CENTERLINE CONTROL

CUT	COORDINATES (NAD 83) (X)	(Y)	ENDING STATION	AZIMUTH
1	388,948.90	639,428.22	50+53.45	261-09-05
2	393,941.22	640,205.41	15+73.69	195-19-38
3	394,357.19	641,723.13	7+92.20	238-03-00
4	395,029.39	642,142.35	11+30.90	267-43-10
5	396,159.39	642,187.35	9+14.95	245-06-56
6	396,989.39	642,572.35	12+66.49	230-14-24
7	397,962.98	643,382.36	40+10.32	180-44-04
8	398,014.39	647,392.35	13+99.73	147-50-34
9	397,269.39	648,577.35	15+80.23	158-58-22
10	396,702.39	650,052.35	33+25.21	180-38-15
11	396,739.39	653,377.35	9+97.37	152-55-04
12	396,285.32	654,265.36	7+07.00	213-52-30
13	396,679.39	654,852.35	14+18.35	197-51-36
14	397,114.39	656,202.35	6+48.35	165-15-23
15	396,949.39	656,829.35	10+44.45	183-01-07
END	397,004.39	657,872.35		
TB	396,285.32	654,265.36	7+00.00	174-23-12
TB END	396,216.84	654,962.01		

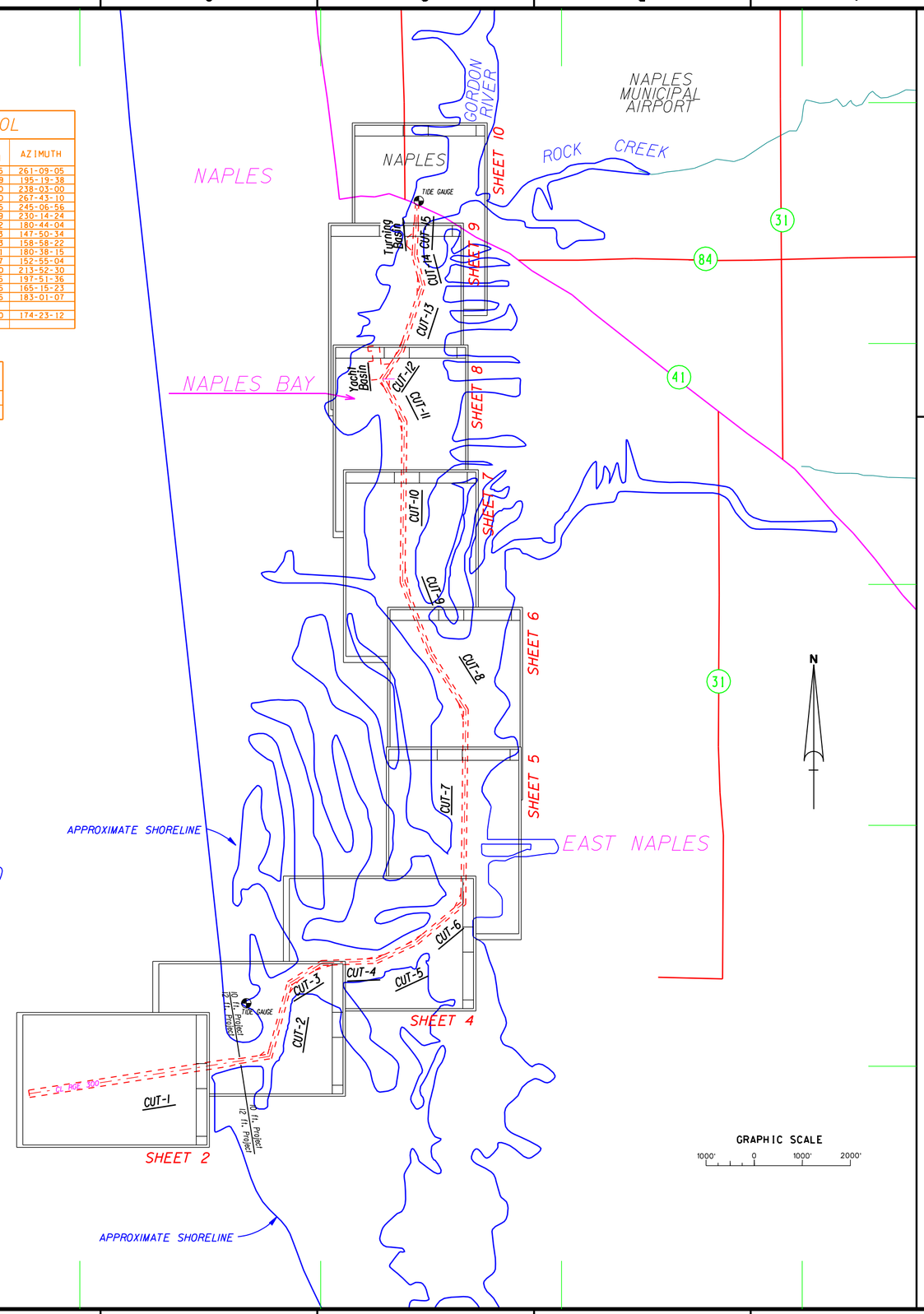
BENCHMARKS	NAVD ELEV. (FT)
DNR R-88	5.97
NOS 5114A 1978	5.00

ABBREVIATIONS

NGVD	NATIONAL GEODETIC VERTICAL DATUM OF 1929
EL	ELEVATION
CL	CENTERLINE
MLW	MEAN LOW WATER
DOT	FLORIDA DEPARTMENT OF TRANSPORTATION
NOS	NATIONAL OCEAN SERVICE
COE	CORPS OF ENGINEERS
STA.	STATION
RGE.	RANGE

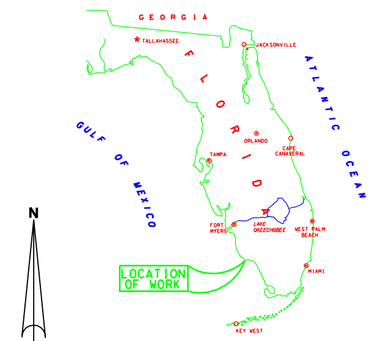
LEGEND

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



GRAPHIC SCALE

1000' 0 1000' 2000'



LOCATION MAP

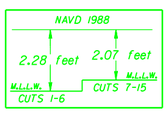
NAPLES TO GORDON PASS
COLLIER COUNTY, FLORIDA
PROJECT CONDITION SURVEY

SURVEY NOTES:

1. REFER TO SURVEY NO. 08-145.
2. ELEVATIONS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER (MLLW) WHICH IS 2.28 FEET BELOW NAVD 1988 FOR CUT-1 THRU CUT-6, AND 2.07 FEET BELOW NAVD 1988 FOR CUT-7 THRU CUT-15.
3. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGN.
4. TIDAL REDUCTIONS WERE MADE FROM A STAFF SET ON A DOCK PILING AT THE BOAT HOUSE IN THE VICINITY OF AND REFERENCED TO BENCHMARK "DNR R-88" AND FROM A BOAT DOCK PILING IN THE VICINITY OF, AND REFERENCED FROM BENCHMARK "NOS 5114A 1978".
5. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE EAST 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 WITH A 200KHZ (HIGH FREQUENCY) TRANSDUCER.

VESSEL	DATE OF SURVEY	CUT
GANNETT II	19-20 JUN 2008	CUTS 1-15

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 USACE EM 1110-2-1003, HYDROGRAPHIC SURVEYING, 1 JAN 02.



Relationship between NAVD 1988 and NOAA Mean Lower Low Water Tidal Datum (1983-2001 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
Dated: XX XXX XXXX
Scale: AS SHOWN
Plot date: xx xx xxxx
Plot scale: XXX

Designed by:
Dwn by: WMB
Ckd by: WMB

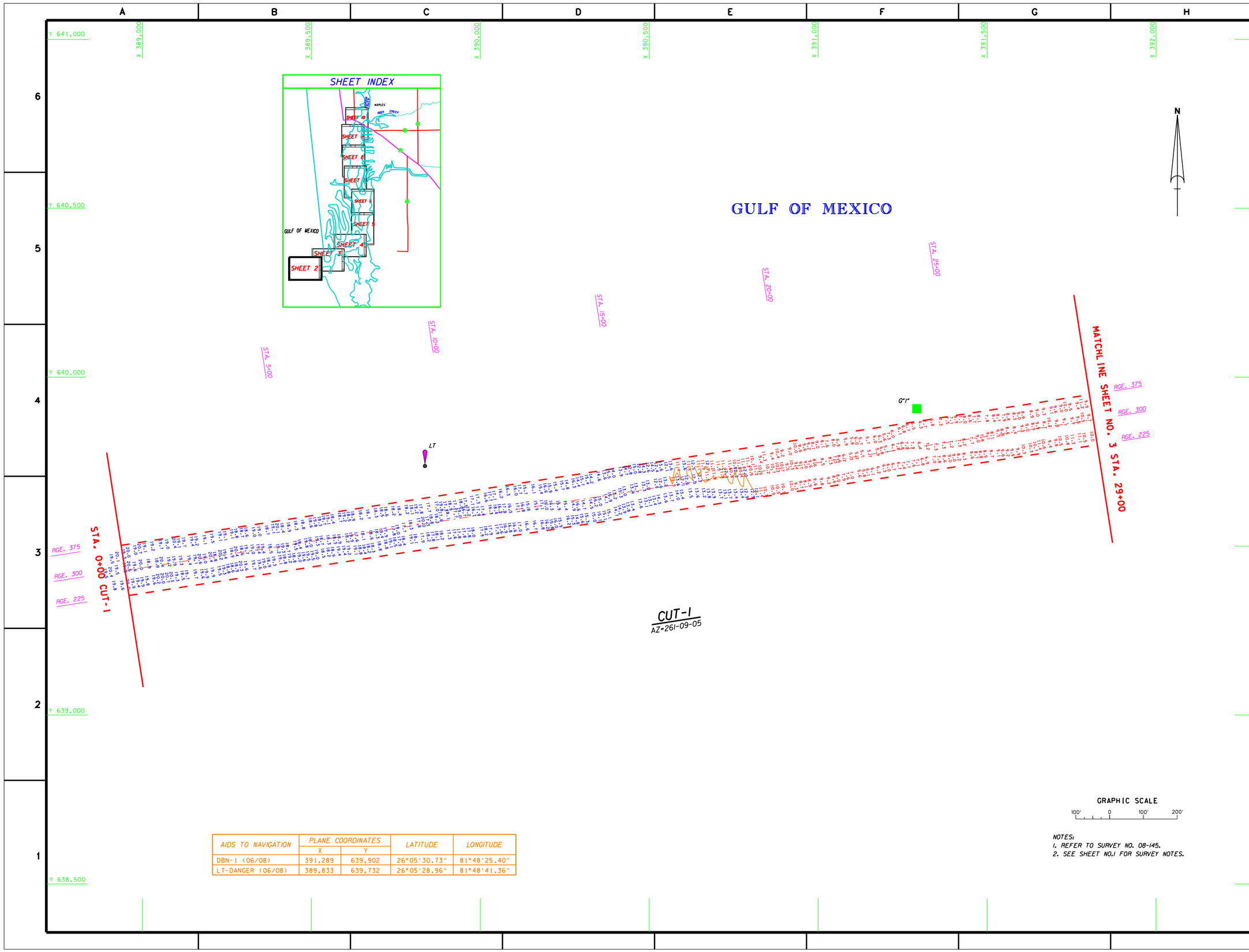
Dated: JUN 2008
D.O.F.ILE NO.

File name: 08-145SHO1.DGN
Reference files: BRDR96.DGN NAPTOP083.DGN

NAPLES TO GORDON PASS
COLLIER COUNTY, FLORIDA
PROJECT CONDITION SURVEY
10 & 12-FOOT PROJECT
INDEX, COVER AND LOCATION PLAN

DRAWING NO.
1/11

SHEET 1 OF 11



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-1 (06/08)	391,289	639,902	26°05'30.73"	81°48'25.40"
LT-DANGER (06/08)	389,833	639,732	26°05'28.96"	81°48'41.36"

NOTES:
1. REFER TO SURVEY NO. 08-145.
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

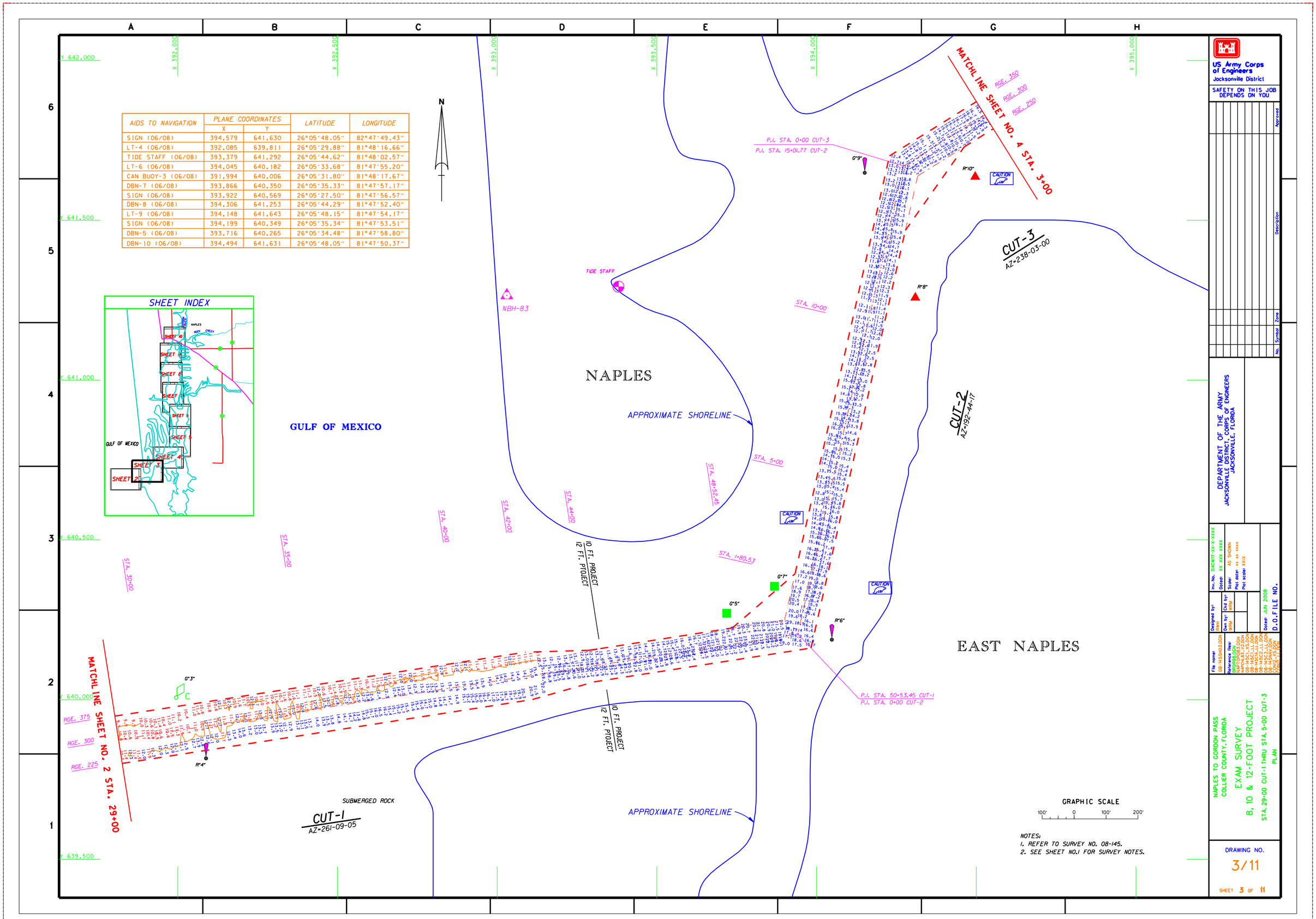
Designed by: RWH
Dwn by: WRM
Ckd by: WRM
Inv. No.
Dated: DACW17-XX-X-XXXX
Scale: XX XXX XXXX
Plot date: AS SHOWN
Plot scale: XX XX XXXX XX:X
Dated: JUN 2008
D.O.FILE NO.

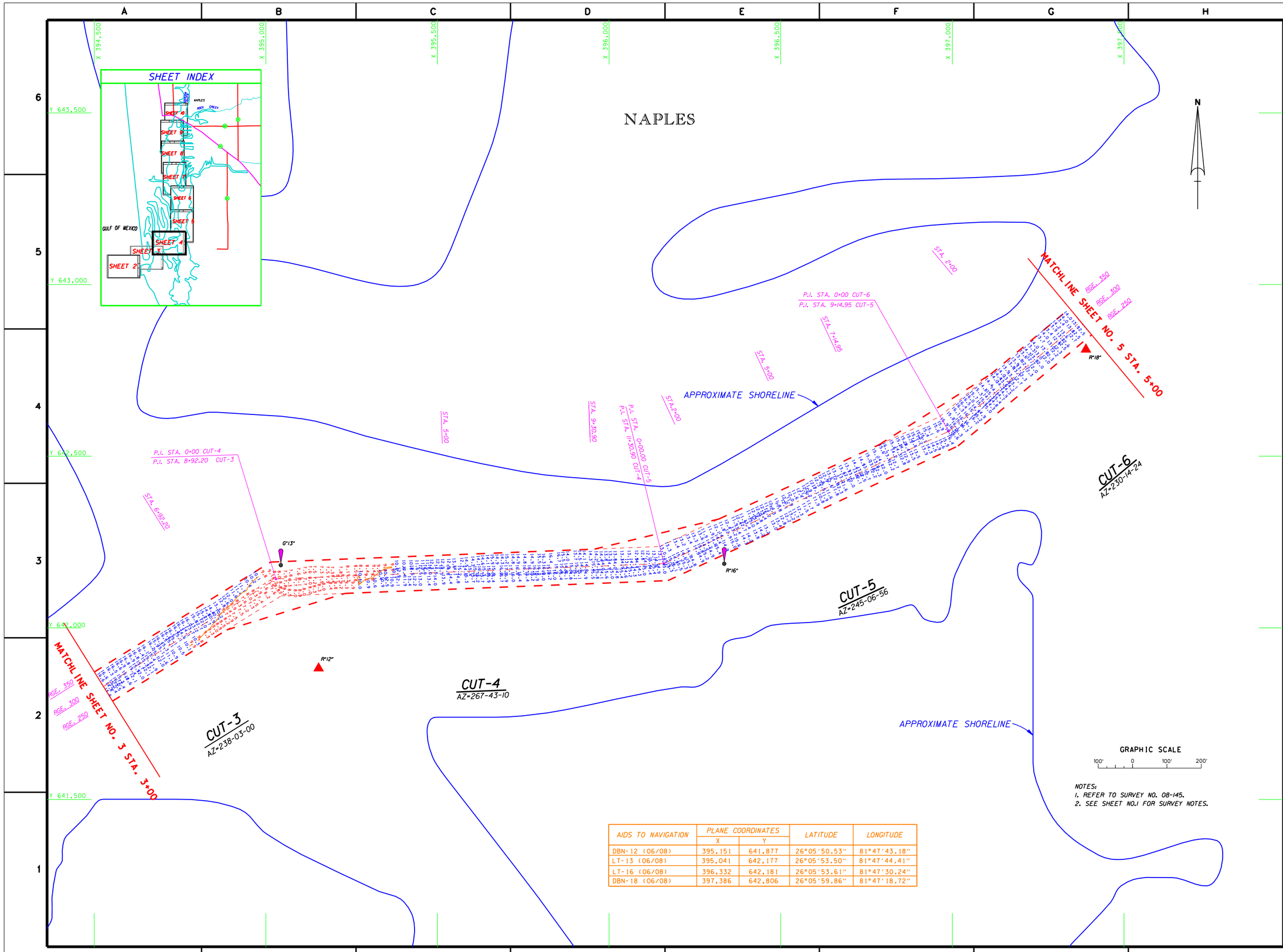
File name: 08-145SH02.DGN
Reference files: BRDR98.DGN 08-145CI_XS.DGN 08-145CI_LL.DGN NAPCHL83_V2.DGN 08-145NAV.DGN CON12_LL.DGN CON12_XS.DGN

NAPLES TO GORDON PASS
COLLIER COUNTY, FLORIDA
EXAM SURVEY
8, 10 & 12-FOOT PROJECT
STA. 0+00 THRU STA. 29+00 CUT-1
PLAN

DRAWING NO.
2/11
SHEET 2 OF 11

AIDS TO NAVIGATION	PLANE COORDINATES X	PLANE COORDINATES Y	LATITUDE	LONGITUDE
SIGN (06/08)	394,579	641,630	26°05'48.05"	82°47'49.43"
LT-4 (06/08)	392,085	639,811	26°05'29.88"	81°48'16.66"
TIDE STAFF (06/08)	393,379	641,292	26°05'44.62"	81°48'02.57"
LT-6 (06/08)	394,045	640,182	26°05'33.68"	81°47'55.20"
CAN BUOY-3 (06/08)	391,994	640,006	26°05'31.80"	81°48'17.67"
DBN-7 (06/08)	393,866	640,350	26°05'35.33"	81°47'57.17"
SIGN (06/08)	393,922	640,569	26°05'27.50"	81°47'56.57"
DBN-8 (06/08)	394,306	641,253	26°05'44.29"	81°47'52.40"
LT-9 (06/08)	394,148	641,643	26°05'48.15"	81°47'54.17"
SIGN (06/08)	394,199	640,349	26°05'35.34"	81°47'53.51"
DBN-5 (06/08)	393,716	640,265	26°05'34.48"	81°47'58.80"
DBN-10 (06/08)	394,494	641,631	26°05'48.05"	81°47'50.37"





AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-12 (06/08)	395,151	641,877	26°05'50.53"	81°47'43.18"
LT-13 (06/08)	395,041	642,177	26°05'53.50"	81°47'44.41"
LT-16 (06/08)	396,332	642,181	26°05'53.61"	81°47'30.24"
DBN-18 (06/08)	397,386	642,806	26°05'59.86"	81°47'18.72"

NOTES:
1. REFER TO SURVEY NO. 08-145.
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: XX XX XXXX
Plot scale: XXX

Designed by: RWH
Dwn by: WDW
Ckd by: WDW

Dated: JUN 2008
D.O.F ILE NO.

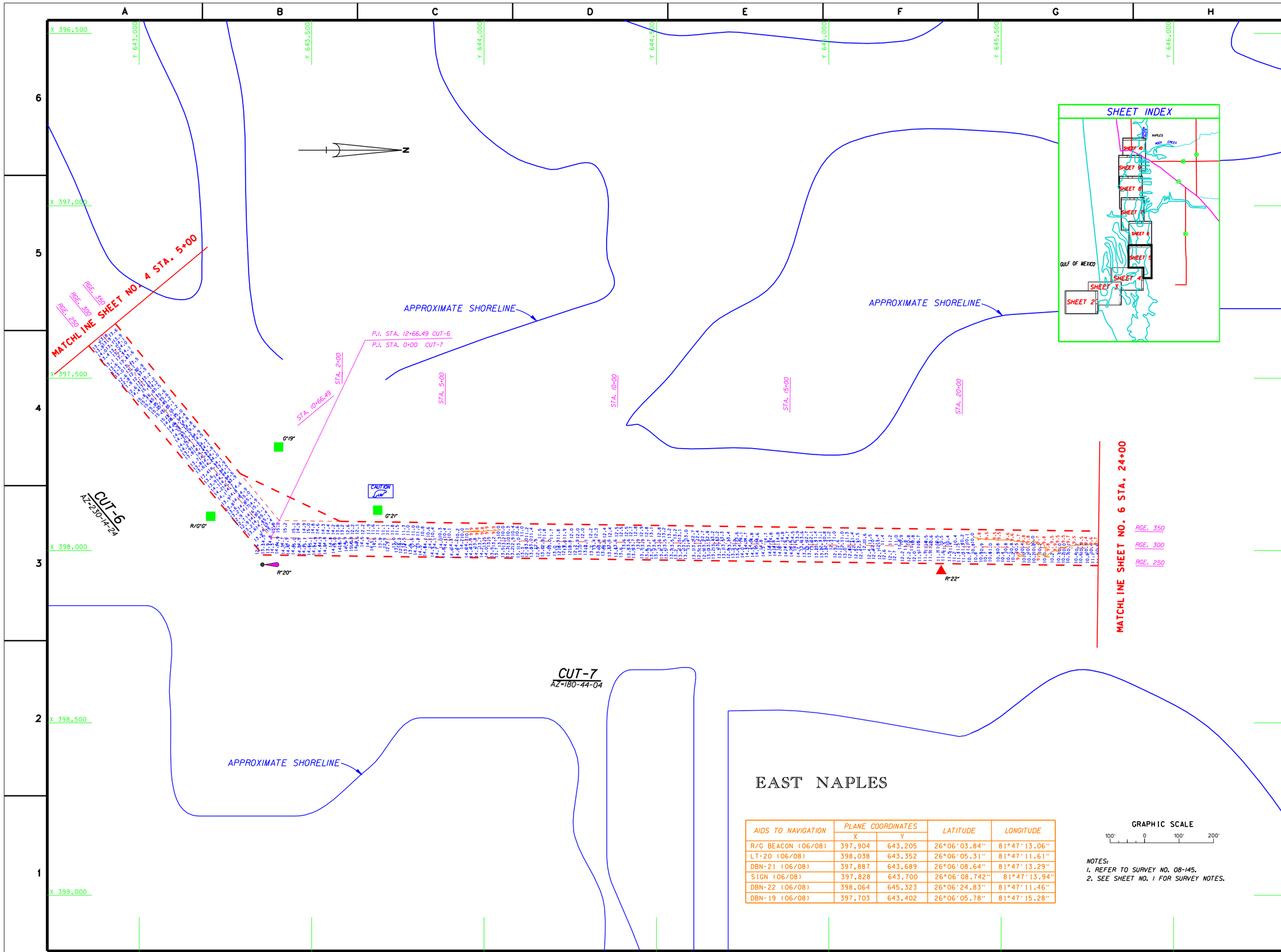
File name: 08-145SHD4.DGN
Reference files: 8NOV98.DGN
NAPLES.DGN
NAPCH_83_V7.DGN
08-145C1-V7.DGN
08-145C1-L5.DGN
08-145C2-V7.DGN
08-145C2-L5.DGN
08-145C3-V7.DGN
08-145C3-L5.DGN
CONTS.XS.DGN
CONTS.LT.DGN

NAPLES TO GORDON PASS
COLLIER COUNTY, FLORIDA

EXAM SURVEY
8, 10 & 12-FOOT PROJECT
STA. 5+00 CUT-3 THRU STA. 5+00 CUT-6
PLAN

DRAWING NO.
4/11

SHEET 4 OF 11



EAST NAPLES

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
R/G BEACON (06/08)	397,904	643,205	26°06'03.84"	81°47'13.06"
LT-20 (06/08)	398,038	643,352	26°06'05.31"	81°47'11.61"
DBN-21 (06/08)	397,887	643,689	26°06'08.64"	81°47'13.29"
SIGN (06/08)	397,828	643,700	26°06'08.742"	81°47'13.94"
DBN-22 (06/08)	398,064	645,323	26°06'24.83"	81°47'11.46"
DBN-19 (06/08)	397,703	643,402	26°06'05.78"	81°47'15.28"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 08-145.
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: XX XX XXXX
Plot scale: XXXX

Designed by: PWH
Dwn by: DWB
Ckd by: WRM

Dated: JUN 2008
D.O.FILE NO.

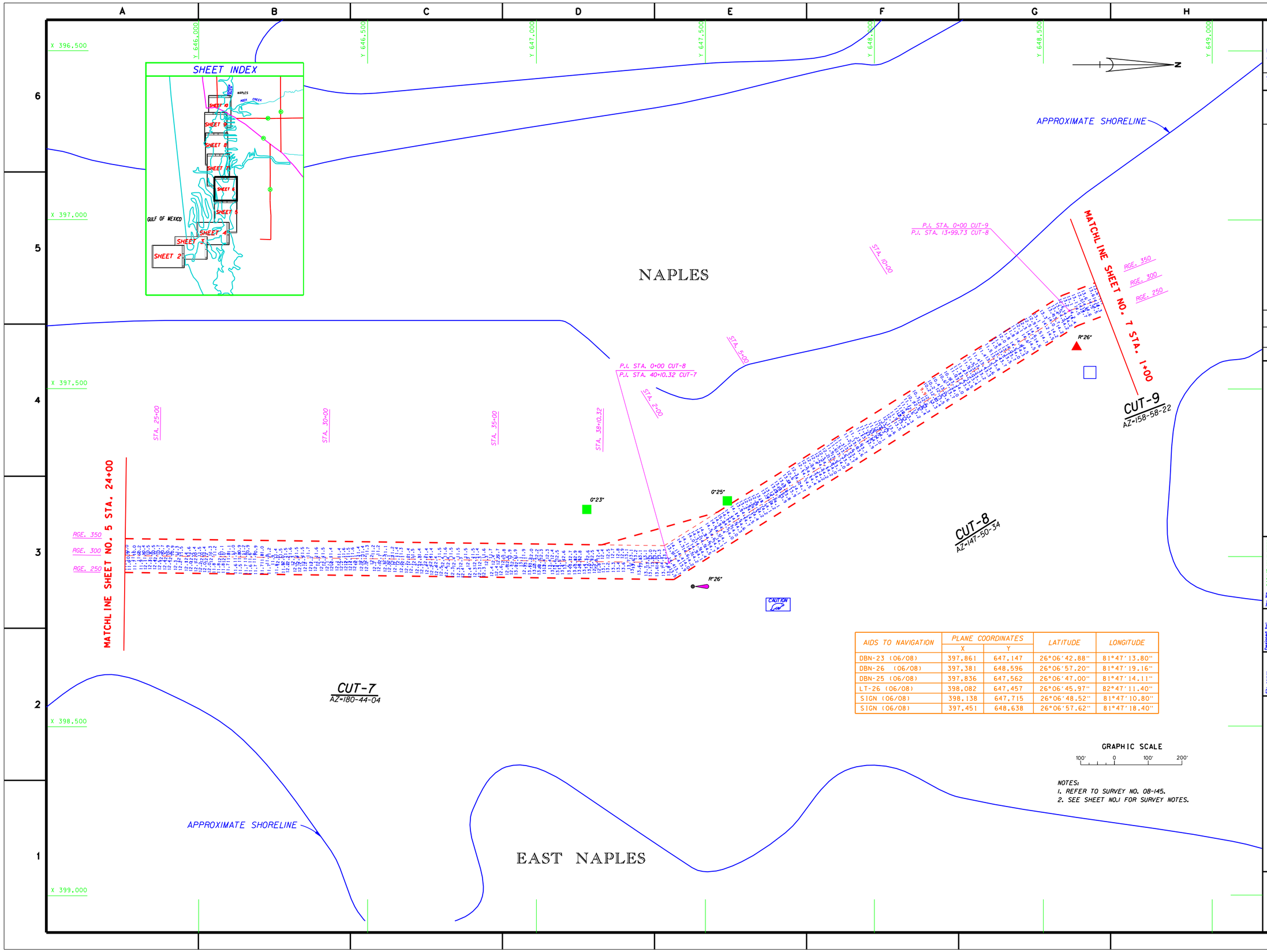
File name: 08-145SHEE05.DGN
Reference files: BKDRB8.DGN NAPTOB03.DGN 08-145CE-L1.DGN 08-145CE-L2.DGN 08-145CE-L3.DGN 08-145C7-L1.DGN 08-145C7-L2.DGN COVER-L1.DGN

NAPLES TO GORDON PASS
COLLIER COUNTY, FLORIDA

EXAM SURVEY
8, 10 & 12-FOOT PROJECT
STA.5+00 CUT-6 THRU STA.24+00 CUT-7
PLAN

DRAWING NO.
5/11

SHEET 5 OF 11



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-23 (06/08)	397,861	647,147	26°06'42.88"	81°47'13.80"
DBN-26 (06/08)	397,381	648,596	26°06'57.20"	81°47'19.16"
DBN-25 (06/08)	397,836	647,562	26°06'47.00"	81°47'14.11"
LT-26 (06/08)	398,082	647,457	26°06'45.97"	82°47'11.40"
SIGN (06/08)	398,138	647,715	26°06'48.52"	81°47'10.80"
SIGN (06/08)	397,451	648,638	26°06'57.62"	81°47'18.40"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 08-145.
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: XX XXX XXXX
Plot scale: XX.X

Designed by: Chief
Dwn by: MRM
Ckd by: JRBN

Dated JUN 2008
D.O.FILE NO.

File name: 08-145SHEE06.DGN
Reference files: BGRID08.DGN NAPCHA83_V2.DGN NAPSHAUS.DGN NAAPTOPO83.DGN 08-145CF_LL.DGN 08-145CF_LL.DGN 08-145C3_LL.DGN

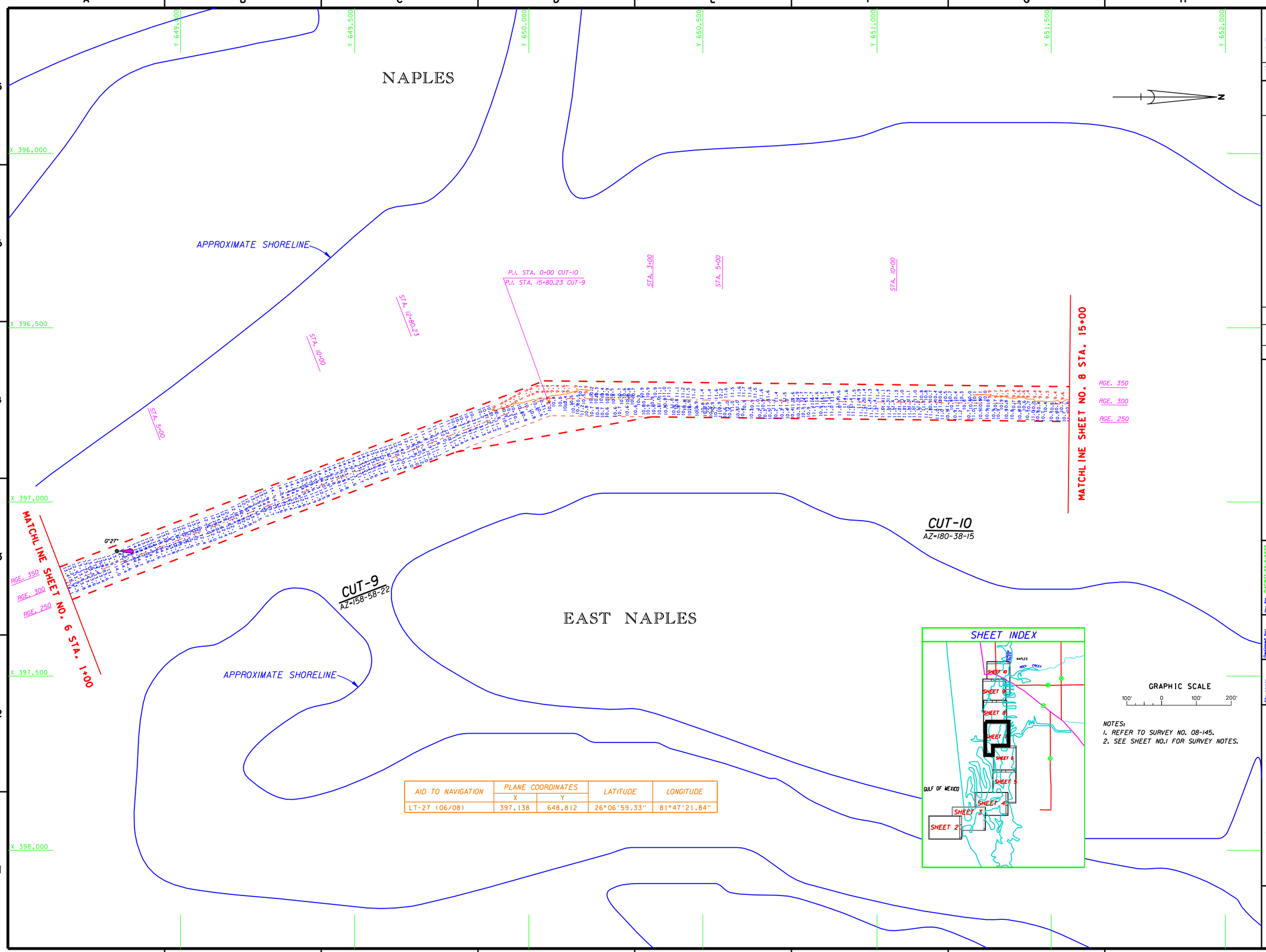
NAPLES TO GORDON PASS
COLLIER COUNTY, FLORIDA

EXAM SURVEY
8, 10 & 12-FOOT PROJECT

STA. 24+00 CUT-7 THRU STA. 1+00 CUT-9
PLAN

DRAWING NO.
6/11

SHEET 6 OF 11



AID TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-27 (06/08)	397,138	648,812	26°06'59.33"	81°47'21.84"

NOTES:
1. REFER TO SURVEY NO. 08-145.
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: XX XX XXXX
Plot scale: XXX

Designed by: RWH
Ckd by: DRW
Dwn by: RWH

Dated: JUN 2008
D.O.FILE NO.

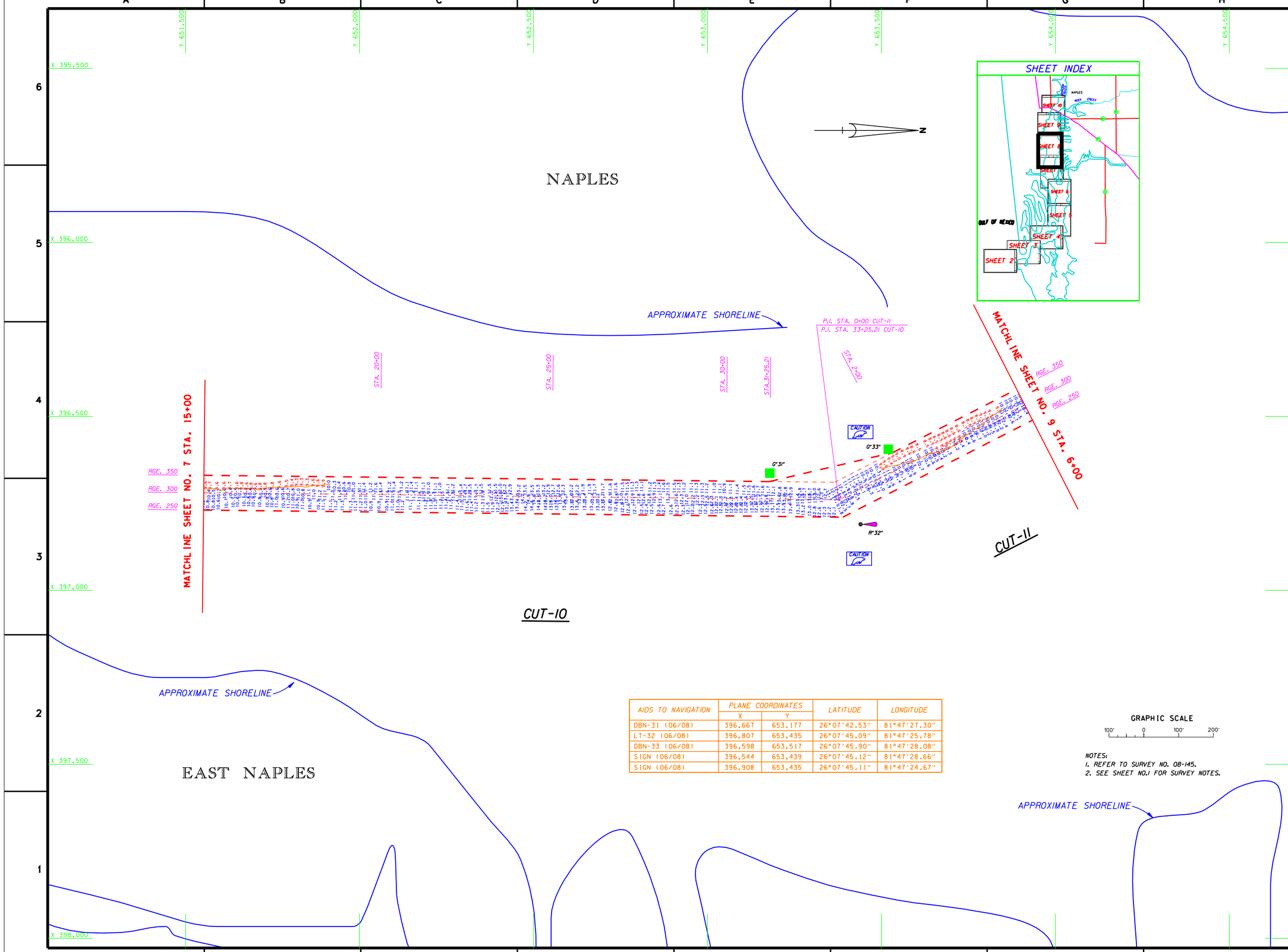
File name: 08-145SHEET.DGN
Reference files: BROPRB.DGN NAPCHLS1.DGN 08-145NAV.DGN 08-145CUT.DGN 08-145CO.DGN COMO_LL.DGN

NAPLES TO GORDON PASS
COLLIER COUNTY, FLORIDA

EXAM SURVEY
8, 10 & 12-FOOT PROJECT
STA. 1+00 CUT-9 THRU STA. 15+00 CUT-10
PLAN

DRAWING NO.
7/11

SHEET 7 OF 11



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-31 (06/08)	396,667	653,177	26°07'42.53"	81°47'27.30"
LT-32 (06/08)	396,807	653,435	26°07'45.09"	81°47'25.78"
DBN-33 (06/08)	396,598	653,517	26°07'45.90"	81°47'28.08"
SIGN (06/08)	396,544	653,439	26°07'45.12"	81°47'28.66"
SIGN (06/08)	396,908	653,435	26°07'45.11"	81°47'24.67"

NOTES:
1. REFER TO SURVEY NO. 08-145.
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: XX XX XXXX
Plot scale: XX:X

Designed by: RWH
Dwn by: WTM
Ckd by: DWB

Dated: JUN 2008
D.O. FILE NO.

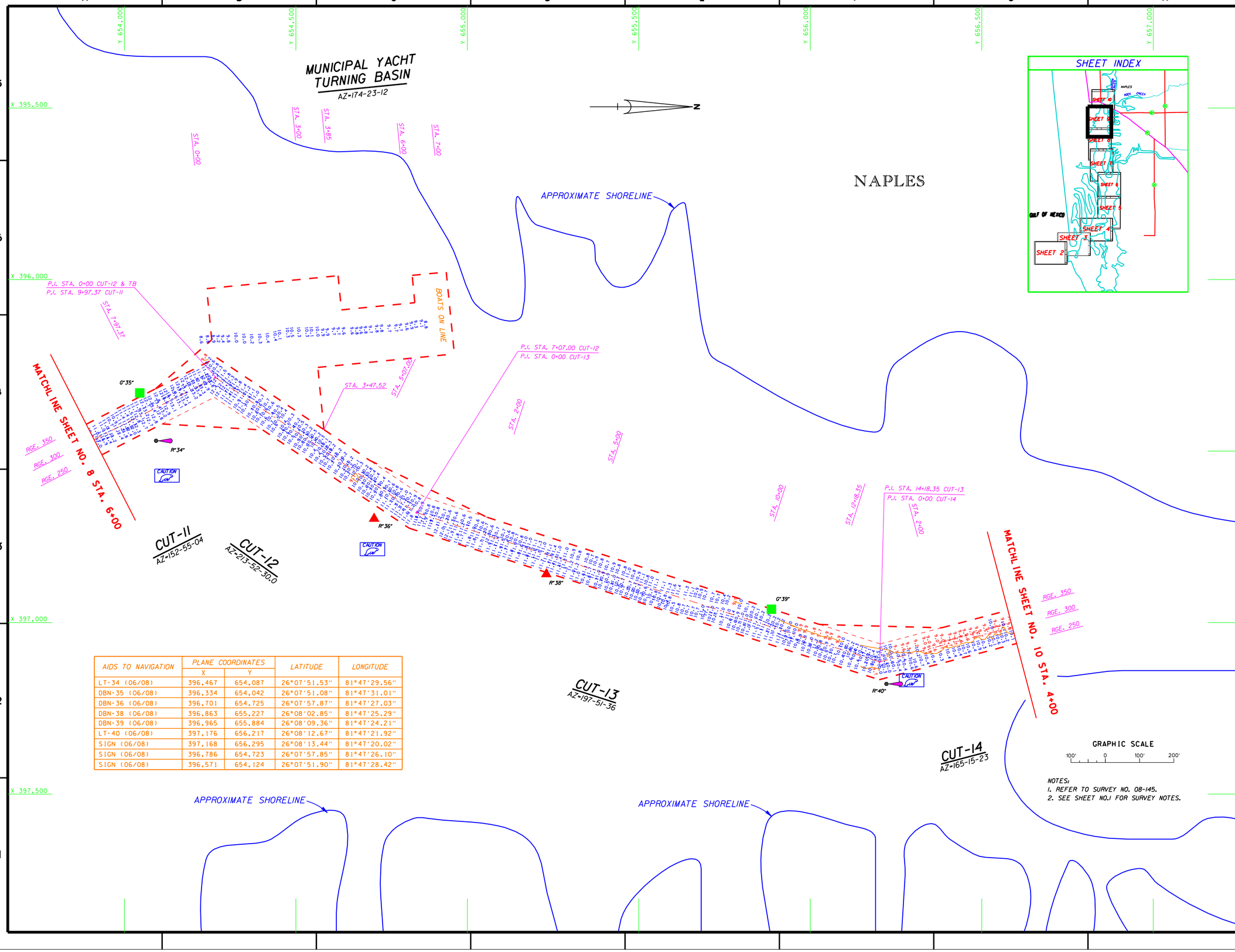
File name: 08-145SHEB.DGN
Reference files: BRDRBB.DGN, MAPTOPO83.DGN, 08-145CTL.LL.DGN, 08-145CTL.LL.DGN, 08-145CTL.XS.DGN, 08-145ALL.DGN, CONTOUR.DGN, CONC.XS.DGN

NAPLES TO GORDON PASS
COLLIER COUNTY, FLORIDA

EXAM SURVEY
8, 10 & 12-FOOT PROJECT
STA. 15+00 CUT-10 THRU STA. 6+00 CUT-11
PLAN

DRAWING NO.
8/11

SHEET 8 OF 11



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-34 (06/08)	396,467	654,087	26°07'51.53"	81°47'29.56"
DBN-35 (06/08)	396,334	654,042	26°07'51.08"	81°47'31.01"
DBN-36 (06/08)	396,701	654,725	26°07'57.87"	81°47'27.03"
DBN-38 (06/08)	396,863	655,227	26°08'02.85"	81°47'25.29"
DBN-39 (06/08)	396,965	655,884	26°08'09.36"	81°47'24.21"
LT-40 (06/08)	397,176	656,217	26°08'12.67"	81°47'21.92"
SIGN (06/08)	397,168	656,295	26°08'13.44"	81°47'20.02"
SIGN (06/08)	396,786	654,723	26°07'57.85"	81°47'26.10"
SIGN (06/08)	396,571	654,124	26°07'51.90"	81°47'28.42"

NOTES:
1. REFER TO SURVEY NO. 08-145.
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: XX XX XXXX
Plot scale: XXX

Designed by: RWH
Dwn by: RWH
Ckd by: BWB

Dated: JUN 2008
D.O. FILE NO.

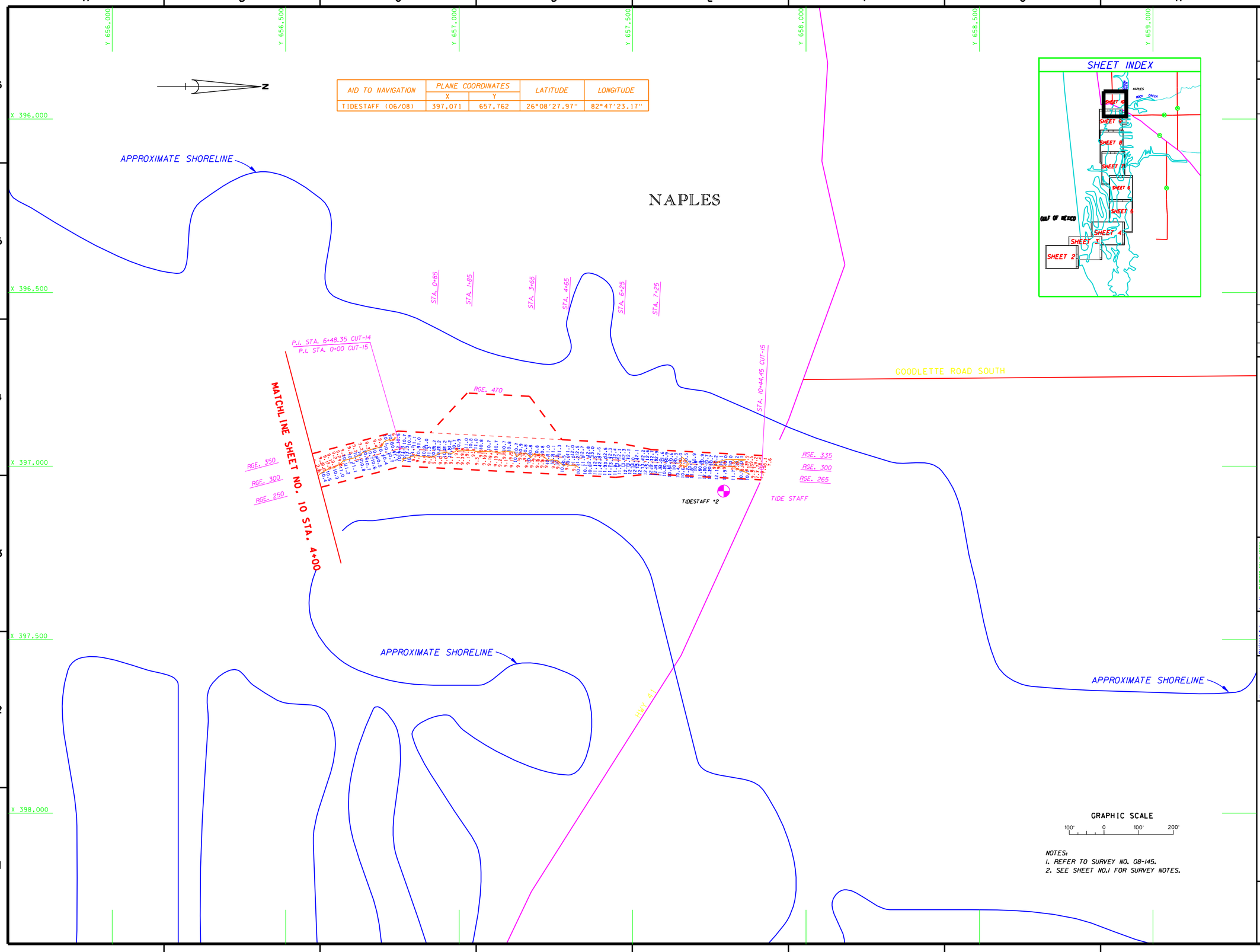
File name: 08-145SHO9.DGN
Reference files: 08D068.DGN 08D068X12.DGN NAPTOPO8L.DGN 08-145C2-11L.DGN 08-145C2-12L.DGN 08-145C2-13L.DGN 08-145C2-14L.DGN 08-145BE-25L.DGN 08-145BE-26L.DGN CONL10.DGN CONL11.DGN

NAPLES TO GORDON PASS
COLLIER COUNTY, FLORIDA

EXAM SURVEY
8, 10 & 12-FOOT PROJECT
STA. 6+00 CUT-11 THRU STA. 4+00 CUT-14
PLAN

DRAWING NO.
9/11

SHEET 9 OF 11



AID TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
TIDESTAFF (06/08)	397,071	657,762	26°08'27.97"	82°47'23.17"

NOTES:
1. REFER TO SURVEY NO. 08-145.
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: xx xx xxxx
Plot scale: XX:X

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

Dated: JUN 2008
D.O.FILE NO.

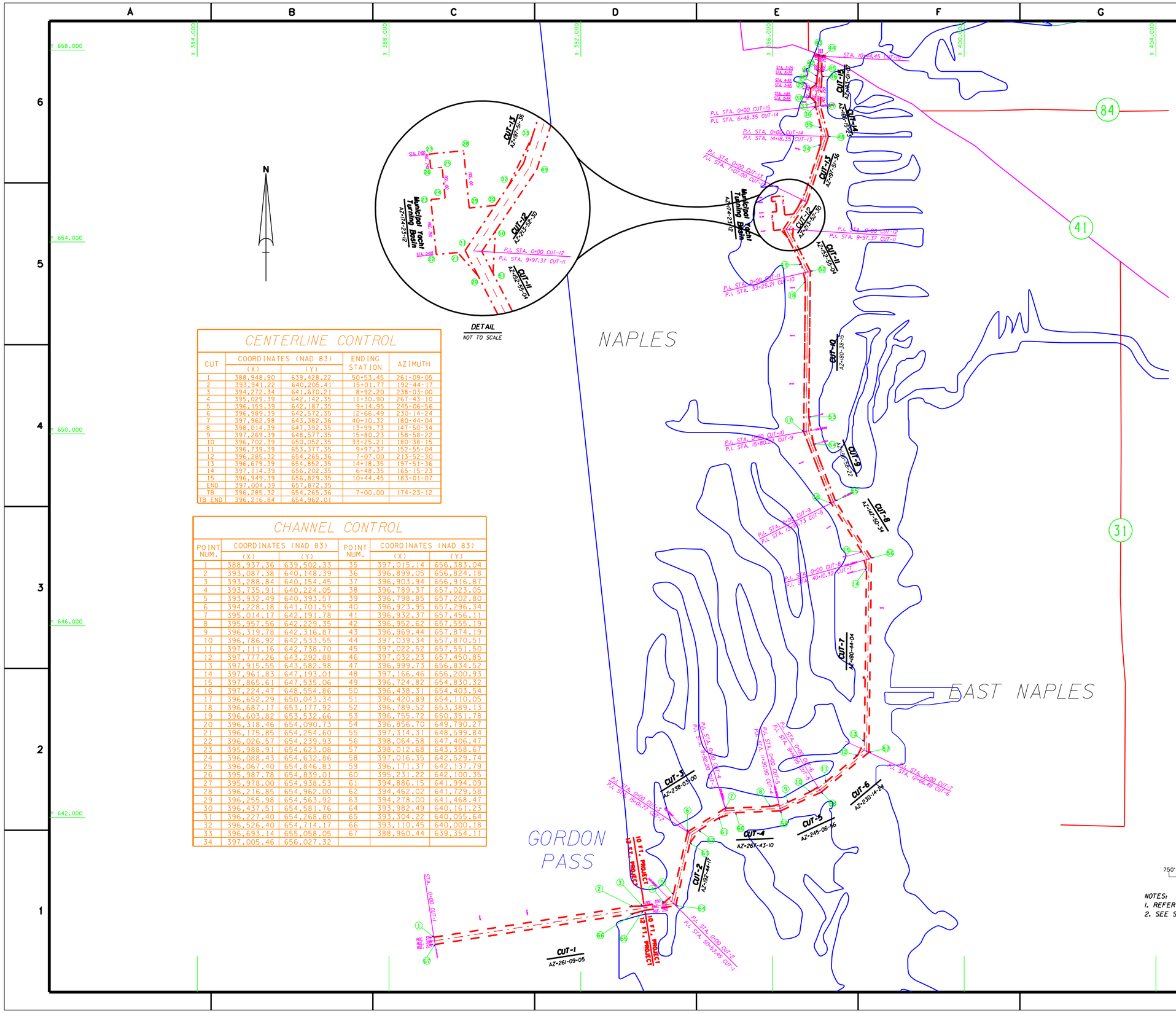
File name: 08-145SH10.DGN
Reference files: BRDP98.DGN NAPCH83_V2.DGN 08-145NAV.DGN NAPTOP083.DGN 08-145C14_LL.DGN 08-145C15_LL.DGN COND_LL.DGN

NAPLES TO GORDON PASS
COLLIER COUNTY, FLORIDA

PROJECT CONDITION SURVEY
10 & 12-FOOT PROJECT
STA. 10+00 CUT-14 THRU STA. 10+45 CUT-15
PLAN

DRAWING NO.
10/11

SHEET 10 OF 11



CENTERLINE CONTROL

CUT	COORDINATES (NAD 83) (X)	(Y)	ENDING STATION	AZIMUTH
1	388,948.90	639,428.22	50+53.45	261-09-05
2	393,941.22	640,205.41	15+01.77	192-44-17
3	394,272.34	641,670.21	8+92.20	238-03-00
4	395,029.39	642,142.35	11+30.90	267-43-10
5	396,159.39	642,187.35	9+14.95	245-06-56
6	396,989.39	642,572.35	12+66.49	230-14-24
7	397,962.98	643,382.36	40+10.32	180-44-04
8	398,014.39	647,392.35	13+99.73	147-50-34
9	397,269.39	648,577.35	15+80.23	158-58-22
10	396,702.39	650,052.35	33+25.21	180-38-15
11	396,739.39	653,377.35	9+97.37	152-55-04
12	396,285.32	654,265.36	7+07.00	213-52-30
13	396,679.39	654,852.35	14+18.35	197-51-36
14	397,114.39	656,202.35	6+48.35	165-15-23
15	396,949.39	656,829.35	10+44.45	183-01-07
END	397,004.39	657,872.35		
TB	396,285.32	654,265.36	7+00.00	174-23-12
TB END	396,216.84	654,962.01		

CHANNEL CONTROL

POINT NUM.	COORDINATES (NAD 83) (X)	(Y)	POINT NUM.	COORDINATES (NAD 83) (X)	(Y)
1	388,937.36	639,502.33	35	397,015.14	656,383.04
2	393,087.38	640,148.39	36	396,899.05	656,824.18
3	393,288.84	640,154.45	37	396,903.94	656,916.87
4	393,735.91	640,224.05	38	396,789.37	657,023.05
5	393,932.49	640,393.57	39	396,798.85	657,202.80
6	394,228.18	641,701.59	40	396,923.95	657,296.34
7	395,014.17	642,191.78	41	396,932.37	657,456.11
8	395,957.56	642,229.35	42	396,952.62	657,555.19
9	396,319.78	642,316.87	43	396,969.44	657,874.19
10	396,786.92	642,533.55	44	397,039.34	657,870.51
11	397,111.16	642,738.70	45	397,022.52	657,551.50
12	397,777.26	643,292.88	46	397,032.23	657,450.85
13	397,915.55	643,582.98	47	396,999.73	656,834.52
14	397,961.83	647,193.01	48	397,166.46	656,200.93
15	397,865.61	647,535.06	49	396,724.82	654,830.32
16	397,224.47	648,554.86	50	396,438.31	654,403.54
17	396,652.29	650,043.34	51	396,420.89	654,110.05
18	396,687.17	653,177.92	52	396,789.52	653,389.13
19	396,603.82	653,532.66	53	396,755.72	650,351.78
20	396,318.46	654,090.73	54	396,856.70	649,790.27
21	396,175.85	654,254.60	55	397,314.31	648,599.84
22	396,026.57	654,239.93	56	398,064.58	647,406.47
23	395,988.91	654,623.08	57	398,012.68	643,358.67
24	396,088.43	654,632.86	58	397,016.35	642,529.74
25	396,067.40	654,846.83	59	396,171.37	642,137.79
26	395,987.78	654,839.01	60	395,231.22	642,100.35
27	395,978.00	654,938.53	61	394,886.15	641,994.09
28	396,216.85	654,962.00	62	394,462.02	641,729.58
29	396,255.98	654,563.92	63	394,278.00	641,468.47
30	396,437.51	654,581.76	64	393,982.49	640,161.23
31	396,227.40	654,268.80	65	393,304.22	640,055.64
32	396,526.40	654,714.17	66	393,110.45	640,000.18
33	396,693.14	655,058.05	67	388,960.44	639,354.11
34	397,005.46	656,027.32			

NOTES:
1. REFER TO SURVEY NO. 08-145.
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: XX XX XXXX
Plot scale: XX:X

Designed by: WMJ
Dwn by: WMJ
Ckd by: WMJ

Dated: JUN 2008
D.O. FILE NO.

File name: 08-145SHTL.DGN
Reference files: BRDRBL.DGN NAPTOPO83.DGN NAPCHL83_V2.DGN

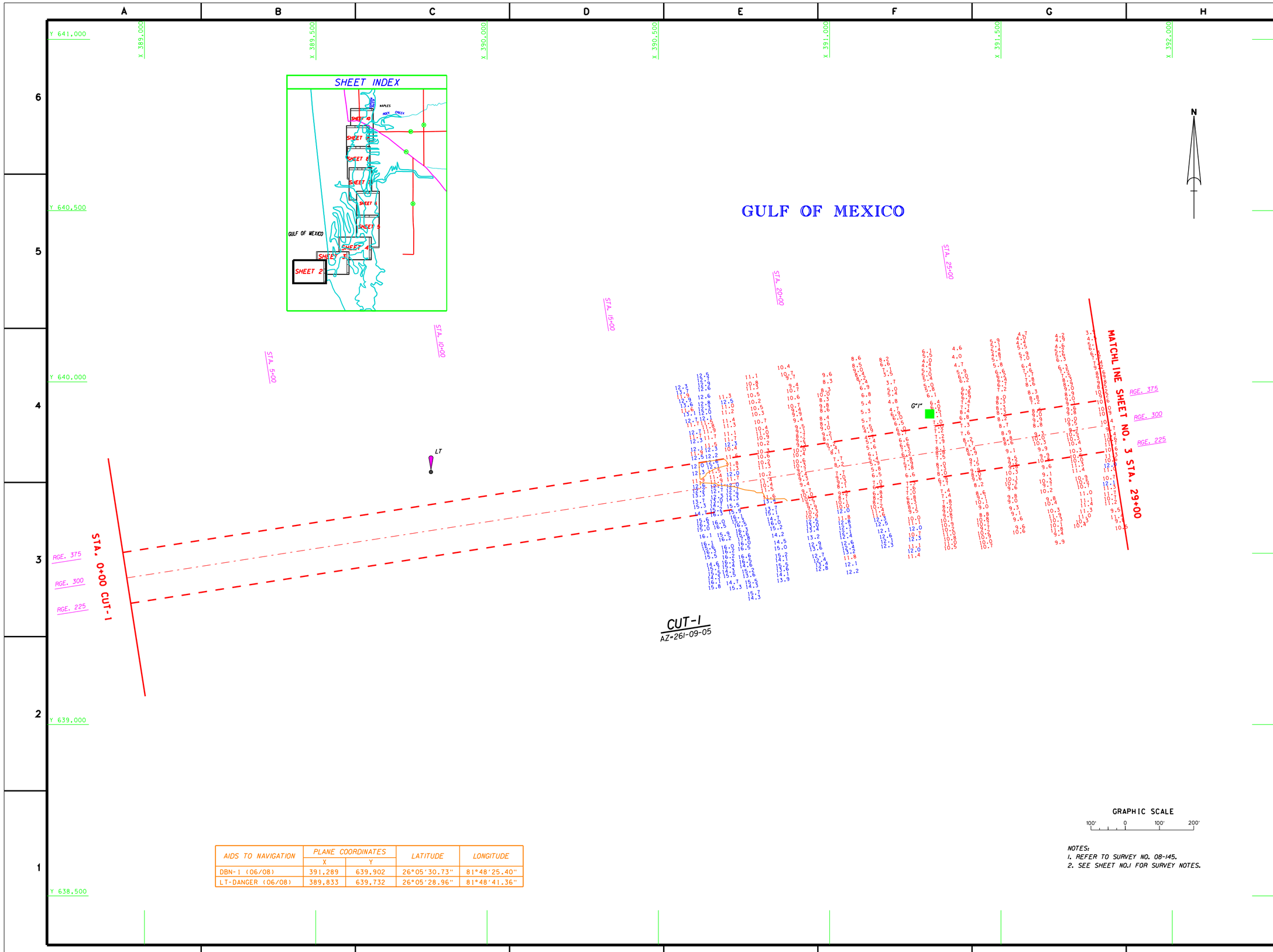
NAPLES TO GORDON PASS
COLLIER COUNTY, FLORIDA

PROJECT CONDITION SURVEY
10 & 12-FOOT PROJECT

CONTROL SHEET
PLAN

DRAWING NO.
11/11

SHEET 11 OF 11



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-1 (06/08)	391,289	639,902	26°05'30.73"	81°48'25.40"
LT-DANGER (06/08)	389,833	639,732	26°05'28.96"	81°48'41.36"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 08-145.
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.
Dated: OACW17-XX-X-XXXX
Scale: XX X.XX X/XXX
Plot date: AS SHOWN
Plot scale: xx xx xxxx
XX:X

Designed by: TWH
Dwn by: JWG
Ckd by: JWM

Dated: JUN 2008
D.O.FILE NO.

File name:
08-145SHO2.DGN
Reference files:
BRDR98.DGN
08-145C1_LLS.DGN
08-145C1_LS.DGN
MARKER1.DGN
08-145BAR.DGN
CON12_LL.DGN
CON12_XS.DGN

NAPLES TO GORDON PASS
COLLIER COUNTY, FLORIDA

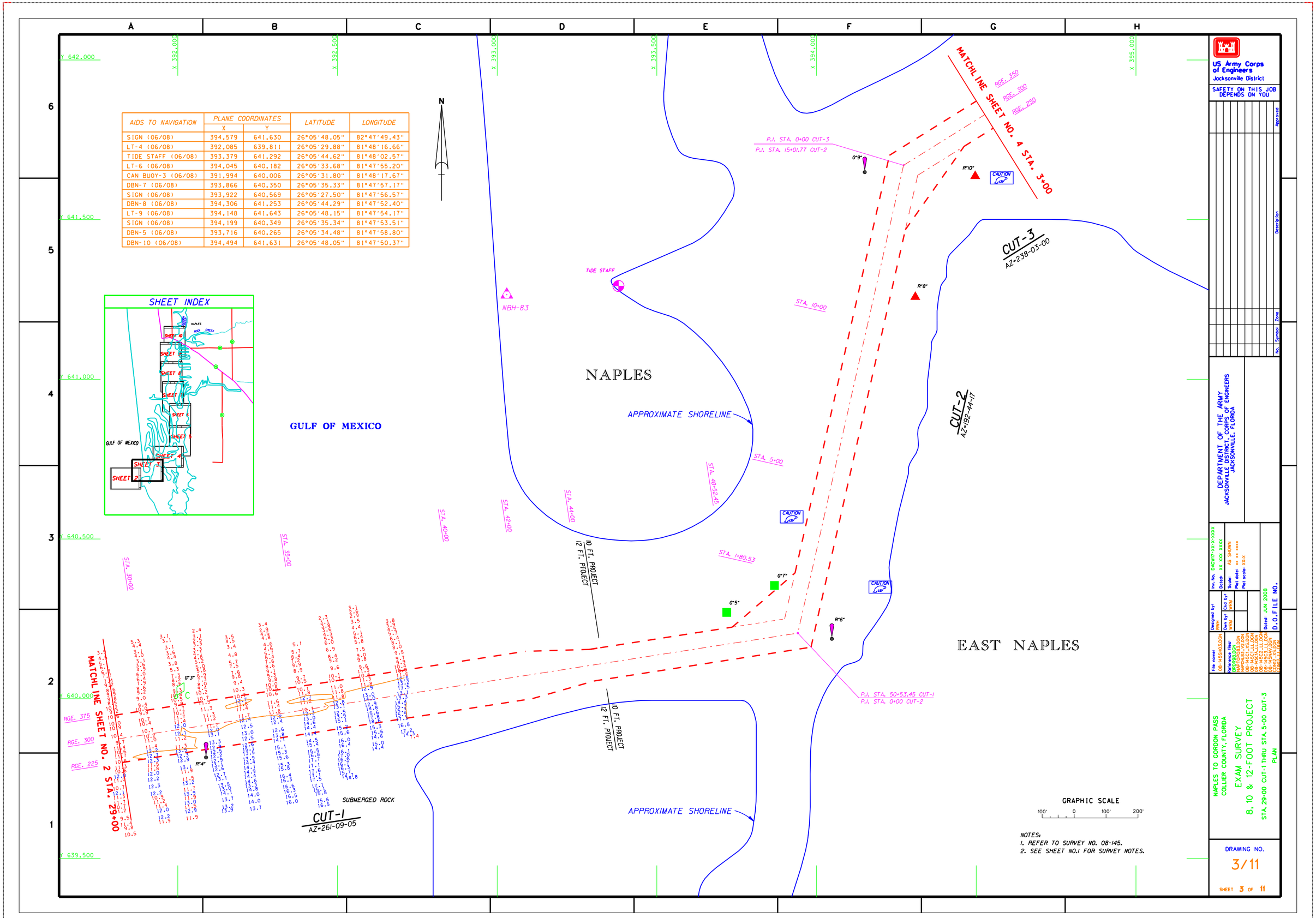
EXAM SURVEY
8, 10 & 12-FOOT PROJECT

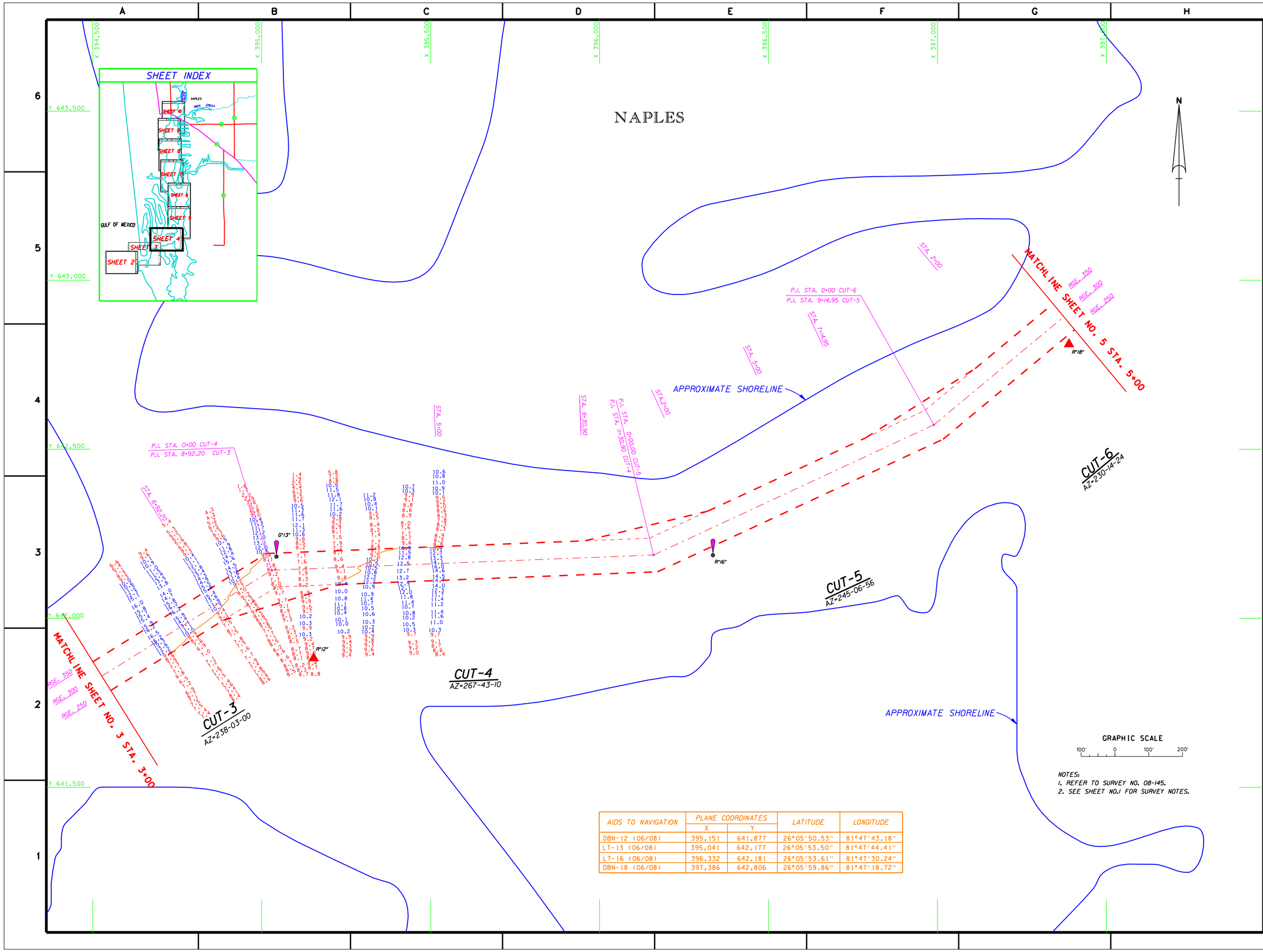
STA 0+00 THRU STA 29+00 CUT-1
PLAN

DRAWING NO.
2/11

SHEET 2 OF 11

AIDS TO NAVIGATION	PLANE COORDINATES X	PLANE COORDINATES Y	LATITUDE	LONGITUDE
SIGN (06/08)	394,579	641,630	26°05'48.05"	82°47'49.43"
LT-4 (06/08)	392,085	639,811	26°05'29.88"	81°48'16.66"
TIDE STAFF (06/08)	393,379	641,292	26°05'44.62"	81°48'02.57"
LT-6 (06/08)	394,045	640,182	26°05'33.68"	81°47'55.20"
CAN BUOY-3 (06/08)	391,994	640,006	26°05'31.80"	81°48'17.67"
DBN-7 (06/08)	393,866	640,350	26°05'35.33"	81°47'57.17"
SIGN (06/08)	393,922	640,569	26°05'27.50"	81°47'56.57"
DBN-8 (06/08)	394,306	641,253	26°05'44.29"	81°47'52.40"
LT-9 (06/08)	394,148	641,643	26°05'48.15"	81°47'54.17"
SIGN (06/08)	394,199	640,349	26°05'35.34"	81°47'53.51"
DBN-5 (06/08)	393,716	640,265	26°05'34.48"	81°47'58.80"
DBN-10 (06/08)	394,494	641,631	26°05'48.05"	81°47'50.37"





AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-12 (06/08)	395,151	641,877	26°05'50.53"	81°47'43.18"
LT-13 (06/08)	395,041	642,177	26°05'53.50"	81°47'44.41"
LT-16 (06/08)	396,332	642,181	26°05'53.61"	81°47'30.24"
DBN-18 (06/08)	397,386	642,806	26°05'59.86"	81°47'18.72"

NOTES:
1. REFER TO SURVEY NO. 08-145.
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
Date: XX XXX XXXX
Scale: AS SHOWN
Plot date: xx xx xxxx
Plot scale: XXX

Designed by: DWH
Dwn by: RTW
Ckd by: WRM

Date: JUN 2008
D.O.FILE NO.

File name: 08-145SH04.DGN
08-145SH01.DGN
Reference files: 080968.DGN
NAPLES83.V7.DGN
08-145L1.DGN
08-145L2.DGN
08-145L3.DGN
08-145L4.DGN
08-145L5.DGN
08-145L6.DGN
08-145L7.DGN
08-145L8.DGN
COND-15.DGN
COND-11.DGN

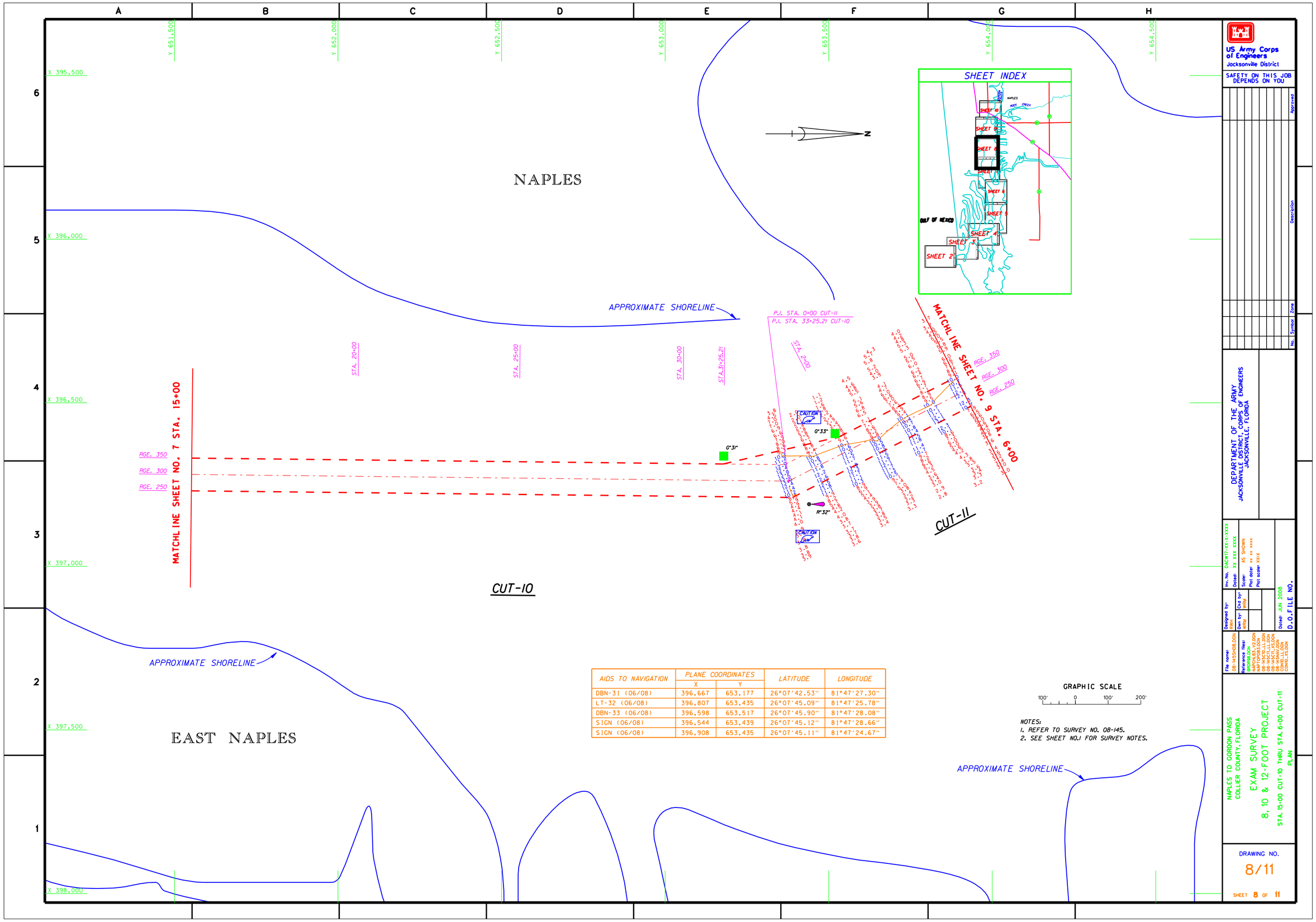
NAPLES TO GORDON PASS
COLLIER COUNTY, FLORIDA

EXAM SURVEY
8, 10 & 12-FOOT PROJECT

STA.5+00 CUT-3 THRU STA.5+00 CUT-6
PLAN

DRAWING NO.
4/11

SHEET 4 OF 11



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-31 (06/08)	396,667	653,177	26°07'42.53"	81°47'27.30"
LT-32 (06/08)	396,807	653,435	26°07'45.09"	81°47'25.78"
DBN-33 (06/08)	396,598	653,517	26°07'45.90"	81°47'28.08"
SIGN (06/08)	396,544	653,439	26°07'45.12"	81°47'28.66"
SIGN (06/08)	396,908	653,435	26°07'45.11"	81°47'24.67"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 08-145.
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: XX XX XXXX
Plot scale: XX:X

Designed by: RWH
Dwn by: WTM
Ckd by: DWB

Dated: JUN 2008
D.O. FILE NO.

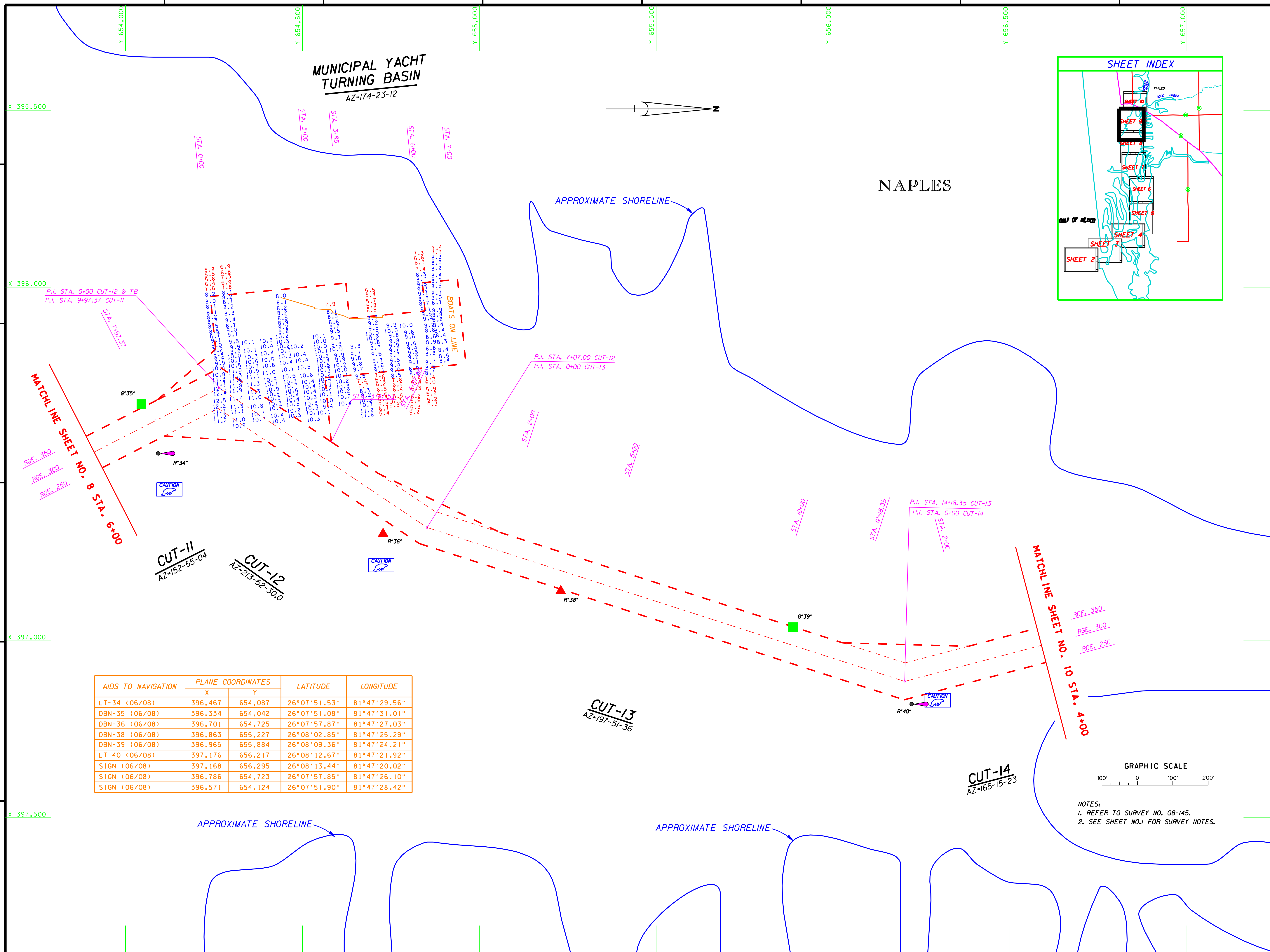
File name: 08-145SHO8.DGN
Reference files: BROWSE.DGN MAPTOPO3.DGN 08-145C01_L1.DGN 08-145C11_L1.DGN 08-145C11_XS.DGN 08-145ALL.DGN COMBINE.DGN COND_XS.DGN

NAPLES TO GORDON PASS
COLLIER COUNTY, FLORIDA

EXAM SURVEY
8, 10 & 12-FOOT PROJECT
STA. 15+00 CUT-10 THRU STA. 6+00 CUT-11
PLAN

DRAWING NO.
8/11

SHEET 8 OF 11



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-34 (06/08)	396,467	654,087	26°07'51.53"	81°47'29.56"
DBN-35 (06/08)	396,334	654,042	26°07'51.08"	81°47'31.01"
DBN-36 (06/08)	396,701	654,725	26°07'57.87"	81°47'27.03"
DBN-38 (06/08)	396,863	655,227	26°08'02.85"	81°47'25.29"
DBN-39 (06/08)	396,965	655,884	26°08'09.36"	81°47'24.21"
LT-40 (06/08)	397,176	656,217	26°08'12.67"	81°47'21.92"
SIGN (06/08)	397,168	656,295	26°08'13.44"	81°47'20.02"
SIGN (06/08)	396,786	654,723	26°07'57.85"	81°47'26.10"
SIGN (06/08)	396,571	654,124	26°07'51.90"	81°47'28.42"

NOTES:
1. REFER TO SURVEY NO. 08-145.
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: xx xx xxxx
Plot scale: XX:X

Designed by: RWH
Dwn by: WRM
Ckd by: WRM
Dated: JUN 2008
D.O.FILE NO.

File name: 08-145SH09.DGN
Reference files: BRDR98.DGN, NAPCHL83_V2.DGN, NAPTOPO83.DGN, 08-145C11_LL.DGN, 08-145C12_LL.DGN, 08-145C13_LL.DGN, 08-145C14_LL.DGN, 08-145YBC_XS.DGN, 08-145NAV.DGN, CON8_XS.DGN, CON10_LL.DGN

NAPLES TO GORDON PASS
COLLIER COUNTY, FLORIDA
EXAM SURVEY
8, 10 & 12-FOOT PROJECT
STA. 6+00 CUT-11 THRU STA. 4+00 CUT-14
PLAN

DRAWING NO.
9/11
SHEET 9 OF 11