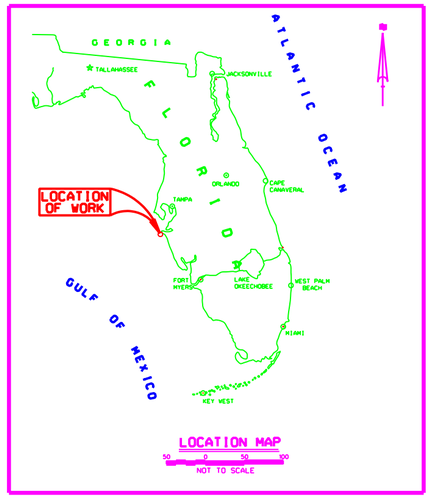
LONGBOAT PASS
MANATEE COUNTY, FLORIDA
PROJECT CONDITION SURVEY



LOCATION MAP

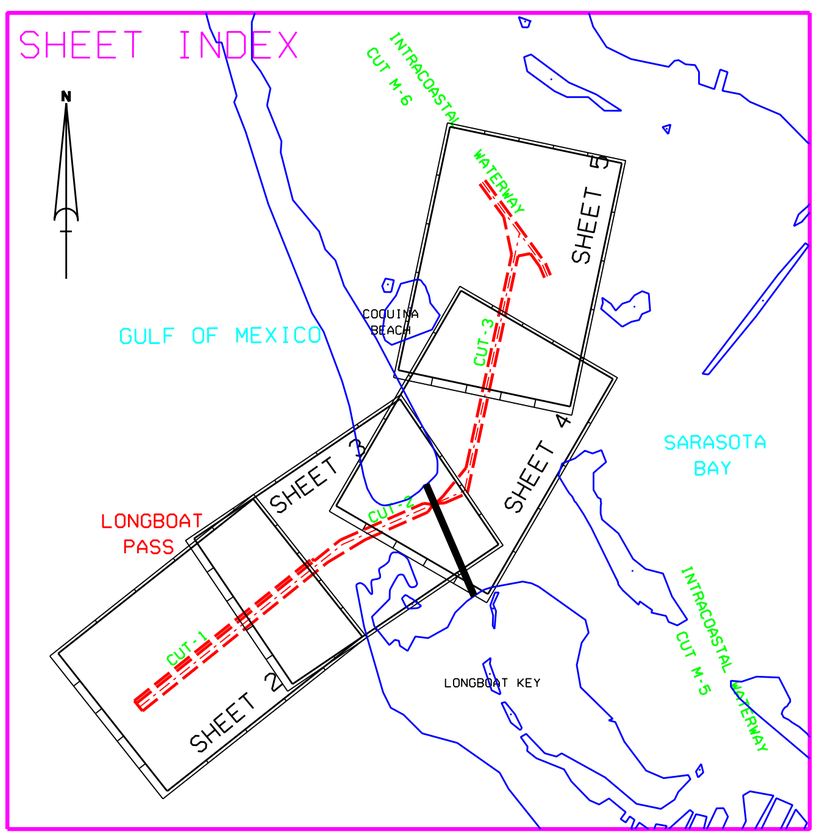
NOT TO SCALE

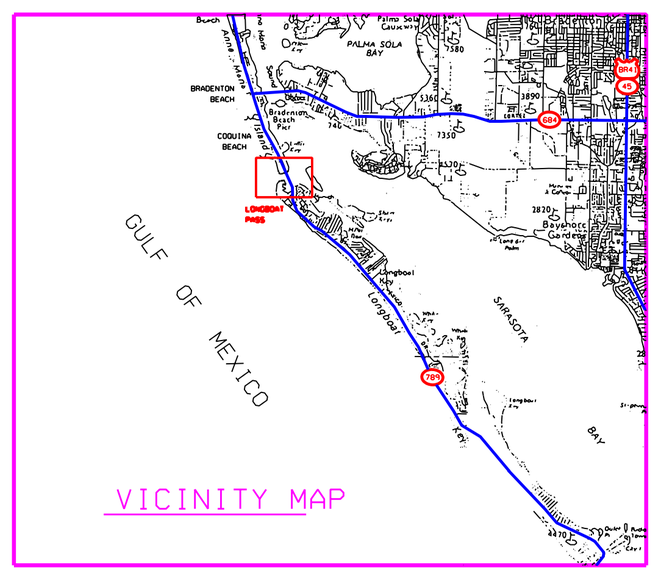
SURVEY NOTES:

1. REFER TO SURVEY NO. 06-106.
2. ELEVATIONS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER (MLLW) WHICH IS 0.79 FEET BELOW NGVD 1929.
3. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (-) SIGN.
4. TIDAL REDUCTIONS WERE MADE FROM A STAFF SET ON A WOODEN PILING IN THE VICINITY OF AND REFERENCED FROM BENCHMARK "M-4 CHISLED X RGE AZ PT".
5. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE WEST ZONE OF FLORIDA 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 DIFFERENTIAL GPS FOR POSITIONING AND UTILIZING THE USCG NAVBEACON SYSTEM AS THE REFERENCE SITE. VERTICAL MEASUREMENTS WERE MADE USING A ROSS SMART SOUNDER DEPTH RECORDER WITH A 200KHZ (HIGH FREQUENCY) TRANSDUCER.

VESSEL	DATE OF SURVEY	CUT
WB-34	23-24 MAY 2006	1, 2 & 3

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 THE 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.





VICINITY MAP

BENCHMARK	NGVD ELEV. (FT)
M4 RGE AZ PT	4.82

NGVD 1929

0.79 FEET

M.L.L.W.

RELATIONSHIP BETWEEN NGVD 1929 AND NOAA MEAN LOWER LOW WATER TIDAL DATUM (1960-1978 EPOCH)

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

GRAPHIC SCALE

900' 0 900' 1800'

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:X
Plot scale: XX:X
Designed by: WRM
Dwn by: WRM
Ckd by: WRM
Date: MAY 2006
D.O. FILE NO.

File name: 06-106SH01.DGN
Reference files: BRDR98.DGN INDEX83.DGN LBCHAN83.DGN LBTOPO83.DGN

LONGBOAT PASS, FLORIDA
MANATEE COUNTY
PROJECT CONDITION SURVEY
10 & 12-FOOT PROJECT
COVER SHEET
PLAN

DRAWING NO.
1/5

SHEET 1 OF 5

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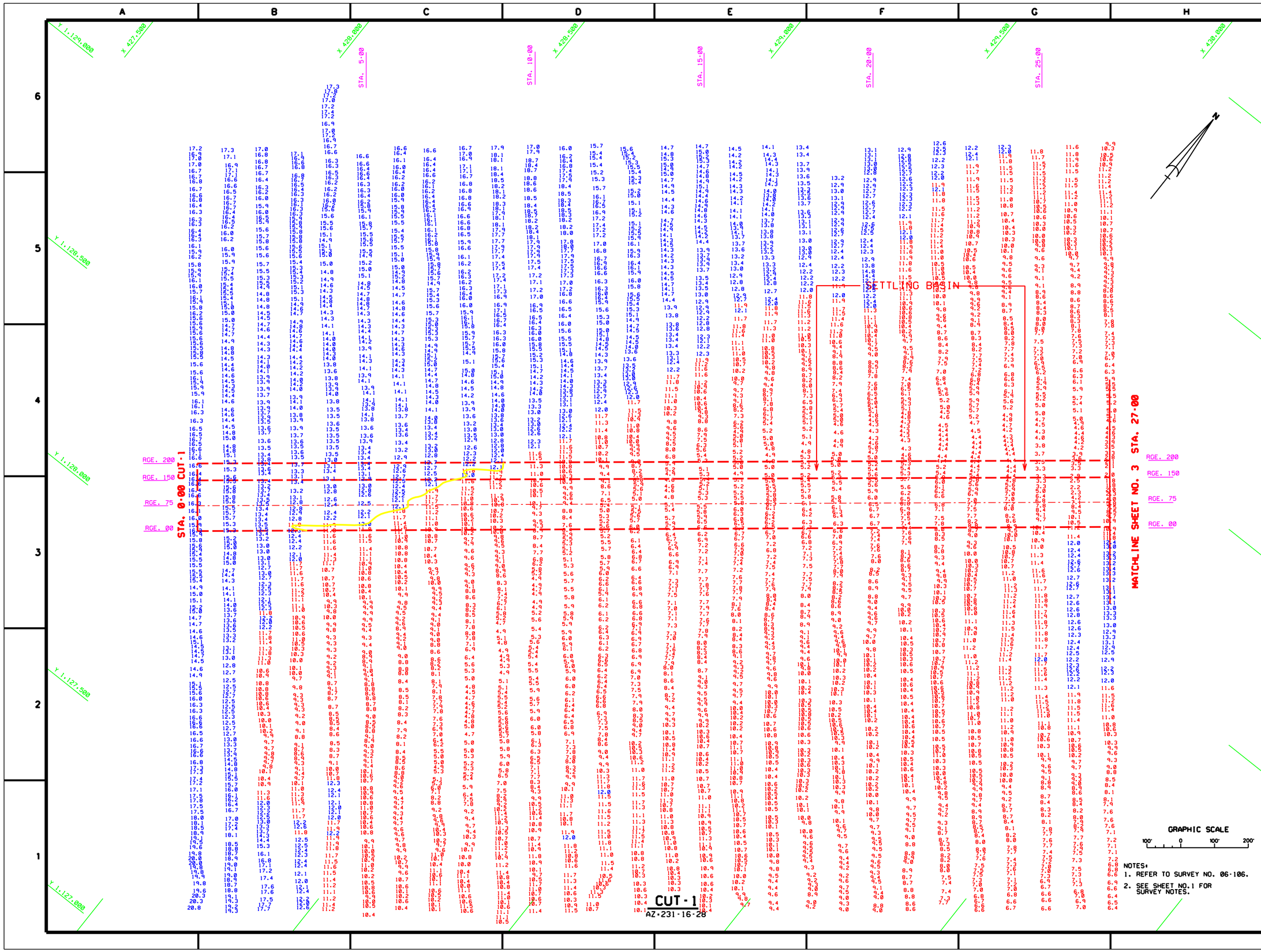

NOTES:
1. REFER TO SURVEY NO. 06-106.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

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JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

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

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

File name: 06-106SH02.DGN
Reference files: BRDR98.DGN LBCHAN83.DGN 06-106CT1.DGN CONT2.DGN

Date: MAY 2006
D.O. FILE NO.

LONGBOAT PASS
MANATEE COUNTY, FLORIDA
PROJECT CONDITION SURVEY
10 & 12-FOOT PROJECT
STA. 0+00 THRU STA. 27+00 CUT-1
PLAN

DRAWING NO.
2/5

SHEET 2 OF 5

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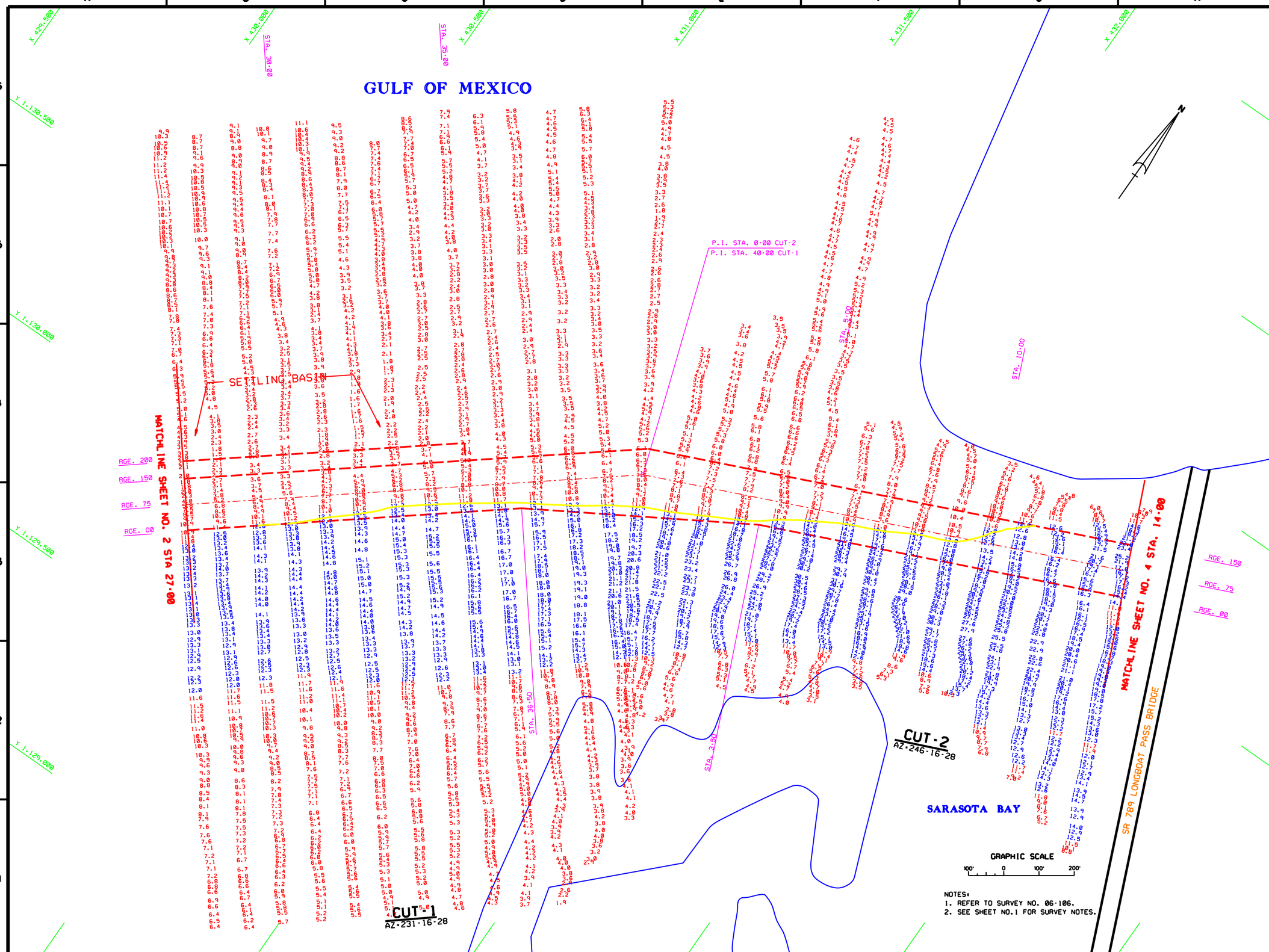

NOTES:
1. REFER TO SURVEY NO. 06-106.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Date	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
Plot scale: XX:X

Designed by: WRM
Date: XXX
Drawn by: WRM
Date: XXX
Checked by: XXX
Date: XXX

Dated: MAY 2006
D.O. FILE NO.

File name: 06-106SH03.DGN
Reference files: BR0906.DGN
LBCHART3.DGN
LBTOPO03.DGN
06-106C11.DGN
06-106C12.DGN
CONV2.DGN

LONGBOAT PASS
MANATEE COUNTY, FLORIDA
PROJECT CONDITION SURVEY
10 & 12-FOOT PROJECT
STA. 27-00 CUT-1 THRU STA. 14-00 CUT-2
PLAN

DRAWING NO.
3/5

SHEET 3 OF 5

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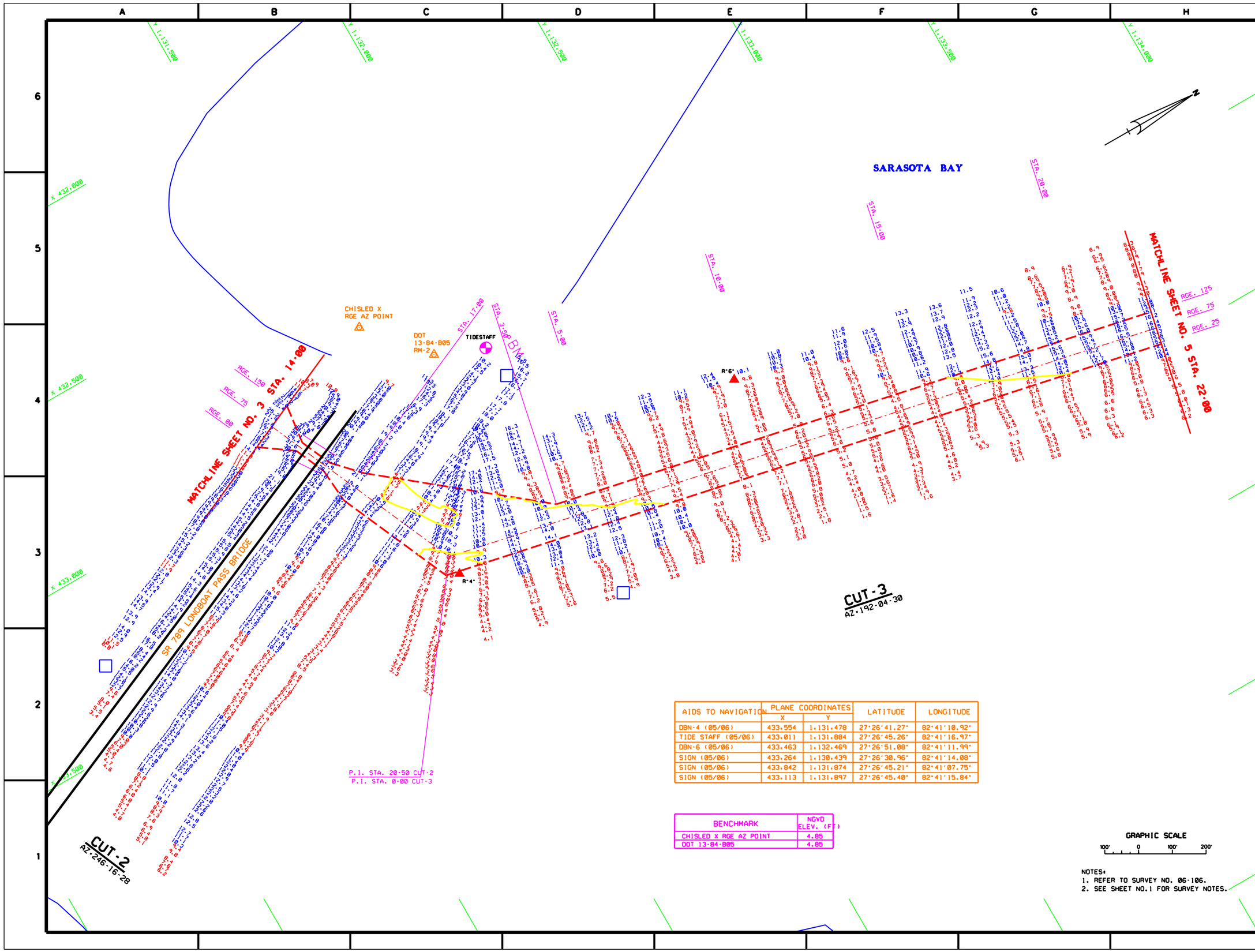

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-4 (05/06)	433.554	1.131.478	27°26'41.27"	82°41'10.92"
TIDE STAFF (05/06)	433.011	1.131.884	27°26'45.26"	82°41'16.97"
DBN-6 (05/06)	433.463	1.132.469	27°26'51.08"	82°41'11.99"
SIGN (05/06)	433.264	1.130.439	27°26'30.96"	82°41'14.08"
SIGN (05/06)	433.842	1.131.874	27°26'45.21"	82°41'07.75"
SIGN (05/06)	433.113	1.131.897	27°26'45.40"	82°41'15.84"

BENCHMARK	NGVD ELEV. (FT)
CHISLED X RGE AZ POINT	4.85
DOT 13-84-B05	4.85

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 06-106.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Date	Description	Approved

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

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

Designed by: (PM)
Dwn by: (DM)
Chk by: (DM)

Dated: MAY 2006
D.O. FILE NO.

File name: 06-106SH04.DGN
Reference files: BGORGIS.DGN LBCHWB3.DGN LBTOPOB3.DGN 06-106CT1.DGN 06-106CT3.DGN 06-106CT2.DGN CONTO.DGN

LONGBOAT PASS
MANATEE COUNTY, FLORIDA
PROJECT CONDITION SURVEY
10 & 12-FOOT PROJECT
STA. 14+00 CUT-2 THRU STA. 22+00 CUT-3
PLAN

DRAWING NO.
4/5

SHEET 4 OF 5

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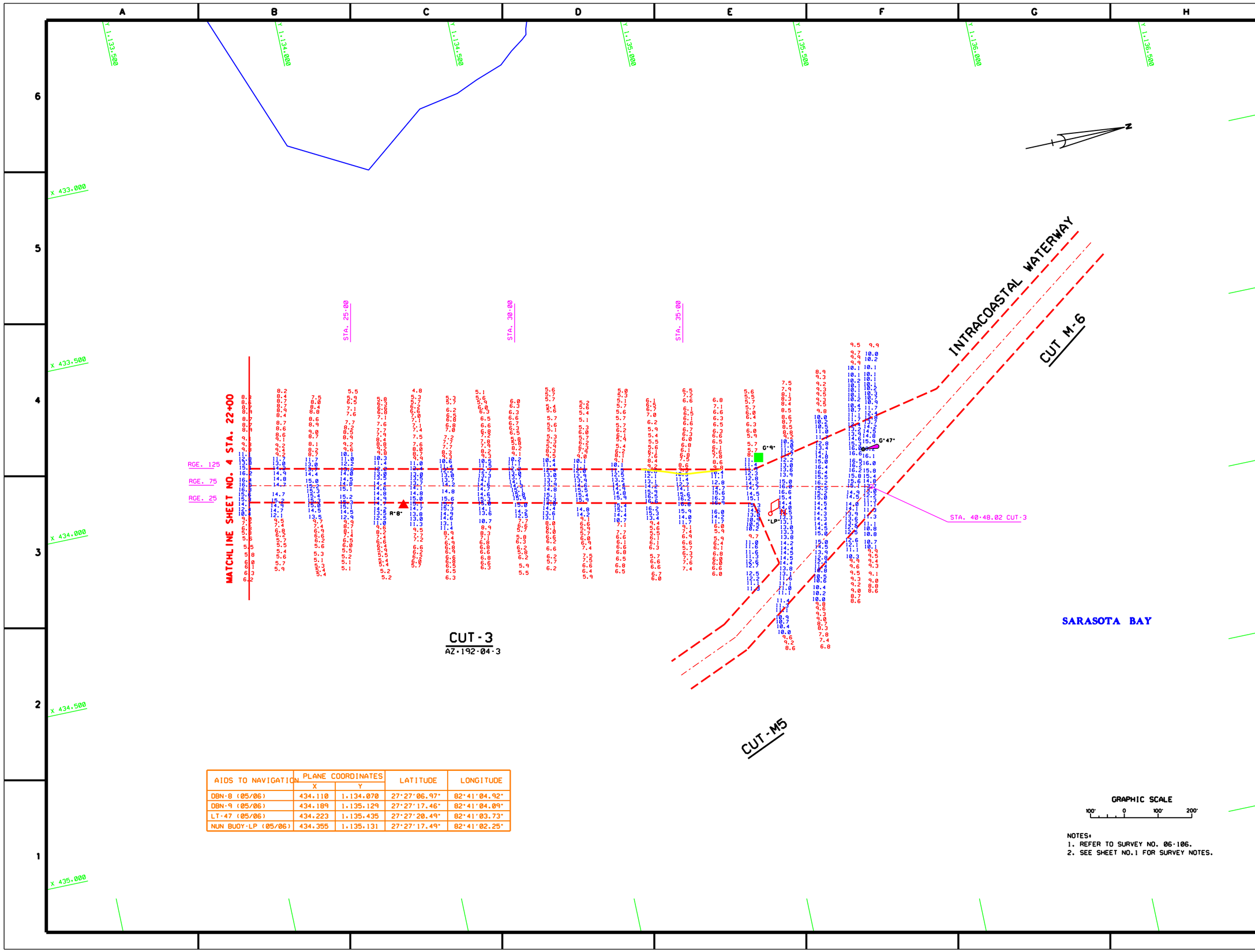

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-8 (05/06)	434.110	1.134.070	27°27'06.97"	82°41'04.92"
DBN-9 (05/06)	434.189	1.135.129	27°27'17.46"	82°41'04.09"
LT-47 (05/06)	434.223	1.135.435	27°27'20.49"	82°41'03.73"
NUN BUOY-LP (05/06)	434.355	1.135.131	27°27'17.49"	82°41'02.25"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 06-106.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

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

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Dwn by: WRM
Ckd by: WRM
Inv. No. DACW17-XX-X-XXXX
Dated: XX XXX XXXX
Scale: AS SHOWN
Plot date:
Plot scale: XX:X
Dated: MAY 2006
D.O.FILE NO.

File name: 06-106SH05.DGN
Reference files: BRDR98.DGN LBCHAN83.DGN LBTOPO83.DGN 06-106NAV.DGN 06-106CT3.DGN CONTO.DGN

LONGBOAT PASS
MANATEE COUNTY, FLORIDA
PROJECT CONDITION SURVEY
10 & 12-FOOT PROJECT
STA.22+00 THRU STA.10+48.20 CUT-3
PLAN

DRAWING NO.
5/5

SHEET 5 OF 5

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