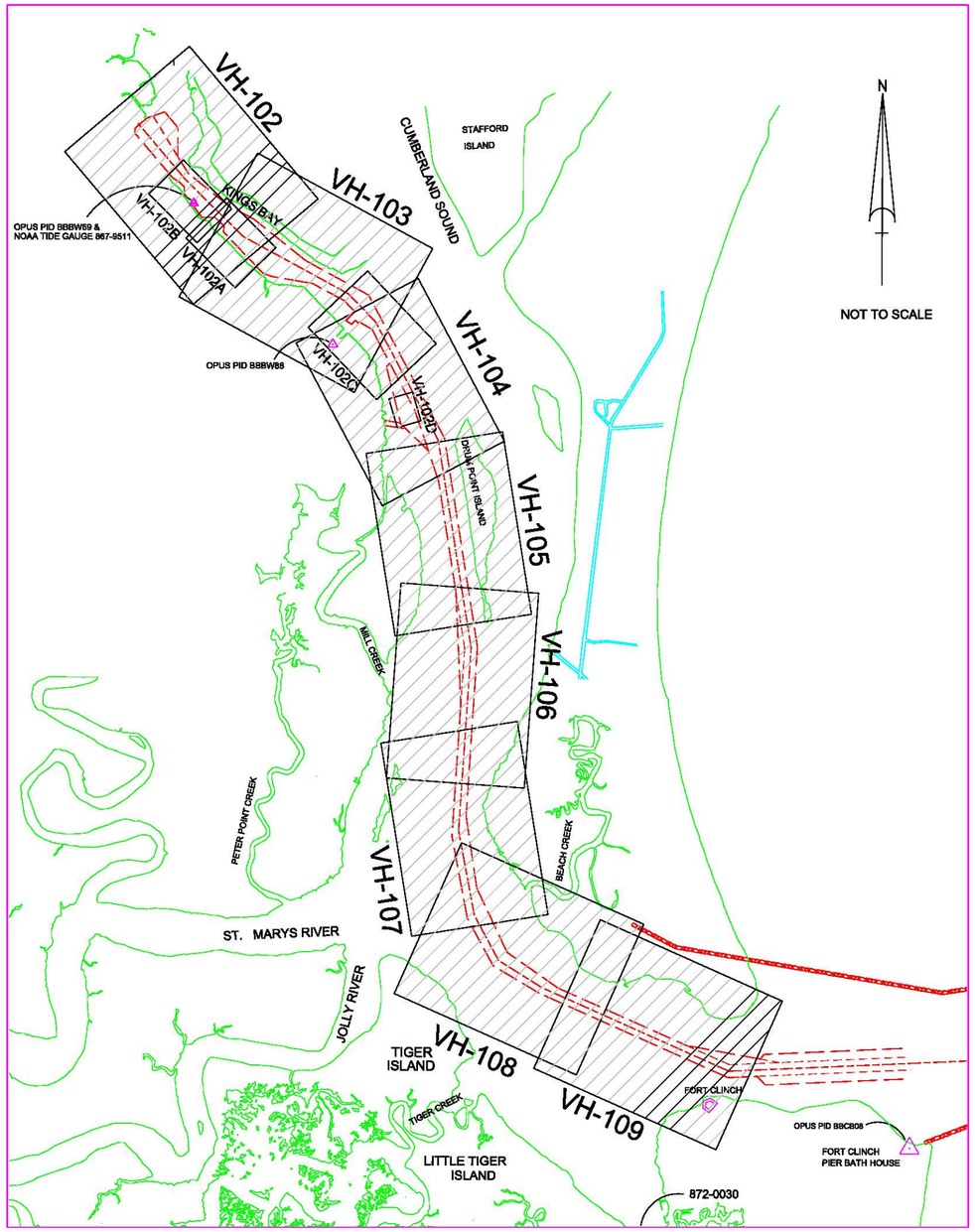
U.S. NAVY SUBMARINE BASE
KINGS BAY, GEORGIA
KINGS BAY INNER CHANNEL
HYDROGRAPHIC EXAM SURVEY
4TH QUARTER FY12



LOCATION MAP

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

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

SURVEY NOTES:

1. REFER TO SURVEY NO. 12-185.
2. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER (MLLW) TIDAL DATUM.
3. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGN.
4. TIDAL REDUCTIONS FOR RGE-G, STA 39+200 THRU RGE-I, 41+175 (INSIDE SECURITY FENCE) WERE OBTAINED UTILIZING REAL-TIME KINEMATIC GPS WITH A MLLW TO NAVD88 RELATIONSHIP OF -4.14'. TIDAL REDUCTIONS FOR RGE-D, STA 25+000 THRU RGE-G, STA 39+016 (OUTSIDE SECURITY FENCE) WERE OBTAINED UTILIZING REAL-TIME KINEMATIC (RTK) GPS USING A HYPACK KINEMATIC TIDAL DATUM MODEL (KINGSBAY-07JUNE2010.KTD).
5. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE EAST ZONE OF GEORGIA AND REFERENCED TO NORTH AMERICAN DATUM OF 1983 (NAD83).
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 (RTK) GPS POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATIONS:

   REFERENCE BASE LOCATED AT "BATH HOUSE ARP" (OPUS PID # BBCB08), FOR RANGE-A THRU RANGE-C.

   REFERENCE BASE LOCATED AT "SITE-6" (OPUS PID # BBBW88), FOR RANGE-D THRU RANGE-G (OUTSIDE WRA).

   REFERENCE BASE LOCATED AT "9511-F" (OPUS PID # BBBW69), FOR RANGE-G THRU RANGE-I (INSIDE WRA).
9. DEPTHS DEPICTED BY THIS SURVEY ARE REFERENCED TO MLLW, 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 BENCH MARKS ASSOCIATED WITH THE TIDE GAUGE SITES SPECIFIED BELOW:

   NOAA TIDAL STATION 872-0030, FERNANDINA, FL, FOR RANGE-A THRU RANGE-G (OUTSIDE WRA)

   NOAA TIDAL STATION 867-9511, KINGS BAY, GA, FOR RGE-G THRU RGE-I (INSIDE WRA)
10. VERTICAL MEASUREMENTS WERE MADE USING A RESON 8101 MULTIBEAM SYSTEM AND A ROSS MODEL 835 SMARTSOUNDER WITH A DUAL-FREQUENCY (24-200KHZ) TRANSDUCER. SOUNDINGS SHOWN ARE IN HIGH FREQUENCY FROM RANGE-A THRU RANGE-D AND LOW FREQUENCY FROM RANGE-E THRU RANGE-I.

VESSEL	DATE OF SURVEY	CUT
SB-36	13 SEP 2012	RGE-D, STA 22+547 00 TO STA 25+400
SB-36	14-15 SEP 2012	RGE - G, STA 39+200 THRU RGE-I & REFIT WHARF
SB-36	18 SEP 2012	RGE - A, STA 0+000 TO STA 5+700
SB-36	19 SEP 2012	RGE - G , STA 39+100 TO STA 37+504, RGE-F, RGE-E & MSF
SB-36	20 SEP 2012	RGE - A, STA 5+700 TO STA 8+008, RGE A-1, RGE A-2, RGE-B & RGE-C
SB-36	21 SEP 2012	RGE - D, STA 25+400 TO STA 30+748

11. AIDS TO NAVIGATION WERE LOCATED DURING THIS SURVEY.
12. 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 THE SURVEY AND IS NOT TO BE USED FOR NAVIGATION.
13. SURVEY ACCURACY PERFORMANCE STANDARDS, QUALITY CONTROL, AND QUALITY ASSURANCE REQUIREMENTS WERE FOLLOWED IN ACCORDANCE WITH USACE EM 1110-2-1003, HYDROGRAPHIC SURVEYING, 1 JAN 02 AND EM 1110-2-6056, STANDARDS AND PROCEDURES FOR REFERENCING PROJECT ELEVATION GRADES TO NATIONWIDE VERTICAL DATUMS, 31 DEC 10.

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.
Date: SEP 2012

12-185-K&B-GRID.DGN
KBCHANNEL-SHP.DGN
KBTOPO98.DGN
INDEX LOC.DGN

Reference files:
12-185-K3BC-VH-101.DGN
File name:

U.S. NAVY SUBMARINE BASE
KINGS BAY, GEORGIA

4TH QUARTER FY12 EXAMINATION SURVEY
44, 45 & 46 FOOT PROJECT

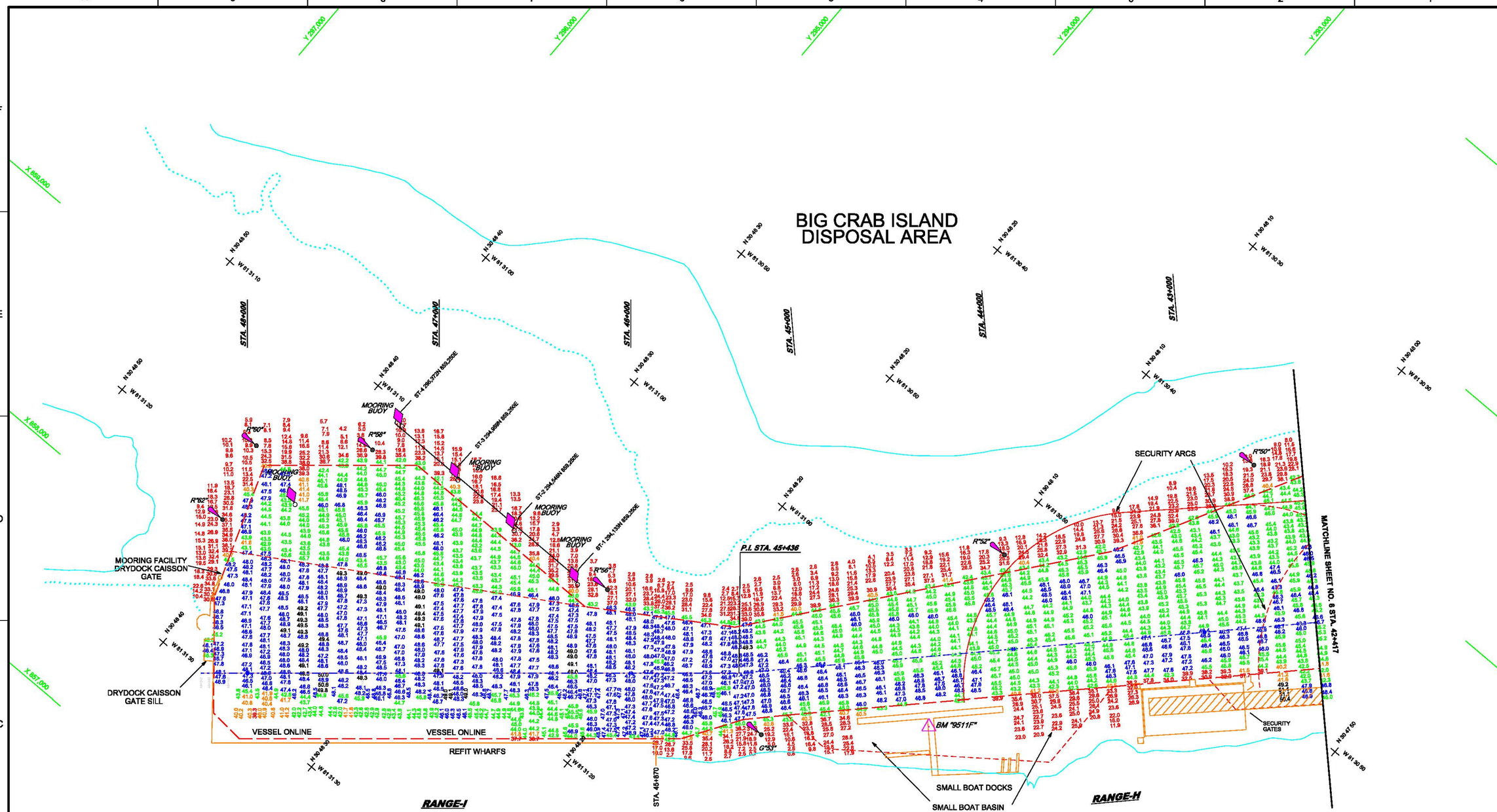
INDEX AND LOCATION PLAN

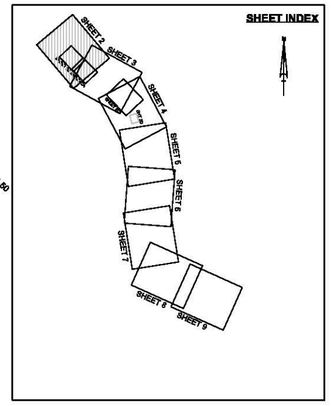
Scale: AS SHOWN

Drawing no.

VH-101

SHEET 1 OF 11





AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT - 50 (09/12)	861,984	291,818	30°48'02.73"	81°30'39.97"
LT - 52 (09/12)	860,786	292,507	30°48'09.62"	81°30'53.66"
LT - 53 (09/12)	859,251	292,868	30°48'13.28"	81°31'11.23"
LT - 56 (09/12)	859,308	293,969	30°48'24.17"	81°31'10.51"
LT - 58 (09/12)	859,071	295,374	30°48'38.10"	81°31'13.14"
LT - 60 (09/12)	858,696	295,851	30°48'42.83"	81°31'17.41"
LT - 62 (09/12)	858,288	295,736	30°48'41.72"	81°31'22.09"
MOORING BUOY (09/12)	859,227	294,104	30°48'25.52"	81°31'11.43"
MOORING BUOY (09/12)	859,228	294,539	30°48'29.82"	81°31'11.40"
MOORING BUOY (09/12)	859,239	294,932	30°48'33.71"	81°31'11.24"
MOORING BUOY (09/12)	859,265	295,338	30°48'37.72"	81°31'10.91"
MOORING BUOY (09/12)	858,592	295,498	30°48'39.35"	81°31'18.62"

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

GRAPHIC SCALE

200' 0 200' 400'

NOTES:
1. REFER TO SURVEY NO. 12-185.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

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.
Date: SEP 2012

12-185-G-BS-BRDR.DGN
KBCHAN83-V-HP.DGN
KBTOPO83.DGN
INDEX LOC.DGN
12-185-V-NAV.DGN
12-185-V-RGE-H LF.DGN
12-185-V-RGE-I LF.DGN
12-185-V-REFWHF-LF.DGN
Reference files:
12-185-KBIC-VH-102.DGN
File name:

U.S. NAVY SUBMARINE BASE
KINGS BAY, GEORGIA

4TH QUARTER FY12 EXAMINATION SURVEY
44, 45 & 46 FOOT PROJECT

RGE-H, STA 42+417 TO RGE-I, STA 48+242 INCL REFIT WHARF

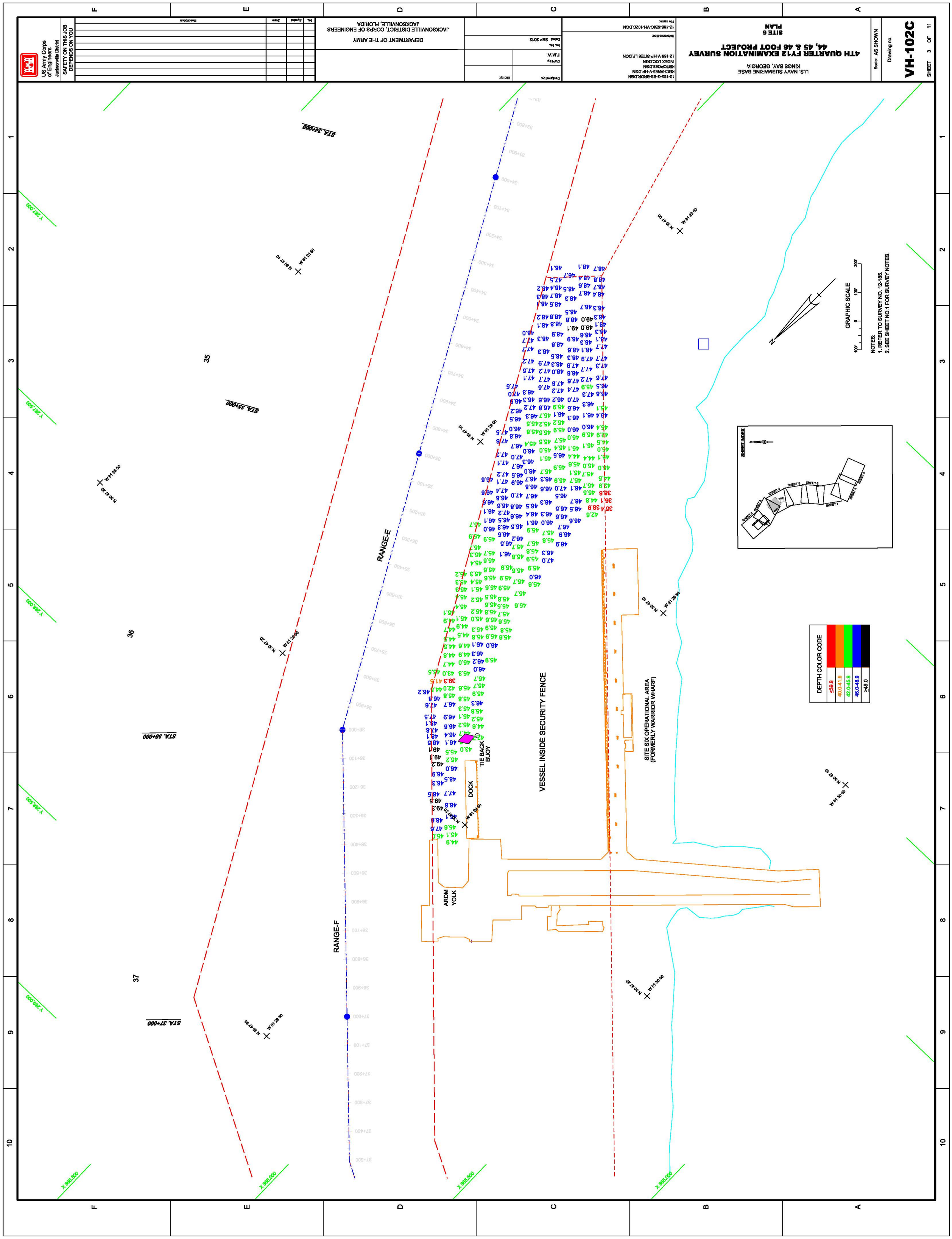
PLAN

Scale: AS SHOWN

Drawing no.

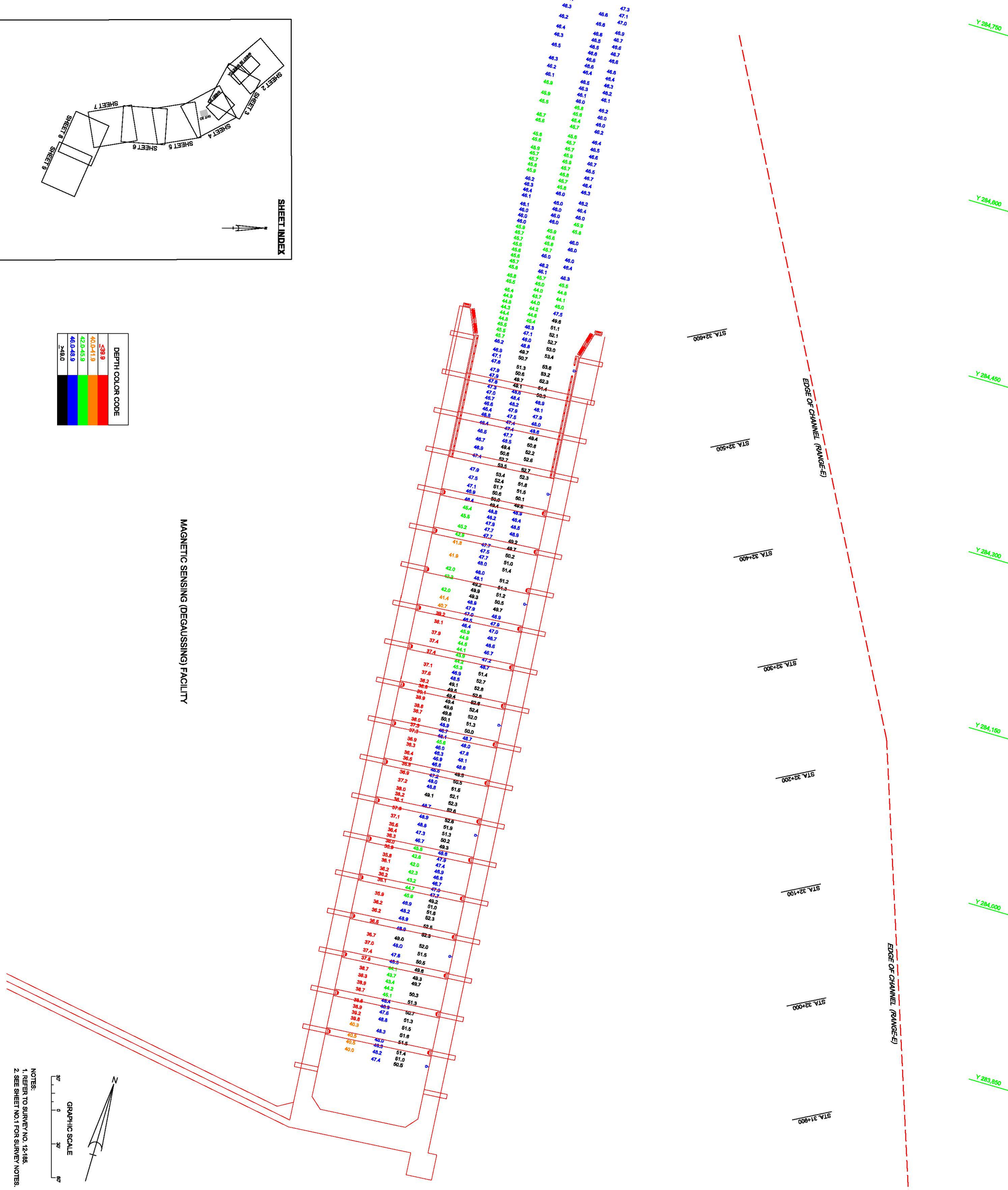
VH-102

SHEET 2 OF 11



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
U.S. NAVY SUBMARINE BASE
KINGS BAY, GEORGIA
4TH QUARTER FY12 EXAMINATION SURVEY
44, 45 & 46 FOOT PROJECT
SITE 6
PLAN
Scale: AS SHOWN
Drawing no.
VH-102C
SHEET 3 OF 11
12-185-G-BS-BRDR.DGN
KBCHAN83-V-HP.DGN
KBTOPO63.DGN
INDEX LOC.DGN
12-185-V-HP-SITE6 LF.DGN
12-185-KBIC-VH-102C.DGN
Designed by:
Ckd by:
DWN by:
F.M.W.
Inv. No.
Dated: SEP 2012
Reference files:
File name:
No.
Symbol
Zone
Description
STA. 34+000
STA. 35+000
STA. 36+000
STA. 37+000
RANGE-E
RANGE-F
VESSEL INSIDE SECURITY FENCE
SITE SIX OPERATIONAL AREA (FORMERLY WARRIOR WHARF)
TIE BACK BUOY
DOCK
ARDM YOLK
35
36
37
GRAPHIC SCALE
NOTES:
1. REFER TO SURVEY NO. 12-185.
2. SEE SHEET NO.1 FOR SURVEY NOTES.
SHEET INDEX
DEPTH COLOR CODE
≤39.9
40.0-41.9
42.0-45.9
46.0-48.9
≥49.0

MAGNETIC SENSING (DEGAUSSING) FACILITY



NOTES:
1. REFER TO SURVEY NO. 12-185.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

GRAPHIC SCALE
30' 0 30' 60'

N

U.S. NAVY SUBMARINE BASE
KINGS BAY, GEORGIA

4TH QUARTER FY12 EXAMINATION SURVEY
44, 45 & 46 FOOT PROJECT

MSF OPERATION BASIN
PLAN

12-185-G-BS-BRDR.DGN
KBCHAN83-V-HP.DGN
KBTOPO83.DGN
INDEX LOC.DGN
12-185-V-MSF LF.DGN

Reference files:

12-185-KBIC-VH-102D.DGN
File name:

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

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

No.	Symbol	Zone	Description

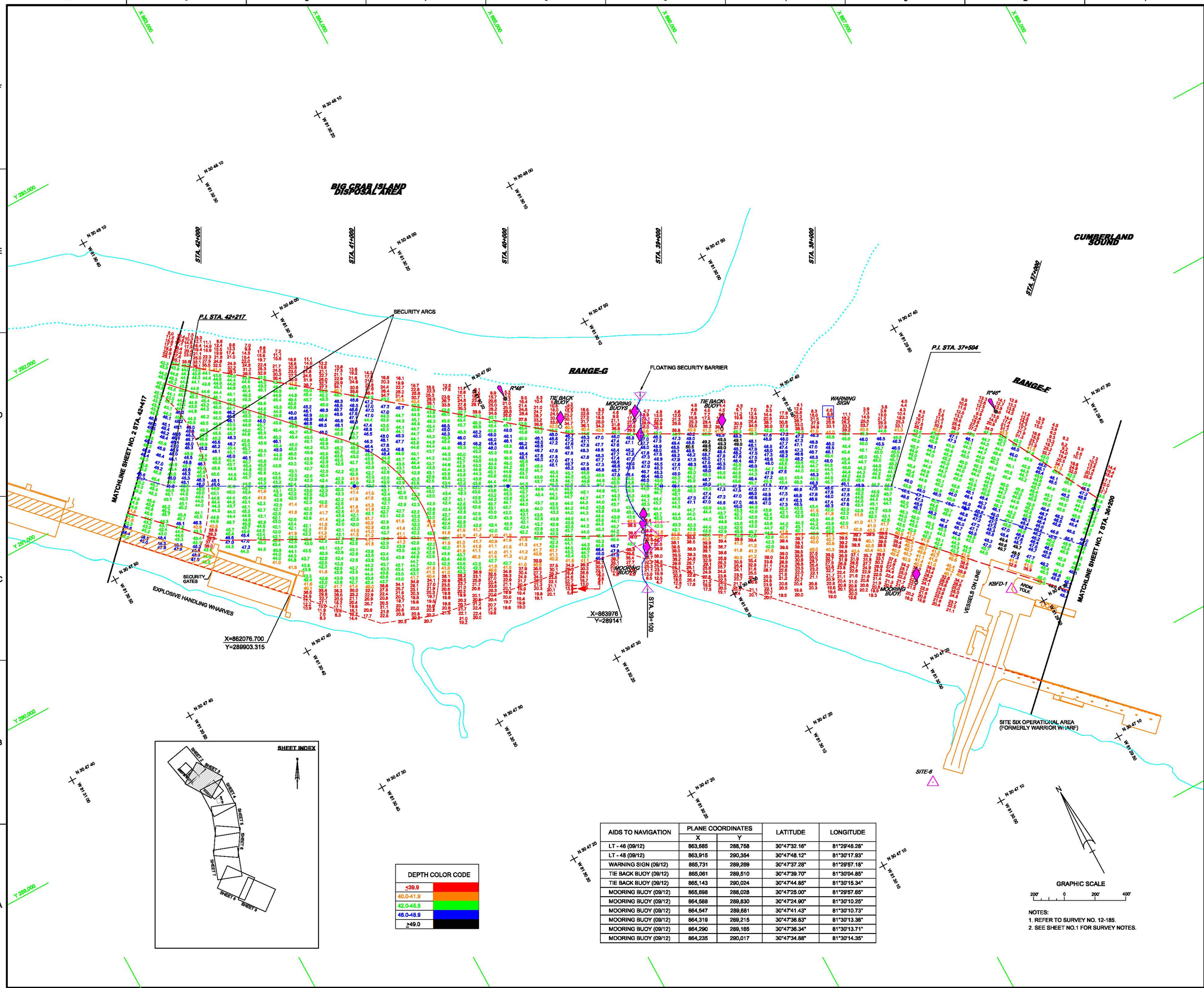
US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

Scale: AS SHOWN

Drawing no. **VH-102D**

SHEET 4 OF 11



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT - 46 (09/12)	863,685	288,758	30°47'32.16"	81°29'46.28"
LT - 48 (09/12)	863,915	290,354	30°47'48.12"	81°30'17.93"
WARNING SIGN (09/12)	865,731	289,269	30°47'37.28"	81°29'57.18"
TIE BACK BUOY (09/12)	865,061	289,510	30°47'39.70"	81°30'04.85"
TIE BACK BUOY (09/12)	865,143	290,024	30°47'44.85"	81°30'15.34"
MOORING BUOY (09/12)	865,698	288,028	30°47'25.00"	81°29'57.65"
MOORING BUOY (09/12)	864,588	289,830	30°47'24.90"	81°30'10.25"
MOORING BUOY (09/12)	864,547	289,681	30°47'41.43"	81°30'10.73"
MOORING BUOY (09/12)	864,319	289,215	30°47'36.83"	81°30'13.36"
MOORING BUOY (09/12)	864,290	289,165	30°47'36.34"	81°30'13.71"
MOORING BUOY (09/12)	864,235	290,017	30°47'34.88"	81°30'14.35"

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.
Ver. No.
Date: SEP 2012

12-185-K-BS-SRTD.DGN
KBSIX-MAP-BASE.DGN
KBTOPO03.DGN
INDEX LOC.DGN
12-185-V-NAV.DGN
12-185-V-HP-RGE-F-LF.DGN
12-185-V-HP-RGE-G-LF.DGN
12-185-V-RGE-H-LF.DGN
Reference files:
12-185-KBIC-VH-103.DGN
File name:

U.S. NAVY SUBMARINE BASE
KINGS BAY, GEORGIA

4TH QUARTER FY12 EXAMINATION SURVEY
44, 45 & 46 FOOT PROJECT

RGE- F, STA 36+200 TO RGE-H, STA 42+417

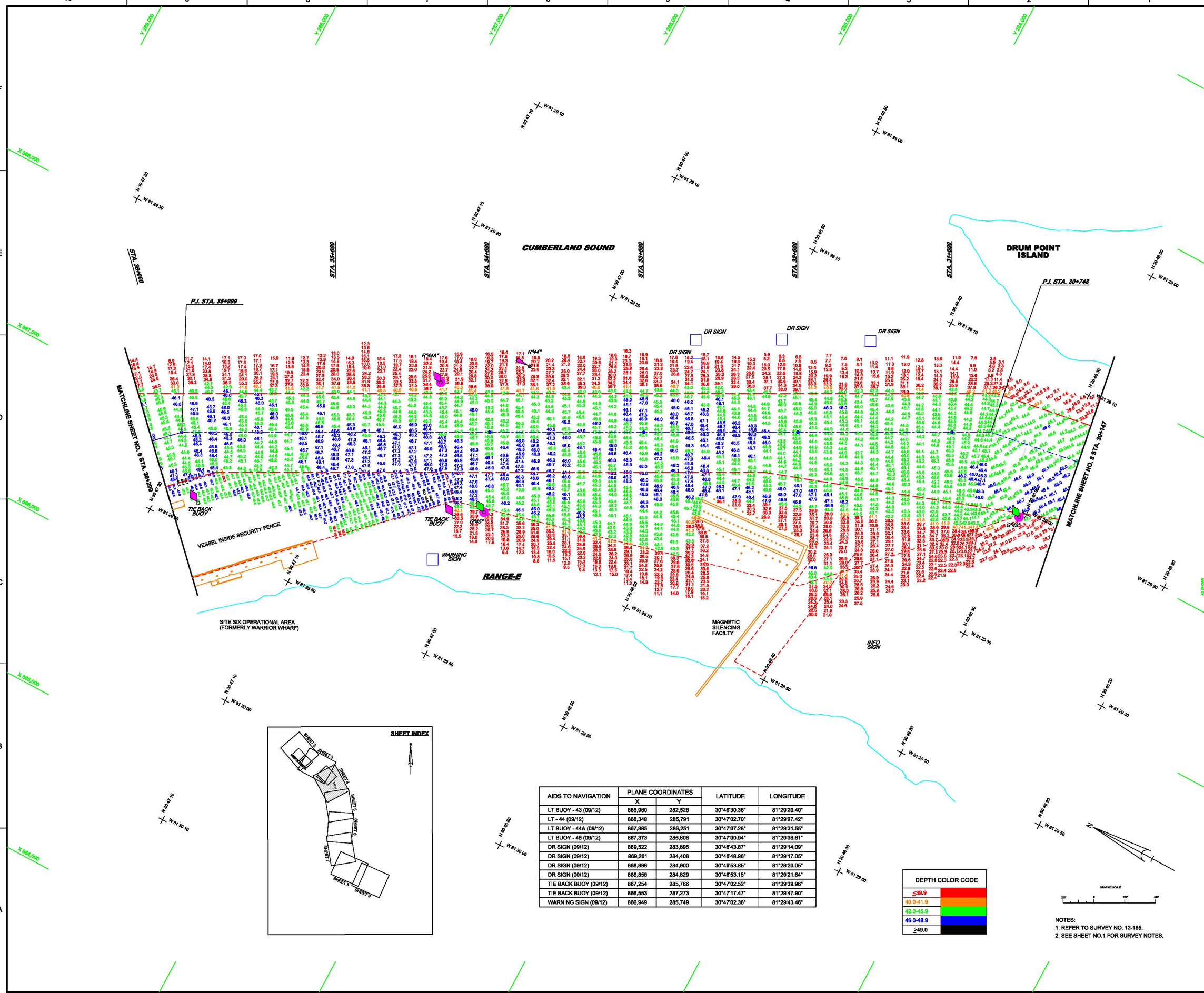
PLAN

Scale: AS SHOWN

Drawing no.

VH-103

SHEET 5 OF 11



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT BUOY - 43 (09/12)	868,980	282,526	30°46'30.36"	81°29'20.40"
LT - 44 (09/12)	868,348	285,791	30°47'02.70"	81°29'27.42"
LT BUOY - 44A (09/12)	867,985	286,251	30°47'07.28"	81°29'31.55"
LT BUOY - 45 (09/12)	867,373	285,608	30°47'00.94"	81°29'38.61"
DR SIGN (09/12)	869,522	283,895	30°46'43.87"	81°29'14.09"
DR SIGN (09/12)	869,261	284,408	30°46'48.96"	81°29'17.05"
DR SIGN (09/12)	868,996	284,900	30°46'53.85"	81°29'20.05"
DR SIGN (09/12)	868,858	284,829	30°46'53.15"	81°29'21.64"
TIE BACK BUOY (09/12)	867,254	285,766	30°47'02.52"	81°29'39.96"
TIE BACK BUOY (09/12)	866,553	287,273	30°47'17.47"	81°29'47.90"
WARNING SIGN (09/12)	866,949	285,749	30°47'02.36"	81°29'43.46"

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. 12-185.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

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

12-185-K-SB-SHTD.DGN
KBSHEETS-VH-104.DGN
KBTOPO02.DGN
INDEX LOC.DGN
12-185-V-NAV.DGN
12-185-V-HP-RGE-D LF.DGN
12-185-V-HP-RGE-E LF.DGN
12-185-V-HP-RGE-F LF.DGN
Reference files:
12-185-V-HP-SITE9 LF.DGN
12-185-KBIC-VH-104.DGN
File name:

U.S. NAVY SUBMARINE BASE
KINGS BAY, GEORGIA

4TH QUARTER FY12 EXAMINATION SURVEY
44, 45 & 46 FOOT PROJECT

RGE-D, STA 30+147 TO RGE-F, STA 36+200

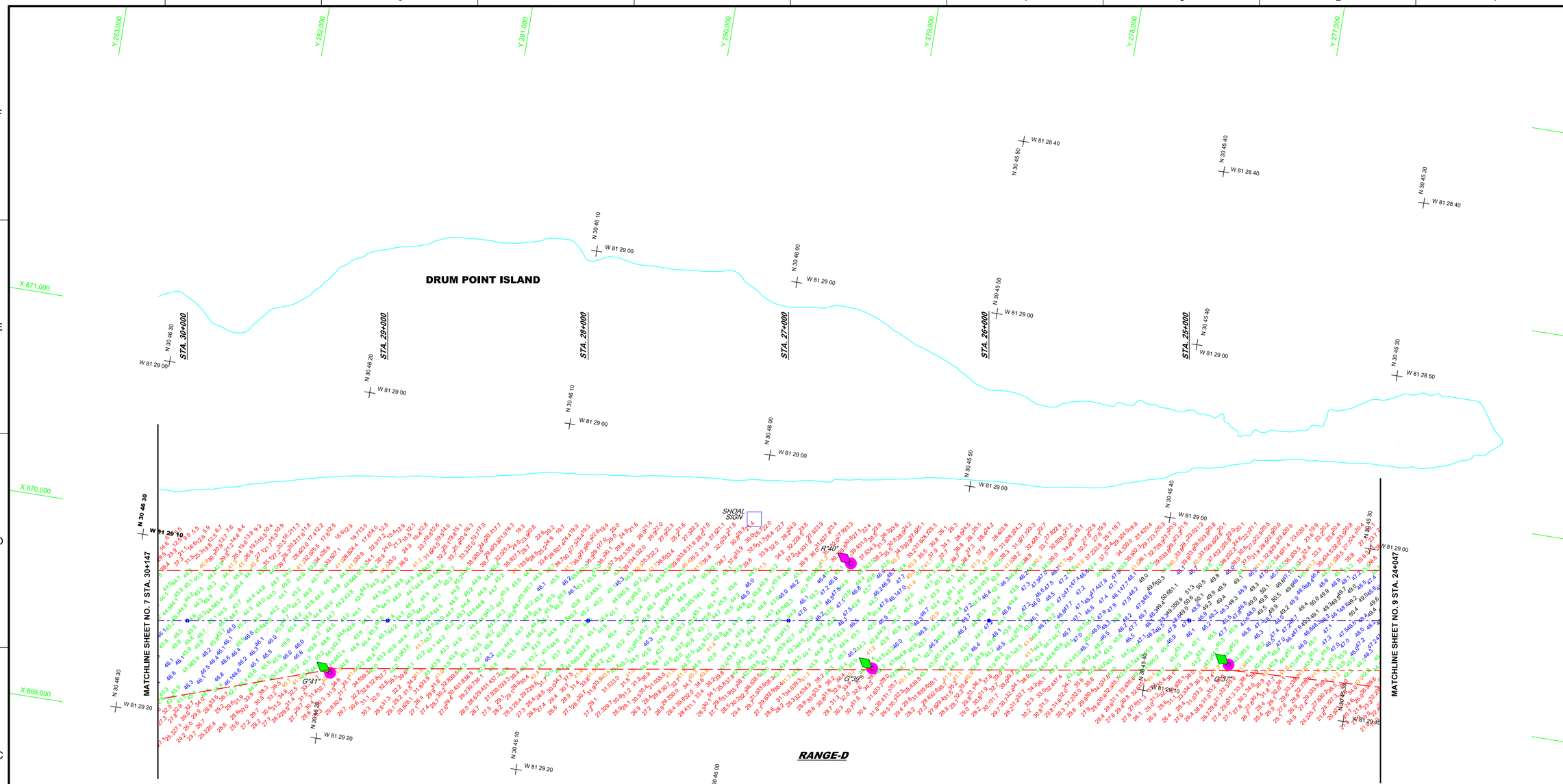
PLAN

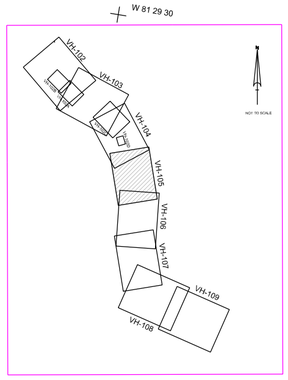
Scale: AS SHOWN

Drawing no.

VH-104

SHEET 6 OF 11





AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT BUOY - 37 (09/12)	870,113	277,047	30°45'36.05"	81°29'07.80"
LT BUOY - 39 (09/12)	869,810	278,799	30°45'53.41"	81°29'11.15"
LT BUOY - 40 (09/12)	870,310	279,988	30°45'55.25"	81°29'05.40"
LT BUOY - 41 (09/12)	869,356	281,466	30°46'19.84"	81°29'16.16"
SHOAL SIGN (09/12)	870,451	279,485	30°46'00.16"	81°29'03.76"

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

GRAPHIC SCALE

200' 0 200' 400'

NOTES:
1. REFER TO SURVEY NO. 12-185.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

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

12-185-KBIC-AERIALDGN
KBTHABS-HHPD.DGN
KBTOPO83.DGN
INDEX LOC.DGN
12-185-V-HP-RGE-D.DGN
12-185-V-HP-RGE-D HF.DGN
12-185-V-HP-RGE-D HF.DGN

Reference files:
12-185-KBIC-VH-105.DGN
File name:

U.S. NAVY SUBMARINE BASE
KINGS BAY, GEORGIA

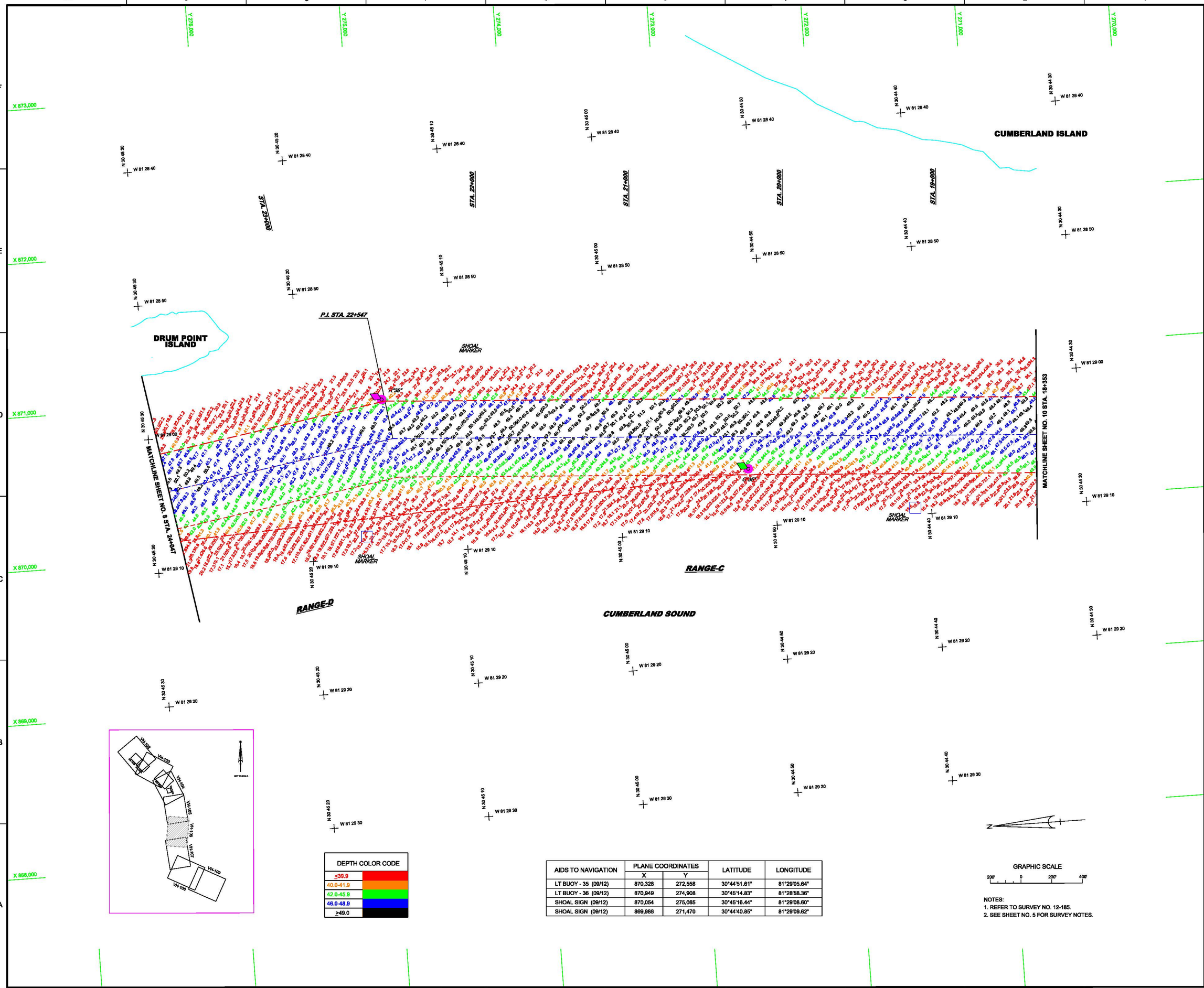
4TH QUARTER FY12 EXAMINATION SURVEY
44, 45 & 46 FOOT PROJECT
RGE-D, STA 24+047 TO STA 30+147
PLAN

Scale: AS SHOWN

Drawing no.

VH-105

SHEET 7 OF 11



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

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT BUOY - 35 (09/12)	870,328	272,558	30°44'51.61"	81°29'05.64"
LT BUOY - 36 (09/12)	870,949	274,908	30°45'14.83"	81°28'58.36"
SHOAL SIGN (09/12)	870,054	275,065	30°45'16.44"	81°29'08.60"
SHOAL SIGN (09/12)	869,988	271,470	30°44'40.85"	81°29'09.62"

GRAPHIC SCALE

200' 0 200' 400'

NOTES:
1. REFER TO SURVEY NO. 12-185.
2. SEE SHEET NO. 5 FOR SURVEY NOTES.

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

12-185-C-BS-3RDR.DGN
12-185-V-MAP-01.DGN
KBTOPO85.DGN
INDEX LOC.DGN
12-185-V-MATCH.DGN
12-185-V-RGE-C-HF.DGN
12-185-V-RGE-D-HF.DGN

Reference files:
12-185-VBIC-VH-106.DGN
File name:

U.S. NAVY SUBMARINE BASE
KINGS BAY, GEORGIA

4TH QUARTER FY12 EXAMINATION SURVEY
44, 45 & 46 FOOT PROJECT

RANGE-C, STA 18+353 TO RANGE-D, STA 24+047

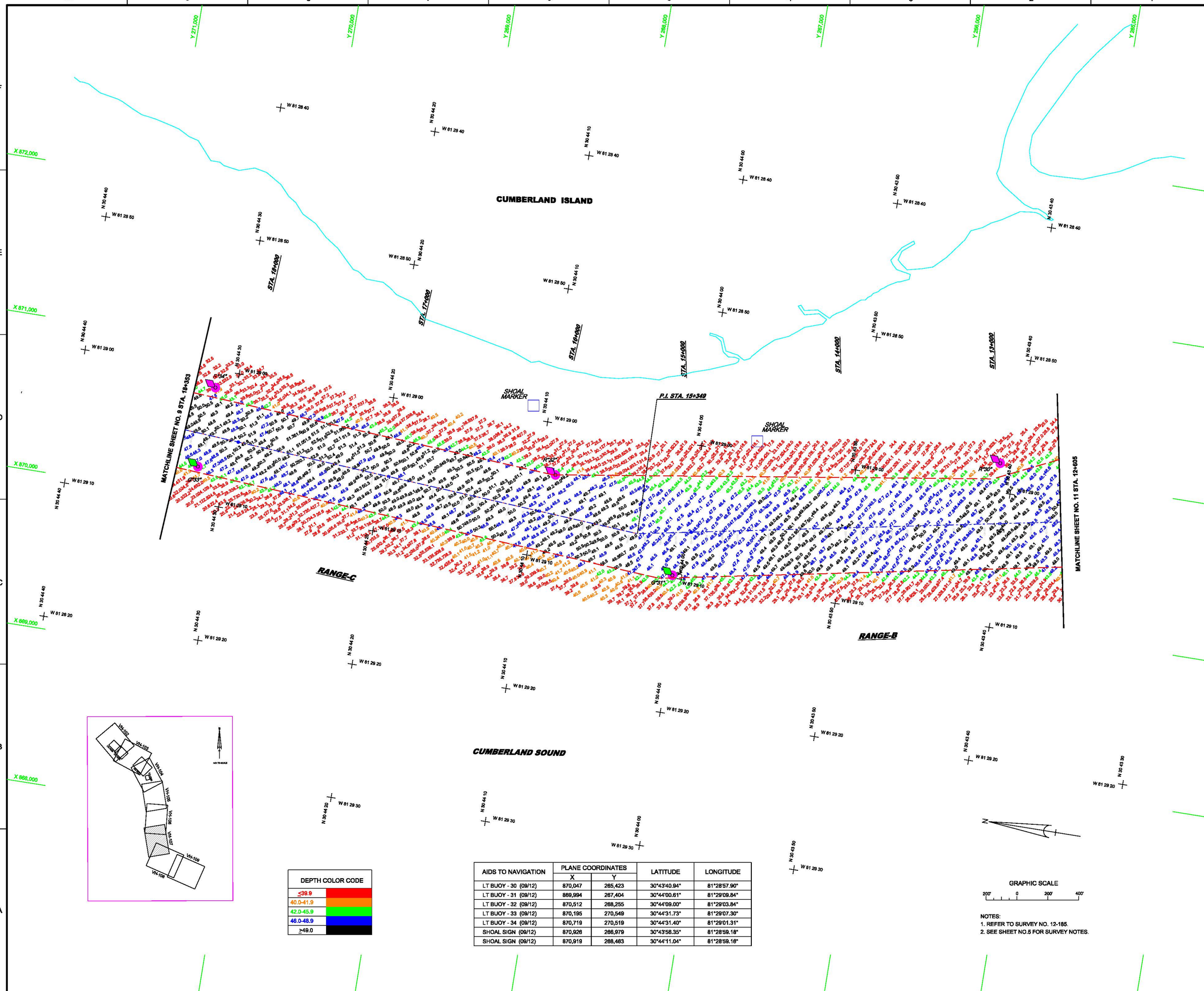
PLAN

Scale: AS SHOWN

Drawing no.

VH-106

SHEET 8 OF 11



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

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT BUOY - 30 (09/12)	870,047	265,423	30°43'40.94"	81°28'57.90"
LT BUOY - 31 (09/12)	869,994	267,404	30°44'00.61"	81°29'09.84"
LT BUOY - 32 (09/12)	870,512	268,255	30°44'09.00"	81°29'03.84"
LT BUOY - 33 (09/12)	870,195	270,549	30°44'31.73"	81°29'07.30"
LT BUOY - 34 (09/12)	870,719	270,519	30°44'31.40"	81°29'01.31"
SHOAL SIGN (09/12)	870,926	266,979	30°43'58.35"	81°28'59.18"
SHOAL SIGN (09/12)	870,919	268,463	30°44'11.04"	81°28'59.16"

NOTES:
1. REFER TO SURVEY NO. 12-185.
2. SEE SHEET NO.5 FOR SURVEY NOTES.

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

12-185-KBS-24FOR.DGN
KBSPOINTS-HF.DGN
KBTOPOS.DGN
INDEX LOC.DGN
12-185-V-RGE-A-HF.DGN
12-185-V-RGE-B-HF.DGN
12-185-V-RGE-C-HF.DGN

Reference files:
12-185-KBIC-VH-107.DGN
File name:

U.S. NAVY SUBMARINE BASE
KINGS BAY, GEORGIA

4TH QUARTER FY12 EXAMINATION SURVEY
44, 45 & 46 FOOT PROJECT

RANGE-B, STA 12+605 TO RANGE-C, STA 18+353

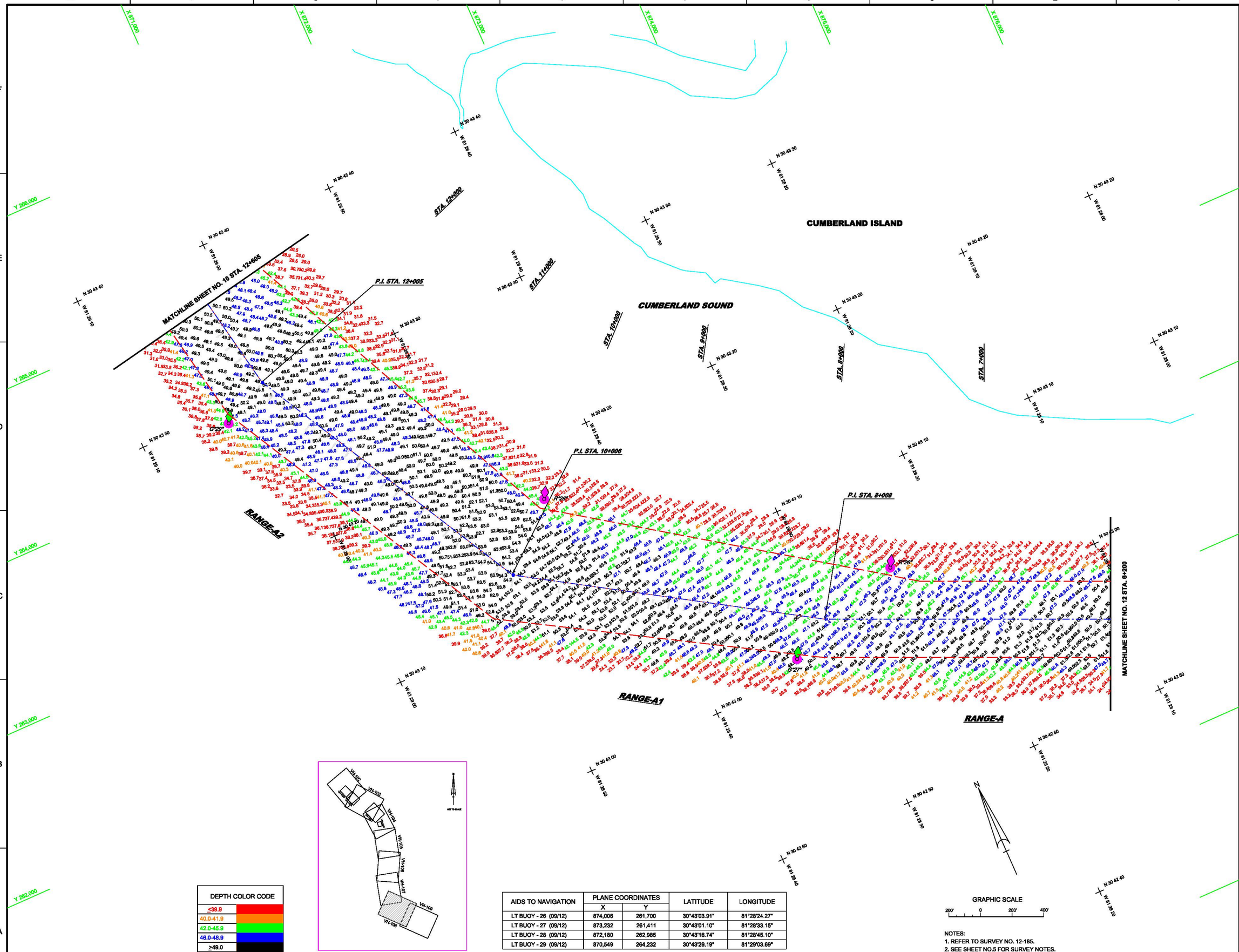
PLAN

Scale: AS SHOWN

Drawing no.

VH-107

SHEET 9 OF 11



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

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT BUOY - 26 (09/12)	874,006	261,700	30°43'03.91"	81°28'24.27"
LT BUOY - 27 (09/12)	873,232	261,411	30°43'01.10"	81°28'33.15"
LT BUOY - 28 (09/12)	872,180	262,985	30°43'16.74"	81°28'45.10"
LT BUOY - 29 (09/12)	870,549	264,232	30°43'29.19"	81°29'03.69"

NOTES:
1. REFER TO SURVEY NO. 12-185.
2. SEE SHEET NO.5 FOR SURVEY NOTES.

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.
Dated: SEP 2012

12-185-K-BS-GRID.DGN
12-185-K-BS-MAP.DGN
KBTOPO83.DGN
INDEX LOC.DGN
12-185-V-RGE-V.DGN
12-185-V-RGE-A1-HF.DGN
12-185-V-RGE-A3-HF.DGN
Reference files:

12-185-V-RGE-B-HF.DGN
File name:
12-185-KBS-VH-108.DGN

U.S. NAVY SUBMARINE BASE
KINGS BAY, GEORGIA

4TH QUARTER FY12 EXAMINATION SURVEY
44, 45 & 46 FOOT PROJECT

RANGE-A, STA 6+200 TO RANGE-B, STA 12+605

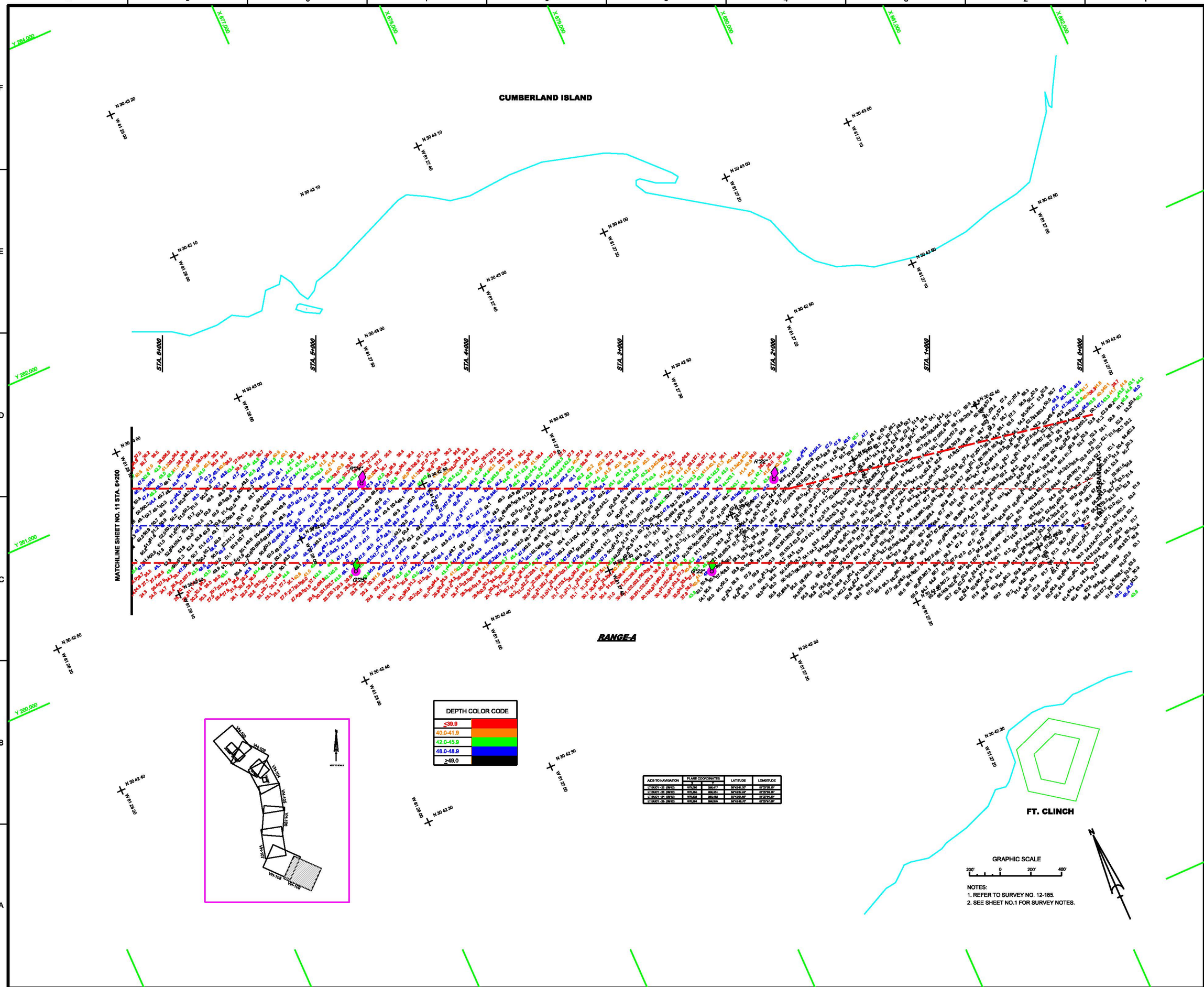
PLAN

Scale: AS SHOWN

Drawing no.

VH-108

SHEET 10 OF 11


CUMBERLAND ISLAND
RANGE-A
FT. CLINCH
MATCHLINE SHEET NO. 11 STA. 6+200
STA. 6+000
STA. 5+000
STA. 4+000
STA. 3+000
STA. 2+000
STA. 1+000
STA. 0+000
DEPTH COLOR CODE
≤39.9
40.0-41.9
42.0-45.9
46.0-48.9
≥49.0
AIDS TO NAVIGATION
PLANE COORDINATES
LATITUDE
LONGITUDE
LT BUOY - 22 (SB/12)
LT BUOY - 23 (SB/12)
LT BUOY - 24 (SB/12)
LT BUOY - 26 (SB/12)
GRAPHIC SCALE
200'
0
200'
400'
NOTES:
1. REFER TO SURVEY NO. 12-185.
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
U.S. NAVY SUBMARINE BASE
KINGS BAY, GEORGIA
4TH QUARTER FY12 EXAMINATION SURVEY
44, 45 & 46 FOOT PROJECT
RANGE-A, STA 0+000 TO STA 6+200
PLAN
Scale: AS SHOWN
Drawing no.
VH-109
SHEET 11 OF 11