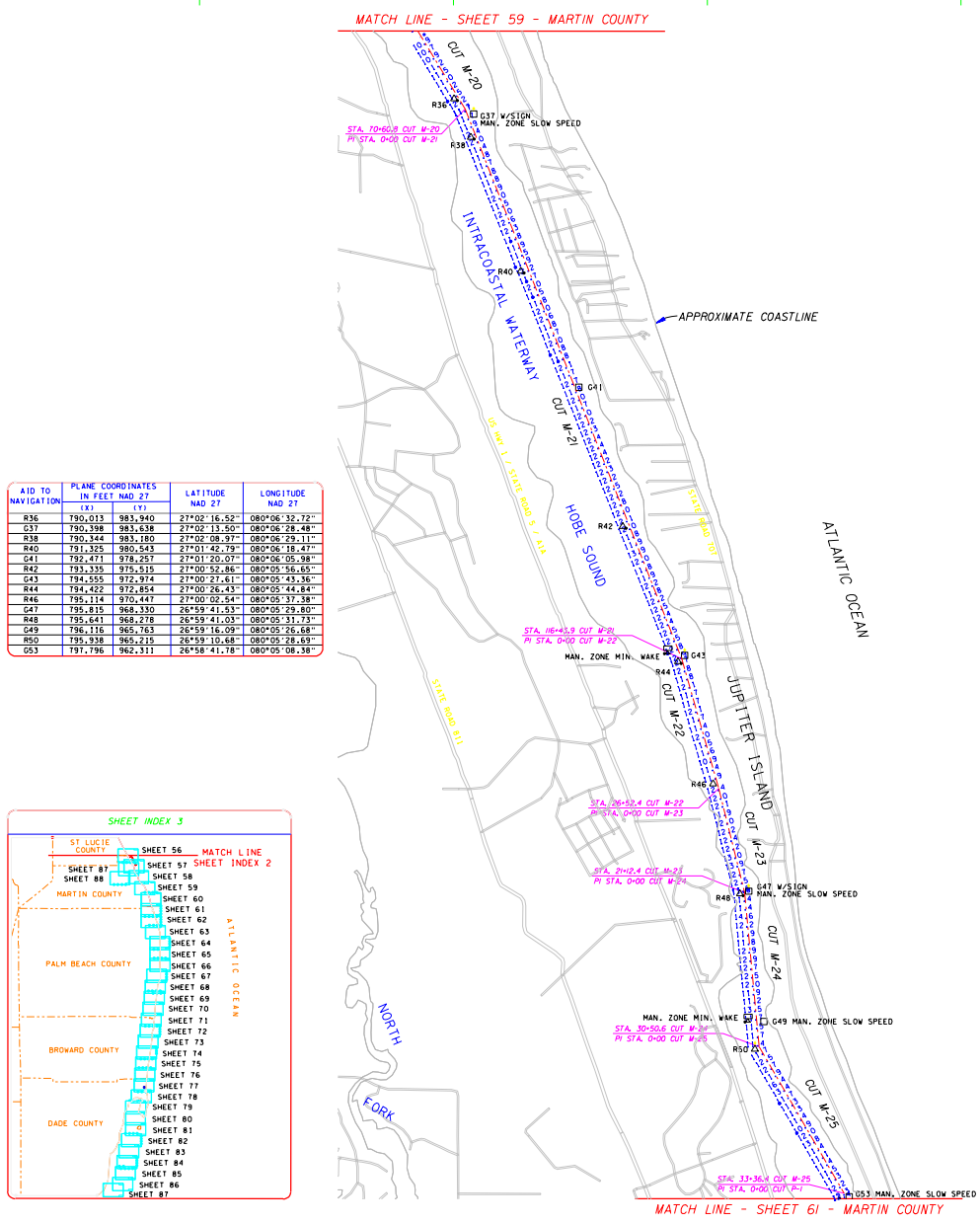
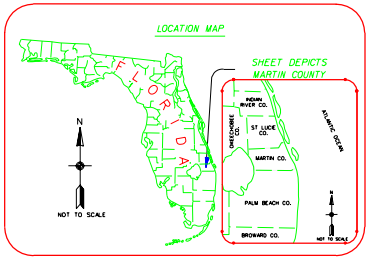
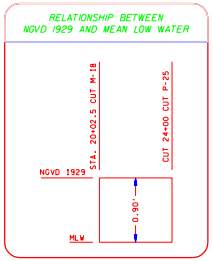


AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 27 (X)	(Y)	LATITUDE NAD 27	LONGITUDE NAD 27
R36	790,013	983,940	27°02'16.52"	080°06'32.72"
G37	790,398	983,638	27°02'13.50"	080°06'28.48"
R38	790,344	983,180	27°02'08.97"	080°06'29.11"
R40	791,325	980,543	27°01'42.79"	080°06'18.47"
G41	792,471	978,257	27°01'20.07"	080°06'05.98"
R42	793,335	975,515	27°00'52.86"	080°05'56.65"
G43	794,555	972,974	27°00'27.61"	080°05'43.36"
R44	794,422	972,854	27°00'26.43"	080°05'44.84"
R46	795,114	970,447	27°00'02.54"	080°05'37.38"
G47	795,815	968,330	26°59'41.53"	080°05'29.80"
R48	795,641	968,278	26°59'41.03"	080°05'31.73"
G49	796,116	965,763	26°59'16.09"	080°05'26.68"
R50	795,938	965,215	26°59'10.68"	080°05'28.69"
O53	797,796	962,311	26°58'41.78"	080°05'08.38"





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
Plot scale
Plot date
Dated APRIL, 2000
D.O.FILE NO. 120A-37-989

Designed by
Dwn by S.B.M.
Ckd by K.C.J.

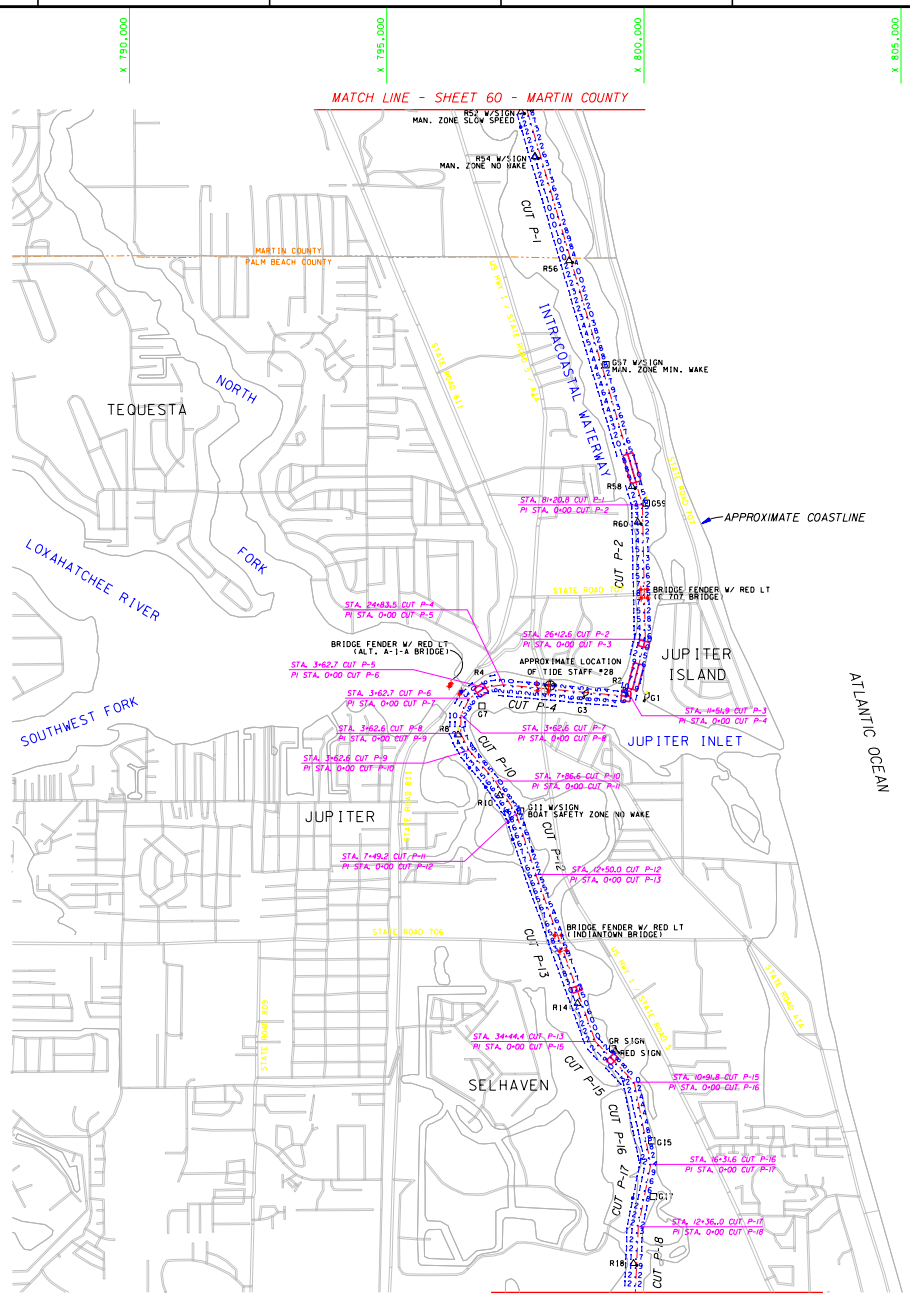
File name: 314SH60.DGN
References files: A314B1.DGN MARTIBAS.DGN MARTCTL.DGN A314SH59.DGN NGS1X3.DGN

RECONNAISSANCE SURVEY OF THE INTRACOASTAL WATERWAY
ST. JOHNS RIVER, JACKSONVILLE TO MIAMI
10-FOOT PROJECT
MARTIN COUNTY
CUT M-20 THRU CUT M-25
PLAN

DRAWING NO.

SHEET 60 OF 91

h:\iww\Dgn\a314SH60.dgn 10/16/00 02:18:11 PM

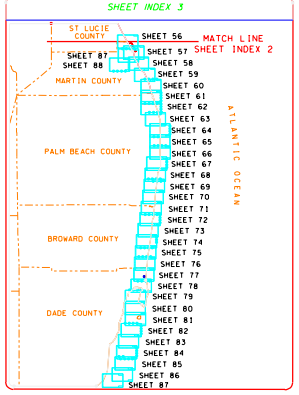


AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 27 (X)	(Y)	LATITUDE NAD 27	LONGITUDE NAD 27
R52	797,611	962,224	26°58'40.94"	080°05'10.44"
R54	797,880	961,357	26°58'32.33"	080°05'07.54"
R56	798,548	959,333	26°58'12.24"	080°05'00.31"
G57	799,261	957,311	26°57'52.16"	080°04'52.60"
R58	799,766	954,942	26°57'28.67"	080°04'47.21"
G59	800,046	954,619	26°57'25.46"	080°04'44.14"
R60	799,878	954,251	26°57'21.82"	080°04'46.02"
R4	796,868	951,111	26°56'50.94"	080°05'19.53"
R2	799,688	950,884	26°56'48.49"	080°04'48.40"
G3	798,823	950,838	26°56'48.09"	080°04'57.95"
G1	800,007	950,777	26°56'47.41"	080°04'44.87"
G7	796,852	950,675	26°56'46.62"	080°05'19.74"
R8	796,390	950,116	26°56'41.12"	080°05'24.89"
R10	797,194	948,934	26°56'29.36"	080°05'16.10"
G11	797,604	948,633	26°56'26.35"	080°05'11.60"
R14	798,711	944,894	26°55'49.24"	080°04'59.66"
G15	800,151	942,222	26°55'22.68"	080°04'43.98"
G17	800,182	941,136	26°55'11.92"	080°04'43.72"
R18	799,796	939,836	26°54'59.08"	080°04'48.09"

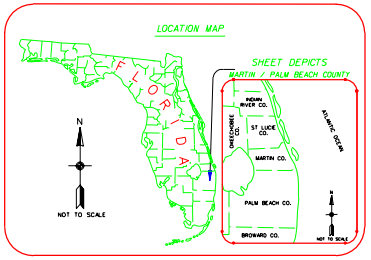
TIDE STAFF TABULATION

TIDE STAFF DESIGNATION	REFERENCE MONUMENT DESCRIPTION	EL FEET (NGVD)
TIDE STAFF NO. 28	COE "IWP 31 1958 JACKSONVILLE"	30.54
	FLORIDA SRD "BM NO 2 ELEV 29.130"	29.13

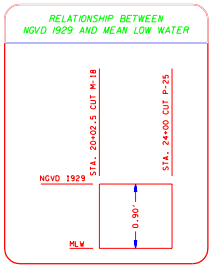
SHEET INDEX 3



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
Scale AS SHOWN
Plot scale:
Plot center:
Dated APRIL, 2000
D.O.FILE NO. 120A-37-989

Designed by
Dwn by S.B.M.
Ckd by K.C.J.

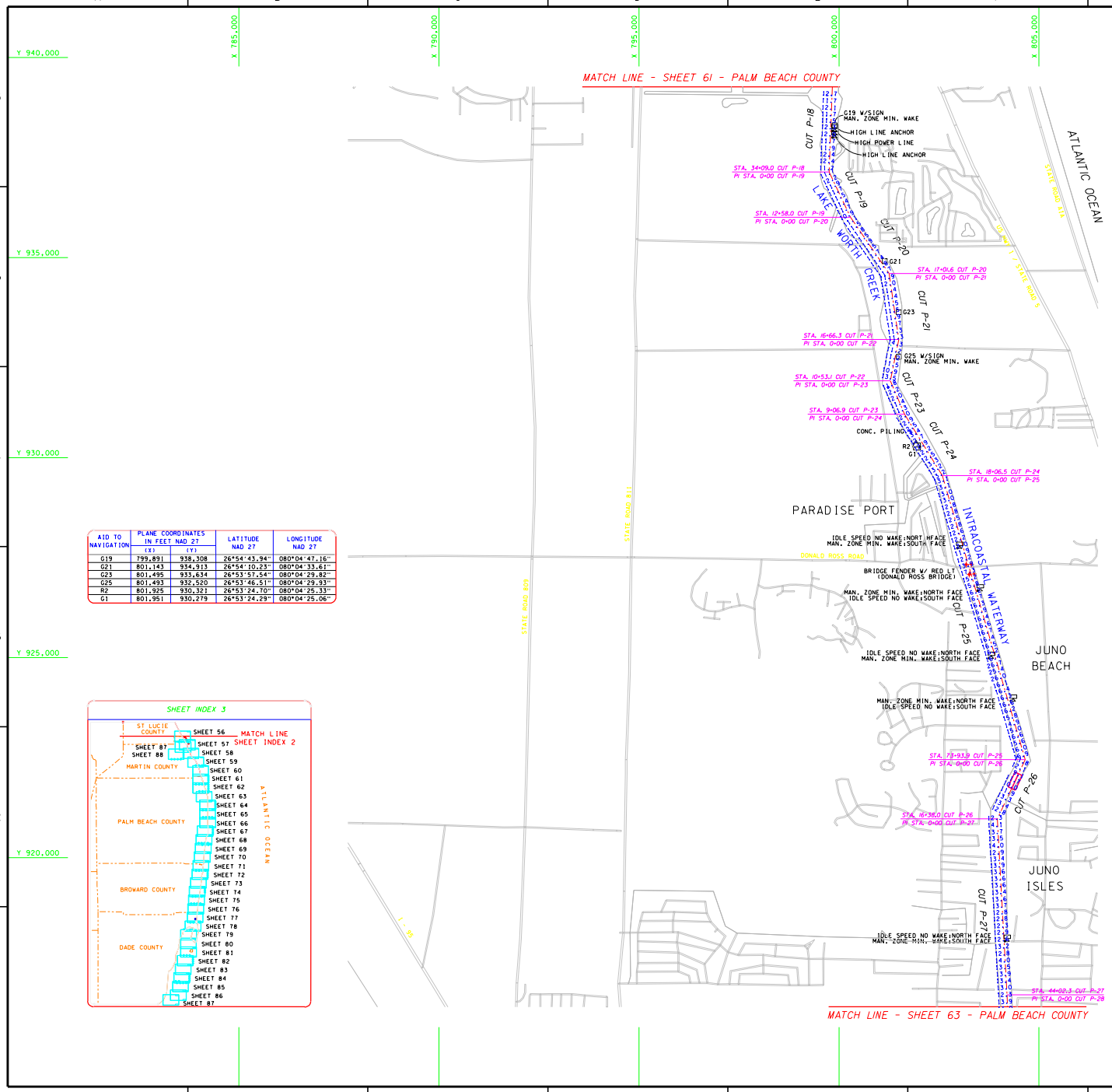
File name:
Reference files: ALTIBLD.DGN, MARTIBLD.DGN, MARTCL.DGN, ALANDBLD.DGN, PALMBLD.DGN, PALMCL.DGN, ABCE3.DGN

RECONNAISSANCE SURVEY OF THE INTRACOASTAL WATERWAY
ST. JOHNS RIVER, JACKSONVILLE TO MIAMI
10-FOOT PROJECT
PALM BEACH AND MARTIN COUNTY
CUT P-1 THRU CUT P-18
PLAN

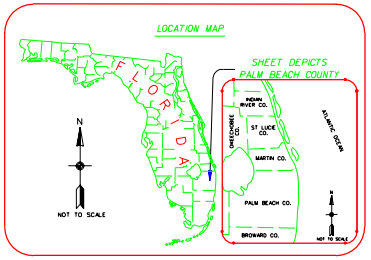
DRAWING NO.

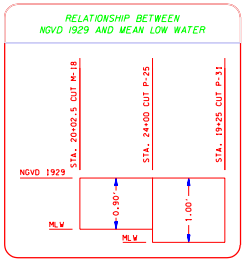
SHEET 61 OF 91

h:\iww\Dgn\a314SH61.dgn 10/16/00 02:36:49 PM



AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 27 (X)	(Y)	LATITUDE NAD 27	LONGITUDE NAD 27
G19	799,891	938,308	26°54'43.94"	080°04'47.16"
G21	801,143	934,913	26°54'10.23"	080°04'33.61"
G23	801,495	933,634	26°53'57.54"	080°04'29.82"
G25	801,493	932,520	26°53'46.51"	080°04'29.93"
R2	801,925	930,321	26°53'24.70"	080°04'25.33"
G1	801,951	930,279	26°53'24.29"	080°04'25.06"





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
Plot scale
Plot date
D.O.FILE NO. 120A-37-989

Designed by
Dwn by S.B.M.
Ckd by K.C.J.
Dated APRIL, 2000

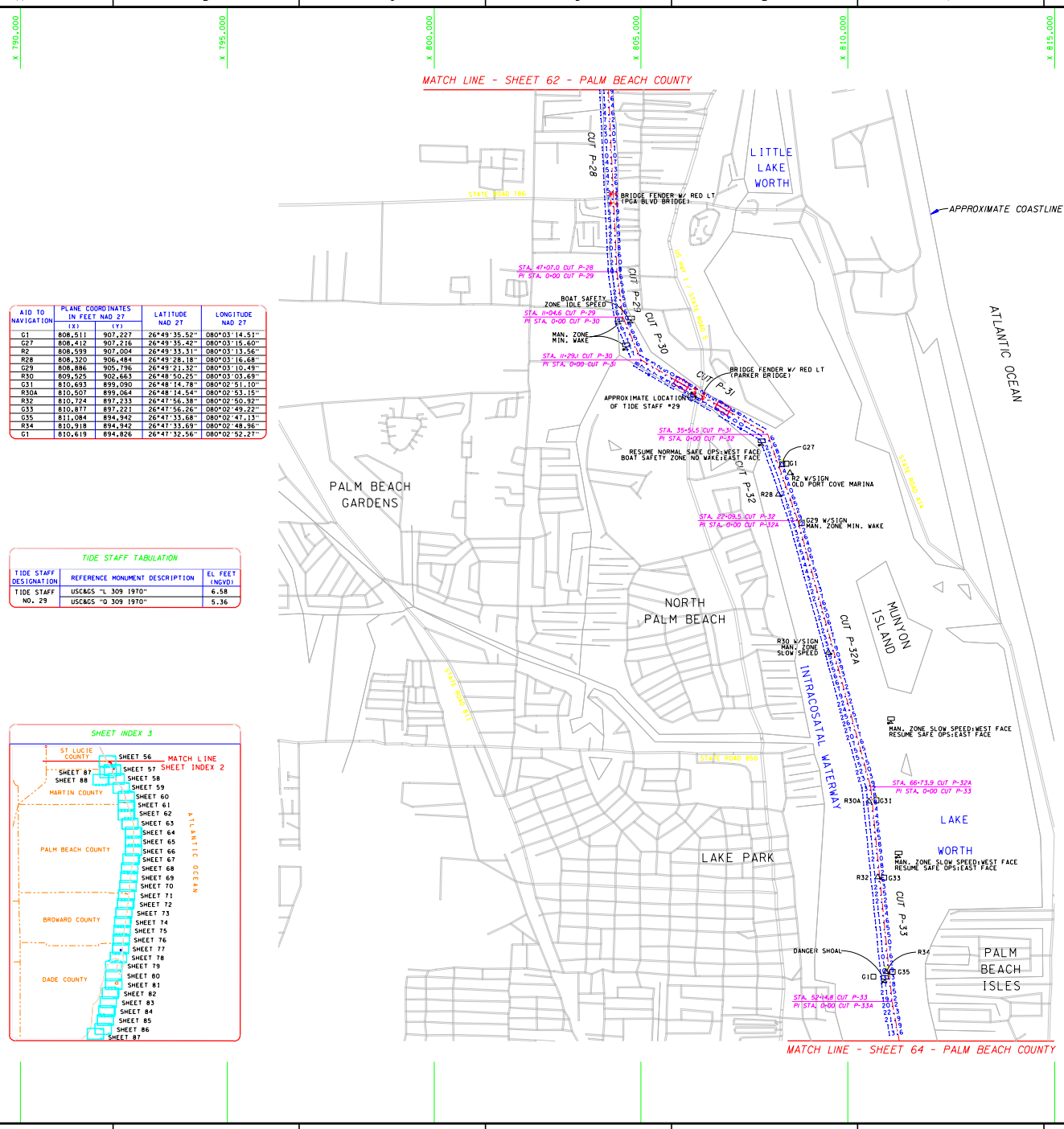
File name: PLAN62.DGN
References: ALTB13.DGN PALMBASE.DGN PALMCL.DGN ALMARK.DGN NCE13.DGN

RECONNAISSANCE SURVEY OF THE
INTRACOASTAL WATERWAY
ST. JOHNS RIVER, JACKSONVILLE TO MIAMI
10-FOOT PROJECT
PALM BEACH COUNTY
CUT P-18 THRU CUT P-28
PLAN

DRAWING NO.

SHEET 62 OF 91

h:\iww\Dgn\a314SH62.dgn 10/16/00 02:36:00 PM



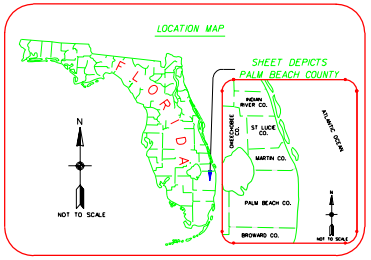
AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 27 (X)	(Y)	LATITUDE NAD 27	LONGITUDE NAD 27
G1	808,511	907,227	26°49'35.52"	080°03'14.51"
G27	808,412	907,216	26°49'35.42"	080°03'15.60"
R2	808,599	907,004	26°49'33.31"	080°03'13.56"
R28	808,320	906,484	26°49'28.18"	080°03'16.68"
G29	808,886	905,796	26°49'21.32"	080°03'10.49"
R30	809,525	902,663	26°48'50.25"	080°03'03.69"
G31	810,693	899,090	26°48'14.78"	080°02'51.10"
R30A	810,507	899,064	26°48'14.54"	080°02'53.15"
R32	810,724	897,233	26°47'56.38"	080°02'50.92"
G33	810,877	897,221	26°47'56.26"	080°02'49.22"
G35	811,084	894,942	26°47'33.68"	080°02'47.13"
R34	810,918	894,942	26°47'33.69"	080°02'48.96"
G1	810,619	894,826	26°47'32.56"	080°02'52.27"

TIDE STAFF TABULATION

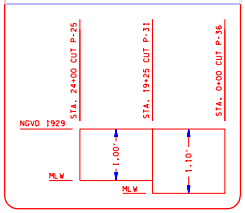
TIDE STAFF DESIGNATION	REFERENCE MONUMENT DESCRIPTION	EL FEET (NGVD)
TIDE STAFF NO. 29	USC&GS "L 309 1970"	6.58
	USC&GS "Q 309 1970"	5.36

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
Scale: AS SHOWN
Plot scale:
Plot center:
Dated APRIL, 2000
D.O.FILE NO. 120A-37-989

Designed by:
Dwn by: S.B.M.
Ckd by: K.C.J.

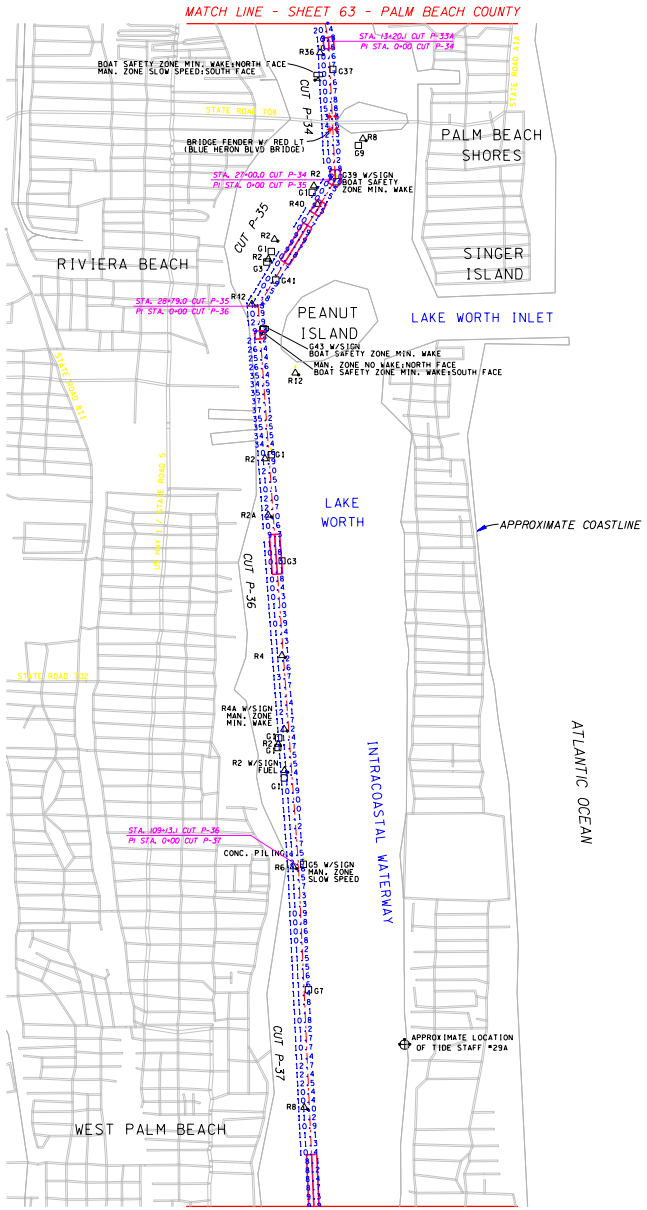
File name: PALMCUT.DGN
Reference files: A314B13.DGN PALMBASE.DGN PALMCL.DGN A314SH62.DGN NGS13.DGN

RECONNAISSANCE SURVEY OF THE INTRACOASTAL WATERWAY
ST. JOHNS RIVER, JACKSONVILLE TO MIAMI
10-FOOT PROJECT
PALM BEACH COUNTY
CUT P-28 THRU CUT P-33A
PLAN

DRAWING NO.

SHEET 63 OF 91

h:\iww\Dgn\a314SH63.dgn 10/16/00 02:35:17 PM

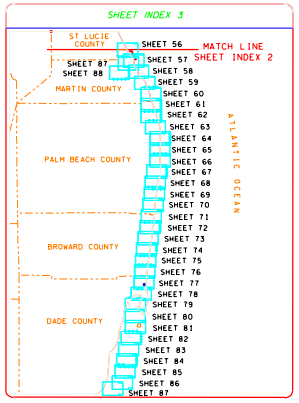


AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 27 (X)	(Y)	LATITUDE NAD 27	LONGITUDE NAD 27
R36	811,140	892,703	26°47'11.50"	080°02'46.70"
G37	811,390	892,376	26°47'08.24"	080°02'43.97"
R8	811,973	891,030	26°46'54.87"	080°02'37.64"
G9	811,883	890,900	26°46'53.59"	080°02'38.64"
G39	811,462	890,195	26°46'46.64"	080°02'43.35"
R2	811,018	890,113	26°46'45.86"	080°02'48.25"
G1	810,986	889,987	26°46'44.61"	080°02'48.63"
R40	811,092	889,752	26°46'42.27"	080°02'47.48"
R2	810,255	889,074	26°46'35.63"	080°02'56.76"
G1	810,193	888,836	26°46'33.27"	080°02'57.46"
R2	810,134	888,691	26°46'31.84"	080°02'58.13"
G3	810,104	888,631	26°46'31.25"	080°02'58.47"
G41	810,281	888,285	26°46'27.81"	080°02'56.54"
R42	809,815	887,815	26°46'23.19"	080°03'01.72"
G43	810,043	887,331	26°46'18.38"	080°02'59.24"
R12	810,657	886,475	26°46'09.86"	080°02'52.55"
G1	810,192	884,888	26°45'54.17"	080°02'57.80"
R2	810,066	884,811	26°45'53.42"	080°02'59.20"
R2A	810,128	883,710	26°45'42.52"	080°02'58.60"
G3	810,402	882,823	26°45'33.71"	080°02'55.66"
G3A	810,539	881,245	26°45'18.07"	080°02'54.27"
R4	810,399	880,981	26°45'15.47"	080°02'55.84"
R4A	810,439	879,549	26°45'01.29"	080°02'55.52"
G1	810,336	879,381	26°44'59.63"	080°02'56.67"
R2	810,327	879,259	26°44'58.42"	080°02'56.78"
G1	810,321	879,195	26°44'57.79"	080°02'56.85"
R2	810,451	878,748	26°44'53.35"	080°02'55.46"
G1	810,445	878,601	26°44'51.90"	080°02'55.53"
G5	810,818	876,922	26°44'35.24"	080°02'51.55"
R6	810,624	876,875	26°44'34.79"	080°02'53.70"
G7	810,912	874,483	26°44'11.09"	080°02'50.71"
R8	810,835	872,196	26°43'48.44"	080°02'51.75"

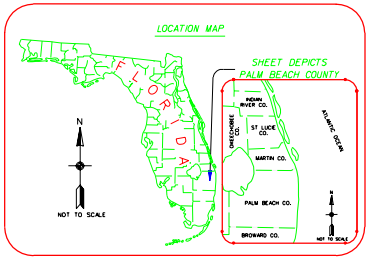
TIDE STAFF TABULATION

TIDE STAFF DESIGNATION	REFERENCE MONUMENT DESCRIPTION	EL FEET (NGVD)
TIDE STAFF NO. 29A	USC&GS "X-315 1970"	4.58
	NGS "E 310 1970"	8.44

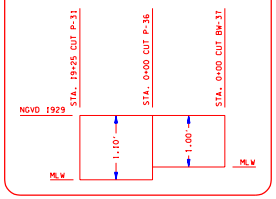
SHEET INDEX 3



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 AS SHOWN
Scale
Plot date
Plot scale

Designed by
Dwn by S.B.M.
Ckd by K.C.J.

Dated APRIL, 2000

D.O.FILE NO. 120A-37-989

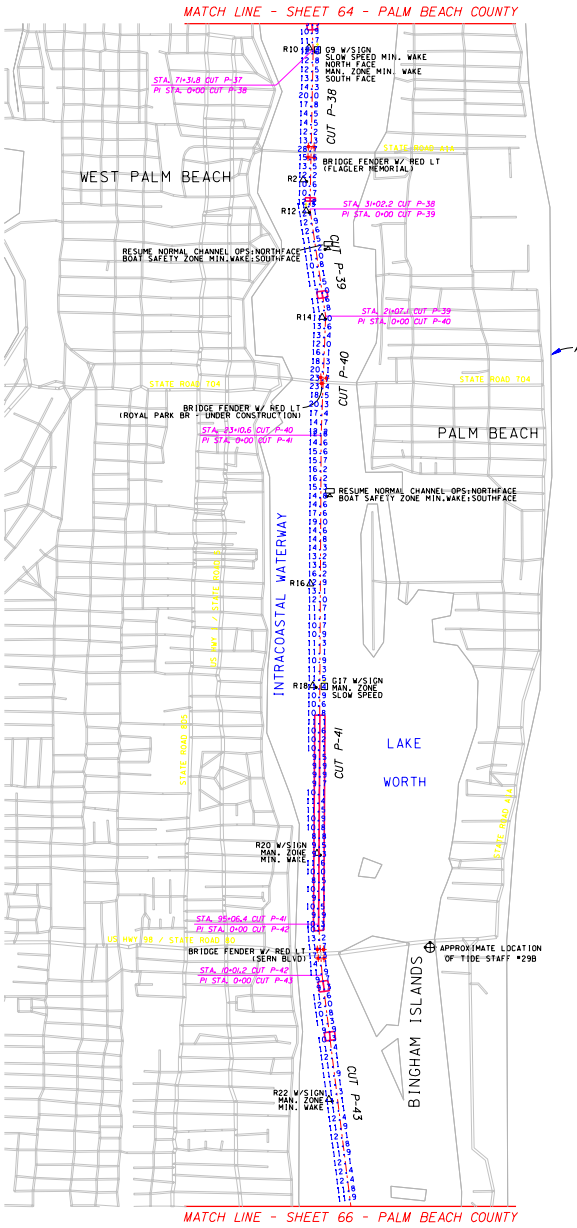
File name: PLAN1B3.DGN
Reference files: A314B3.DGN PALMBASE.DGN PALMCL.DGN AMANDA.DGN INDEX3.DGN

RECONNAISSANCE SURVEY OF THE
INTRACOASTAL WATERWAY
ST. JOHNS RIVER, JACKSONVILLE TO MIAMI
10-FOOT PROJECT
PALM BEACH COUNTY
CUT P-33A THRU CUT P-37
PLAN

DRAWING NO.

SHEET 64 OF 91

h:\iww\Dgn\a314SH64.dgn 10/16/00 02:34:36 PM

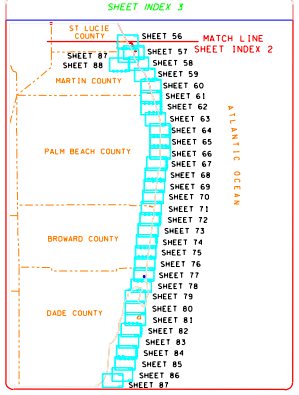


AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 27 (X)	(Y)	LATITUDE NAD 27	LONGITUDE NAD 27
R10	810,966	869,794	26°43'24.64"	080°02'50.51"
G9	811,128	869,758	26°43'24.28"	080°02'48.72"
R2	810,851	867,233	26°42'59.29"	080°02'51.99"
R12	810,905	866,629	26°42'53.31"	080°02'51.44"
R14	811,218	864,557	26°42'32.77"	080°02'48.16"
R16	810,989	859,378	26°41'41.49"	080°02'51.11"
R18	811,037	857,398	26°41'21.88"	080°02'50.75"
G17	811,260	857,384	26°41'21.73"	080°02'48.29"
R20	811,116	854,137	26°40'49.58"	080°02'50.14"
R22	811,349	849,349	26°40'02.15"	080°02'47.97"

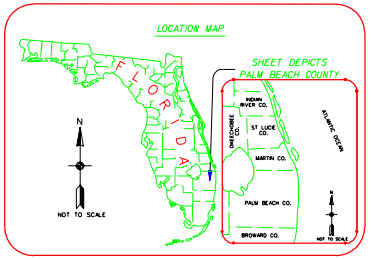
TIDE STAFF TABULATION

TIDE STAFF DESIGNATION	REFERENCE MONUMENT DESCRIPTION	EL FEET (NGVD)
TIDE STAFF NO. 29B	FLORIDA SRD "9.61"	9.66
	FLORIDA SRD "10.31"	10.40

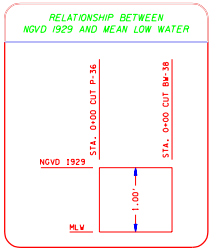
SHEET INDEX 3



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
Scale: AS SHOWN
Plotter: Plot scale:
Designed by: SBM
Drawn by: SBM
Checked by: KCC
Dated: APRIL, 2000
D.O.FILE NO. 120A-37-989

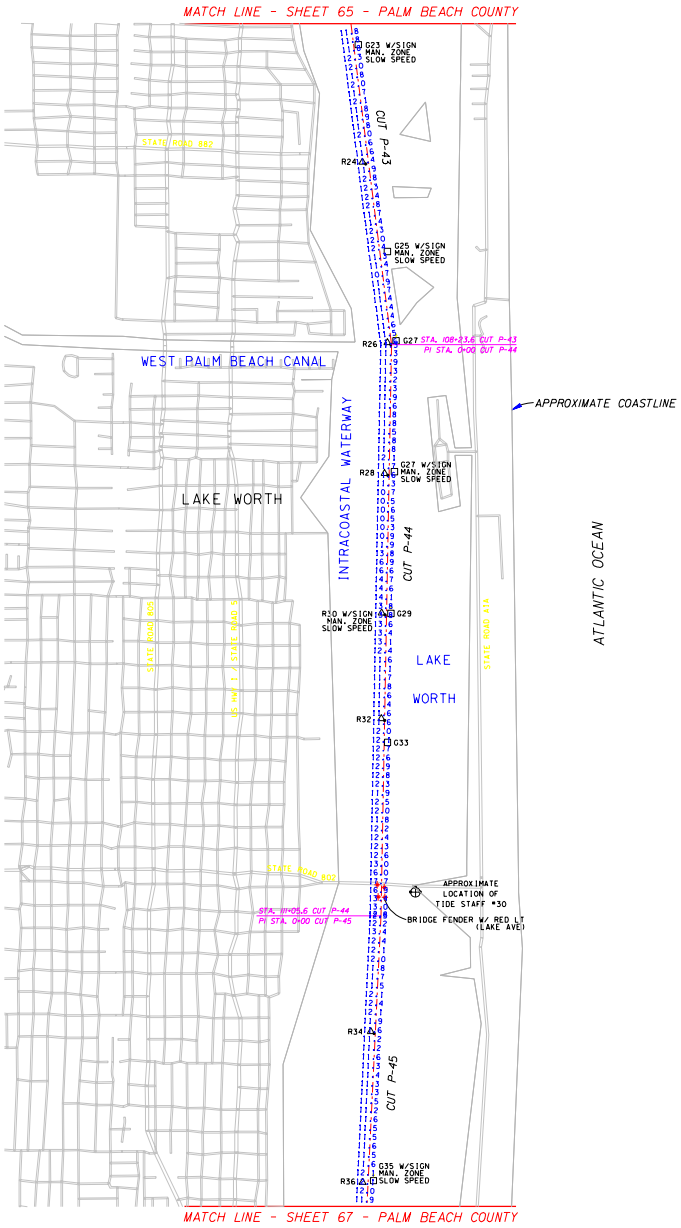
File name: PALMBEACH.DGN
Reference files: A314B1.DGN PALMBASE.DGN PALMCL.DGN PALMSHEET.DGN NGS13.DGN

RECONNAISSANCE SURVEY OF THE
INTRACOASTAL WATERWAY
ST. JOHNS RIVER, JACKSONVILLE TO MIAMI
10-FOOT PROJECT
PALM BEACH COUNTY
CUT P-37 THRU CUT P-43
PLAN

DRAWING NO.

SHEET 65 OF 91

h:\iww\Dgn\a314SH65.dgn 10/16/00 02:33:54 PM

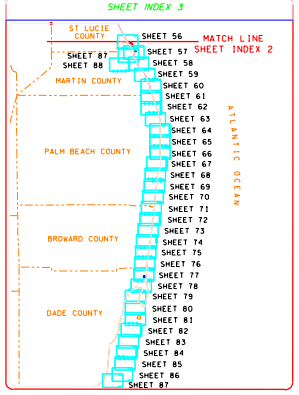


AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 27 (X)	(Y)	LATITUDE NAD 27	LONGITUDE NAD 27
G23	811,918	846,861	26°39'37.47"	080°02'41.90"
R24	811,998	844,578	26°39'14.85"	080°02'41.21"
G25	812,485	842,838	26°38'57.59"	080°02'35.99"
G27	812,654	841,101	26°38'40.37"	080°02'34.27"
R26	812,486	841,066	26°38'40.04"	080°02'36.12"
G27	812,622	838,557	26°38'15.18"	080°02'34.83"
R28	812,433	838,524	26°38'14.87"	080°02'36.92"
R30	812,376	835,809	26°37'47.99"	080°02'37.77"
G29	812,556	835,802	26°37'47.90"	080°02'35.78"
R32	812,369	833,755	26°37'27.65"	080°02'38.01"
G33	812,488	833,293	26°37'23.06"	080°02'36.74"
R34	812,163	827,670	26°36'27.40"	080°02'40.78"
G35	812,215	824,772	26°35'58.70"	080°02'40.45"
R36	812,004	824,741	26°35'58.41"	080°02'42.78"

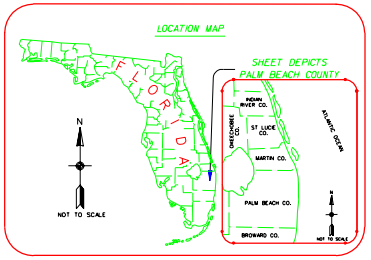
TIDE STAFF TABULATION

TIDE STAFF DESIGNATION	REFERENCE MONUMENT DESCRIPTION	EL FEET (NGVD)
TIDE STAFF NO. 30	USC&GS "N 317 RESET 1972"	16.49
	NOS "ND. 2 1973"	18.54

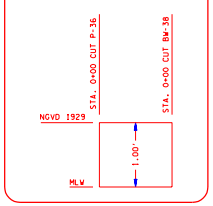
SHEET INDEX 3



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
Scale: AS SHOWN
Plot scale:
Plot center:
Dated: APRIL, 2000
D.O.FILE NO. 120A-37-989

Designed by:
Dwn by: S.B.M.
Ckd by: K.C.J.

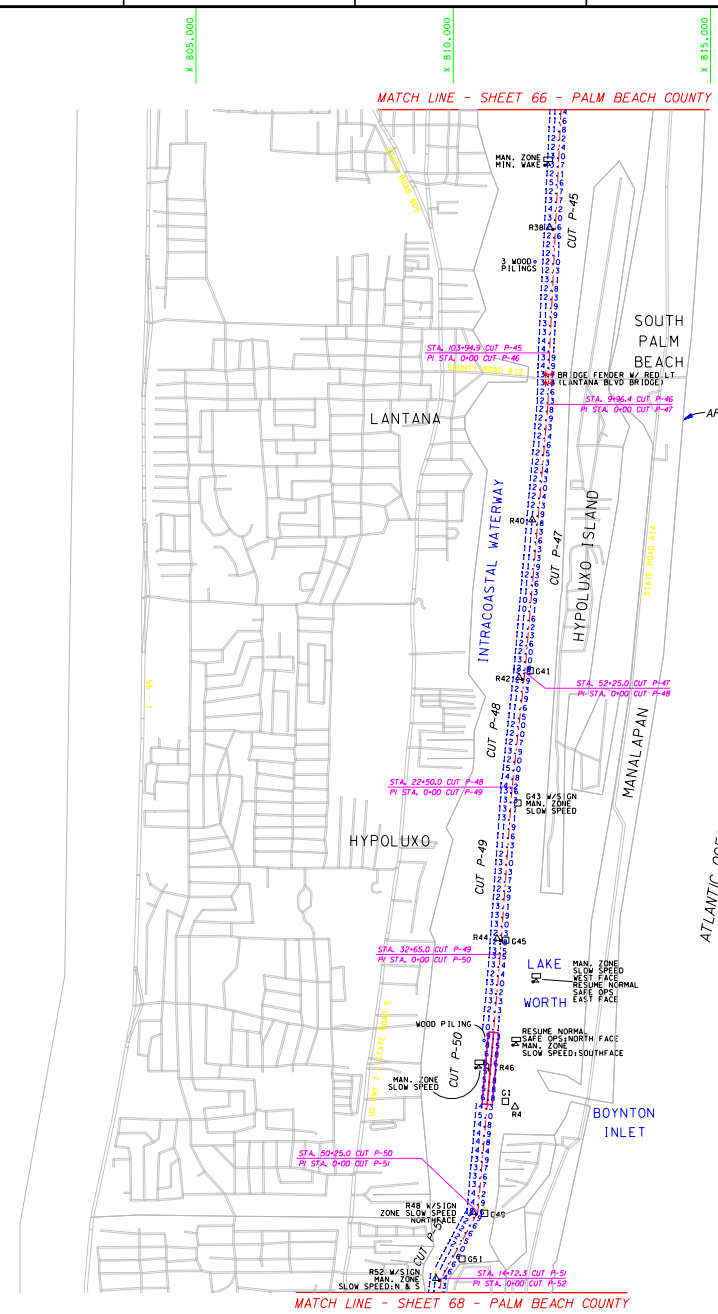
File name: A314SH66.DGN
Reference files: A314B1.DGN PALMBASE.DGN PALMCL.DGN PALMBDY.DGN INDEX3.DGN

RECONNAISSANCE SURVEY OF THE INTRACOASTAL WATERWAY
ST. JOHNS RIVER, JACKSONVILLE TO MIAMI
10-FOOT PROJECT
PALM BEACH COUNTY
CUT P-43 THRU CUT P-45
PLAN

DRAWING NO.

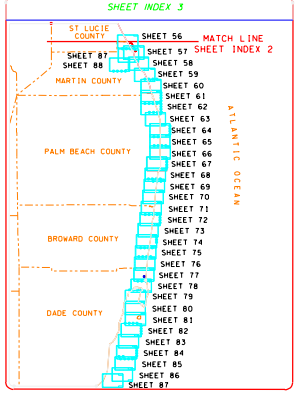
SHEET 66 OF 91

h:\iww\Dgn\a314SH66.dgn 10/16/00 02:33:17 PM

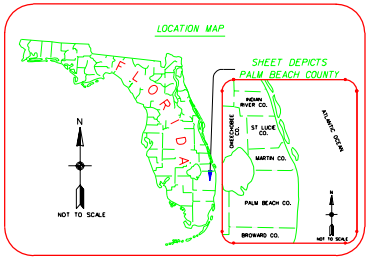


AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 27 (X)	(Y)	LATITUDE NAD 27	LONGITUDE NAD 27
R38	811,873	821,972	26°35'30.99"	080°02'44.45"
R40	811,541	816,295	26°34'34.80"	080°02'48.57"
G41	811,497	813,360	26°34'05.74"	080°02'49.30"
R42	811,283	813,224	26°34'04.41"	080°02'51.66"
G43	811,259	810,788	26°33'40.28"	080°02'52.13"
R44	810,852	808,148	26°33'14.17"	080°02'56.82"
G45	811,021	808,119	26°33'13.87"	080°02'54.97"
R46	810,699	805,595	26°32'48.90"	080°02'58.72"
G1	811,016	804,986	26°32'42.84"	080°02'55.28"
R4	811,201	804,880	26°32'41.78"	080°02'53.25"
R48	810,390	802,829	26°32'21.53"	080°03'02.35"
G49	810,611	802,808	26°32'21.30"	080°02'59.91"
G51	810,173	801,923	26°32'12.57"	080°03'04.81"
R52	809,664	801,541	26°32'08.82"	080°03'10.44"

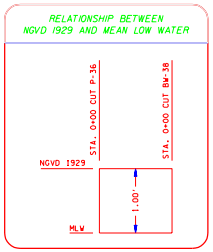
SHEET INDEX 3



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
Scale: AS SHOWN
Plot scale:
Plot scaler:
Dated: APRIL, 2000
D.O.FILE NO. 120A-37-989

Designed by:
Dwn by: S.B.M.
Ckd by: K.C.J.

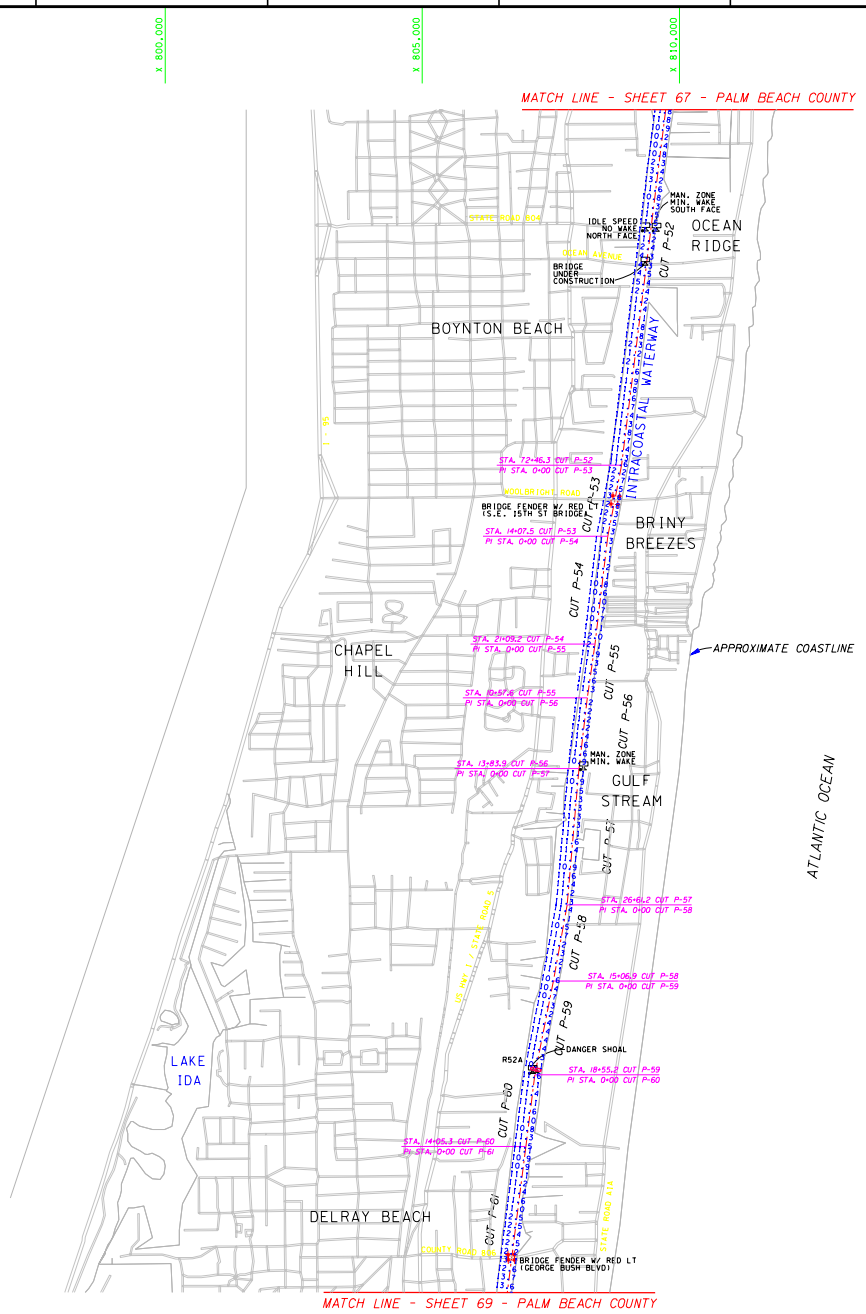
File name: PLAN1SH67.DGN
Reference files: A314TB3.DGN PALMBASE.DGN PALMCL.DGN PALMRW.DGN INDEX3.DGN

RECONNAISSANCE SURVEY OF THE INTRACOASTAL WATERWAY
ST. JOHNS RIVER, JACKSONVILLE TO MIAMI
10-FOOT PROJECT
PALM BEACH COUNTY
CUT P-45 THRU CUT P-52
PLAN

DRAWING NO.

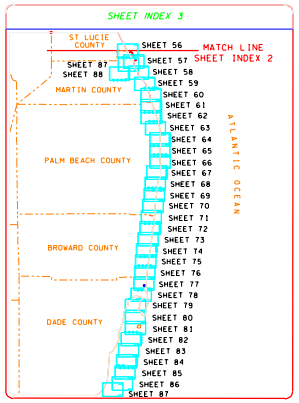
SHEET 67 OF 91

h:\iww\Dgn\a314SH67.dgn 10/16/00 02:32:40 PM

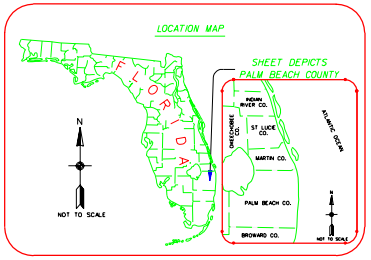


AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 27 (X)	(Y)	LATITUDE NAD 27	LONGITUDE NAD 27
R52A	807,181	782,594	26°29'01.37"	080°03'39.31"

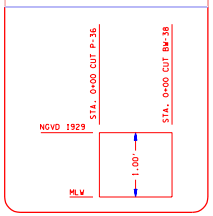
SHEET INDEX 3



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
Scale: AS SHOWN
Plot scale:
Plot center:
Dated APRIL, 2000
D.O.FILE NO. 120A-37-989

Designed by: S.B.M.
Dwn by: S.B.M.
Ckd by: K.C.J.

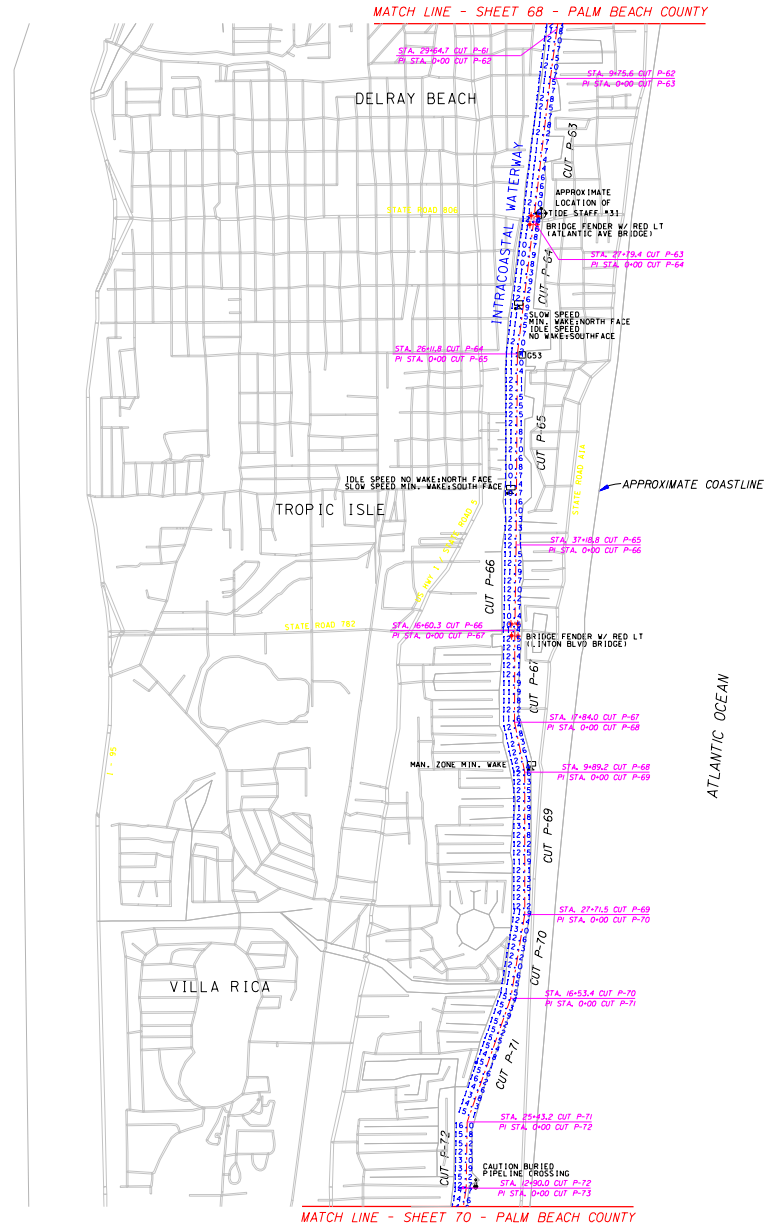
File name: A314SH68.DGN
References files: A314B3.DGN PALMBASE.DGN PALMCL.DGN AA4BASE.DGN INDEX3.DGN

RECONNAISSANCE SURVEY OF THE INTRACOASTAL WATERWAY
ST. JOHNS RIVER, JACKSONVILLE TO MIAMI
10-FOOT PROJECT
PALM BEACH COUNTY
CUT P-52 THRU CUT P-61
PLAN

DRAWING NO.

SHEET 68 OF 91

h:\iww\Dgn\a314SH68.dgn 10/16/00 02:32:00 PM

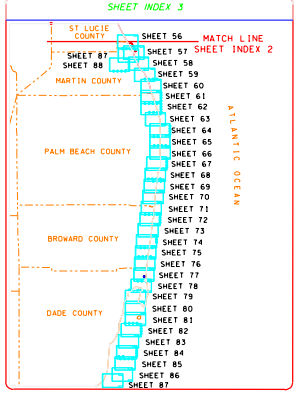


AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 27 (X)	(Y)	LATITUDE NAD 27	LONGITUDE NAD 27
G53	805,959	771,830	26°27'14.86"	080°03'53.61"

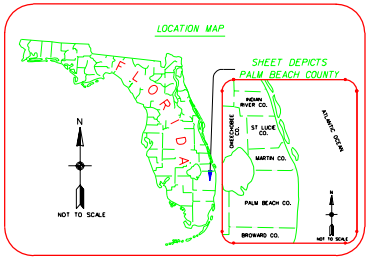
TIDE STAFF TABULATION

TIDE STAFF DESIGNATION	REFERENCE MONUMENT DESCRIPTION	EL FEET (NGVD)
TIDE STAFF NO. 31	FLORIDA SRD "14.264"	14.26
	FL SRD "IWP 3 1955 ELEV 17.163"	17.16

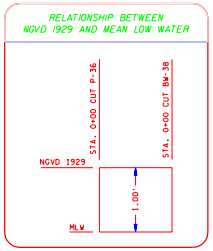
SHEET INDEX 3



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
Scale: AS SHOWN
Plot scale:
Plot scale:
Dated APRIL, 2000
D.O.FILE NO. 120A-37-989

Designed by:
Dwn by S.B.M.
Ckd by K.C.J.

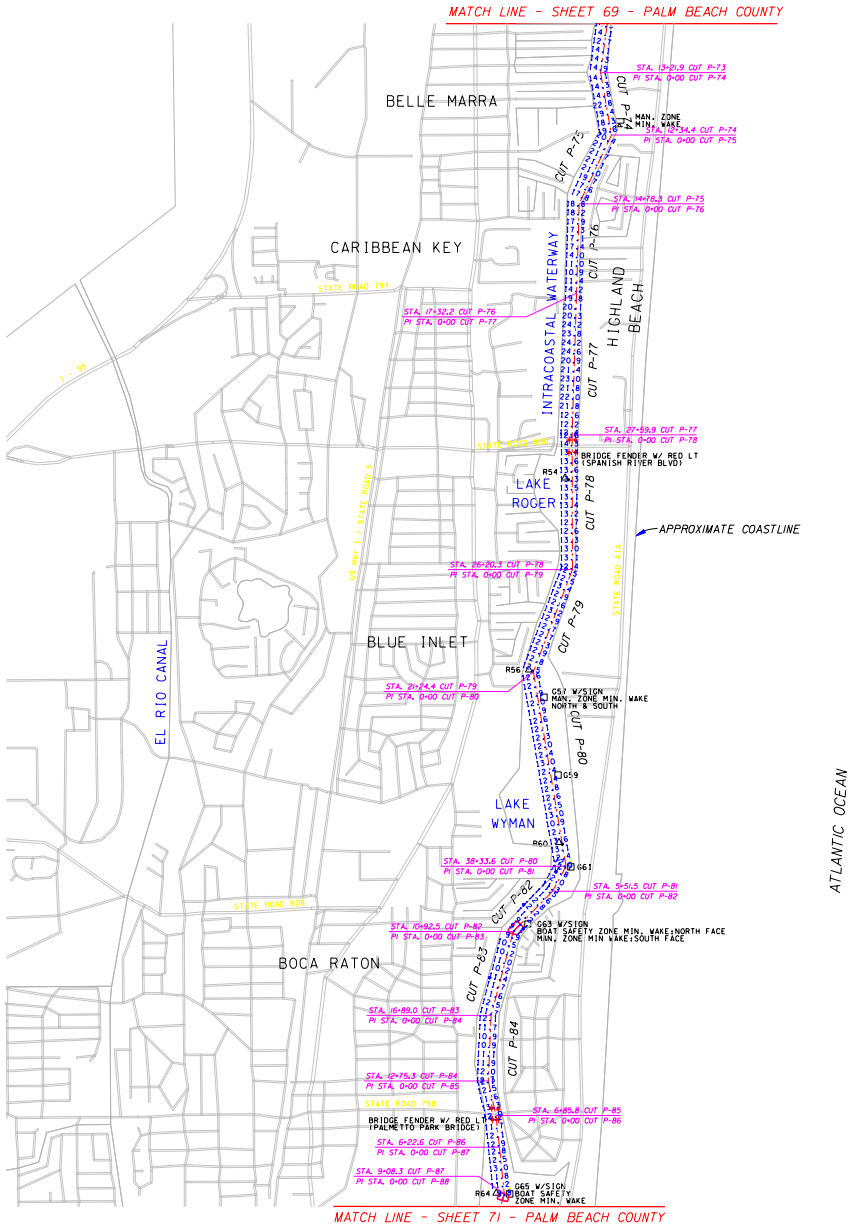
File name: PALMBEACH.DGN
Reference files: AJTR1B.DGN PALMBASE.DGN PALMCL.DGN PALMBEACH.DGN INDEX3.DGN

RECONNAISSANCE SURVEY OF THE
INTRACOASTAL WATERWAY
ST. JOHNS RIVER, JACKSONVILLE TO MIAMI
10-FOOT PROJECT
PALM BEACH COUNTY
CUT BV-1 THRU CUT BV-5
PLAN

DRAWING NO.

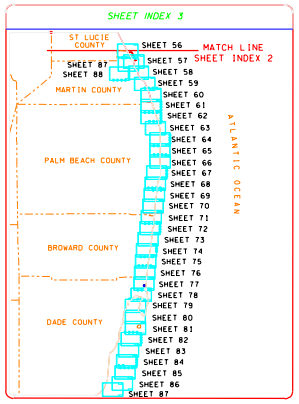
SHEET 69 OF 91

h:\iww\Dgn\a314SH69.dgn 10/16/00 02:31:16 PM

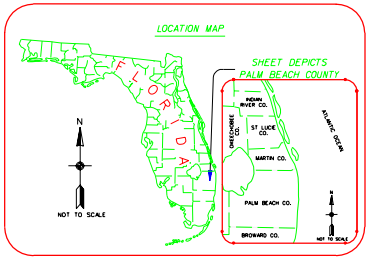


AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 27 (X)	(Y)	LATITUDE NAD 27	LONGITUDE NAD 27
R54	803,996	746,434	26°23'03.49"	080°04'17.22"
R56	803,288	742,701	26°22'26.57"	080°04'25.30"
G57	803,581	742,172	26°22'21.31"	080°04'22.12"
G59	803,856	740,661	26°22'06.33"	080°04'19.22"
R60	803,875	739,347	26°21'53.31"	080°04'19.12"
G61	804,105	738,873	26°21'48.60"	080°04'16.63"
G63	803,269	737,763	26°21'37.61"	080°04'25.30"
R64	802,656	732,529	26°20'45.88"	080°04'33.05"
G65	802,918	732,515	26°20'45.72"	080°04'30.17"

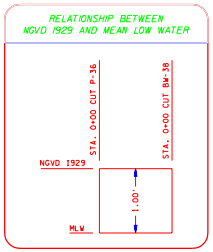
SHEET INDEX 3



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
Scale AS SHOWN
Plot scale
Plot center
Dated APRIL, 2000
D.O.FILE NO. 120A-37-989

Designed by
Dwn by S.B.M.
Ckd by K.C.J.

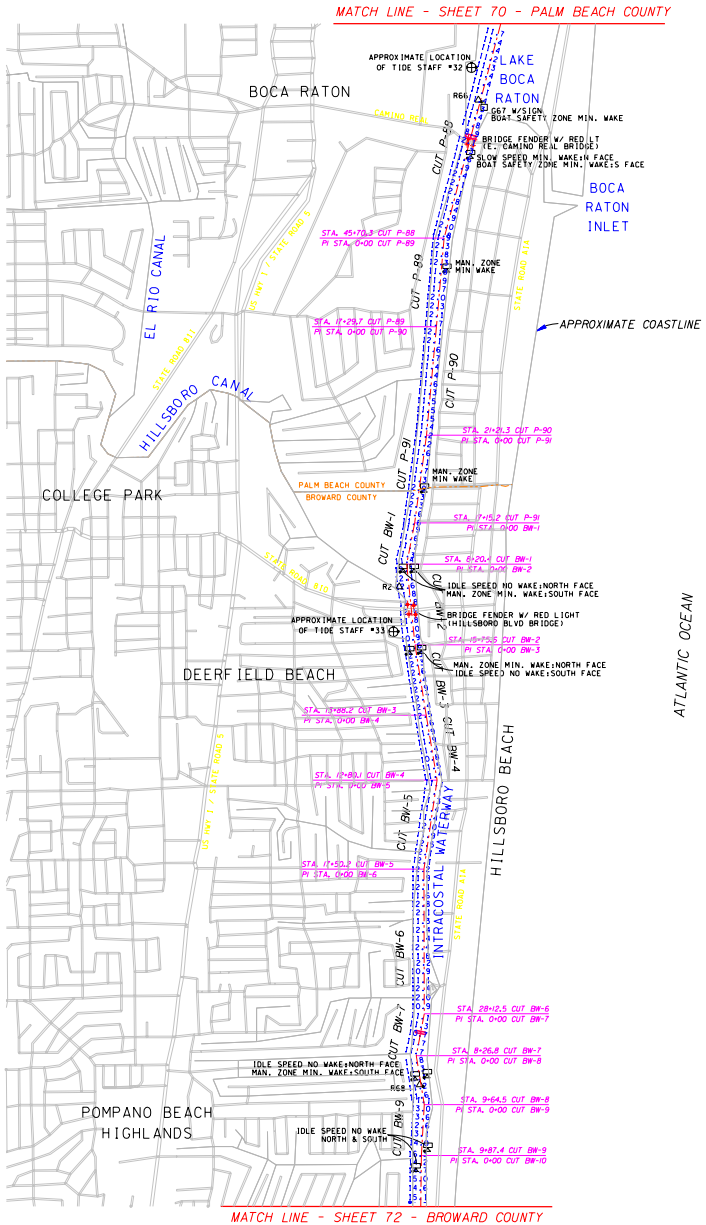
File name: A314SH70.DGN
Reference files: A314B1.DGN PALMBASE.DGN PALMCL.DGN AA4MAP.DGN NGS13.DGN

RECONNAISSANCE SURVEY OF THE INTRACOASTAL WATERWAY
ST. JOHNS RIVER, JACKSONVILLE TO MIAMI
10-FOOT PROJECT
PALM BEACH COUNTY
CUT P-73 THRU CUT P-88
PLAN

DRAWING NO.

SHEET 70 OF 91

h:\iww\Dgn\a314SH70.dgn 10/16/00 02:30:39 PM

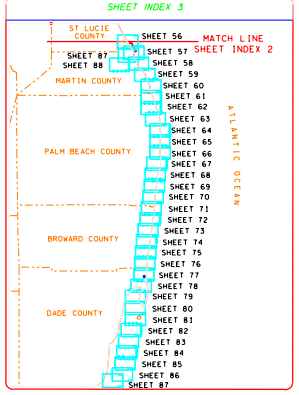


AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 27 (X)	(Y)	LATITUDE NAD 27	LONGITUDE NAD 27
R66	802,308	730,783	26°20'28.61"	080°04'37.01"
G67	802,417	730,642	26°20'27.20"	080°04'35.83"
R2	800,767	721,318	26°18'54.97"	080°04'54.69"
R68	801,169	711,639	26°17'19.09"	080°04'51.03"

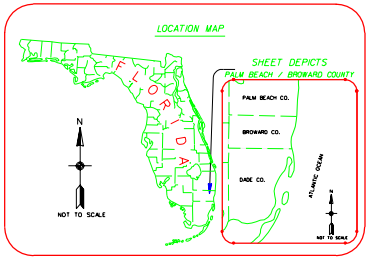
TIDE STAFF TABULATION

TIDE STAFF DESIGNATION	REFERENCE MONUMENT DESCRIPTION	EL FEET (NGVD)
TIDE STAFF NO. 32	USC&GS "E 312 1970"	5.37
	USC&GS "G 312 1970"	5.41
TIDE STAFF NO. 33	COE "NO IWBW 64 1957 JACKSONVILLE"	4.08
	FLORIDA SRD "26.30"	26.30

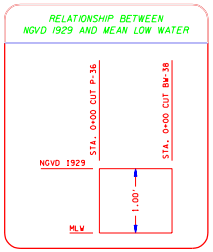
SHEET INDEX 3



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

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

File name: A314SH71.DGN
Reference files: A314B3.DGN, PALMBASE.DGN, PALMCL.DGN, BROWBASE.DGN, BROWCL.DGN, A314SG0.DGN, RGB3.3.DGN

RECONNAISSANCE SURVEY OF THE INTRACOASTAL WATERWAY
ST. JOHNS RIVER, JACKSONVILLE TO MIAMI
10-FOOT PROJECT
BROWARD AND PALM BEACH COUNTY
CUT P-88 THRU CUT BW-10
PLAN

DRAWING NO.

SHEET 71 OF 91

h:\iww\Dgn\a314SH71.dgn 10/16/00 02:29:54 PM