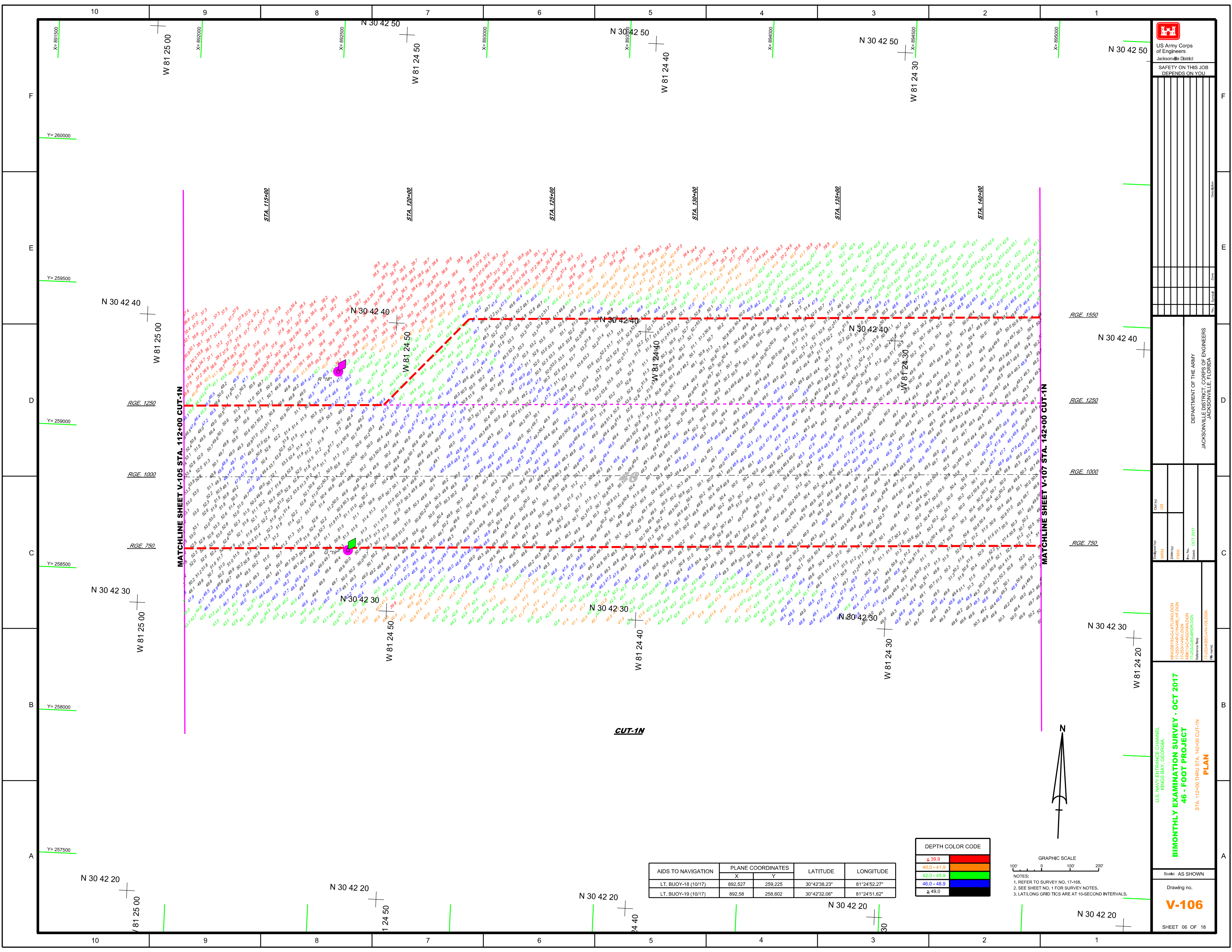
Scale: AS SHOWN
Drawing no.
V-105
SHEET 05 OF 18



DEPTH COLOR CODE	
≤ 39.9	Red
40.0 - 41.9	Orange
42.0 - 45.9	Green
46.0 - 48.9	Blue
≥ 49.0	Black



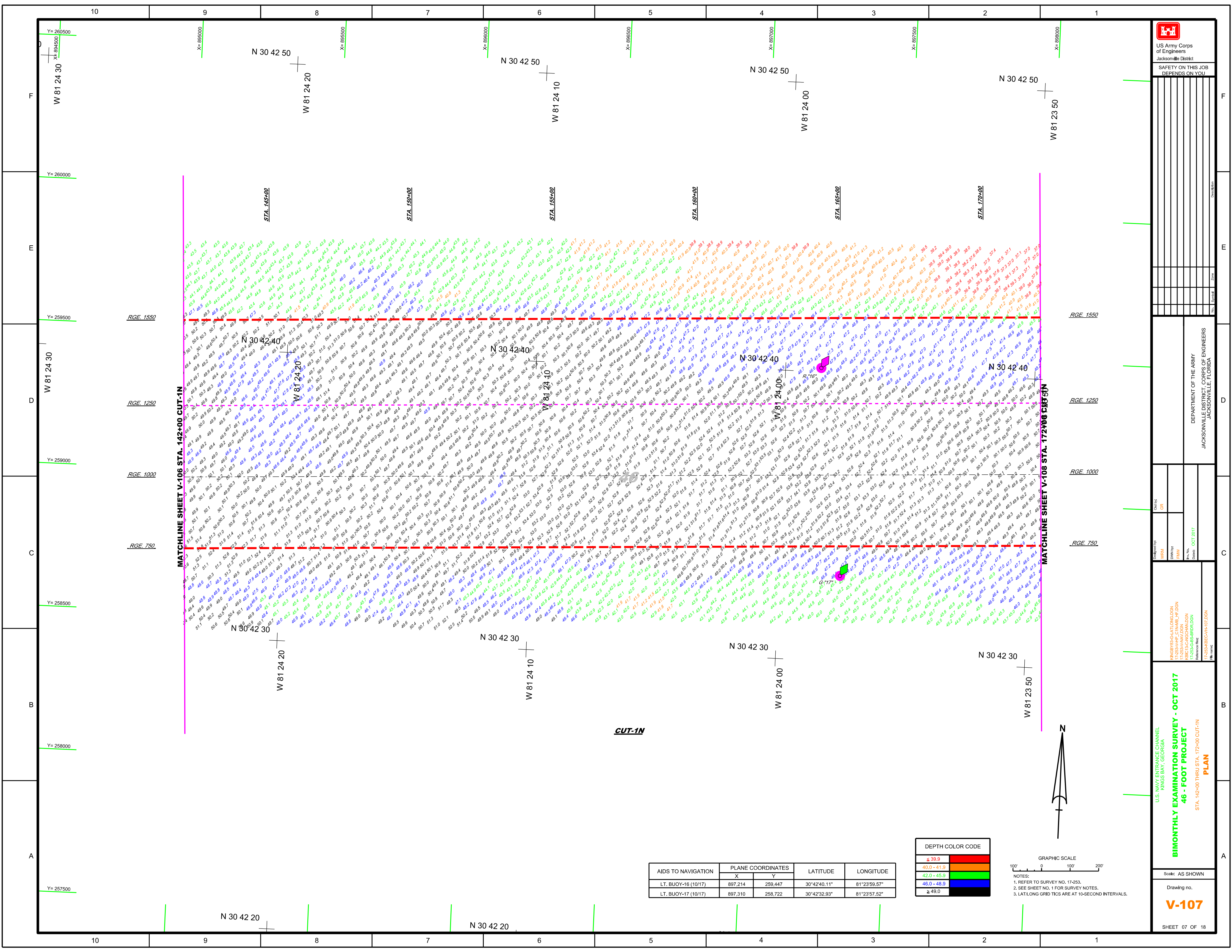
NOTES:
1. REFER TO SURVEY NO. 17-253.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.
3. LAT/LONG GRID TICS ARE AT 10-SECOND INTERVALS.



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-18 (10/17)	892.527	259.225	30°42'38.23"	81°24'52.27"
LT. BUOY-19 (10/17)	892.58	258.602	30°42'32.06"	81°24'51.62"

DEPTH COLOR CODE	
≤ 39.9	Red
40.0 - 41.9	Orange
42.0 - 45.9	Yellow
46.0 - 48.9	Green
≥ 49.0	Blue

GRAPHIC SCALE
100' 0 100' 200'
NOTES:
1. REFER TO SURVEY NO. 17-168.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.
3. LAT/LONG GRID TICS ARE AT 10-SECOND INTERVALS.



MATCHLINE SHEET V-106 STA. 142+00 CUT-IN

MATCHLINE SHEET V-108 STA. 172+00 CUT-IN

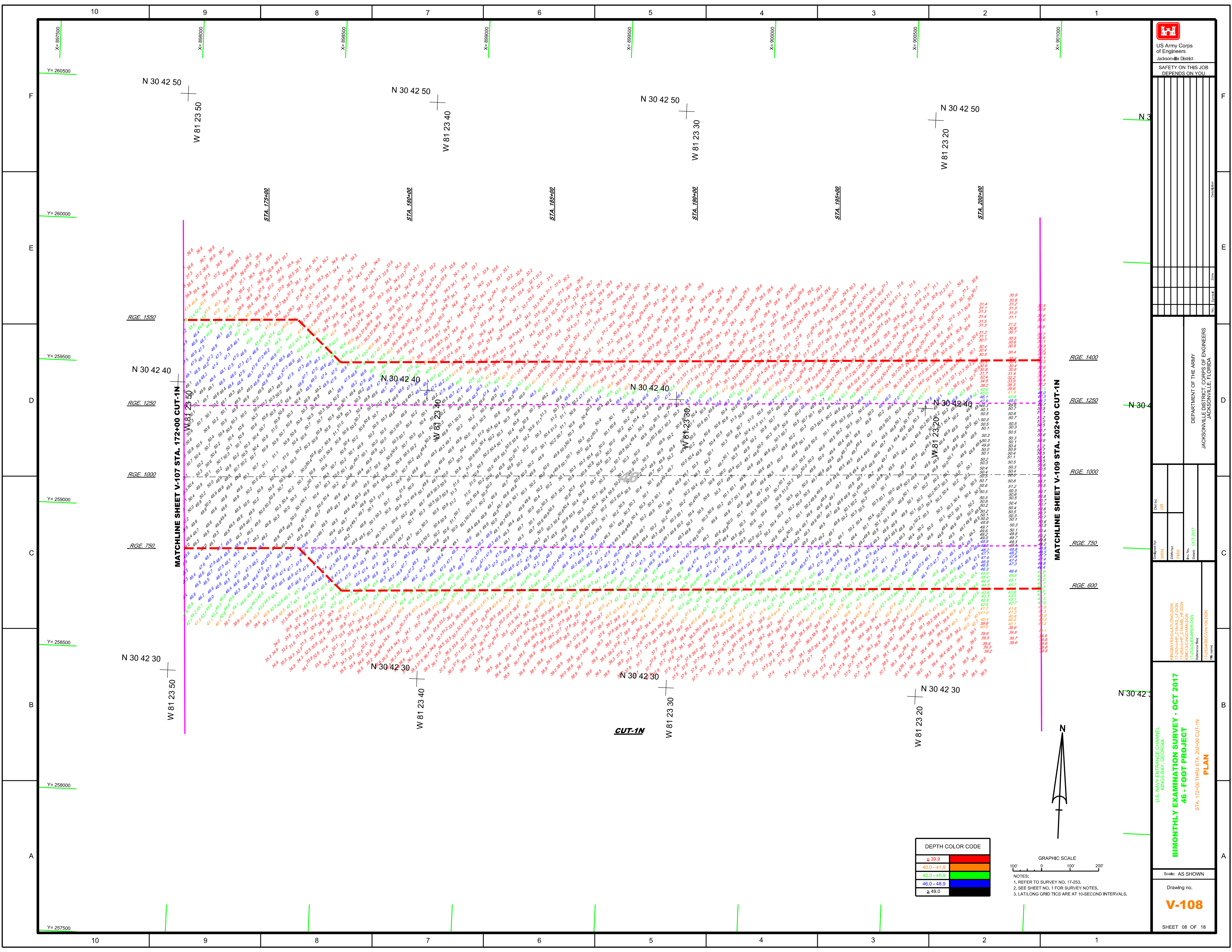
DEPTH COLOR CODE	
≤ 39.9	Red
40.0 - 41.9	Orange
42.0 - 45.9	Yellow
46.0 - 48.9	Green
≥ 49.0	Blue

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-16 (1017)	897,214	259,447	30°42'40.11"	81°23'59.57"
LT. BUOY-17 (1017)	897,310	258,722	30°42'32.93"	81°23'57.52"



NOTES:
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3. LAT/LONG GRID TICCS ARE AT 10-SECOND INTERVALS.

CUT-IN



MATCHLINE SHEET V-107 STA. 175+00 CUT-1N

MATCHLINE SHEET V-109 STA. 205+00 CUT-1N

DEPTH COLOR CODE	
≤ 39.9	Red
40.0 - 41.9	Orange
42.0 - 45.9	Yellow
46.0 - 48.9	Green
≥ 49.0	Blue



NOTES:
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U.S. NAVY ENTRANCE CHANNEL
 KINGS BAY, GEORGIA

BIMONTHLY EXAMINATION SURVEY - OCT 2017
 46 - FOOT PROJECT

PLAN

DESIGNED BY: WRM
 CHECKED BY: GR

DRAWN BY: FHW
 DATE: OCT 2017

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

PROJECT NO. 17-253-AR-CH-108.DGN

DATE: 10/17/17

SCALE: AS SHOWN

DRAWING NO. **V-108**

SHEET 08 OF 18