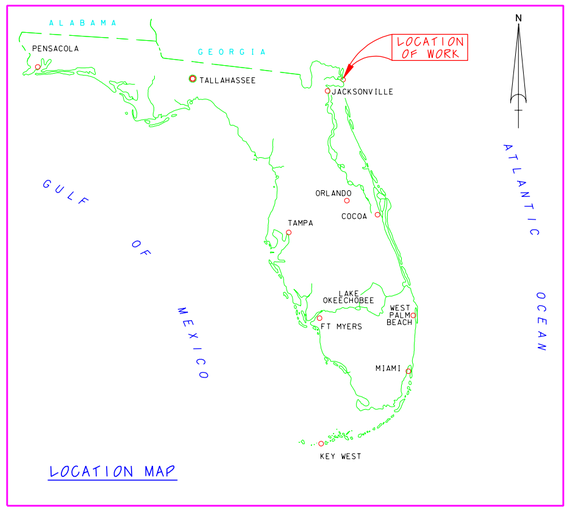
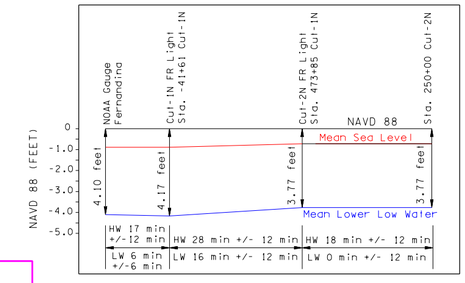
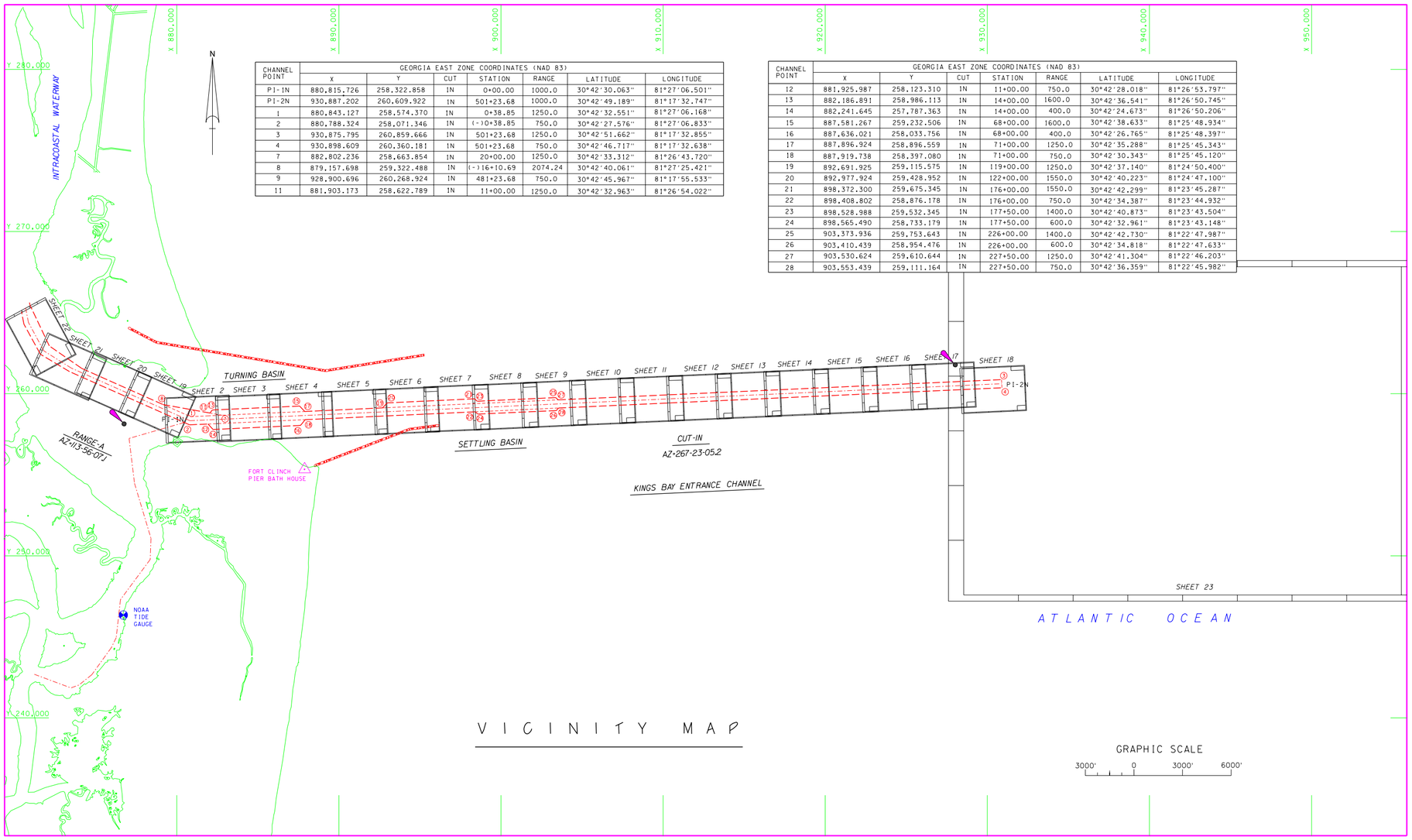
KINGS BAY ENTRANCE CHANNEL
PROJECT CONDITION SURVEY
4TH QUARTER FY03



LOCATION MAP



TIDAL DATUM DIAGRAM
KINGS BAY ENTRANCE CHANNEL



VICINITY MAP

CHANNEL POINT	GEORGIA EAST ZONE COORDINATES (NAD 83)						
	X	Y	CUT	STATION	RANGE	LATITUDE	LONGITUDE
PI-1N	880,815.726	258,322.858	IN	0+00.00	1000.0	30°42'30.063"	81°27'06.501"
PI-2N	930,887.202	260,609.922	IN	501+23.68	1000.0	30°42'49.189"	81°17'32.747"
1	880,843.127	258,574.370	IN	0+38.85	1250.0	30°42'32.551"	81°27'06.168"
2	880,788.324	258,071.346	IN	(-)0+38.85	750.0	30°42'27.576"	81°27'06.833"
3	930,875.795	260,859.666	IN	501+23.68	1250.0	30°42'51.662"	81°17'32.855"
4	930,898.609	260,360.181	IN	501+23.68	750.0	30°42'46.717"	81°17'32.638"
7	882,802.236	258,663.854	IN	20+00.00	1250.0	30°42'33.312"	81°26'43.720"
8	879,157.698	259,322.488	IN	(-)16+10.69	2074.24	30°42'40.061"	81°27'25.421"
9	928,900.696	260,268.924	IN	481+23.68	750.0	30°42'45.967"	81°17'55.533"
11	881,903.173	258,622.789	IN	11+00.00	1250.0	30°42'32.963"	81°26'54.022"

CHANNEL POINT	GEORGIA EAST ZONE COORDINATES (NAD 83)						
	X	Y	CUT	STATION	RANGE	LATITUDE	LONGITUDE
12	881,925.987	258,123.310	IN	11+00.00	750.0	30°42'28.018"	81°26'53.797"
13	882,186.891	258,986.113	IN	14+00.00	1600.0	30°42'36.541"	81°26'50.745"
14	882,241.645	257,787.363	IN	14+00.00	400.0	30°42'24.673"	81°26'50.206"
15	887,581.267	259,232.506	IN	68+00.00	1600.0	30°42'38.633"	81°25'48.934"
16	887,636.021	258,033.756	IN	68+00.00	400.0	30°42'26.765"	81°25'48.397"
17	887,896.924	258,896.559	IN	71+00.00	1250.0	30°42'35.288"	81°25'45.343"
18	887,919.738	258,397.080	IN	71+00.00	750.0	30°42'30.343"	81°25'45.120"
19	892,691.925	259,115.575	IN	119+00.00	1250.0	30°42'37.140"	81°24'50.400"
20	892,977.924	259,428.952	IN	122+00.00	1550.0	30°42'40.223"	81°24'47.100"
21	898,372.300	259,675.345	IN	176+00.00	1550.0	30°42'42.299"	81°23'45.287"
22	898,408.802	258,876.178	IN	176+00.00	750.0	30°42'34.387"	81°23'44.932"
23	898,528.988	259,532.345	IN	177+50.00	1400.0	30°42'40.873"	81°23'43.504"
24	898,565.490	258,733.179	IN	177+50.00	600.0	30°42'32.961"	81°23'43.148"
25	903,373.936	259,753.643	IN	226+00.00	1400.0	30°42'42.730"	81°22'47.987"
26	903,410.439	258,954.476	IN	226+00.00	600.0	30°42'34.818"	81°22'47.633"
27	903,530.624	259,610.644	IN	227+50.00	1250.0	30°42'41.304"	81°22'46.203"
28	903,553.439	259,111.164	IN	227+50.00	750.0	30°42'36.359"	81°22'45.982"

GRAPHIC SCALE
3000' 0 3000' 6000'

SURVEY NOTES:

1. REFER TO SURVEY NO. 03-171.
2. ELEVATIONS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER (MLLW). REFER TO TABLE SHOWN FOR DIFFERENCES FROM THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
3. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGN.
4. TIDAL REDUCTIONS WERE OBTAINED DIRECTLY BY COASTAL OCEANOGRAPHICS "HYPACK" SOFTWARE, USING RTK GPS FOR REAL-TIME WATER LEVELS.
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. SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC GPS FOR POSITIONING WITH THE REFERENCE SITE AT "BATH HOUSE". VERTICAL MEASUREMENTS WERE MADE USING A ROSS SMART SOUNDER WITH A 200KHZ (HIGH FREQUENCY) TRANSDUCER.

VESSEL	DATE OF SURVEY	CUT
FLORIDA	11, 25 SEP 2003	CUT-IN
FLORIDA	07-08, 16, 21-22 OCT 2003	CUT-IN

9. AIDS TO NAVIGATION 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 PERFORMANCE 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.

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

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description	Approved

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

Inv. No. DACW17-XX-X-XXXX
Dated: XX XXX XXXX
Scale: AS SHOWN
Plot date: xx xx xxxx
Plot scale: XXX

Designed by: RWH
Dwn by: WRM
Ckd by: WRM

Dated: OCT 2003
D.O.FILE NO.

File name: E17SHO1.DGN
Reference files: BRDRR8.DGN KBTOPO83.DGN KBPHAS3.DGN NEWLMAP.DGN

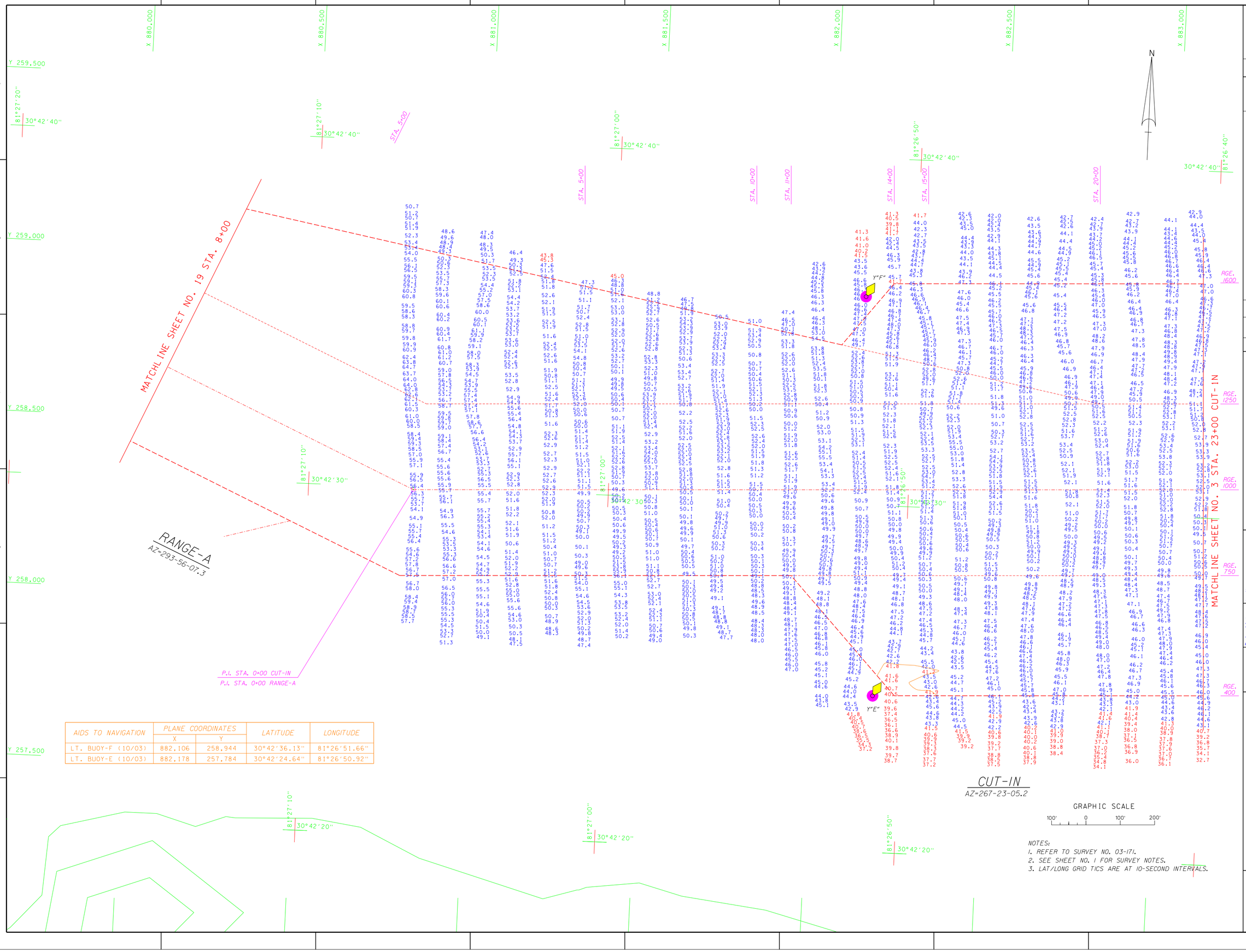
U.S. NAVY ENTRANCE CHANNEL
KINGS BAY, GEORGIA

PROJECT CONDITION SURVEY
42 & 46-FOOT PROJECT
4TH QUARTER FY03

INDEX, LOCATION & VICINITY MAP

DRAWING NO.
1/18

SHEET 1 OF 23



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-F (10/03)	882,106	258,944	30°42'36.13"	81°26'51.66"
LT. BUOY-E (10/03)	882,178	257,784	30°42'24.64"	81°26'50.92"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 03-171.
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	Approved

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

Inv. No. DACW17-XX-X-XXXX
Dated: XX XXX XXXX
Scale: AS SHOWN
Plot date: xx xx xxxx
Plot scale: XX:X

Designed by: FRW
Dwn by: WRM
Ckd by: WRM

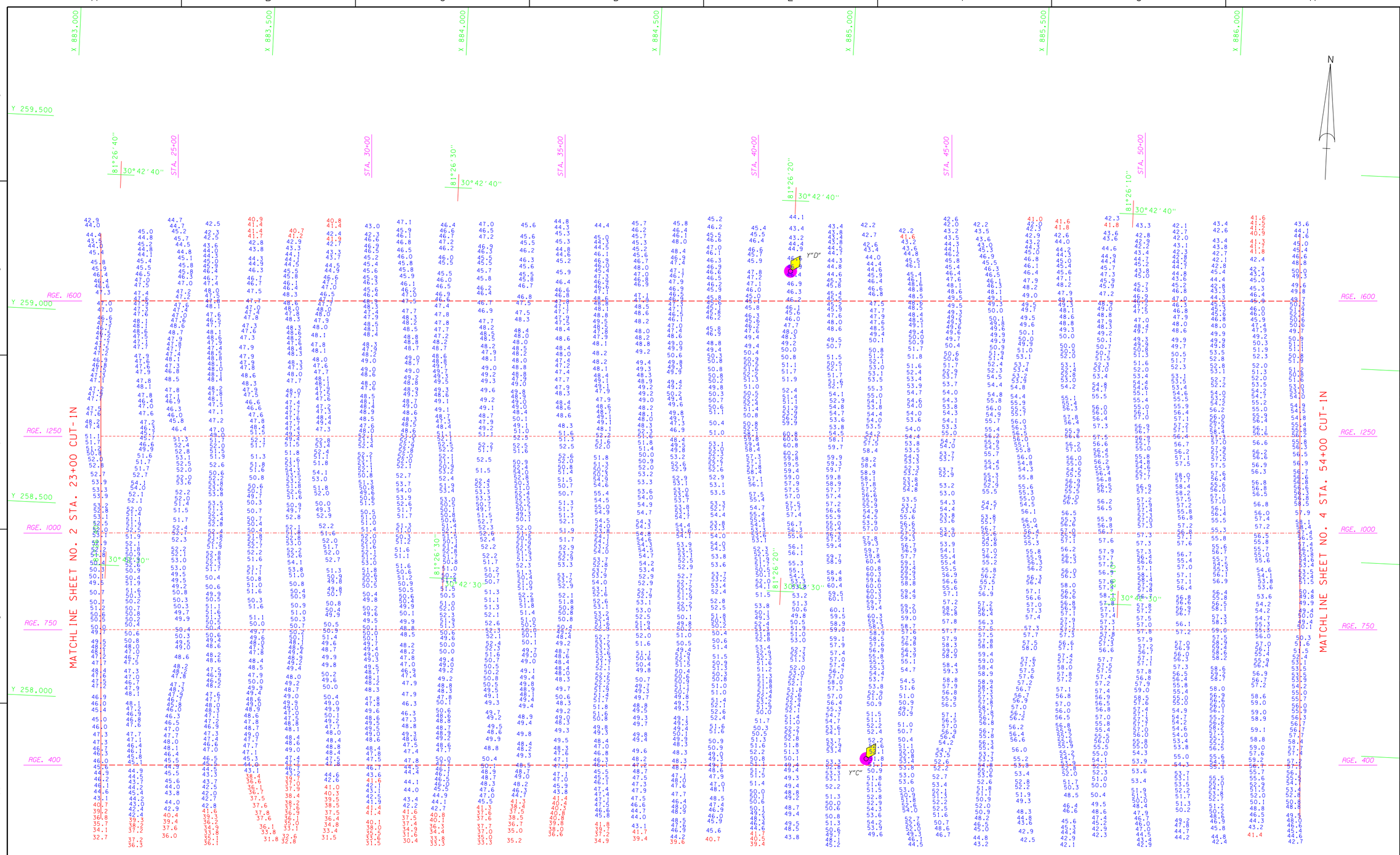
Dated: OCT 2003
D.O.FILE NO.

File name: E17SHEET.DGN
Reference files: RGE-CL.DGN
RGE-CL-NEW.DGN
E17NAV.DGN
E17CIN.DGN
RESTOR35.DGN
AERIAL.DGN
CON46.DGN

U.S. NAVY ENTRANCE CHANNEL
KINGS BAY, GEORGIA
PROJECT CONDITION SURVEY
46-FOOT PROJECT
4TH QUARTER FY03
STA. 10+00 RANGE-A THRU STA. 23+00 CUT-IN
PLAN

DRAWING NO.
2/18

SHEET 2 OF 23



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-C (10/03)	885,116	257,935	30°42'25.95"	81°26'17.26"
LT. BUOY-D (10/03)	884,863	259,185	30°42'38.34"	81°26'20.07"

CUT-IN

AZ-267-23-05.2

GRAPHIC SCALE

100' 0 100' 200'

NOTES:

1. REFER TO SURVEY NO. 03-171.
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	Approved

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

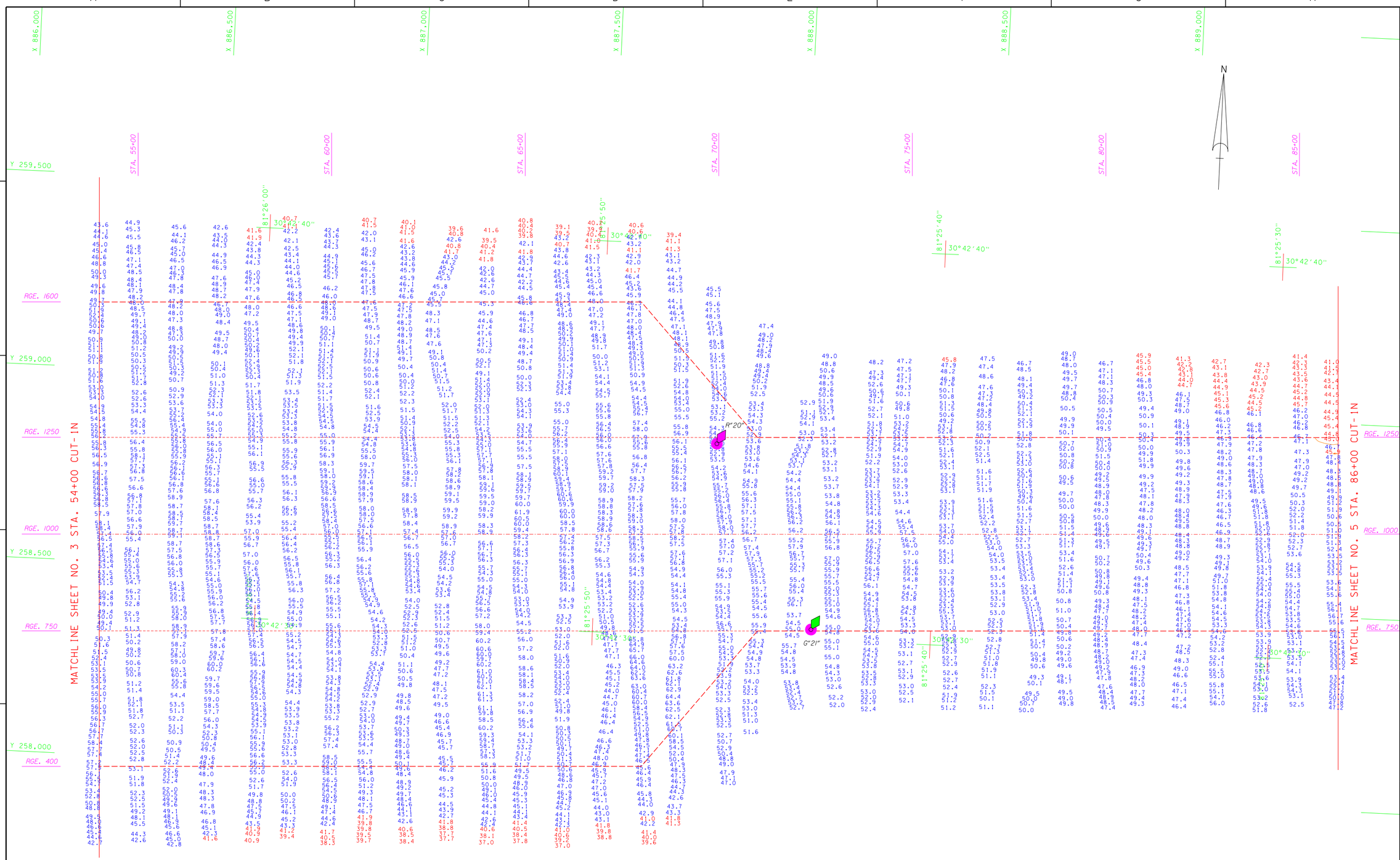
Designed by: RWH
Dwn by: WRM
Ckd by: WRM
Inv. No. DACW17-XX-X-XXXX
Dated: XX XXX XXXX
Scale: AS SHOWN
Plot date: xx xx xxxx
Plot scale: XX:X
Dated: OCT 2003
D.O.FILE NO.

File name: E17F.DGN
Reference files: BROHOA.DGN ETCHLINE.DGN KBCHANEL.DGN ETCHLINE.DGN E17CN.DGN BSLTCS.DGN CONKS.DGN

U.S. NAVY ENTRANCE CHANNEL
KINGS BAY, GEORGIA
PROJECT CONDITION SURVEY
46-FOOT PROJECT
4TH QUARTER FY03
STA. 23+00 THRU STA. 54+00 CUT-IN
PLAN

DRAWING NO.
3/18

SHEET 3 OF 23



CUT-IN

AZ=267-23-05.2

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-20 (10/03)	887,793	258,875	30°42'35.08"	81°25'46.53"
LT. BUOY-21 (10/03)	888,057	258,407	30°42'30.43"	81°25'43.53"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:

1. REFER TO SURVEY NO. 03-171.
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	Approved

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

Inv. No. BA(N)17-XX-X-XXXX
Dated: XX XXX XXXX
Scale: AS SHOWN
Plot date: xx xx xxxx
Plot scale: XX:X

Designed by: RWH
Dwn by: WRM
Ckd by: WRM

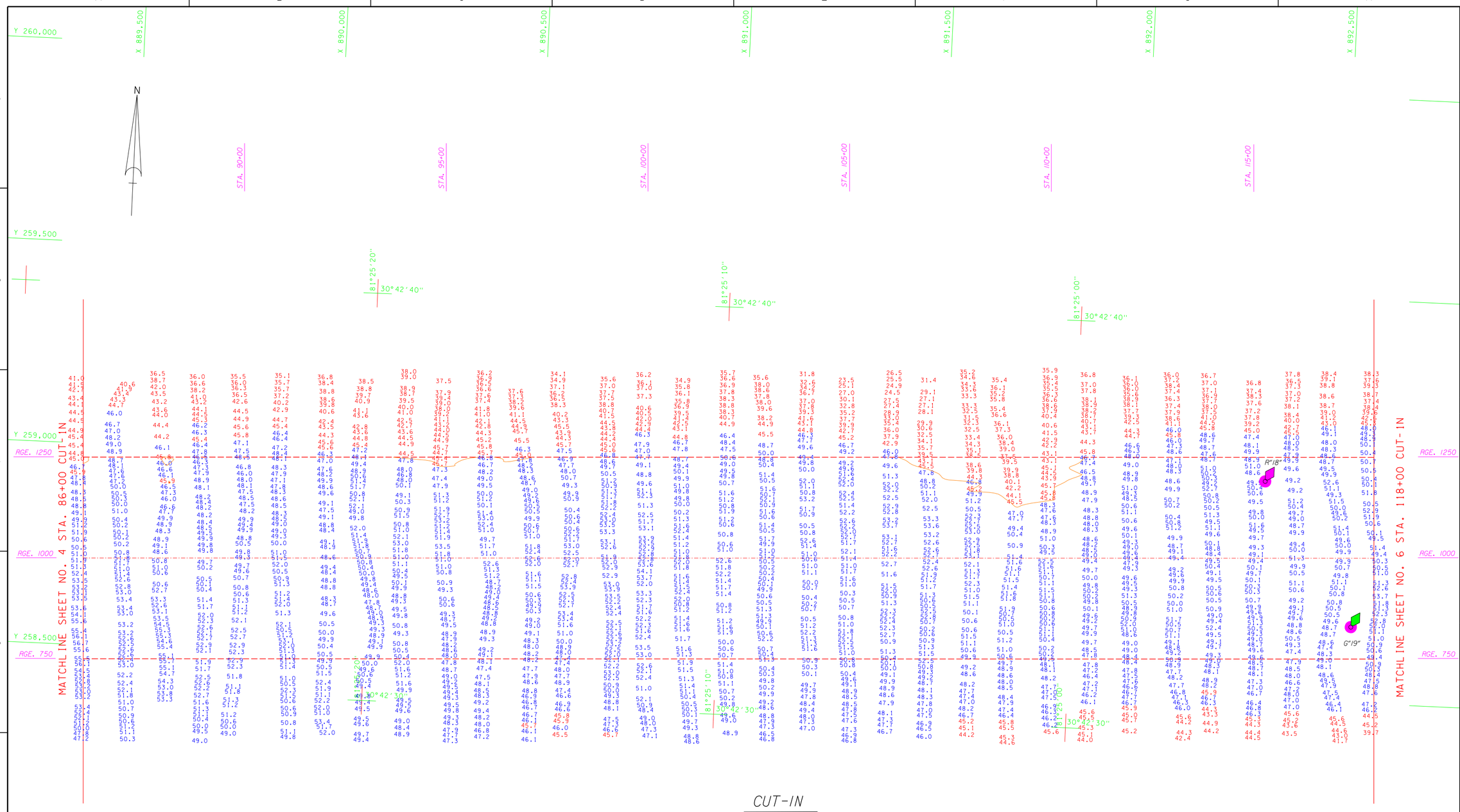
Dated: OCT 2003
D.O.FILE NO.

File name: E17SDN3.DGN
Reference files: RECMAN3DV8.DGN
B3LLTICS.DGN
E17NAV.DGN
E17CTR.DGN
COVER.DGN

U.S. NAVY ENTRANCE CHANNEL
KINGS BAY, GEORGIA
PROJECT CONDITION SURVEY
46-FOOT PROJECT
4TH QUARTER FY03
STA. 54+00 THRU STA. 86+00 CUT-IN
PLAN

DRAWING NO.
4/18

SHEET 4 OF 23



CUT-IN

AZ=267-23-05.2

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-18 (10/03)	892,325	259,039	30°42'36.40"	81°24'54.60"
LT. BUOY-19 (10/03)	892,553	258,687	30°42'32.91"	81°24'52.01"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 03-171.
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	Approved

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

Hv. No. DAC/RIT: XX-X-XXXX
Dated: XX XXX XXXX
Scale: AS SHOWN
Plot date: xx xx xxxx
Plot scale: XX:X

Designed by: FWH
Dwn by: WRM
Ckd by: WRM

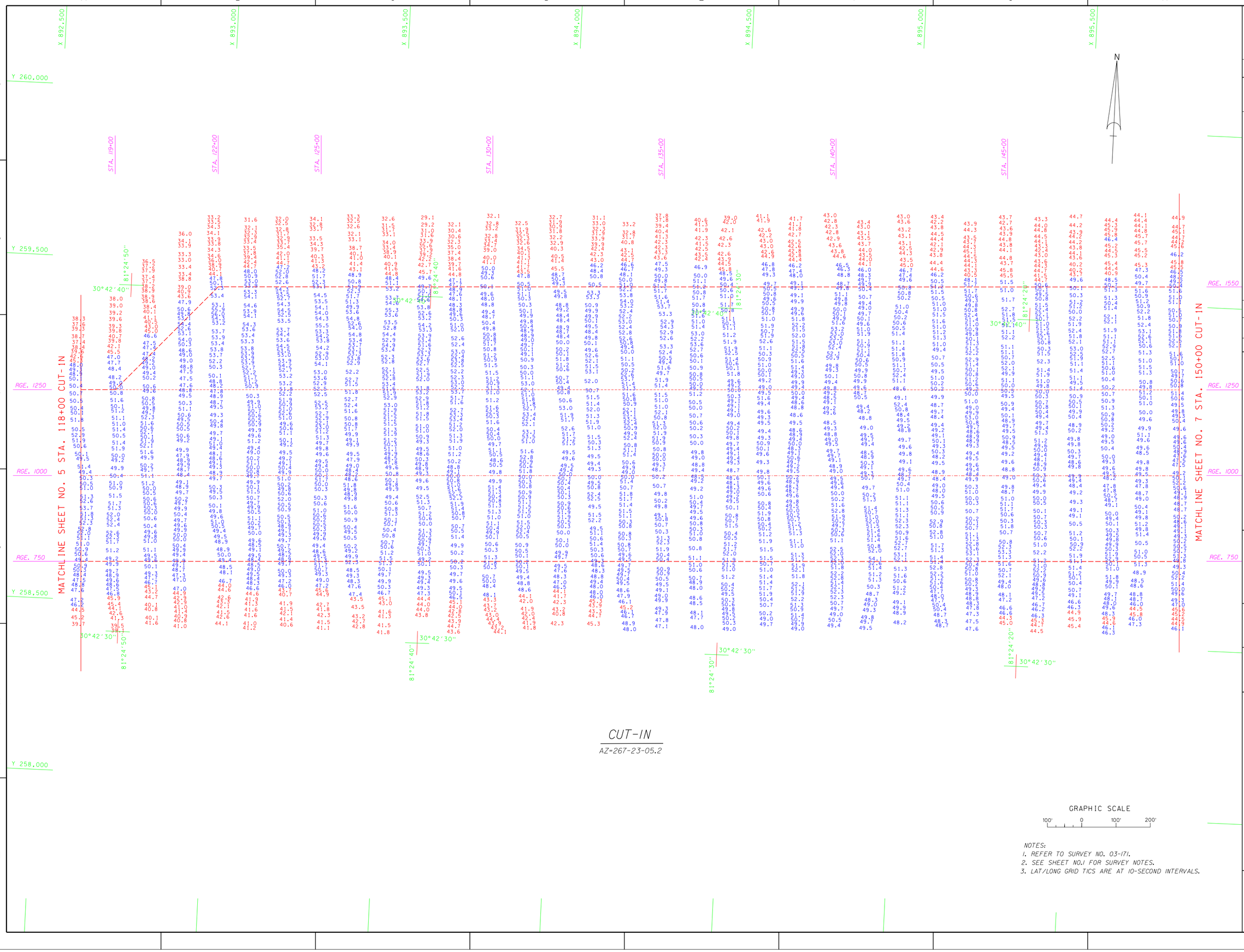
Dated: OCT 2003
D.O.FILE NO.

File name: E17S3H05.DGN
Reference files: 8SHORELINE.DGN
8BCHMARK.DGN
E17N1AV.DGN
8.5LLTICS.DGN
E17CNL.DGN
CONVERT.DGN

U.S. NAVY ENTRANCE CHANNEL
KINGS BAY, GEORGIA
PROJECT CONDITION SURVEY
42 & 46-FOOT PROJECT
4TH QUARTER FY03
STA. 86+00 THRU STA. 118+00 CUT-IN
PLAN

DRAWING NO.
5/18

SHEET 5 OF 23



NOTES:
1. REFER TO SURVEY NO. 03-171.
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	Approved

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

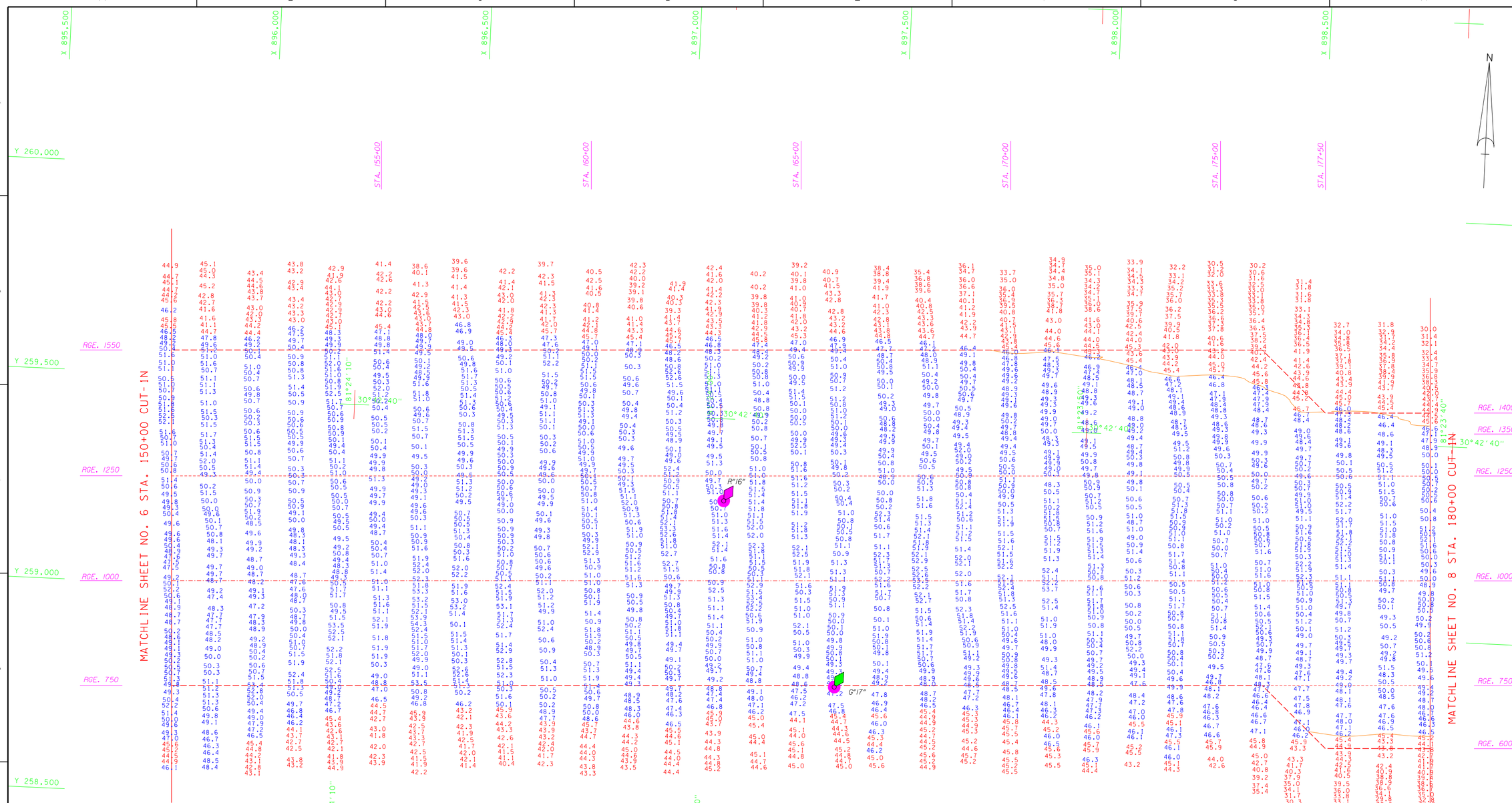
Designed by: RWH
Dwn by: WRM
Ckd by: WRM
Inv. No. DACW17-XX-X-XXXX
Dated: XX XXX XXXX
Scale: AS SHOWN
Plot date: xx xx xxxx
Plot scale: XX:X
Dated: OCT 2003
D.O.FILE NO.

File name: E171SHOS.DGN
Reference files: BRDR98.DGN KBCHAN8.SNEW.DGN E171CTN.DGN 83LLTICS.DGN

U.S. NAVY ENTRANCE CHANNEL
KINGS BAY, GEORGIA
PROJECT CONDITION SURVEY
42 & 46-FOOT PROJECT
4TH QUARTER FY03
STA. 118+00 THRU STA. 150+00 CUT-IN
PLAN

DRAWING NO.
6/18

SHEET 6 OF 23



CUT-IN

AZ=267-23-05.2

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-16 (10/03)	897,106	259,257	30°42'38.25"	81°23'59.82"
LT. BUOY-17 (10/03)	897,389	258,826	30°42'33.95"	81°23'56.61"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 03-171.
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	Approved

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

Inv. No. DACW17-XX-X-XXXX
Dated: XX XXX XXXX
Scale: AS SHOWN
Plot date: xx xx xxxx
Plot scale: XX:X

Designed by: RWH
Dwn by: WRM
Ckd by: WRM

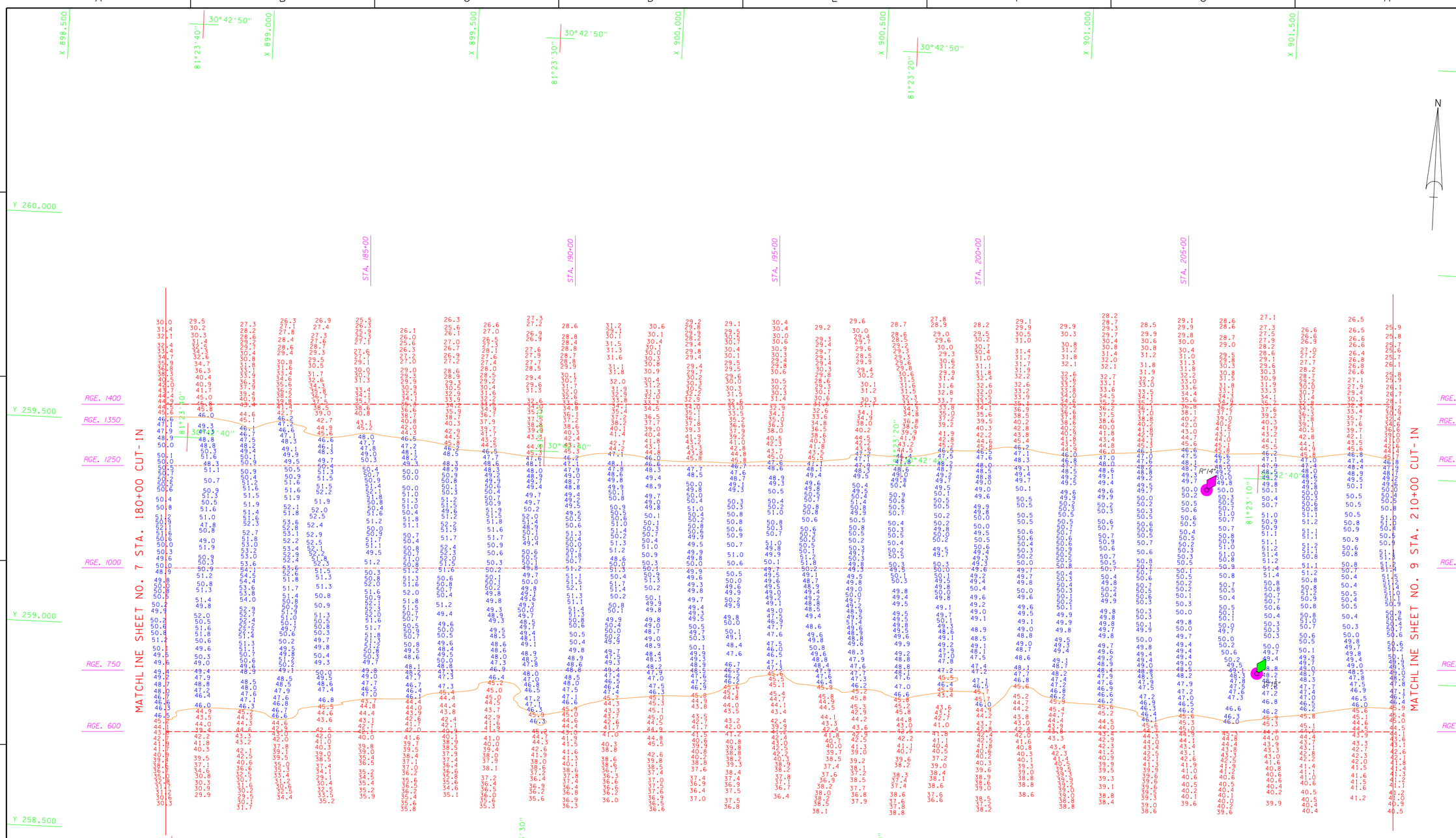
Dated: OCT 2003
D.O.FILE NO.

File name: E17SHS7.DGN
Reference files: BRDG98.DGN, KBCHANSNEW.DGN, KBCONTOUR.DGN, 8JLT1CS.DGN, E17TRAX.DGN, CONK6.DGN

U.S. NAVY ENTRANCE CHANNEL
KINGS BAY, GEORGIA
PROJECT CONDITION SURVEY
42 & 46-FOOT PROJECT
4TH QUARTER FY03
STA. 150+00 THRU STA. 180+00 CUT-IN
PLAN

DRAWING NO.
7/18

SHEET 7 OF 23



CUT-IN

AZ=267-23-05.2

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-14 (10/03)	901,329	259,450	30°42'39.87"	81°23'11.42"
LT. BUOY-15 (10/03)	901,472	259,007	30°42'35.48"	81°23'09.82"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:

1. REFER TO SURVEY NO. 03-171.
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	Approved

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

Inv. No. DACW17-XX-X-XXXX
Dated: XX XXX XXXX
Scale: AS SHOWN
Plot date: xx xx xxxx
Plot scale: XX:X

Designed by: RWH
Dwn by: WRM
Ckd by: WRM

Dated: OCT 2003
D.O.FILE NO.

File name: E17FSHS3.DGN
Reference files: BRDSRB.DGN, RBCHANB3NEW.DGN, ETCLTS2.DGN, ETCLTS3.DGN, B3LLTCS.DGN, E17NAV.DGN, CONM6.DGN

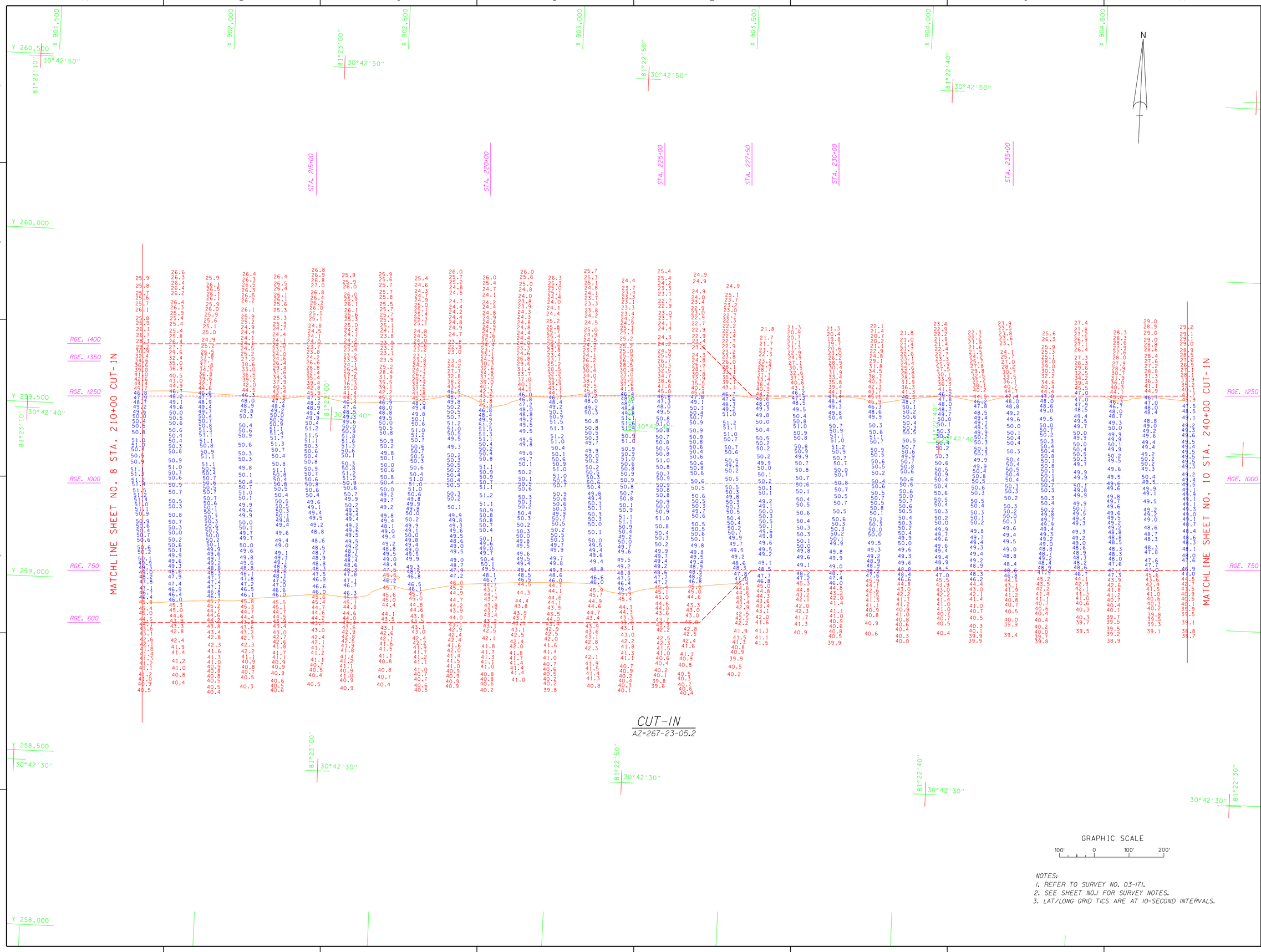
U.S. NAVY ENTRANCE CHANNEL
KINGS BAY, GEORGIA

PROJECT CONDITION SURVEY
42 & 46-FOOT PROJECT
4TH QUARTER FY03

STA. 180+00 THRU 210+00 CUT-IN
PLAN

DRAWING NO.
8/18

SHEET 8 OF 23



NOTES:
1. REFER TO SURVEY NO. 03-171.
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	Approved

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

Inv. No. DACW17-99-C-0032
Dated: XXX XXX XXXX
Scale: AS SHOWN
Plot date: xx xx xxxx
Plot scale: XX:X

Designed by: RWH
Dwn by: WRM
Ckd by: WRM

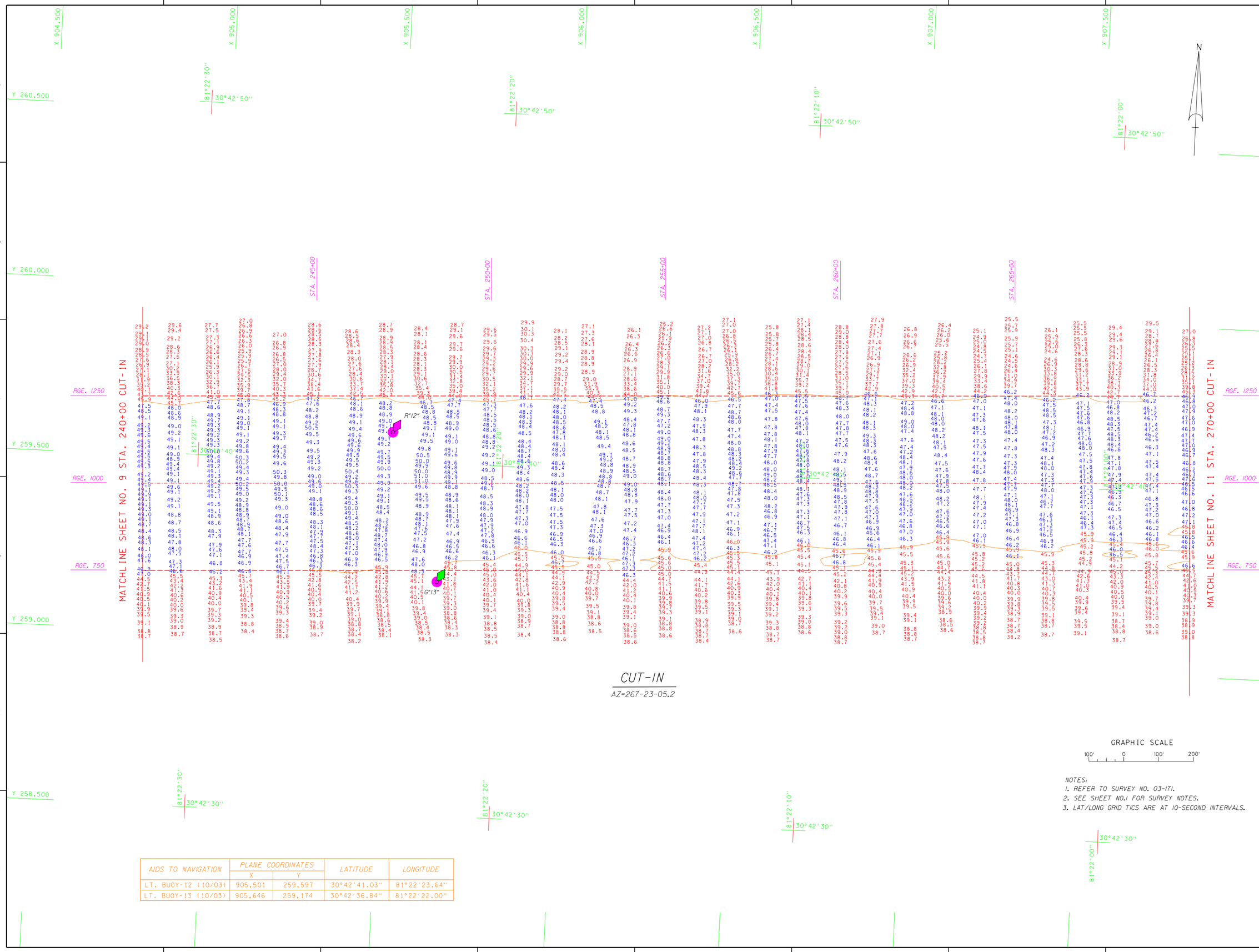
Dated: OCT 2003
D.O.FILE NO.

File name: 5375H03.DGN
Reference files: BRIDGE.DGN, FEDCHAB2.DGN, FEDCHAB3.DGN, 8SLLTICS.DGN, CONN46.DGN

U.S. NAVY ENTRANCE CHANNEL
KINGS BAY, GEORGIA
PROJECT CONDITION SURVEY
42 & 46-FOOT PROJECT
4TH QUARTER FY03
STA. 210+00 THRU STA. 240 CUT-IN
PLAN

DRAWING NO.
9/18

SHEET 9 OF 23



CUT-IN

AZ=267-23-05.2

GRAPHIC SCALE

100' 0 100' 200'

NOTES:

1. REFER TO SURVEY NO. 03-171.
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-12 (10/03)	905,501	259,597	30°42'41.03"	81°22'23.64"
LT. BUOY-13 (10/03)	905,646	259,174	30°42'36.84"	81°22'22.00"

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description	Approved

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

Inv. No. DACW17-XX-X-XXXX
Dated: XX XXX XXXX
Scale: AS SHOWN
Plot date: xx xx xxxx
Plot scale: XX:X

Designed by: RWH
Dwn by: WRM
Ckd by: WRM

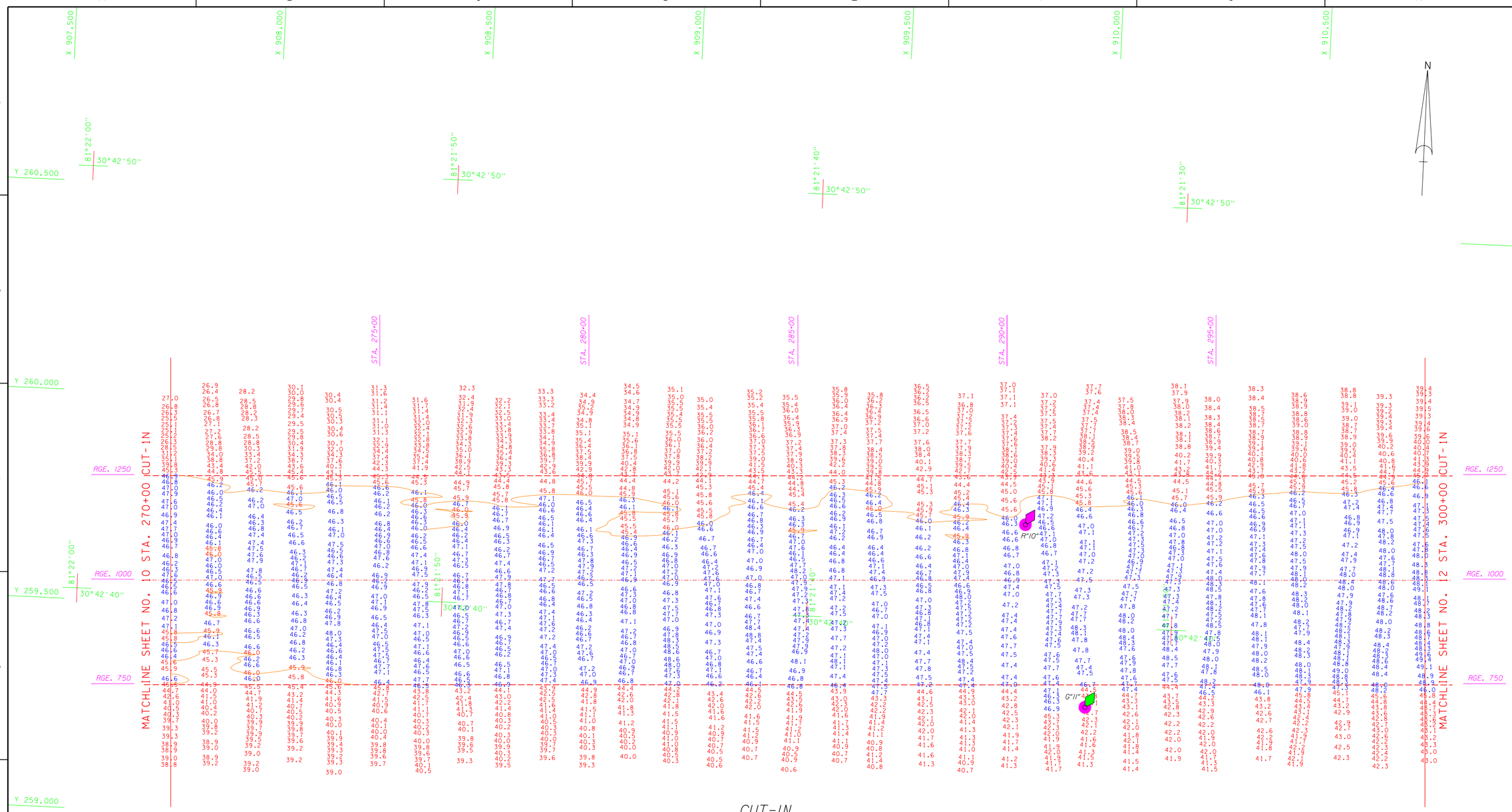
Dated: OCT 2003
D.O.FILE NO.

File name: E17SHOLD.DGN
Reference files: BRDR98.DGN, KBCHAN8.3NEW.DGN, 83LTICS.DGN, E17ICIN.DGN, E17NAV.DGN

U.S. NAVY ENTRANCE CHANNEL
KINGS BAY, GEORGIA
PROJECT CONDITION SURVEY
42 & 46-FOOT PROJECT
4TH QUARTERLY FY03
STA. 240+00 THRU STA. 270+00 CUT-IN
PLAN

DRAWING NO.
10/18

SHEET 10 OF 23



CUT-IN

AZ=267-23-05.2

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-10 (10/03)	909,824	259,781	30°42'41.54"	81°21'34.10"
LT. BUOY-11 (10/03)	909,986	259,351	30°42'38.28"	81°21'32.28"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:

1. REFER TO SURVEY NO. 03-171.
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	Approved

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

Inv. No: DACW17-99-C-0032
Dated: XX XXX XXXX
Scale: AS SHOWN
Plot date: xx xx xxxx
Plot scale: XXX

Designed by: RWH
Dwn by: WRM
Ckd by: WRM

Dated: OCT 2003
D.O.F.ILE NO.

File name: E17SHR11.DGN

Reference files: BIGR98.DGN BIGRAND.DGN E17SCN1.DGN 83LLTICS.DGN E17NAV.DGN

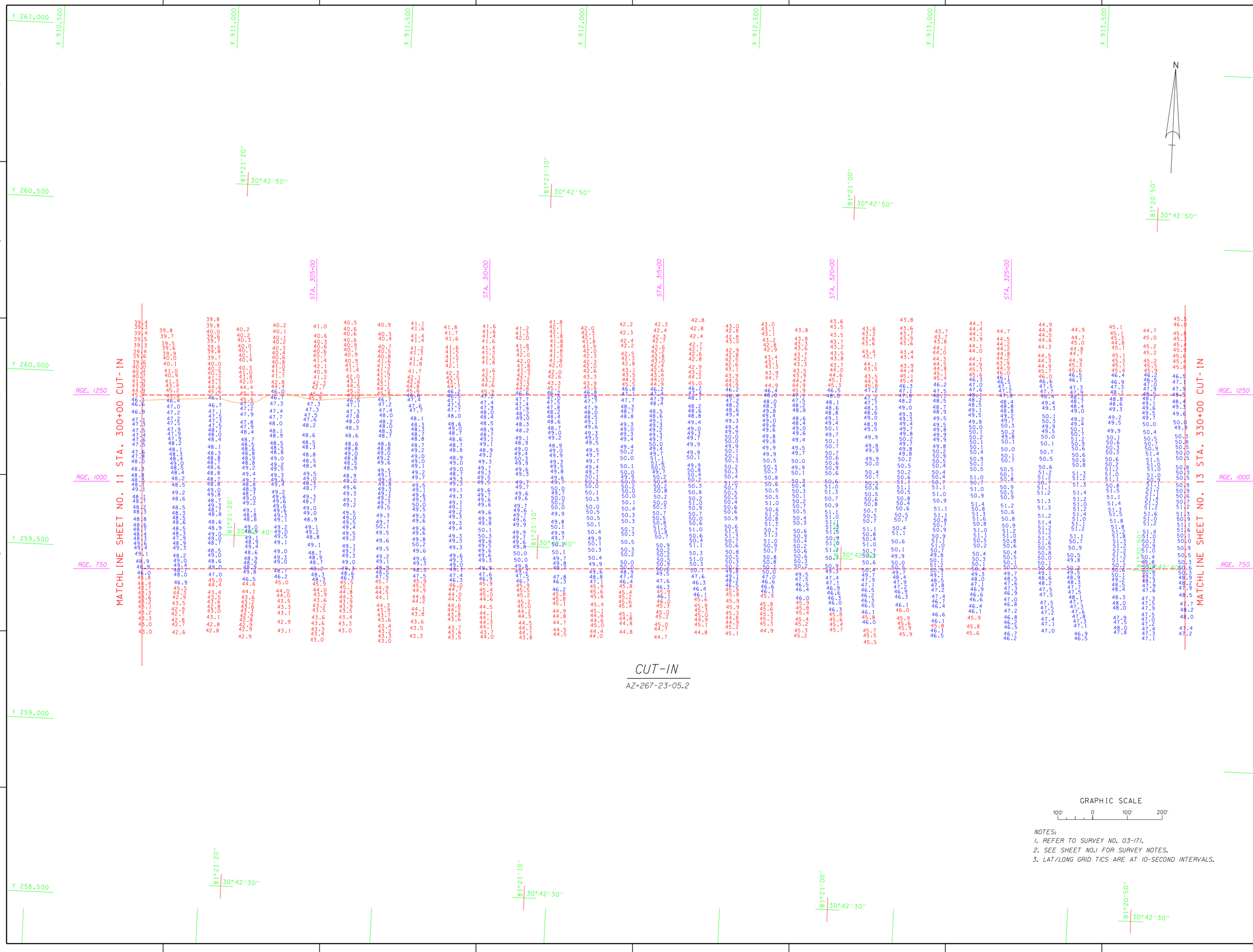
U.S. NAVY ENTRANCE CHANNEL
KINGS BAY, GEORGIA

PROJECT CONDITION SURVEY
42 & 46-FOOT PROJECT
4TH QUARTER FY03

STA. 270+00 THRU STA. 300+00 CUT-1N
PLAN

DRAWING NO.
11/18

SHEET 11 OF 23



CUT-IN

AZ=267-23-05.2

GRAPHIC SCALE

100' 0 100' 200'

NOTES:

1. REFER TO SURVEY NO. 03-171.
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	Approved

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

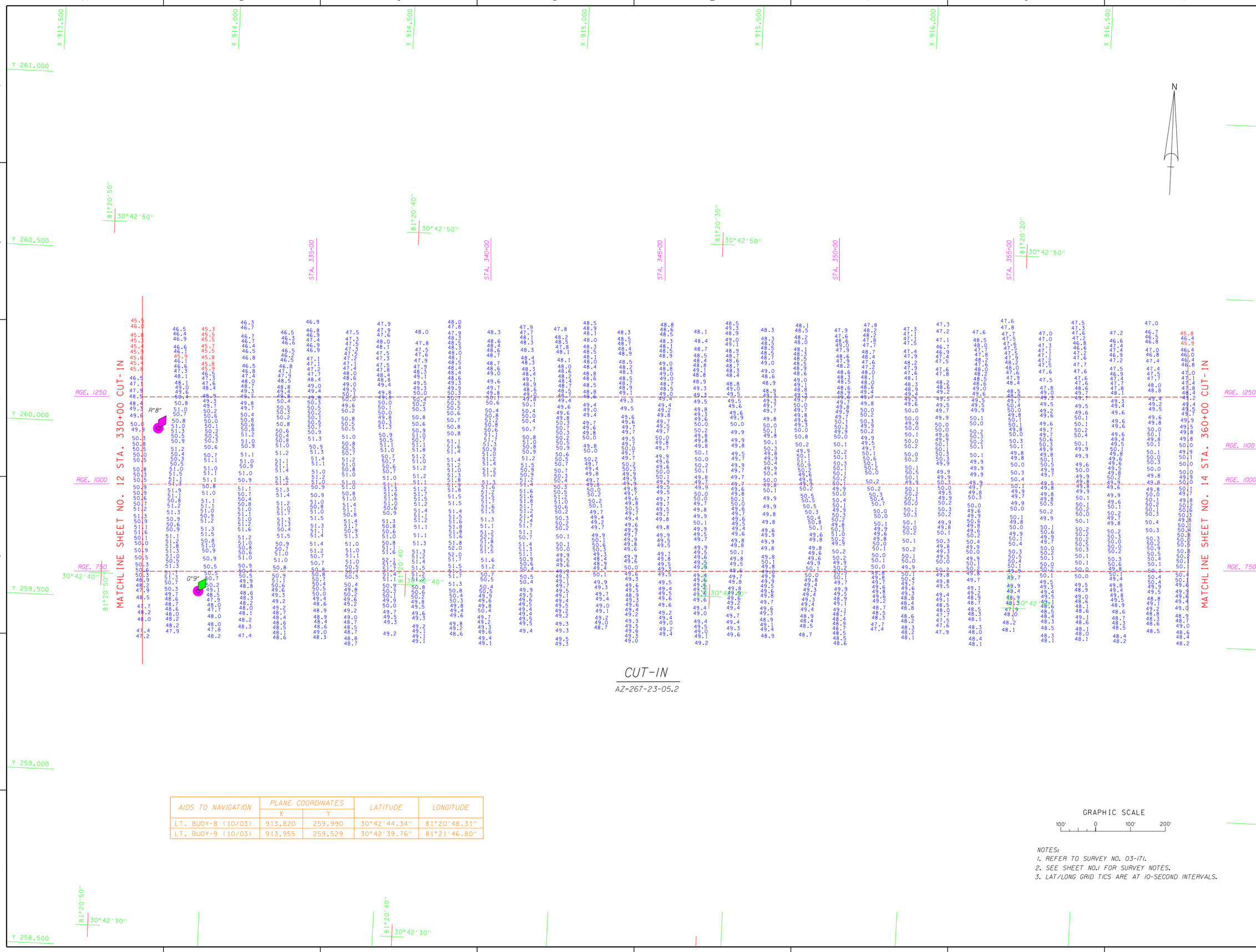
Designed by: RWH
Dwn by: WRM
Ckd by: WRM
Inv. No. DACW17-99-C-0032
Dated: XX XXX XXXX
Scale: AS SHOWN
Plot date: xx xx xxxx
Plot scale: XXX
Dated: OCT 2003
D.O.FILE NO.

File name: E17ISH12.DGN
Reference files: BRDR98.DGN E17ICIN.DGN KBCHAN83NEW.DGN 83LLTICS.DGN CON46.DGN

U.S. NAVY ENTRANCE CHANNEL
KINGS BAY, GEORGIA
PROJECT CONDITION SURVEY
42 & 46-FOOT PROJECT
4TH QUARTER FY03
STA. 300+00 THRU STA. 330+00 CUT-IN
PLAN

DRAWING NO.
12/18

SHEET 12 OF 23



CUT-IN

AZ=267-23-05.2

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-8 (10/03)	913,820	259,990	30°42'44.34"	81°20'48.31"
LT. BUOY-9 (10/03)	913,955	259,529	30°42'39.76"	81°21'46.80"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 03-171.
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	Approved

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

Inv. No. DACW17-99-C-0032
Dated: XX XXX XXXX
Scale: AS SHOWN
Plot date: xx xx xxxx
Plot scale: XX:X

Designed by: RWH
Dwn by: WRM
Ckd by: WRM

Dated: OCT 2003
D.O.FILE NO.

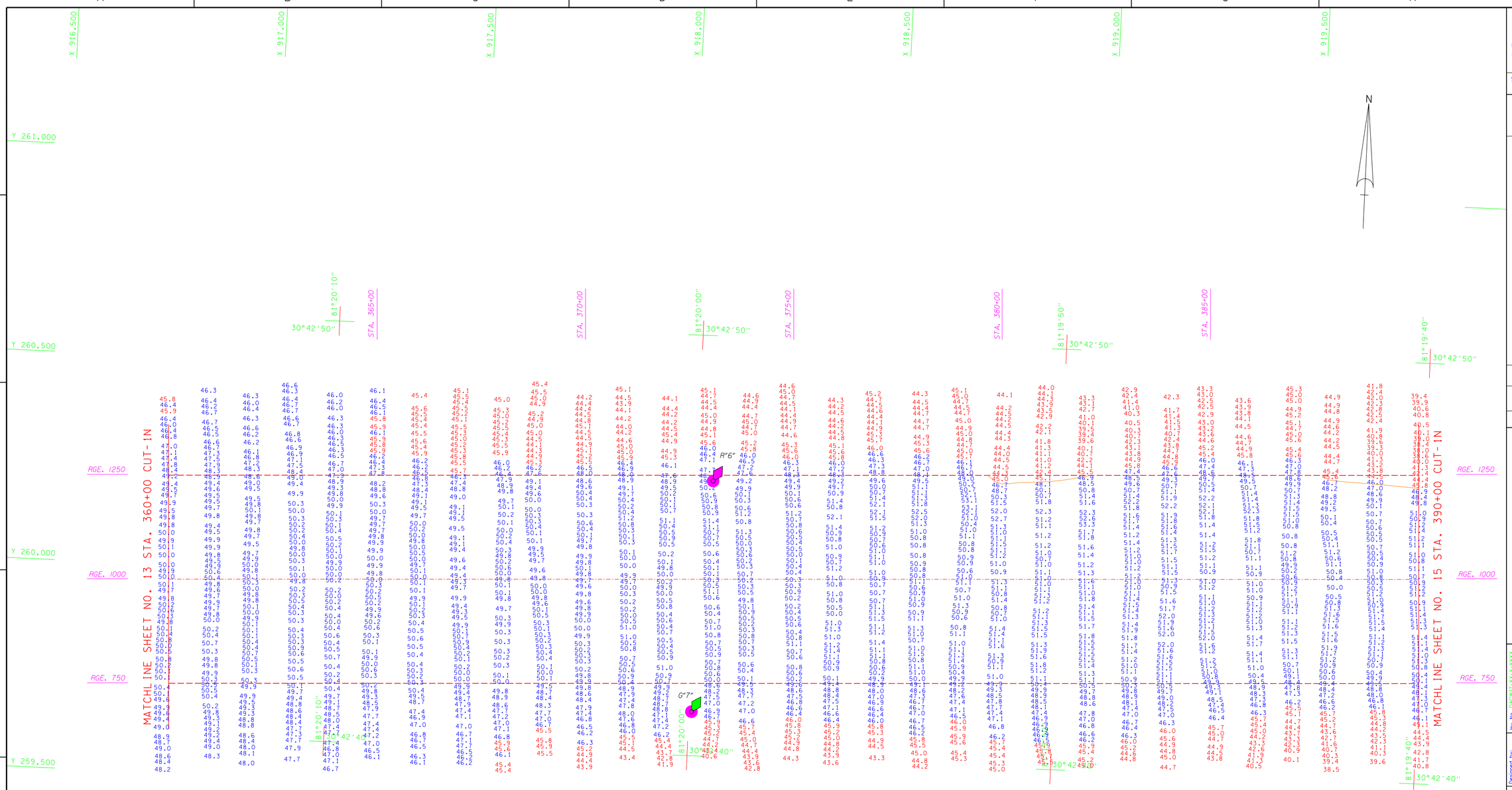
File name: E17SH13.DGN
Reference files: BRDR98.DGN KBCHAN8.DGN E17CIN.DGN 83LLTICS.DGN E17NAV.DGN

U.S. NAVY ENTRANCE CHANNEL
KINGS BAY, GEORGIA

PROJECT CONDITION SURVEY
42 & 46-FOOT PROJECT
4TH QUARTER FY03
STA. 330+00 THRU STA. 360+00 CUT-IN
PLAN

DRAWING NO.
13/18

SHEET 13 OF 23

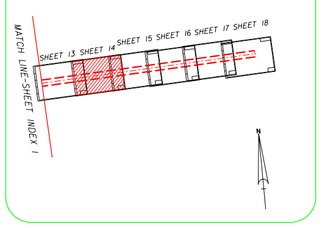


CUT-IN

AZ=267-23-05.2

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-6 (10/03)	918,073	260,261	30°42'46.70"	81°19'59.57"
LT. BUOY-7 (10/03)	918,046	259,705	30°42'41.20"	81°19'59.92"

SHEET INDEX



GRAPHIC SCALE

100' 0 100' 200'

NOTES:

1. REFER TO SURVEY NO. 03-171.
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	Approved

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

Inv. No. DACW17 XX-X-XXXX
Datum: XX XXX XXXX
Scale: AS SHOWN
Plot date: xx xx xxxx
Plot scale: XX:X

Designed by: RWH
Dwn by: WRM
Ckd by: WRM

Date: OCT 2003

D.O.F. FILE NO.

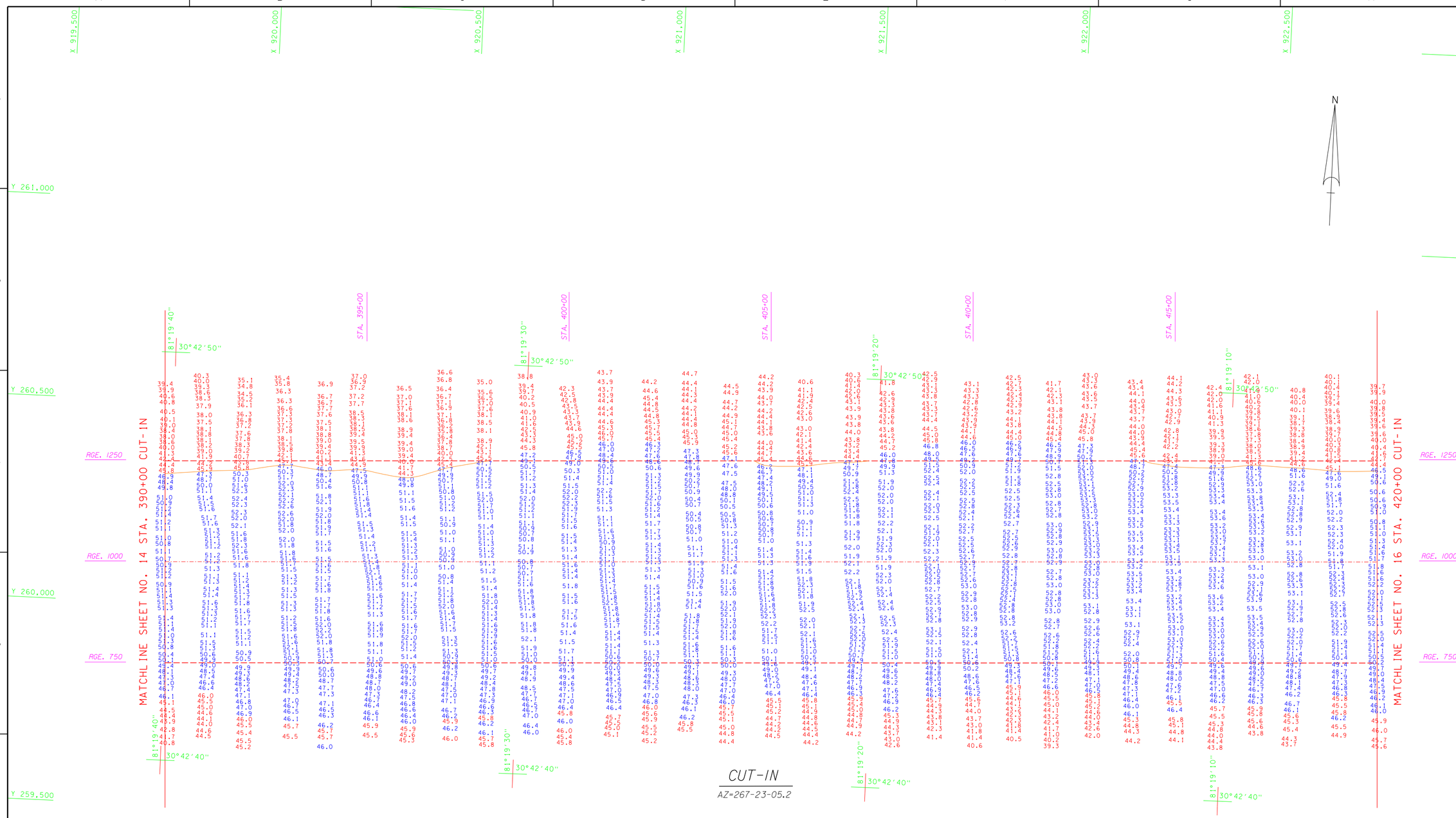
File name: ETS9414.DGN

Reference files: BKDR98.DGN
KINGSBAY2WRM.DGN
KBINGE2WEN.DGN
BULLTICS.DGN
ETTNAV.DGN
ETTNAV2.DGN
CON46.DGN

U.S. NAVY ENTRANCE CHANNEL
KINGS BAY, GEORGIA
PROJECT CONDITION SURVEY
42 & 46-FOOT PROJECT
4TH QUARTER FY03
STA. 360 -00 THRU STA. 390-00 CUT-1N
PLAN

DRAWING NO.
14/18

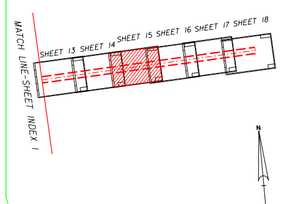
SHEET 14 OF 23



CUT-IN

AZ=267-23-05.2

SHEET INDEX



GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 03-171.
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	Approved

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

Inv. No. DACW17-XX-X-XXXX
Dated: XX XXX XXXX

Designed by: RJH
Dwn by: WRM
Ckd by: WRM
Scale: AS SHOWN
Plot date: xx xx xxxx
Plot scale: XX:X

Dated: OCT 2003
D.O.FILE NO.

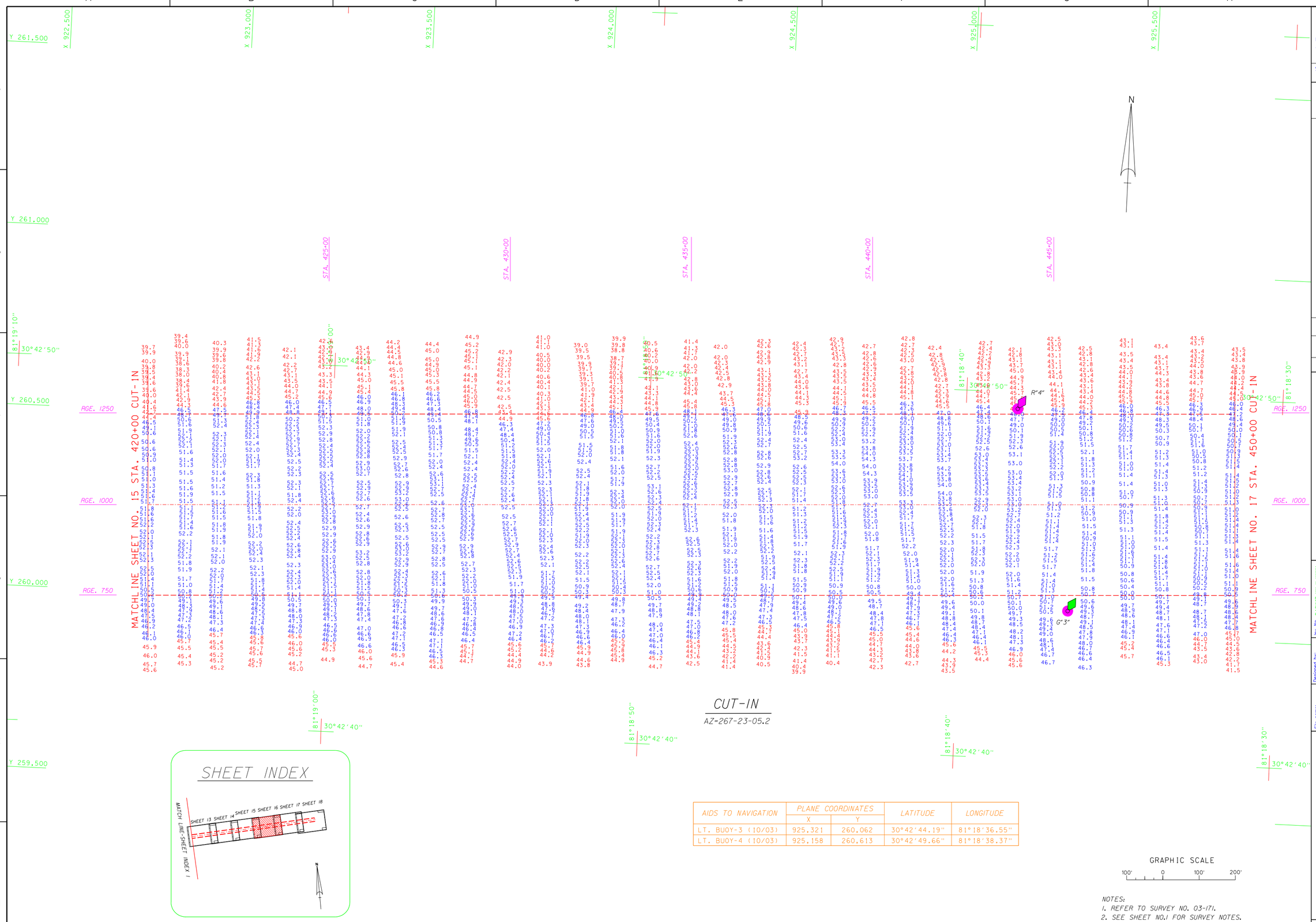
File name: ET10V15.DGN

Reference files:
BRDRP98.DGN
KBCHANB3NEW.DGN
BASLINE3.DGN
KBCUTXS1.DGN
ET7CTN.DGN

U.S. NAVY ENTRANCE CHANNEL
KINGS BAY, GEORGIA
PROJECT CONDITION SURVEY
42 & 46-FOOT PROJECT
4TH QUARTER FY03
STA. 390+00 THRU STA. 420+00 CUT-IN
PLAN

DRAWING NO.
15/18

SHEET 15 OF 23



CUT-IN

AZ=267-23-05.2

SHEET INDEX

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-3 (10/03)	925,321	260,062	30°42'44.19"	81°18'36.55"
LT. BUOY-4 (10/03)	925,158	260,613	30°42'49.66"	81°18'38.37"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 03-171.
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	Approved

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

Inv. No. DACW17-XX-X-XXXX
Dated: XX XXX XXXX
Scale: AS SHOWN
Plot date: xx xx xxxx
Plot scale: XX:X

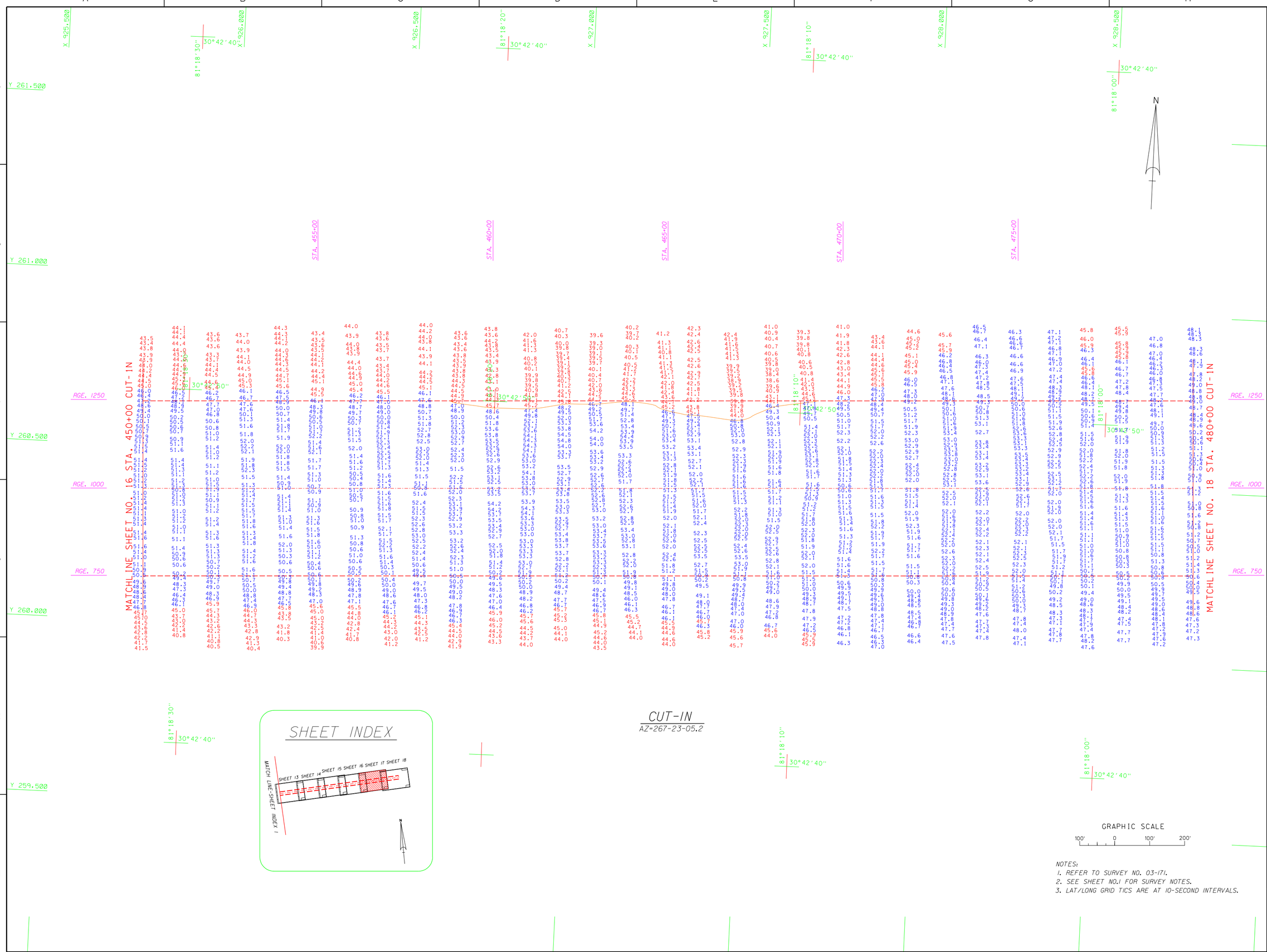
Designed by: RWH
Dwn by: WRM
Ckd by: WRM
Dated: OCT 2003
D.O.FILE NO.

File name: E17SH16.DGN
Reference files: BRDR98.DGN KBCHAN8.NEW.DGN KBINDEX2NEW.DGN 83LLTICS.DGN E17NAV.DGN E17ICNLDGN

U.S. NAVY ENTRANCE CHANNEL
KINGS BAY, GEORGIA
PROJECT CONDITION SURVEY
42 &46-FOOT PROJECT
4TH QUARTER FY03
STA. 420+00 THRU STA. 450+00 CUT-IN
PLAN

DRAWING NO.
16/18

SHEET 16 OF 23



NOTES:
1. REFER TO SURVEY NO. 03-171.
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	Approved

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

Inv. No. DACW17-XX-X-XXXX
Dated: XX XXX XXXX
Scale: AS SHOWN
Plot date: xx xx xxxx
Plot scale: XX:X

Designed by: RWH
Dwn by: WRM
Ckd by: WRM

Dated: OCT 2003
D.O.FILE NO.

File name: ET3CUT1.DGN

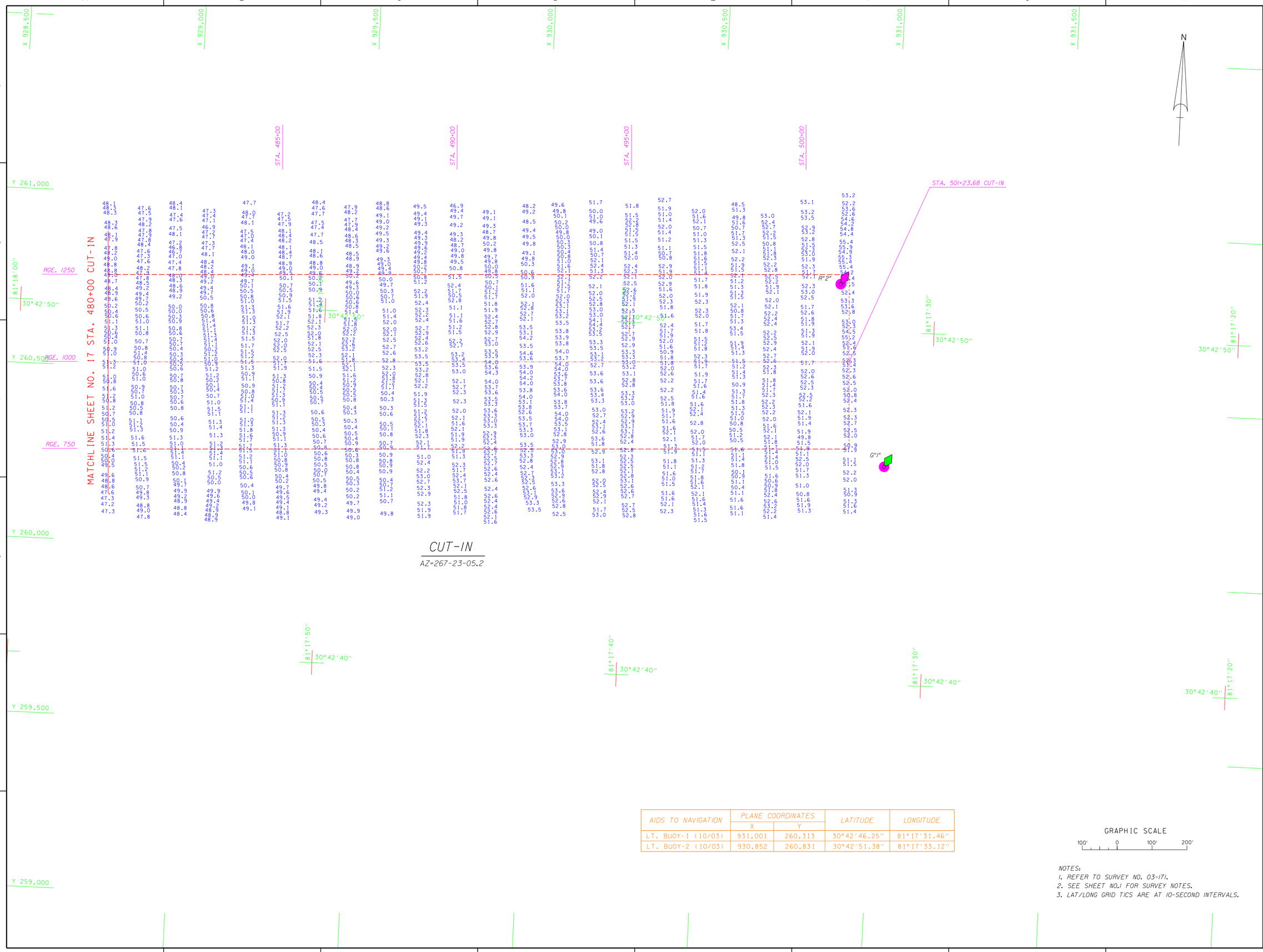
Reference files:
BRDRB.DGN
ABCHAR8.SIE.W.DGN
ABCHAR8.SIE.E.DGN
B3LLT1CS.DGN
E17CIN.DGN
CDR46.DGN

U.S. NAVY ENTRANCE CHANNEL
KINGS BAY, GEORGIA

PROJECT CONDITION SURVEY
42 & 46-FOOT PROJECT
4TH QUARTER FY03
STA. 450+00 THRU STA. 480+00 CUT-1N
PLAN

DRAWING NO.
17/18

SHEET 17 OF 23



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-1 (10/03)	931,001	260,313	30°42'46.25"	81°17'31.46"
LT. BUOY-2 (10/03)	930,852	260,831	30°42'51.38"	81°17'33.12"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 03-171.
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	Approved

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

Inv. No. DACW17-XX-X-XXXX
Dated: XX XXX XXXX
Scale: AS SHOWN
Plot date: xx xx xxxx
Plot scale: XXX

Designed by: RWH
Dwn by: WRM
Ckd by: WRM

Dated: OCT. 2003
D.O.FILE NO.

File name: ETPSHT18.DGN
Reference files: BGD998.DGN BGDNAV99.DGN ETCYC.DGN B3LLTICS.DGN ETFNAV.DGN

U.S. NAVY ENTRANCE CHANNEL
KINGS BAY, GEORGIA
PROJECT CONDITION SURVEY
46-FOOT PROJECT
4TH QUARTER FY03
STA. 480+00 CUT-IN STA. 501+23.68 CUT-IN
PLAN

DRAWING NO.
18/18

SHEET 18 OF 23