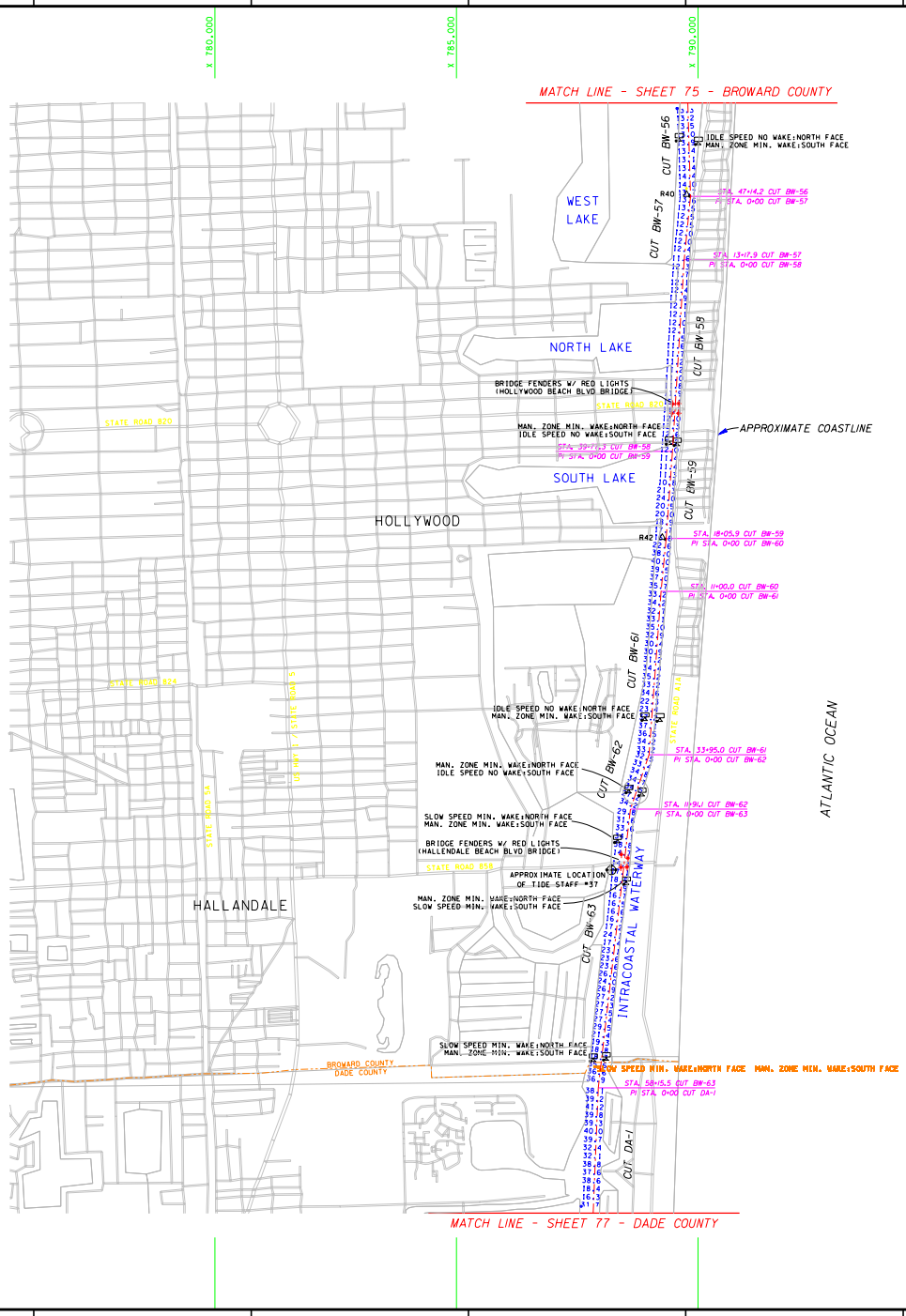
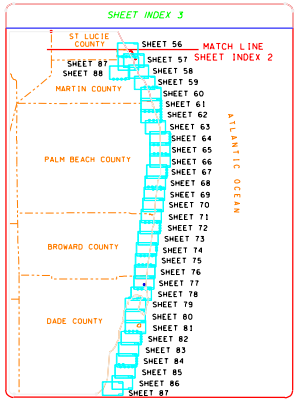


AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 27 (X)	(Y)	LATITUDE NAD 27	LONGITUDE NAD 27
R40	789,762	615,378	26°01'26.51"	080°07'03.53"
R42	789,262	608,270	26°00'16.16"	080°07'09.54"

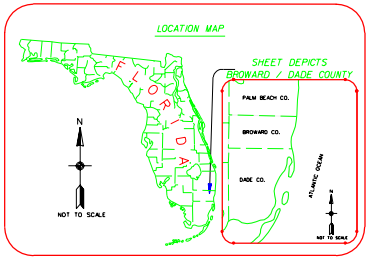
TIDE STAFF TABULATION

TIDE STAFF DESIGNATION	REFERENCE MONUMENT DESCRIPTION	EL FEET (NGVD)
TIDE STAFF NO. 37	COE "IWBW 132 1962 JACKSONVILLE FLA"	26.88
	FLORIDA SRD "25.54"	25.54

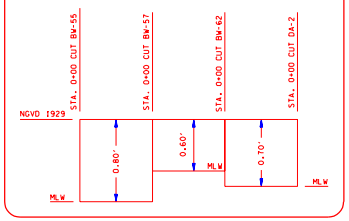
SHEET INDEX 3



LOCATION MAP



RELATIONSHIP BETWEEN
NGVD 1929 AND MEAN LOW WATER



SURVEY LEGEND

	TIDE STAFF
	FLOATING BUOY
	INFORMATION SIGN
	BRIDGE FENDER
	RED NAVIGATIONAL AID
	GREEN NAVIGATIONAL AID
	RED NAVIGATIONAL AID WITH BEACON
	GREEN NAVIGATIONAL AID WITH BEACON

N

1000 500 0 1000 2000FT

SCALE: 1"=1000'

NOTES:
1. REFER TO SURVEY NO. 99-314.
2. SEE SHEET NO. 1 FOR 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

SEA SYSTEMS CORPORATION
2300 NORTHWEST 30TH PLACE
POMPANO BEACH, FLORIDA

Inv. No. DACW17-98-D-0004
Dated: APRIL, 2000
D.O. FILE NO. 120A-37-989

Designed by:
Dwn by: S.B.M.
Ckd by: K.C.J.
Scale: AS SHOWN
Plot date:
Plot scale:

File name: a314SH76.DGN
Reference files: A314TB3.DGN, BROWBASE.DGN, BROWCL.DGN, BROWLINE.DGN, DADECL.DGN, A314SOC.DGN, RDCE3.DGN

RECONNAISSANCE SURVEY OF THE
INTRACOASTAL WATERWAY
ST. JOHNS RIVER, JACKSONVILLE TO MIAMI
10-FOOT PROJECT
DADE AND BROWARD COUNTY
CUT BW-56 THRU CUT DA-1
PLAN

DRAWING NO.

SHEET 76 OF 91

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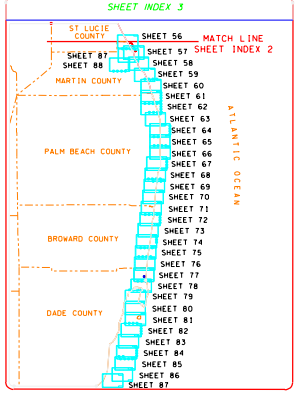
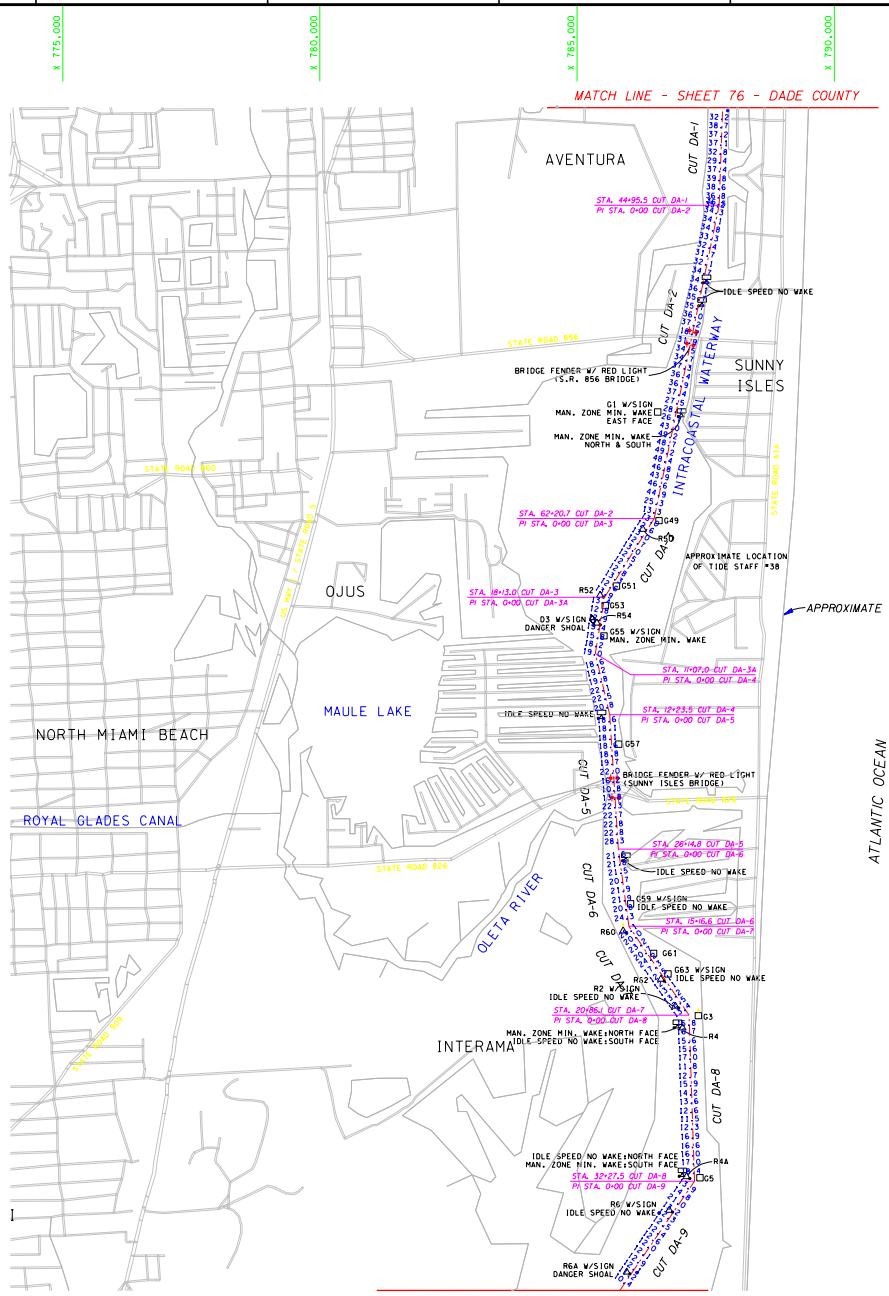
AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 27 (X)	(Y)	LATITUDE NAD 27	LONGITUDE NAD 27
G1	786,566	588,357	25°56'59.10"	080°07'40.54"
G49	786,593	586,243	25°56'38.17"	080°07'40.39"
R50	786,272	586,076	25°56'36.54"	080°07'43.92"
G51	785,763	584,971	25°56'25.63"	080°07'49.58"
R52	785,447	584,793	25°56'23.88"	080°07'53.05"
G53	785,547	584,591	25°56'21.88"	080°07'51.97"
R54	785,384	584,252	25°56'18.53"	080°07'53.79"
D3	785,332	584,205	25°56'18.07"	080°07'54.35"
G55	785,523	584,003	25°56'16.05"	080°07'52.28"
G57	785,808	581,896	25°55'55.17"	080°07'49.31"
G59	786,041	578,193	25°55'24.42"	080°07'46.98"
R60	785,896	578,264	25°55'19.19"	080°07'48.61"
G61	786,488	577,831	25°55'14.86"	080°07'42.16"
G63	786,764	577,428	25°55'10.85"	080°07'39.16"
R62	786,629	577,324	25°55'09.83"	080°07'40.65"
R2	786,907	576,803	25°55'04.65"	080°07'37.64"
G3	787,357	576,616	25°55'02.77"	080°07'32.73"
R4	787,049	576,377	25°55'00.42"	080°07'36.12"
R4A	787,128	573,487	25°54'31.79"	080°07'35.47"
G5	787,386	573,467	25°54'31.58"	080°07'32.64"
R6	786,791	572,831	25°54'25.32"	080°07'39.20"
R6A	785,966	571,630	25°54'13.48"	080°07'48.32"

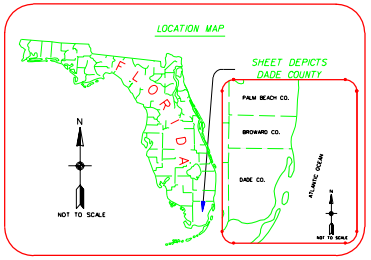
TIDE STAFF TABULATION

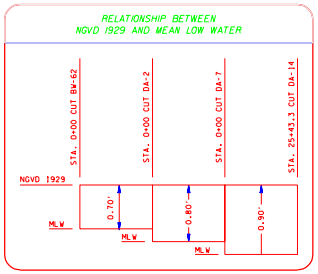
TIDE STAFF DESIGNATION	REFERENCE MONUMENT DESCRIPTION	EL FEET (NGVD)
TIDE STAFF NO. 38	NOS "NO 5 1973"	3.97
	DNR "3044 H 1982 BSM"	2.94

SHEET INDEX 3









SURVEY LEGEND

	TIDE STAFF
	FLOATING BUOY
	INFORMATION SIGN
	BRIDGE FENDER
	RED NAVIGATIONAL AID
	GREEN NAVIGATIONAL AID
	RED NAVIGATIONAL AID WITH BEACON
	GREEN NAVIGATIONAL AID WITH BEACON

1000 500 0 1000 2000FT

SCALE: 1"=1000'

NOTES:
1. REFER TO SURVEY NO. 99-314.
2. SEE SHEET NO. 1 FOR 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

SEA SYSTEMS CORPORATION
2300 NORTHWEST 30TH PLACE
POMPANO BEACH, FLORIDA

Inv. No. DACW17-98-D-0004
Scale: AS SHOWN
Designed by: File name: DAGENERAL.DGN
Drawn by: S.B.M. Cad by: K.C.J. Plot scale: Plot center:
Reference files: A314TB3.DGN DAGEBASE.DGN DAGECL.DGN A314SH01.DGN A314SH02.DGN NGS3X3.DGN
Dated: APRIL, 2000
D.O. FILE NO. 120A-37-989

RECONNAISSANCE SURVEY OF THE INTRACOASTAL WATERWAY
ST. JOHNS RIVER, JACKSONVILLE TO MIAMI
10-FOOT PROJECT
DADE COUNTY
CUT DA-1 THRU CUT DA-9
PLAN

DRAWING NO.

SHEET 77 OF 91

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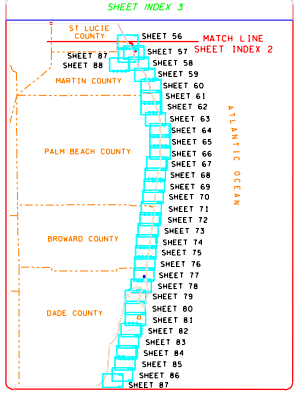
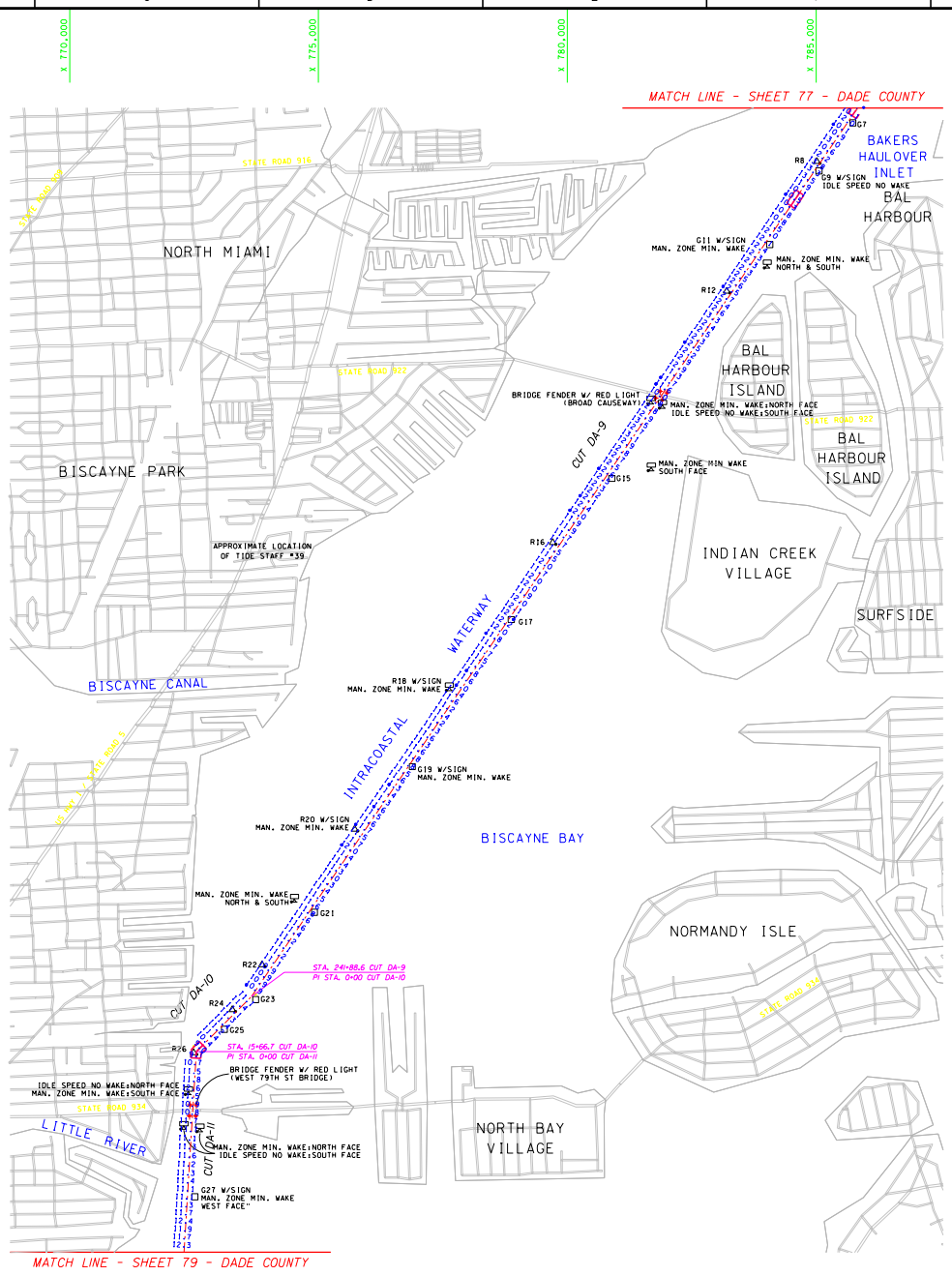
AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 27 (X)	(Y)	LATITUDE NAD 27	LONGITUDE NAD 27
G7	785,138	570,973	25°54'06.99"	080°07'50.87"
R8	785,010	570,197	25°53'59.35"	080°07'58.89"
G9	785,057	570,009	25°53'57.48"	080°07'58.40"
G11	784,068	568,526	25°53'42.86"	080°08'09.33"
R12	783,206	567,589	25°53'33.64"	080°08'18.84"
G15	780,897	563,826	25°52'56.52"	080°08'44.39"
R16	779,706	562,537	25°52'43.83"	080°08'57.52"
G17	778,874	560,989	25°52'28.55"	080°09'06.73"
R18	777,630	559,562	25°52'14.49"	080°09'20.46"
G19	776,886	558,035	25°51'59.42"	080°09'28.71"
R20	775,725	556,774	25°51'47.00"	080°09'41.51"
G21	774,920	555,108	25°51'30.55"	080°09'50.43"
R22	773,863	554,050	25°51'20.14"	080°10'02.08"
G23	773,738	553,353	25°51'13.24"	080°10'03.49"
R24	773,271	553,149	25°51'11.25"	080°10'08.62"
G25	773,109	552,755	25°51'07.36"	080°10'10.42"
R26	772,493	552,286	25°51'02.75"	080°10'17.19"
G27	772,517	549,391	25°50'34.08"	080°10'17.13"

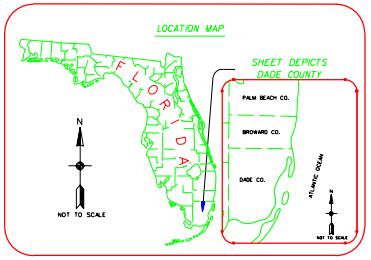
TIDE STAFF TABULATION

TIDE STAFF DESIGNATION	REFERENCE MONUMENT DESCRIPTION	EL FEET (NGVD)
TIDE STAFF NO. 39	USC&GS "J 317 1970"	4.70
	USC&GS "K 317 1970"	5.11

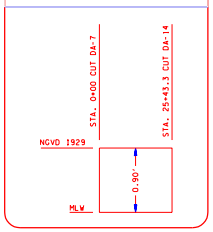
SHEET INDEX 3







RELATIONSHIP BETWEEN NGVD 1929 AND MEAN LOW WATER



SURVEY LEGEND

	TIDE STAFF
	FLOATING BUOY
	INFORMATION SIGN
	BRIDGE FENDER
	RED NAVIGATIONAL AID
	GREEN NAVIGATIONAL AID
	RED NAVIGATIONAL AID WITH BEACON
	GREEN NAVIGATIONAL AID WITH BEACON

N

1000 500 0 1000 2000FT

SCALE: 1"=1000'

NOTES:
1. REFER TO SURVEY NO. 99-314.
2. SEE SHEET NO. 1 FOR 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

SEA SYSTEMS CORPORATION
2300 NORTHWEST 30TH PLACE
POMPANO BEACH, FLORIDA

Inv. No. DACW17-98-D-0004
Scale AS SHOWN
Designed by
Drawn by S.B.M.
Checked by K.C.J.
Plot scale
Plot date
Dated APRIL, 2000
D.O.FILE NO. 120A-37-989

File name:
Reference files: A314TB3.DGN, DAGEBASE.DGN, DACELL.DGN, A314SH01.DGN, NGS3X3.DGN

RECONNAISSANCE SURVEY OF THE INTRACOASTAL WATERWAY
ST. JOHNS RIVER, JACKSONVILLE TO MIAMI
10-FOOT PROJECT
DADE COUNTY
CUT DA-9 THRU CUT DA-11
PLAN

DRAWING NO.

SHEET 78 OF 91

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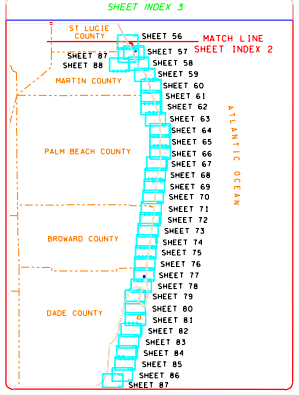
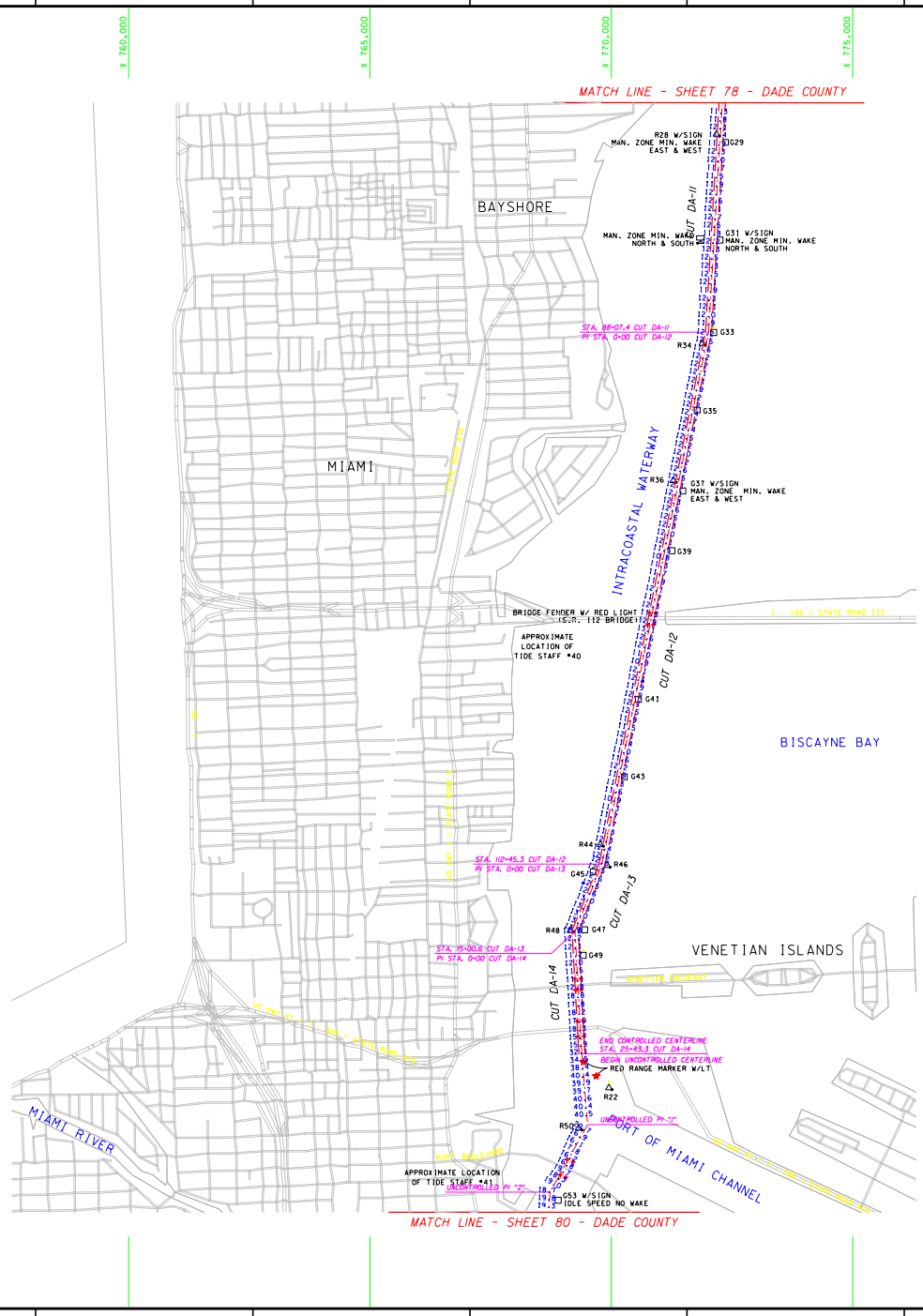
AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 27 (X)	(Y)	LATITUDE NAD 27	LONGITUDE NAD 27
R28	772,176	547,620	25°50'16.56"	080°10'20.99"
G29	772,369	547,453	25°50'14.89"	080°10'18.89"
G31	772,252	545,430	25°49'54.86"	080°10'20.31"
G33	772,123	543,513	25°49'35.88"	080°10'21.85"
R34	771,885	543,284	25°49'33.63"	080°10'24.47"
G35	771,782	541,903	25°49'19.96"	080°10'25.69"
R36	771,281	540,440	25°49'05.50"	080°10'31.27"
G37	771,484	540,228	25°49'03.39"	080°10'29.07"
G39	771,259	538,987	25°48'51.11"	080°10'31.61"
G41	770,561	535,906	25°48'20.63"	080°10'39.46"
G43	770,271	534,300	25°48'04.75"	080°10'42.75"
R44	769,771	532,897	25°47'50.88"	080°10'48.31"
G45	769,913	532,463	25°47'46.57"	080°10'46.79"
R46	769,625	532,332	25°47'45.29"	080°10'49.95"
G47	769,451	531,130	25°47'33.40"	080°10'51.93"
R48	769,159	531,122	25°47'33.34"	080°10'55.13"
G49	769,417	530,604	25°47'28.19"	080°10'52.34"
R22	769,954	527,851	25°47'00.89"	080°10'46.66"
R50	769,322	527,018	25°46'52.68"	080°10'53.62"
G53	768,902	525,525	25°46'37.92"	080°10'58.32"

TIDE STAFF TABULATION

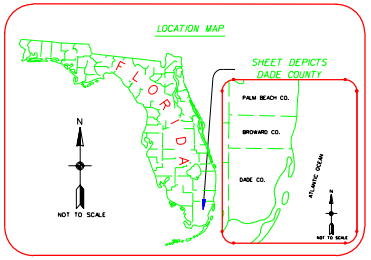
TIDE STAFF DESIGNATION	REFERENCE MONUMENT DESCRIPTION	EL FEET (NGVD)
TIDE STAFF NO. 40	COE "IWDA 56 1963 JACKSONVILLE"	4.06
	DOT "D-140"	10.66
TIDE STAFF NO. 41	COE "MH16 1962 JAX FLA"	5.70
	COE "MH16 R.M.1 1962 JAX FLA"	5.66

SHEET INDEX 3

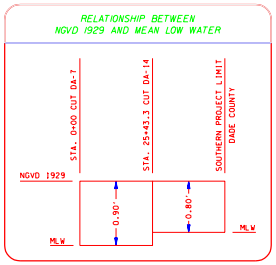




LOCATION MAP



RELATIONSHIP BETWEEN NGVD 1929 AND MEAN LOW WATER



SURVEY LEGEND

	TIDE STAFF
	FLOATING BUOY
	INFORMATION SIGN
	BRIDGE FENDER
	RED NAVIGATIONAL AID
	GREEN NAVIGATIONAL AID
	RED NAVIGATIONAL AID WITH BEACON
	GREEN NAVIGATIONAL AID WITH BEACON

N

1000 500 0 1000 2000FT

SCALE: 1"=1000'

NOTES:
1. REFER TO SURVEY NO. 99-314.
2. SEE SHEET NO. 1 FOR 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

SEA SYSTEMS CORPORATION
2300 NORTHWEST 30TH PLACE
POMPANO BEACH, FLORIDA

Dr. No. DACW17-98-D-0004
Scale: AS SHOWN
Designed by: Plot scale:
Drawn by: S.B.M. Checked by: K.C.J. Plot center:
Dated: APRIL, 2000
D.O. FILE NO. 120A-37-989

File name: CUT11.DGN
Reference files: A314B3.DGN, DAGEBASE.DGN, DAGECL.DGN, ALL-DADE.DGN, NGS3X3.DGN

RECONNAISSANCE SURVEY OF THE
INTRACOASTAL WATERWAY
ST. JOHNS RIVER, JACKSONVILLE TO MIAMI
7 & 10-FOOT PROJECT
DADE COUNTY
CUT DA-11 THRU UNCONTROLLED PI "02"
PLAN

DRAWING NO.

SHEET 79 OF 91

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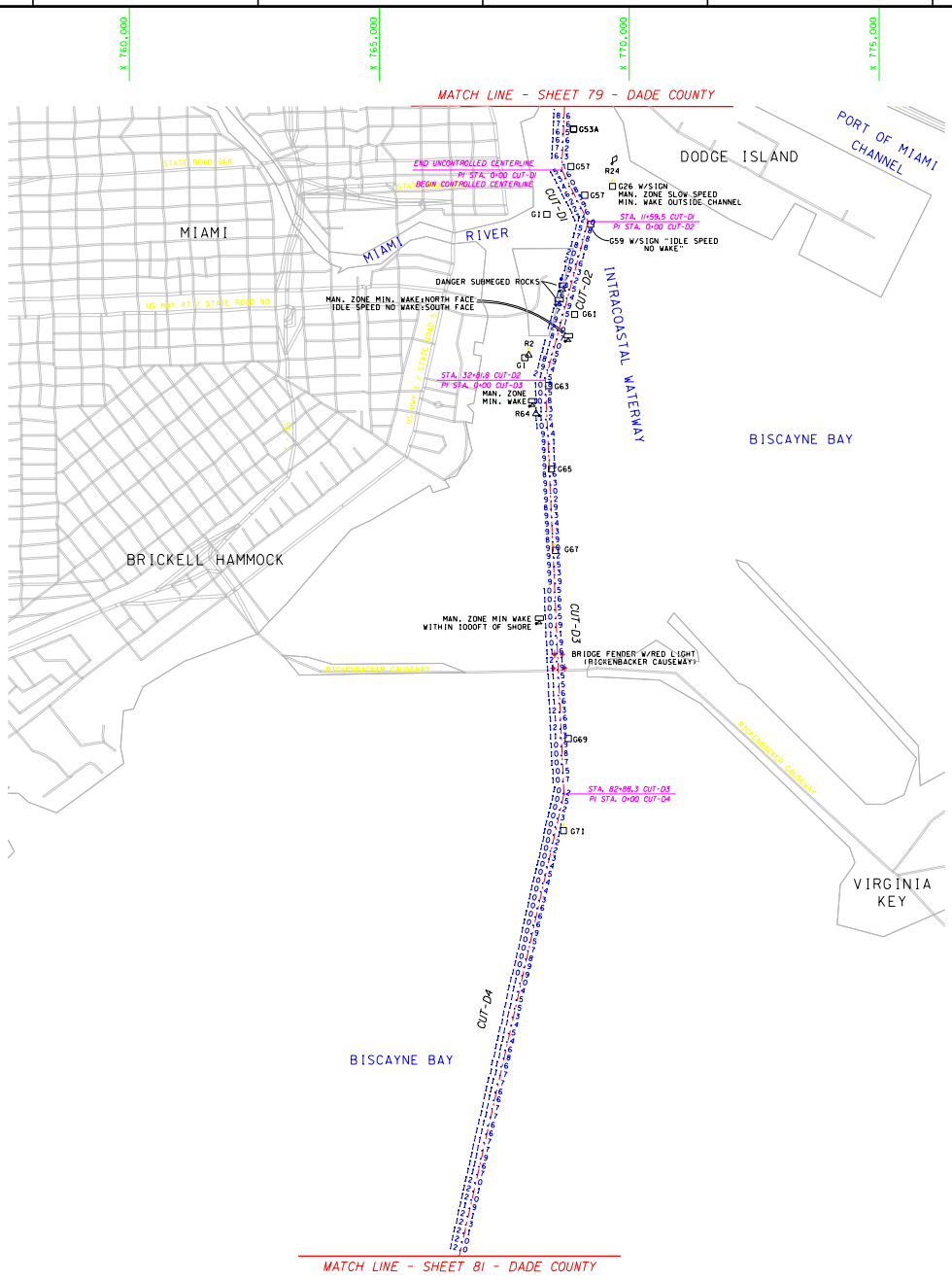
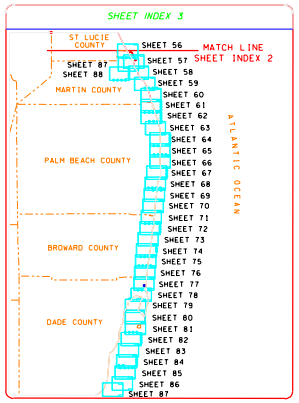
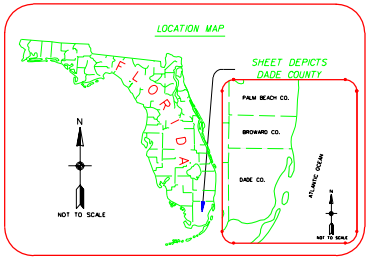
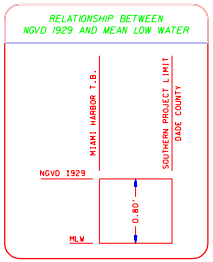


AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 27 (X)	(Y)	LATITUDE NAD 27	LONGITUDE NAD 27
G53A	768,885	524,821	25°46'30.95"	080°10'58.55"
R24	769,657	524,131	25°46'24.07"	080°10'50.15"
G55	768,833	524,069	25°46'23.50"	080°10'59.17"
G25	769,669	523,677	25°46'19.57"	080°10'50.05"
G57	769,109	523,500	25°46'17.85"	080°10'56.19"
G1	768,353	523,115	25°46'14.08"	080°11'04.49"
G59	769,227	522,919	25°46'12.09"	080°10'54.94"
G61	768,909	521,112	25°45'54.21"	080°10'58.54"
R2	767,988	520,303	25°45'46.25"	080°11'08.67"
G1	767,912	520,248	25°45'45.71"	080°11'09.51"
G63	768,389	519,691	25°45'40.17"	080°11'04.32"
R64	768,132	519,255	25°45'35.87"	080°11'07.17"
G65	768,441	518,019	25°45'23.60"	080°11'03.87"
G67	768,522	516,394	25°45'07.51"	080°11'03.09"
G69	768,783	512,629	25°44'30.19"	080°11'00.49"
G71	768,687	510,785	25°44'11.94"	080°11'01.67"







SURVEY LEGEND

	TIDE STAFF
	FLOATING BUOY
	INFORMATION SIGN
	BRIDGE FENDER
	RED NAVIGATIONAL AID
	GREEN NAVIGATIONAL AID
	RED NAVIGATIONAL AID WITH BEACON
	GREEN NAVIGATIONAL AID WITH BEACON

N

1000 500 0 1000 2000FT

SCALE: 1"=1000'

NOTES:
1. REFER TO SURVEY NO. 99-314.
2. SEE SHEET NO. 1 FOR 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

SEA SYSTEMS CORPORATION
2300 NORTHWEST 30TH PLACE
POMPANO BEACH, FLORIDA

Inv. No. DACW17-98-D-0004
Scale: AS SHOWN
Designed by: S.B.M.
Drawn by: S.B.M.
Checked by: K.C.J.
Plot scale:
Plot date:
Dated: APRIL, 2000
D.O.FILE NO. 120A-37-989

File name: A314SH80.DGN
Reference files: A314TB3.DGN, DAGEBASE.DGN, DACELL.DGN, A314SH00.DGN, NGS13.DGN

RECONNAISSANCE SURVEY OF THE INTRACOASTAL WATERWAY
MIAMI TO KEY WEST
7-FOOT PROJECT
DADE COUNTY
UNCONTROLLED THROUGH CUT-D5
PLAN

DRAWING NO.

SHEET 80 OF 91

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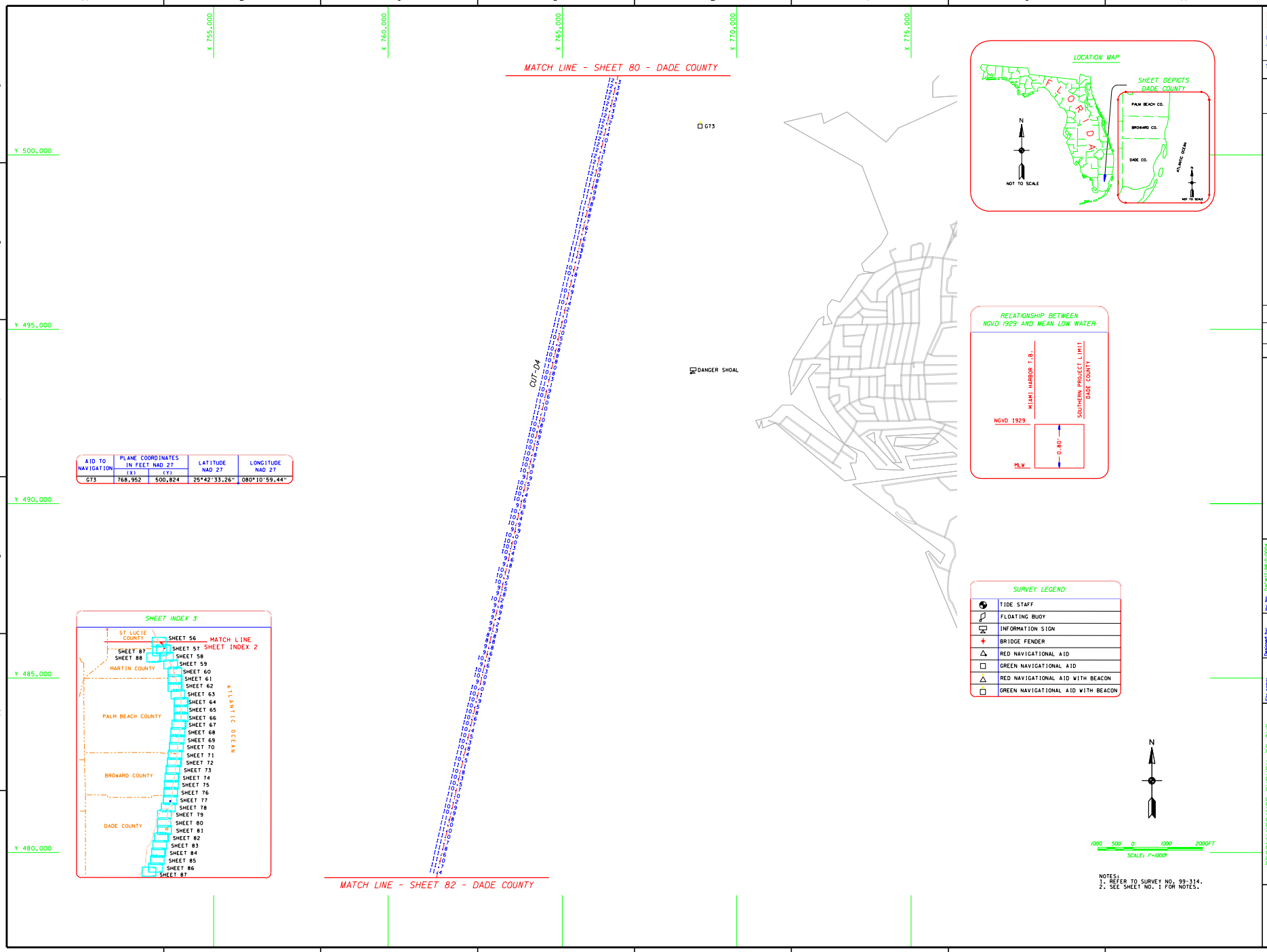

AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 27 (X)	(Y)	LATITUDE NAD 27	LONGITUDE NAD 27
G73	768,952	500,824	25°42'33.26"	080°10'59.44"

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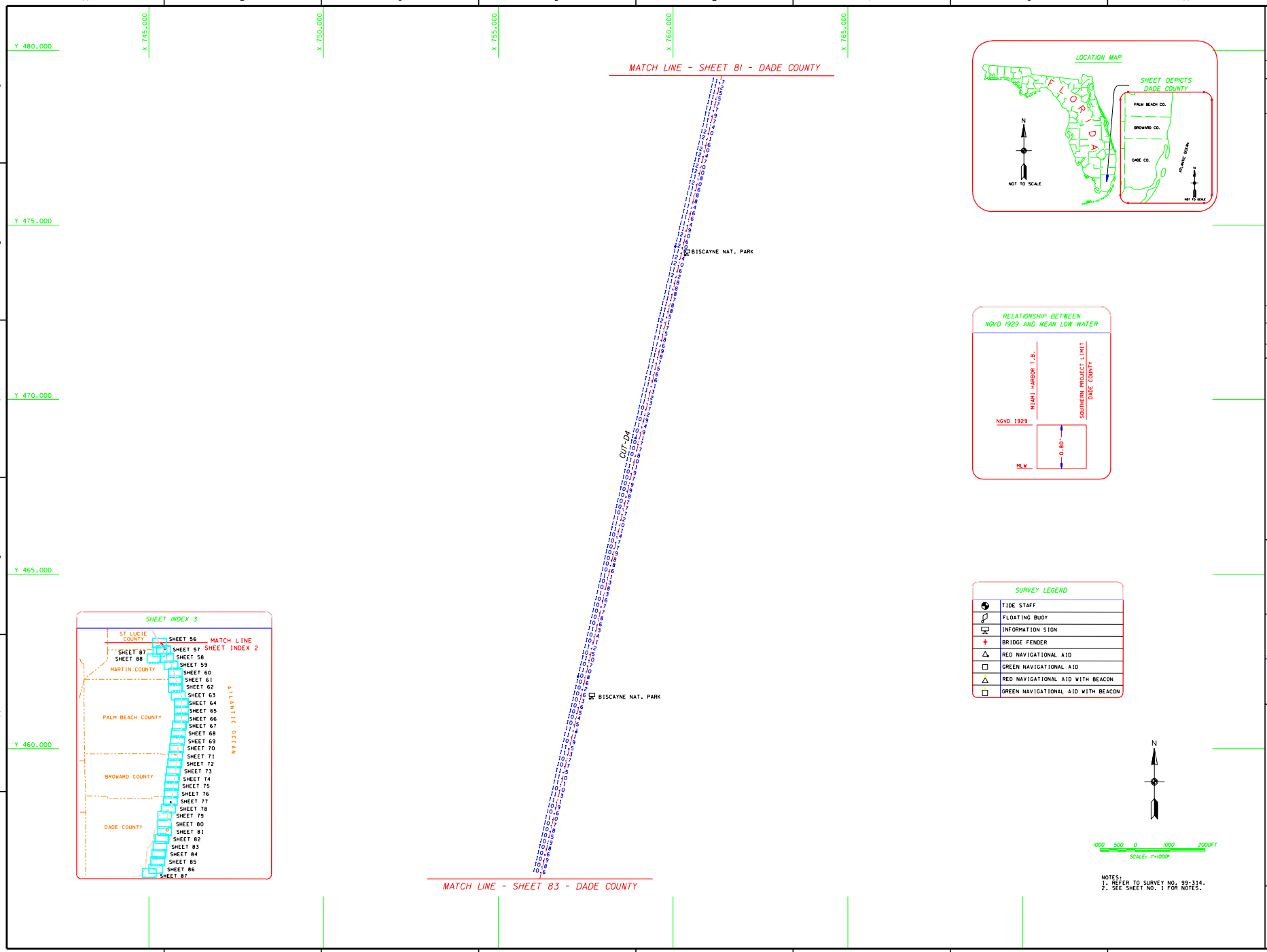

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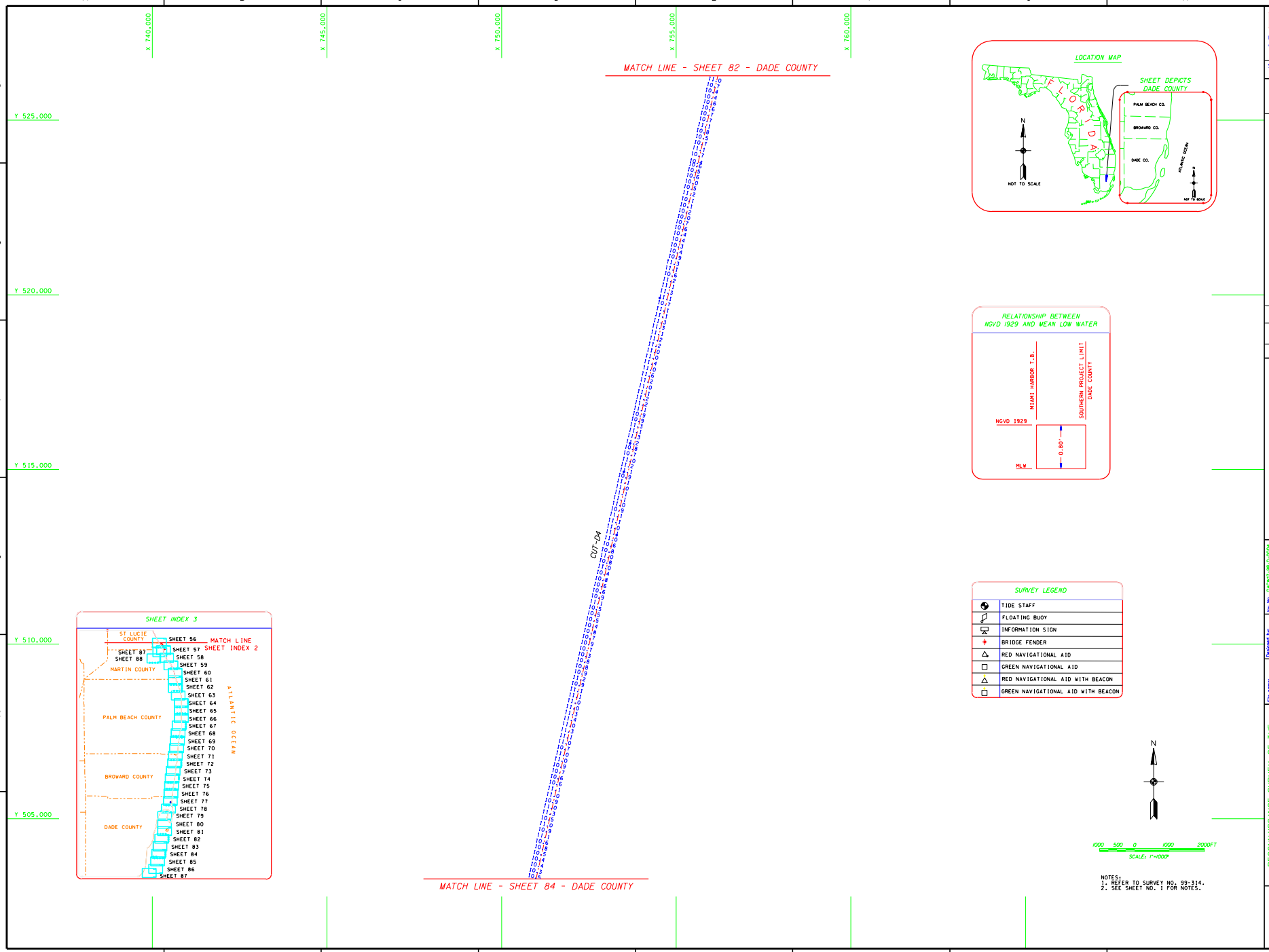

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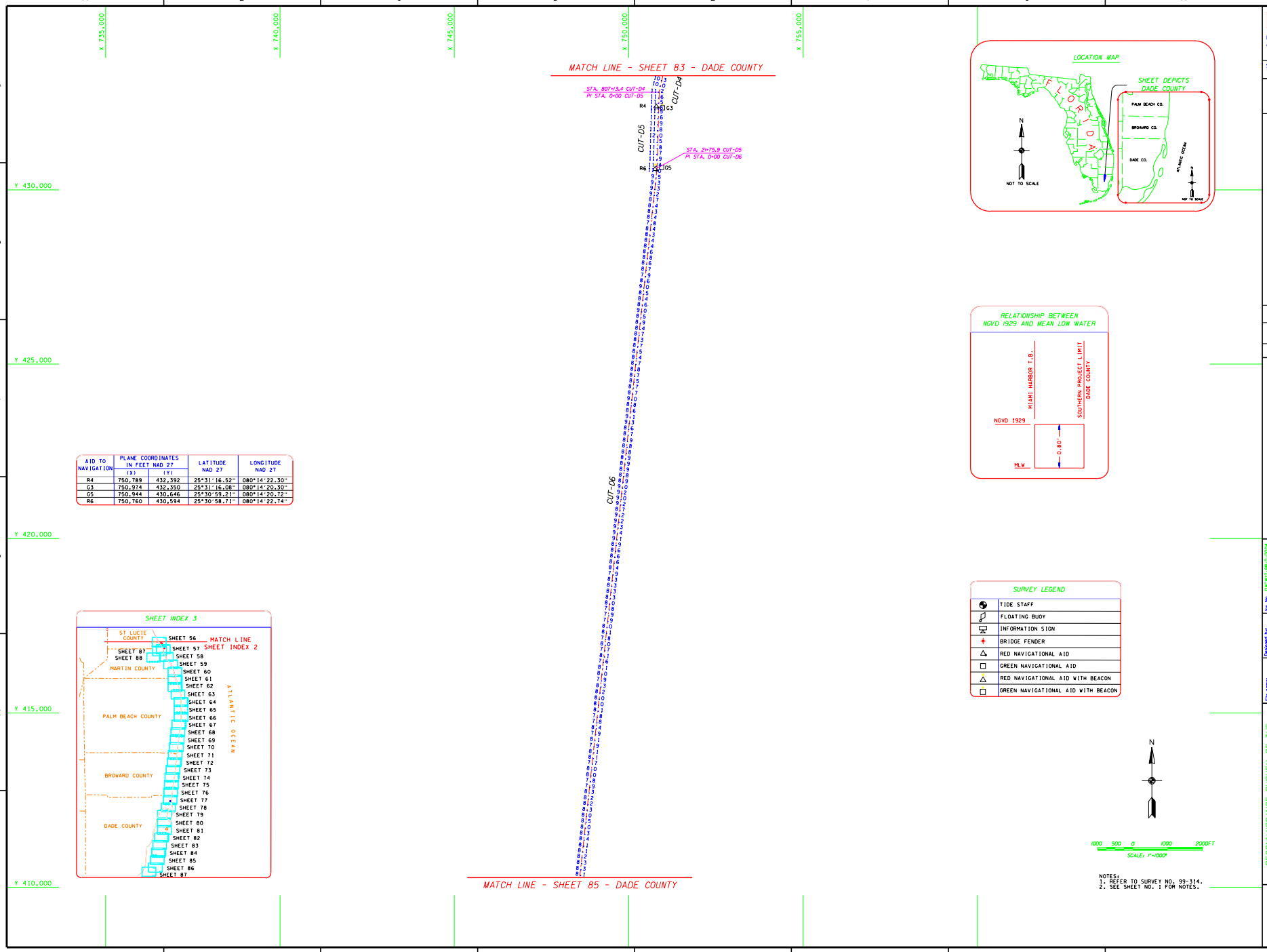

AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 27 (X)	(Y)	LATITUDE NAD 27	LONGITUDE NAD 27
R4	750,789	432,392	25°31'16.52"	080°14'22.30"
G3	750,974	432,350	25°31'16.08"	080°14'20.30"
G5	750,944	430,646	25°30'59.21"	080°14'20.72"
R6	750,760	430,594	25°30'58.71"	080°14'22.74"

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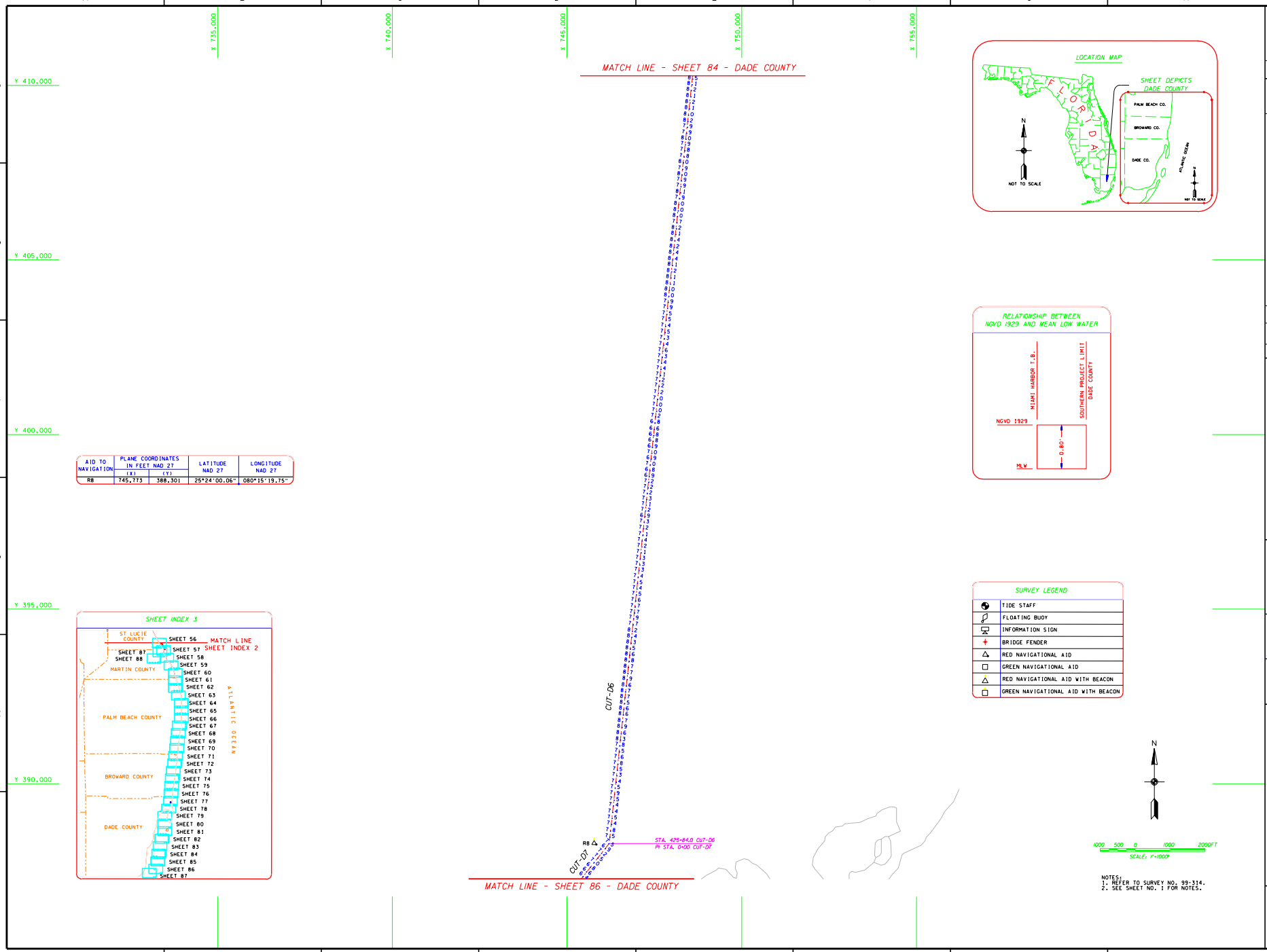

AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 27 (X)	(Y)	LATITUDE NAD 27	LONGITUDE NAD 27
R8	745,773	388,301	25°24'00.06"	080°15'19.75"

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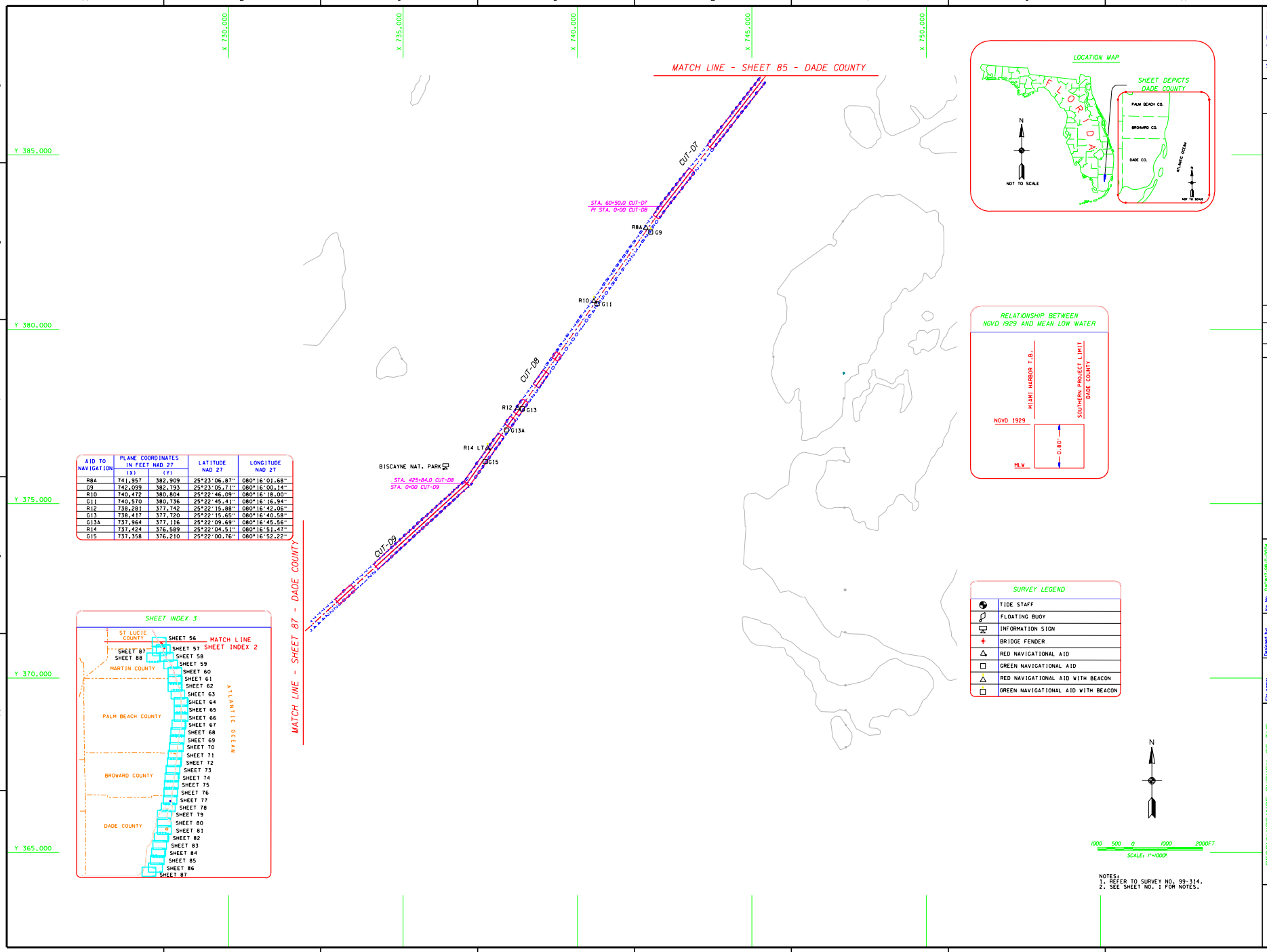

AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 27 (X)	(Y)	LATITUDE NAD 27	LONGITUDE NAD 27
R8A	741,957	382,909	25°23'06.87"	080°16'01.68"
G9	742,099	382,793	25°23'05.71"	080°16'00.14"
R10	740,472	380,804	25°22'46.09"	080°16'18.00"
G11	740,570	380,736	25°22'45.41"	080°16'16.94"
R12	738,281	377,742	25°22'15.88"	080°16'42.06"
G13	738,417	377,720	25°22'15.65"	080°16'40.58"
G13A	737,964	377,116	25°22'09.69"	080°16'45.56"
R14	737,424	376,589	25°22'04.51"	080°16'51.47"
G15	737,358	376,210	25°22'00.76"	080°16'52.22"

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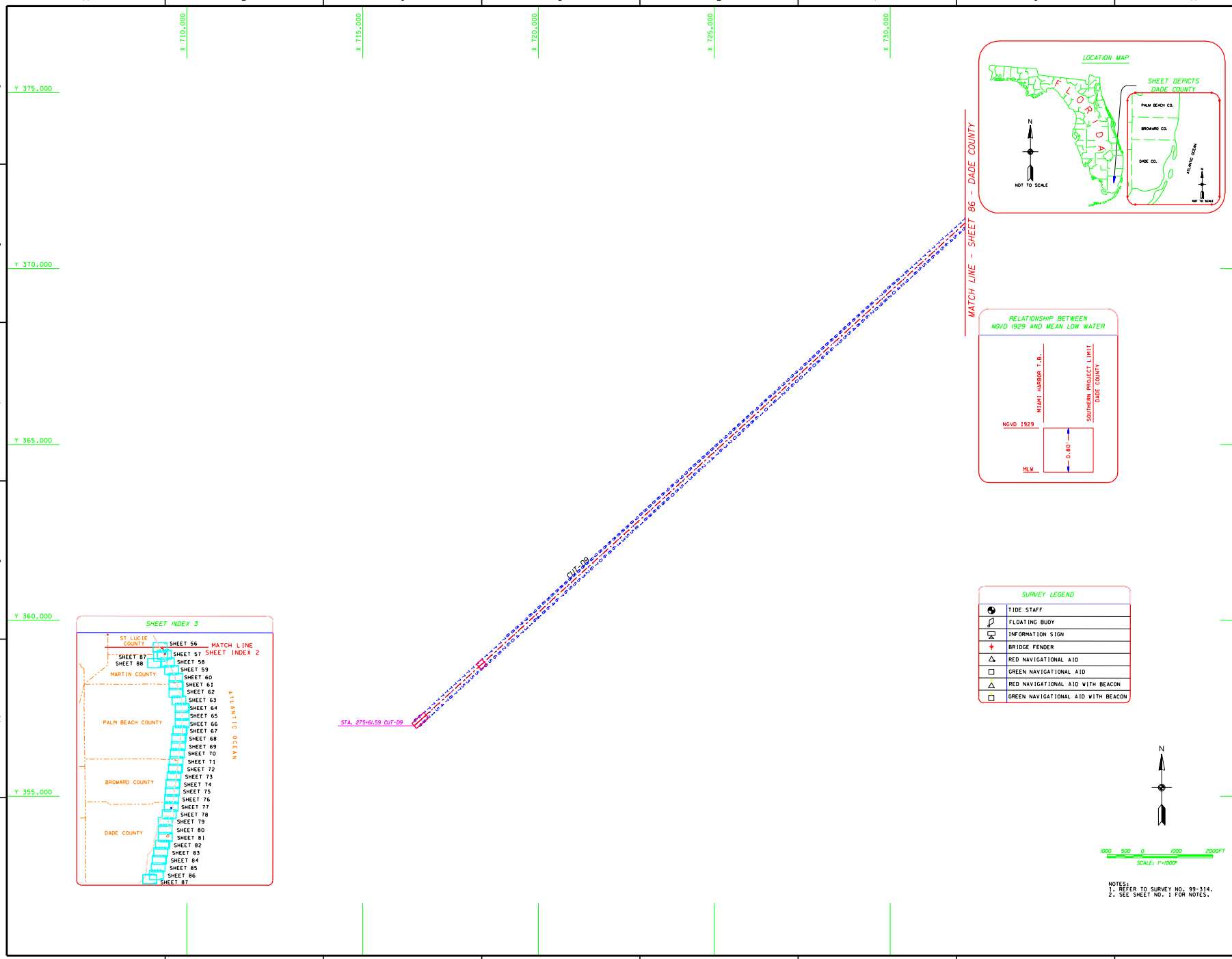

NOTES:
1. REFER TO SURVEY NO. 99-314.
2. SEE SHEET NO. 1 FOR NOTES.

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

SEA SYSTEMS CORPORATION
2300 NORTHWEST 30TH PLACE
POMPANO BEACH, FLORIDA

Designed by: | Dwn by: S.B.M. | Ckd by: K.C.J. | Inv. No. DACW17-98-D-0004 | Dated: | Scale: AS SHOWN | Plot date: | Plot scale:

Dated: APRIL, 2000
D.O.FILE NO. 120A-37-989

File name: A314SH78.DGN
Reference files: A314TB4.DGN DADEBASE.DGN DADECL.DGN A314SDG.DGN INDEX3.DGN

RECONNAISSANCE SURVEY OF THE INTRACOASTAL WATERWAY
MIAMI TO KEY WEST
7-FOOT PROJECT
DADE COUNTY
CUT-D9
PLAN

DRAWING NO.

SHEET 87 OF 91

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