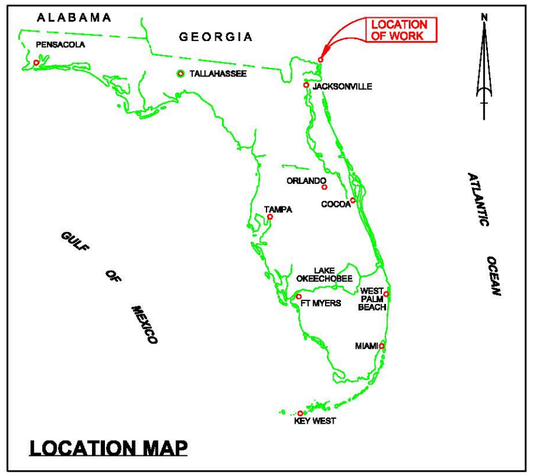
KINGS BAY ENTRANCE CHANNEL

4TH QUARTER FY12

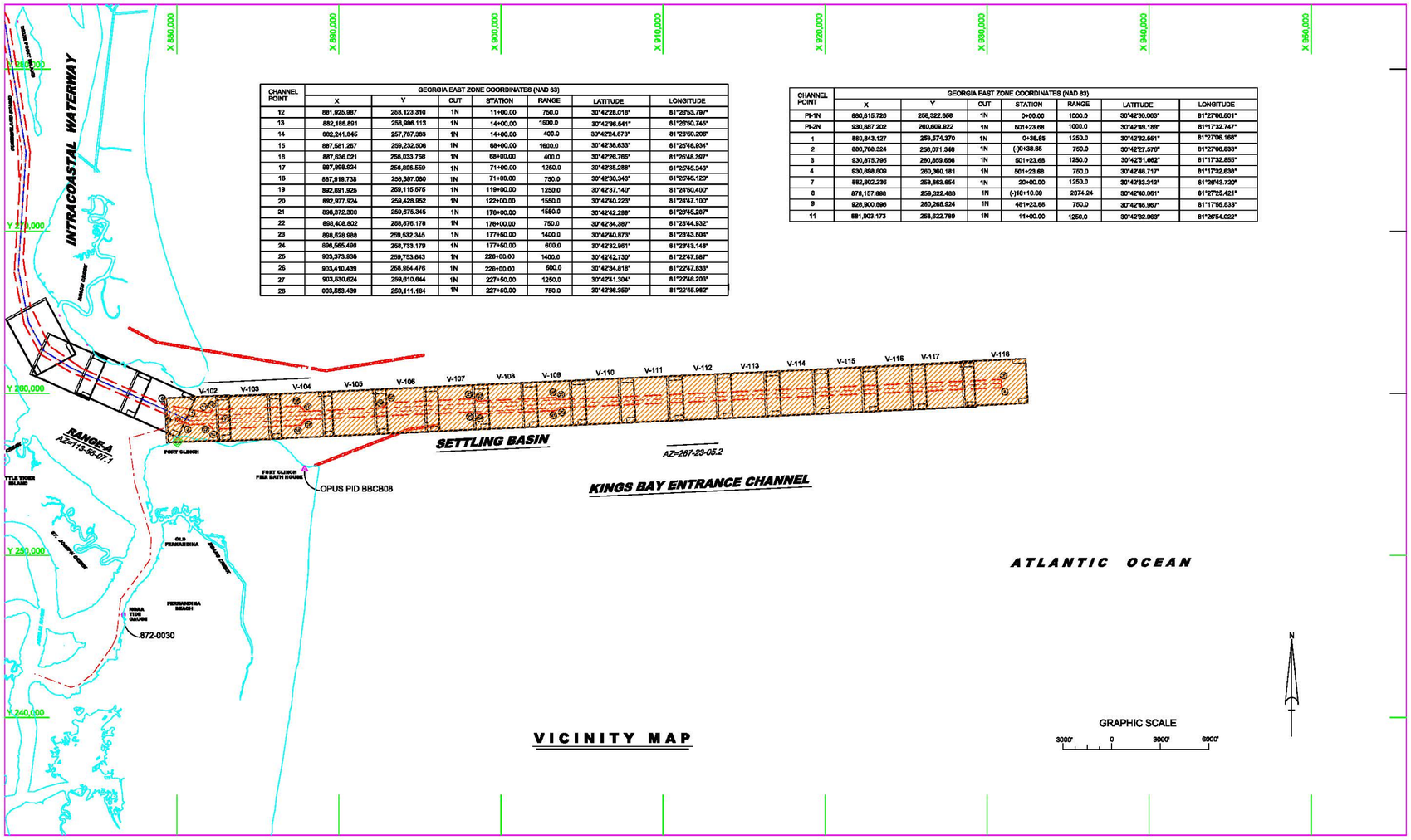
HYDROGRAPHIC EXAM SURVEY



LOCATION MAP

CHANNEL POINT	GEORGIA EAST ZONE COORDINATES (NAD 83)						
	X	Y	CUT	STATION	RANGE	LATITUDE	LONGITUDE
12	881,925.987	258,123.910	1N	11+00.00	750.0	30°42'28.018"	81°26'53.797"
13	882,185.891	258,996.113	1N	14+00.00	1600.0	30°42'36.541"	81°26'50.745"
14	882,241.845	257,767.383	1N	14+00.00	400.0	30°42'24.673"	81°26'60.206"
15	887,581.267	259,232.506	1N	68+00.00	1600.0	30°42'38.633"	81°25'48.934"
16	887,636.021	258,033.758	1N	68+00.00	400.0	30°42'26.765"	81°25'48.397"
17	887,898.924	256,886.559	1N	71+00.00	1250.0	30°42'35.288"	81°25'45.343"
18	887,919.738	256,387.080	1N	71+00.00	750.0	30°42'30.343"	81°25'45.120"
19	892,691.925	259,115.675	1N	119+00.00	1250.0	30°42'37.140"	81°24'50.400"
20	892,977.924	259,428.952	1N	122+00.00	1550.0	30°42'40.223"	81°24'47.100"
21	896,372.300	259,675.345	1N	176+00.00	1550.0	30°42'42.299"	81°23'45.287"
22	896,408.802	258,876.178	1N	176+00.00	750.0	30°42'34.287"	81°23'44.932"
23	896,528.988	259,532.345	1N	177+50.00	1400.0	30°42'40.873"	81°23'43.604"
24	896,565.490	258,733.179	1N	177+50.00	600.0	30°42'32.961"	81°23'43.148"
25	903,373.636	259,753.643	1N	226+00.00	1400.0	30°42'42.730"	81°22'47.987"
26	903,410.439	258,954.476	1N	226+00.00	600.0	30°42'34.818"	81°22'47.833"
27	903,530.624	259,610.644	1N	227+50.00	1250.0	30°42'41.304"	81°22'46.203"
28	903,553.439	258,111.164	1N	227+50.00	750.0	30°42'36.359"	81°22'45.982"

CHANNEL POINT	GEORGIA EAST ZONE COORDINATES (NAD 83)						
	X	Y	CUT	STATION	RANGE	LATITUDE	LONGITUDE
PI-1N	880,815.728	258,322.668	1N	0+00.00	1000.0	30°42'30.063"	81°27'06.601"
PI-2N	930,887.202	260,009.922	1N	501+23.68	1000.0	30°42'46.189"	81°17'32.747"
1	880,843.127	259,574.370	1N	0+38.85	1250.0	30°42'32.651"	81°27'06.168"
2	880,788.324	258,071.346	1N	(-)0+38.85	750.0	30°42'27.576"	81°27'06.833"
3	930,875.795	260,859.666	1N	501+23.68	1250.0	30°42'51.662"	81°17'32.655"
4	930,888.609	260,360.181	1N	501+23.68	750.0	30°42'46.717"	81°17'32.638"
7	882,802.236	259,663.654	1N	20+00.00	1250.0	30°42'33.312"	81°26'43.720"
8	879,157.898	259,322.488	1N	(-)16+10.69	2074.24	30°42'40.061"	81°27'25.421"
9	926,900.996	260,268.924	1N	481+23.68	750.0	30°42'46.967"	81°17'55.533"
11	881,903.173	258,622.789	1N	11+00.00	1250.0	30°42'32.963"	81°26'54.022"



VICINITY MAP

MAP SHEET NOTES:

1. REFER TO SURVEY NO. 12-184.

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 BENCHMARKS ASSOCIATED WITH THE TIDE GAGE SITES SPECIFIED BELOW:

NOAA TIDAL STATION: 872-0030 FERNANDINA BEACH, AMELIA RIVER, FLORIDA FOR CUT-1N.

3. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEEDED BY A (+) SIGN.

4. TIDAL REDUCTIONS WERE OBTAINED UTILIZING REAL-TIME KINEMATIC (RTK) GPS USING A HYPACK KINEMATIC TIDAL DATUM (KTD) FILE. FILE NAME: KINGSBAY-07JUNE2010.KTD.

5. 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).

6. ALL AZIMUTHS ARE GRID; RECKONED CLOCKWISE FROM SOUTH.

7. ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.

8. 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", OPUS PID: BBCK39

8. VERTICAL MEASUREMENTS WERE MADE USING A ROSS MODEL 835 SMART SOUNDER WITH DUAL-FREQUENCY (28/200 KHZ) TRANSDUCER. SOUNDINGS SHOWN IN ARE IN HIGH FREQUENCY FROM STA. 0+00 TO STA. 199+00 AND STA. 351+00 TO STA. 501+23 AND LOW FREQUENCY FROM STA. 200+00 TO STA. 350+00.

SURVEY VESSEL	DATE OF SURVEY	CUT
FLORIDA	20-22 SEP 2012	CUT-1N, STA 198+00 TO STA 452+00
FLORIDA	23 SEP 2012	CUT-1N, STA 453+00 TO STA 501+24 & STA 140+00 TO STA 197+00
FLORIDA	26-28 SEP 2012	CUT-1N, STA 0+00 TO STA 139+00

9. AIDS TO NAVIAGATION WERE LOCATED DURING THIS SURVEY.

10. 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.

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, 1 JAN 02 AND EM 1110-2-8056, STANDARDS AND PROCEDURES FOR REFERENCING PROJECT ELEVATION GRADES TO NATIONWIDE VERTICAL DATUMS, 31 DEC 10.

LEGEND	
•BM	BENCHMARK
	LIGHTED BEACON
	GREEN DAYBEACON
	RED DAYBEACON
	RED LIGHTED BUOY
	GREEN LIGHTED BUOY
	CAN BUOY
	NUN BUOY
	TIDE STAFF

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:
Cad by:
DWN by: F.M.W.
Inv. No.
Dated: SEP 2012

12-184-G-BS-BRDR.DGN
KBEC-NBS-V-HF.DGN

Reference files:
12-184-KBEC-VH-101.DGN
File name:

U.S. NAVY ENTRANCE CHANNEL
KINGS BAY, GEORGIA

4TH QUARTER FY12
EXAMINATION SURVEY
46 - FOOT PROJECT

INDEX, LOCATION & VICINITY MAP

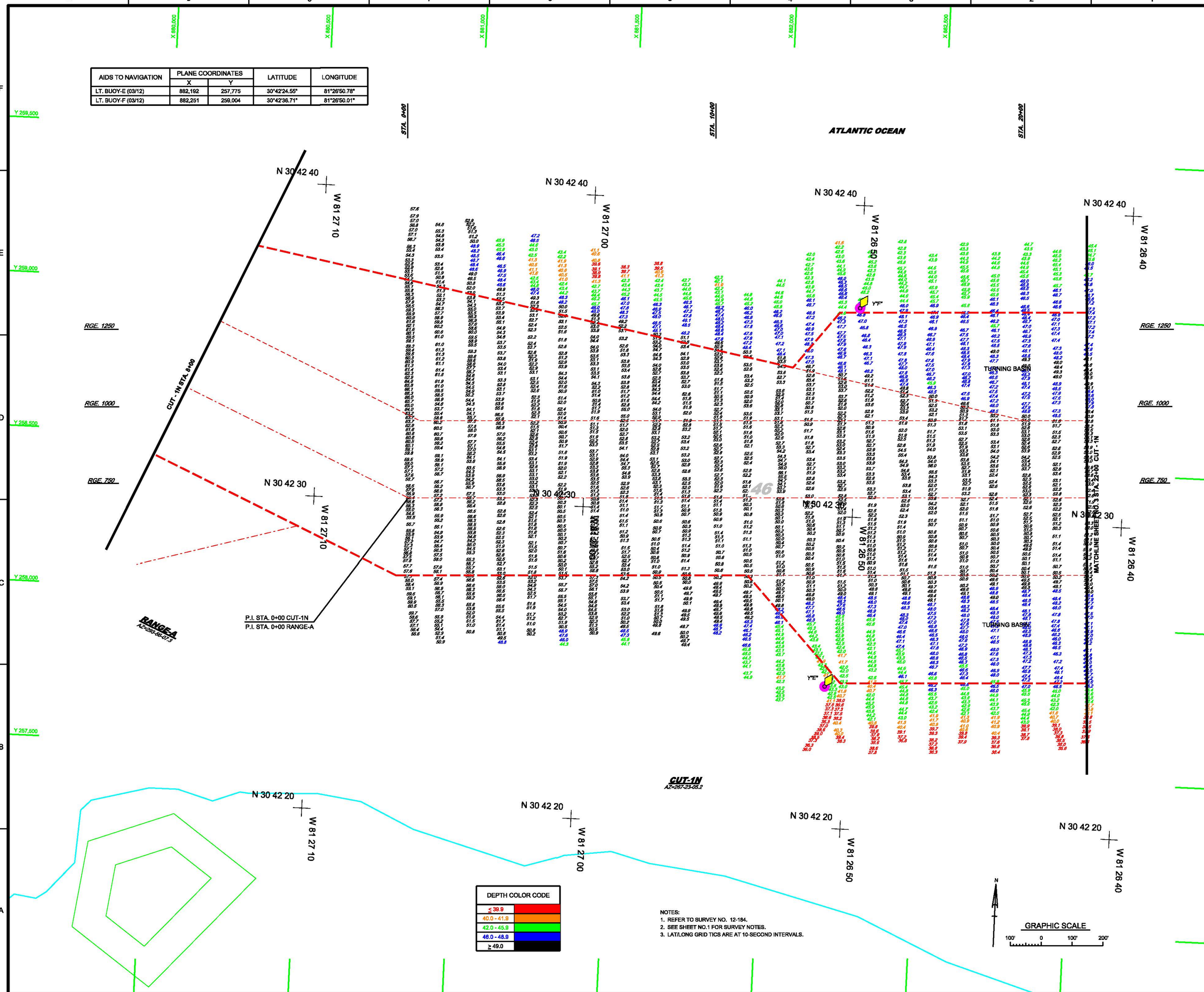
Scale: AS SHOWN

Drawing no.

V-101

SHEET 1 OF 18

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-E (03/12)	882,192	257,775	30°42'24.55"	81°26'50.78"
LT. BUOY-F (03/12)	882,251	259,004	30°42'36.71"	81°26'50.01"



DEPTH COLOR CODE
≤ 39.9
40.0 - 41.9
42.0 - 45.9
46.0 - 48.9
≥ 49.0

NOTES:
1. REFER TO SURVEY NO. 12-184.
2. SEE SHEET NO.1 FOR SURVEY NOTES.
3. LAT/LONG GRID TICS ARE AT 10-SECOND INTERVALS.

GRAPHIC SCALE
100' 0 100' 200'

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description

Designed by:
Cad by:
DWN by: F.M.W.
Ver. No.
Dated: SEP 2012

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

12-184-E-BS-BRDR.DGN
12-184-V-NAV.DGN
12-184-V-HP_CTN-XS_HF.DGN
KBTOPO83.DGN

Reference files:
12-184-KBEC-VH-102.DGN
Title name:

U.S. NAVY ENTRANCE CHANNEL
KINGS BAY, GEORGIA

4TH QUARTER FY12
EXAMINATION SURVEY
46 - FOOT PROJECT

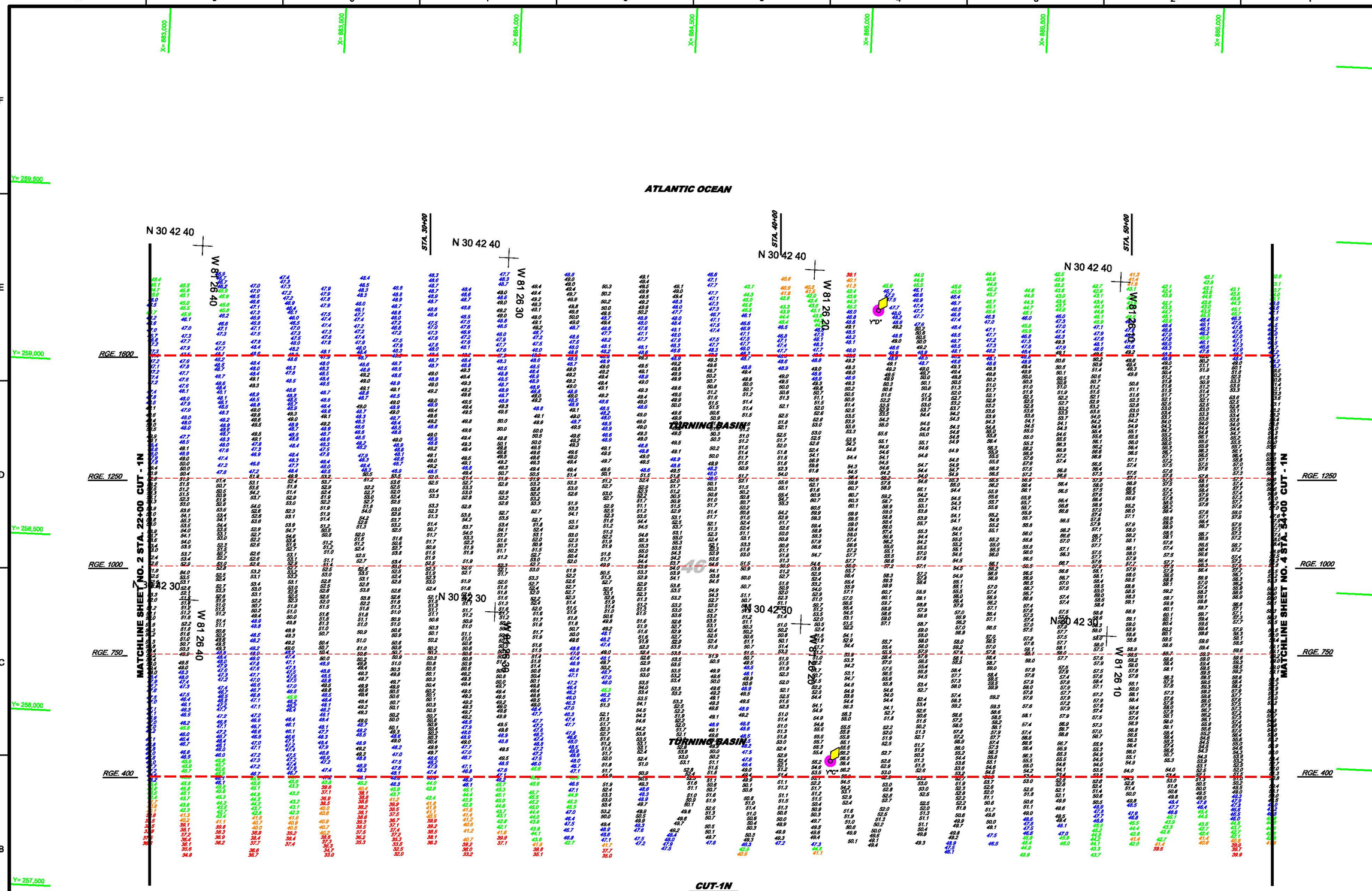
SURVEY PLAN
STA. 8+00 RANGE-A THRU STA. 22+00 CUT-1N

Scale: AS SHOWN

Drawing no.

V-102

SHEET 2 OF 18



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-C (03/12)	884,977	257,957	30°42'26.18"	81°26'18.88"
LT. BUOY-D (03/12)	885,055	259,245	30°42'38.93"	81°26'17.87"

DEPTH COLOR CODE
≤ 39.9
40.0 - 41.9
42.0 - 45.9
46.0 - 48.9
≥ 49.0

NOTES:
1. REFER TO SURVEY NO. 12-184.
2. SEE SHEET NO.1 FOR SURVEY NOTES.
3. LAT/LONG GRID TICS ARE AT 10-SECOND INTERVALS.

GRAPHIC SCALE
100' 0 100' 200'

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description

Called by:
Designed by:
DWN by: F.M.W.
Ck. by:
Date: SEP 2012

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

12-184-E-BS-BRDR.DGN
12-184-V-MAP.DGN
12-184-V-NAV.DGN
12-184-V-HP_XS_HF.DGN
KBTOPO85.DGN

Reference files:
12-184-KBEC-VH-100.DGN
File name:

U.S. NAVY ENTRANCE CHANNEL
KINGS BAY, GEORGIA

4TH QUARTER FY12
EXAMINATION SURVEY
46 - FOOT PROJECT

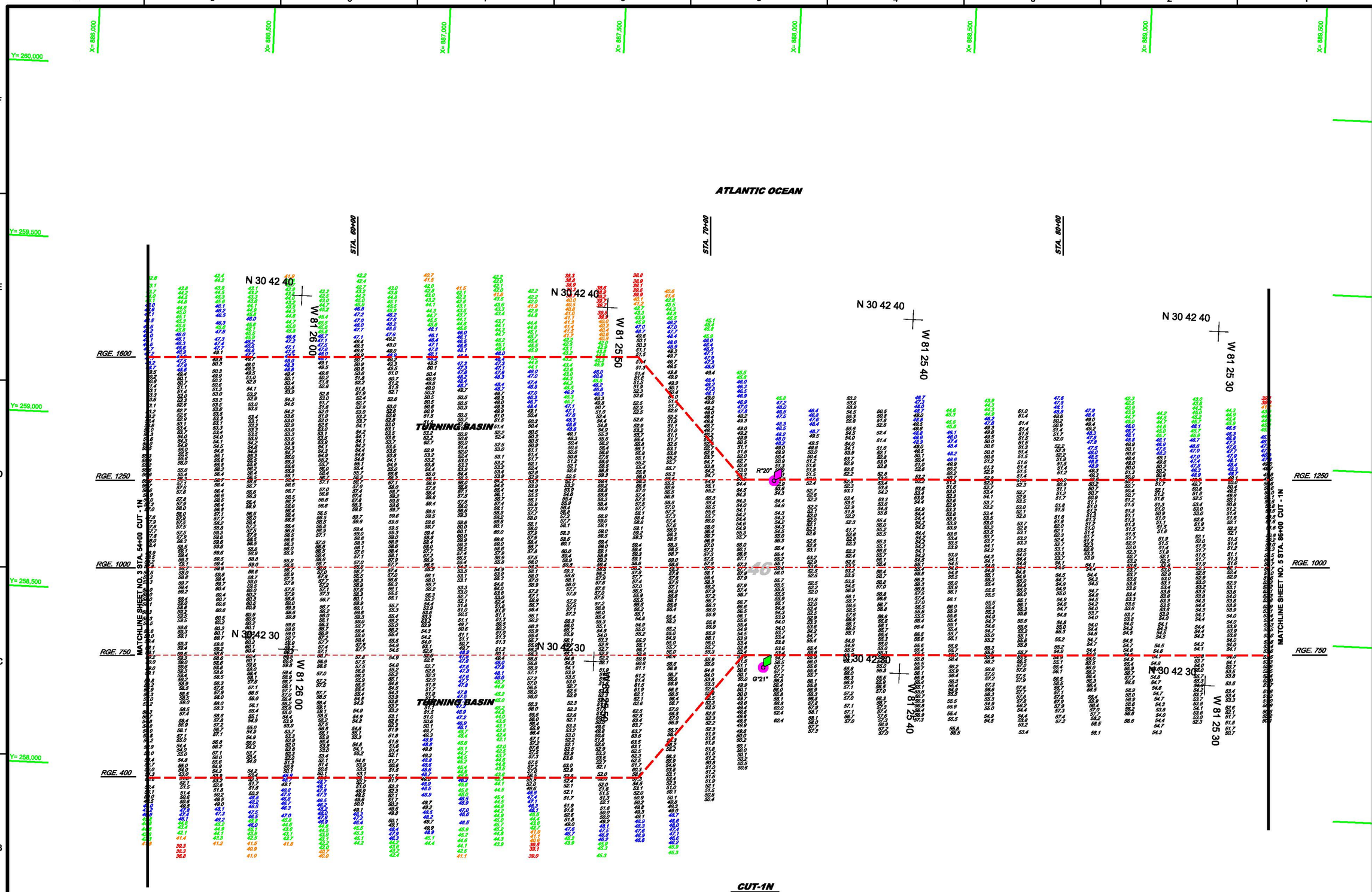
SURVEY PLAN
STA. 22+00 TO STA. 54+00 CUT - 1N

Scale: AS SHOWN

Drawing no.

V-103

SHEET 3 OF 18



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-20 (3/12)	887,985	258,898	30°42'35.30"	81°25'44.33"
LT. BUOY-21 (3/12)	887,978	258,365	30°42'30.02"	81°25'44.45"

NOTES:
1. REFER TO SURVEY NO. 12-184.
2. SEE SHEET NO.1 FOR SURVEY NOTES.
3. LAT/LONG GRID TICS ARE AT 10-SECOND INTERVALS.

DEPTH COLOR CODE
≤ 39.9
40.0 - 41.9
42.0 - 45.9
46.0 - 48.9
≥ 49.0

GRAPHIC SCALE
100' 0 100' 200'

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:
Cad by:
DWN by: F.M.W.
Ckd by:
Inv. No.
Date: SEP 2012

12-184-C-BS-BRDR.DGN
12-184-V-BASE.DGN
12-184-V-NAV.DGN
12-184-V-HP_CTN-XS_HF.DGN
KBTOPO83.DGN

Reference files:
12-184-KSEC-VH-10A.DGN
File name:

U.S. NAVY ENTRANCE CHANNEL
KINGS BAY, GEORGIA

4TH QUARTER FY12
EXAMINATION SURVEY
46 - FOOT PROJECT

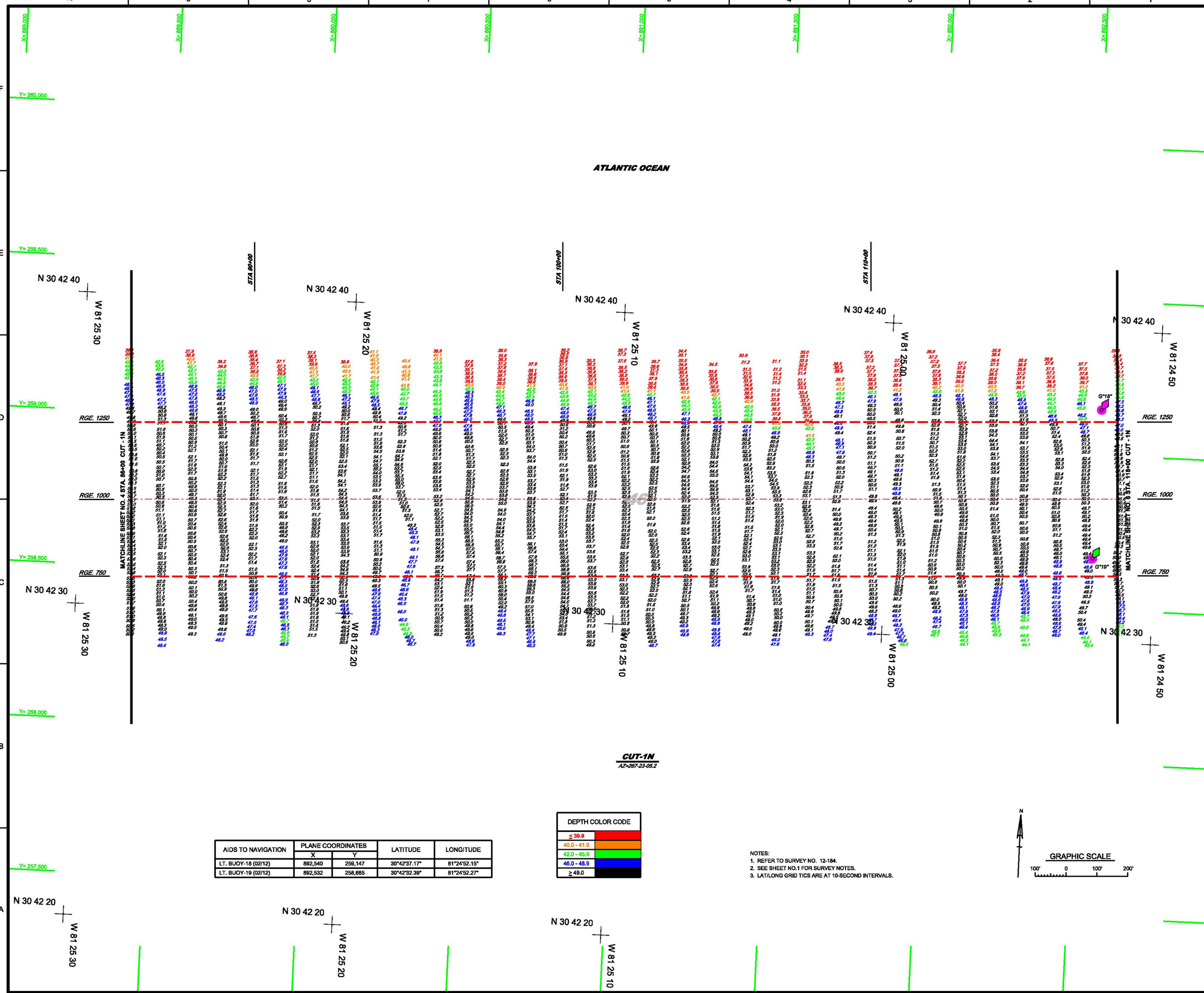
SURVEY PLAN
STA. 54+00 TO STA. 86+00 CUT - 1N

Scale: AS SHOWN

Drawing no.

V-104

SHEET 4 OF 18



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-18 (02/12)	892,540	259,147	30°42'37.17"	81°24'52.15"
LT. BUOY-19 (02/12)	892,532	258,685	30°42'32.39"	81°24'52.27"

DEPTH COLOR CODE
≤ 39.9
40.0 - 41.9
42.0 - 45.9
46.0 - 48.9
≥ 49.0

NOTES:
1. REFER TO SURVEY NO. 12-184.
2. SEE SHEET NO.1 FOR SURVEY NOTES.
3. LAT/LONG GRID TICS ARE AT 10-SECOND INTERVALS.

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:
Designed by:
DWN by: F.M.W.
Ckd by:
Inv. No.
Date: SEP 2012

12-184-K-BS-BRDR.DGN
12-184-V-MAP-FIGURE.DGN
12-184-V-NAV.DGN
12-184-V-HP_CTN-XS_HF.DGN
Reference files:
12-184-KGEC-V1-105.DGN
File name:

U.S. NAVY ENTRANCE CHANNEL
KINGS BAY, GEORGIA

47TH QUARTER FY12
EXAMINATION SURVEY
40 - FOOT PROJECT

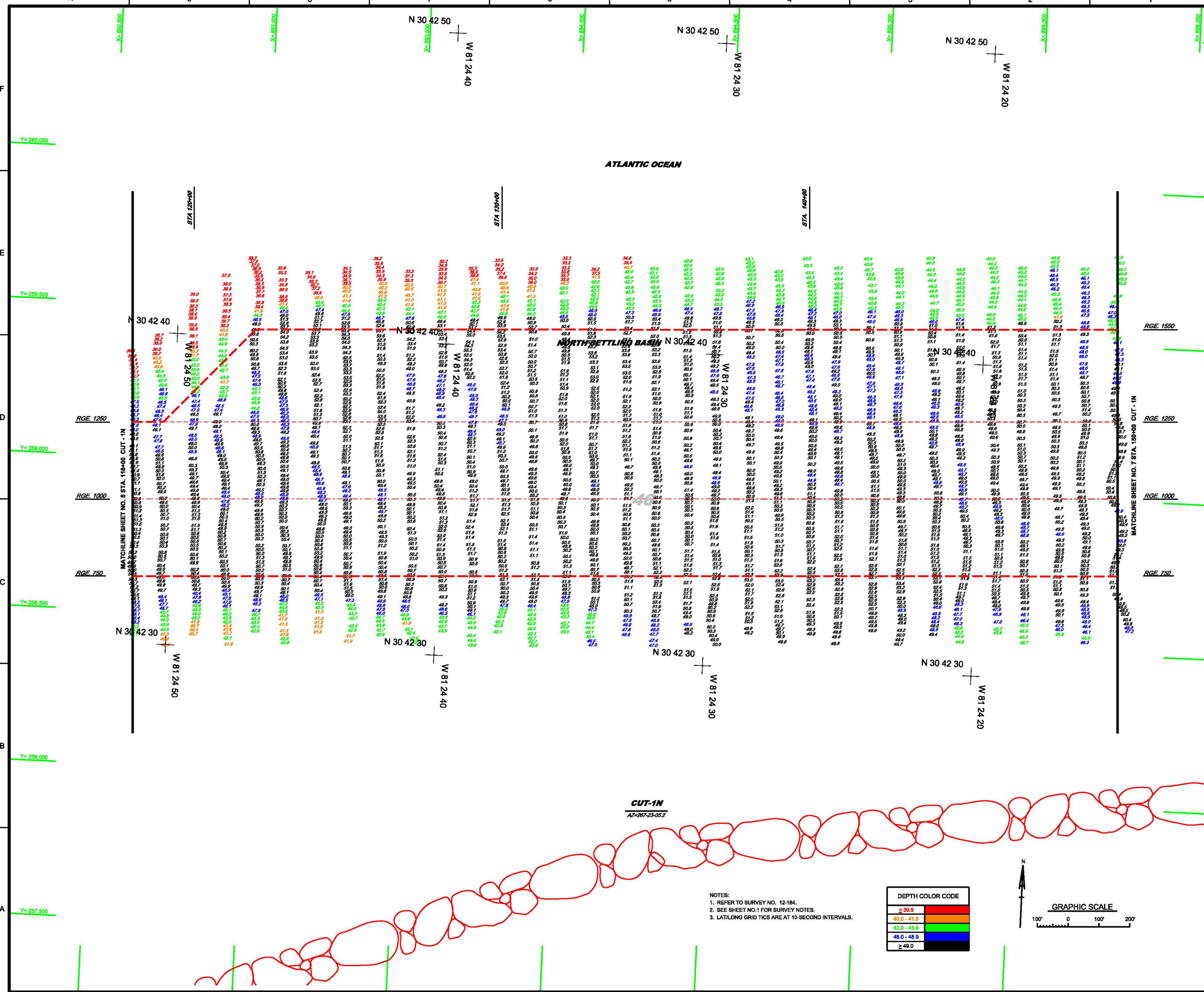
SURVEY PLAN
STA. 86+00 TO STA. 118+00 CUT - 1N

Scale: AS SHOWN

Drawing no.

V-105

SHEET 5 OF 18



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:
Designed by:
DWN by: F.M.W.
Ver. No.
Date: SEP 2012

12-184-GEB-GRID.DGN
12-184-V-HP_CHARTS.DGN
12-184-V-HP_CHNXS_HF.DGN
KBTOPO83.DGN

Reference files:
12-184-KGEC-VH-106.DGN
File name:

U.S. NAVY ENTRANCE CHANNEL
KINGS BAY, GEORGIA

4TH QUARTER FY12 EXAMINATION SURVEY 40 - FOOT PROJECT

SURVEY PLAN

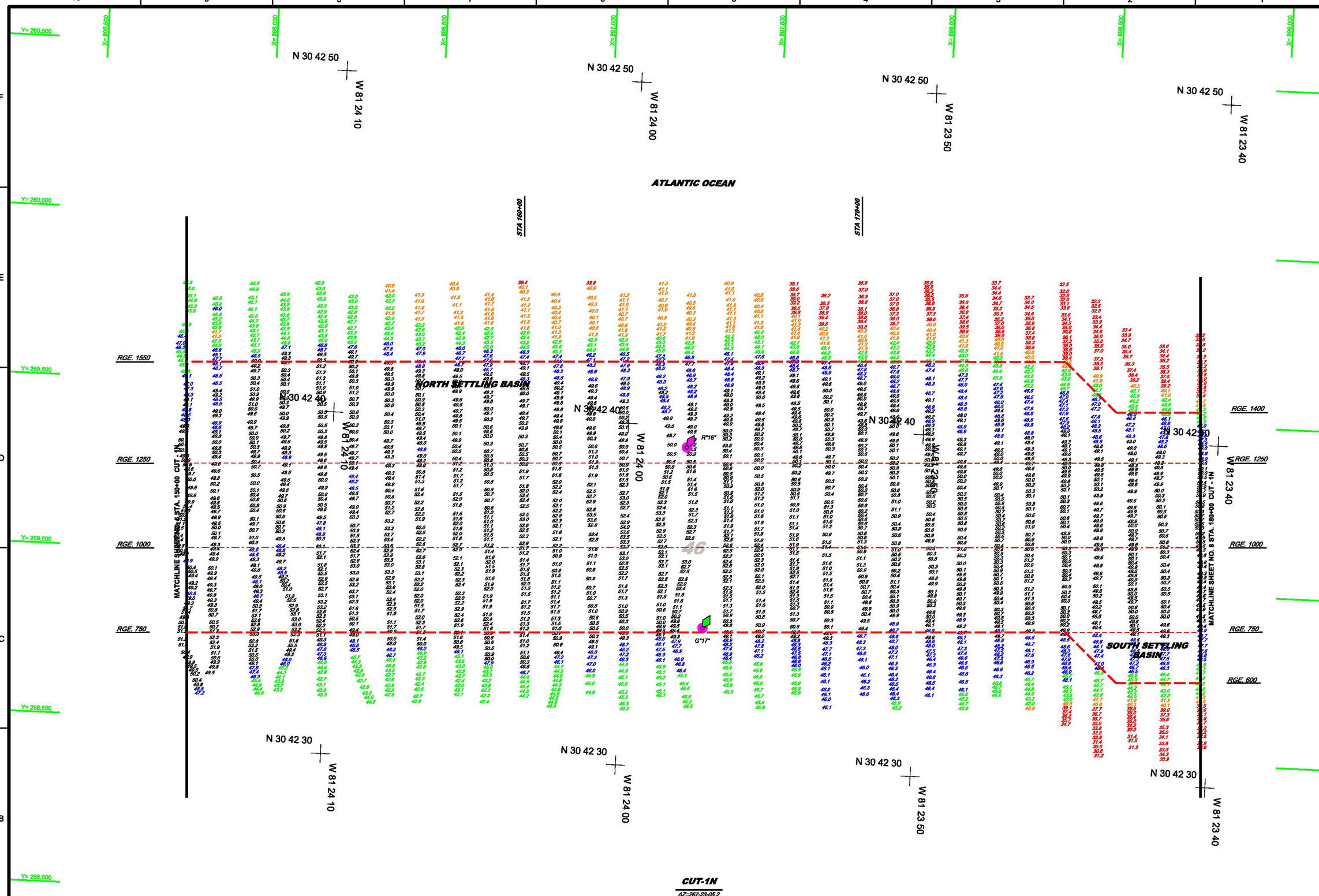
STA. 118+00 TO STA. 150+00 CUT - 1N

Scale: AS SHOWN

Drawing no.

V-106

SHEET 6 OF 18



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-16 (02/12)	897,265	259,371	30°42'39.07"	81°23'57.99"
LT. BUOY-17 (02/12)	897,335	258,841	30°42'33.61"	81°23'57.23"

DEPTH COLOR CODE
≤ 39.9
40.0 - 41.9
42.0 - 45.9
46.0 - 48.9
≥ 49.0

NOTES:
1. REFER TO SURVEY NO. 12-184.
2. SEE SHEET NO.1 FOR SURVEY NOTES.
3. LAT/LONG GRID TICS ARE AT 10-SECOND INTERVALS.

N

GRAPHIC SCALE
100' 0 100' 200'

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:
Designed by:
DWN by: F.M.W.
Ver. No.
Date: SEP 2012

12-184-C-BS-JRDR.DGN
12-184-V-NAV.DGN
12-184-V-NAV.DGN
12-184-V-HP_CTN-XS_HF.DGN
KBTOPO.DGN

Reference files:

12-184-KSEC-VH-107.DGN
File name:

U.S. NAVY ENTRANCE CHANNEL
KINGS BAY, GEORGIA

4TH QUARTER FY12
EXAMINATION SURVEY
46 - FOOT PROJECT

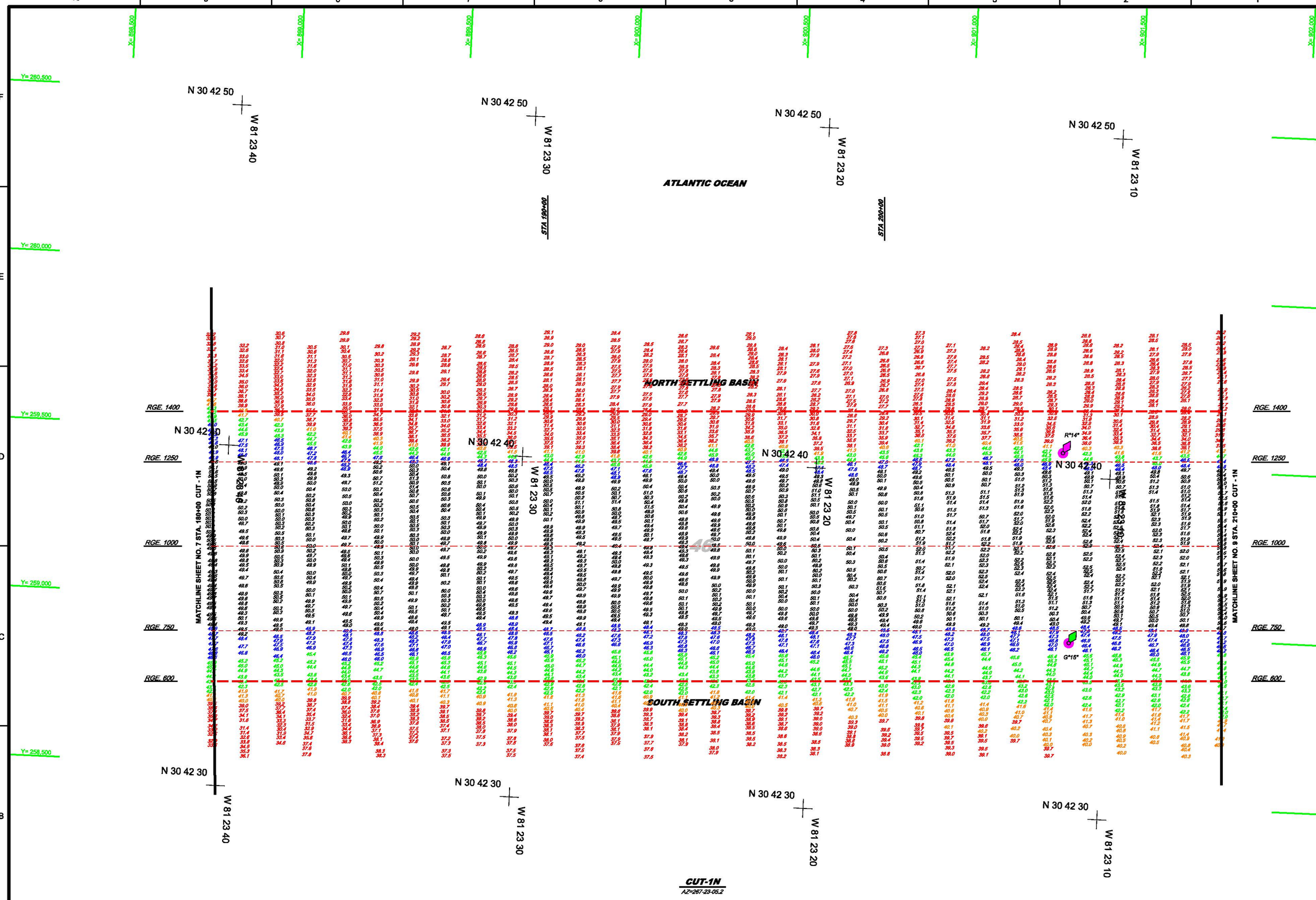
SURVEY PLAN
STA. 150+00 TO STA. 180+00 CUT - 1N

Scale: AS SHOWN

Drawing no.

V-107

SHEET 7 OF 18



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-14 (02/12)	901,311	259,536	30°42'40.71"	81°23'11.63"
LT. BUOY-15 (02/12)	901,354	258,974	30°42'35.15"	81°23'11.19"

DEPTH COLOR CODE
≤ 39.9
40.0 - 41.9
42.0 - 45.9
46.0 - 48.9
≥ 49.0

NOTES:
1. REFER TO SURVEY NO. 12-184.
2. SEE SHEET NO.1 FOR SURVEY NOTES.
3. LAT/LONG GRID TICS ARE AT 10-SECOND INTERVALS.

N

GRAPHIC SCALE
100' 0 100' 200'

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:
Designed by:
DWN by: F.M.W.
Ver. No.
Date: SEP 2012

12-184-IC-BS-BRDR.DGN
KBEC-VH-BORDER.DGN
12-184-V-NAV.DGN
12-184-V-HP_CIN-XS_HF.DGN
12-184-V-HP_CIN-XS_LF.DGN
Reference files:
12-184-KBEC-VH-108.DGN
Title name:

U.S. NAVY ENTRANCE CHANNEL
KINGS BAY, GEORGIA

4TH QUARTER FY12
EXAMINATION SURVEY
46 - FOOT PROJECT

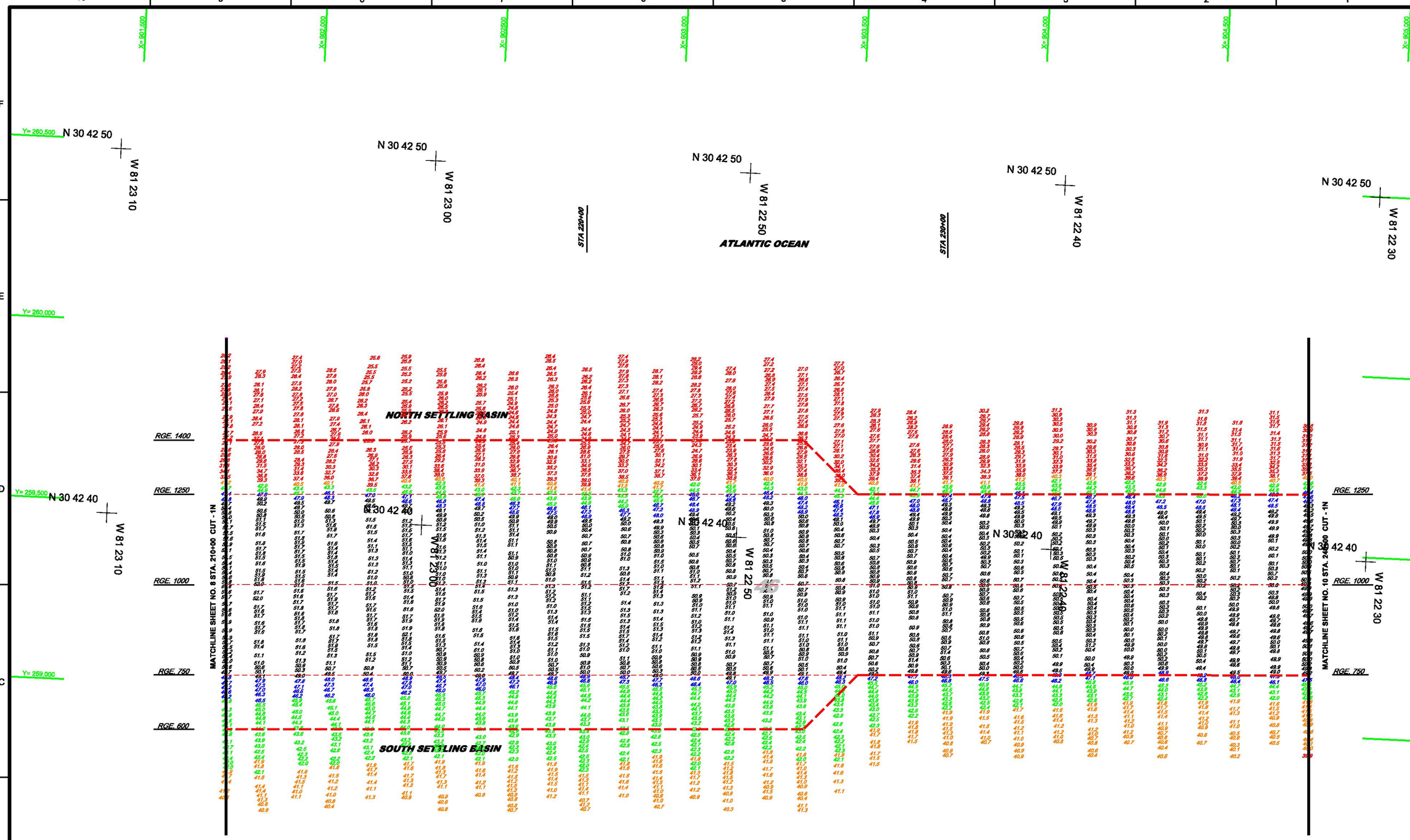
SURVEY PLAN
STA. 180+00 TO STA. 210+00 CUT - 1N

Scale: AS SHOWN

Drawing no.

V-108

SHEET 8 OF 18



DEPTH COLOR CODE
≤ 39.9
40.0 - 41.9
42.0 - 45.9
46.0 - 48.9
≥ 49.0

NOTES:
1. REFER TO SURVEY NO. 12-184.
2. SEE SHEET NO.1 FOR SURVEY NOTES.
3. LAT/LONG GRID TICS ARE AT 10-SECOND INTERVALS.

GRAPHIC SCALE
100' 0 100' 200'

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:
Cad by:
DWN by: F.M.W.
Rev. No.
Date: SEP 2012

Reference files:
12-184-G-BS-BRDR.DGN
12-184-V-HP_CHN.DGN
12-184-V-HP_CHN-XS_LF.DGN
12-184-R3EC-VH-109.DGN
File name:

U.S. NAVY ENTRANCE CHANNEL
KINGS BAY, GEORGIA

4TH QUARTER FY12
EXAMINATION SURVEY
46 - FOOT PROJECT

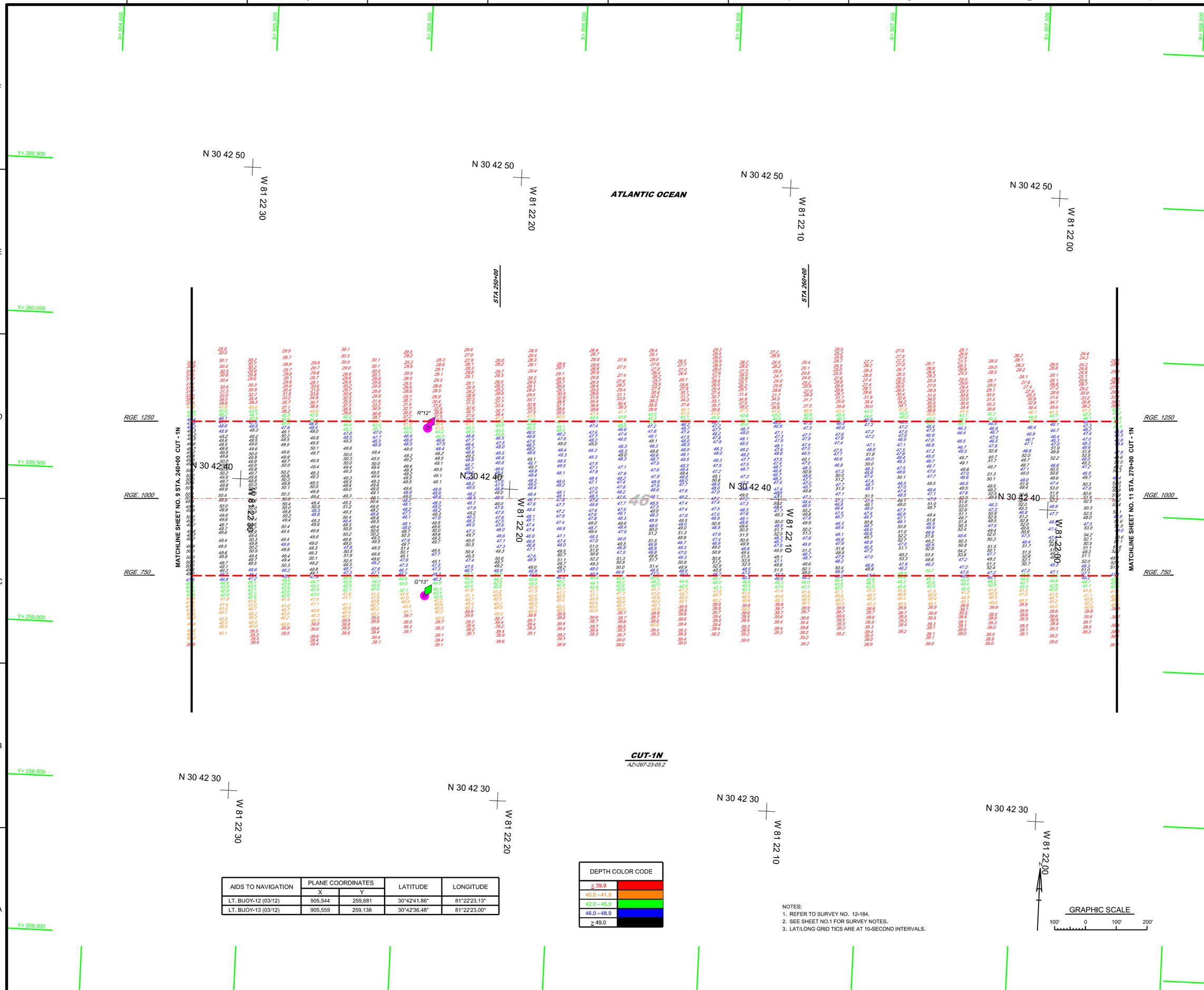
SURVEY PLAN
STA. 210+00 TO STA. 240+00 CUT - 1N

Scale: AS SHOWN

Drawing no.

V-109

SHEET 9 OF 18



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-12 (03/12)	905,544	259,681	30°42'41.86"	81°22'23.13"
LT. BUOY-13 (03/12)	905,559	259,138	30°42'36.48"	81°22'23.00"

DEPTH COLOR CODE
≤ 39.9
40.0 - 41.9
42.0 - 45.9
46.0 - 48.9
≥ 49.0

NOTES:
1. REFER TO SURVEY NO. 12-184.
2. SEE SHEET NO.1 FOR SURVEY NOTES.
3. LAT/LONG GRID TICS ARE AT 10-SECOND INTERVALS.

GRAPHIC SCALE
100' 0 100' 200'

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

Checked by:
Cad by:
Designed by:
DWN by: F.M.W.
Rev. No.:
Date: SEP 2012

Reference files:
12-184-G-BC-GRID.DGN
12-184-H-BS-GRID.DGN
12-184-V-NAV.DGN
12-184-V-HP_C1N-XS_LF.DGN
12-184-BECx-V-H-110.DGN

U.S. NAVY ENTRANCE CHANNEL
KINGS BAY, GEORGIA

4TH QUARTER FY12
EXAMINATION SURVEY
46 - FOOT PROJECT

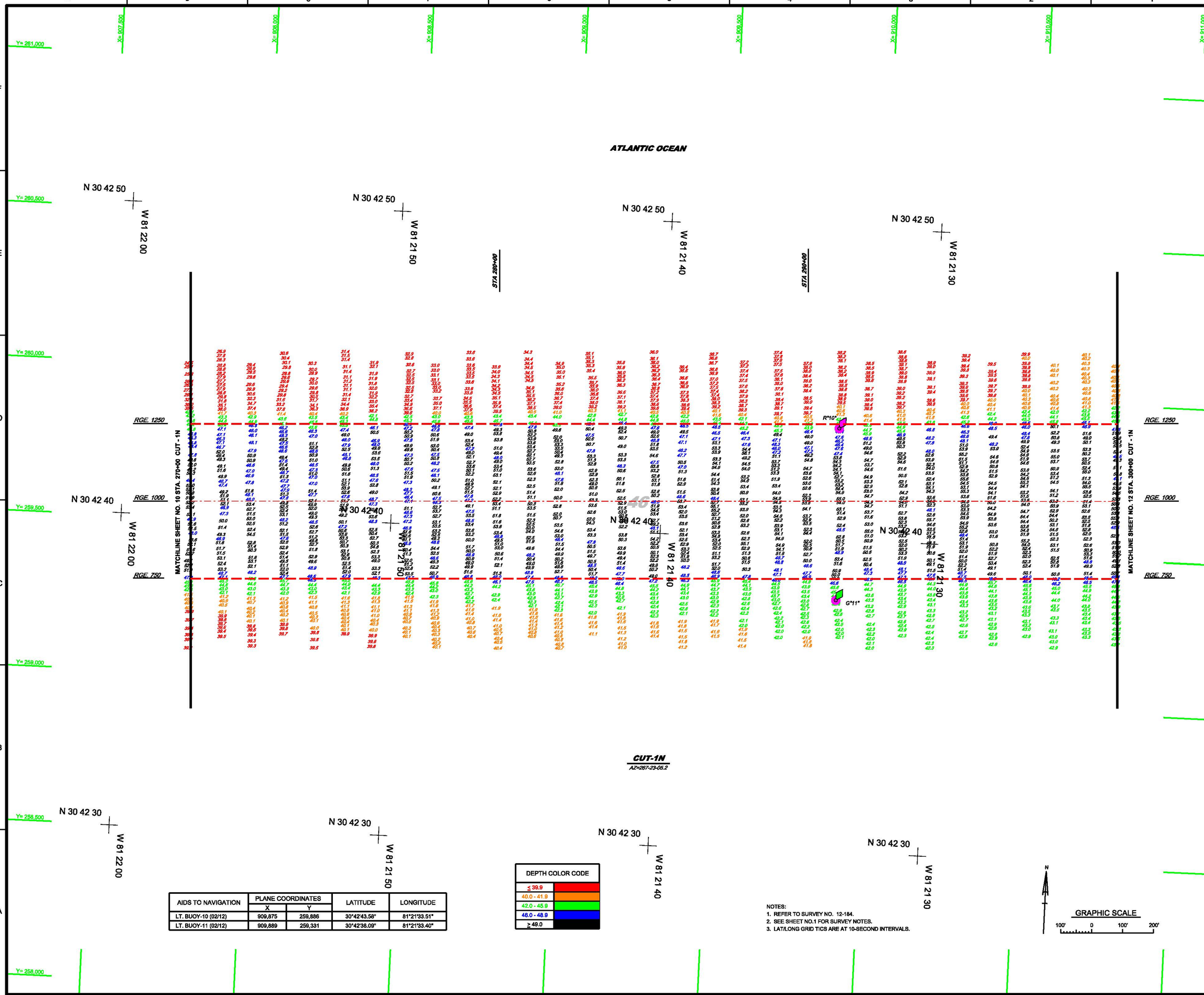
SURVEY PLAN
STA. 240+00 TO STA. 270+00 CUT - 1N

Scale: AS SHOWN

Drawing no.

V-110

SHEET 10 OF 18



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-10 (02/12)	909,875	259,886	30°42'43.58"	81°21'33.51"
LT. BUOY-11 (02/12)	909,889	259,331	30°42'38.09"	81°21'33.40"

DEPTH COLOR CODE
≤ 39.9
40.0 - 41.9
42.0 - 45.9
46.0 - 48.9
≥ 49.0

NOTES:
1. REFER TO SURVEY NO. 12-184.
2. SEE SHEET NO.1 FOR SURVEY NOTES.
3. LAT/LONG GRID TICS ARE AT 10-SECOND INTERVALS.

GRAPHIC SCALE
100' 0 100' 200'

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:
Designed by:
DWN by: F.M.W.
Rev. No.
Date: SEP 2012

12-184-G-BS-BRDR.DGN
12-184-V-SHEET.DGN
12-184-V-NAV.DGN
12-184-V-HP_CTN-XS_LF.DGN

Reference files:
12-184-R3EC-VH-111.DGN
File name:

U.S. NAVY ENTRANCE CHANNEL
KINGS BAY, GEORGIA

4TH QUARTER FY12
EXAMINATION SURVEY
46 - FOOT PROJECT

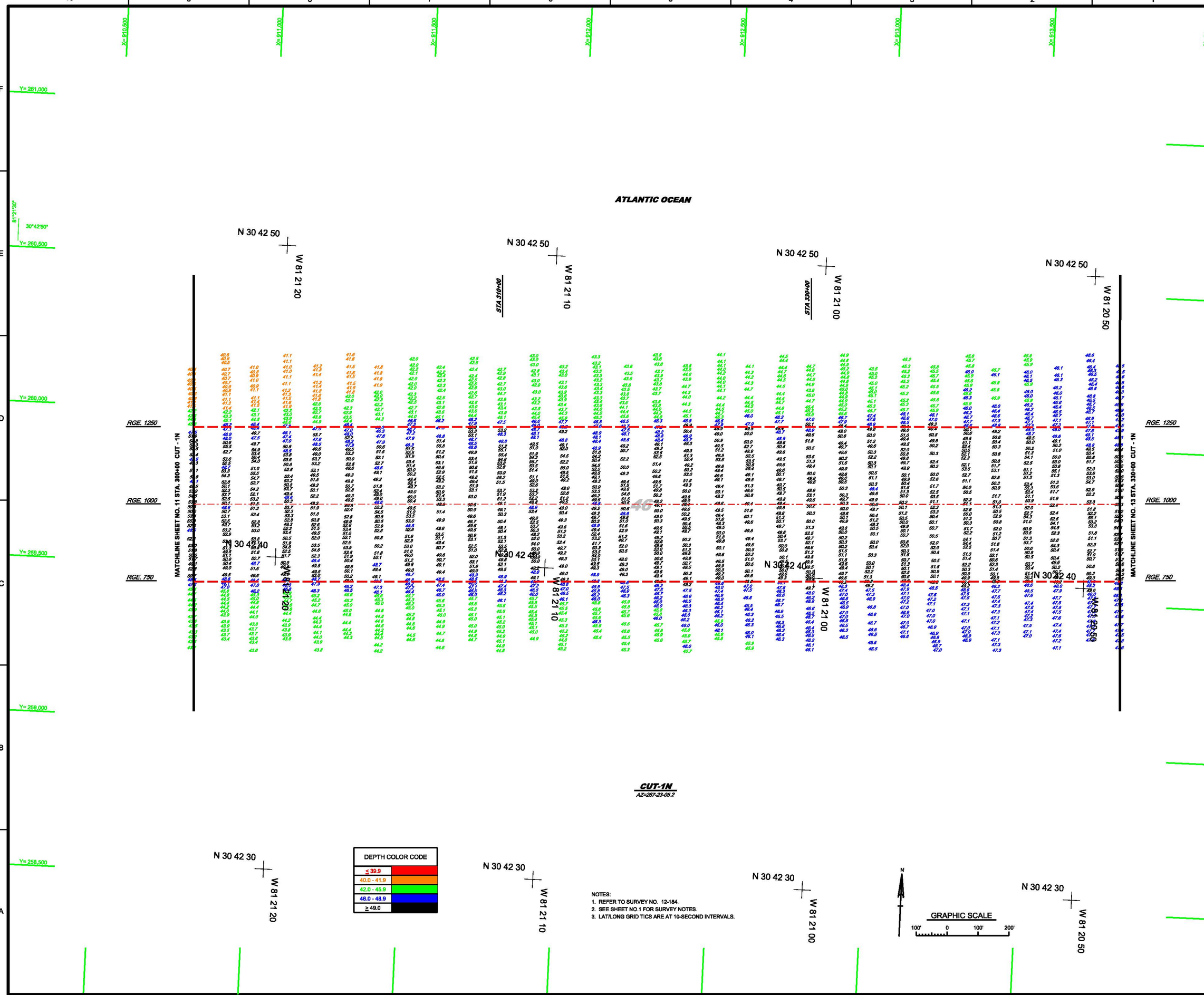
SURVEY PLAN
STA. 270+00 TO STA. 300+00 CUT - 1N

Scale: AS SHOWN

Drawing no.

V-111

SHEET 11 OF 18



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: F.M.W.
Ver. No.
Date: SEP 2012

12-184-C-BS-HROK.DGN
12-184-V-HP_C1N-300_LF.DGN
12-184-V-HP_C1N-302_LF.DGN

Reference files:
12-184-KSEC-V1-112.DGN
File name:

U.S. NAVY ENTRANCE CHANNEL
KINGS BAY, GEORGIA

4TH QUARTER FY12
EXAMINATION SURVEY
46 - FOOT PROJECT

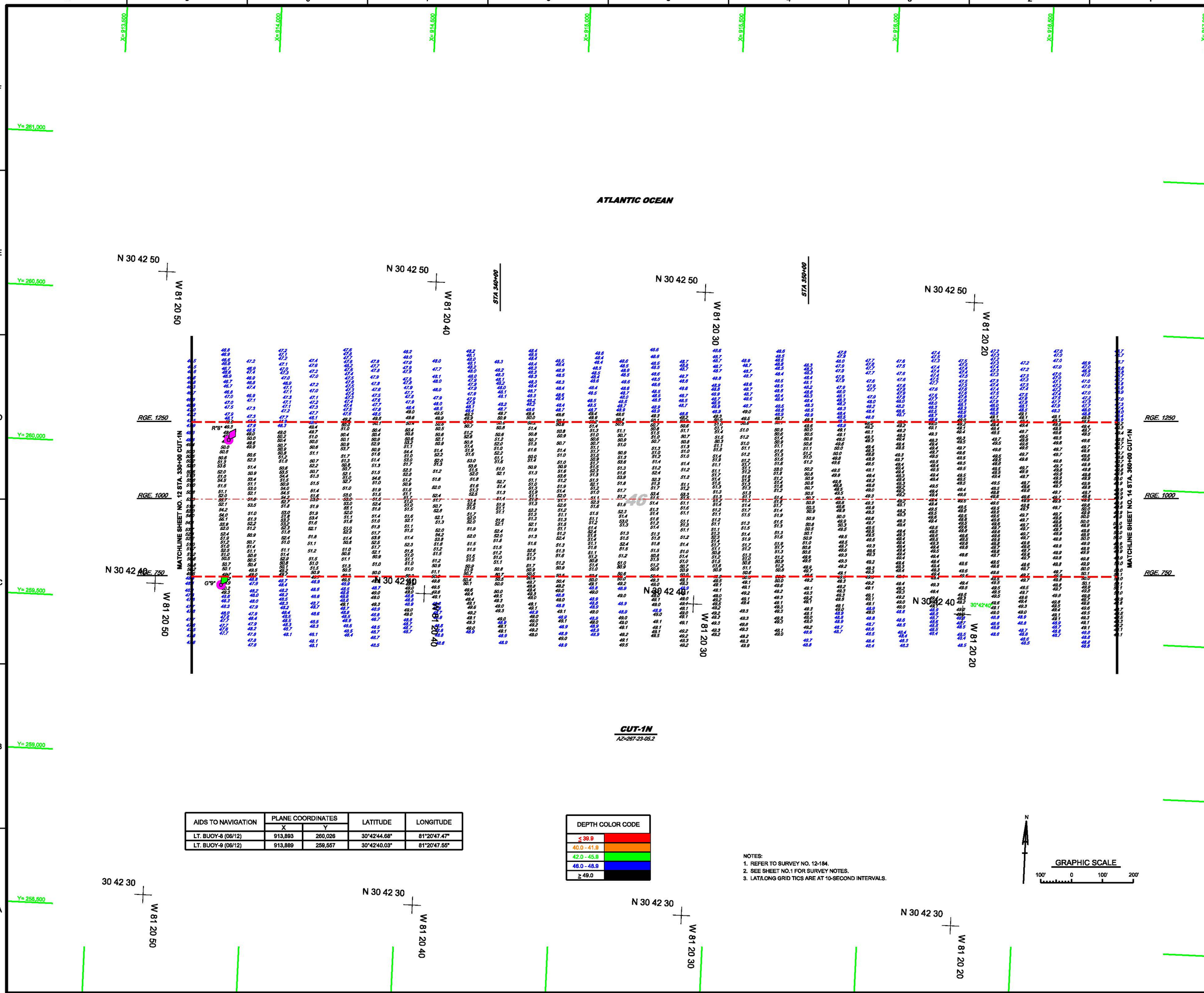
SURVEY PLAN
STA. 300+00 TO STA. 330+00 CUT - 1N

Scale: AS SHOWN

Drawing no.

V-112

SHEET 12 OF 18



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-8 (06/12)	913,893	260,026	30°42'44.68"	81°20'47.47"
LT. BUOY-9 (06/12)	913,889	259,557	30°42'40.03"	81°20'47.55"

DEPTH COLOR CODE
≤ 39.9
40.0 - 41.9
42.0 - 45.9
46.0 - 48.9
≥ 49.0

NOTES:
1. REFER TO SURVEY NO. 12-184.
2. SEE SHEET NO.1 FOR SURVEY NOTES.
3. LAT/LONG GRID TICS ARE AT 10-SECOND INTERVALS.

N

GRAPHIC SCALE
100' 0 100' 200'

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:
Cad by:
DWN by: F.M.W.
Ckd by:
Inv. No.
Date: SEP 2012

12-184-C-BS-BRDR.DGN
12-184-V-MAP-V-01.DGN
12-184-V-NAV.DGN
12-184-V-HP_CHN-XS_HF.DGN
12-184-V-HP_CHN-XS_LF.DGN

Reference files:

12-184-KBEC-VH-113.DGN
File name:

U.S. NAVY ENTRANCE CHANNEL
KINGS BAY, GEORGIA

4TH QUARTER FY12
EXAMINATION SURVEY
46 - FOOT PROJECT

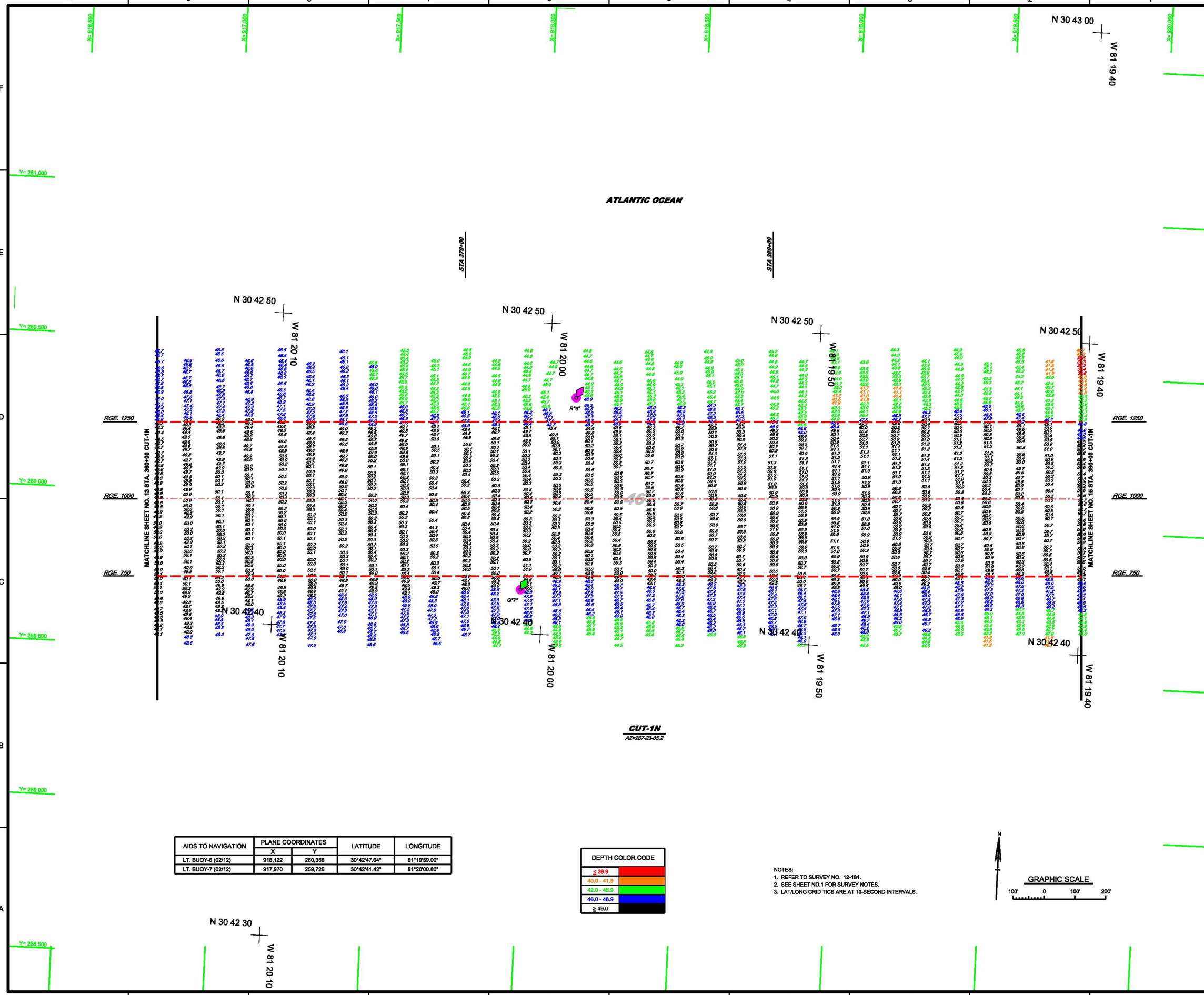
SURVEY PLAN
STA. 330+00 TO 360+00 CUT - 1N

Scale: AS SHOWN

Drawing no.

V-113

SHEET 13 OF 18



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-6 (02/12)	918,122	260,356	30°42'47.64"	81°19'59.00"
LT. BUOY-7 (02/12)	917,970	259,726	30°42'41.42"	81°20'00.80"

DEPTH COLOR CODE
≤ 39.9
40.0 - 41.9
42.0 - 45.9
46.0 - 48.9
≥ 49.0

NOTES:
1. REFER TO SURVEY NO. 12-184.
2. SEE SHEET NO.1 FOR SURVEY NOTES.
3. LAT/LONG GRID TICS ARE AT 10-SECOND INTERVALS.

N

GRAPHIC SCALE
100' 0 100' 200'

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:
Designed by:
DWN by: F.M.W.
Ver. No.
Date: SEP 2012

Reference files:
12-184-C-BS-BRDR.DGN
12-184-V-HAS-HYD.DGN
12-184-V-NAV.DGN
12-184-V-HP_CTN-XS_HF.DGN

12-184-KBEC-W1-114.DGN
File name:

U.S. NAVY ENTRANCE CHANNEL
KINGS BAY, GEORGIA

4TH QUARTER FY12
EXAMINATION SURVEY
46 - FOOT PROJECT

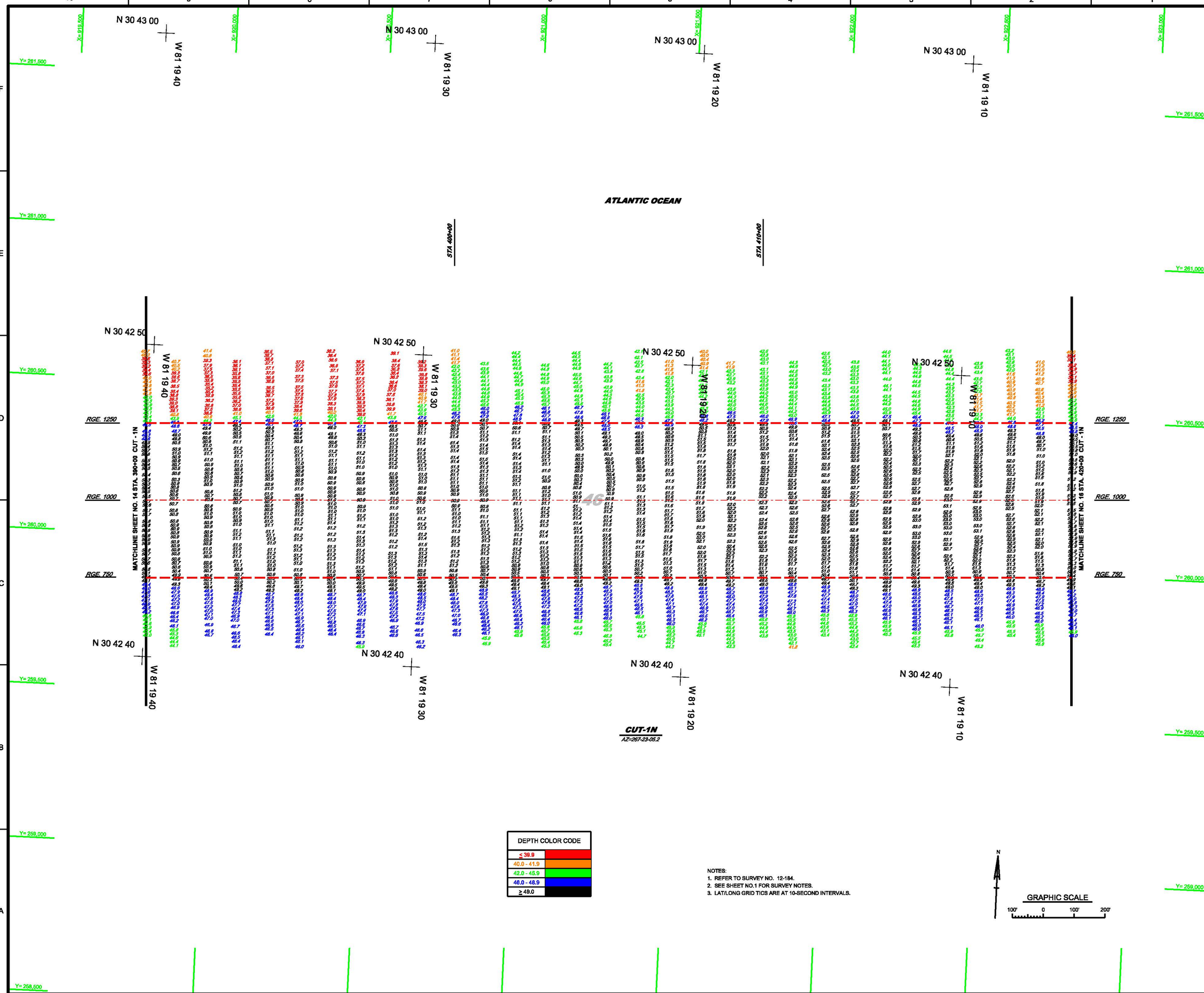
SURVEY PLAN
STA. 360+00 TO STA. 390+00 CUT - 1N

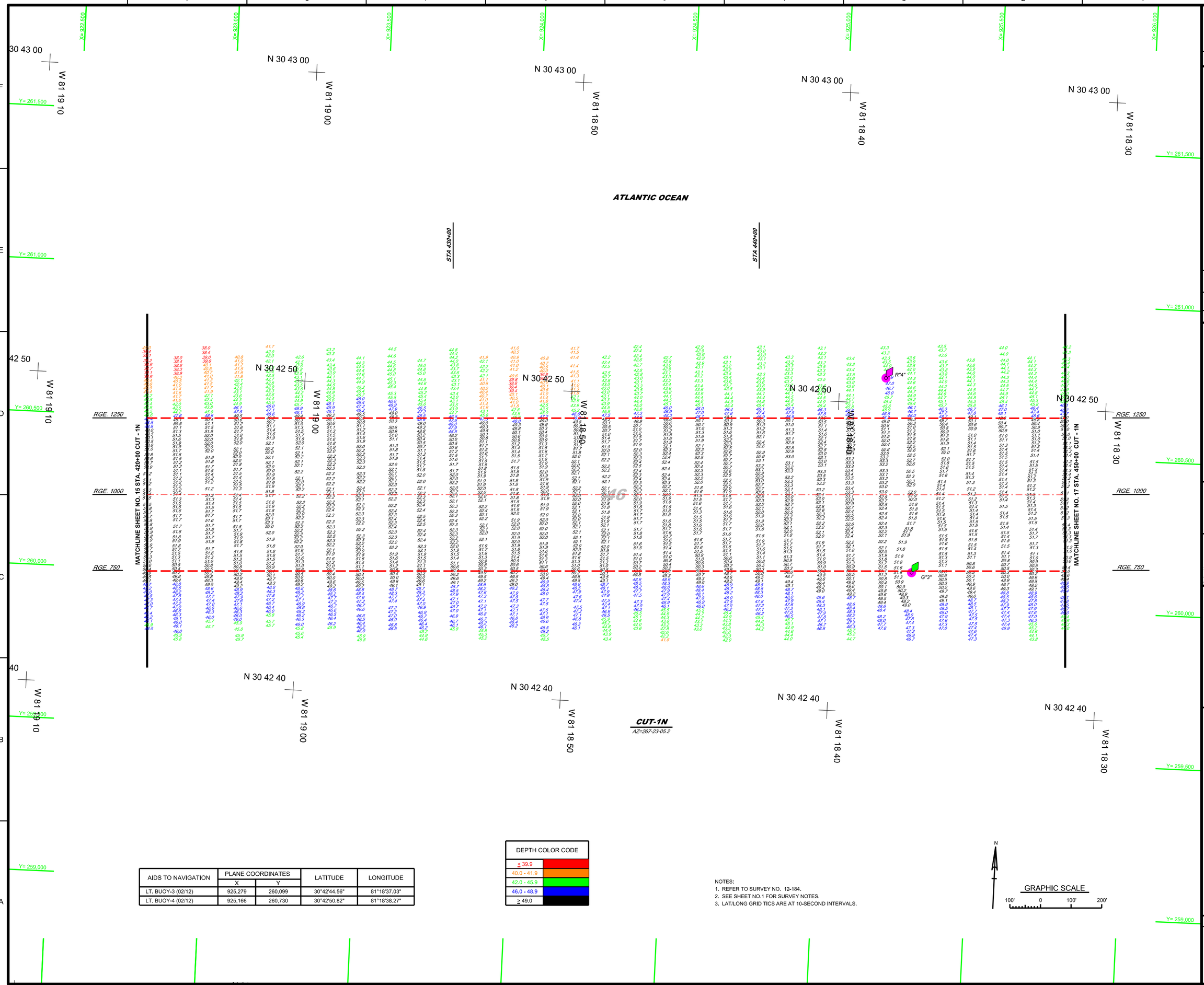
Scale: AS SHOWN

Drawing no.

V-114

SHEET 14 OF 18


ATLANTIC OCEAN
STA 400+00
STA 410+00
N 30 43 00
W 81 19 40
W 81 19 30
W 81 19 20
W 81 19 10
N 30 42 50
N 30 42 40
RGE. 1250
RGE. 1000
RGE. 750
MATCHLINE SHEET NO. 14 STA. 390+00 CUT - 1N
MATCHLINE SHEET NO. 16 STA. 420+00 CUT - 1N
CUT-1N
AZ=267-23-05.2
Y= 261,500
Y= 261,000
Y= 260,500
Y= 260,000
Y= 259,500
Y= 259,000
Y= 258,500
X= 919,500
X= 920,000
X= 920,500
X= 921,000
X= 921,500
X= 922,000
X= 922,500
X= 923,000
DEPTH COLOR CODE
≤ 39.9
40.0 - 41.9
42.0 - 45.9
46.0 - 48.9
≥ 49.0
NOTES:
1. REFER TO SURVEY NO. 12-184.
2. SEE SHEET NO.1 FOR SURVEY NOTES.
3. LAT/LONG GRID TICS ARE AT 10-SECOND INTERVALS.
N
GRAPHIC SCALE
100' 0 100' 200'
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:
Cad by:
DWN by: F.M.W.
Inv. No.
Date: SEP 2012
12-184-C-BS-HROLOGN
12-184-V-HP_CHN-NS.DGN
12-184-V-HP_CHN-NS_HF.DGN
Reference files:
12-184-KSEC-VH-115.DGN
File name:
U.S. NAVY ENTRANCE CHANNEL
KINGS BAY, GEORGIA
4TH QUARTER FY12
EXAMINATION SURVEY
46 - FOOT PROJECT
SURVEY PLAN
STA. 390+00 TO STA. 420+00 CUT - 1N
Scale: AS SHOWN
Drawing no.
V-115
SHEET 15 OF 18



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-3 (02/12)	925,279	260,099	30°42'44.56"	81°18'37.03"
LT. BUOY-4 (02/12)	925,166	260,730	30°42'50.82"	81°18'38.27"

DEPTH COLOR CODE
≤ 39.9
40.0 - 41.9
42.0 - 45.9
46.0 - 48.9
≥ 49.0

NOTES:
1. REFER TO SURVEY NO. 12-184.
2. SEE SHEET NO.1 FOR SURVEY NOTES.
3. LAT/LONG GRID TICS ARE AT 10-SECOND INTERVALS.

GRAPHIC SCALE
100' 0 100' 200'

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:
Cad by:
DWN by: F.M.W.
Rev. No.:
Date: SEP 2012

Reference files:
12-184-C-BS-GRID.DGN
12-184-A-HS-GRID.DGN
12-184-V-NAV.DGN
12-184-V-HP_C1N-XS_HF.DGN
12-184-B-EC-V1H-116.DGN

U.S. NAVY ENTRANCE CHANNEL
KINGS BAY, GEORGIA

4TH QUARTER FY12
EXAMINATION SURVEY
46 - FOOT PROJECT

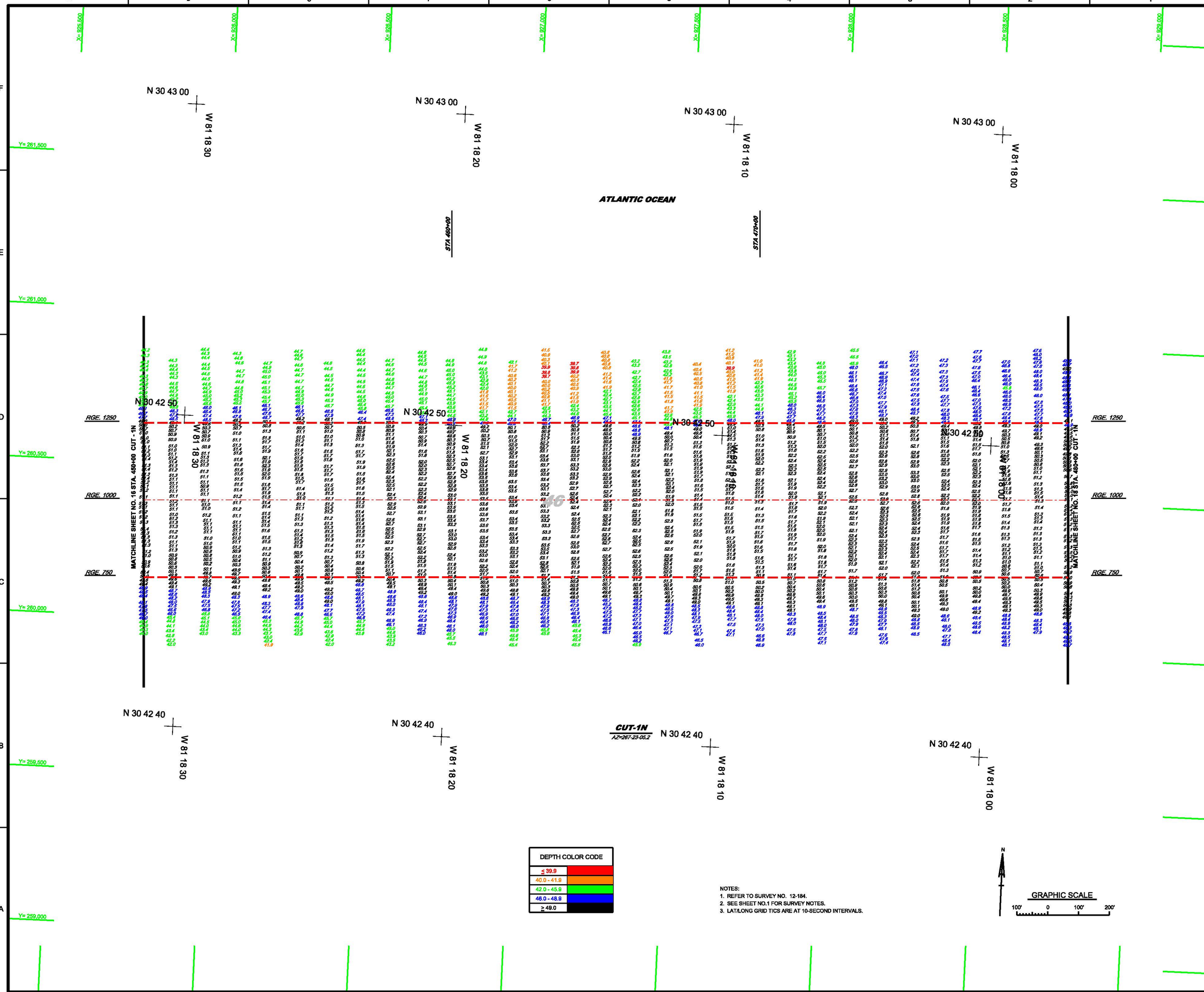
SURVEY PLAN
STA. 420+00 TO STA. 450+00 CUT - 1N

Scale: AS SHOWN

Drawing no.

V-116

SHEET 16 OF 18



DEPTH COLOR CODE	
≤ 39.9	
40.0 - 41.9	
42.0 - 45.9	
46.0 - 48.9	
≥ 49.0	

NOTES:
1. REFER TO SURVEY NO. 12-184.
2. SEE SHEET NO.1 FOR SURVEY NOTES.
3. LAT/LONG GRID TICS ARE AT 10-SECOND INTERVALS.

GRAPHIC SCALE
100' 0 100' 200'

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:
Cad by:
DWN by: F.M.W.
Ck by:
Inv. No.
Date: SEP 2012

12-184-G-BS-2RIPDR.DGN
12-184-V-HP-CHN-01-02.TIF
12-184-V-HP_CHN-NS_HF.DGN
Reference files:
12-184-KSEC-VH-117.DGN
File name:

U.S. NAVY ENTRANCE CHANNEL
KINGS BAY, GEORGIA

4TH QUARTER FY12
EXAMINATION SURVEY
46 - FOOT PROJECT

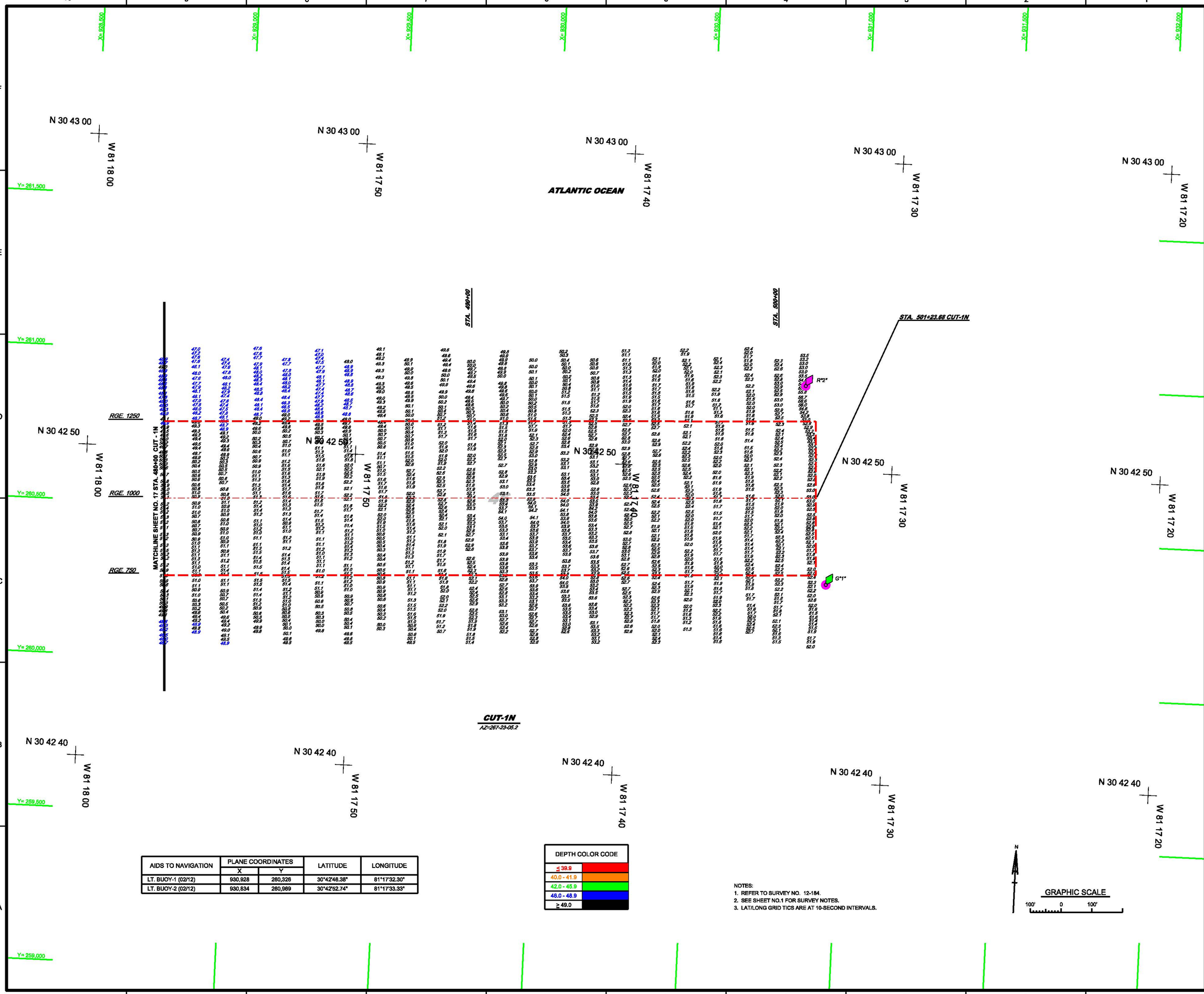
SURVEY PLAN
STA. 450+00 TO STA. 480+00 CUT - 1N

Scale: AS SHOWN

Drawing no.

V-117

SHEET 17 OF 18



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-1 (02/12)	930,928	260,326	30°42'48.38"	81°17'32.30"
LT. BUOY-2 (02/12)	930,834	260,969	30°42'52.74"	81°17'33.33"

DEPTH COLOR CODE
≤ 39.9
40.0 - 41.9
42.0 - 45.9
46.0 - 48.9
≥ 49.0

NOTES:
1. REFER TO SURVEY NO. 12-184.
2. SEE SHEET NO.1 FOR SURVEY NOTES.
3. LAT/LONG GRID TICS ARE AT 10-SECOND INTERVALS.

N

GRAPHIC SCALE
100' 0 100'

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 file:
Designed by:
DWN by: F.M.W.
Ver. No.
Dated: SEP 2012

Reference files:
12-184-G-BS-BRDR.DGN
KINGS-BAY-HAFF.DGN
12-184-V-NAV.DGN
12-184-V-HP_CTN-XS_HF.DGN

12-184-KGEC-VH-118.DGN
File name:

U.S. NAVY ENTRANCE CHANNEL
KINGS BAY, GEORGIA

4TH QUARTER FY12
EXAMINATION SURVEY
46 - FOOT PROJECT

SURVEY PLAN
STA. 480+00 TO 501+24 CUT - 1N

Scale: AS SHOWN

Drawing no.

V-118

SHEET 18 OF 18