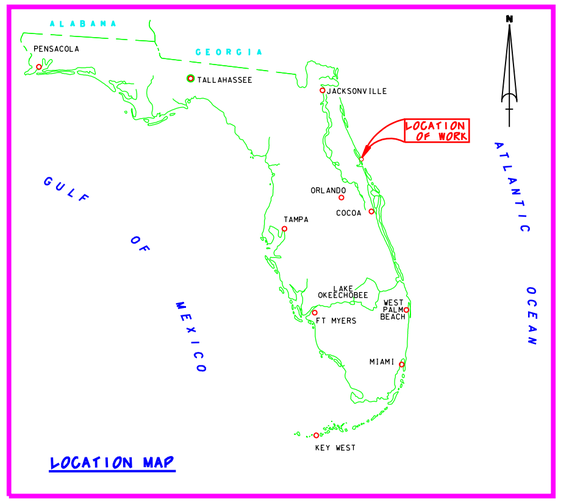
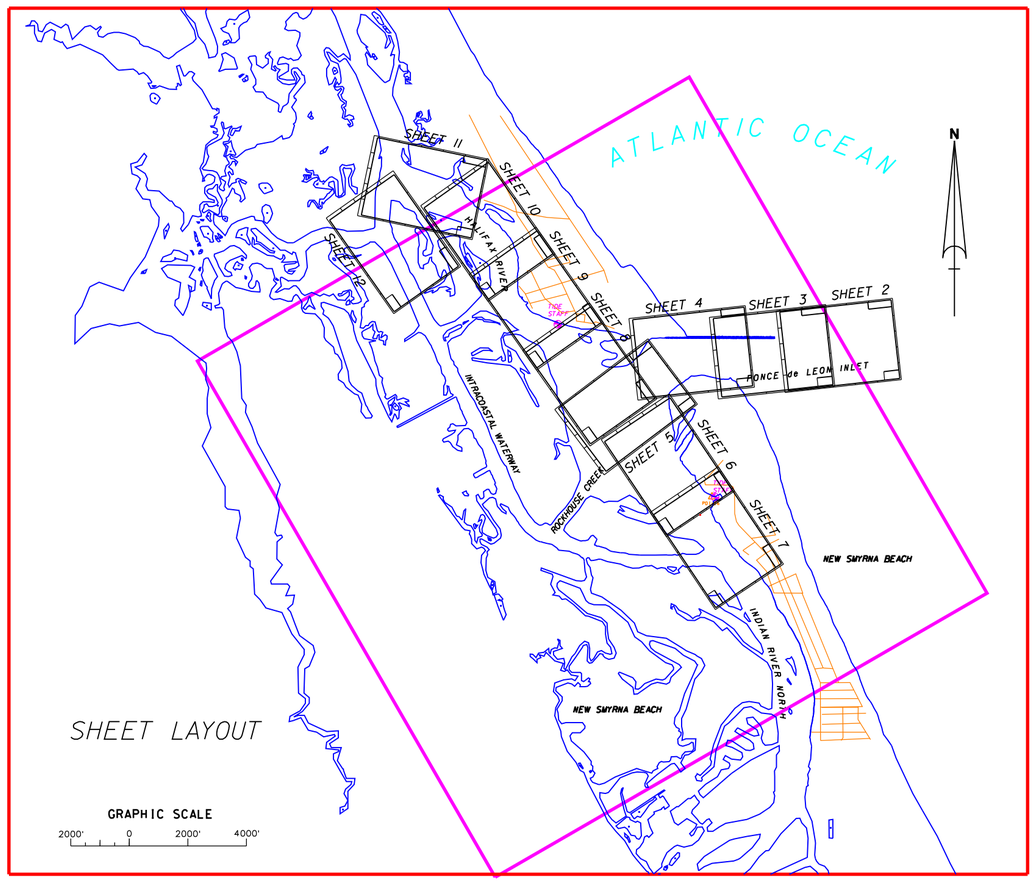
PONCE DE LEON INLET, FL
PROJECT CONDITION SURVEY



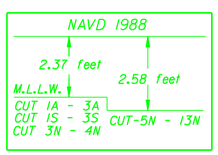


SURVEY NOTES:

1. REFER TO SURVEY NO. 08-043.
2. ELEVATIONS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER. REFER TO TABLE SHOWN FOR DIFFERENCES BELOW NAVD 1988.
3. ALL ELEVATIONS ARE BELOW THE REFERENCE PLANE UNLESS PRECEDED BY A (+) SIGN.
4. TIDAL REDUCTIONS WERE MADE FROM A STAFF SET ON A DOCK PILING AT THE U.S. COAST GUARD STATION IN THE VICINITY OF AND REFERENCED FROM BENCHMARK "PDI-26".
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 AN ROSS SWART SOUNDER DEPTH RECORDER WITH A 200KHZ (HIGH FREQUENCY) TRANSDUCER.

VESSEL	DATE OF SURVEY	CUT
WB-34	14 FEB 2008	CUTS 2A, 1S, 3N, 4N
WB-34	07-08 APR 2008	CUTS 5N-13N
WB-34	22 MAY 2008	CUT-1A
WB-34	02 JUN 2008	SOUTH JETTY EXTENSION

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 APR 04.



Relationship between NAVD 1988 and NOAA Mean Lower Low Water (1983 -2001 Epoch)

BENCHMARK	NAVD ELEV. (FT)
PDI-26	3.47

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

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

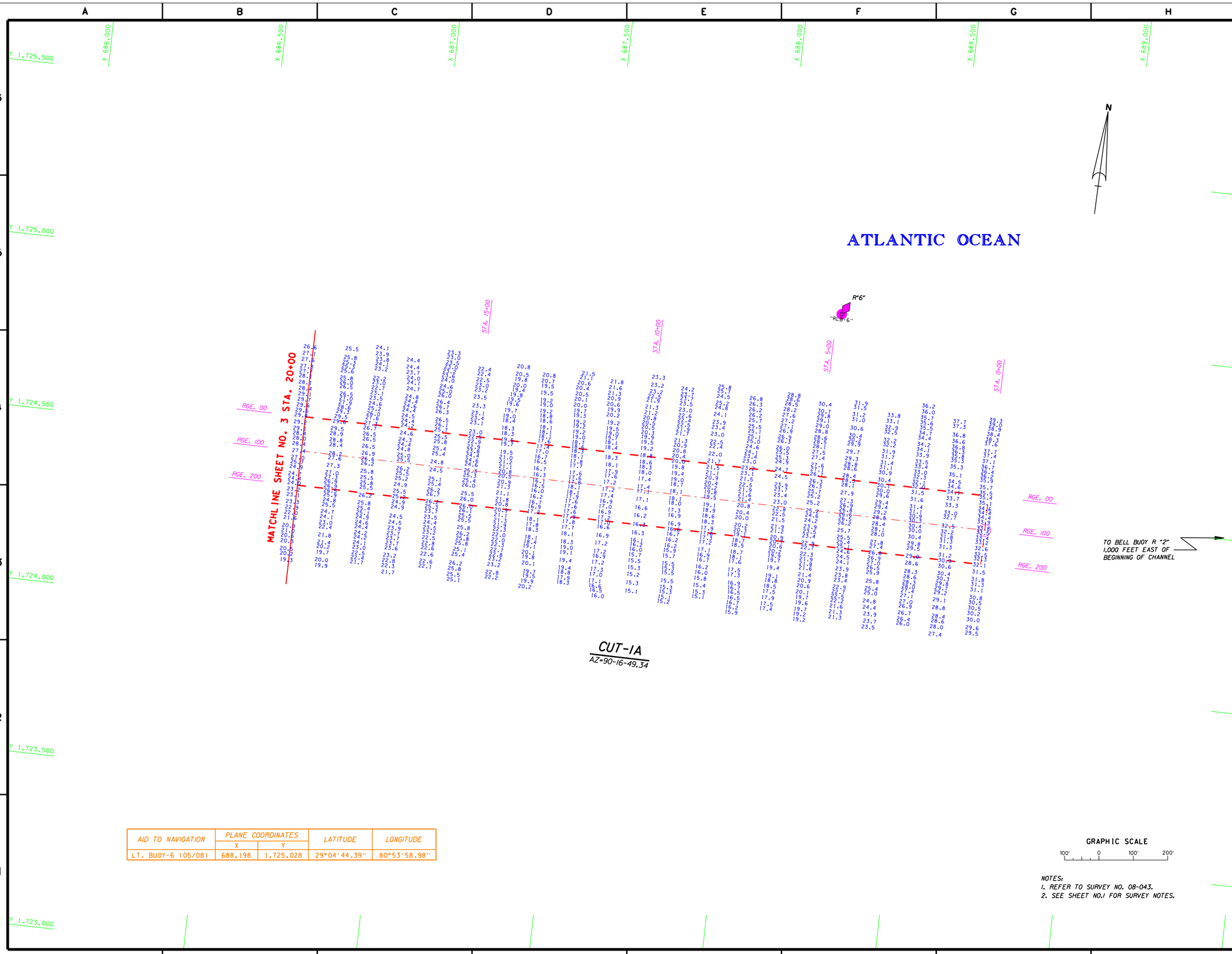
Designed by: TMH
Drawn by: TMH
Ckd by: DWP
Dated: MAY 2008
D.O.FILE NO.

File name: 08-043SHO1.DGN
Reference files: BRIDGE.DGN, SHTINDX_NEW.DGN, NEWFLMAP.DGN, PLAN3.DGN, ROADDOL-NEW-95.DGN

PONCE DE LEON INLET
VOLUSIA COUNTY, FLORIDA
PROJECT CONDITION SURVEY
7, 12 AND 15-FOOT PROJECT
COVER, LOCATION MAP, AND SHEET INDEX PLAN

DRAWING NO.
1/12

SHEET 1 of 12



AID TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-6 (05/08)	688,198	1,725,028	29°04'44.39"	80°53'58.98"

NOTES:
1. REFER TO SURVEY NO. 08-043.
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:X

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

Dated: MAY 2008
D.O.FILE NO.

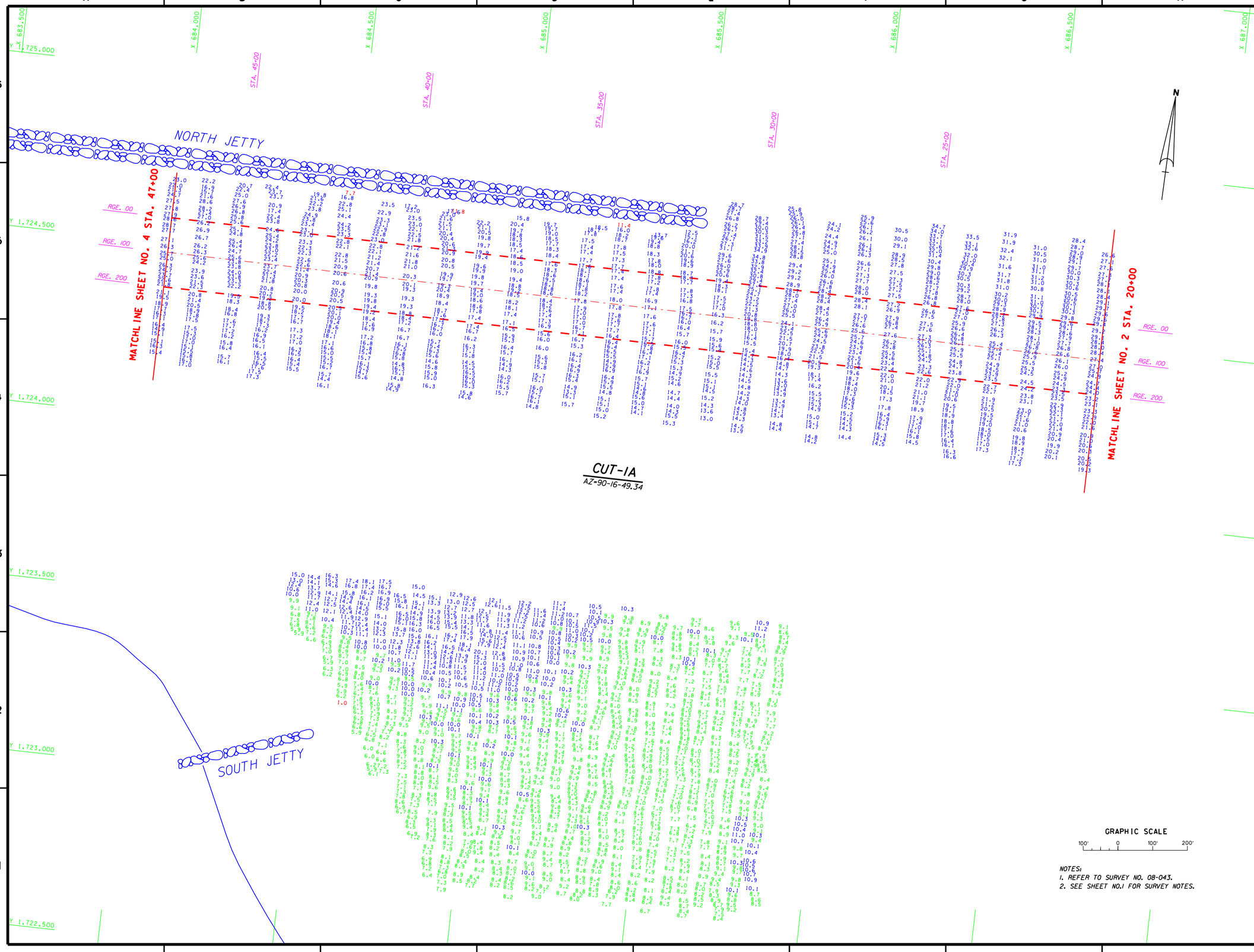
File name: 08-043SH02.DGN
Reference files: BRDR98.DGN
POLCH83.DGN
08-043C1A.DGN
08-043NAV.DGN

PONCE DE LEON INLET
VOLUSIA COUNTY, FLORIDA

PROJECT CONDITION SURVEY
7, 12 AND 15-FOOT PROJECT
STA. 0+00 THRU STA. 20+00 CUT-1A
PLAN

DRAWING NO.
2/12

SHEET 2 OF 12



NOTES:
1. REFER TO SURVEY NO. 08-043.
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: WRW
Dwn by: WRW
Ckd by: WRW
Dated: MAY 2008
D.O.FILE NO.

File name: 08-043SH03.DGN
Reference files: BRDR98.DGN PDLCH83.DGN 08-043C1A.DGN PDLTOPO83.DGN 08-043SE.DGN

PONCE DE LEON INLET
VOLUSIA COUNTY, FLORIDA

PROJECT CONDITION SURVEY
7, 12 AND 15-FOOT PROJECT
STA. 20+00 THRU STA. 47+00 CUT-1A
PLAN

DRAWING NO.
3/12

SHEET 3 OF 12

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-7 (02/08)	682,173	1,724,351	29°04'37.74"	80°55'06.89"
LT. BUOY-8 (02/08)	682,009	1,724,598	29°04'40.19"	80°55'08.74"

X 681,000 X 681,500 X 682,000 X 682,500 X 683,000 X 683,500 X 684,000

Y 1,725,000 Y 1,724,500 Y 1,724,000 Y 1,723,500 Y 1,723,000

STA. 65+00 STA. 60+00 STA. 55+00 STA. 50+00 STA. 5+00

P.I. STA. 65+32.64 CUT-1A
P.I. STA. 0+00 CUT-2A

NORTH JETTY

G"8" G"7"

MATCHLINE SHEET NO. 5 STA. 6+00

MATCHLINE SHEET NO. 3 STA. 47+00

RGE. 00 RGE. 100 RGE. 200

CUT-1A
AZ=90-16-49

CUT-2A
AZ=66-44-14

Approximate Shoreline at
Mean Lower Low Water

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 08-043.
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

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

Designed by: WHM
Drawn by: WHM
Checked by: WHM

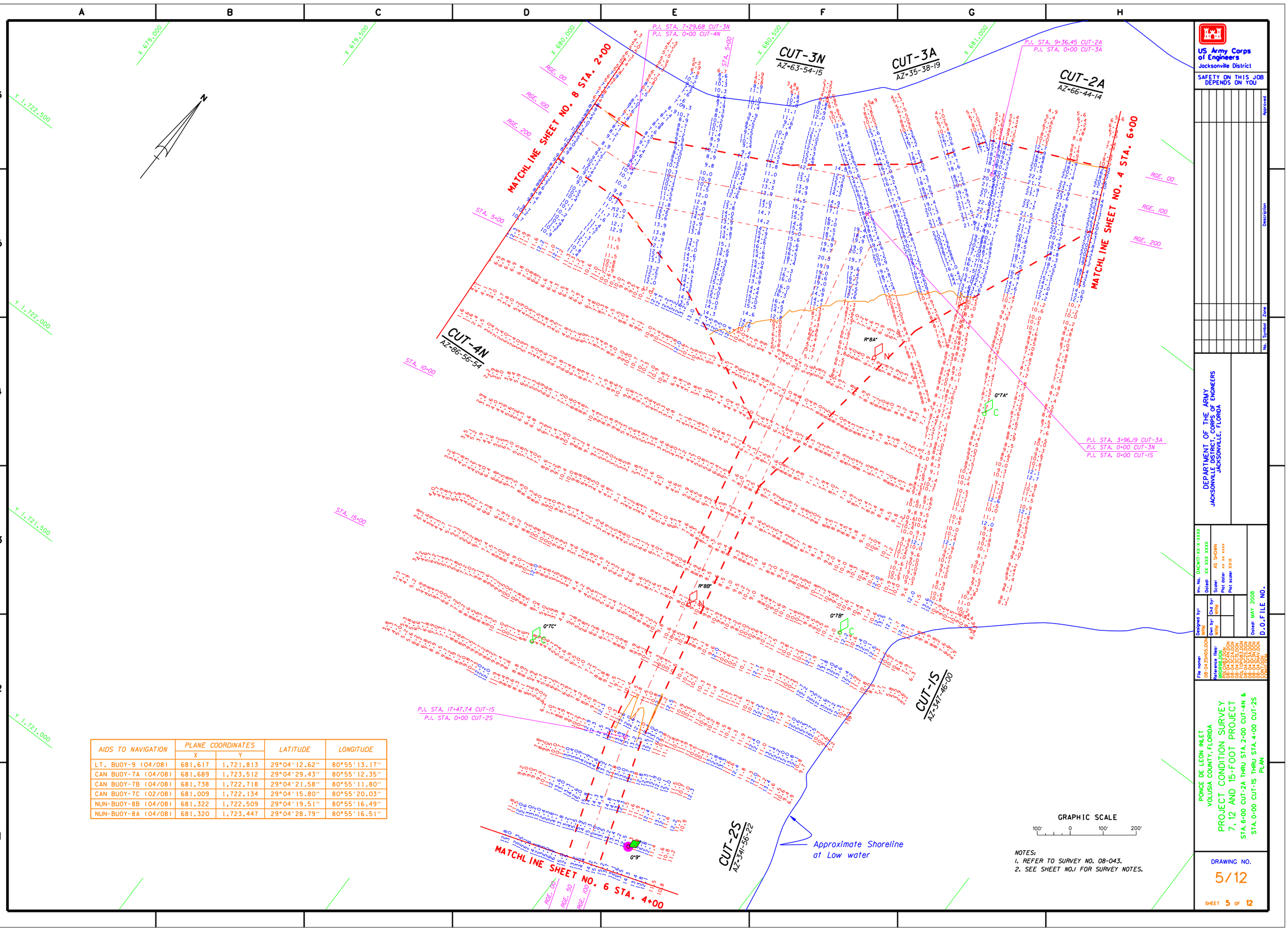
Dated: MAY 2008
D.O.F FILE NO.

File name: 08-043H04.DGN
Reference files: BRDR98.DGN
PDLCB83.DGN
08-043CL1.DGN
08-043C2A.DGN
08-043NAV.DGN
PDLTOPO83.DGN
CON42_2.DGN

PONCE DE LEON INLET
VOLUSIA COUNTY, FLORIDA

PROJECT CONDITION SURVEY
7, 12 AND 15-FOOT PROJECT
STA. 47+00 CUT-1A THRU STA. 5+00 CUT-3A
PLAN

DRAWING NO.
4/12
SHEET 4 OF 12



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-9 (04/08)	681,617	1,721,813	29°04'12.62"	80°55'13.17"
CAN BUOY-7A (04/08)	681,689	1,723,512	29°04'29.43"	80°55'12.35"
CAN BUOY-7B (04/08)	681,738	1,722,718	29°04'21.58"	80°55'11.80"
CAN BUOY-7C (02/08)	681,009	1,722,134	29°04'15.80"	80°55'20.03"
NUN-BUOY-8B (04/08)	681,322	1,722,509	29°04'19.51"	80°55'16.49"
NUN-BUOY-8A (04/08)	681,320	1,723,447	29°04'28.79"	80°55'16.51"

NOTES:
1. REFER TO SURVEY NO. 08-043.
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: XX XX XXXX
Plot scale: XX:X

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

File name: 08-043SH05.DGN
Reference files: BRDR98.DGN, PDLCH03.DGN, 08-043C24N.DGN, 08-043C24.DGN, 08-043C15.DGN, PDLTOPO83.DGN, 08-043C25.DGN, 08-043C34.DGN, 08-043C3N.DGN, 08-043NAV.DGN, CONT7.DGN, CONT12.DGN

Dated: MAY 2008
D.O.FILE NO.

PONCE DE LEON INLET
VOLUSIA COUNTY, FLORIDA
PROJECT CONDITION SURVEY
7, 12 AND 15-FOOT PROJECT
STA. 6+00 CUT-2A THRU STA. 2+00 CUT-4N &
STA. 0+00 CUT-1S THRU STA. 4+00 CUT-2S
PLAN

DRAWING NO.
5/12

SHEET 5 OF 12

A B C D E F G H

6 5 4 3 2 1

Y 1,722,500 Y 1,722,000 Y 1,721,500 Y 1,721,000 Y 1,720,500 Y 1,720,000

X 681,500 X 681,000 X 680,500 X 680,000

Approximate Shoreline

STA. 5+00 STA. 10+00 STA. 15+00 STA. 20+00

RGE. 100 RGE. 50 RGE. 00

MATCHLINE SHEET NO. 5 STA. 4+00

R=10'

P.I. STA. 21+65.94 CUT-2S
P.I. STA. 0+00 CUT-3S

STA. 5+00

RGE. 100 RGE. 50 RGE. 00

MATCH LINE SHEET NO. 7 STA. 10+00

CUT-2S
AZ=341-56-22

CUT-3S
AZ=326-09-23

SLOW SPEED SIGN

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-10 (04/08)	681,302	1,721,526	29°04'09.77"	80°55'16.73"
SIGN (04/08)	682,309	1,719,208	29°03'46.82"	80°55'05.40"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 08-043.
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

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

Designed by: KRM
Drawn by: KRM
Checked by: KRM

Dated: MAY 2008

D.O.F.ILE NO.

File name:
08-043SHO6.DGN
Reference files:
BRDR98.DGN
PDLCH83.DGN
08-043NAV.DGN
08-043C3S.DGN
08-043C2S_2.DGN
PDLTOPO83.DGN

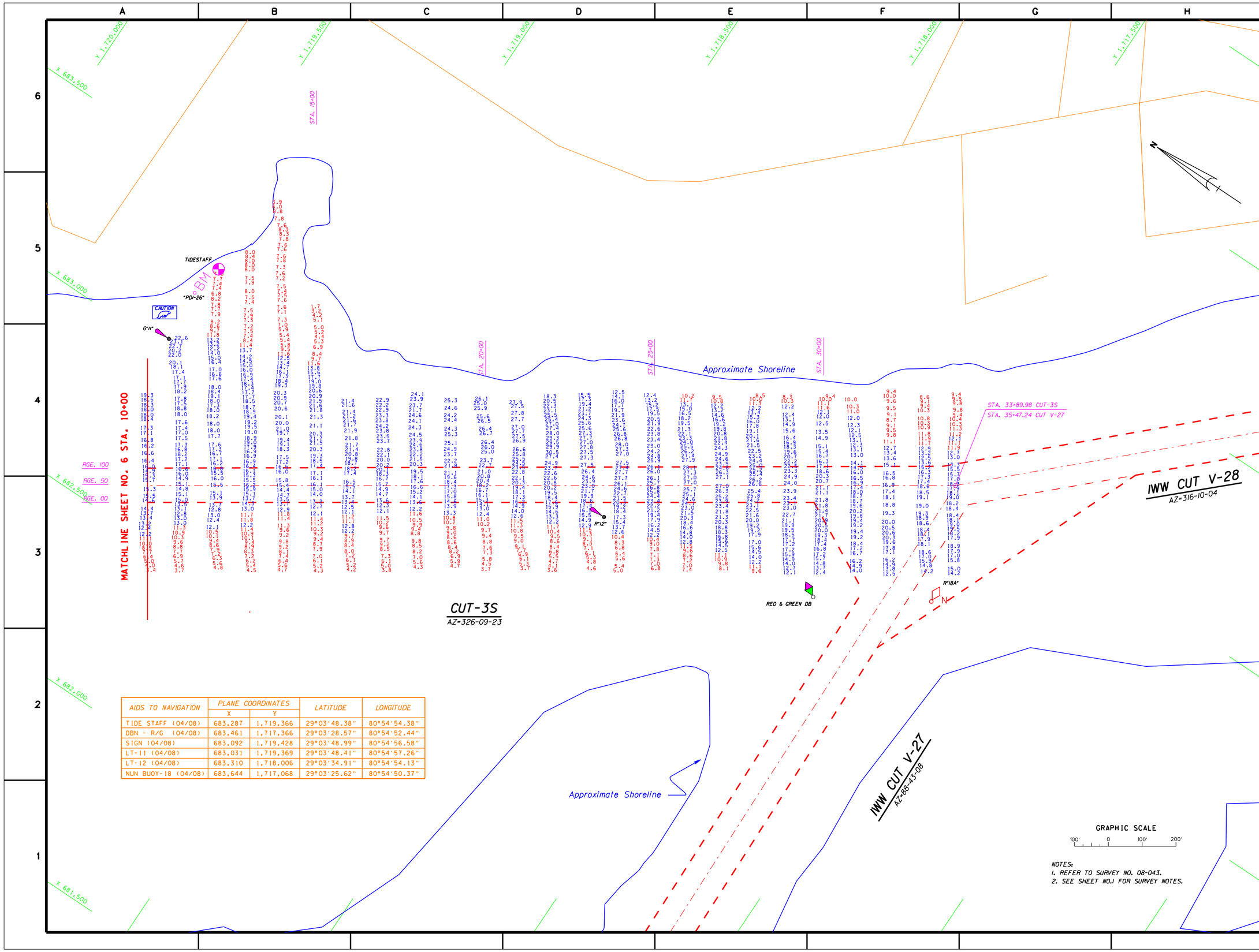
PONCE DE LEON INLET
VOLUSIA COUNTY, FLORIDA

PROJECT CONDITION SURVEY
7, 12 AND 15-FOOT PROJECT

STA. 4+00 CUT-2S THRU STA. 10+00 CUT-3S
PLAN

DRAWING NO.
6/12

SHEET 6 OF 12



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
TIDE STAFF (04/08)	683,287	1,719,366	29°03'48.38"	80°54'54.38"
DBN - R/G (04/08)	683,461	1,717,366	29°03'28.57"	80°54'52.44"
SIGN (04/08)	683,092	1,719,428	29°03'48.99"	80°54'56.58"
LT-11 (04/08)	683,031	1,719,369	29°03'48.41"	80°54'57.26"
LT-12 (04/08)	683,310	1,718,006	29°03'34.91"	80°54'54.13"
NUN BUOY-18 (04/08)	683,644	1,717,068	29°03'25.62"	80°54'50.37"

NOTES:
1. REFER TO SURVEY NO. 08-043.
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: WRM
Dwn by: WRM
Ckd by: WRM

Dated: MAY 2008
D.O.FILE NO.

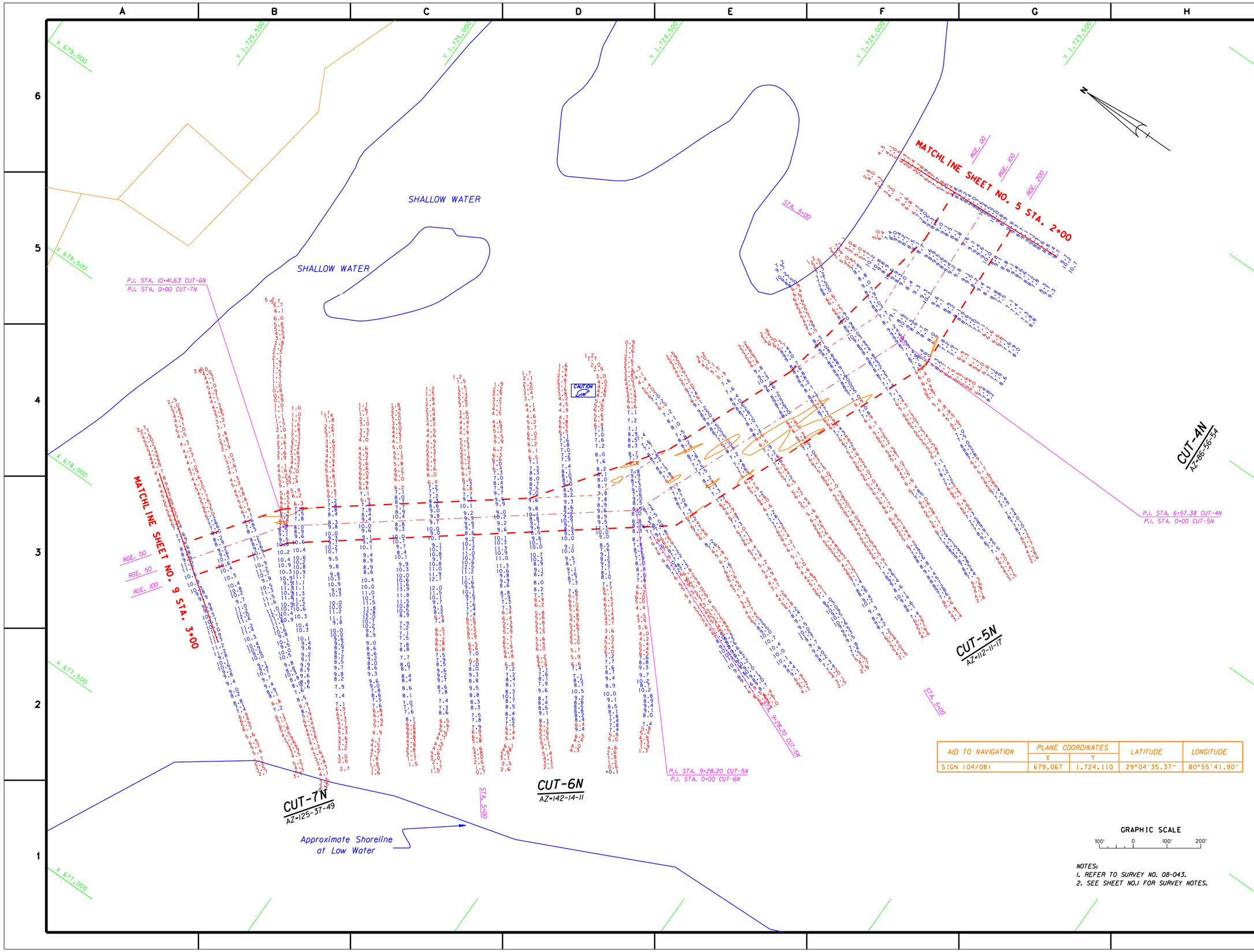
File name: 08-043SH07.DGN
Reference files: BRDR98.DGN, PDLCH83.DGN, PDLTOP083.DGN, 08-043C3S.DGN, 08-043NAV.DGN

PONCE DE LEON INLET
VOLUSIA COUNTY, FLORIDA

PROJECT CONDITION SURVEY
7, 12 AND 15-FOOT PROJECT
STA. 10+00 THRU STA. 33+89.98 CUT-3S
PLAN

DRAWING NO.
7/12

SHEET 7 OF 12



AID TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
SIGN (04/08)	679,067	1,724,110	29°04'35.37"	80°55'41.90"

NOTES:
1. REFER TO SURVEY NO. 08-043.
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

Designed by: WRM
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: XXX

File name: 08-043SH08.DGN
Reference files: BRDR98.DGN PDLCH83.DGN PDLT0PO83.DGN 08-043CAN.DGN 08-043CSN.DGN 08-043CSN.DGN 08-043CTN.DGN 08-043NAV.DGN CON7.DGN

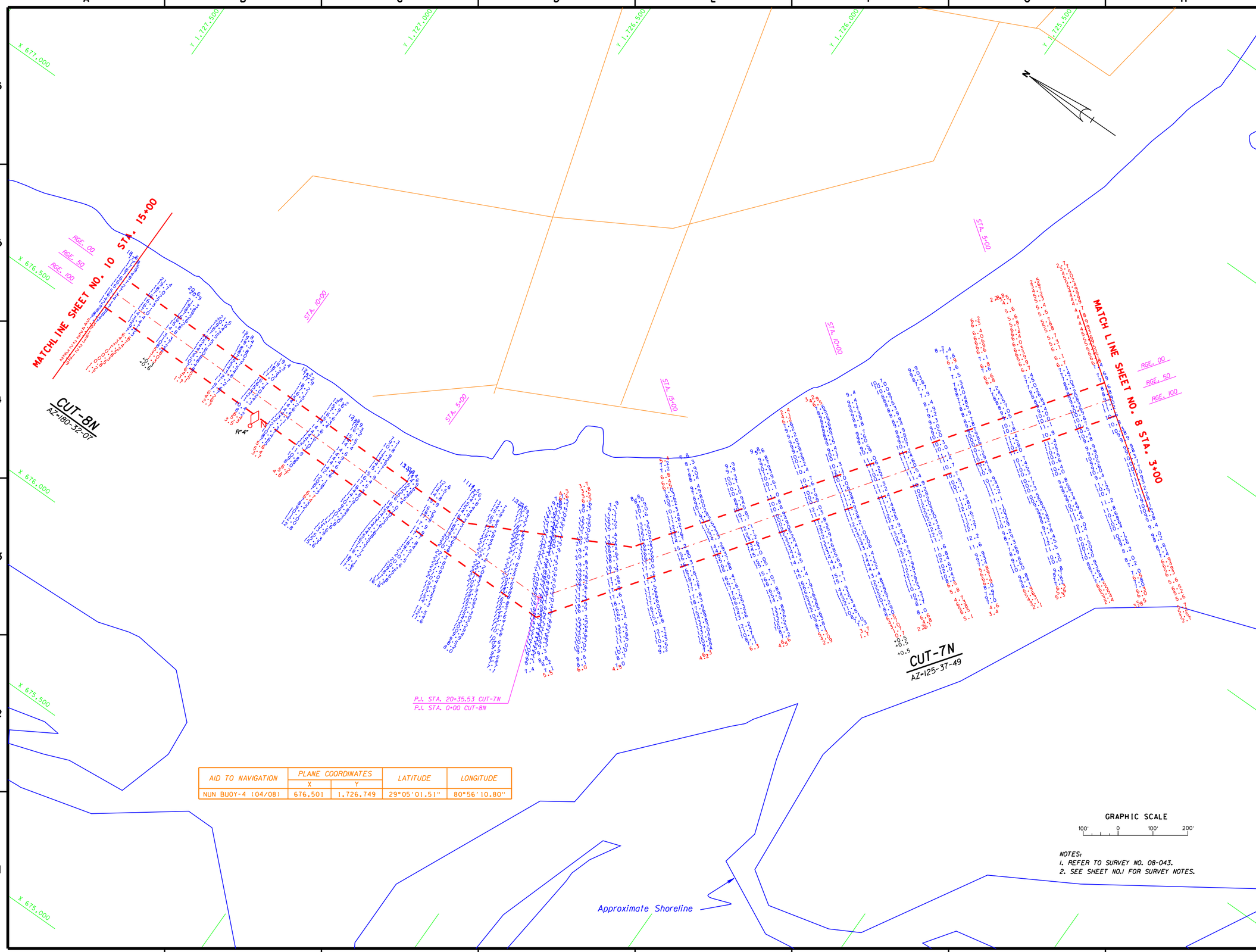
Dated: MAY 2008
D.O.FILE NO.

PONCE DE LEON INLET
VOLUSIA COUNTY, FLORIDA

PROJECT CONDITION SURVEY
7, 12 AND 15-FOOT PROJECT
STA. 1+00 CUT-5N THRU STA. 3+00 CUT-7N
PLAN

DRAWING NO.
8/12

SHEET 8 OF 12



AID TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
NUN BUOY-4 (04/08)	676,501	1,726,749	29°05'01.51"	80°56'10.80"

NOTES:
1. REFER TO SURVEY NO. 08-043.
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

Designed by: WRM
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: XXX

File name: 08-043SH09.DGN
Reference files: BRDR98.DGN, POLCH83.DGN, POLTOP083.DGN, 08-043C7N.DGN, 08-043C8N.DGN, 08-043NAV.DGN

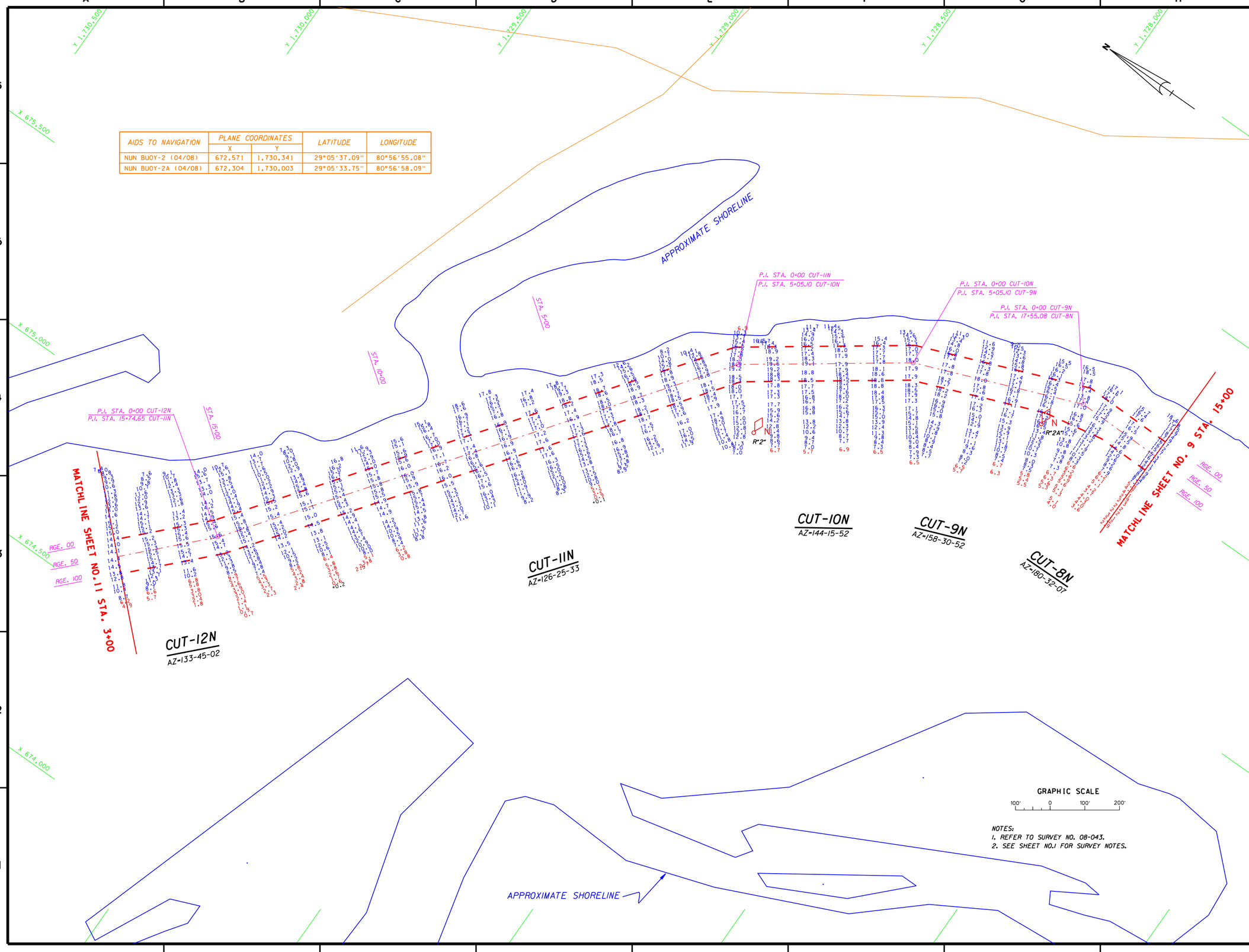
Dated: MAY 2008
D.O.FILE NO.

PONCE DE LEON INLET
VOLUSIA COUNTY, FLORIDA

PROJECT CONDITION SURVEY
7, 12 AND 15-FOOT PROJECT
STA. 3+00 CUT-7N THRU STA. 15+00 CUT-8N
PLAN

DRAWING NO.
9/12

SHEET 9 OF 12



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
NUN BUOY-2 (04/08)	672,571	1,730,341	29°05'37.09"	80°56'55.08"
NUN BUOY-2A (04/08)	672,304	1,730,003	29°05'33.75"	80°56'58.09"

NOTES:
1. REFER TO SURVEY NO. 08-043.
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

Inv. No. DACW17-98-D-0013
Dated:
Scale: AS SHOWN
Plot date:
Plot scale:
Designed by: RWH
Dwn by: WRW
Ckd by: WRW
Dated: MAY 2008
D.O. FILE NO.

File name: 08-043SH10.DGN
Reference files: BRDR98.DGN, PDLCH83.DGN, 08-043CBN.DGN, 08-043CBN.DGN, 08-043C1IN.DGN, 08-043C1IN.DGN, 08-043C12N.DGN, PDLTOPO83.DGN, 08-043NAV.DGN

PONCE DE LEON INLET
VOLUSIA COUNTY, FLORIDA
PROJECT CONDITION SURVEY
7, 12, AND 15-FOOT PROJECT
STA. 15+00 CUT-8N THRU STA.3+00 CUT-13N
PLAN

DRAWING NO.
10/12
SHEET 10 OF 12

A B C D E F G H

6 5 4 3 2 1

Y 1,732,000 Y 1,731,500 Y 1,731,000 Y 1,730,500 Y 1,730,000 Y 1,729,500

X 672,000 X 672,500 X 673,000 X 673,500 X 674,000 X 674,500 X 675,000

RGE. 00 RGE. 62.5 RGE. 125

STA. 60+00 IWW CUT V-22

IWW CUT V-22
AZ=341-58-07

STA. 67+69.6 CUT V-22
STA. 0+00 CUT V-23

P.I. STA. 17+95.29 CUT-13N
P.I. STA. 6+29.18 CUT V-23

R=2'

G=3°

R=2A'

IWW CUT V-23
AZ=05-17-12

APPROXIMATE SHORELINE

STA. 15+00 CUT V-23

CUT-13N
AZ=101-46-29

CAUTION

STA. 10+00

STA. 5+00

G=1°

P.I. STA. 0+00 CUT-13N
P.I. STA. 10+70.11 CUT-12N

CUT-12N
AZ=133-45-02

MATCHLINE SHEET NO. 10 STA. 3+00

RGE. 00 RGE. 50 RGE. 100

N

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
CAN BUOY-1 (04/08)	673,800	1,730,240	29°05'36.09"	80°56'41.22"
SIGN (04/08)	673,477	1,730,398	29°05'37.66"	80°56'44.86"
CAN BUOY-3 (04/08)	672,669	1,730,245	29°05'36.14"	80°56'53.97"
NUN BUOY-2 (04/08)	675,978	1,728,270	29°05'16.58"	80°56'16.69"
NUN BUOY-2A (04/08)	676,476	1,727,608	29°05'10.01"	80°56'11.08"
SIGN (04/08)	673,239	1,729,857	29°05'32.30"	80°56'47.55"

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 08-043.
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

Drw. No. DACW17-98-D-0013
Dated:
Scale: AS SHOWN
Plot date:
Plot scale:

Designed by RWH
Drn by KRW
Ckd by WEB

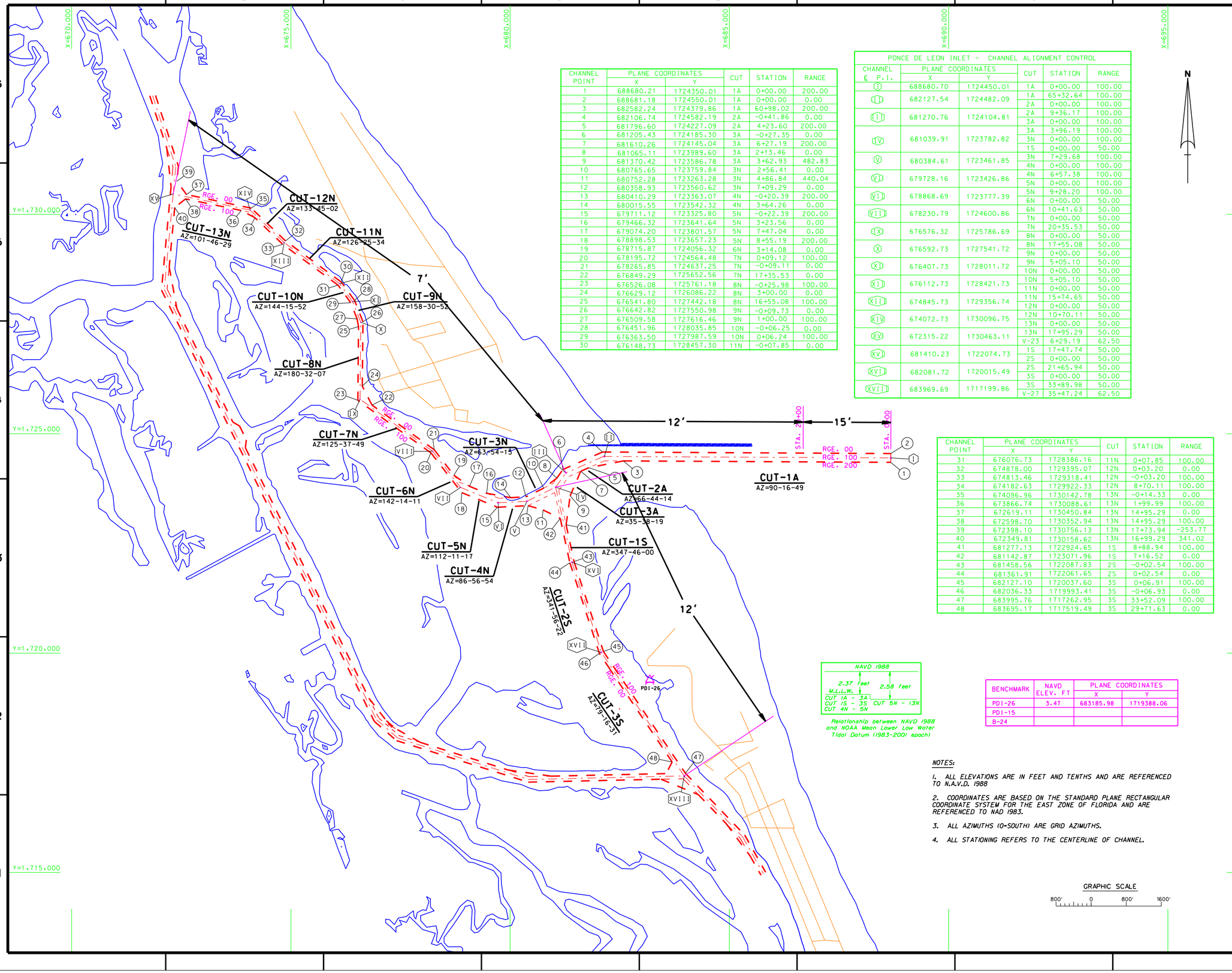
Dated: MAY 2008
D.O.F ILE NO.

File name: 08-04 3SHTLDGN
Reference files: BRDRRE.DGN, 08-04 1CTRLDGN, 08-04 2CTRLDGN, 08-04 3NVLDGN, 08-04 4TOPOB.DGN, COST.DGN

PONCE DE LEON INLET
VOLUSIA COUNTY, FLORIDA
PROJECT CONDITION SURVEY
7, 12, AND 15-FOOT PROJECT
STA. 3+00 CUT-12N THRU STA. 17+95.29 CUT-13N
PLAN

DRAWING NO.
11/12

SHEET 11 OF 12



CHANNEL POINT	PLANE COORDINATES X	PLANE COORDINATES Y	CUT	STATION	RANGE
1	688680.21	1724350.01	1A	0+00.00	200.00
2	688681.18	1724550.01	1A	0+00.00	0.00
3	682582.24	1724379.86	1A	60+98.02	200.00
4	682106.74	1724582.19	2A	-0+41.86	0.00
5	681796.60	1724227.09	2A	4+23.60	200.00
6	681205.43	1724185.30	3A	-0+27.35	0.00
7	681610.26	1724145.04	3A	6+27.19	200.00
8	681065.11	1723989.60	3A	2+13.46	0.00
9	681370.42	1723586.78	3A	3+62.93	482.83
10	680765.65	1723759.84	3N	2+56.41	0.00
11	680752.28	1723263.28	3N	4+86.84	440.04
12	680358.93	1723560.62	3N	7+09.29	0.00
13	680410.29	1723363.07	4N	-0+20.39	200.00
14	680015.55	1723542.32	4N	3+64.26	0.00
15	679711.12	1723325.80	5N	-0+22.39	200.00
16	679466.32	1723641.64	5N	3+23.56	0.00
17	679074.20	1723801.57	5N	7+47.04	0.00
18	678898.53	1723657.23	5N	8+55.19	200.00
19	678715.87	1724056.32	6N	3+14.08	0.00
20	678195.72	1724564.48	7N	0+09.12	100.00
21	678265.85	1724637.25	7N	-0+09.11	0.00
22	676849.29	1725652.56	7N	17+35.53	0.00
23	676526.08	1725761.18	8N	-0+25.98	100.00
24	676629.12	1726086.22	8N	3+00.00	0.00
25	676541.80	1727442.18	8N	16+55.08	100.00
26	676642.82	1727550.98	9N	-0+09.73	0.00
27	676509.58	1727616.46	9N	1+00.00	100.00
28	676451.96	1728035.85	10N	-0+06.25	0.00
29	676363.50	1727987.59	10N	0+06.24	100.00
30	676148.73	1728457.30	11N	-0+07.85	0.00

PONCE DE LEON INLET - CHANNEL ALIGNMENT CONTROL

CHANNEL ℄ P.I.	PLANE COORDINATES X	PLANE COORDINATES Y	CUT	STATION	RANGE
I	688680.70	1724450.01	1A	0+00.00	100.00
II	682127.54	1724482.09	1A	65+32.64	100.00
			2A	0+00.00	100.00
III	681270.76	1724104.81	2A	9+36.17	100.00
			3A	0+00.00	100.00
IV	681039.91	1723782.82	3A	3+96.19	100.00
			3N	0+00.00	100.00
			1S	0+00.00	50.00
V	680384.61	1723461.85	3N	7+29.68	100.00
			4N	0+00.00	100.00
VI	679728.16	1723426.86	4N	6+57.38	100.00
			5N	0+00.00	100.00
VII	678868.69	1723777.39	5N	9+28.20	100.00
			6N	0+00.00	50.00
VIII	678230.79	1724600.86	6N	10+41.63	50.00
			7N	0+00.00	50.00
IX	676576.32	1725786.69	7N	20+35.53	50.00
			8N	0+00.00	50.00
X	676592.73	1727541.72	8N	17+55.08	50.00
			9N	0+00.00	50.00
XI	676407.73	1728011.72	9N	5+05.10	50.00
			10N	0+00.00	50.00
XII	676112.73	1728421.73	10N	5+05.10	50.00
			11N	0+00.00	50.00
XIII	674845.73	1729356.74	11N	15+74.65	50.00
			12N	0+00.00	50.00
XIV	674072.73	1730096.75	12N	10+70.11	50.00
			13N	0+00.00	50.00
XV	672315.22	1730463.11	13N	17+95.29	50.00
			V-23	6+29.19	62.50
XVI	681410.23	1722074.73	1S	17+47.74	50.00
			2S	0+00.00	50.00
XVII	682081.72	1720015.49	2S	21+65.94	50.00
			3S	0+00.00	50.00
XVIII	683969.69	1717199.86	3S	33+89.98	50.00
			V-27	35+47.24	62.50

CHANNEL POINT	PLANE COORDINATES X	PLANE COORDINATES Y	CUT	STATION	RANGE
31	676076.73	1728386.16	11N	0+07.85	100.00
32	674878.00	1729395.07	12N	0+03.20	0.00
33	674813.46	1729318.41	12N	-0+03.20	100.00
34	674182.63	1729922.33	12N	8+70.11	100.00
35	674096.96	1730142.78	13N	-0+14.33	0.00
36	673866.74	1730088.61	13N	1+99.99	100.00
37	672619.11	1730450.84	13N	14+95.29	0.00
38	672598.70	1730352.94	13N	14+95.29	100.00
39	672398.10	1730756.13	13N	17+73.94	-253.77
40	672349.81	1730158.62	13N	16+99.29	341.02
41	681277.13	1722924.65	1S	8+88.94	100.00
42	681142.87	1723071.96	1S	7+16.52	0.00
43	681458.56	1722087.83	2S	-0+02.54	100.00
44	681361.91	1722061.65	2S	0+02.54	0.00
45	682127.10	1720037.60	3S	0+06.91	100.00
46	682036.33	1719993.41	3S	-0+06.93	0.00
47	683995.76	1717262.95	3S	33+52.09	100.00
48	683695.17	1717519.49	3S	29+71.63	0.00

NAVD 1988

2.37 feet M.L.L.W. — CUT 1A - 1A, CUT 1S - 3S

2.58 feet — CUT 5N - 13N, CUT 4N - 5N

Relationship between NAVD 1988 and NOAA Mean Lower Low Water Tidal Datum (1983-2001 epoch)

BENCHMARK	NAVD ELEV. FT	PLANE COORDINATES X	PLANE COORDINATES Y
PDI-26	3.47	683185.98	1719388.06
PDI-15			
B-24			

NOTES:

1. ALL ELEVATIONS ARE IN FEET AND TENTHS AND ARE REFERENCED TO N.A.V.D. 1988

2. COORDINATES ARE BASED ON THE STANDARD PLANE RECTANGULAR COORDINATE SYSTEM FOR THE EAST ZONE OF FLORIDA AND ARE REFERENCED TO NAD 1983.

3. ALL AZIMUTHS (O-SOUTH) ARE GRID AZIMUTHS.

4. ALL STATIONING REFERS TO THE CENTERLINE OF CHANNEL.

GRAPHIC SCALE

800' 0 800' 1600'

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: WRM
Drawn by: WRM
Cad by: WRM
Dated: MAY 2008

File name: 08-04SM12.DGN
Reference files: BRDP98.DGN

D.O.F.ILE NO. XXX-XX,XXX

PONCE DE LEON INLET, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
CONTROL SHEET
PLAN

DRAWING NO.
12/12

SHEET 12 OF 12