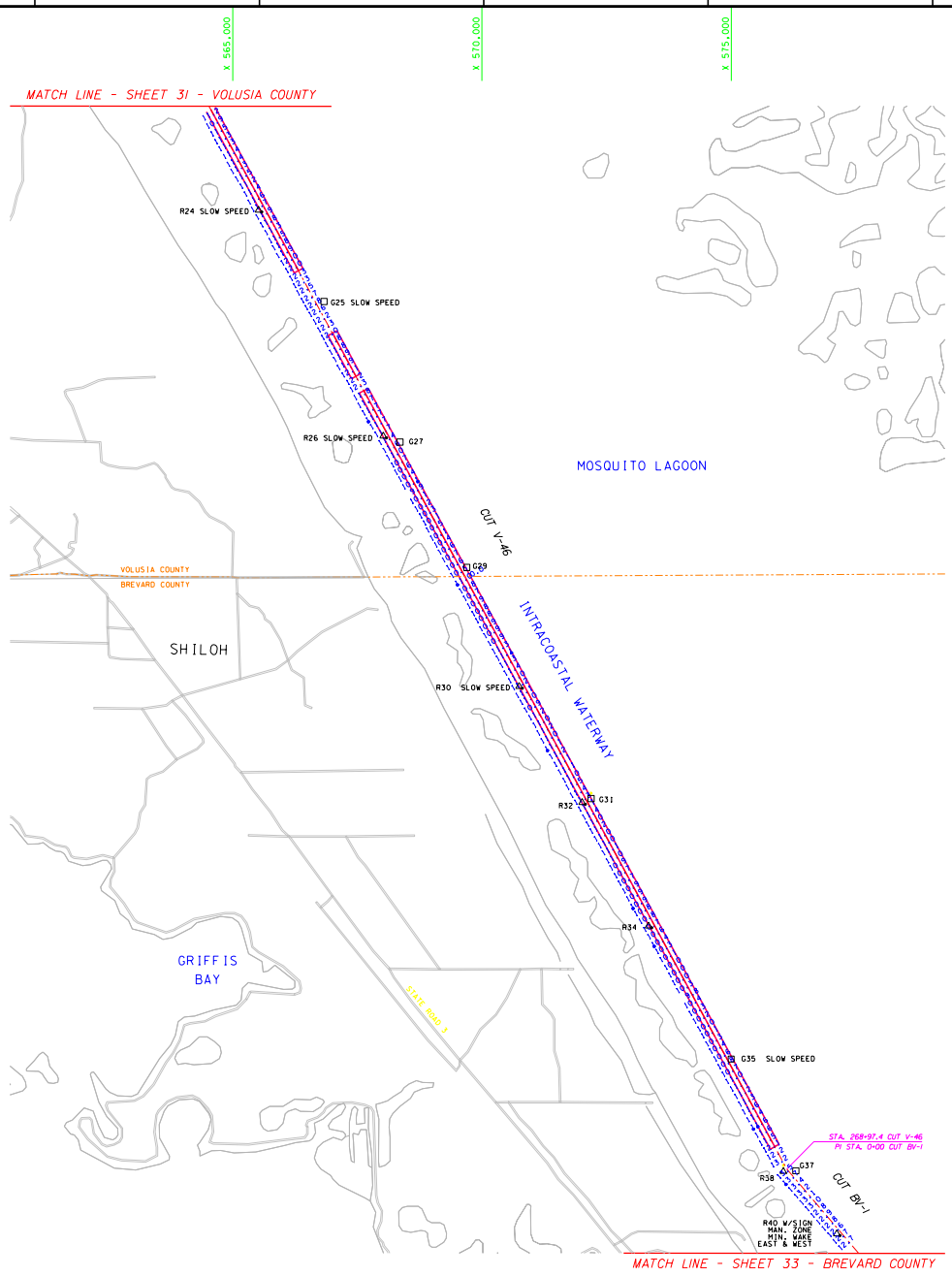
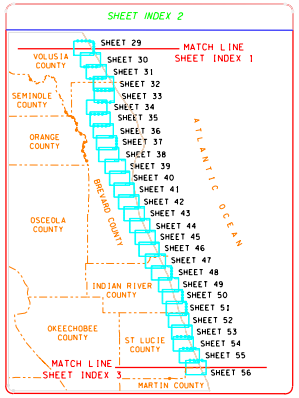
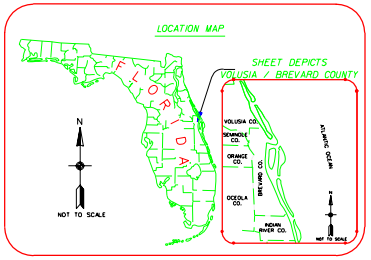
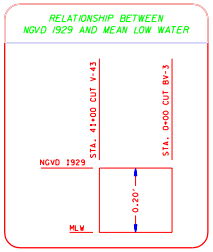


AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 27 (X)	(Y)	LATITUDE NAD 27	LONGITUDE NAD 27
R24	565,516	1,627,594	28°48'39.97"	080°47'43.51"
G25	566,831	1,625,764	28°48'21.83"	080°47'28.76"
R26	568,021	1,623,063	28°47'55.06"	080°47'15.44"
G27	568,356	1,622,946	28°47'53.90"	080°47'11.68"
G29	569,697	1,620,433	28°47'28.99"	080°46'56.66"
R30	570,742	1,618,042	28°47'05.30"	080°46'44.96"
G31	572,188	1,615,797	28°46'43.04"	080°46'28.76"
R32	572,009	1,615,717	28°46'42.25"	080°46'30.77"
R34	573,340	1,613,240	28°46'17.70"	080°46'15.87"
G35	574,995	1,610,572	28°45'51.25"	080°45'57.33"
G37	576,294	1,608,334	28°45'29.07"	080°45'42.79"
R38	576,039	1,608,317	28°45'28.91"	080°45'45.65"
R40	577,115	1,607,069	28°45'16.53"	080°45'33.59"







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. 8-37-988

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

File name: 314SH32.DGN
Reference files: A314TB.DGN VOLUBASE.DGN A314SOL.DGN A314SL.DGN INDEX.DGN BREVBASE.DGN BREVSOLD.DGN

RECONNAISSANCE SURVEY OF THE
INTRACOASTAL WATERWAY
ST. JOHNS RIVER, JACKSONVILLE TO MIAMI
12-FOOT PROJECT
BREVARD AND VOLUSIA COUNTY
CUT V-46 THRU CUT BY-1
PLAN

DRAWING NO.

SHEET 32 OF 91

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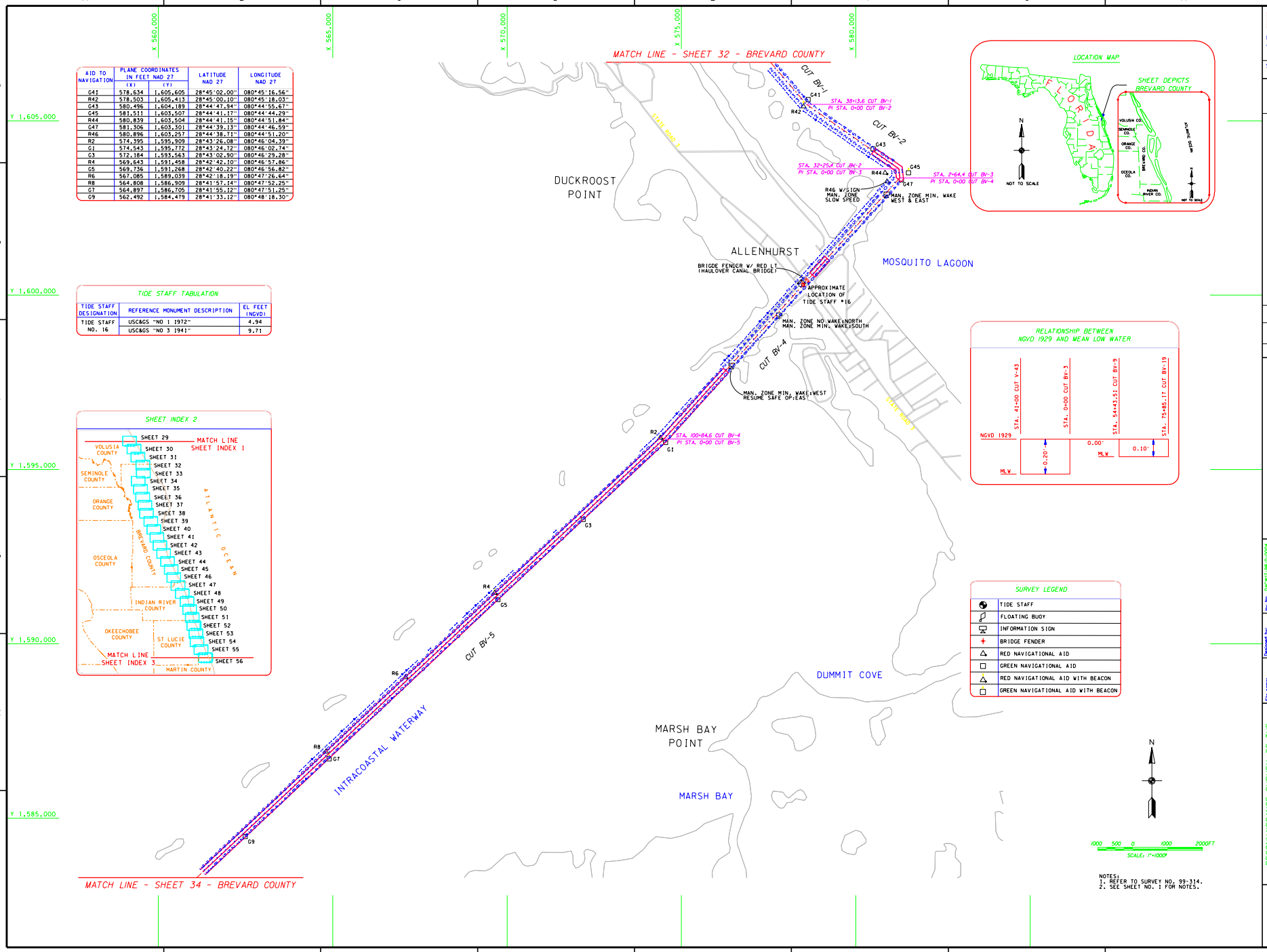

AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 27 (X)	(Y)	LATITUDE NAD 27	LONGITUDE NAD 27
G41	578,634	1,605,605	28°45'02.00"	080°45'16.56"
R42	578,503	1,605,413	28°45'00.10"	080°45'18.03"
G43	580,496	1,604,189	28°44'47.94"	080°44'55.67"
G45	581,511	1,603,507	28°44'41.17"	080°44'44.29"
R44	580,839	1,603,504	28°44'41.15"	080°44'51.84"
G47	581,306	1,603,301	28°44'39.13"	080°44'46.59"
R46	580,896	1,603,257	28°44'38.71"	080°44'51.20"
R2	574,395	1,595,909	28°43'26.08"	080°46'04.39"
G1	574,543	1,595,772	28°43'24.72"	080°46'02.74"
G3	572,184	1,593,563	28°43'02.90"	080°46'29.28"
R4	569,643	1,591,458	28°42'42.10"	080°46'57.86"
G5	569,736	1,591,268	28°42'40.22"	080°46'56.82"
R6	567,085	1,589,039	28°42'18.19"	080°47'26.64"
R8	564,808	1,586,909	28°41'57.14"	080°47'52.25"
G7	564,897	1,586,705	28°41'55.12"	080°47'51.25"
G9	562,492	1,584,479	28°41'33.12"	080°48'18.30"

TIDE STAFF DESIGNATION	REFERENCE MONUMENT DESCRIPTION	EL FEET (NGVD)
TIDE STAFF	USC&GS "NO 1 1972"	4.94
NO. 16	USC&GS "NO 3 1941"	9.71

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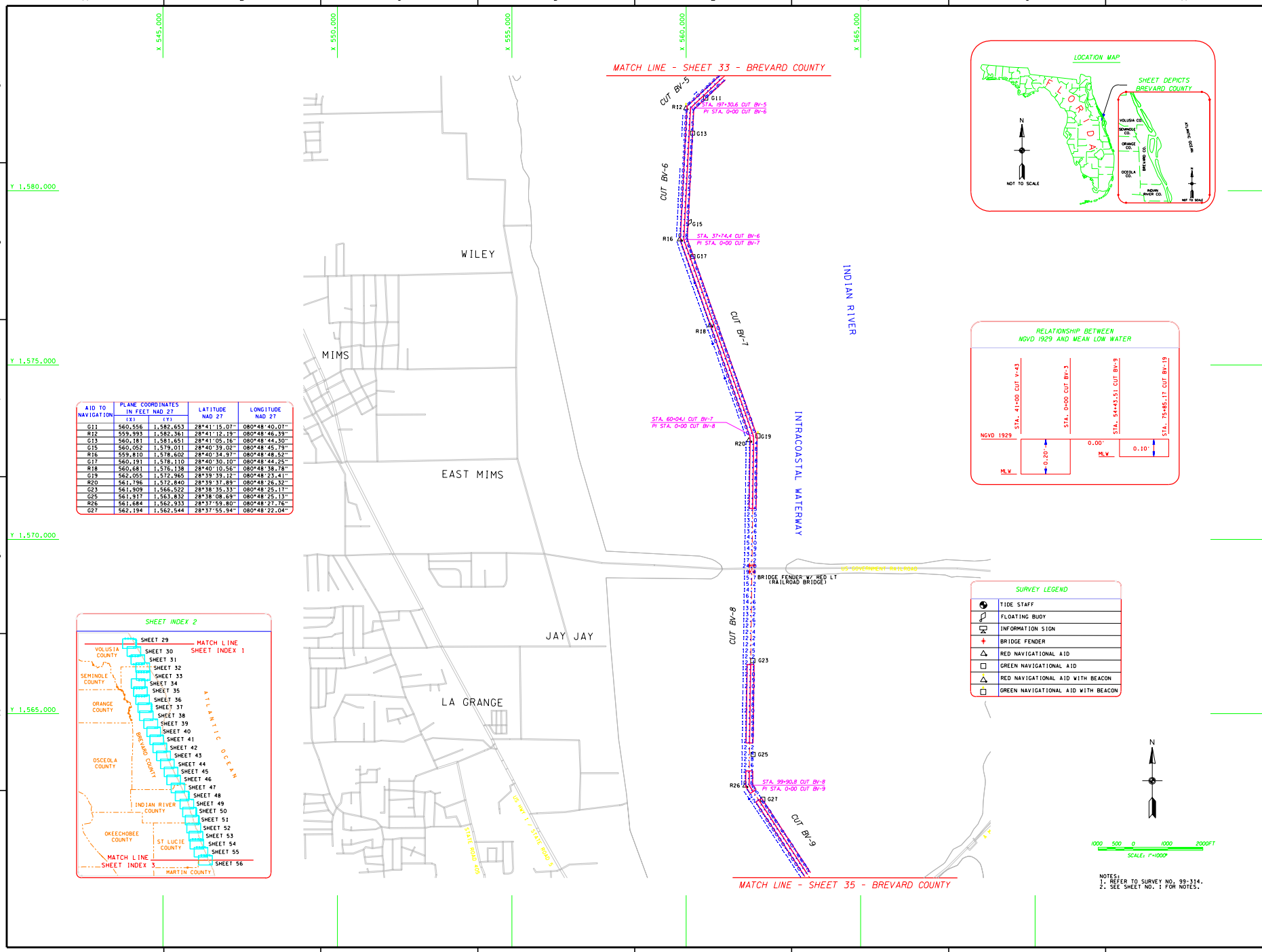

AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 27 (X)	(Y)	LATITUDE NAD 27	LONGITUDE NAD 27
G11	560,556	1,582,653	28°41'15.07"	080°48'40.07"
R12	559,993	1,582,361	28°41'12.19"	080°48'46.39"
G13	560,181	1,581,651	28°41'05.16"	080°48'44.30"
G15	560,052	1,579,011	28°40'39.02"	080°48'45.79"
R16	559,810	1,578,602	28°40'34.97"	080°48'48.52"
G17	560,191	1,578,110	28°40'30.10"	080°48'44.25"
R18	560,681	1,576,138	28°40'10.56"	080°48'38.78"
G19	562,055	1,572,965	28°39'39.12"	080°48'23.41"
R20	561,796	1,572,840	28°39'37.89"	080°48'26.32"
G23	561,909	1,566,522	28°38'35.33"	080°48'25.17"
G25	561,917	1,563,832	28°38'08.69"	080°48'25.13"
R26	561,684	1,562,933	28°37'59.80"	080°48'27.76"
G27	562,194	1,562,544	28°37'55.94"	080°48'22.04"

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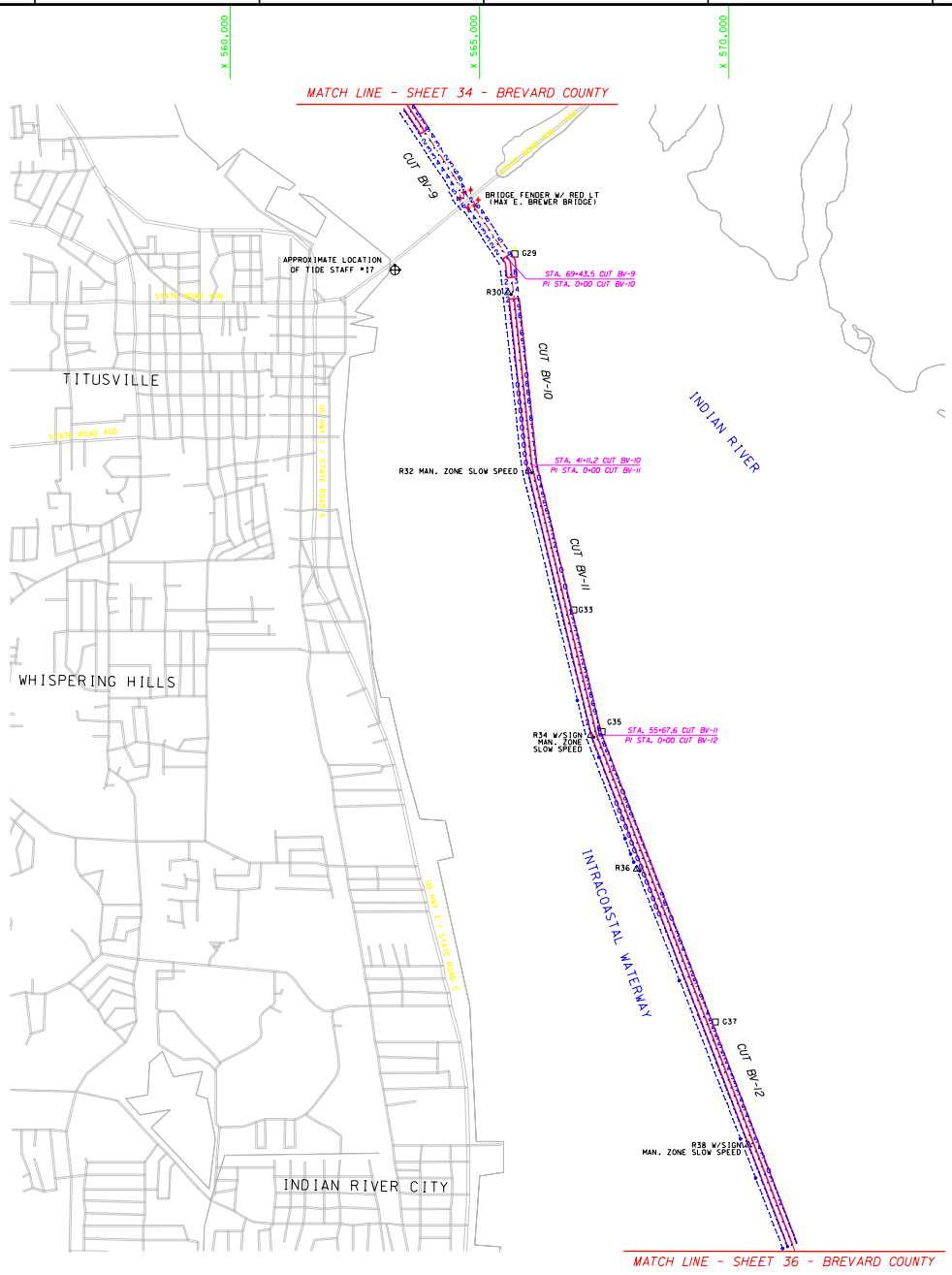
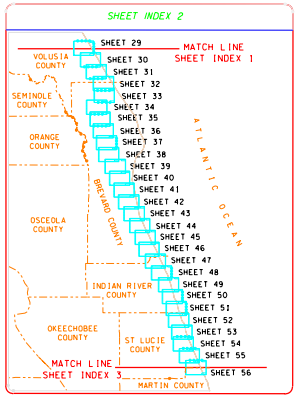


AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 27 (X)	(Y)	LATITUDE NAD 27	LONGITUDE NAD 27
G29	565,106	1,557,299	28°37'03.95"	080°47'42.73"
R30	565,570	1,556,522	28°36'56.25"	080°47'44.27"
R32	565,987	1,552,942	28°36'20.80"	080°47'39.66"
G33	566,888	1,550,157	28°35'53.21"	080°47'29.61"
G35	567,456	1,547,718	28°35'29.05"	080°47'23.28"
R34	567,231	1,547,644	28°35'28.32"	080°47'25.81"
R36	568,151	1,544,963	28°35'01.76"	080°47'15.54"
G37	569,128	1,541,896	28°34'31.36"	080°46'57.92"
R38	570,388	1,539,432	28°34'06.95"	080°46'50.56"

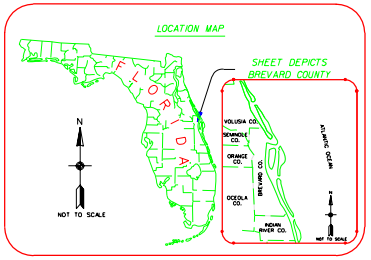
TIDE STAFF TABULATION

TIDE STAFF DESIGNATION	REFERENCE MONUMENT DESCRIPTION	EL FEET (NGVD)
TIDE STAFF NO. 17	FLORIDA SRD "D 305 1970"	9.18
	FLORIDA SRD "Z 131"	9.09

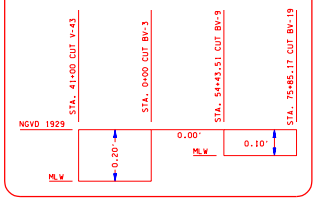
SHEET INDEX 2



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

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: Cad by: K.C.J.
Dwn by: S.B.M.
Plot scale:
Plot date:
Dated APRIL, 2000
D.O.FILE NO. 8-37-988

File name: 314SH35.DGN
Reference files: A314TB.DGN, A314BRIDGE.DGN, A314SOL.DGN, A314SH2.DGN, INDEX2.DGN

RECONNAISSANCE SURVEY OF THE INTRACOASTAL WATERWAY
ST. JOHNS RIVER, JACKSONVILLE TO MIAMI
12-FOOT PROJECT
BREVARD COUNTY
CUT BV-9 THRU CUT BV-12
PLAN

DRAWING NO.

SHEET 35 OF 91

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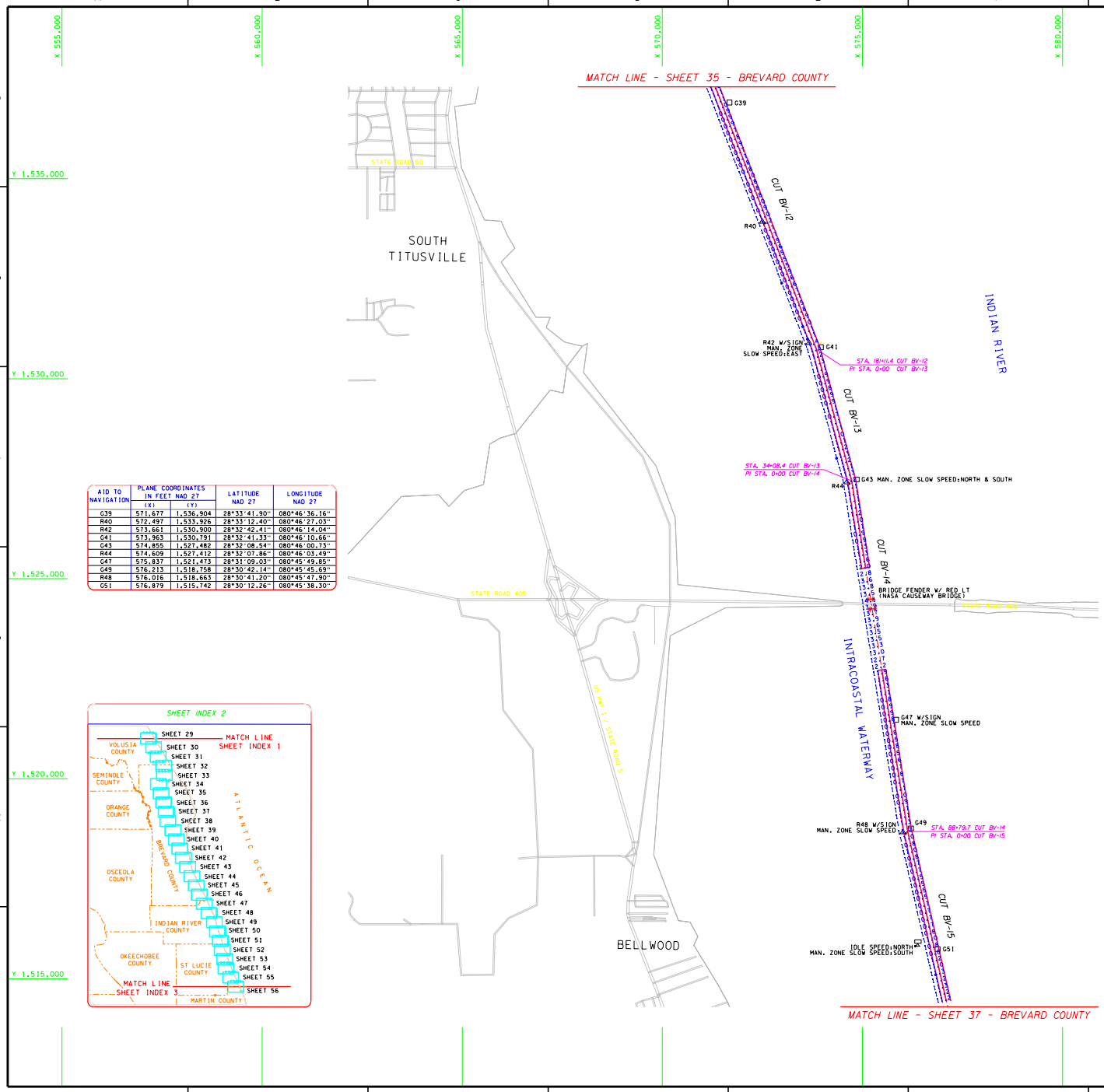
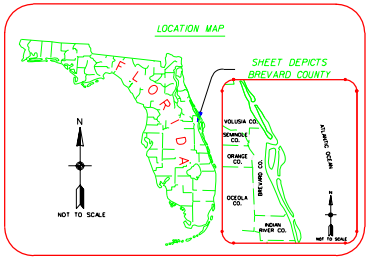


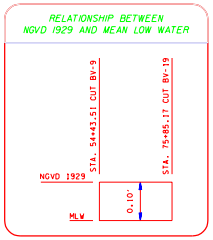
AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 27 (X)	(Y)	LATITUDE NAD 27	LONGITUDE NAD 27
G39	571,677	1,536,904	28°33'41.90"	080°46'36.16"
R40	572,497	1,533,926	28°33'12.40"	080°46'27.03"
R42	573,661	1,530,900	28°32'42.41"	080°46'14.04"
G41	573,963	1,530,791	28°32'41.33"	080°46'10.66"
G43	574,855	1,527,482	28°32'08.54"	080°46'00.73"
R44	574,609	1,527,412	28°32'07.86"	080°46'03.49"
G47	575,837	1,521,473	28°31'09.03"	080°45'49.85"
G49	576,213	1,518,758	28°30'42.14"	080°45'45.69"
R48	576,016	1,518,663	28°30'41.20"	080°45'47.90"
G51	576,879	1,515,742	28°30'12.26"	080°45'38.30"

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

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
Scale factor:
Plot scale:
Dated APRIL, 2000
D.O.FILE NO. 8-37-988

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

File name: a314SH36.DGN
Reference files: A314TB.DGN BRICVBASE.DGN A314SGL.DGN BREVCOL.DGN INDEX2.DGN

RECONNAISSANCE SURVEY OF THE INTRACOASTAL WATERWAY
ST. JOHNS RIVER, JACKSONVILLE TO MIAMI
12-FOOT PROJECT
BREVARD COUNTY
CUT BV-12 THRU CUT BV-15
PLAN

DRAWING NO.

SHEET 36 OF 91

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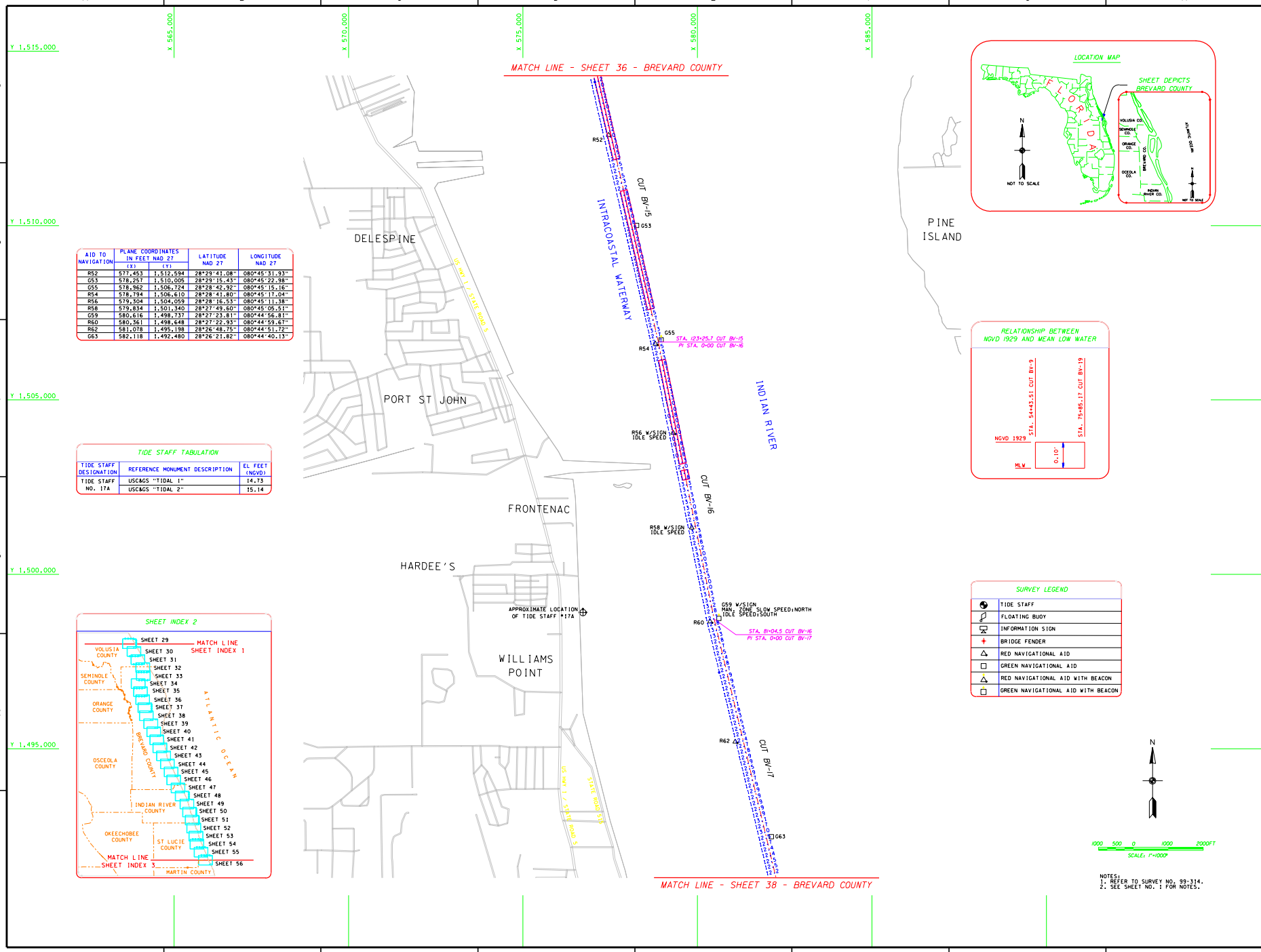

AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 27 (X)	(Y)	LATITUDE NAD 27	LONGITUDE NAD 27
R52	577,453	1,512,594	28°29'41.08"	080°45'31.93"
G53	578,257	1,510,005	28°29'15.43"	080°45'22.98"
G55	578,962	1,506,724	28°28'42.92"	080°45'15.16"
R54	578,794	1,506,610	28°28'41.80"	080°45'17.04"
R56	579,304	1,504,059	28°28'16.53"	080°45'11.38"
R58	579,834	1,501,340	28°27'49.60"	080°45'05.51"
G59	580,616	1,498,737	28°27'23.81"	080°44'56.81"
R60	580,361	1,498,648	28°27'22.93"	080°44'59.67"
R62	581,078	1,495,198	28°26'48.75"	080°44'51.72"
G63	582,118	1,492,480	28°26'21.82"	080°44'40.13"

TIDE STAFF TABULATION

TIDE STAFF DESIGNATION	REFERENCE MONUMENT DESCRIPTION	EL FEET (NGVD)
TIDE STAFF NO. 17A	USC&GS "TIDAL 1"	14.73
	USC&GS "TIDAL 2"	15.14

SHEET INDEX 2

MATCH LINE SHEET INDEX 1
SHEET 29
SHEET 30
SHEET 31
SHEET 32
SHEET 33
SHEET 34
SHEET 35
SHEET 36
SHEET 37
SHEET 38
SHEET 39
SHEET 40
SHEET 41
SHEET 42
SHEET 43
SHEET 44
SHEET 45
SHEET 46
SHEET 47
SHEET 48
SHEET 49
SHEET 50
SHEET 51
SHEET 52
SHEET 53
SHEET 54
SHEET 55
SHEET 56
MATCH LINE SHEET INDEX 3
VOLUSIA COUNTY
SEMINOLE COUNTY
ORANGE COUNTY
OSCEOLA COUNTY
BREVARD COUNTY
INDIAN RIVER COUNTY
OKEECHOBEE COUNTY
ST LUCIE COUNTY
MARTIN COUNTY
ATLANTIC OCEAN

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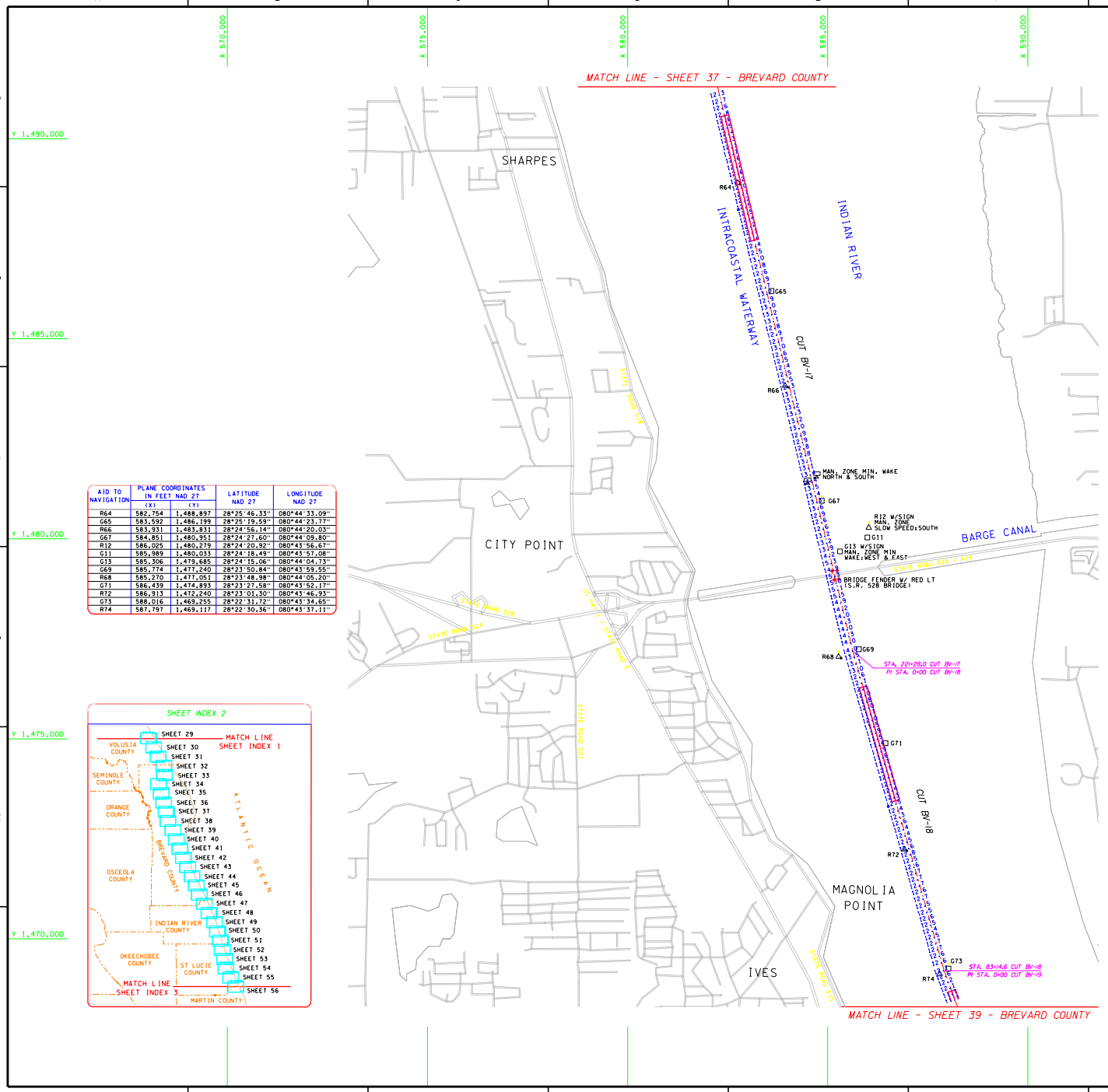
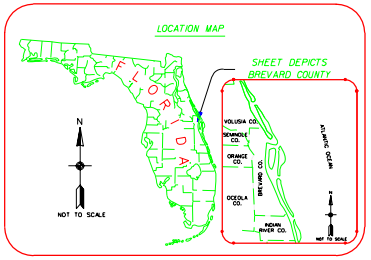
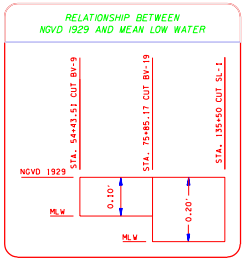


AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 27 (X)	(Y)	LATITUDE NAD 27	LONGITUDE NAD 27
R64	582,754	1,488,897	28°25'46.33"	080°44'33.09"
G65	583,592	1,486,199	28°25'19.59"	080°44'23.77"
R66	583,931	1,483,831	28°24'56.14"	080°44'20.03"
G67	584,851	1,480,951	28°24'27.60"	080°44'09.80"
R12	586,025	1,480,279	28°24'20.92"	080°43'56.67"
G11	585,989	1,480,033	28°24'18.49"	080°43'57.08"
G13	585,306	1,479,685	28°24'15.06"	080°44'04.73"
G69	585,774	1,477,240	28°23'50.84"	080°43'59.55"
R68	585,270	1,477,051	28°23'48.98"	080°44'05.20"
G71	586,439	1,474,893	28°23'27.58"	080°43'52.17"
R72	586,913	1,472,240	28°23'01.30"	080°43'46.93"
G73	588,016	1,469,255	28°22'31.72"	080°43'34.65"
R74	587,797	1,469,117	28°22'30.36"	080°43'37.11"





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.
Ckd by K.C.J.
Plot scale
Plot center
Dated APRIL, 2000
D.O.FILE NO. 8-37-988

File name: CUT BV-17 THRU CUT BV-19 PLAN.DGN
Reference files: A314TB.DGN BRIC1BASE.DGN A314SOL.DGN BRIDGE.DGN INDEX2.DGN

RECONNAISSANCE SURVEY OF THE
INTRACOASTAL WATERWAY
ST. JOHNS RIVER, JACKSONVILLE TO MIAMI
12-FOOT PROJECT
BREVARD COUNTY
CUT BV-17 THRU CUT BV-19
PLAN

DRAWING NO.

SHEET 38 OF 91

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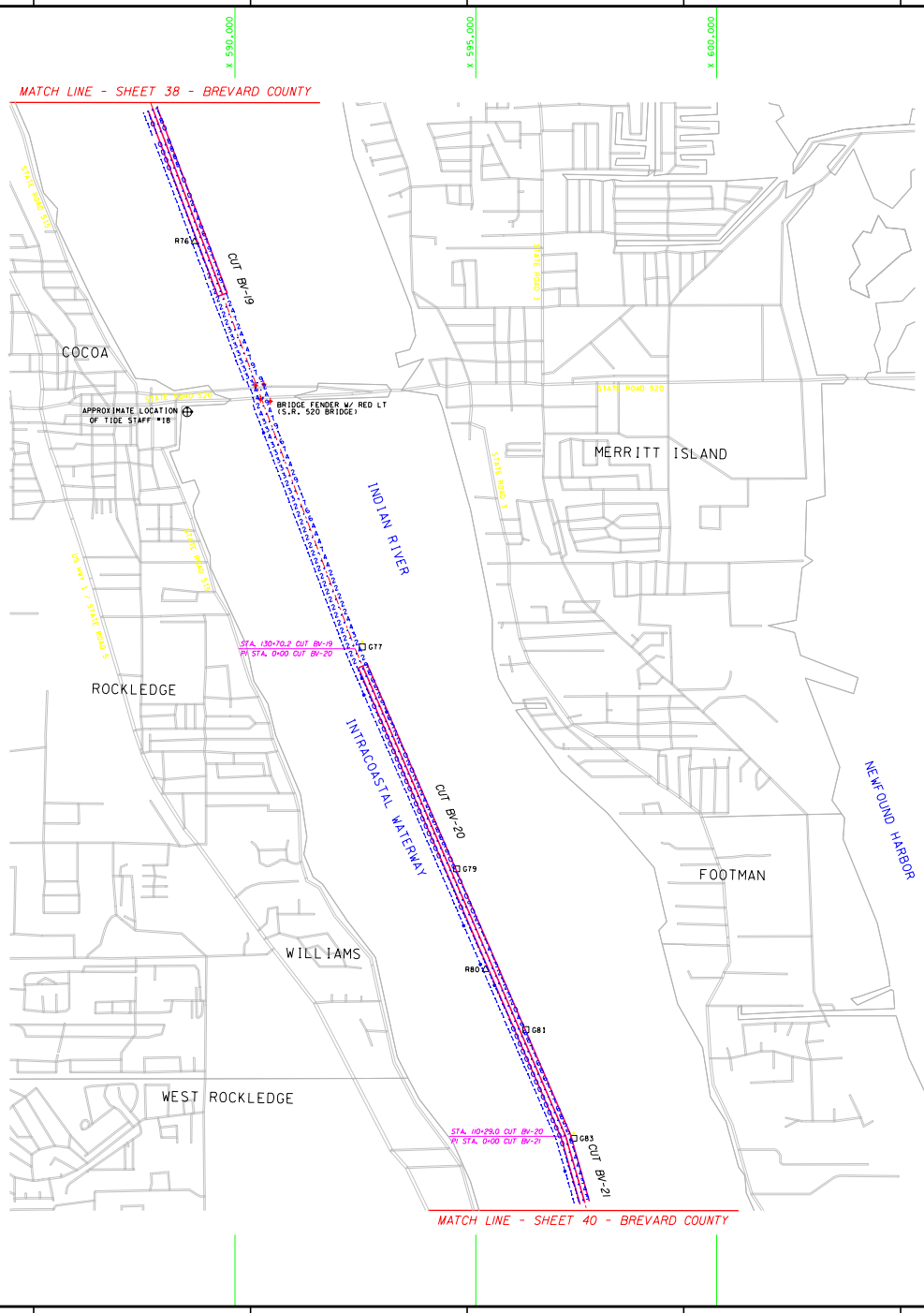
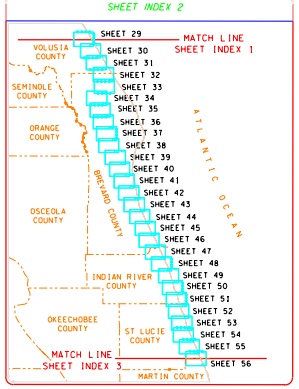


AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 27 (X)	(Y)	LATITUDE NAD 27	LONGITUDE NAD 27
R76	589,159	1,465,412	28°21'53.64"	080°43'21.96"
G77	592,643	1,456,999	28°20'30.26"	080°42'43.18"
G79	594,603	1,452,391	28°19'44.58"	080°42'21.37"
R80	595,201	1,450,302	28°19'23.88"	080°42'14.74"
G81	596,039	1,449,051	28°19'11.48"	080°42'05.40"
G83	597,032	1,446,797	28°18'49.13"	080°41'54.35"

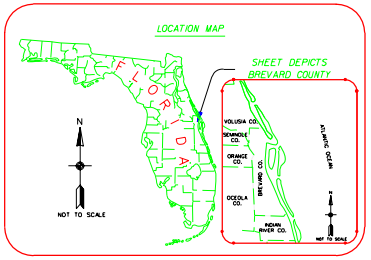
TIDE STAFF TABULATION

TIDE STAFF DESIGNATION	REFERENCE MONUMENT DESCRIPTION	EL FEET (NGVD)
TIDE STAFF NO. 18	COE "IWBV 115 US ENGINEER DEPT"	10.11
	FLORIDA SRD "TO 92 GPS 15 10.07"	10.07

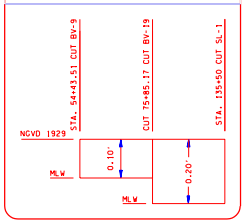
SHEET INDEX 2



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

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

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

Dated APRIL, 2000

D.O.FILE NO. 8-37-988

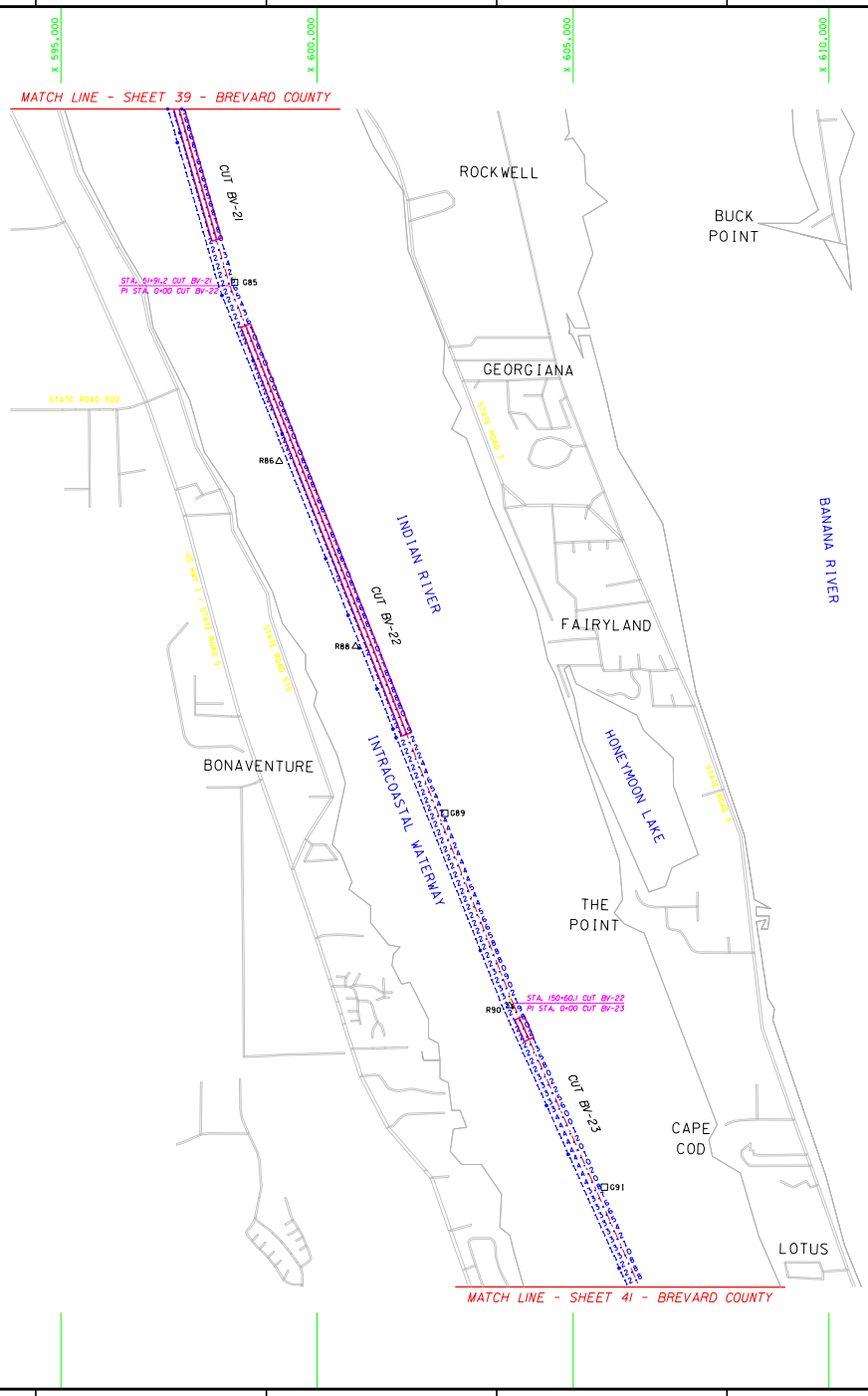
File name: a314SH39.DGN
Reference files: A314TB.DGN BRCWBASE.DGN A314SOL.DGN BRWCL2.DGN INDEX2.DGN

RECONNAISSANCE SURVEY OF THE INTRACOASTAL WATERWAY
ST. JOHNS RIVER, JACKSONVILLE TO MIAMI
12-FOOT PROJECT
BREVARD COUNTY
CUT BV-19 THRU CUT BV-21
PLAN

DRAWING NO.

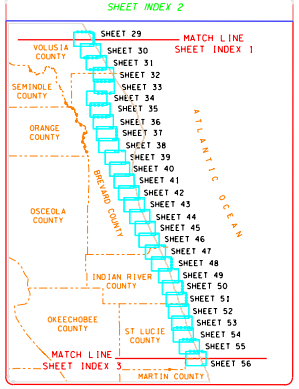
SHEET 39 OF 91

h:\iww\Dgn\a314SH39.dgn 10/16/00 01:17:51 PM

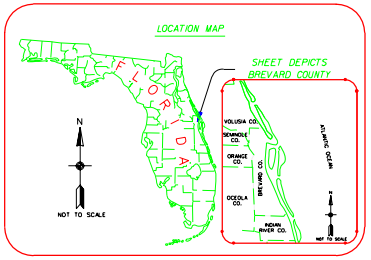


AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 27 (X)	(Y)	LATITUDE NAD 27	LONGITUDE NAD 27
G85	598,394	1,441,915	28°18'00.76"	080°41'39.25"
R86	599,262	1,438,419	28°17'26.12"	080°41'29.64"
R88	600,757	1,434,805	28°16'50.29"	080°41'13.02"
G89	602,498	1,431,546	28°16'17.98"	080°40'53.64"
R90	603,758	1,427,789	28°15'40.74"	080°40'39.66"
G91	605,612	1,424,247	28°15'05.62"	080°40'19.04"

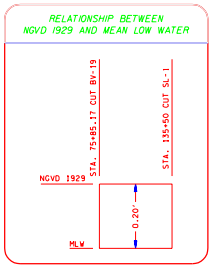
SHEET INDEX 2



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

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:
Designed by:
Dwn by: S.B.M.
Ckd by: K.C.J.
Dated: APRIL, 2000
D.O. FILE NO. 8-37-988

File name: A314SH40.DGN
Reference files: A314TB.DGN BRECVBASE.DGN A314SL.DGN BRECVSL.DGN INDEX2.DGN

RECONNAISSANCE SURVEY OF THE INTRACOASTAL WATERWAY
ST. JOHNS RIVER, JACKSONVILLE TO MIAMI
12-FOOT PROJECT
BREVARD COUNTY
CUT BV-23 THRU CUT BV-23
PLAN

DRAWING NO.

SHEET 40 OF 91

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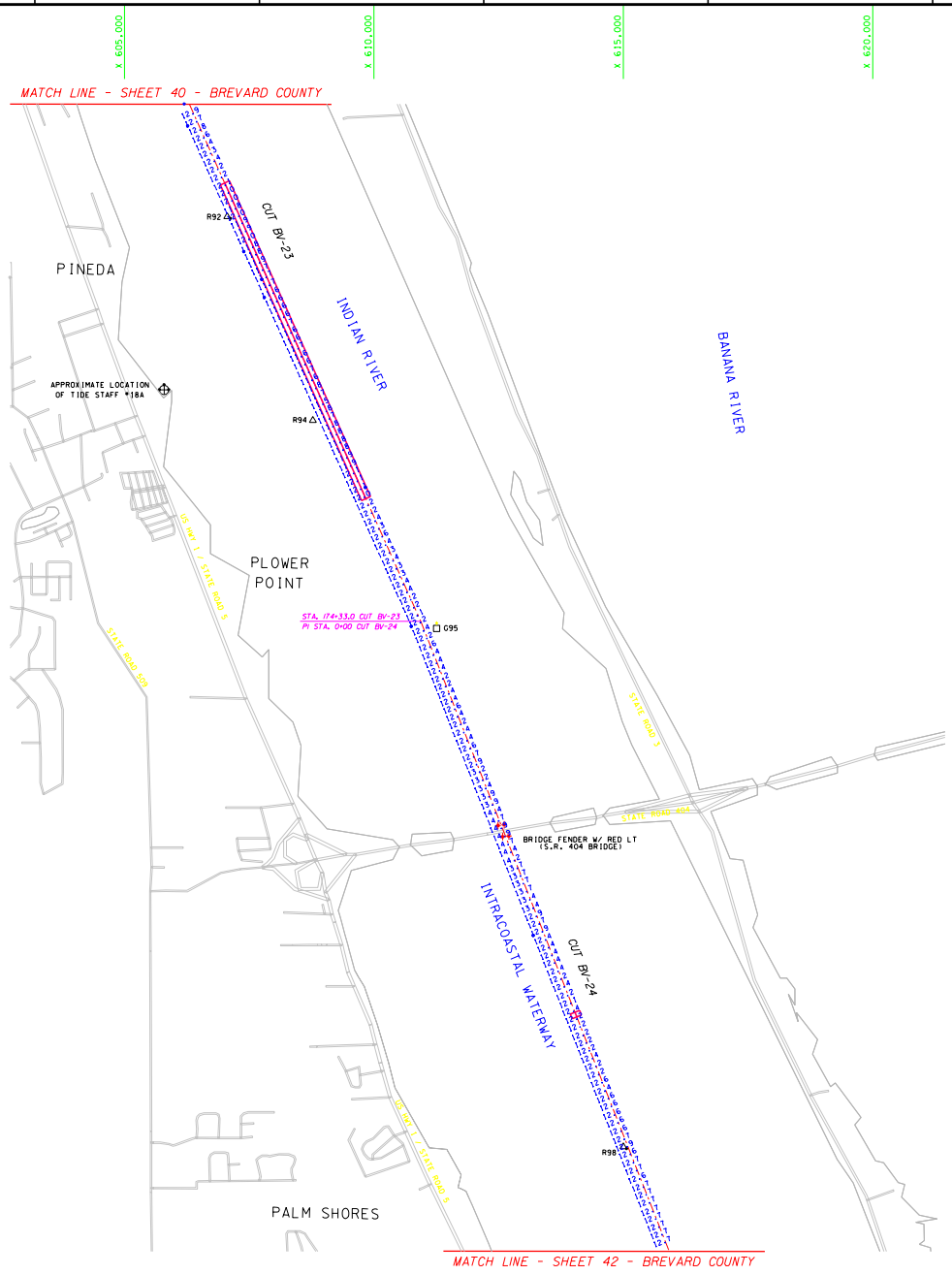
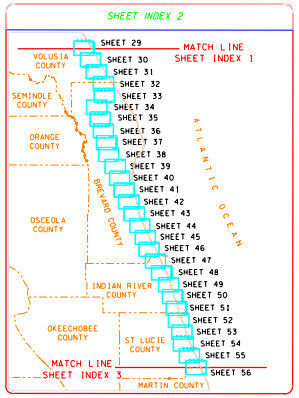


AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 27 (X)	(Y)	LATITUDE NAD 27	LONGITUDE NAD 27
R92	607,056	1,420,045	28°14'23.98"	080°40'03.02"
R94	608,775	1,415,958	28°13'43.46"	080°39'43.93"
G95	611,257	1,411,787	28°13'02.09"	080°39'16.31"
R98	615,001	1,401,390	28°11'19.03"	080°38'34.80"

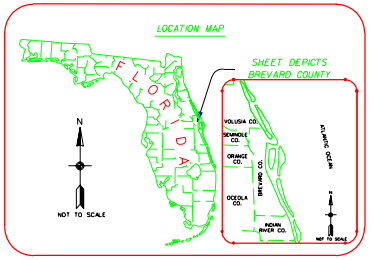
TIDE STAFF TABULATION

TIDE STAFF DESIGNATION	REFERENCE MONUMENT DESCRIPTION	EL FEET (NGVD)
TIDE STAFF NO. 18A	USC&GS "P 229 1965"	5.27
	USC&GS "F 229 1964"	7.51

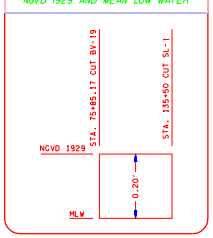
SHEET INDEX 2



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

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: | Inv. No. DACW17-98-D-0004
Dwn by: S.B.M. | Ckd by: K.C.J. | Scale: AS SHOWN
Plot date: | Plot scale:
Dated: APRIL, 2000
D.O.FILE NO. 8-37-988

File name: A314SH41.DGN
Reference files: A314TB.DGN BREVBASE.DGN A314SOG.DGN BREVCL.DGN INDEX2.DGN

RECONNAISSANCE SURVEY OF THE INTRACOASTAL WATERWAY
ST. JOHNS RIVER, JACKSONVILLE TO MIAMI
12-FOOT PROJECT
BREVARD COUNTY
CUT BV-23 THRU CUT BV-24
PLAN

DRAWING NO.

SHEET 41 OF 91

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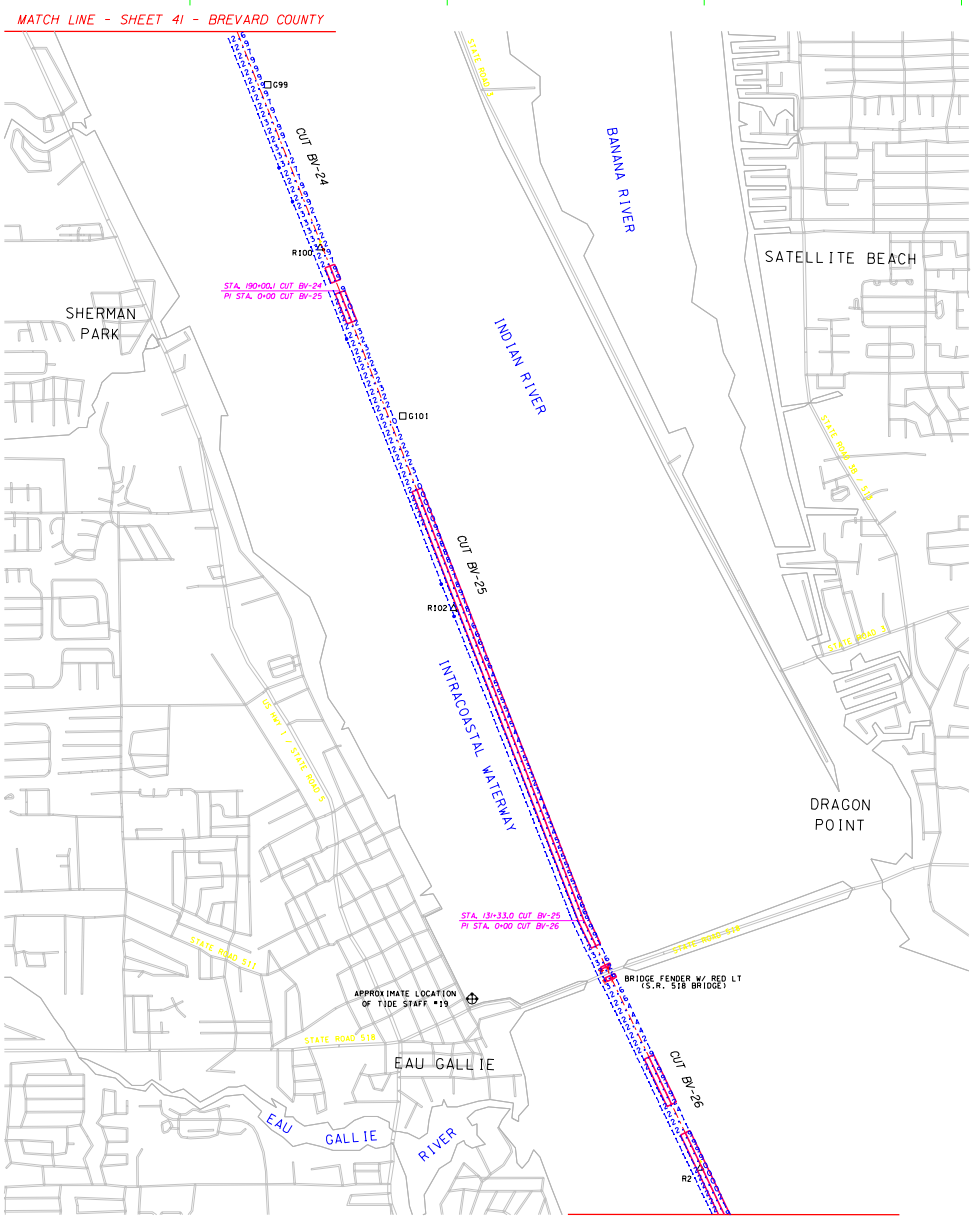
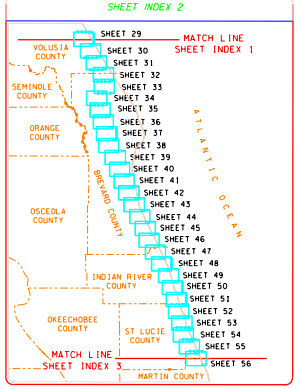


AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 27 (X)	(Y)	LATITUDE NAD 27	LONGITUDE NAD 27
G99	616,512	1,398,260	28°10'47.99"	080°38'18.02"
R100	617,535	1,395,086	28°10'16.53"	080°38'06.70"
G101	619,138	1,391,818	28°09'44.12"	080°37'48.90"
R102	620,129	1,388,075	28°09'07.01"	080°37'37.95"
R2	624,924	1,377,197	28°07'19.17"	080°36'44.77"

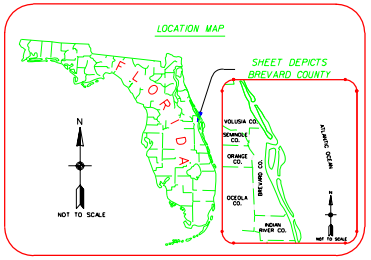
TIDE STAFF TABULATION

TIDE STAFF DESIGNATION	REFERENCE MONUMENT DESCRIPTION	EL FEET (NGVD)
TIDE STAFF NO. 19	USC&GS "COLLEGE 2 1906 1930 1934"	2.79
	USC&GS "COLLEGE 2 NO 3 RESET 1965"	5.45

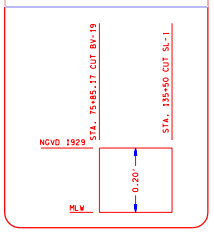
SHEET INDEX 2



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

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

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

Dated APRIL, 2000

D.O. FILE NO. 8-37-988

File name: A314SH42.DGN
Reference files: A314TB.DGN BRECYBASE.DGN A314SL.DGN BRECYCL.DGN INDEX2.DGN

RECONNAISSANCE SURVEY OF THE INTRACOASTAL WATERWAY
ST. JOHNS RIVER, JACKSONVILLE TO MIAMI
12-FOOT PROJECT
BREVARD COUNTY
CUT BV-24 THRU CUT BV-26
PLAN

DRAWING NO.

SHEET 42 OF 91

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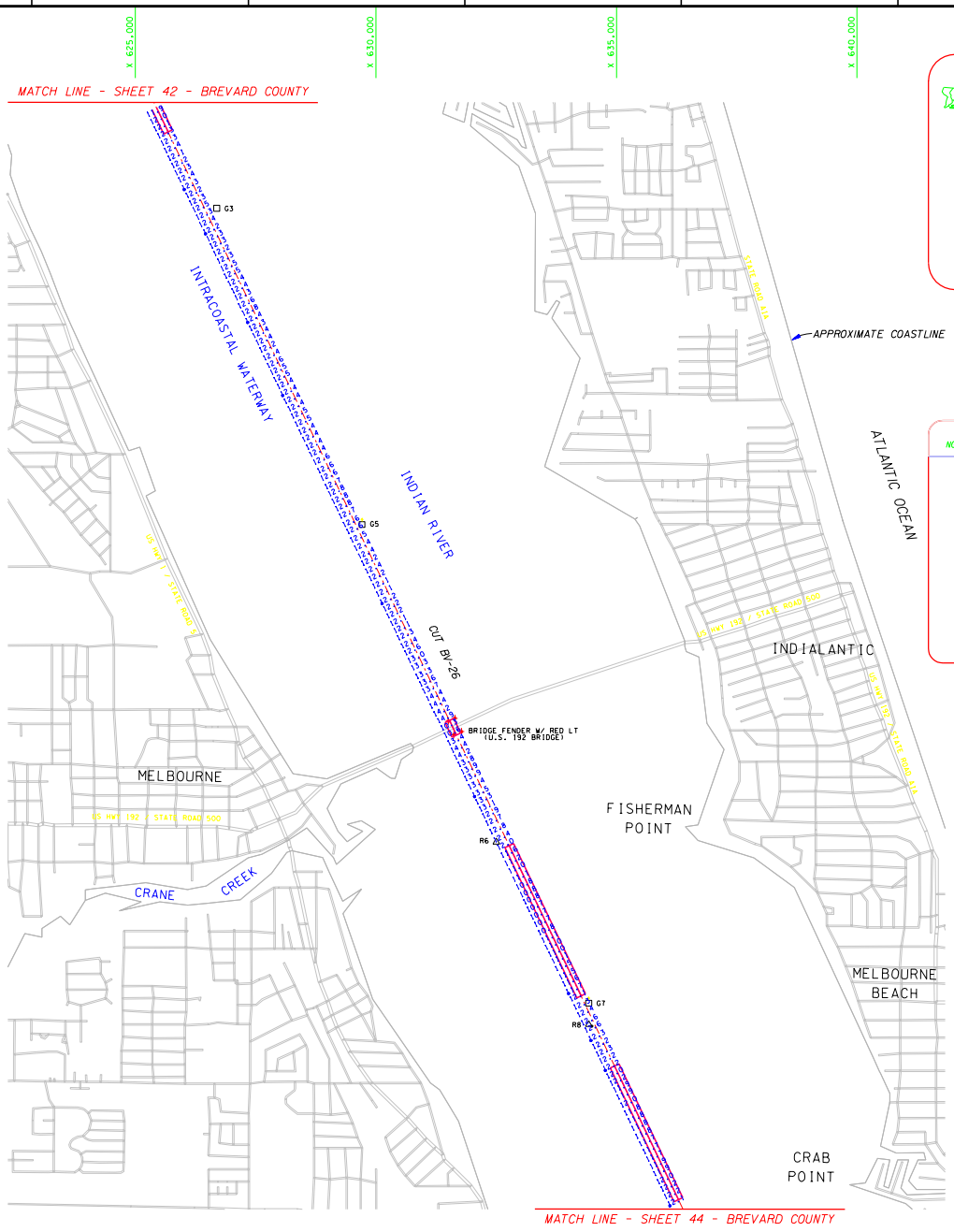
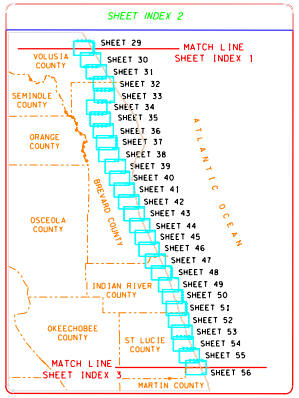
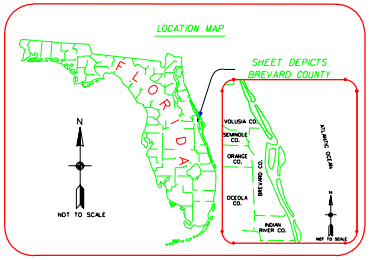


AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 27 (X)	(Y)	LATITUDE NAD 27	LONGITUDE NAD 27
G3	626,690	1,374,095	28°06'48.40"	080°36'25.16"
G5	629,712	1,367,519	28°05'43.18"	080°35'51.66"
R6	632,504	1,360,921	28°04'37.75"	080°35'20.73"
G7	634,422	1,357,571	28°04'04.52"	080°34'59.45"
R8	634,426	1,357,130	28°04'00.15"	080°34'59.42"

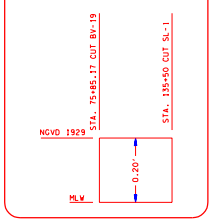
SHEET INDEX 2



LOCATION MAP



RELATIONSHIP BETWEEN NGVD 1929 AND MEAN LOW WATER



SURVEY LEGEND

	TIDE STAFF
LIGHT / BELL	FLOATING BOUY
△	RED STATIONARY BEACON
□	GREEN STATIONARY 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

Dwg. No. DACW17-98-D-0004
Scale: AS SHOWN
Designed by: Scale factor:
Dwn by: S.B.M. Chd by: K.C.J. Plot scale:
Dated APRIL, 2000
D.O.FILE NO. 8-37-988

File name: A314SH43.DGN
References files: A314TB.DGN BRCVBASE.DGN A314SGL.DGN BRWCL.DGN INDEX2.DGN

RECONNAISSANCE SURVEY OF THE
INTRACOASTAL WATERWAY
ST. JOHNS RIVER, JACKSONVILLE TO MIAMI
12-FOOT PROJECT
BREVARD COUNTY
CUT BV-26
PLAN

DRAWING NO.

SHEET 43 OF 91

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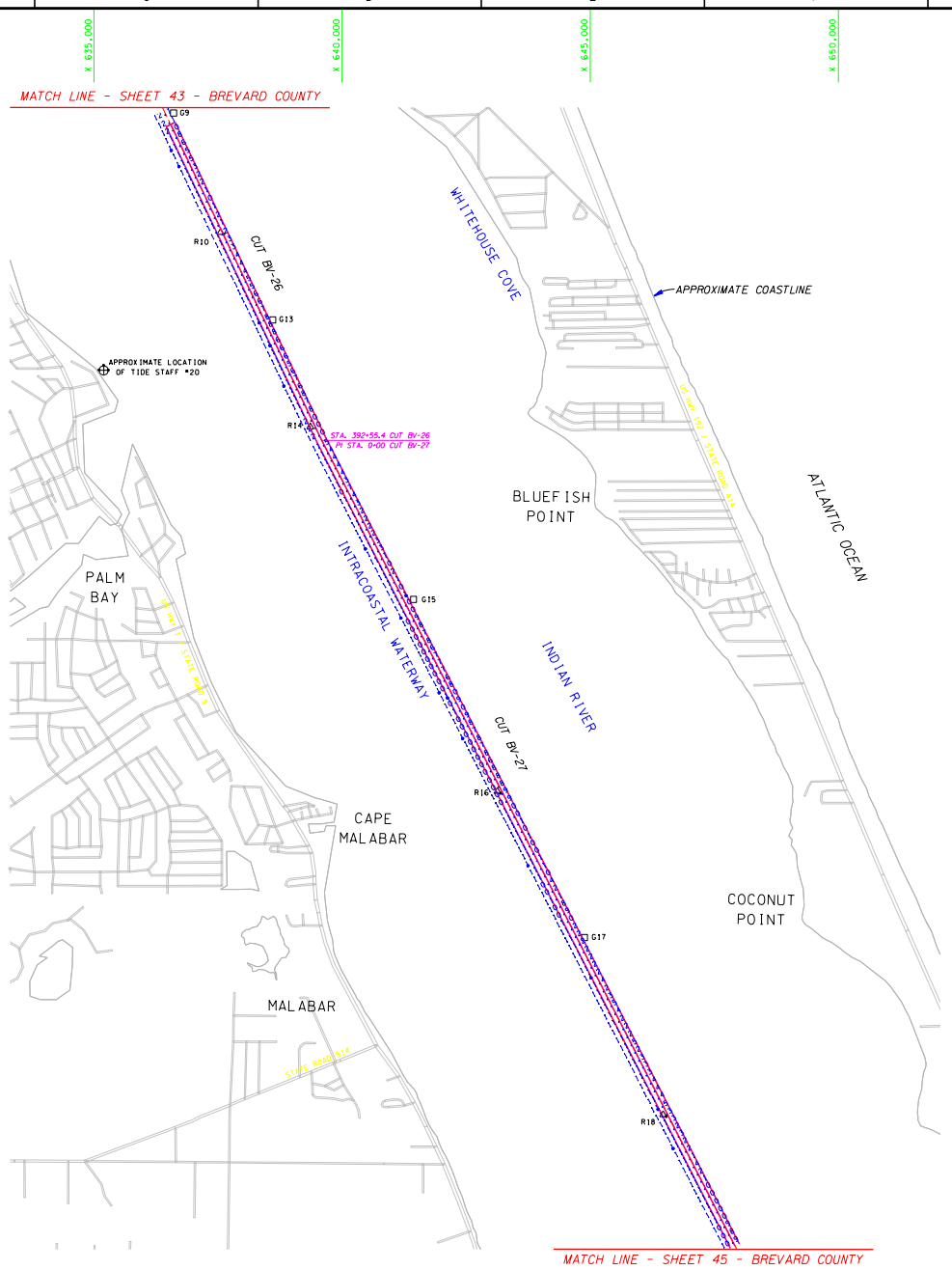
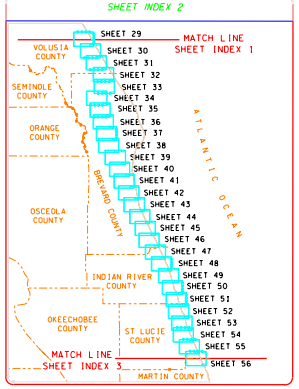


AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 27 (X)	(Y)	LATITUDE NAD 27	LONGITUDE NAD 27
G9	636,603	1,353,184	28°03'21.00"	080°34'35.27"
R10	637,546	1,350,777	28°02'57.14"	080°34'24.84"
G13	638,602	1,349,015	28°02'39.65"	080°34'13.12"
R14	639,356	1,346,859	28°02'18.28"	080°34'04.79"
G15	641,440	1,343,382	28°01'43.77"	080°33'41.68"
R16	643,128	1,339,512	28°01'05.39"	080°33'23.00"
G17	644,886	1,336,568	28°00'36.17"	080°33'03.50"
R18	646,470	1,333,003	28°00'00.82"	080°32'45.98"

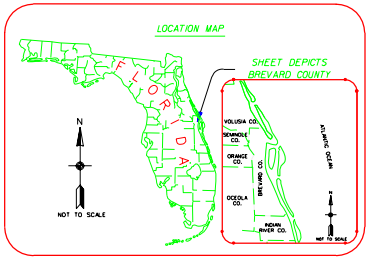
TIDE STAFF TABULATION

TIDE STAFF DESIGNATION	REFERENCE MONUMENT DESCRIPTION	EL FEET (NGVD)
TIDE STAFF NO. 20	USC&GS "NO 1 1972"	2.31
	USC&GS "NO 3 1972"	3.30

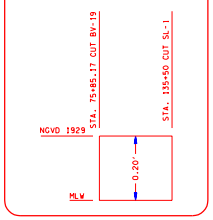
SHEET INDEX 2



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

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
Scale factor:
Plot scale:
Dated: APRIL, 2000
D.O.FILE NO. 8-37-988

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

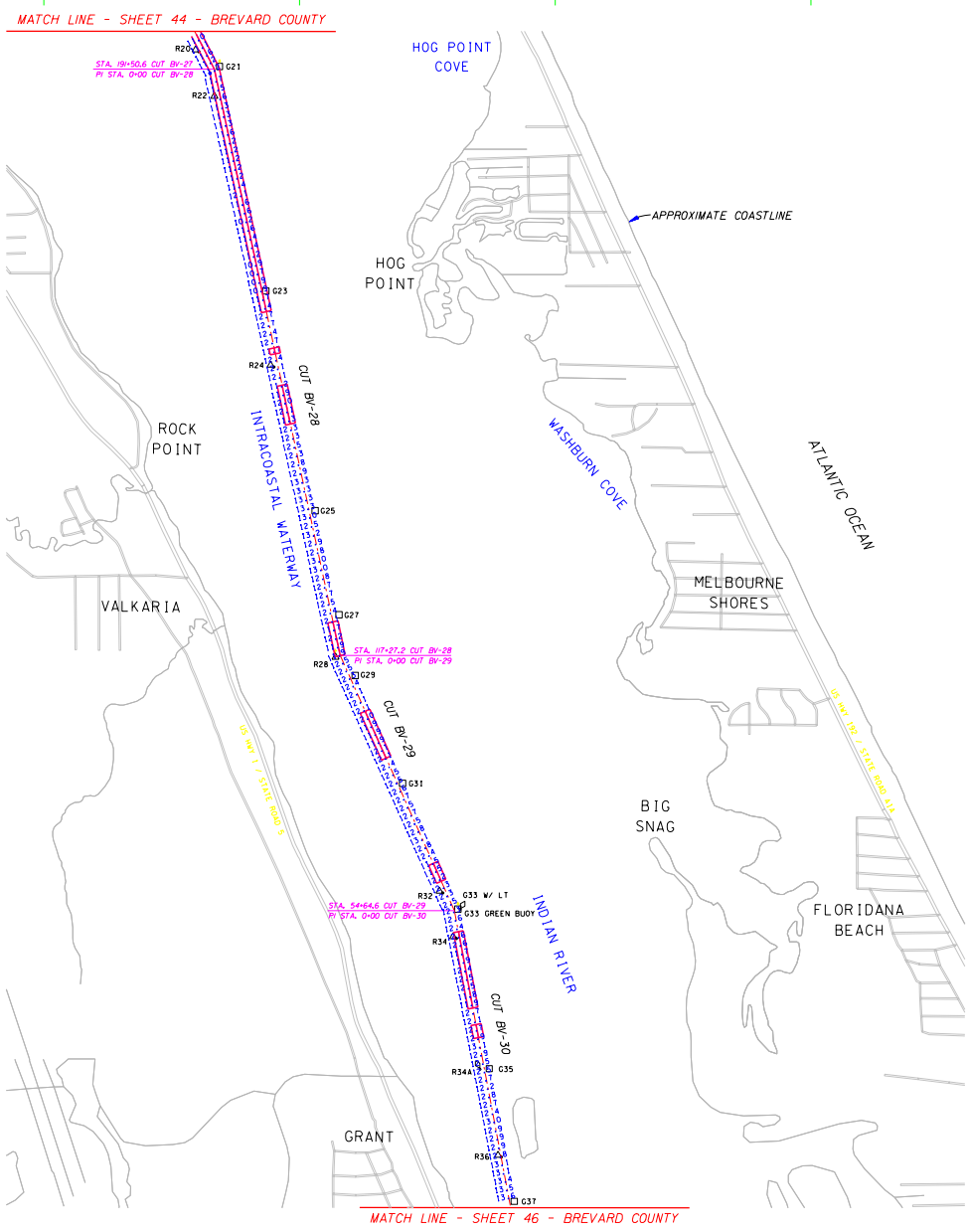
File name: A314SH44.DGN
Reference files: A314TB.DGN BREVBASE.DGN A314SL.DGN BREVSL.DGN INDEX2.DGN

RECONNAISSANCE SURVEY OF THE
INTRACOASTAL WATERWAY
ST. JOHNS RIVER, JACKSONVILLE TO MIAMI
12-FOOT PROJECT
BREVARD COUNTY
CUT BV-26 THRU CUT BV-27
PLAN

DRAWING NO.

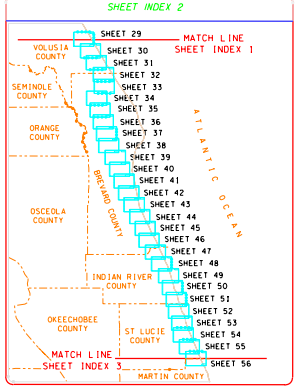
SHEET 44 OF 91

h:\iww\Dgn\a314SH44.dgn 10/16/00 01:14:30 PM

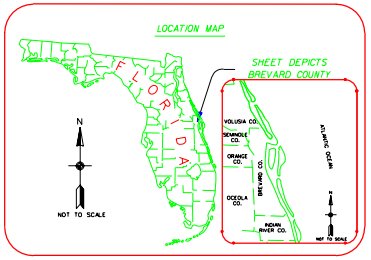


AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 27 (X)	(Y)	LATITUDE NAD 27	LONGITUDE NAD 27
R20	647,962	1,329,925	27°59'30.28"	080°32'29.47"
G21	648,434	1,329,600	27°59'27.05"	080°32'24.21"
R22	648,329	1,329,022	27°59'21.33"	080°32'25.41"
G23	649,339	1,325,213	27°58'43.57"	080°32'14.30"
R24	649,435	1,323,759	27°58'29.17"	080°32'13.30"
G25	650,304	1,320,916	27°58'00.98"	080°32'03.72"
G27	650,768	1,318,883	27°57'40.84"	080°31'58.64"
R28	650,702	1,318,053	27°57'32.62"	080°31'59.41"
G29	651,086	1,317,694	27°57'29.05"	080°31'55.14"
G31	652,014	1,315,583	27°57'08.11"	080°31'44.88"
R32	652,734	1,313,476	27°56'47.22"	080°31'36.95"
G33	653,097	1,313,128	27°56'43.76"	080°31'32.91"
G33	653,139	1,313,118	27°56'43.66"	080°31'32.44"
R34	653,005	1,312,589	27°56'38.43"	080°31'33.96"
G35	653,708	1,310,006	27°56'12.82"	080°31'26.24"
R34A	653,533	1,309,999	27°56'12.76"	080°31'28.19"
R36	653,878	1,308,315	27°55'56.07"	080°31'24.41"
G37	654,199	1,307,412	27°55'47.12"	080°31'20.87"

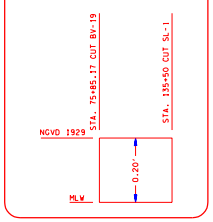
SHEET INDEX 2



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

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 Pen table:
Plot scale:

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

Dated APRIL, 2000

D.O.FILE NO. 8-37-988

File name: A314SH45.DGN
Reference files: A314TB.DGN BRCVBASE.DGN A314SL.DGN BRCVSL.DGN INDEX2.DGN

RECONNAISSANCE SURVEY OF THE INTRACOASTAL WATERWAY
ST. JOHNS RIVER, JACKSONVILLE TO MIAMI
12-FOOT PROJECT
BREVARD COUNTY
CUT BV-27 THRU CUT BV-30
PLAN

DRAWING NO.

SHEET 45 OF 91

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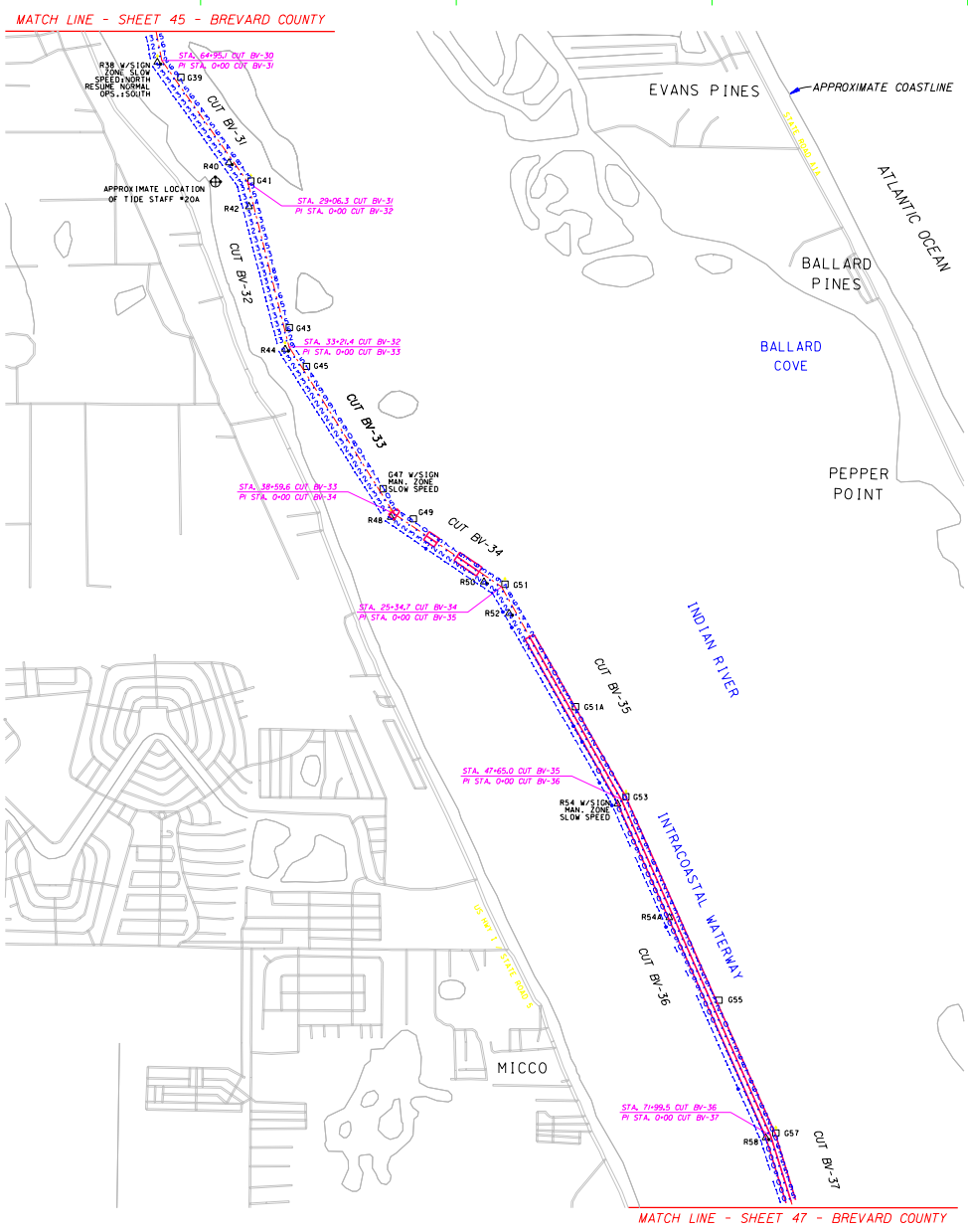
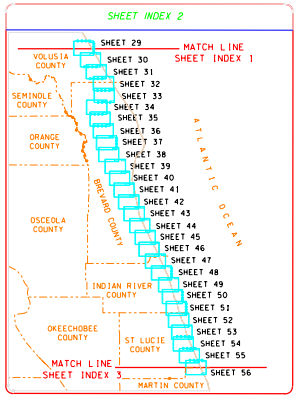
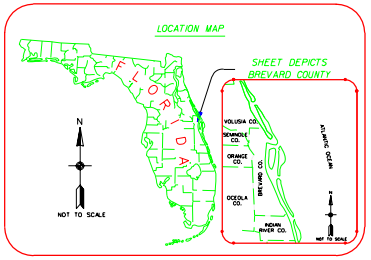


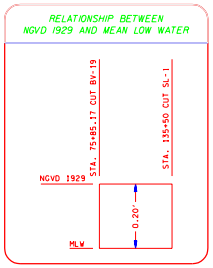
AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 27 (X)	(Y)	LATITUDE NAD 27	LONGITUDE NAD 27
R38	654,154	1,306,681	27°55'39.88"	080°31'21.41"
G39	654,614	1,306,387	27°55'36.95"	080°31'16.29"
R40	655,551	1,304,716	27°55'20.37"	080°31'05.92"
G41	655,984	1,304,361	27°55'16.83"	080°31'01.11"
R42	655,943	1,303,862	27°55'11.90"	080°31'01.59"
G43	656,735	1,301,495	27°54'48.43"	080°30'52.86"
R44	656,650	1,301,015	27°54'44.25"	080°30'53.83"
G45	657,070	1,300,736	27°54'40.90"	080°30'49.16"
G47	658,568	1,298,344	27°54'17.15"	080°30'32.57"
R48	658,716	1,297,785	27°54'11.61"	080°30'30.95"
G49	659,158	1,297,756	27°54'11.30"	080°30'26.02"
R50	660,538	1,296,524	27°53'59.05"	080°30'10.70"
G51	660,951	1,296,476	27°53'58.56"	080°30'06.10"
R52	661,032	1,295,905	27°53'52.90"	080°30'05.22"
G51A	662,333	1,294,081	27°53'34.79"	080°29'50.80"
G53	663,319	1,292,321	27°53'17.32"	080°29'39.90"
R54	663,150	1,292,181	27°53'15.94"	080°29'41.79"
R54A	664,164	1,289,958	27°52'53.88"	080°29'30.59"
G55	665,137	1,288,343	27°52'37.85"	080°29'19.82"
G57	666,251	1,285,747	27°52'12.10"	080°29'07.53"
R58	666,052	1,285,656	27°52'11.21"	080°29'09.75"

TIDE STAFF TABULATION

TIDE STAFF DESIGNATION	REFERENCE MONUMENT DESCRIPTION	EL FEET (NGVD)
TIDE STAFF	USC&GS "U 227 1965"	5.23
NO. 20A	USC&GS "J 33 1933"	7.54







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

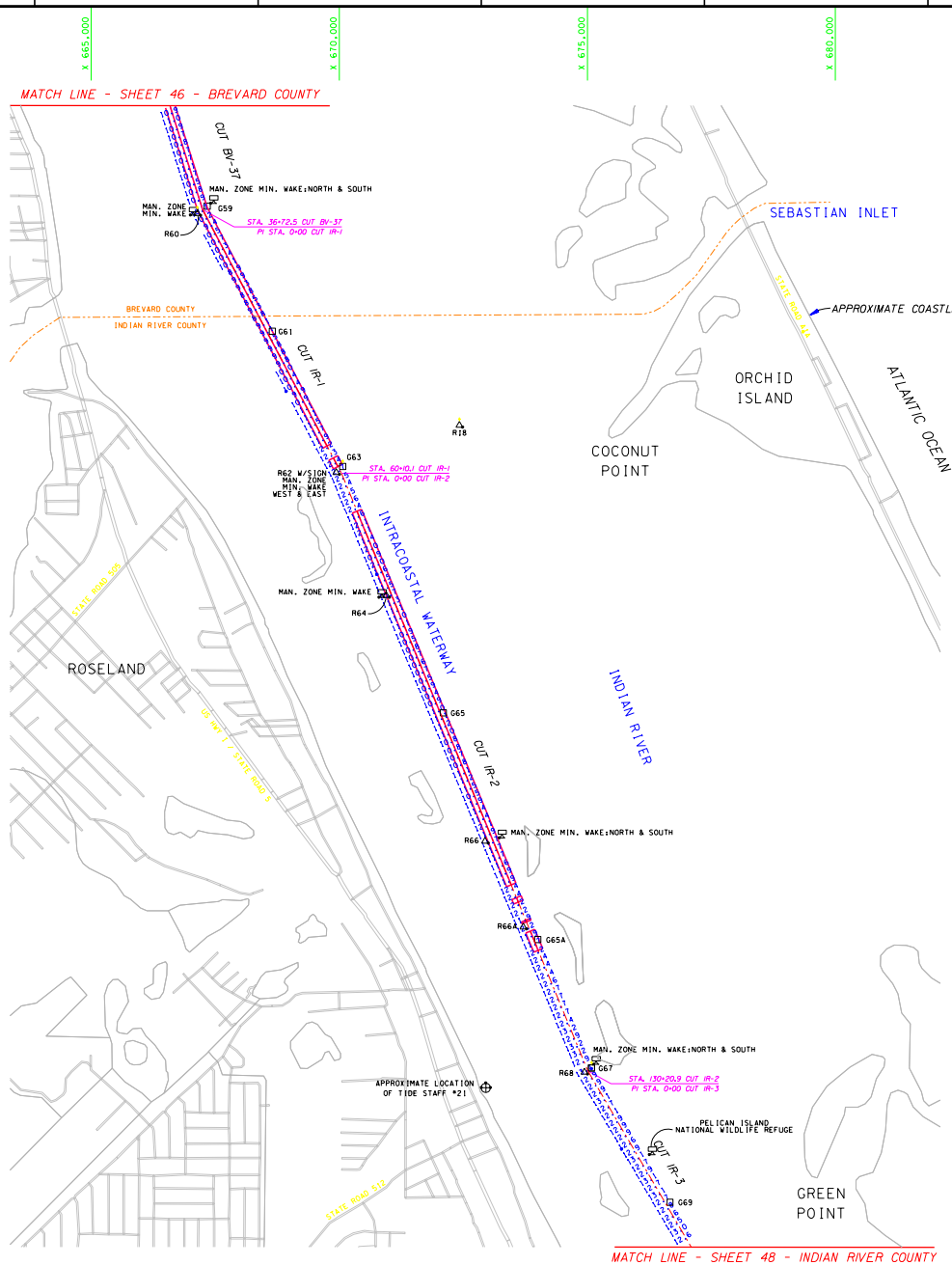
Inv. No. DACW17-98-D-0004
Scale: AS SHOWN
Designed by: S.B.M.
Drawn by: S.B.M.
Checked by: K.C.J.
Plotted: APRIL, 2000
D.O. FILE NO. 8-37-988

File name: RECONNAISSANCE SURVEY OF THE INTRACOASTAL WATERWAY
Reference files: A314TB.DGN, A314SL.DGN, BREVBASE.DGN, A314SH.DGN, INDEX2.DGN

RECONNAISSANCE SURVEY OF THE INTRACOASTAL WATERWAY
ST. JOHNS RIVER, JACKSONVILLE TO MIAMI
12-FOOT PROJECT
BREVARD COUNTY
CUT BV-30 THRU CUT BV-37
PLAN

DRAWING NO.

SHEET 46 OF 91

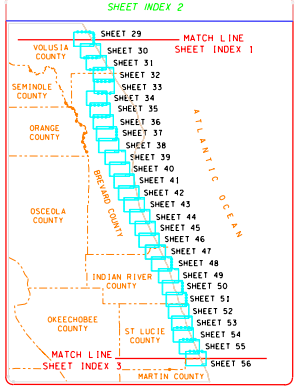


AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 27 (X)	(Y)	LATITUDE NAD 27	LONGITUDE NAD 27
G59	667,339	1,282,260	27°51'37.52"	080°28'55.57"
R60	667,139	1,282,112	27°51'36.07"	080°28'57.81"
G61	668,653	1,279,739	27°51'12.51"	080°28'41.05"
R18	672,423	1,277,846	27°50'53.60"	080°27'59.14"
G63	670,071	1,277,017	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"

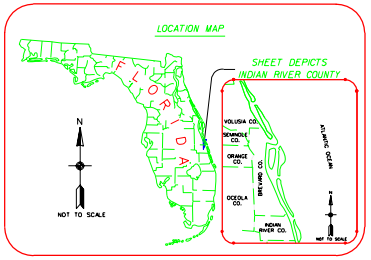
TIDE STAFF TABULATION

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

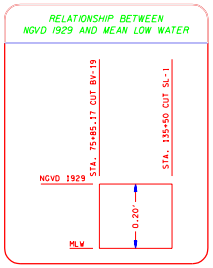
SHEET INDEX 2



LOCATION MAP



RELATIONSHIP BETWEEN NGVD 1929 AND MEAN LOW WATER



SURVEY LEGEND

	TIDE STAFF
	FLOATING BUOY
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	BRIDGE FENDER
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SCALE: 1"=1000'

NOTES:
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JACKSONVILLE, FLORIDA

SEA SYSTEMS CORPORATION
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Inv. No. DACW17-98-D-0004
Scale: AS SHOWN
Designed by: Drawn by: S.B.M. Checked by: K.C.J.
Plot scale: Plot center:
Dated: APRIL, 2000
D.O.FILE NO. 8-37-988

File name: A314SH47.DGN
Reference files: A314TB.DGN BREVBASE.DGN A314SL.DGN BREVSL.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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