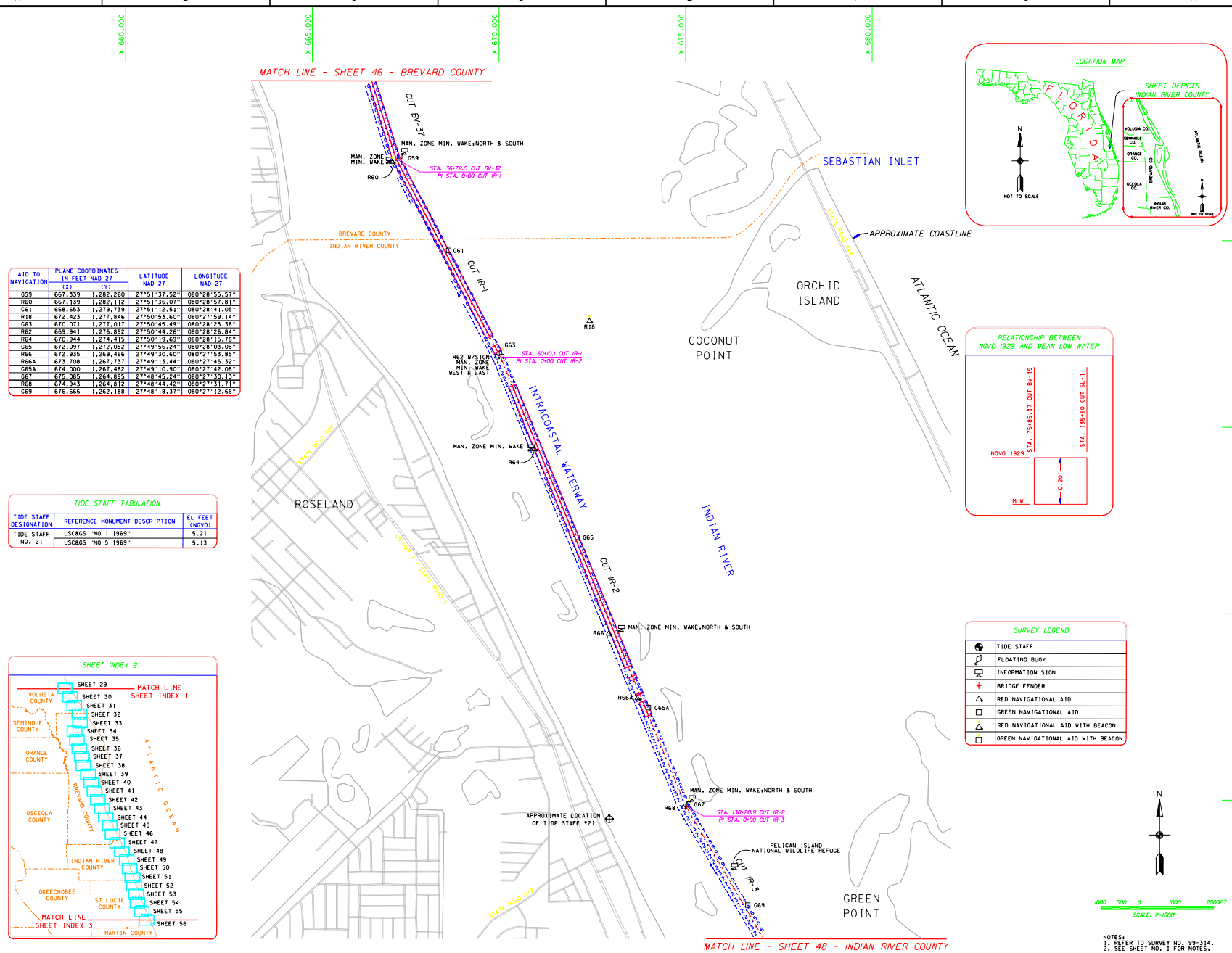

AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 27 (X)	(Y)	LATITUDE NAD 27	LONGITUDE NAD 27
G59	667,339	1,282,260	27°51'37.52"	080°28'55.57"
R60	667,139	1,282,112	27°51'36.07"	080°28'57.81"
G61	668,653	1,279,739	27°51'12.51"	080°28'41.05"
R18	672,423	1,277,846	27°50'53.60"	080°27'59.14"
G63	670,071	1,277,017	27°50'45.49"	080°28'25.38"
R62	669,941	1,276,892	27°50'44.26"	080°28'26.84"
R64	670,944	1,274,415	27°50'19.69"	080°28'15.78"
G65	672,097	1,272,052	27°49'56.24"	080°28'03.05"
R66	672,935	1,269,466	27°49'30.60"	080°27'53.85"
R66A	673,708	1,267,737	27°49'13.44"	080°27'45.32"
G65A	674,000	1,267,482	27°49'10.90"	080°27'42.08"
G67	675,085	1,264,895	27°48'45.24"	080°27'30.13"
R68	674,943	1,264,812	27°48'44.42"	080°27'31.71"
G69	676,666	1,262,188	27°48'18.37"	080°27'12.65"

TIDE STAFF TABULATION

TIDE STAFF DESIGNATION	REFERENCE MONUMENT DESCRIPTION	EL FEET (NGVD)
TIDE STAFF NO. 21	USC&GS "NO 1 1969"	5.21
	USC&GS "NO 5 1969"	5.13

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

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

Proj. No. DACW17-98-D-0004
Scale AS SHOWN
Designed by
Drawn by S.E.M.
Checked by K.C.J.
Plan scale
Profile scale
Dated APRIL, 2000
D.O.F. FILE NO. 8-37-988

File name: BV37IR3.DGN
Reference files: A314BV37.DGN, BREVBASE.DGN, A314SOL.DGN, BREVSOL.DGN, INDEX2.DGN

RECONNAISSANCE SURVEY OF THE INTRACOASTAL WATERWAY
ST. JOHNS RIVER, JACKSONVILLE TO MIAMI
12-FOOT PROJECT
BREVARD AND INDIAN RIVER COUNTY
CUT BV-37 THRU CUT IR-3
PLAN

DRAWING NO.

SHEET 47 OF 91

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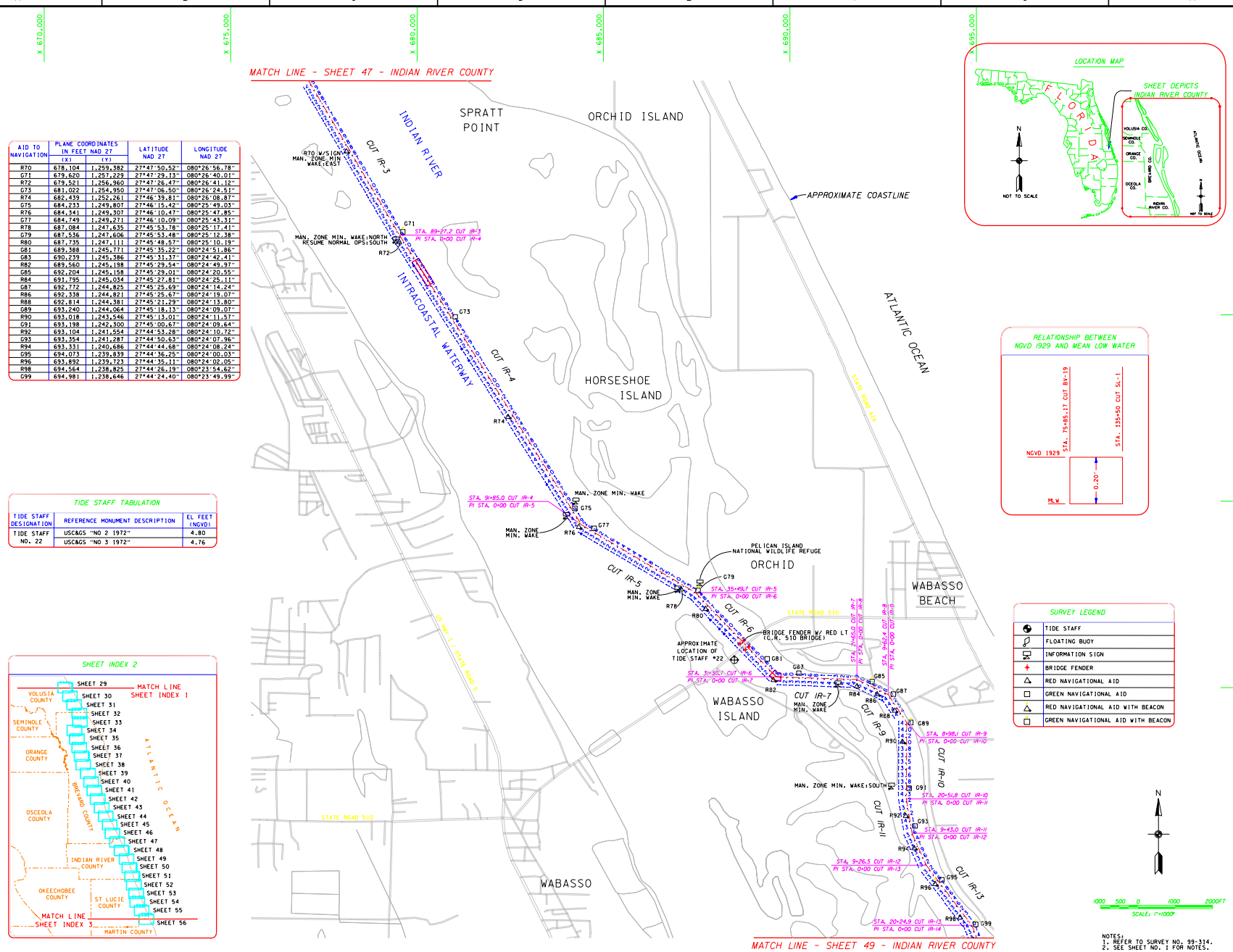

AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 27 (X)	(Y)	LATITUDE NAD 27	LONGITUDE NAD 27
R70	678,104	1,259,382	27°47'50.52"	080°26'56.78"
G71	679,620	1,257,229	27°47'29.13"	080°26'40.01"
R72	679,521	1,256,960	27°47'26.47"	080°26'41.12"
G73	681,022	1,254,950	27°47'06.50"	080°26'24.51"
R74	682,439	1,252,261	27°46'39.81"	080°26'08.87"
G75	684,233	1,249,807	27°46'15.42"	080°25'49.03"
R76	684,341	1,249,307	27°46'10.47"	080°25'47.85"
G77	684,749	1,249,271	27°46'10.09"	080°25'43.31"
R78	687,084	1,247,635	27°45'53.78"	080°25'17.41"
G79	687,536	1,247,606	27°45'53.48"	080°25'12.38"
R80	687,735	1,247,111	27°45'48.57"	080°25'10.19"
G81	689,388	1,245,771	27°45'35.22"	080°24'51.86"
G83	690,239	1,245,386	27°45'31.37"	080°24'42.41"
R82	689,560	1,245,198	27°45'29.54"	080°24'49.97"
G85	692,204	1,245,158	27°45'29.01"	080°24'20.55"
R84	691,795	1,245,034	27°45'27.81"	080°24'25.11"
G87	692,772	1,244,825	27°45'25.69"	080°24'14.24"
R86	692,338	1,244,821	27°45'25.67"	080°24'19.07"
R88	692,814	1,244,381	27°45'21.29"	080°24'13.80"
G89	693,240	1,244,064	27°45'18.13"	080°24'09.07"
R90	693,018	1,243,546	27°45'13.01"	080°24'11.57"
G91	693,198	1,242,300	27°45'00.67"	080°24'09.64"
R92	693,104	1,241,554	27°44'53.28"	080°24'10.72"
G93	693,354	1,241,287	27°44'50.63"	080°24'07.96"
R94	693,331	1,240,686	27°44'44.68"	080°24'08.24"
G95	694,073	1,239,839	27°44'36.25"	080°24'00.03"
R96	693,892	1,239,723	27°44'35.11"	080°24'02.05"
R98	694,564	1,238,825	27°44'26.19"	080°23'54.62"
G99	694,981	1,238,646	27°44'24.40"	080°23'49.99"

TIDE STAFF TABULATION

TIDE STAFF DESIGNATION	REFERENCE MONUMENT DESCRIPTION	EL FEET (NGVD)
TIDE STAFF NO. 22	USC&GS "NO 2 1972"	4.80
	USC&GS "NO 3 1972"	4.76

SHEET INDEX 2

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

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: CSM
Drawn by: CSM
Traced by: KCC
Checked by: AJM
Quantities by:
Submitted by:
Approved by:
Date: APRIL, 2000
Scale: AS SHOWN
Plot scale:
Plot date:
File name: 314SH48.DGN
Reference files: AJM1B.DGN, BRE1BASE.DGN, AJM-SOL.DGN, BRE1SOL.DGN, INDCL.DGN, INDBASE.DGN, INDEX.DGN
Proj. No. CACM17-98-D-0004
D.O. FILE NO. 8-37-988

RECONNAISSANCE SURVEY OF THE INTRACOASTAL WATERWAY
ST. JOHNS RIVER, JACKSONVILLE TO MIAMI
12-FOOT PROJECT
INDIAN RIVER COUNTY
CUT IR-3 THRU CUT IR-14
PLAN

DRAWING NO.

SHEET 48 OF 91

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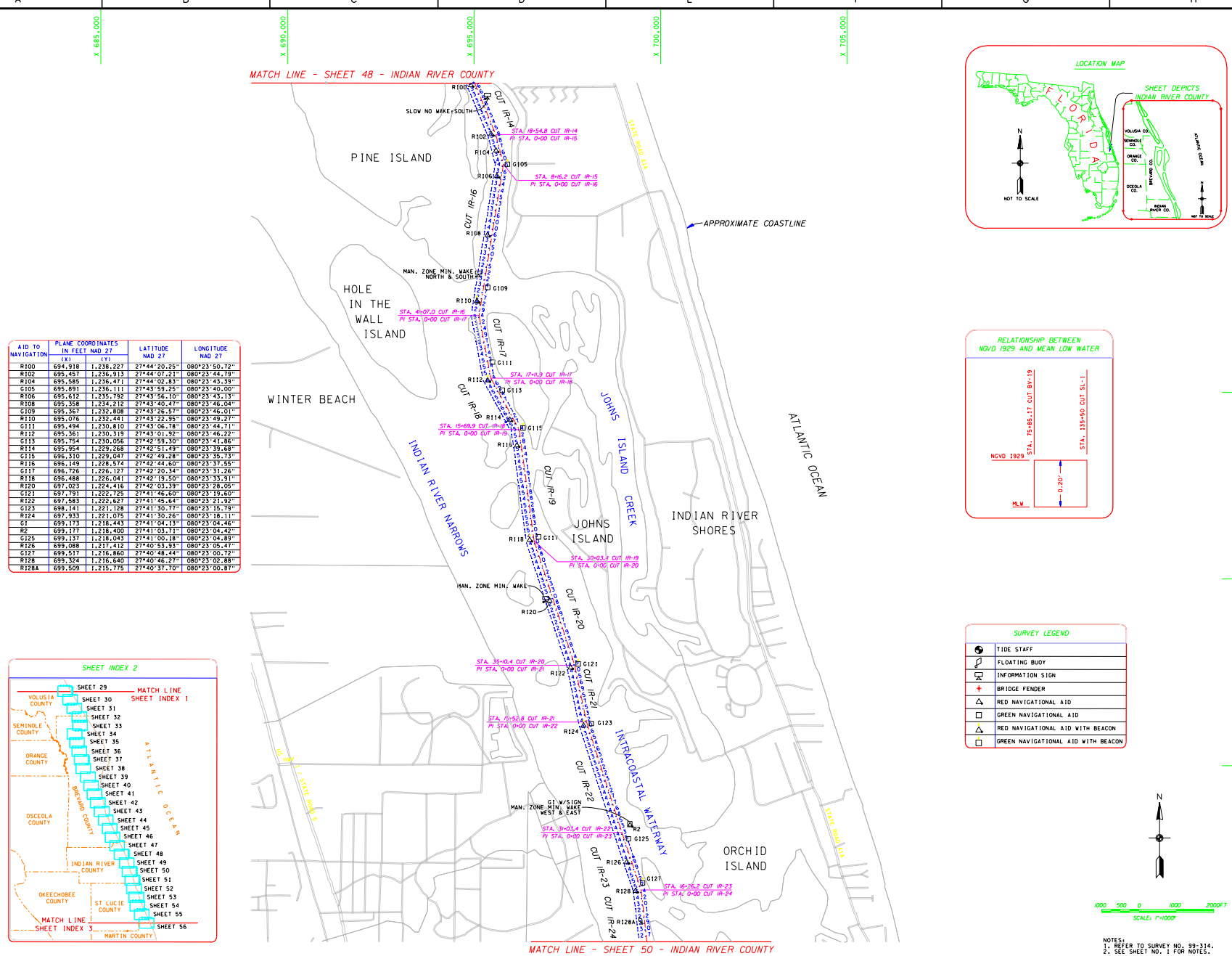

AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 27 (X)	(Y)	LATITUDE NAD 27	LONGITUDE NAD 27
R100	694,918	1,238,227	27°44'20.25"	080°23'50.72"
R102	695,457	1,236,913	27°44'07.21"	080°23'44.79"
R104	695,585	1,236,471	27°44'02.83"	080°23'43.39"
G105	695,891	1,236,111	27°43'59.25"	080°23'40.00"
R106	695,612	1,235,792	27°43'56.10"	080°23'43.13"
R108	695,358	1,234,212	27°43'40.47"	080°23'46.04"
G109	695,367	1,232,808	27°43'26.57"	080°23'46.01"
R110	695,076	1,232,441	27°43'22.95"	080°23'49.27"
G111	695,494	1,230,810	27°43'06.78"	080°23'44.71"
R112	695,361	1,230,319	27°43'01.92"	080°23'46.22"
G113	695,754	1,230,056	27°42'59.30"	080°23'41.86"
R114	695,954	1,229,268	27°42'51.49"	080°23'39.68"
G115	696,310	1,229,047	27°42'49.28"	080°23'35.73"
R116	696,149	1,228,574	27°42'44.60"	080°23'37.55"
G117	696,726	1,226,127	27°42'20.34"	080°23'31.26"
R118	696,488	1,226,041	27°42'19.50"	080°23'33.91"
R120	697,023	1,224,416	27°42'03.39"	080°23'28.05"
G121	697,791	1,222,725	27°41'46.60"	080°23'19.60"
R122	697,583	1,222,627	27°41'45.64"	080°23'21.92"
G123	698,141	1,221,128	27°41'30.77"	080°23'15.79"
R124	697,933	1,221,075	27°41'30.26"	080°23'18.11"
G1	699,173	1,218,443	27°41'04.13"	080°23'04.46"
R2	699,177	1,218,400	27°41'03.71"	080°23'04.42"
G125	699,137	1,218,043	27°41'00.18"	080°23'04.89"
R126	699,088	1,217,412	27°40'53.93"	080°23'05.47"
G127	699,517	1,216,860	27°40'48.44"	080°23'00.72"
R128	699,324	1,216,640	27°40'46.27"	080°23'02.88"
R128A	699,509	1,215,775	27°40'37.70"	080°23'00.87"

SHEET INDEX 2

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

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

Proj. No. CACW17-98-D-0004
Scale AS SHOWN
Scale Factor
Plot date

Designed by
Drawn by E.S.M.
Checked by K.C.J.
Dated APRIL, 2000

File name: 8-37-988
Reference files: A314B1SDN, A314B2SDN, A314C1SDN, A314C2SDN, INDEX2.DGN

D.O.F.ILE NO. 8-37-988

RECONNAISSANCE SURVEY OF THE INTRACOASTAL WATERWAY
ST. JOHNS RIVER, JACKSONVILLE TO MIAMI
12-FOOT PROJECT
INDIAN RIVER COUNTY
CUT IR-14 THRU CUT IR-24
PLAN

DRAWING NO.

SHEET 49 OF 91

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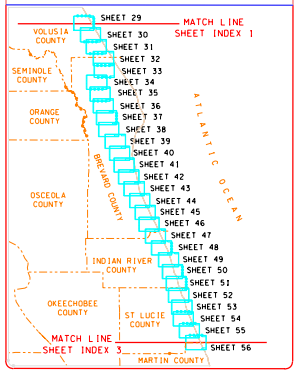
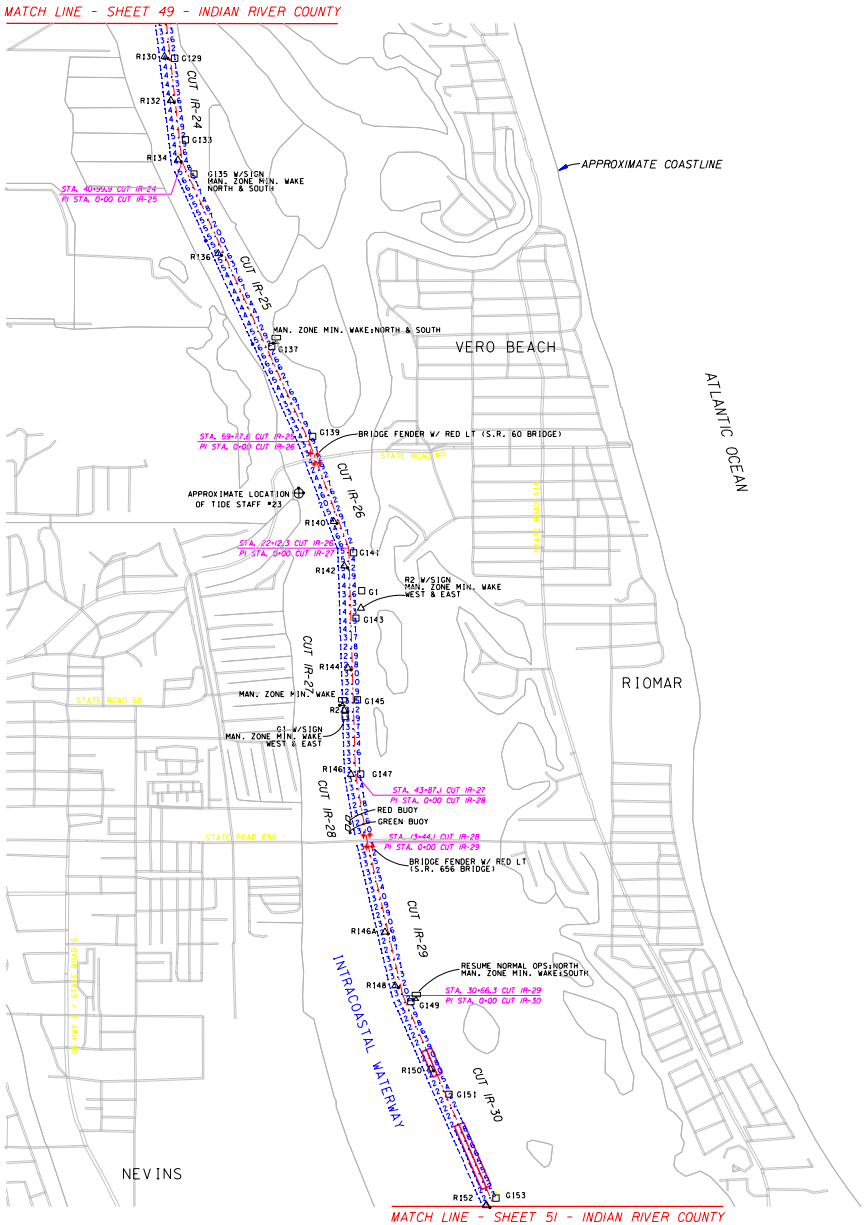
AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 27 (X)	(Y)	LATITUDE NAD 27	LONGITUDE NAD 27
R130	699,592	1,214,638	27°40'26.43"	080°23'00.01"
G129	699,795	1,214,605	27°40'26.10"	080°22'57.76"
R132	699,719	1,213,785	27°40'17.98"	080°22'58.65"
G133	700,001	1,213,019	27°40'10.38"	080°22'55.56"
R134	699,856	1,212,632	27°40'06.56"	080°22'57.19"
G135	700,170	1,212,355	27°40'03.80"	080°22'53.71"
R136	700,637	1,210,806	27°39'48.44"	080°22'48.61"
G137	701,681	1,209,000	27°39'30.50"	080°22'37.10"
G139	702,476	1,207,254	27°39'13.17"	080°22'28.35"
R2	702,545	1,206,291	27°39'03.63"	080°22'27.64"
G1	702,556	1,206,237	27°39'03.10"	080°22'27.52"
R140	702,887	1,205,601	27°38'56.78"	080°22'23.88"
G141	703,270	1,204,991	27°38'50.72"	080°22'19.65"
R142	703,090	1,204,735	27°38'48.20"	080°22'21.67"
G1	703,428	1,204,254	27°38'43.42"	080°22'17.94"
R2	703,415	1,203,917	27°38'40.08"	080°22'18.10"
G143	703,317	1,203,723	27°38'38.16"	080°22'19.20"
R144	703,156	1,202,749	27°38'28.53"	080°22'21.05"
G145	703,348	1,202,134	27°38'22.43"	080°22'18.95"
R2	703,092	1,201,928	27°38'20.40"	080°22'21.81"
G1	703,105	1,201,807	27°38'19.20"	080°22'21.67"
G147	703,411	1,200,688	27°38'08.11"	080°22'18.33"
R146	703,217	1,200,682	27°38'08.06"	080°22'20.49"
R146A	703,880	1,197,615	27°37'37.65"	080°22'13.29"
R148	704,078	1,196,571	27°37'27.30"	080°22'11.15"
G149	704,384	1,196,263	27°37'24.24"	080°22'07.76"
R150	704,761	1,194,954	27°37'11.26"	080°22'03.65"
G151	705,123	1,194,464	27°37'06.39"	080°21'59.65"
G153	706,040	1,192,444	27°36'46.34"	080°21'49.57"
R152	705,850	1,192,305	27°36'44.97"	080°21'51.69"

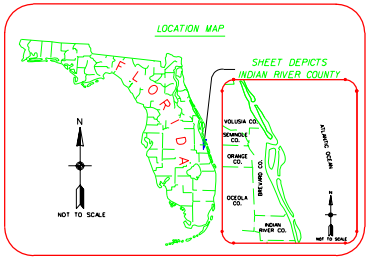
TIDE STAFF TABULATION

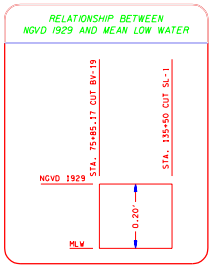
TIDE STAFF DESIGNATION	REFERENCE MONUMENT DESCRIPTION	EL FEET (NGVD)
TIDE STAFF NO. 23	USC&GS "NO 1 1972"	8.05
	USC&GS "NO 2 1972"	7.01

SHEET INDEX 2



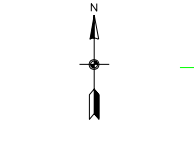






SURVEY LEGEND

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



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

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

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

Proj. No. DACW17-98-D-0004
Scale AS SHOWN
Plot scale
Designed by
Drawn by K.C.J.
Checked by
Dated APRIL, 2000
D.O.FILE NO. 8-37-988

File name: a314SH50.DGN
Reference files: A314TB.DGN, ADBASE.DGN, A314SC.DGN, A314GL.DGN, INDEX2.DGN

RECONNAISSANCE SURVEY OF THE INTRACOASTAL WATERWAY
ST. JOHNS RIVER, JACKSONVILLE TO MIAMI
12-FOOT PROJECT
INDIAN RIVER COUNTY
CUT IR-24 THRU CUT IR-30
PLAN

DRAWING NO.

SHEET 50 OF 91

No.	Symbol	Zone	Description	Approved

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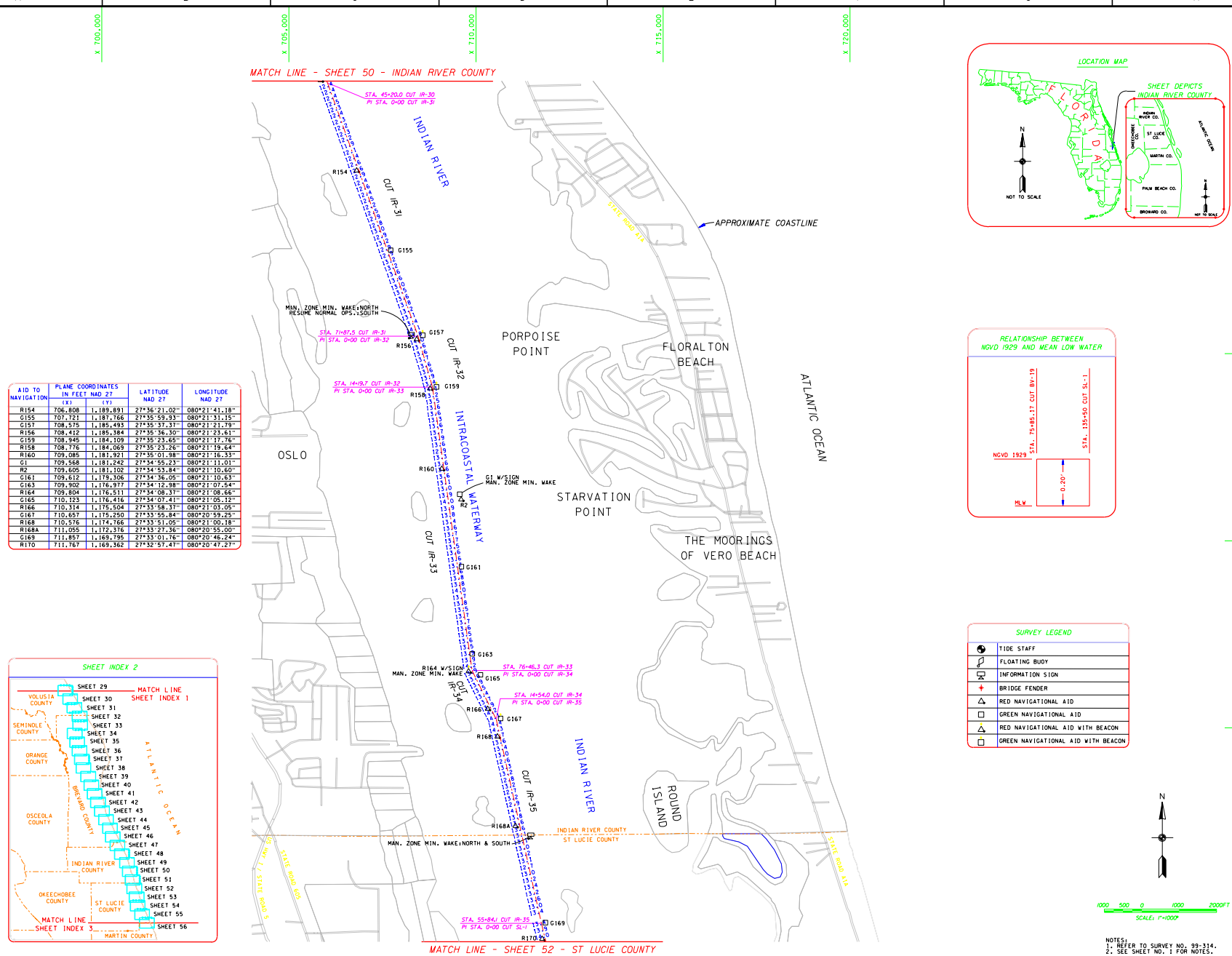

AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 27 (X)	(Y)	LATITUDE NAD 27	LONGITUDE NAD 27
R154	706,808	1,189,891	27°36'21.02"	080°21'41.18"
G155	707,721	1,187,766	27°35'59.93"	080°21'31.15"
G157	708,575	1,185,493	27°35'37.37"	080°21'21.79"
R156	708,412	1,185,384	27°35'36.30"	080°21'23.61"
G159	708,945	1,184,109	27°35'23.65"	080°21'17.76"
R158	708,776	1,184,069	27°35'23.26"	080°21'19.64"
R160	709,085	1,181,921	27°35'01.98"	080°21'16.33"
G1	709,568	1,181,242	27°34'55.23"	080°21'11.01"
R2	709,605	1,181,102	27°34'53.84"	080°21'10.60"
G161	709,612	1,179,306	27°34'36.05"	080°21'10.63"
G163	709,902	1,176,977	27°34'12.98"	080°21'07.54"
R164	709,804	1,176,511	27°34'08.37"	080°21'08.66"
G165	710,123	1,176,416	27°34'07.41"	080°21'05.12"
R166	710,314	1,175,504	27°33'58.37"	080°21'03.05"
G167	710,657	1,175,250	27°33'55.84"	080°20'59.25"
R168	710,576	1,174,766	27°33'51.05"	080°21'00.18"
R168A	711,055	1,172,376	27°33'27.36"	080°20'55.00"
G169	711,857	1,169,795	27°33'01.76"	080°20'46.24"
R170	711,767	1,169,362	27°32'57.47"	080°20'47.27"

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

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

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

Designed by: [illegible]
Drawn by: S.B.M.
Checked by: K.C.J.
Traced by: [illegible]
Scale: AS SHOWN
Plot scale: [illegible]
Dated: APRIL, 2000
File name: [illegible]
Reference files: A314B1S.DGN, S1LUBASE.DGN, S1LUCEL.DGN, S1MISC.DGN, A314S0C.DGN, INDCL2.DGN
Inv. No. DACW17-98-D-0004
D.O.FILE NO. 8-37-988

RECONNAISSANCE SURVEY OF THE INTRACOASTAL WATERWAY
ST. JOHNS RIVER, JACKSONVILLE TO MIAMI
12-FOOT PROJECT
ST. LUCIE COUNTY
CUT IR-30 THRU CUT SL-1
PLAN

DRAWING NO.

SHEET 51 OF 91

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