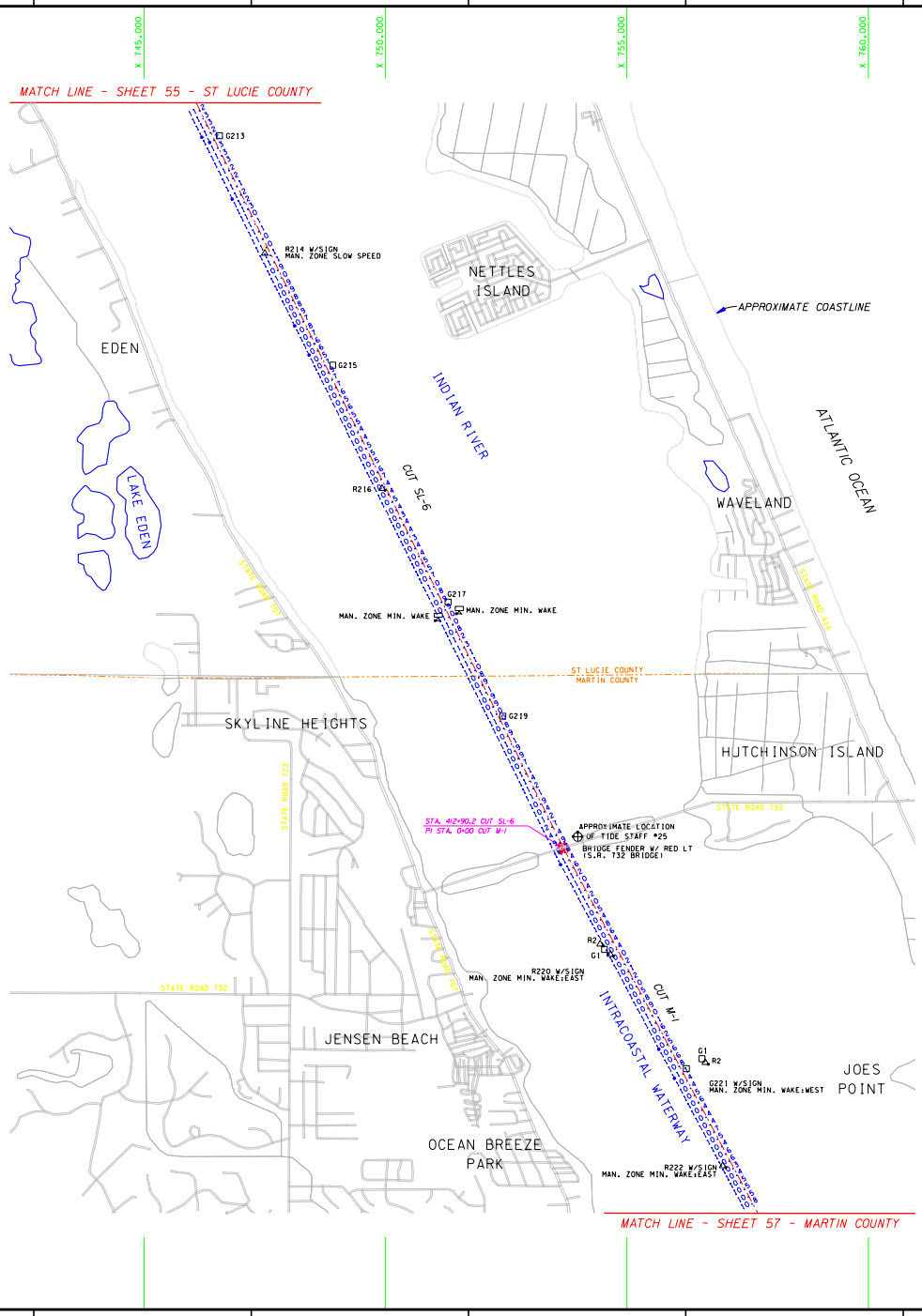
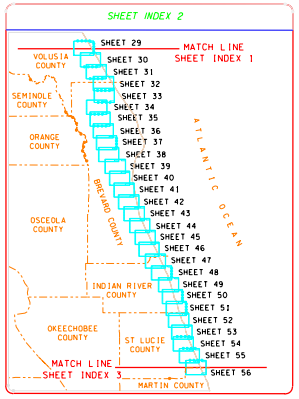


AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 27 (X)	(Y)	LATITUDE NAD 27	LONGITUDE NAD 27
G213	746,564	1,076,597	27°17'36.90"	080°14'26.99"
R214	747,500	1,074,159	27°17'12.70"	080°14'16.78"
G215	748,912	1,071,844	27°16'49.69"	080°14'01.28"
R216	749,930	1,069,287	27°16'24.31"	080°13'50.18"
G217	751,298	1,066,939	27°16'00.98"	080°13'35.18"
G219	752,431	1,064,574	27°15'37.49"	080°13'22.79"
R2	754,448	1,059,852	27°14'50.60"	080°13'00.77"
G1	754,536	1,059,743	27°14'49.52"	080°12'59.80"
R220	754,659	1,059,639	27°14'48.48"	080°12'58.44"
G1	756,553	1,057,477	27°14'26.95"	080°12'37.61"
R2	756,620	1,057,400	27°14'26.18"	080°12'36.87"
G221	756,232	1,057,273	27°14'24.95"	080°12'41.18"
R222	756,986	1,055,259	27°14'04.96"	080°12'32.97"

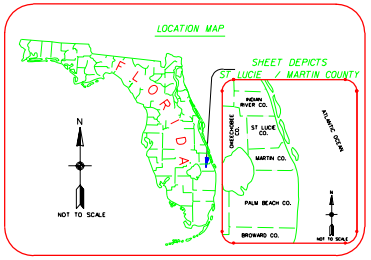
TIDE STAFF TABULATION

TIDE STAFF DESIGNATION	REFERENCE MONUMENT DESCRIPTION	EL FEET (NGVD)
TIDE STAFF NO. 25	COE "IWM 33 1970 JX FLA"	28.63
	COE "IWM 34 1970"	27.76

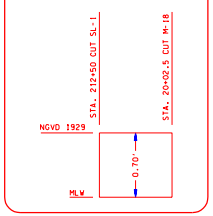
SHEET INDEX 2



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

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.

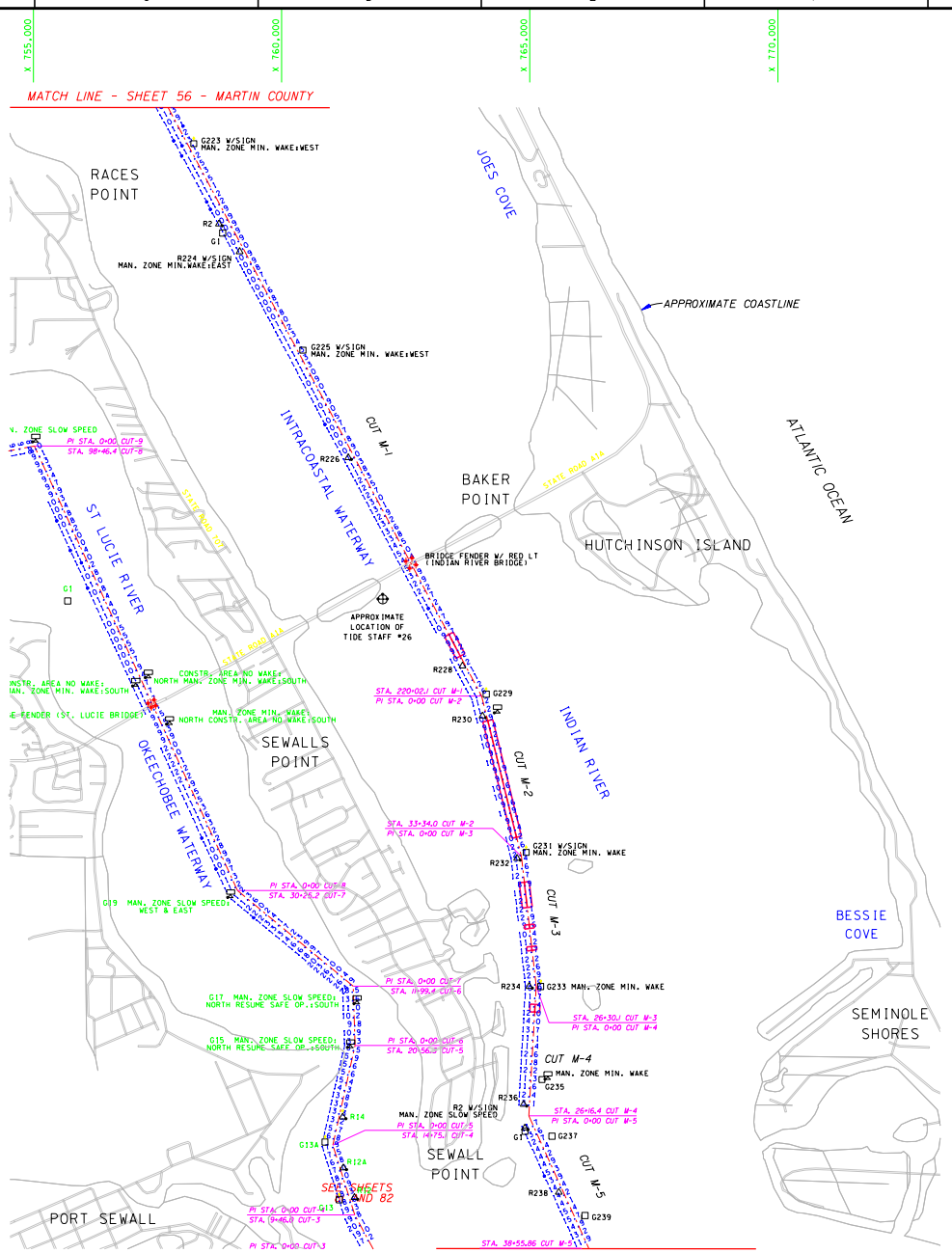
File name: a314SH56.DGN
Reference files: A314TB3.DGN, A314BASE.DGN, ST1UCL.DGN, A314SH55.DGN, MARTBASE.DGN, MARTCL.DGN, ABCE12.DGN

RECONNAISSANCE SURVEY OF THE
INTRACOASTAL WATERWAY
ST. JOHNS RIVER, JACKSONVILLE TO MIAMI
10-FOOT PROJECT
ST. LUCIE AND MARTIN COUNTY
CUT SL-6 THRU CUT W-1
PLAN

DRAWING NO.

SHEET 56 OF 91

h:\iww\Dgn\a314SH56.dgn 10/16/00 01:35:02 PM

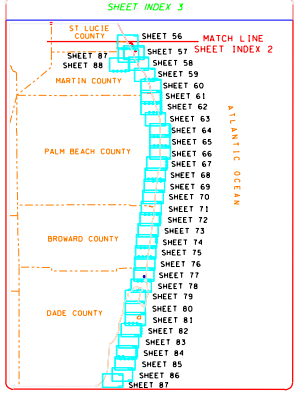


AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 27 (X)	(Y)	LATITUDE NAD 27	LONGITUDE NAD 27
G223	758,230	1,053,550	27°13'47.96"	080°12'19.31"
R2	758,735	1,051,929	27°13'31.87"	080°12'13.83"
G1	758,812	1,051,747	27°13'30.07"	080°12'12.99"
R224	759,151	1,051,373	27°13'26.34"	080°12'09.26"
G225	760,427	1,049,387	27°13'06.60"	080°11'55.27"
R226	761,341	1,047,221	27°12'45.09"	080°11'45.30"
R228	763,646	1,043,024	27°12'03.38"	080°11'20.07"
G229	764,123	1,042,454	27°11'57.70"	080°11'14.83"
R230	764,049	1,042,010	27°11'53.31"	080°11'15.68"
G231	764,929	1,039,263	27°11'26.05"	080°11'06.13"
R232	764,747	1,039,143	27°11'24.88"	080°11'08.16"
R234	764,989	1,036,564	27°10'59.32"	080°11'05.66"
G233	765,222	1,036,562	27°10'59.29"	080°11'03.08"
G235	765,246	1,034,684	27°10'40.69"	080°11'02.95"
R236	764,875	1,034,186	27°10'35.78"	080°11'07.09"
R2	764,903	1,033,709	27°10'31.06"	080°11'06.82"
G1	764,904	1,033,641	27°10'30.38"	080°11'06.81"
G237	765,449	1,033,543	27°10'29.38"	080°11'00.79"
R238	765,586	1,032,415	27°10'18.20"	080°10'59.35"
G239	766,113	1,031,944	27°10'13.50"	080°10'53.55"

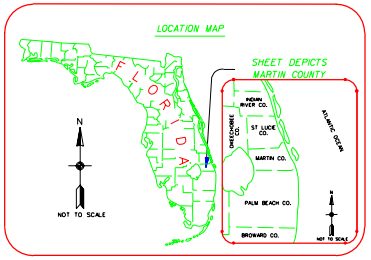
TIDE STAFF TABULATION

TIDE STAFF DESIGNATION	REFERENCE MONUMENT DESCRIPTION	EL FEET (NGVD)
TIDE STAFF NO. 26	FLORIDA SRD "D 236 1965"	14.99
	FLORIDA SRD "E 236 1965"	14.13

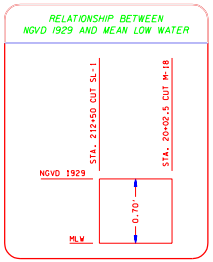
SHEET INDEX 3



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.

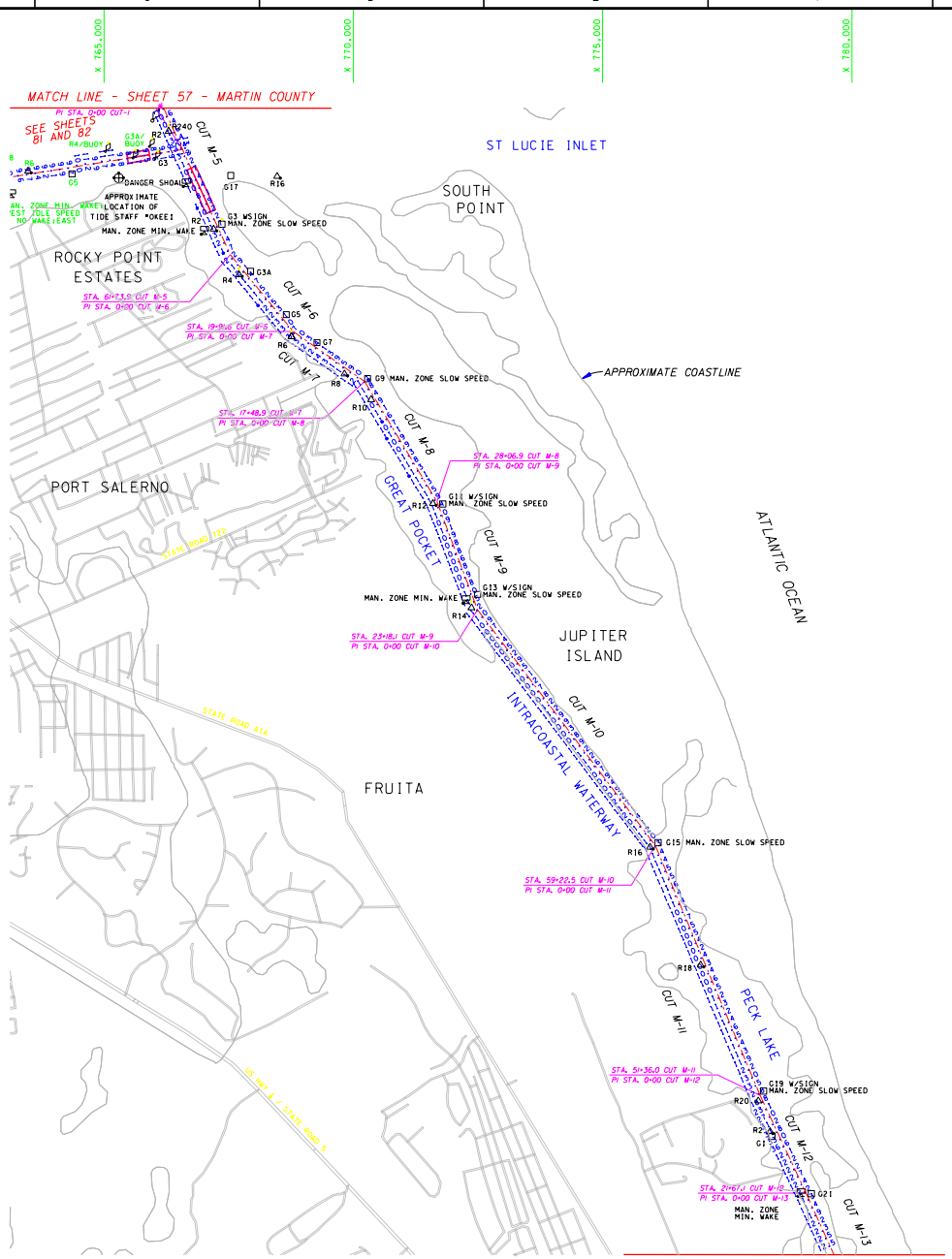
File name: ALL1B.DGN
Reference files: ALL1B.DGN MARTIBGE.DGN MARTCL.DGN MARTCUT.DGN OKECEL.DGN INDEX3.DGN

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

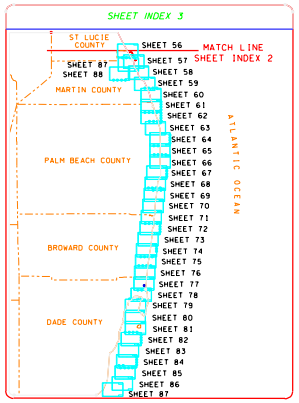
DRAWING NO.

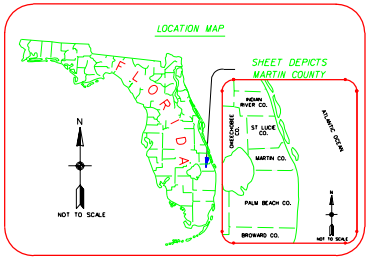
SHEET 57 OF 91

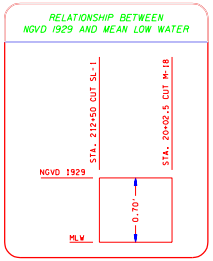
h:\iww\Dgn\a314SH57.dgn 10/16/00 02:20:32 PM



AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 27 (X)	(Y)	LATITUDE NAD 27	LONGITUDE NAD 27
R240	766,293	1,030,811	27°10'02.27"	080°10'51.64"
R2	765,917	1,030,505	27°09'59.26"	080°10'55.82"
G3	766,030	1,030,262	27°09'56.85"	080°10'54.59"
G17	767,541	1,029,924	27°09'53.40"	080°10'37.89"
R16	768,473	1,029,907	27°09'53.17"	080°10'27.57"
G3	767,365	1,028,946	27°09'43.73"	080°10'39.91"
R2	767,197	1,028,847	27°09'42.76"	080°10'41.77"
G3A	767,941	1,028,002	27°09'34.34"	080°10'33.60"
R4	767,708	1,027,931	27°09'33.66"	080°10'36.18"
G5	768,655	1,027,131	27°09'25.67"	080°10'25.76"
R6	768,760	1,026,692	27°09'21.32"	080°10'24.63"
G7	769,271	1,026,572	27°09'20.10"	080°10'18.98"
R8	769,819	1,025,942	27°09'13.82"	080°10'12.96"
G9	770,285	1,025,847	27°09'12.85"	080°10'07.81"
R10	770,354	1,025,429	27°09'08.71"	080°10'07.07"
G1	771,456	1,024,379	27°08'58.24"	080°09'54.95"
R2	771,501	1,024,297	27°08'57.42"	080°09'54.46"
R12	771,597	1,023,343	27°08'47.97"	080°09'53.47"
G11	771,795	1,023,335	27°08'47.88"	080°09'51.28"
G13	772,491	1,021,519	27°08'29.85"	080°09'43.71"
R14	772,369	1,021,253	27°08'27.22"	080°09'45.08"
G15	776,110	1,016,539	27°07'40.29"	080°09'04.02"
R16	775,950	1,016,447	27°07'39.39"	080°09'05.80"
R18	776,965	1,014,082	27°07'15.90"	080°08'54.75"
G19	778,225	1,011,555	27°06'50.79"	080°08'40.99"
R20	778,123	1,011,359	27°06'48.86"	080°08'42.14"
R2	778,359	1,010,744	27°06'42.75"	080°08'39.57"
G1	778,394	1,010,648	27°06'41.80"	080°08'39.19"
G21	779,185	1,009,494	27°06'30.32"	080°08'30.53"







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

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

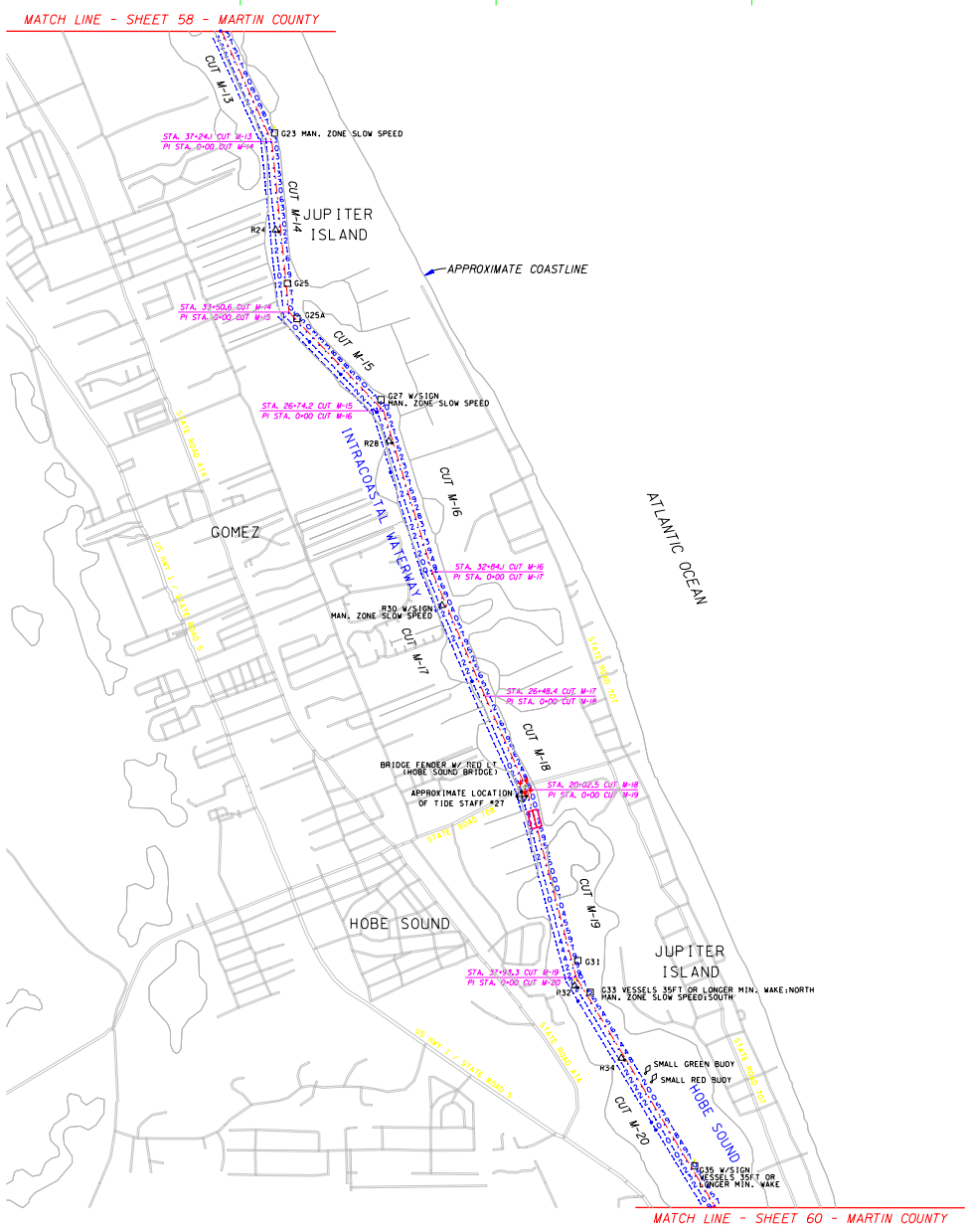
File name:
Reference files:
A314TB3.DGN
MARTIBGE.DGN
MARTCL.DGN
ALIGNMENT.DGN
CHECL.DGN
INDEX3.DGN

RECONNAISSANCE SURVEY OF THE
INTRACOASTAL WATERWAY
ST. JOHNS RIVER, JACKSONVILLE TO MIAMI
10-FOOT PROJECT
MARTIN COUNTY
CUT M-5 THRU CUT M-13
PLAN

DRAWING NO.

SHEET 58 OF 91

h:\iww\Dgn\a314SH58.dgn 10/16/00 02:19:47 PM

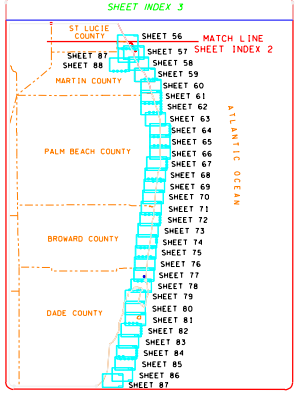


AID TO NAVIGATION	PLANE COORDINATES IN FEET NAD 27 (X)	(Y)	LATITUDE NAD 27	LONGITUDE NAD 27
G23	780,666	1,006,287	27°05'58.46"	080°08'14.38"
R24	780,689	1,004,389	27°05'39.66"	080°08'14.27"
G25	780,919	1,003,347	27°05'29.33"	080°08'11.81"
G25A	781,107	1,002,660	27°05'22.51"	080°08'09.78"
G27	782,748	1,001,070	27°05'06.66"	080°07'51.74"
R28	782,901	1,000,258	27°04'58.61"	080°07'50.11"
R30	783,939	997,051	27°04'26.78"	080°07'38.88"
G31	786,598	990,105	27°03'17.81"	080°07'10.00"
R32	786,537	989,607	27°03'12.88"	080°07'10.71"
G33	786,842	989,484	27°03'11.64"	080°07'07.35"
R34	787,452	988,196	27°02'58.85"	080°07'00.70"
G35	788,884	986,088	27°02'37.87"	080°06'45.03"

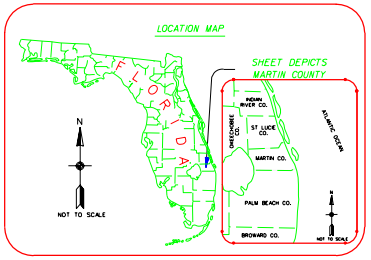
TIDE STAFF TABULATION

TIDE STAFF DESIGNATION	REFERENCE MONUMENT DESCRIPTION	EL FEET (NGVD)
TIDE STAFF NO. 27	DNR "2429 C 1980 BSM"	8.21
	SEA SYSTEMS CORP "PCP"	25.35

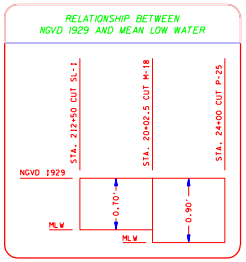
SHEET INDEX 3



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.

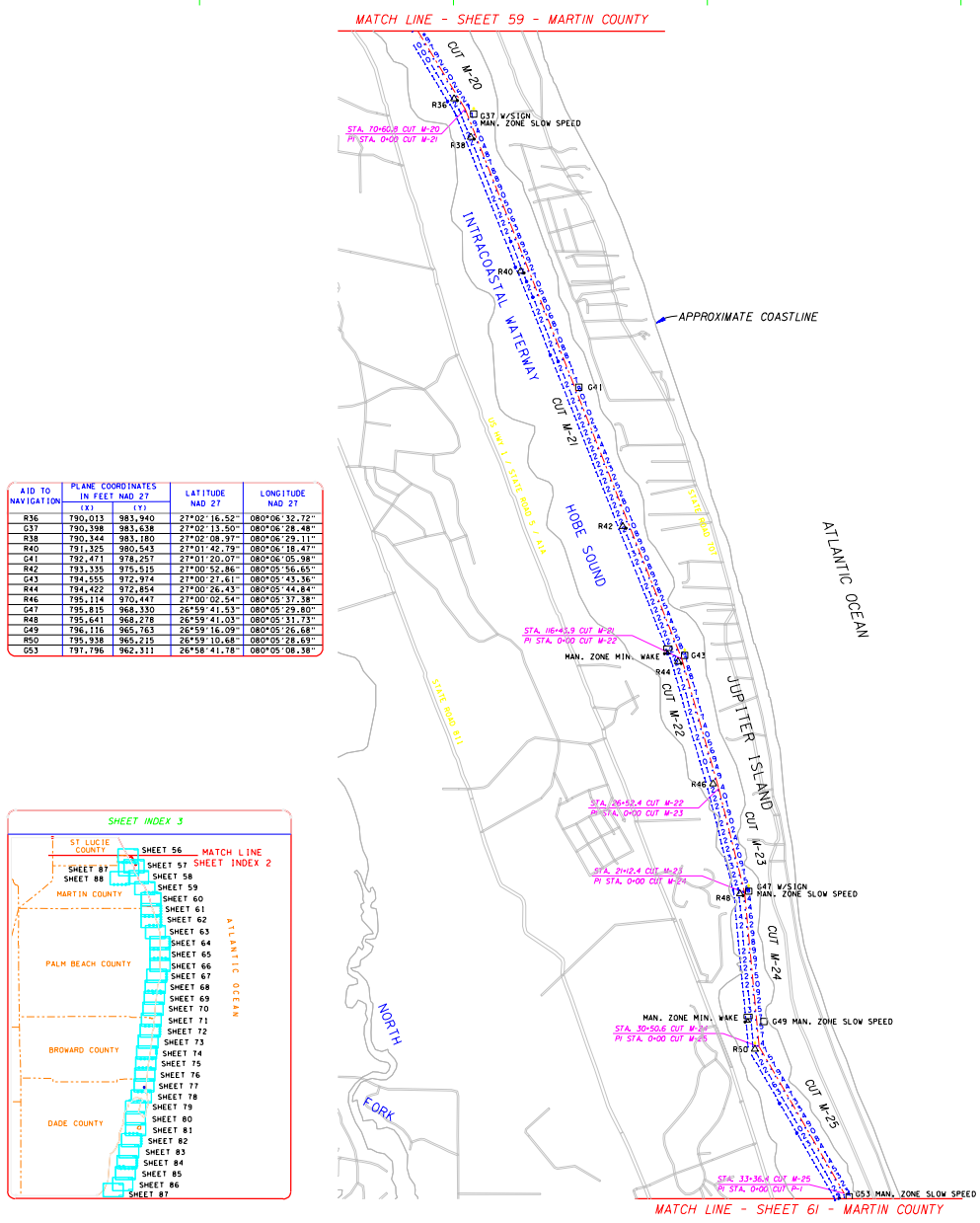
File name: CUTMAP1.DGN
References files: A314SL.DGN MARTIBEACH.DGN MARTCL.DGN A314SH58.DGN NDIX3.DGN

RECONNAISSANCE SURVEY OF THE
INTRACOASTAL WATERWAY
ST. JOHNS RIVER, JACKSONVILLE TO MIAMI
10-FOOT PROJECT
MARTIN COUNTY
CUT M-13 THRU CUT M-20
PLAN

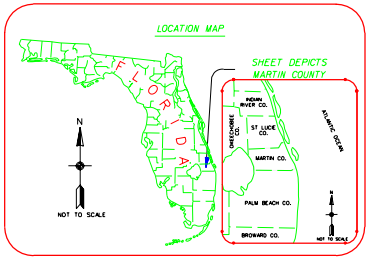
DRAWING NO.

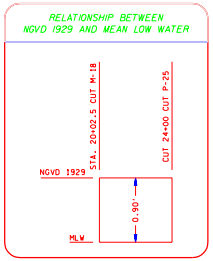
SHEET 59 OF 91

h:\iww\Dgn\a314SH59.dgn 10/16/00 02:19:04 PM



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