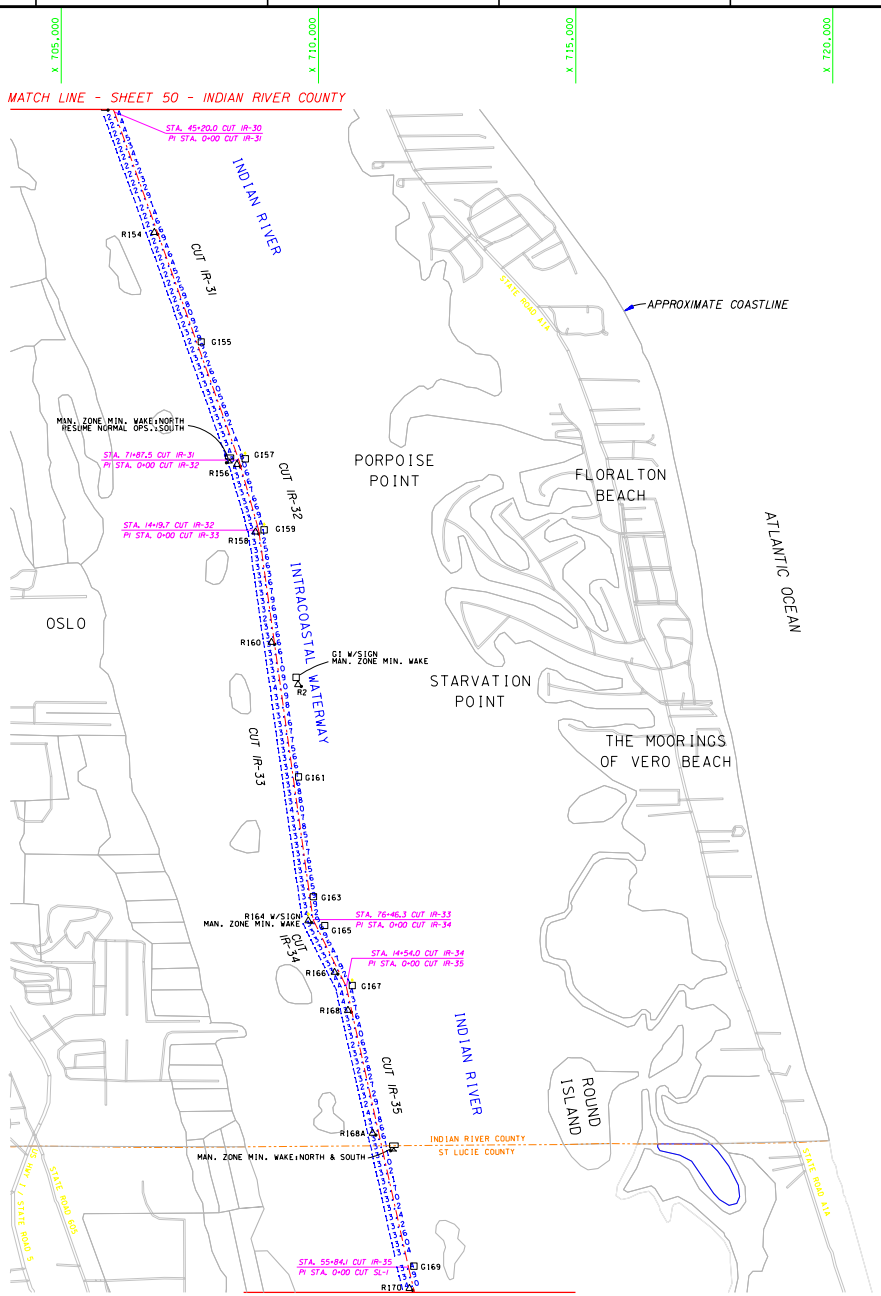
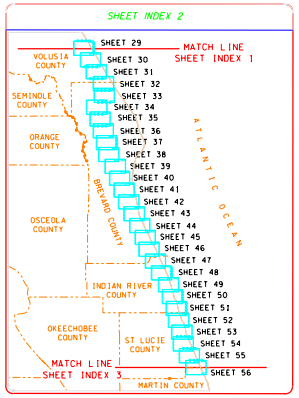
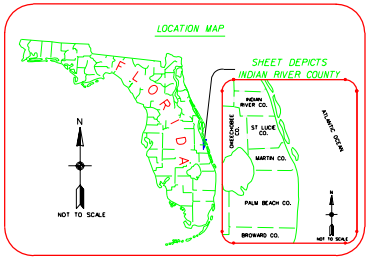
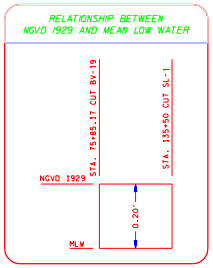



| AID TO NAVIGATION | PLANE COORDINATES IN FEET NAD 27 (X) | (Y) | LATITUDE NAD 27 | LONGITUDE NAD 27 |
|---|---|---|---|---|
| R154 | 706,808 | 1,189,891 | 27°36'21.02" | 080°21'41.18" |
| G155 | 707,721 | 1,187,766 | 27°35'59.93" | 080°21'31.15" |
| G157 | 708,575 | 1,185,493 | 27°35'37.37" | 080°21'21.79"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




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: a314SH51.DGN
Reference files: A314TB.DGN, A314LBASE.DGN, ST1LUCL.DGN, A314SHDR.DGN, A314SOC.DGN, INDICL.DGN, INDEX2.DGN

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

DRAWING NO.

SHEET 51 OF 91

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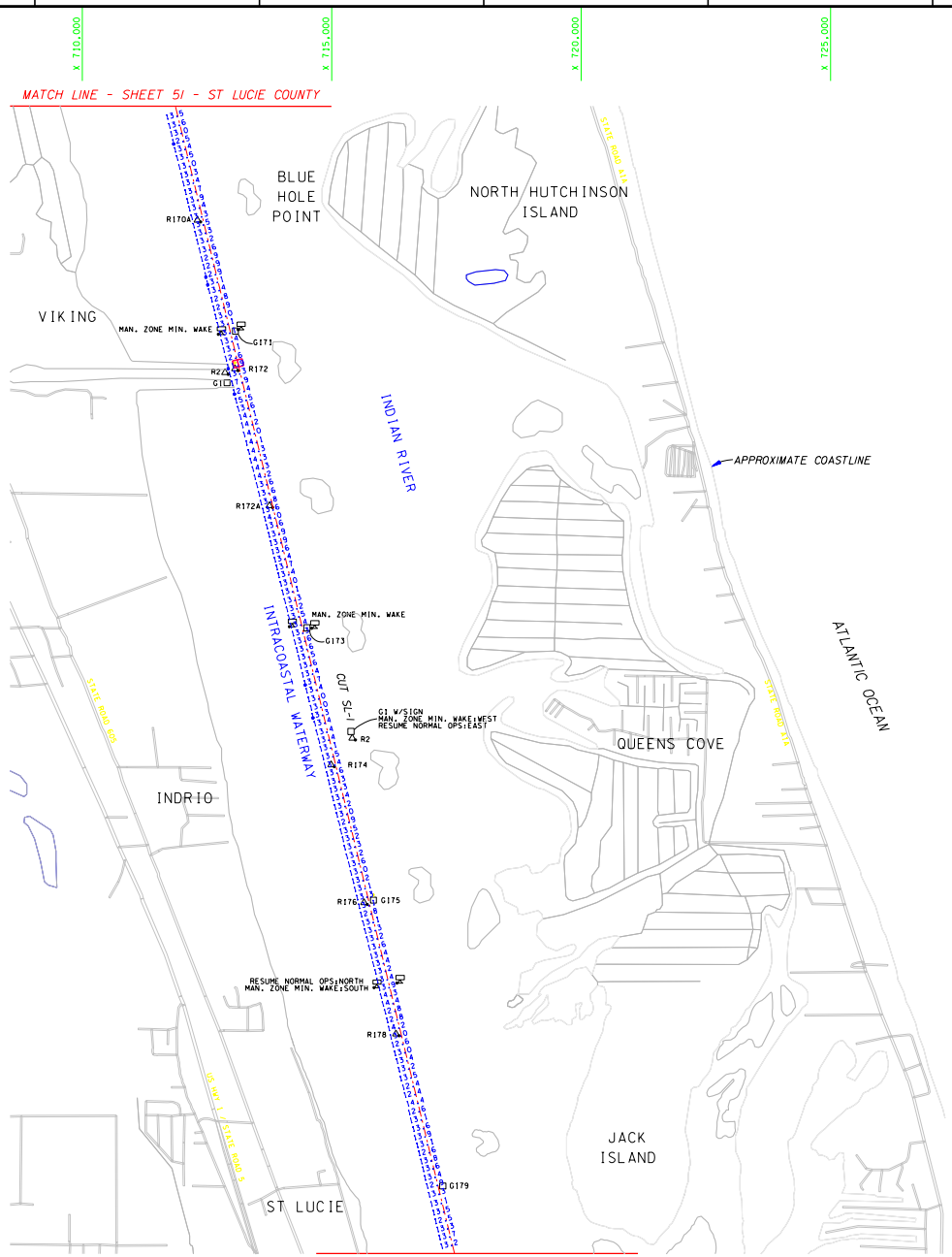
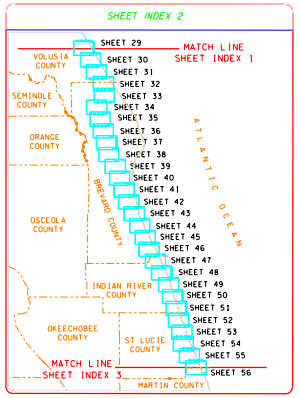
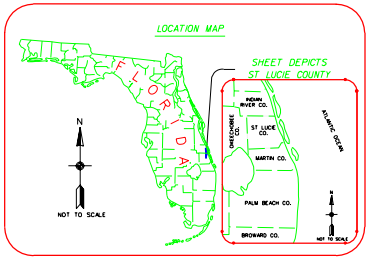



| AID TO NAVIGATION | PLANE COORDINATES IN FEET NAD 27 (X) | (Y) | LATITUDE NAD 27 | LONGITUDE NAD 27 |
|---|---|---|---|---|
| R170A | 712,304 | 1,167,000 | 27°32'34.05" | 080°20'41.44" |
| G171 | 713,068 | 1,164,773 | 27°32'11.96" | 080°20'33.08" |
| R172 | 713,061 | 1,164,017 | 27°32'04.48" | 080°20'33.21" |
| R2 | 712,861 | 1,163,941 | 27°32'03.73" | 080°20'35.43" |
| G1 | 712,901 | 1,163,740 | 27°32'01.74" | 080°20'35.00" |
| R172A | 713,749 | 1,161,271 | 27°31'37.25" | 080°20'25.73" |
| G173 | 714,502 | 1,158,825 | 27°31'12.99" | 080°20'17.51" |
| G1 | 715,385 | 1,156,749 | 27°30'52.38" | 080°20'07.82" |
| R2 | 715,413 | 1,156,616 | 27°30'51.06" | 080°20'07.52" |
| R174 | 714,987 | 1,156,080 | 27°30'45.78" | 080°20'12.28" |
| G175 | 715,836 | 1,153,366 | 27°30'18.86" | 080°20'03.02" |
| R176 | 715,649 | 1,153,316 | 27°30'18.37" | 080°20'05.10" |
| R178 | 716,285 | 1,150,686 | 27°29'52.29" | 080°19'58.19" |
| G179 | 717,227 | 1,147,635 | 27°29'22.03" | 080°19'47.91" |

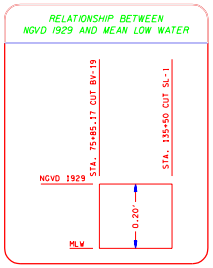
SHEET INDEX 2




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

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|---|---|---|---|---|

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
Dated: APRIL, 2000
D.O.FILE NO. 8-37-988

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

File name: 314SH52.DGN
Reference files: A314TB.DGN, A314BASE.DGN, ST1LUBASE.DGN, ST1UCL.DGN, A314SH51.DGN, INDEX2.DGN

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

DRAWING NO.

SHEET 52 OF 91

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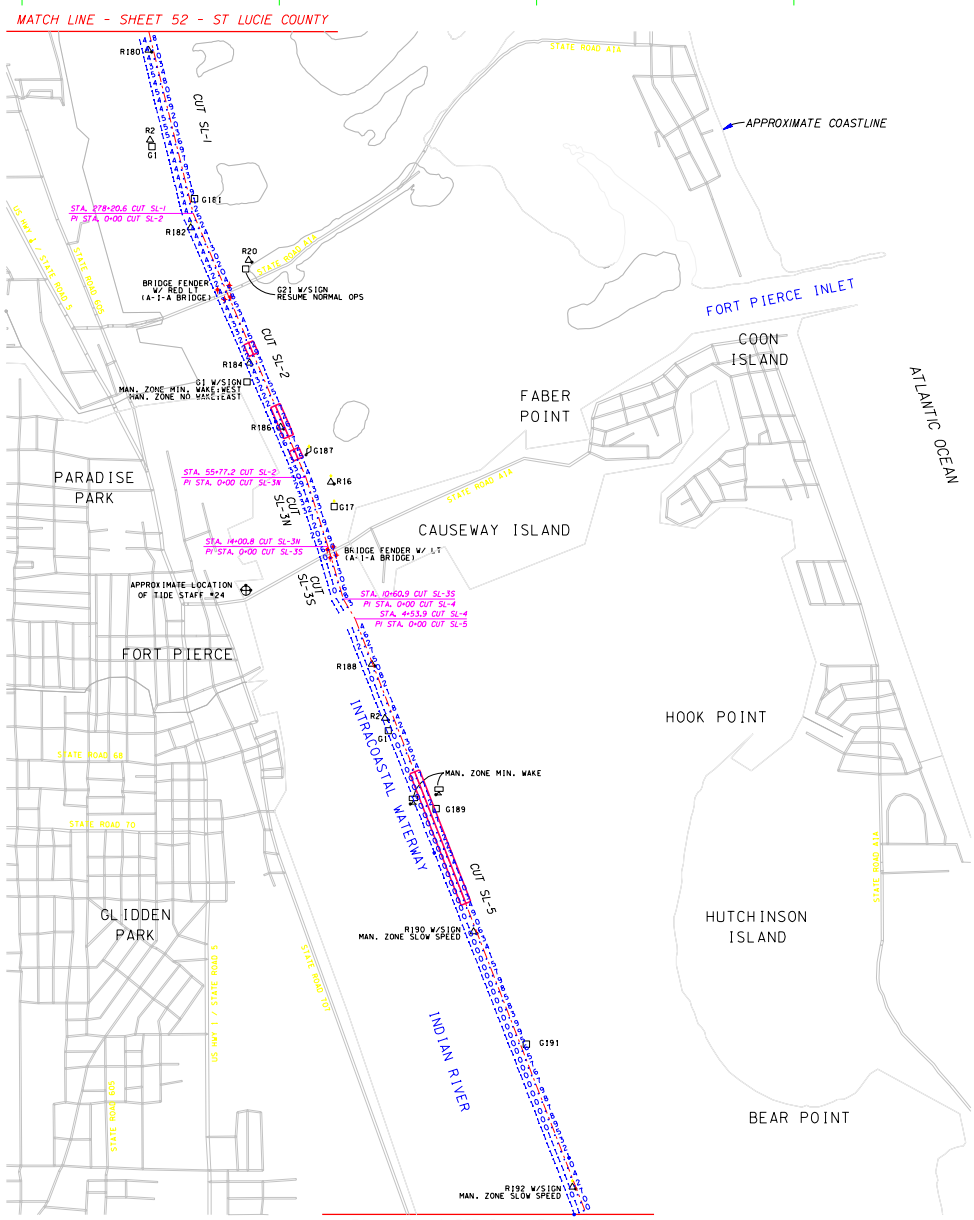
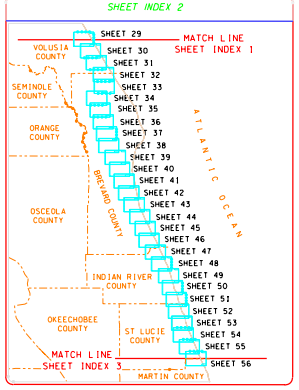



| AID TO NAVIGATION | PLANE COORDINATES IN FEET NAD 27 (X) | (Y) | LATITUDE NAD 27 | LONGITUDE NAD 27 |
|---|---|---|---|---|
| R180 | 717,456 | 1,145,921 | 27°29'05.05" | 080°19'45.47" |
| R2 | 717,487 | 1,144,175 | 27°28'47.75" | 080°19'45.23" |
| G1 | 717,525 | 1,144,045 | 27°28'46.46" | 080°19'44.82" |
| G181 | 718,351 | 1,143,031 | 27°28'36.38" | 080°19'35.71" |
| R182 | 718,274 | 1,142,470 | 27°28'30.83" | 080°19'36.60" |
| R20 | 719,402 | 1,141,830 | 27°28'24.43" | 080°19'24.11" |
| G21 | 719,347 | 1,141,665 | 27°28'22.80" | 080°19'24.73" |
| R184 | 719,419 | 1,139,838 | 27°28'04.70" | 080°19'24.05" |
| G1 | 719,369 | 1,139,469 | 27°28'01.05" | 080°19'24.62" |
| R186 | 720,022 | 1,138,593 | 27°27'52.34" | 080°19'17.43" |
| G187 | 720,525 | 1,138,053 | 27°27'46.97" | 080°19'11.88" |
| R16 | 721,001 | 1,137,518 | 27°27'41.64" | 080°19'06.63" |
| G17 | 721,066 | 1,137,044 | 27°27'36.95" | 080°19'05.93" |
| R188 | 721,800 | 1,133,978 | 27°27'06.54" | 080°18'57.97" |
| R2 | 722,053 | 1,132,931 | 27°26'56.16" | 080°18'55.23" |
| G1 | 722,117 | 1,132,687 | 27°26'53.74" | 080°18'54.53" |
| G189 | 723,046 | 1,131,174 | 27°26'38.71" | 080°18'44.31" |
| R190 | 723,774 | 1,128,779 | 27°26'14.95" | 080°18'36.38" |
| G191 | 724,800 | 1,126,594 | 27°25'53.26" | 080°18'25.13" |
| R192 | 725,699 | 1,123,811 | 27°25'25.65" | 080°18'15.33" |

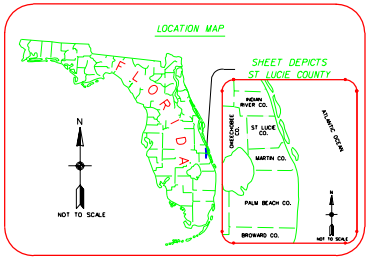
## TIDE STAFF TABULATION

| TIDE STAFF DESIGNATION | REFERENCE MONUMENT DESCRIPTION | EL FEET (NGVD) |
|---|---|---|
| TIDE STAFF NO. 24 | USC&GS "NO 2 1969" | 4.98 |
| | USC&GS "NO 3A 1969" | 4.94 |

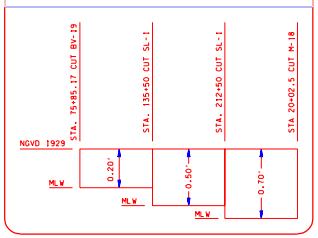
## SHEET INDEX 2




## 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
Dsnsr AS SHOWN
Dsgnr Plot scale
Plot date

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

Dated APRIL, 2000

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

File name: A314SH53.DGN
Reference files: A314B1B.DGN, A314B2.DGN, S1LUBASE.DGN, S1LUCL.DGN, A314SH52.DGN, NGS1V2.DGN

RECONNAISSANCE SURVEY OF THE INTRACOASTAL WATERWAY
ST. JOHNS RIVER, JACKSONVILLE TO MIAMI
10 & 12-FOOT PROJECT
ST. LUCIE COUNTY
CUT SL-1 THRU CUT SL-5
PLAN

DRAWING NO.

SHEET 53 OF 91

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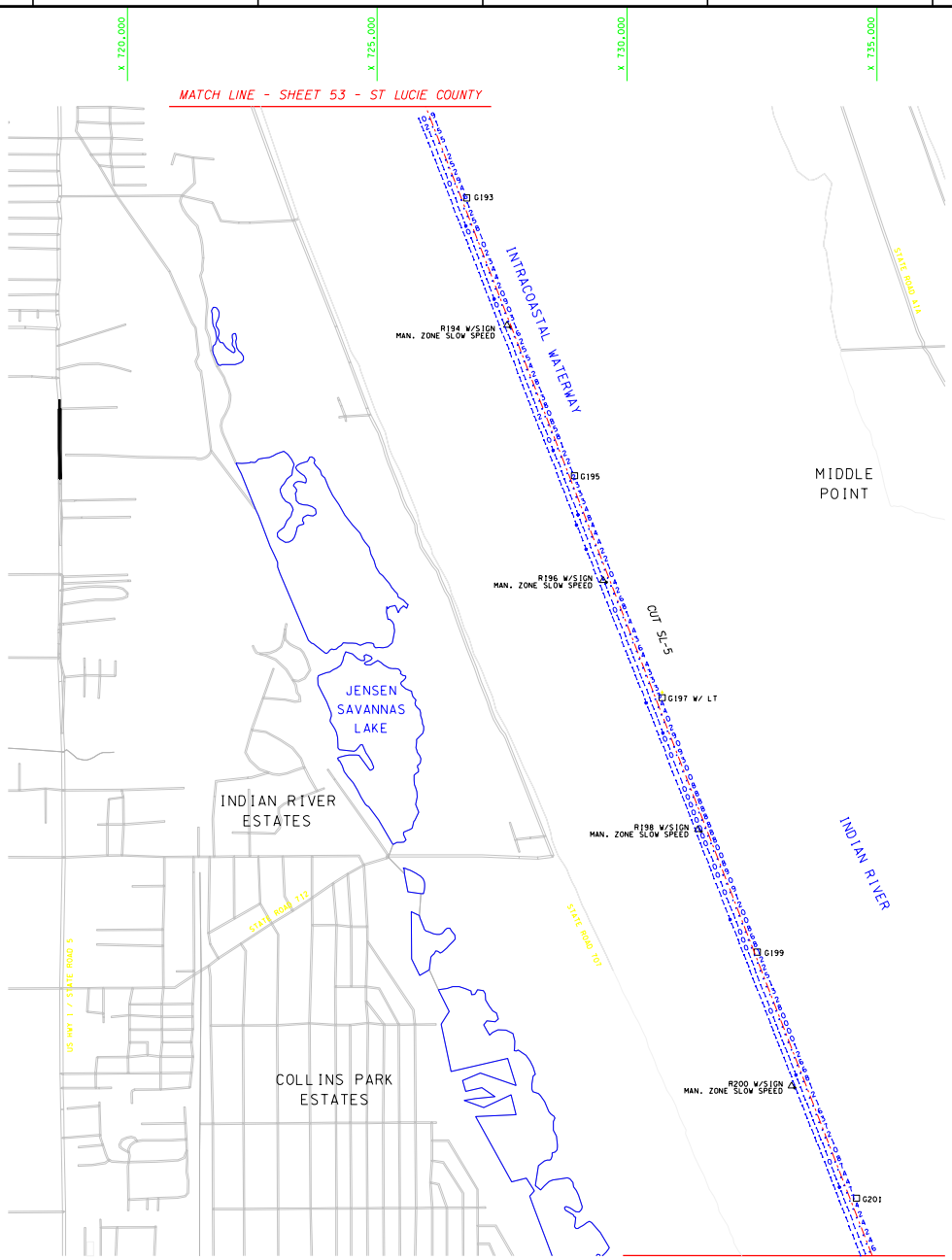
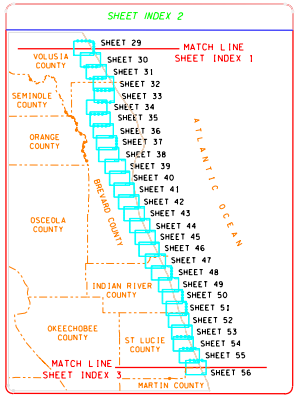
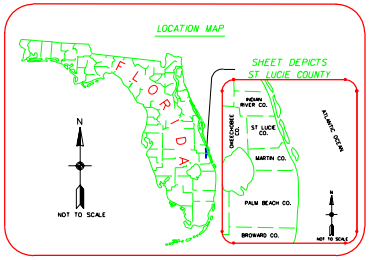



| AID TO NAVIGATION | PLANE COORDINATES IN FEET NAD 27 (X) | (Y) | LATITUDE NAD 27 | LONGITUDE NAD 27 |
|---|---|---|---|---|
| G193 | 726,793 | 1,121,451 | 27°25'02.22" | 080°18'03.33" |
| R194 | 727,596 | 1,118,900 | 27°24'36.91" | 080°17'54.58" |
| G195 | 728,950 | 1,115,891 | 27°24'07.04" | 080°17'39.75" |
| R196 | 729,520 | 1,113,795 | 27°23'46.25" | 080°17'33.56" |
| G197 | 730,703 | 1,111,449 | 27°23'22.95" | 080°17'20.58" |
| R198 | 731,417 | 1,108,810 | 27°22'56.78" | 080°17'12.83" |
| G199 | 732,604 | 1,106,356 | 27°22'32.41" | 080°16'59.82" |
| R200 | 733,290 | 1,103,676 | 27°22'05.83" | 080°16'52.38" |
| G201 | 734,588 | 1,101,431 | 27°21'43.53" | 080°16'38.13" |

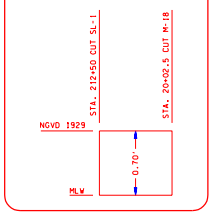
SHEET INDEX 2




LOCATION MAP




RELATIONSHIP BETWEEN NGVD 1929 AND MEAN LOW WATER




SURVEY LEGEND

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|---|---|
| | 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: SL5PLAN.DGN
Reference files: A314B1.DGN, A314B2.DGN, SL1LBASE.DGN, SL1UCL.DGN, A314GRID.DGN, NGS1V2.DGN

RECONNAISSANCE SURVEY OF THE
INTRACOASTAL WATERWAY
ST. JOHNS RIVER, JACKSONVILLE TO MIAMI
10-FOOT PROJECT
SL-5
ST. LUCIE COUNTY
PLAN

DRAWING NO.

SHEET 54 OF 91

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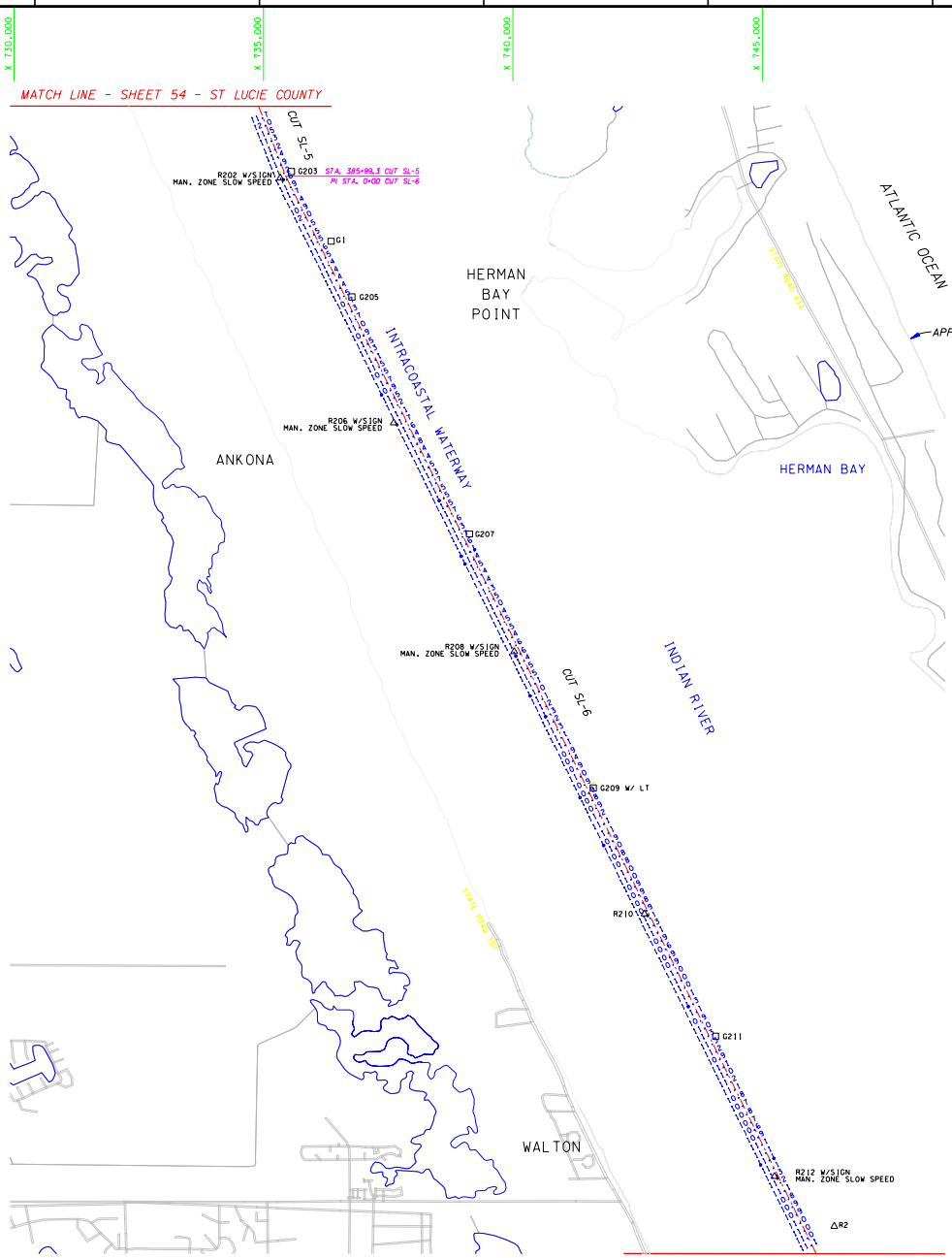
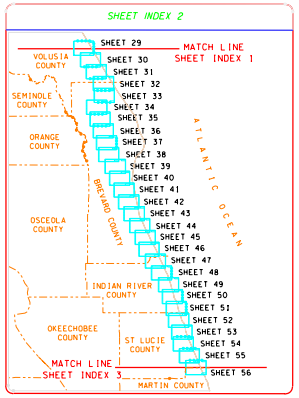
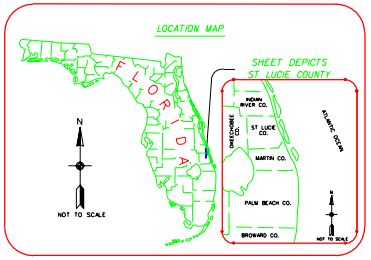
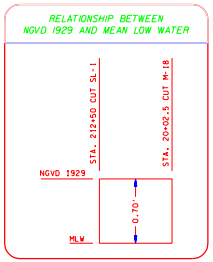



| AID TO NAVIGATION | PLANE COORDINATES IN FEET NAD 27 (X) | (Y) | LATITUDE NAD 27 | LONGITUDE NAD 27 |
|---|---|---|---|---|
| G203 | 735,561 | 1,098,972 | 27°21'19.12" | 080°16'27.50" |
| R202 | 735,335 | 1,098,842 | 27°21'17.85" | 080°16'30.01" |
| G1 | 736,354 | 1,097,574 | 27°21'05.23" | 080°16'18.79" |
| G205 | 736,773 | 1,096,459 | 27°20'54.17" | 080°16'14.22" |
| R206 | 737,611 | 1,093,936 | 27°20'29.13" | 080°16'05.09" |
| G207 | 739,130 | 1,091,706 | 27°20'06.96" | 080°15'48.39" |
| R208 | 740,024 | 1,089,351 | 27°19'43.59" | 080°15'38.64" |
| G209 | 741,611 | 1,086,615 | 27°19'16.40" | 080°15'21.22" |
| R210 | 742,642 | 1,084,093 | 27°18'51.37" | 080°15'09.96" |
| G211 | 744,066 | 1,081,638 | 27°18'26.97" | 080°14'54.34" |
| R212 | 745,245 | 1,078,825 | 27°17'59.04" | 080°14'41.46" |
| R2 | 746,443 | 1,077,828 | 27°17'49.10" | 080°14'28.24" |




SURVEY LEGEND

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

Designed by: S.B.M.
Drawn by: S.B.M.
Cad by: K.C.J.
Scale: AS SHOWN
Plot scale:
Plot center:

File name: SL6PLAN.DGN
References files: A314TB3.DGN, A314TB4.DGN, ST1LUBASE.DGN, ST1LUCL.DGN, A314SH00.DGN, A314SH01.DGN, NGS1V2.DGN

RECONNAISSANCE SURVEY OF THE
INTRACOASTAL WATERWAY
ST. JOHNS RIVER, JACKSONVILLE TO MIAMI
10-FOOT PROJECT
ST. LUCIE COUNTY
SL-6
PLAN

DRAWING NO.

SHEET 55 OF 91

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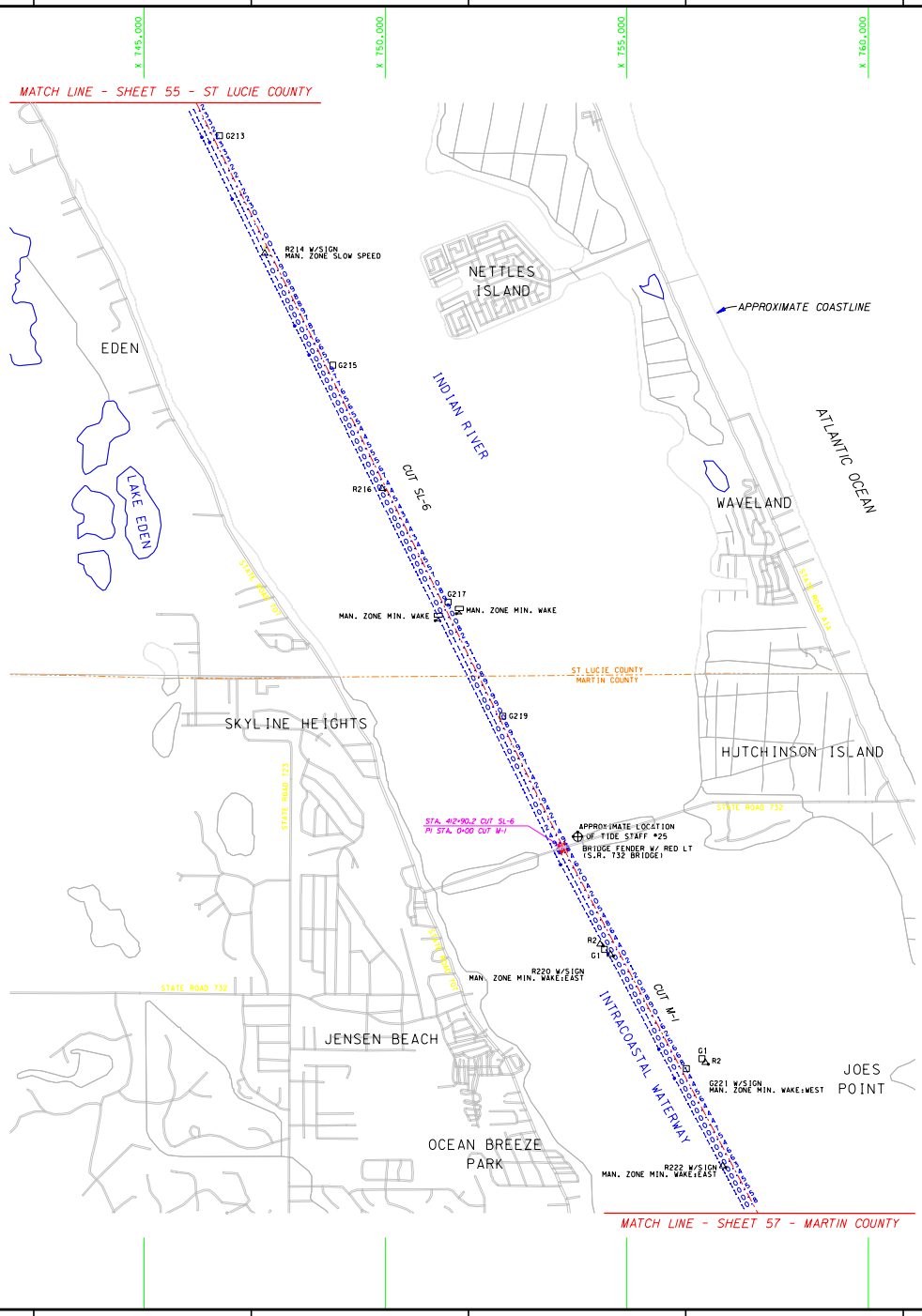
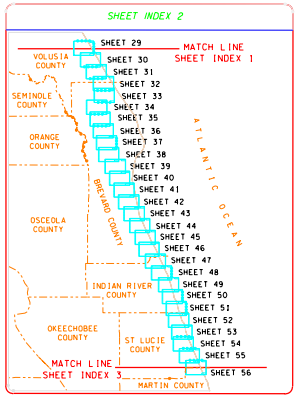



| AID TO NAVIGATION | PLANE COORDINATES IN FEET NAD 27 (X) | (Y) | LATITUDE NAD 27 | LONGITUDE NAD 27 |
|---|---|---|---|---|
| G213 | 746,564 | 1,076,597 | 27°17'36.90" | 080°14'26.99" |
| R214 | 747,500 | 1,074,159 | 27°17'12.70" | 080°14'16.78" |
| G215 | 748,912 | 1,071,844 | 27°16'49.69" | 080°14'01.28" |
| 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" |

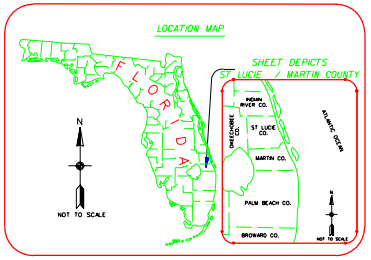
## TIDE STAFF TABULATION

| 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 |

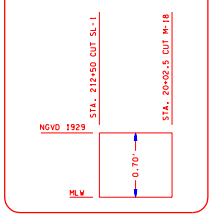
## SHEET INDEX 2




## 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

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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

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