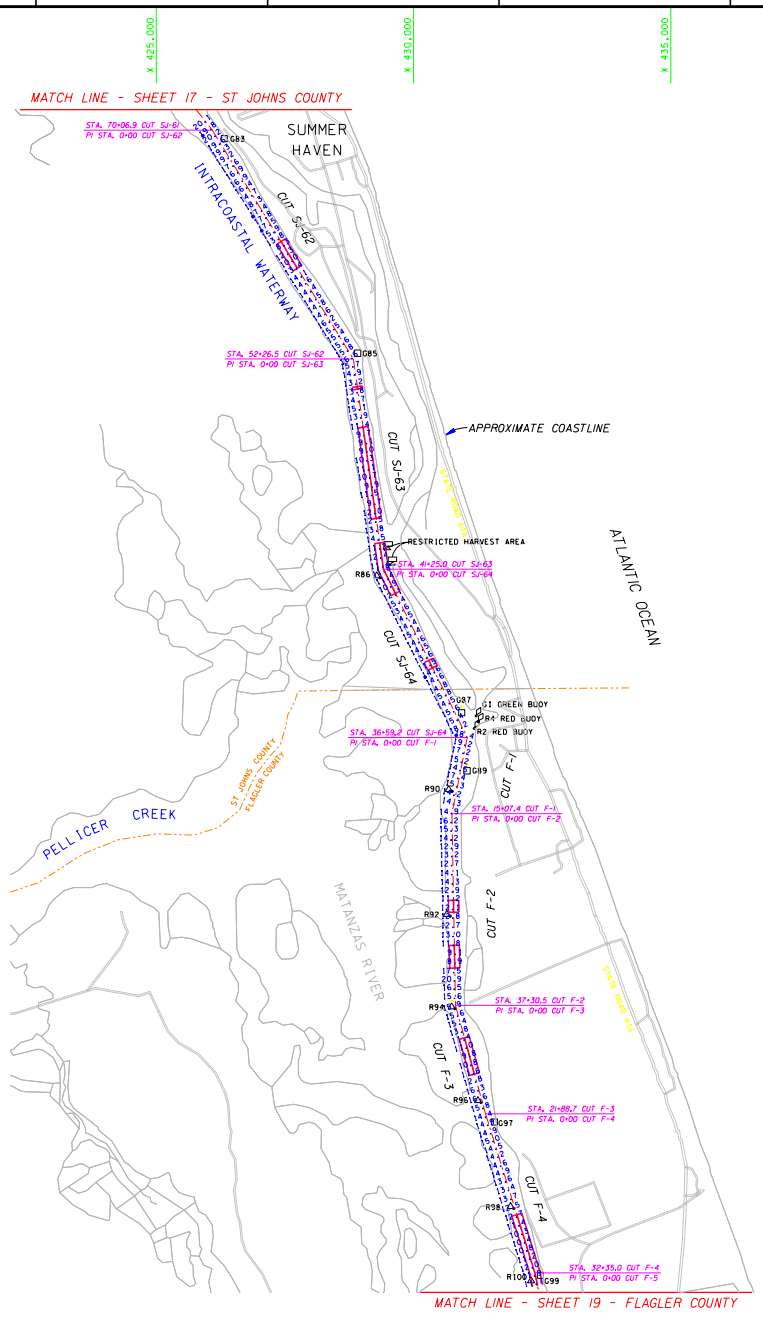
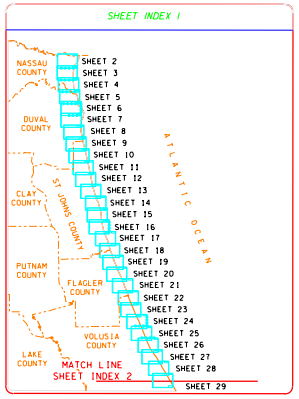
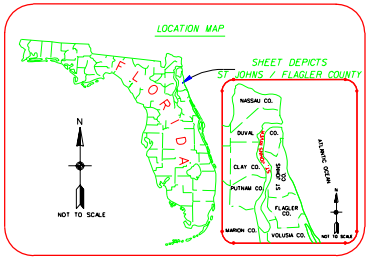


AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 27 (X)	(Y)	LATITUDE NAD 27	LONGITUDE NAD 27
G83	426,320	1,950,130	29°41'59.05"	081°13'55.44"
G85	428,913	1,946,559	29°41'17.81"	081°13'25.95"
R86	429,282	1,942,230	29°40'34.96"	081°13'21.67"
G87	430,936	1,939,569	29°40'08.64"	081°13'02.86"
G1	431,216	1,939,509	29°40'08.06"	081°12'59.69"
R4	431,254	1,939,396	29°40'06.94"	081°12'59.26"
R2	431,182	1,939,266	29°40'05.65"	081°13'00.07"
G89	431,039	1,938,441	29°39'57.48"	081°13'01.67"
R90	430,685	1,938,015	29°39'53.85"	081°13'05.68"
R92	430,647	1,935,646	29°39'29.80"	081°13'06.06"
R94	430,739	1,933,851	29°39'12.03"	081°13'04.98"
R96	431,249	1,932,026	29°38'53.97"	081°12'59.16"
G97	431,570	1,931,611	29°38'49.87"	081°12'55.51"
R98	431,883	1,929,968	29°38'33.61"	081°12'51.93"
G99	432,466	1,928,632	29°38'20.40"	081°12'45.29"
R100	432,285	1,928,526	29°38'19.34"	081°12'47.34"

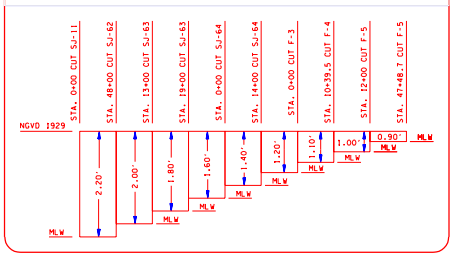
SHEET INDEX 1



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: A314SH18.DGN
References files: A314SH18.DGN, S1JBRIDGE.DGN, A314L18.DGN, A314SECT.DGN, A314SECT.DGN, S1JCL.DGN, NADCELL.DGN

RECONNAISSANCE SURVEY OF THE INTRACOASTAL WATERWAY
ST. JOHNS RIVER, JACKSONVILLE TO MIAMI
12-FOOT PROJECT
ST. JOHNS AND FLAGLER COUNTY
CUT SJ-61 THRU CUT F-5
PLAN

DRAWING NO.

SHEET 18 OF 91

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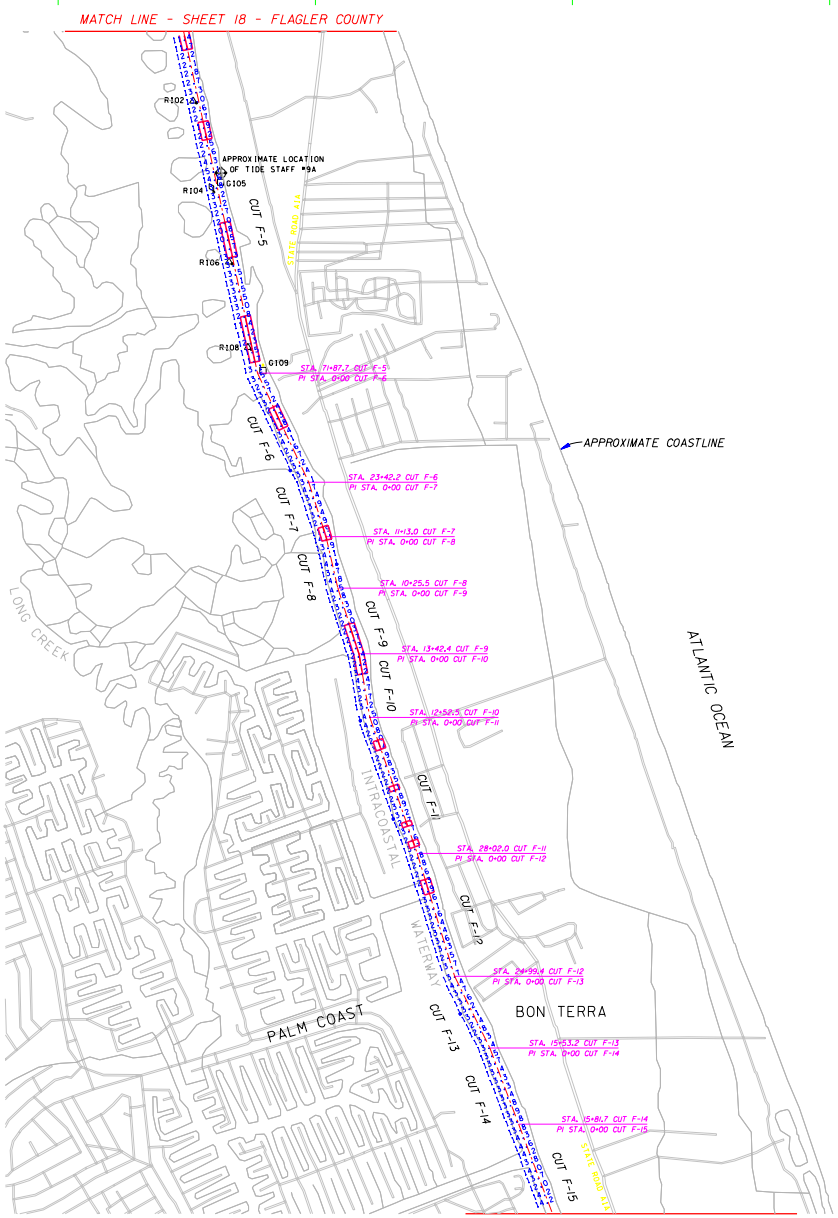
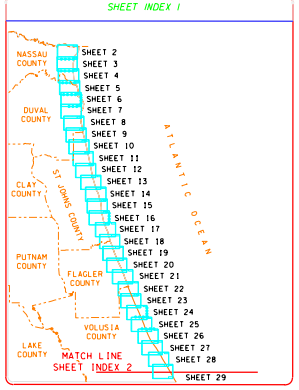


AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 27 (X)	(Y)	LATITUDE NAD 27	LONGITUDE NAD 27
R102	432,628	1,926,946	29°38'03.71"	081°12'43.42"
G105	433,157	1,925,365	29°37'48.07"	081°12'37.40"
R104	433,032	1,925,176	29°37'46.19"	081°12'38.81"
R106	433,323	1,923,812	29°37'32.69"	081°12'35.48"
R108	433,692	1,922,154	29°37'16.29"	081°12'31.27"
G109	433,982	1,921,702	29°37'11.82"	081°12'27.97"

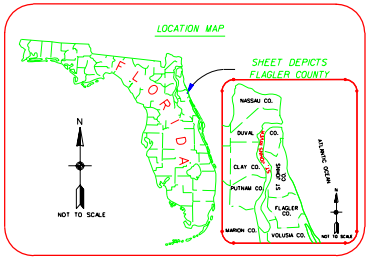
TIDE STAFF TABULATION

TIDE STAFF DESIGNATION	REFERENCE MONUMENT DESCRIPTION	EL FEET (NGVD)
TIDE STAFF NO. 9A	NOS "0729 A 1978"	5.44
	DNR "0729 B 1978 CLB"	9.78

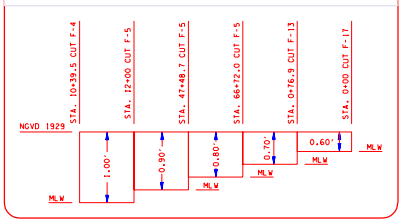
SHEET INDEX 1



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: 314SH19.DGN
Reference files: A314TB.DGN, FLAGBASE.DGN, A314SOL.DGN, FLAGSOL.DGN, INDEX1.DGN

RECONNAISSANCE SURVEY OF THE INTRACOASTAL WATERWAY
ST. JOHNS RIVER, JACKSONVILLE TO MIAMI
12-FOOT PROJECT
FLAGLER COUNTY
CUT F-5 THRU CUT F-15
PLAN

DRAWING NO.

SHEET 19 OF 91

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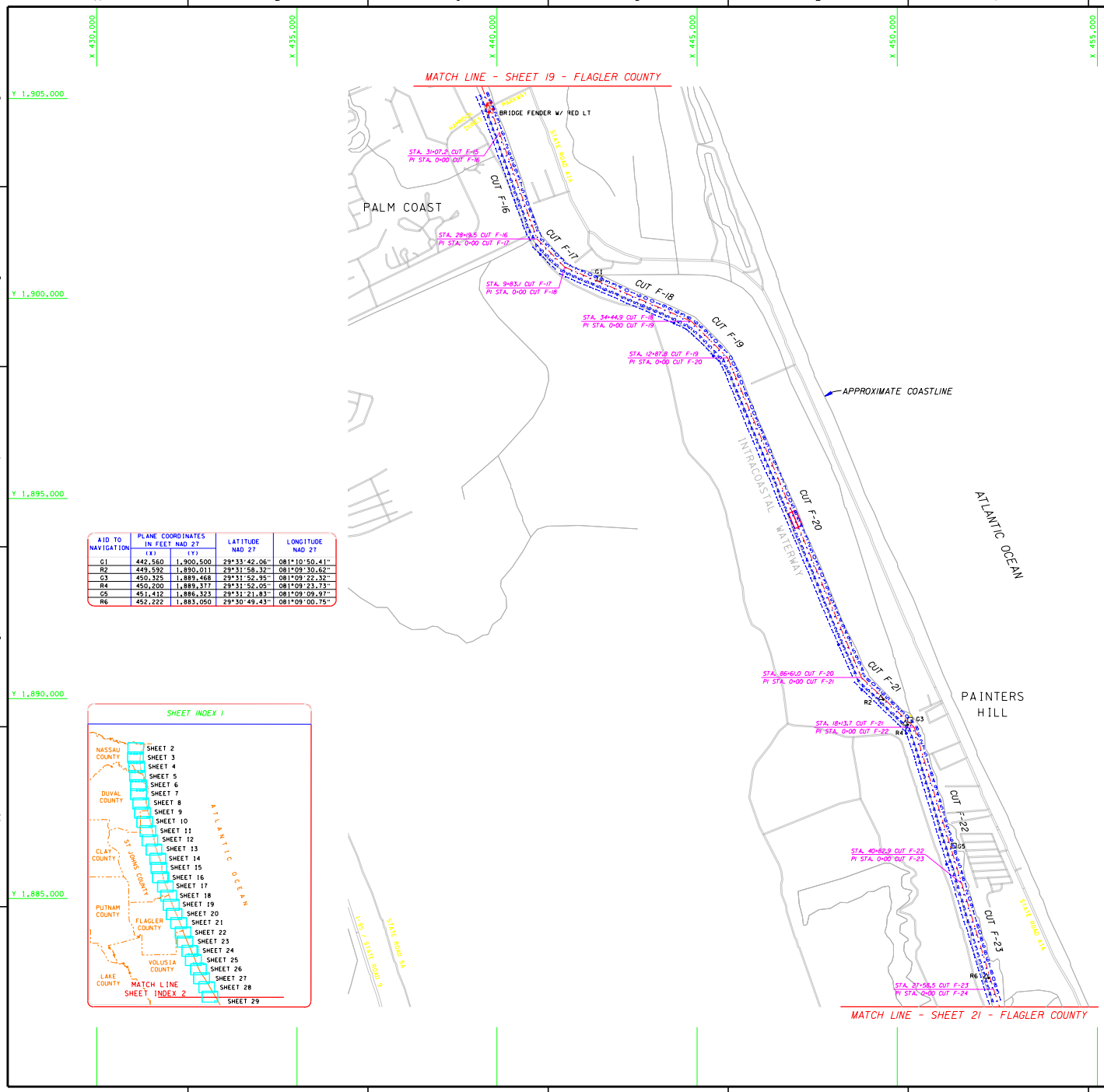
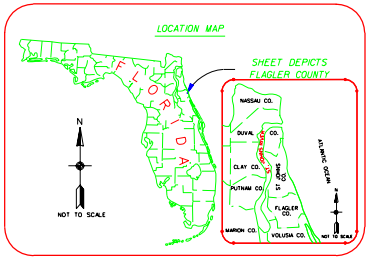
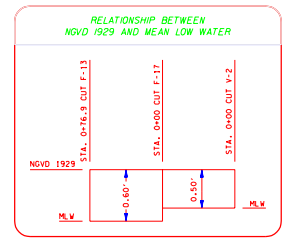


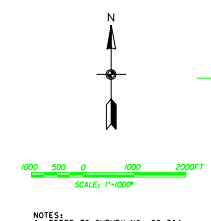
AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 27 (X)	(Y)	LATITUDE NAD 27	LONGITUDE NAD 27
G1	442,560	1,900,500	29°33'42.06"	081°10'50.41"
R2	449,592	1,890,011	29°31'58.32"	081°09'30.62"
G3	450,325	1,889,468	29°31'52.95"	081°09'22.32"
R4	450,200	1,889,377	29°31'52.05"	081°09'23.73"
G5	451,412	1,886,323	29°31'21.83"	081°09'09.97"
R6	452,222	1,883,050	29°30'49.43"	081°09'00.75"





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: | Inv. No. DACW17-98-0-0004
Dwn by: S.B.M. | Ckd by: K.C.J. | Scale: AS SHOWN
Reference files: A314TB.DGN, FLAGBASE.DGN, A314SOG.DGN, FLAGCL.DGN, INDEX1.DGN
Plot date: | Plot scale:
Dated: APRIL, 2000
D.O.FILE NO. 8-37-988

RECONNAISSANCE SURVEY OF THE INTRACOASTAL WATERWAY
ST. JOHNS RIVER, JACKSONVILLE TO MIAMI
12-FOOT PROJECT
FLAGLER COUNTY
CUT F-15 THRU CUT F-24
PLAN

DRAWING NO.

SHEET 20 OF 91

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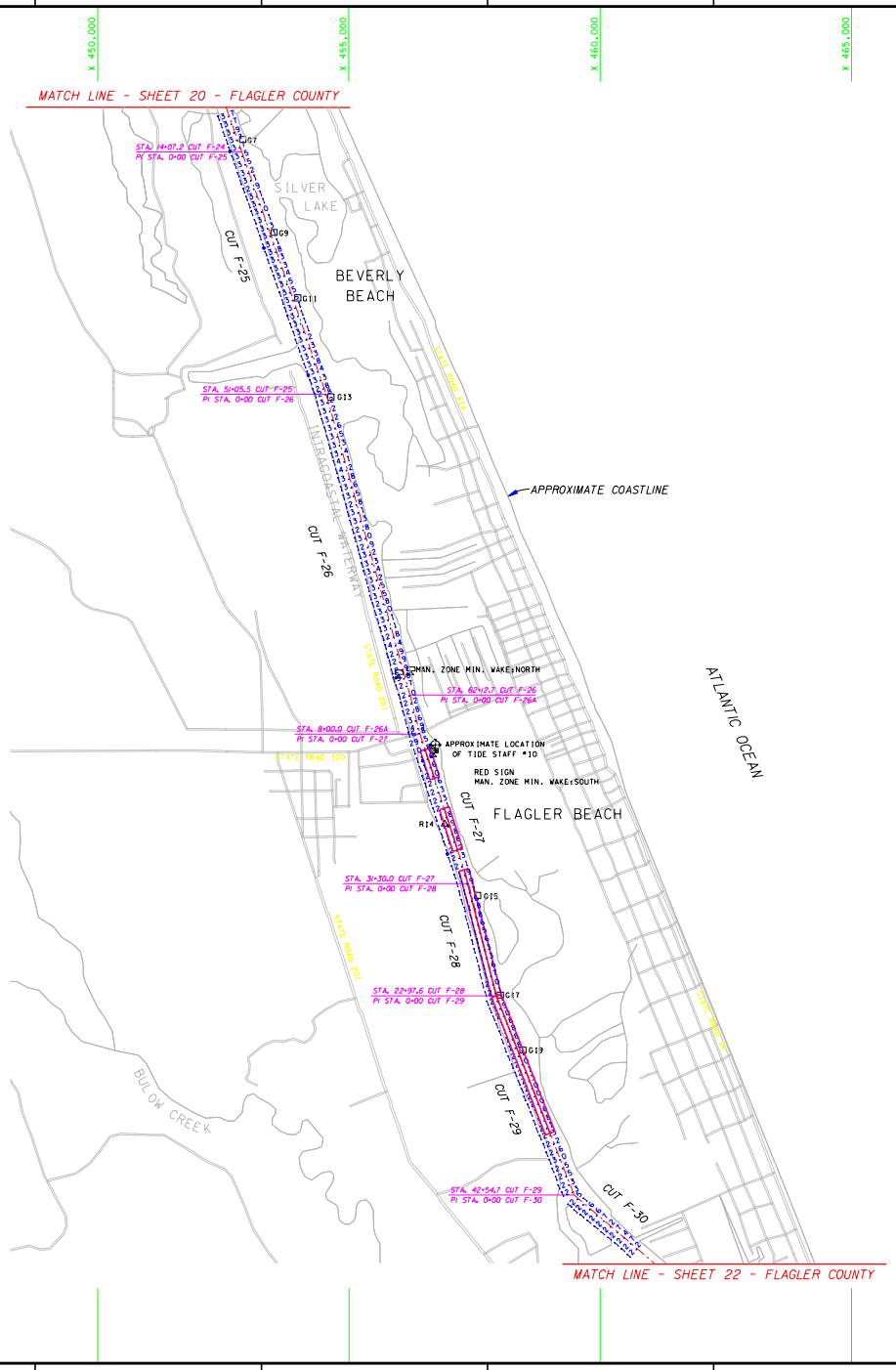
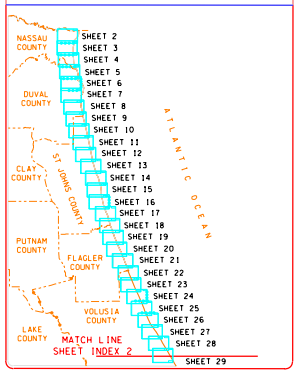


AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 27 (X)	(Y)	LATITUDE NAD 27	LONGITUDE NAD 27
G7	452,888	1,881,651	29°30'35.59"	081°08'53.19"
G9	453,514	1,879,803	29°30'17.31"	081°08'46.08"
G11	453,984	1,878,499	29°30'04.40"	081°08'40.74"
G13	454,642	1,876,526	29°29'44.88"	081°08'33.27"
R14	456,907	1,868,030	29°28'20.79"	081°08'07.53"
G15	457,563	1,866,610	29°28'06.74"	081°08'00.09"
G17	458,014	1,864,628	29°27'47.12"	081°07'54.96"
G19	458,463	1,863,534	29°27'36.30"	081°07'49.87"

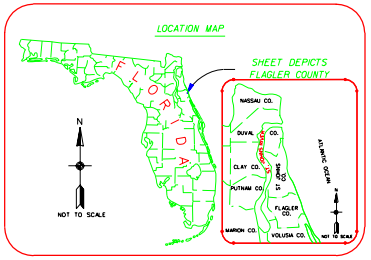
TIDE STAFF TABULATION

TIDE STAFF DESIGNATION	REFERENCE MONUMENT DESCRIPTION	EL FEET (NGVD)
TIDE STAFF NO. 10	NOS "0833 A 1978"	5.42
	FLORIDA SRD "7377 A 08 RM NO 1"	18.49

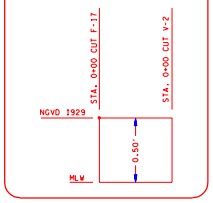
SHEET INDEX 1



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. 8-37-988

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

File name: FLAGLER.DGN
Reference files: A314TB.DGN, FLAGBASE.DGN, A314SOL.DGN, FLAGSOL.DGN, INDEX.DGN

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

DRAWING NO.

SHEET 21 OF 91

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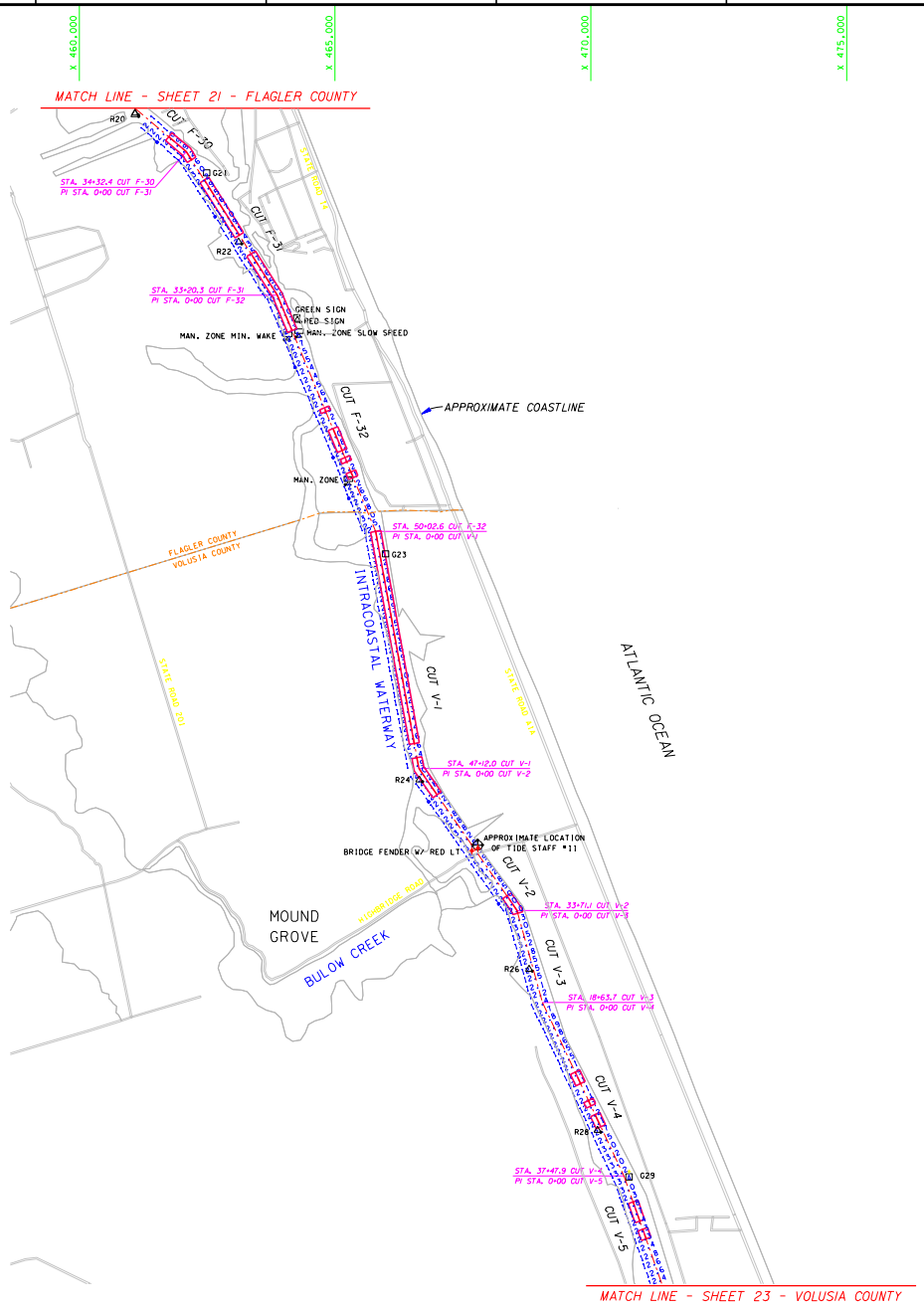
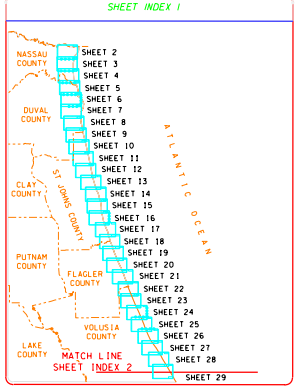


AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 27 (X)	(Y)	LATITUDE NAD 27	LONGITUDE NAD 27
R20	461,089	1,859,181	29°26'53.23"	081°07'20.11"
G21	462,490	1,858,012	29°26'41.67"	081°07'04.25"
R22	463,110	1,856,662	29°26'28.31"	081°06'57.22"
G23	465,987	1,850,565	29°25'27.97"	081°06'24.62"
R24	466,647	1,846,149	29°24'44.26"	081°06'17.11"
R26	468,790	1,842,442	29°24'07.58"	081°05'52.85"
R28	470,129	1,839,298	29°23'36.46"	081°05'37.68"
G29	470,747	1,838,386	29°23'27.44"	081°05'30.68"

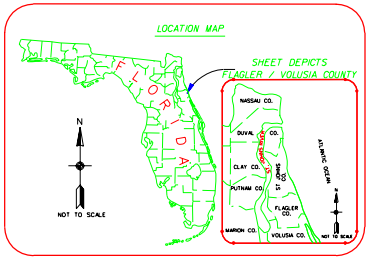
TIDE STAFF TABULATION

TIDE STAFF DESIGNATION	REFERENCE MONUMENT DESCRIPTION	EL FEET (NGVD)
TIDE STAFF NO. 11	USCAGS "N 319 1970"	19.33
	FLORIDA SRD "AB"	19.18

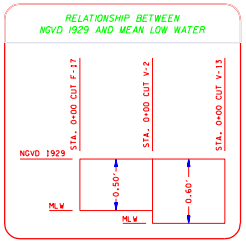
SHEET INDEX 1



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: a314SH22.DGN
Reference files: A314TB.DGN FLAGBASE.DGN A314SOL.DGN FLAGSOL.DGN VOLUBASE.DGN VOLUSOL.DGN ASCE1.DGN

RECONNAISSANCE SURVEY OF THE
INTRACOASTAL WATERWAY
ST. JOHNS RIVER, JACKSONVILLE TO MIAMI
12-FOOT PROJECT
FLAGLER AND VOLUSIA COUNTY
CUT F-30 THRU CUT V-5
PLAN

DRAWING NO.

SHEET 22 OF 91

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