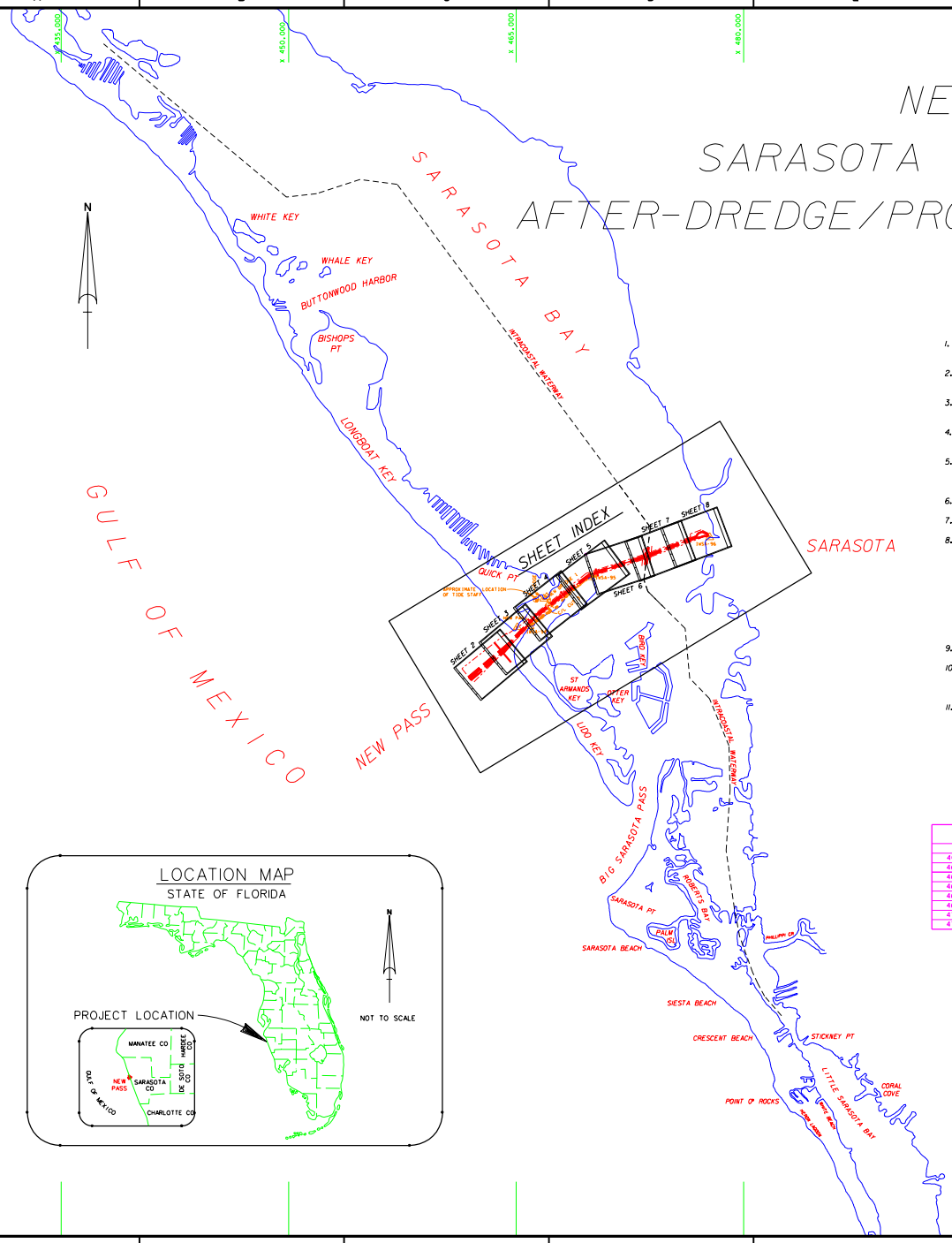
NEW PASS
SARASOTA COUNTY, FLORIDA
AFTER-DREDGE/PROJECT CONDITION SURVEY



SURVEY NOTES:

1. REFER TO SURVEY NO. 03-088. THIS SURVEY ALSO INCLUDES AFTER-DREDGE SURVEYS NO. 03-059 & 03-081.
2. ELEVATIONS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER (MLLW) WHICH IS 0.67 FEET BELOW NGVD 1929.
3. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGN.
4. TIDAL REDUCTIONS WERE MADE FROM MEASURE DOWN POINT AT BENCHMARK "EDGE".
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	04 FEB 2003	CUT-1
WB-34	19 MAR 2003	CUT-2 THRU 4
WB-34	20 MAR 2003	CUT 4-7 & TURNING BASIN

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.
11. SURVEY ACCURACY PERFORMANCE STANDARDS, QUALITY CONTROL, AND QUALITY ASSURANCE REQUIREMENTS WERE FOLLOWED DURING THIS SURVEY IN ACCORDANCE WITH EM 1110-2-1003 HYDROGRAPHIC SURVEY, 1 JAN 02.

CHANNEL TABULATION

X	Y	STATION	RANGE	CUT
461,985.31	1,085,761.06	0+00	50	1
464,157.84	1,087,580.33	0+00	50	2
465,245.40	1,088,817.15	0+00	50	3
466,437.99	1,090,015.40	0+00	50	4
468,006.67	1,091,250.92	0+00	50	5
469,888.25	1,092,645.53	0+00	50	6
473,623.22	1,093,870.10	0+00	50	7
476,916.77	1,095,117.72	0+00	190	TB

BENCHMARK	NGVD ELEV. (FT)
EDGE	5.27

ABBREVIATIONS:

PI - POINT OF INTERSECTION
STA - STATION
RGE - RANGE
ELEV- ELEVATION
AZ - AZIMUTH
TB - TURNING BASIN
C/L - CENTERLINE
COE - CORPS OF ENGINEERS

LEGEND

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

GRAPHIC SCALE
100' 0 100' 200'

NGVD 1929
0.67 feet
M.L.L.W.

Relationship between NGVD 1929 and NOAA Mean Lower Low Water Tidal Datum (1960-1978 epoch)

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
Dates: XX XXX XXXX
Scale: AS SHOWN
Plot date: 1:3000
Plot scale:

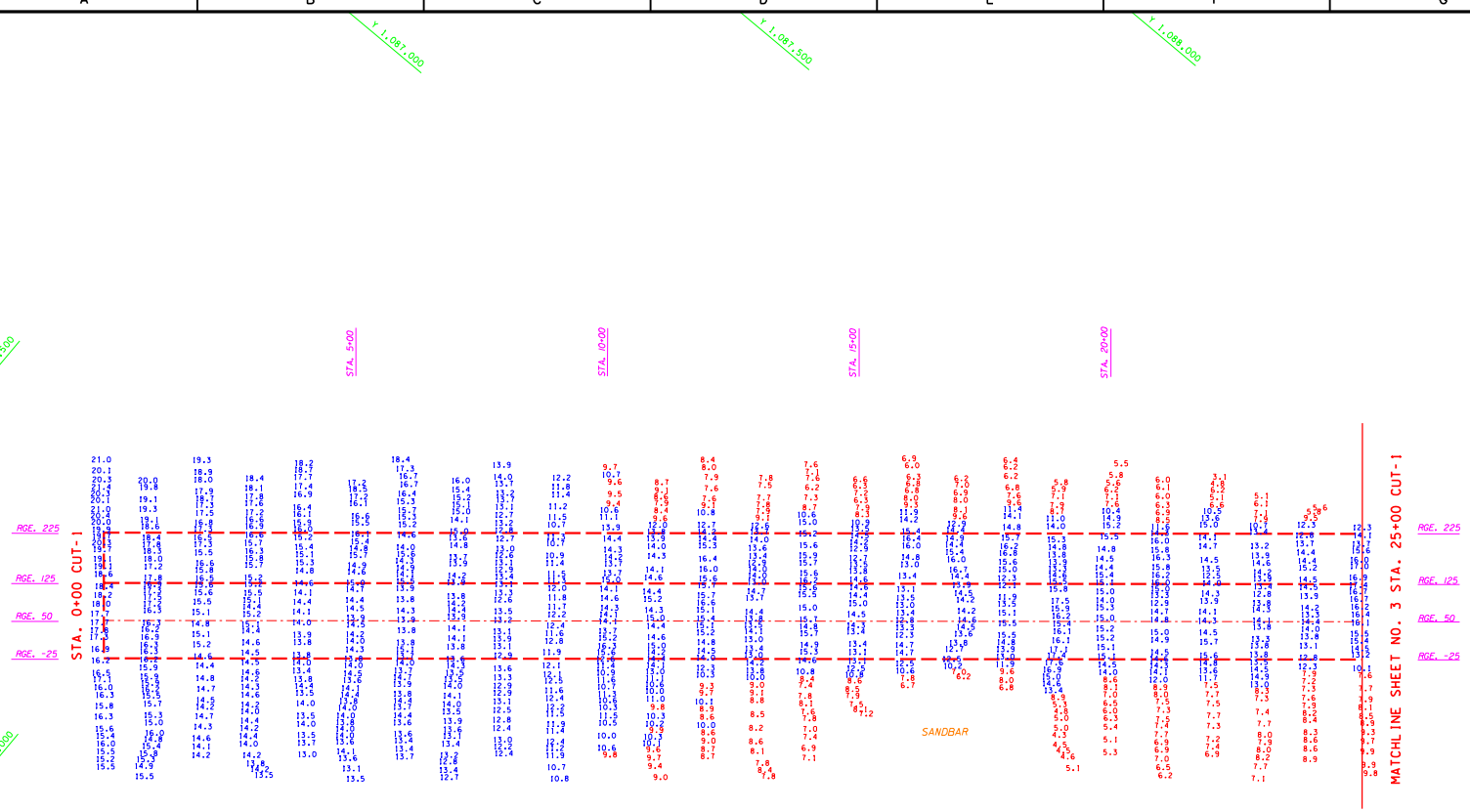
Designed by: Date by: RES
Cost by: MHM
Dates: MAR 2003
D.O. FILE NO.

File name: EDGEBSAD.DGN
Reference files: BDCFIN5.DGN
NPCHNL5.DGN
NPCHNL6.DGN

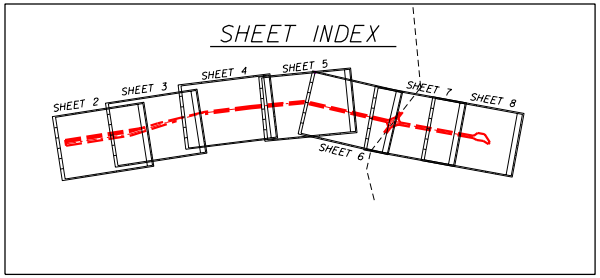
NEW PASS
SARASOTA COUNTY, FLORIDA
AFTER-DREDGE / PROJECT CONDITION SURVEY
8 & 10-FOOT PROJECT
COVER SHEET
PLAN

DRAWING NO.
1/9

SHEET 1 OF 9



CUT-1
AZ=230-03-28



GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 03-059.
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	Approved

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

Inv. No. DACW17-XX-X-XXXX
Dateset XX XXX XXXX
Scale: AS SHOWN
Plot date XX XXX XXXX
Plot scale 1:100

Designed by:
Dwn by: DES
Ckd by: BRW

Dateset FEB 2003
D.O.F. FILE NO.

File name: E08B3H02.DGN
Reference files:
MASTER01.DGN
MPCHB03.DGN
MPCLM03.DGN
MPCLM04.DGN
E05BCT1.DGN

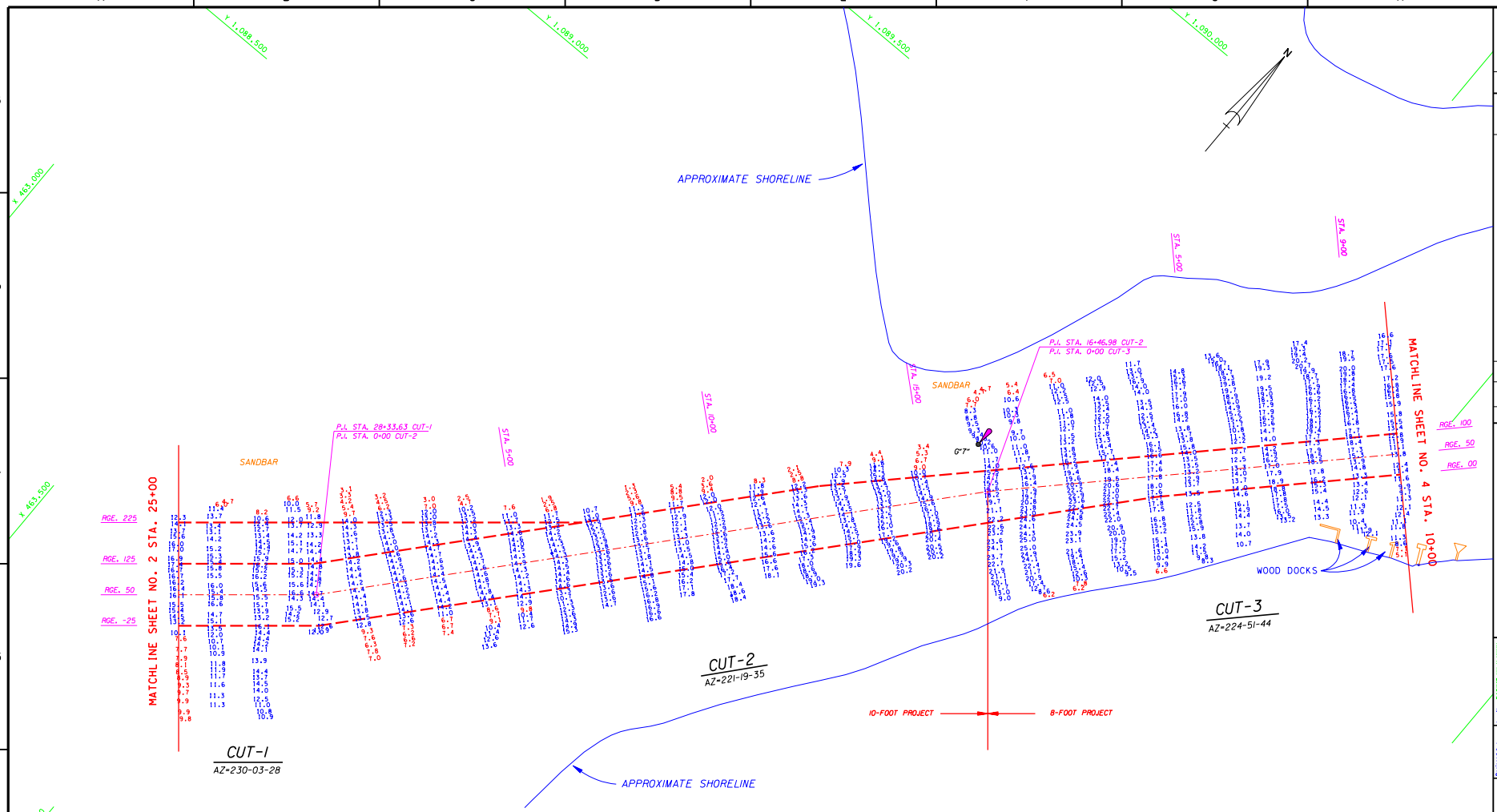
NEW PASS
SARASOTA COUNTY, FLORIDA

AFTER-DREDGE SURVEY
10-FOOT PROJECT

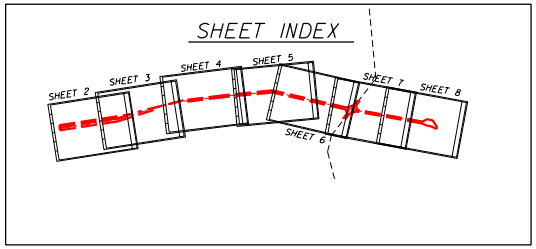
STA. 0+00 CUT-1 THRU STA. 25+00 CUT-1
PLAN

DRAWING NO.
2/9

SHEET 2 OF 9



SHEET INDEX



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-7 (3/03)	465,152	1,088,885	27°19'41.10"	82°35'17.99"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 03-059.
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	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: 3/5/03
Plot scale: 1:100

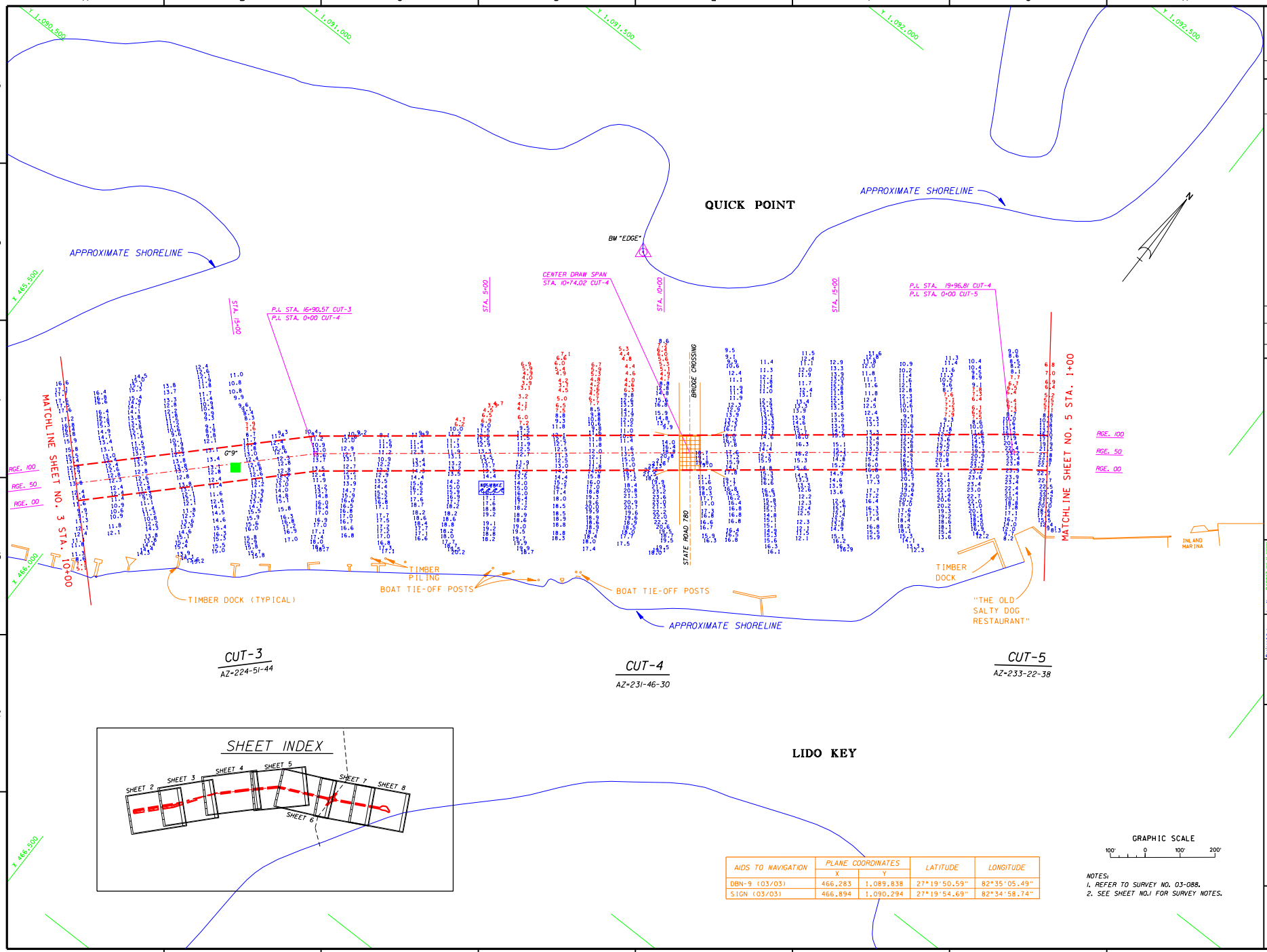
Designed by:
Dwn by: R.E.S.
Ckd by: BRW
Dated: FEB 2003
D.O.F. FILE NO.

File name: 030803-03.DGN
Reference files:
MSCP03.DGN
MSCP483.DGN
MSCP481.DGN
MSCP482.DGN
NPIRDCK.DGN

NEW PASS
SARASOTA COUNTY, FLORIDA
AFTER-DREDGE SURVEY
10-FOOT PROJECT
STA. 25+00 CUT-1 THRU STA. 10+00 CUT-3
PLAN

DRAWING NO.
3/9

SHEET 3 OF 9



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-9 (03/03)	466,283	1,089,838	27°19'50.59"	82°35'05.49"
SIGN (03/03)	466,894	1,090,294	27°19'54.69"	82°34'58.74"

NOTES:
1. REFER TO SURVEY NO. 03-088.
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	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: 1:100
Plot scale:

Designed by: RES
Dwn by: RES
Ckd by: WRW

Dated: MAR 2003
D.O. FILE NO.

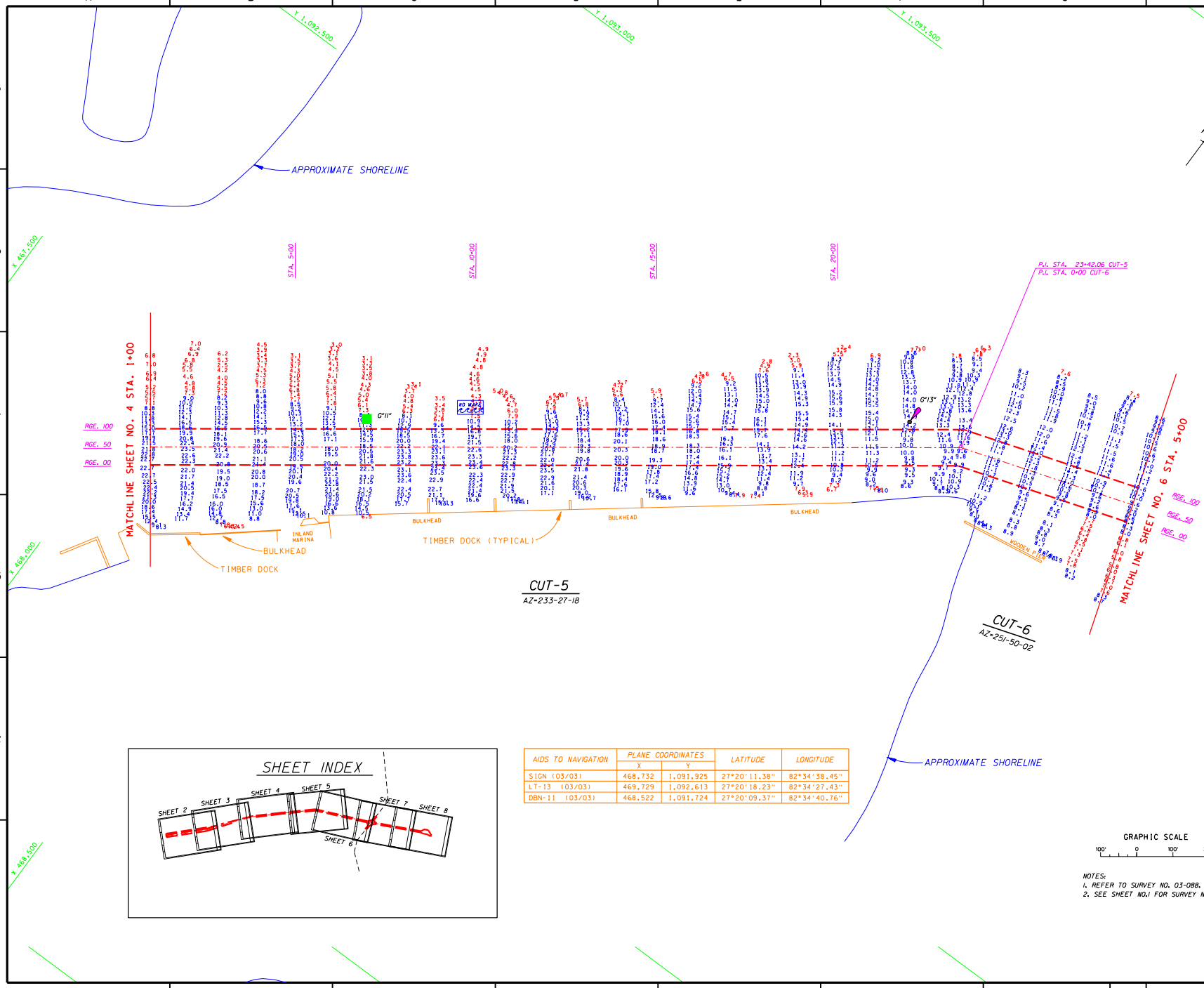
File name: E08E5S04.DGN

Reference files:
NPNL1N3.DGN
NPNL1N4.DGN
NPNL1N5.DGN
CORSET4.DGN
CORBRA1.DGN
MRSEL1.DGN

NEW PASS
SARASOTA COUNTY, FLORIDA
PROJECT CONDITION SURVEY
8 & 10-FOOT PROJECT
STA. 10+00 CUT-3 THRU STA. 1+00 CUT-5
PLAN

DRAWING NO.
4/9

SHEET 4 OF 9



SHEET INDEX

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
SIGN (03/03)	468,732	1,091,925	27°20'11.38"	82°34'38.45"
LT-13 (03/03)	469,729	1,092,613	27°20'18.23"	82°34'27.43"
DBN-11 (03/03)	468,522	1,091,724	27°20'09.37"	82°34'40.76"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 03-088.
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	Approved

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

Inv. No. DACW17-XX-X-XXXX
Dates: XX XXX XXXX
Scale: AS SHOWN
Plot date: 1/30
Plot scale: 1:30

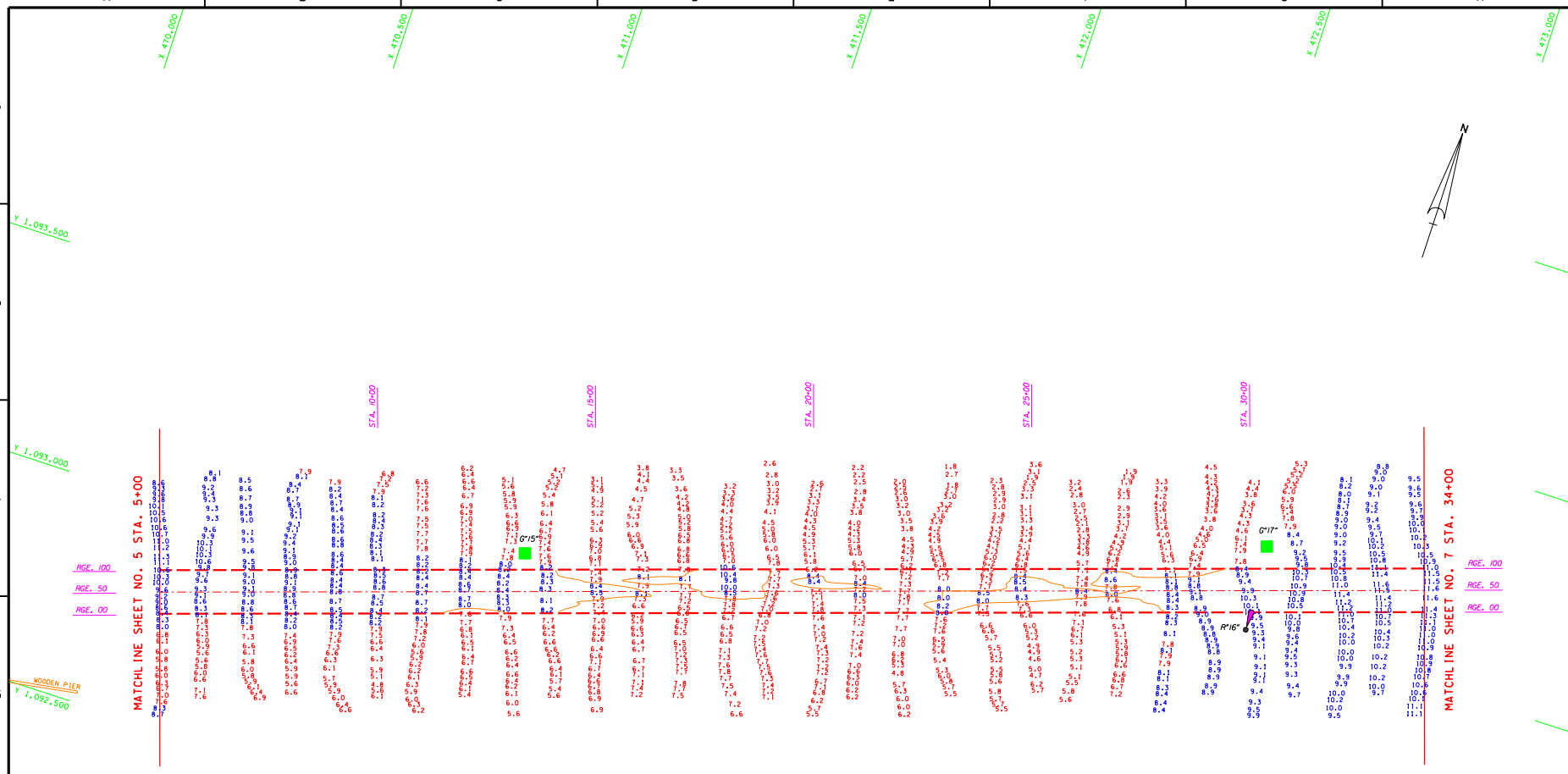
Designed by: Dwn by: R.E.S. Ckd by: WRW
Dates: MAR 2003
D.O.FILE NO.

File name: E08B5H05.DGN
Reference files: BRCHMB.DGN, NEWPL1.DGN, NEWPL1B.DGN, E08B5C1.DGN, E08B5C1B.DGN, NEPINDEX.DGN

NEW PASS
SARASOTA COUNTY, FLORIDA
PROJECT CONDITION SURVEY
8 & 10-FOOT PROJECT
STA. 1+00 CUT-5 THRU STA. 5+00 CUT-6
PLAN

DRAWING NO.
5/9

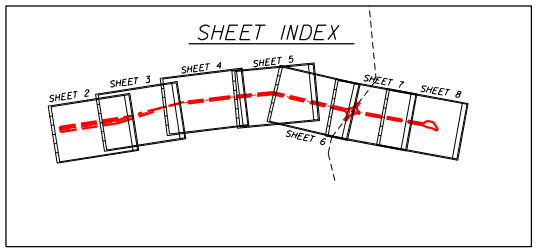
SHEET 5 OF 9



CUT-6

AZ-251-50-02

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-15 (03/03)	471,132	1,093,141	27°20'23.52"	82°34'11.91"
DBN-17 (03/03)	472,744	1,093,683	27°20'28.97"	82°33'54.05"
LT-16 (03/03)	472,755	1,093,486	27°20'27.02"	82°33'53.92"



GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 03-088.
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	Approved

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

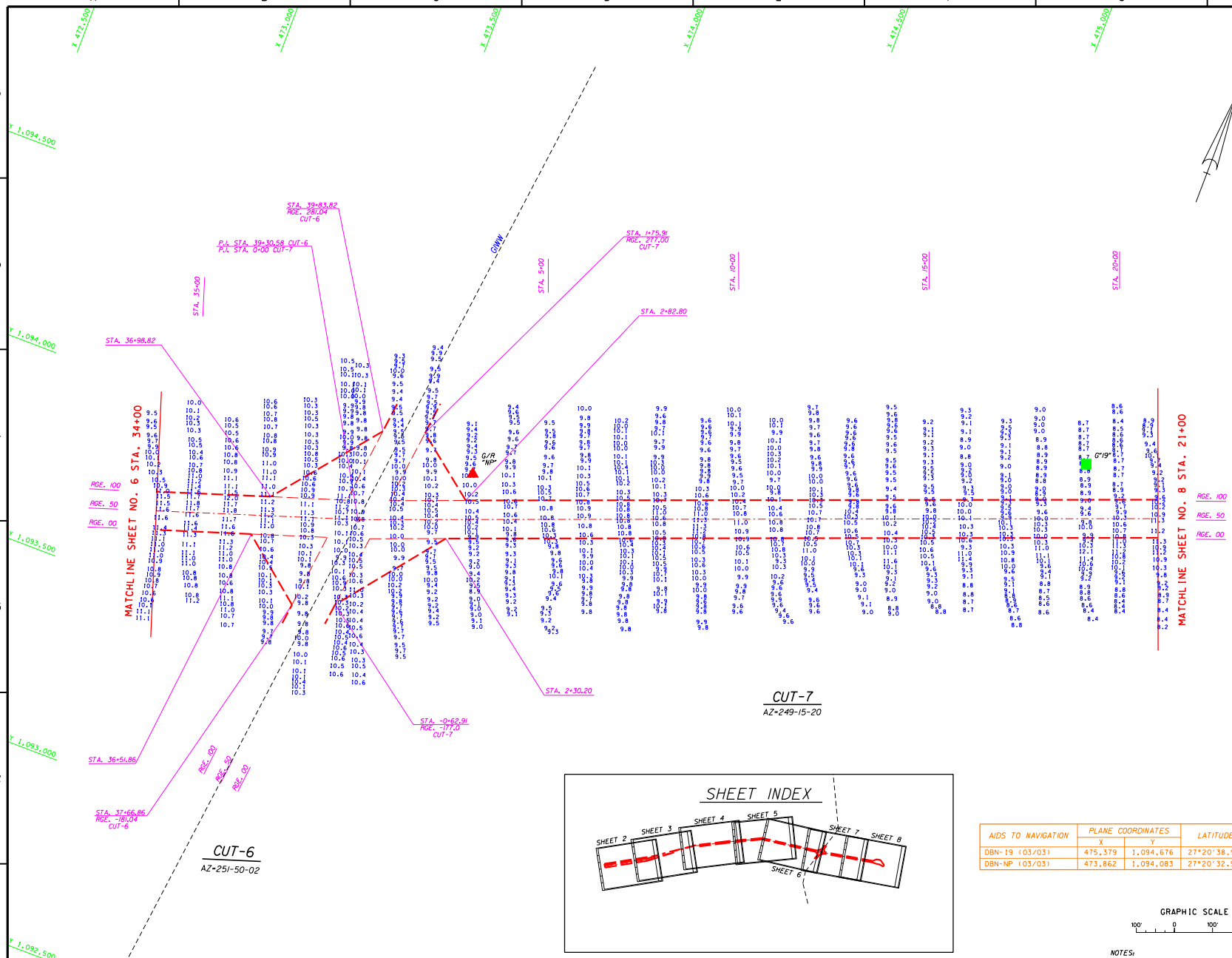
Inv. No. DACW17-XX-X-XXXX
Dataset XX XXX XXXX
Scale: AS SHOWN
Plot date:
Plot scale: 1:100
Designed by: RFM
Dwn by: RFM
Ckd by: RFM
Dated: MAR 2003
D.O.FILE NO.

File name: E08SHA06.DGN
Reference files: BRDRHB.DGN
BRDRLNS.DGN
NOPLNS3.DGN
NOPLNS2.DGN
E08BMAX.DGN
CONB.DGN
CONSEC.DGN

NEW PASS
SARASOTA COUNTY, FLORIDA
PROJECT CONDITION SURVEY
8 & 10-FOOT PROJECT
STA. 5+00 CUT-6 THRU STA. 34+00 CUT-6
PLAN

DRAWING NO.
6/9

SHEET 6 OF 9



SHEET INDEX

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-19 (03/03)	475,379	1,094,676	27°20'38.92"	82°33'25.10"
DBN-NP (03/03)	473,862	1,094,083	27°20'32.97"	82°33'41.67"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 03-088.
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	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:
Plot scale: 1:120

Designed by:
Dwn by: RES
Ckd by: WHW

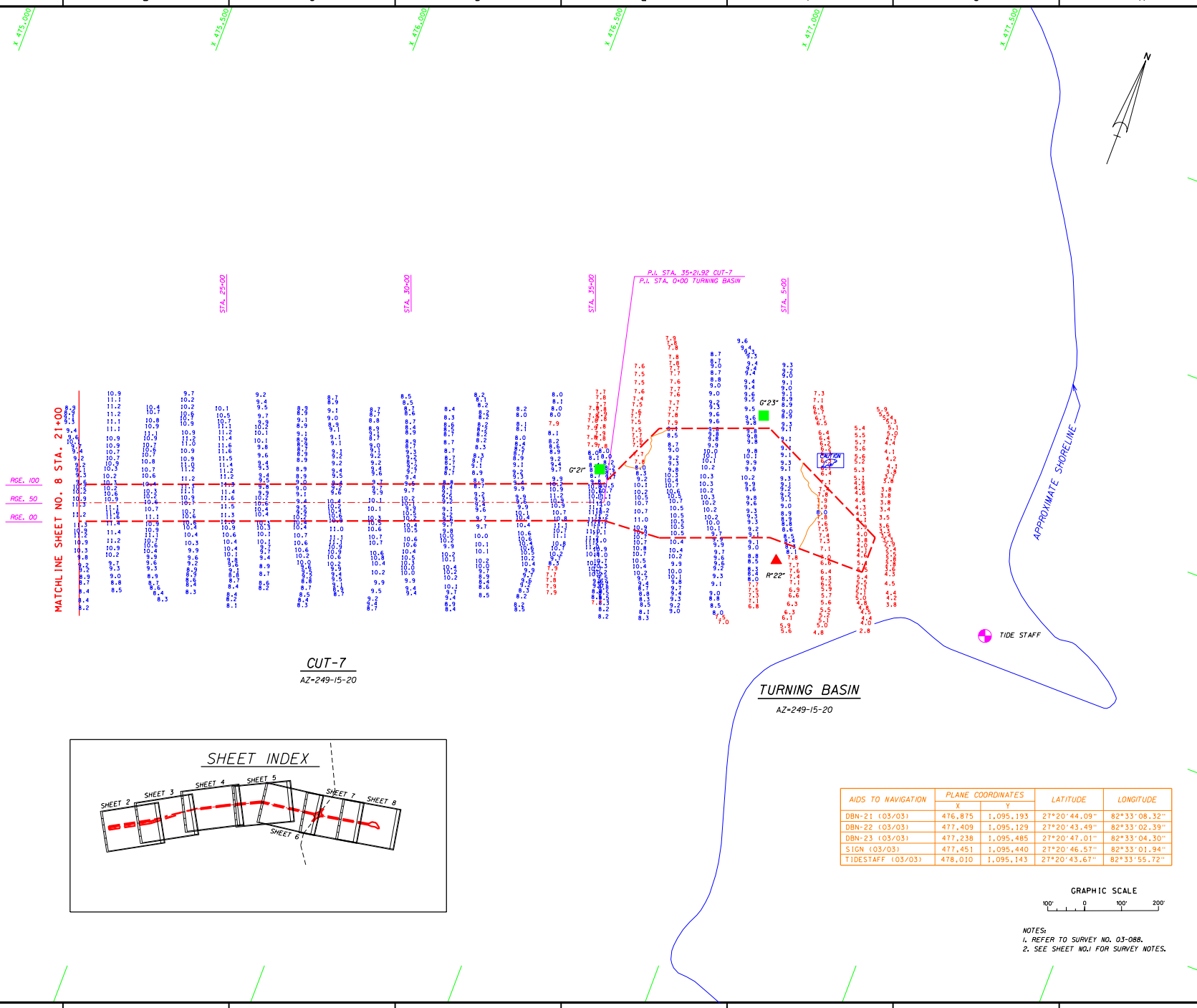
Dated: MAR 2003
D.O.F ILE NO.

File name: E08B5H07.DGN
Reference files:
BRCH88.DGN
NPCL01.DGN
NPPL18S.DGN
NPPL18S.DGN
E08BC17.DGN
E08BNAV.DGN
E08TEX.DGN

NEW PASS
SARASOTA COUNTY, FLORIDA
PROJECT CONDITION SURVEY
8 & 10-FOOT PROJECT
STA. 34+00 CUT-6 THRU STA. 21+50 CUT-7
PLAN

DRAWING NO.
7/9

SHEET 7 OF 9



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-21 (03/03)	476,875	1,095,193	27°20'44.09"	82°33'08.32"
DBN-22 (03/03)	477,409	1,095,129	27°20'43.49"	82°33'02.39"
DBN-23 (03/03)	477,238	1,095,485	27°20'47.01"	82°33'04.30"
SIGN (03/03)	477,451	1,095,440	27°20'46.57"	82°33'01.94"
TIDESTAFF (03/03)	478,010	1,095,143	27°20'43.67"	82°33'55.72"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 03-088.
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	Approved

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

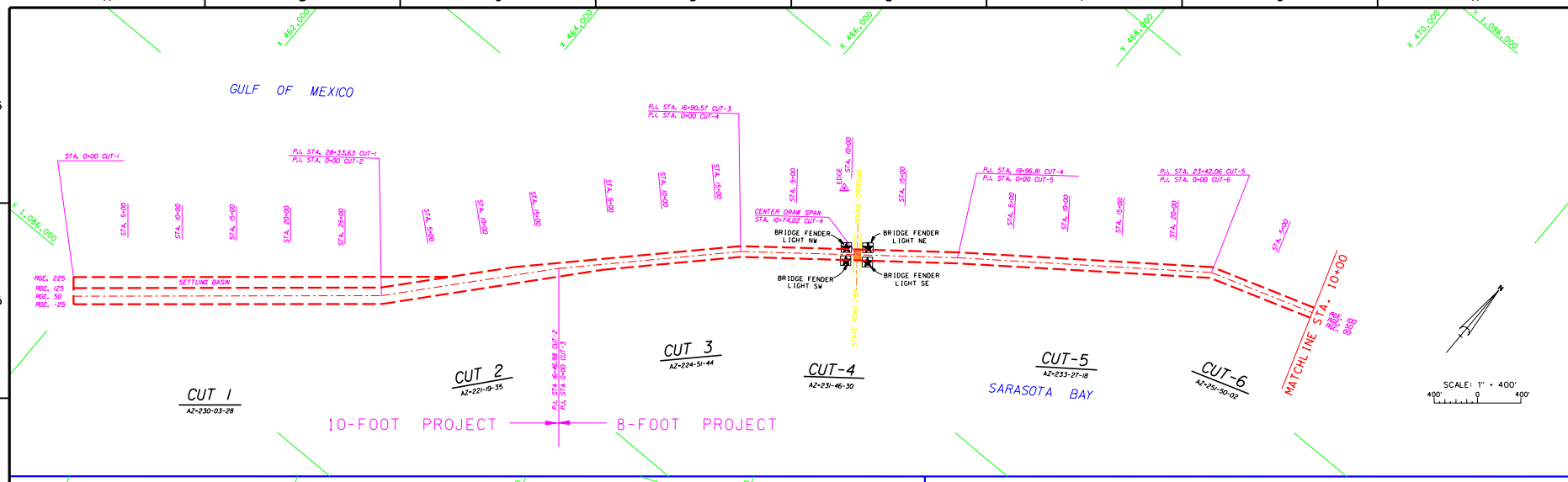
Inv. No. DACW17-XX-X-XXXX
Dated: XX XXX XXXX
Scale: AS SHOWN
Plot date: XXXX
Plot scale: XXX
Designed by: RES
Dwn by: RES
Ckd by: WHW
Dated: MAR 2003
D.O.F.ILE NO.

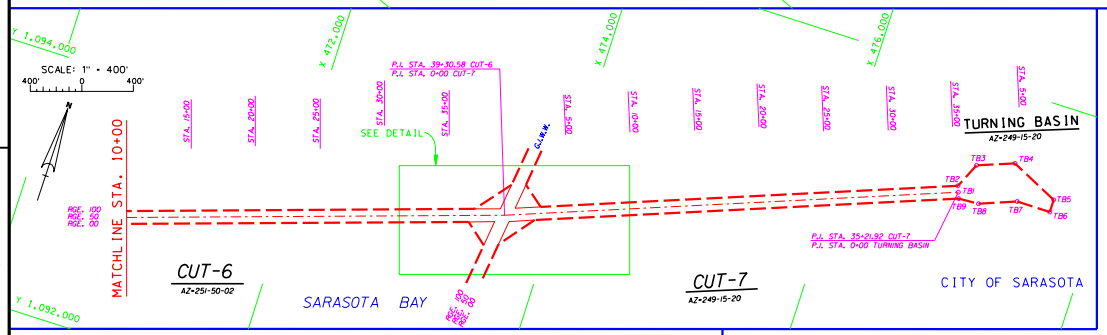
File name: E08BSHEE.DGN
Reference files: NPCHAR3.DGN NPCHAR2.DGN NPFIL1E3.DGN NPFIL1E2.DGN E08BETS.DGN E08BMAN.DGN CONTOUR.DGN NPINDEX.DGN

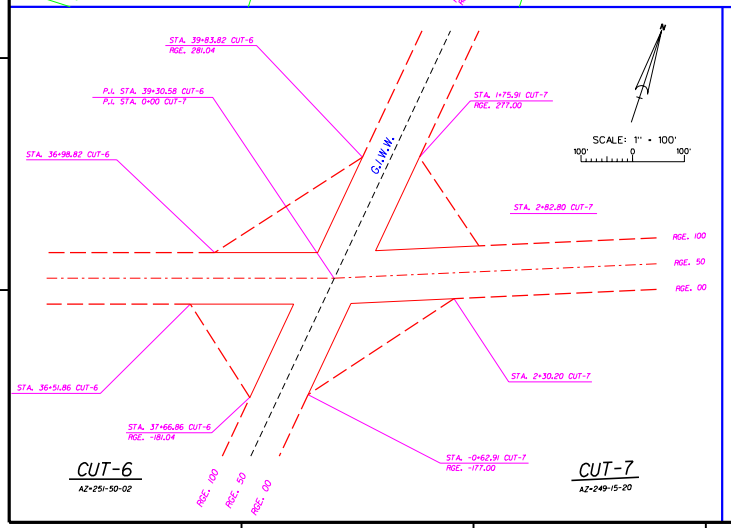
NEW PASS
SARASOTA COUNTY, FLORIDA
PROJECT CONDITION SURVEY
8 & 10-FOOT PROJECT
STA.21+00 CUT-7 THRU TURNING BASIN
PLAN

DRAWING NO.
8/9

SHEET 8 OF 9







SURVEY CONTROL	
BENCHMARK	NGVD ELEV. (FT)
EDGE	5.27

CHANNEL TABULATION

PLANE COORDINATES X	PLANE COORDINATES Y	STATION	RANGE	CUT	AZIMUTH
461,985.31	1,085,761.06	0+00	50	1	230-03-28
464,157.84	1,087,580.33	0+00	50	2	221-19-35
465,245.40	1,088,817.15	0+00	50	3	224-51-44
466,437.99	1,090,015.40	0+00	50	4	231-46-30
468,006.67	1,091,250.92	0+00	50	5	233-27-18
469,888.25	1,092,645.53	0+00	50	6	251-50-02
473,623.22	1,093,870.10	0+00	50	7	249-15-20
476,916.77	1,095,117.72	0+00	190	TB	249-15-20

NGVD 1929
0.67 feet
M.L.L.W.

Relationship between NGVD 1929 and Mean Lower Low Water Tidal Datum (1960-1978 epoch)

TURNING BASIN TABULATION

P.I.	PLANE COORDINATES X	PLANE COORDINATES Y	STATION	RANGE	CUT
TB1	476,916.77	1,095,117.92	0+00	190+00	TB
TB2	476,899.06	1,095,164.38	0+00	240+00	TB
TB3	476,986.21	1,095,357.79	1+50	390+00	TB
TB4	477,266.76	1,095,464.06	4+50	390+00	TB
TB5	477,638.67	1,095,287.91	7+35.41	93+52	TB
TB6	477,638.67	1,095,187.90	7+00	0+00	TB
TB7	477,371.76	1,095,186.80	4+50	93+52	TB
TB8	477,091.21	1,095,080.53	1+50	93+52	TB
TB9	476,934.48	1,095,070.96	0+00	140+00	TB

NOTES:

1. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE WEST ZONE OF FLORIDA, AND ARE REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD83).
2. VERTICAL DATUM REFERS TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29).
3. ALL AZIMUTHS ARE GRID, RECKONED CLOCKWISE FROM SOUTH.
4. ALL STATIONING REFERS TO THE CENTERLINE RANGE FOR EACH CUT AND TO RANGE 190 FOR THE TURNING BASIN.
5. CORPS OF ENGINEERS MONUMENTS ARE STANDARD BRONZE DISKS SET IN CONCRETE.

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

Rev. No. DACW17-XX-X-XXXX
Dated: XX XXX XXXX
Scale: AS SHOWN
Plot date: 28 FEB 2000
Plot scale: 1:40

Designed by: CEK
Drawn by: CEK
Checked by: LKB
Dated: MAR 2003
D.O.FILE NO.

File name: E08E5H9.DGN
Reference files: BRIDGE08.DGN

NEW PASS
SARASOTA COUNTY, FLORIDA
PROJECT CONDITION SURVEY
8 & 10-FOOT PROJECT
CONTROL DATA
PLAN

DRAWING NO.
9/9

SHEET 9 OF 9