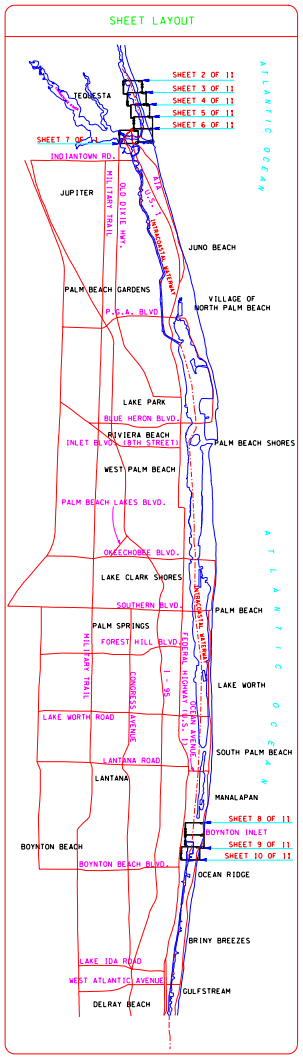
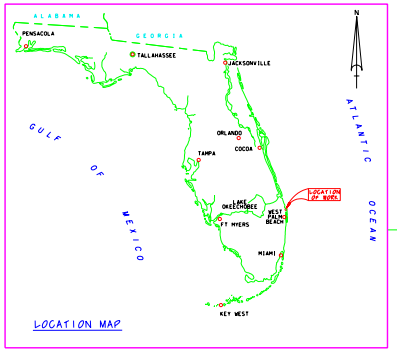
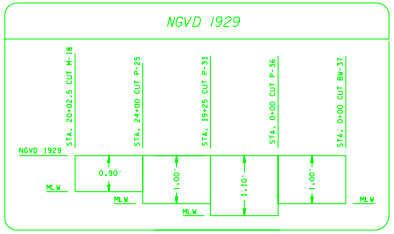
INTRACOASTAL WATERWAY
VICINITY OF JUPITER INLET
PALM BEACH COUNTY, FLORIDA
PROJECT CONDITION SURVEY
10-FOOT PROJECT





BENCHMARK	NGVD ELEV. (FT)
IWP-232	N/A
BOYNTON PARK	7.05
U-308	18.47
V-308	27.83
JIBE 42	N/A
X-315	4.58
V-315	3.17



Relationship between NGVD 1929 and Mean Low Water

PALM BEACH COUNTY CENTERLINE CONTROL				
CUT NAME STA. 0+00	PLANE COORDINATES (FEET) X (FEET)	Y (FEET)	CENTERLINE RANGE (FEET)	AZIMUTH
M-25	796,022.49	965,265.95	62.5	329°53'23"
P-1	797,696.25	962,379.74	62.5	343°42'50"
P-2	799,973.58	954,584.83	62.5	358°51'00"
P-3	800,026.01	951,972.75	62.5	014°24'33"
P-4	799,739.36	950,857.08	62.5	095°16'49"
P-5	797,266.36	951,085.63	62.5	081°45'01"
P-49	811,148.05	811,099.11	62.5	004°04'45"
P-50	810,915.79	807,842.39	62.5	004°57'27"
P-51	810,481.54	802,836.19	62.5	028°51'02"
P-52	809,771.14	801,546.68	62.5	007°07'54"

LEGEND	
+BM	BENCHMARK
	LIGHTED BEACON
	GREEN DAYBEACON
	RED DAYBEACON
	RED LIGHTED BUOY
	GREEN LIGHTED BUOY
	CAN BUOY
	NUN BUOY
	TIDE STAFF

SURVEY NOTES:

1. REFER TO SURVEY NO. 02-196.
2. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOW WATER (MLW) WHICH IS 0.90 FEET BELOW NGVD 1929.
3. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGN.
4. TIDAL REDUCTIONS WERE MADE FROM A STAFF SET ON A DOCK PILING IN THE VICINITY OF AND REFERENCED FROM BENCHMARK "U-308".
5. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE EAST ZONE OF FLORIDA AND REFERENCED TO NORTH AMERICAN DATUM OF 1927 (NAD27).
6. ALL AZIMUTHS ARE GRID; RECKONED CLOCKWISE FROM SOUTH.
7. ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
8. SURVEY WAS PERFORMED USING DIFFERENTIAL GPS FOR POSITIONING AND UTILIZING THE USCG NAVBEACON SYSTEM AS THE REFERENCE SITE. VERTICAL MEASUREMENTS WERE MADE USING AN INNERSPACE MODEL 448 FATHOMETER WITH A 200KHZ (HIGH FREQUENCY) TRANSDUCER.

VESSEL	DATE OF SURVEY	CUT
WB-32	09 AUG 2002	P-1 THRU P-4

9. AIDS TO NAVIGATION WERE LOCATED DURING THIS SURVEY.
10. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED ABOVE AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS AT THAT TIME.
11. SURVEY ACCURACY PERFORMANCE STANDARDS, QUALITY CONTROL, AND QUALITY ASSURANCE REQUIREMENTS WERE FOLLOWED DURING THIS SURVEY IN ACCORDANCE WITH USACE EM 1110-2-1003, HYDROGRAPHIC SURVEYING, 1 JAN 02.

GRAPHIC SCALE
10,000' 0 10,000' 20,000'

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

Fac. No. DACW17-3-X-XXXX
Design: XX XXX XXXX
Scale: AS SHOWN
Plot date: XX XX XXXX
Plot scale: XXXX
Designed by: BTG
Drawn by: WMB
Chd by: WMB
Dsnap: AUG 2002
D.O.F.FILE NO.
File name: DWG/BMT.DGN
Reference files: BKGRNB.DGN NEWTLMAP.DGN

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
VICINITY OF JUPITER INLET
PROJECT CONDITION SURVEY
10-FOOT PROJECT
COVER AND INDEX SHEET
PLAN

DRAWING NO.
1/8
SHEET 1 OF 11

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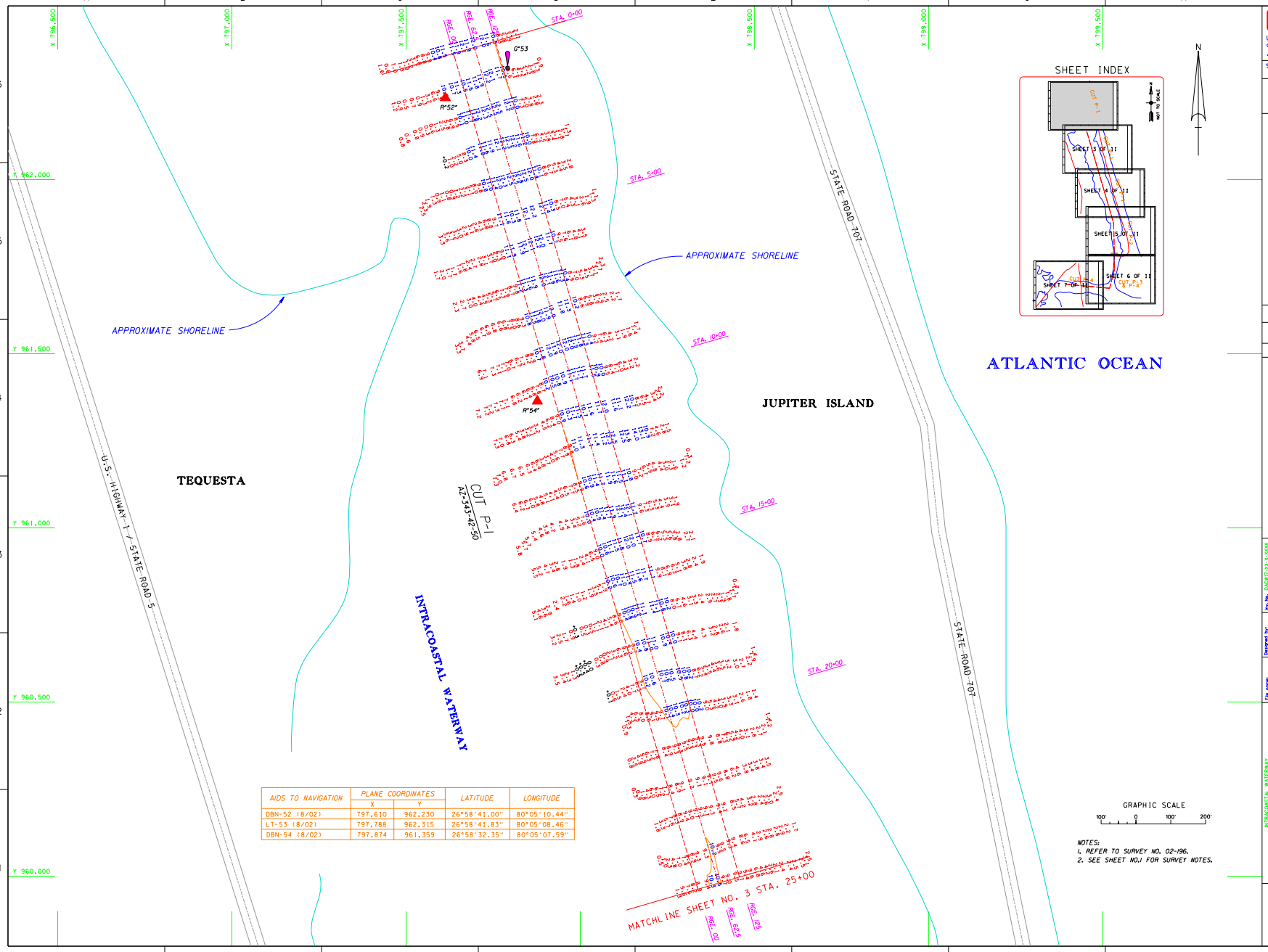

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-52 (8/02)	797,610	962,230	26°58'41.00"	80°05'10.44"
LT-53 (8/02)	797,788	962,315	26°58'41.83"	80°05'08.46"
DBN-54 (8/02)	797,874	961,359	26°58'32.35"	80°05'07.59"

NOTES:
1. REFER TO SURVEY NO. 02-196.
2. SEE SHEET NO.1 FOR SURVEY 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

Fac. No. DACW17-3-X-XXXX
Date: XX XXX XXXX
Scale: AS SHOWN
Plot date: XX XX XXXX
Plot scale: XXXX

Designed by: BTG
Drawn by: BTG
Chkd by: BTG

Dated: AUG 2002
D.O.FILE NO.

File name: DNS2MAIN.DGN
Reference files: BIOPSB.DGN IWRCOL.DGN IWRCOL2.DGN DTRCT1.DGN DTRNAV.DGN DTRSCON.DGN

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
VICINITY OF JUPITER INLET

PROJECT CONDITION SURVEY
10-FOOT PROJECT

STA. 0+00 THRU STA. 25+00 CUT P-1
PLAN

DRAWING NO.
2/8

SHEET 2 OF 11

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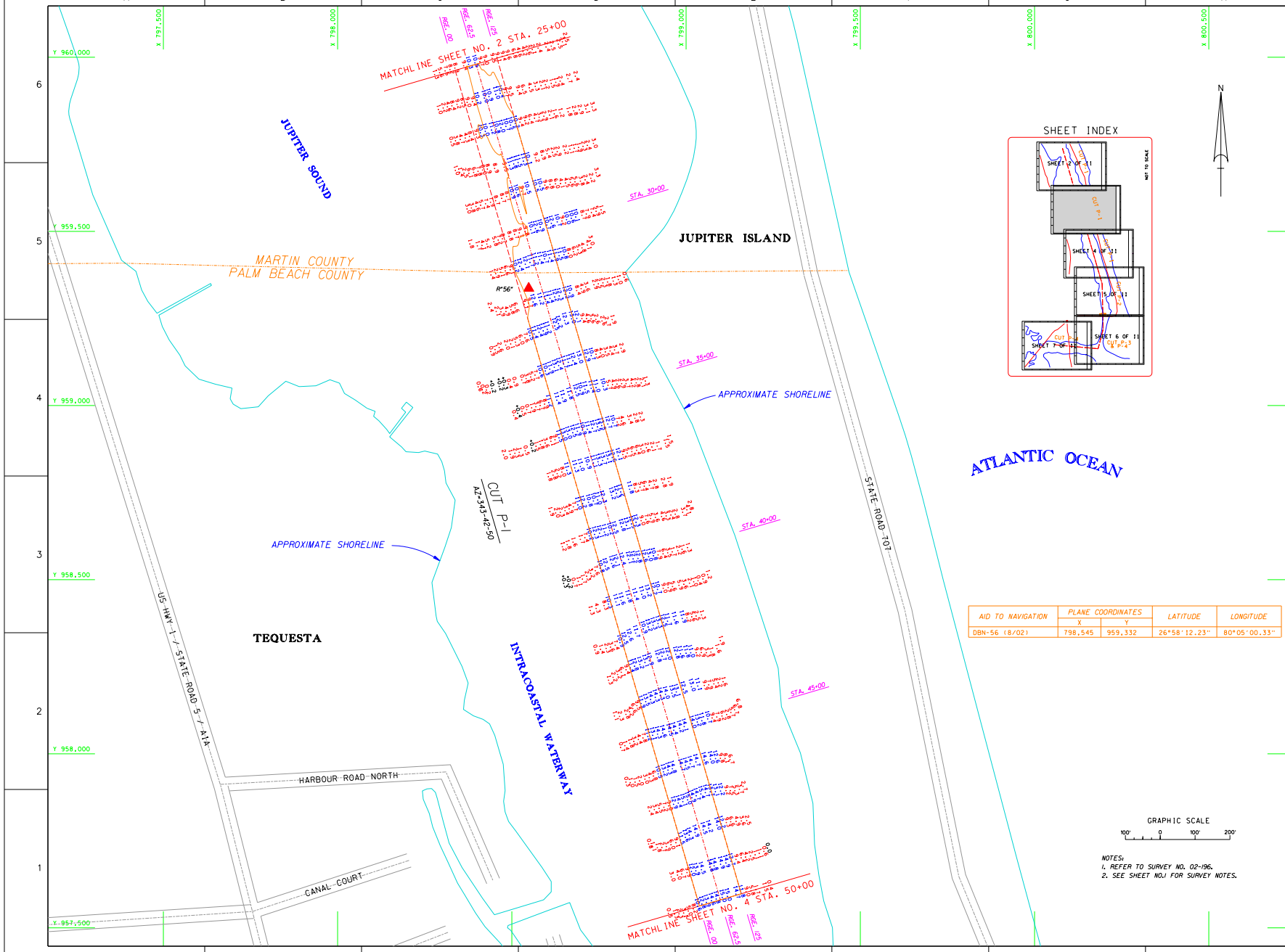

AID TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-56 (8/02)	798,545	959,332	26°58'12.23"	80°05'00.33"

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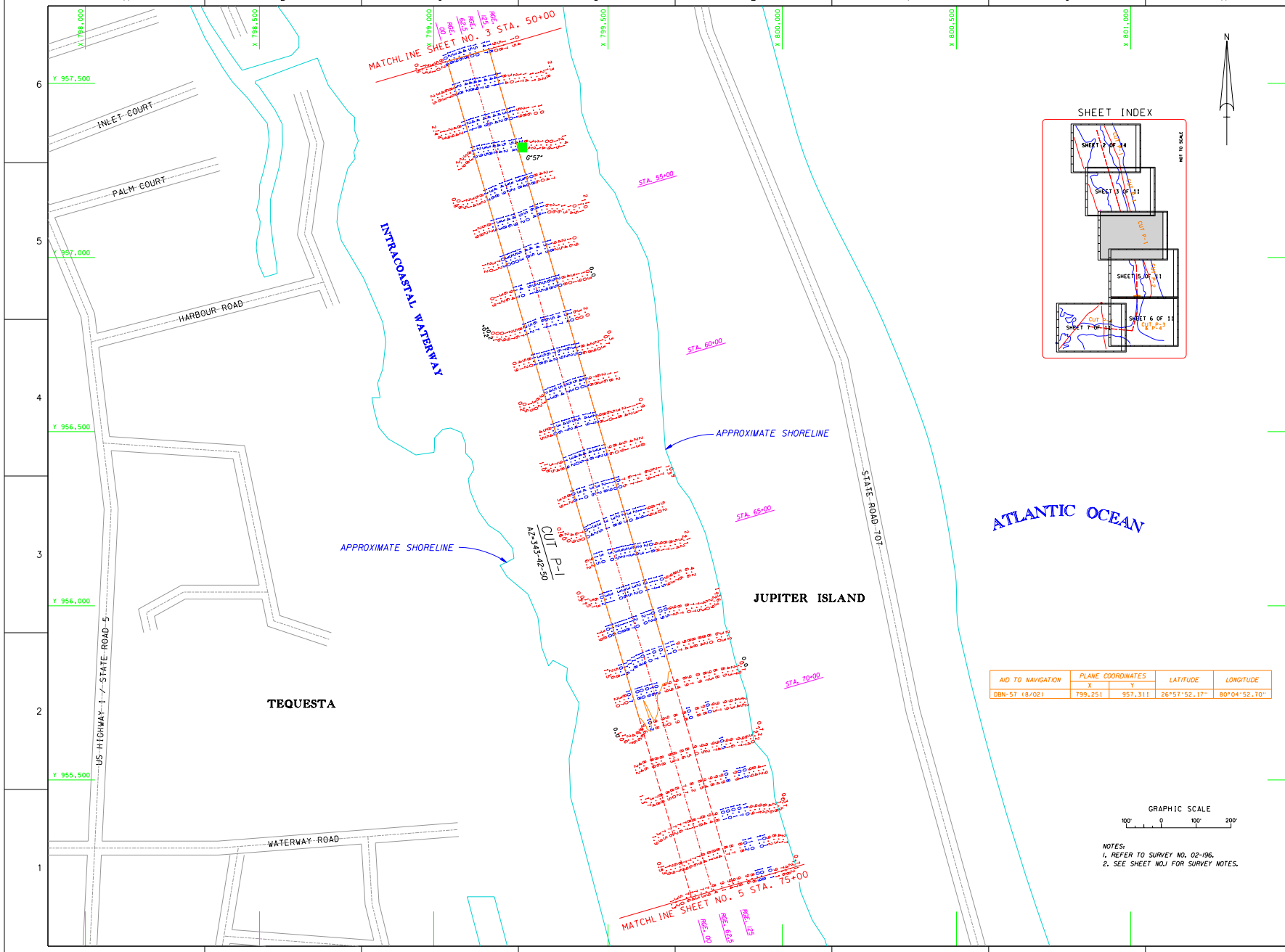

AID TO NAVIGATION	PLANE COORDINATES X	PLANE COORDINATES Y	LATITUDE	LONGITUDE
DBN-57 (8/02)	799,251	957,311	26°57'52.17"	80°04'52.70"

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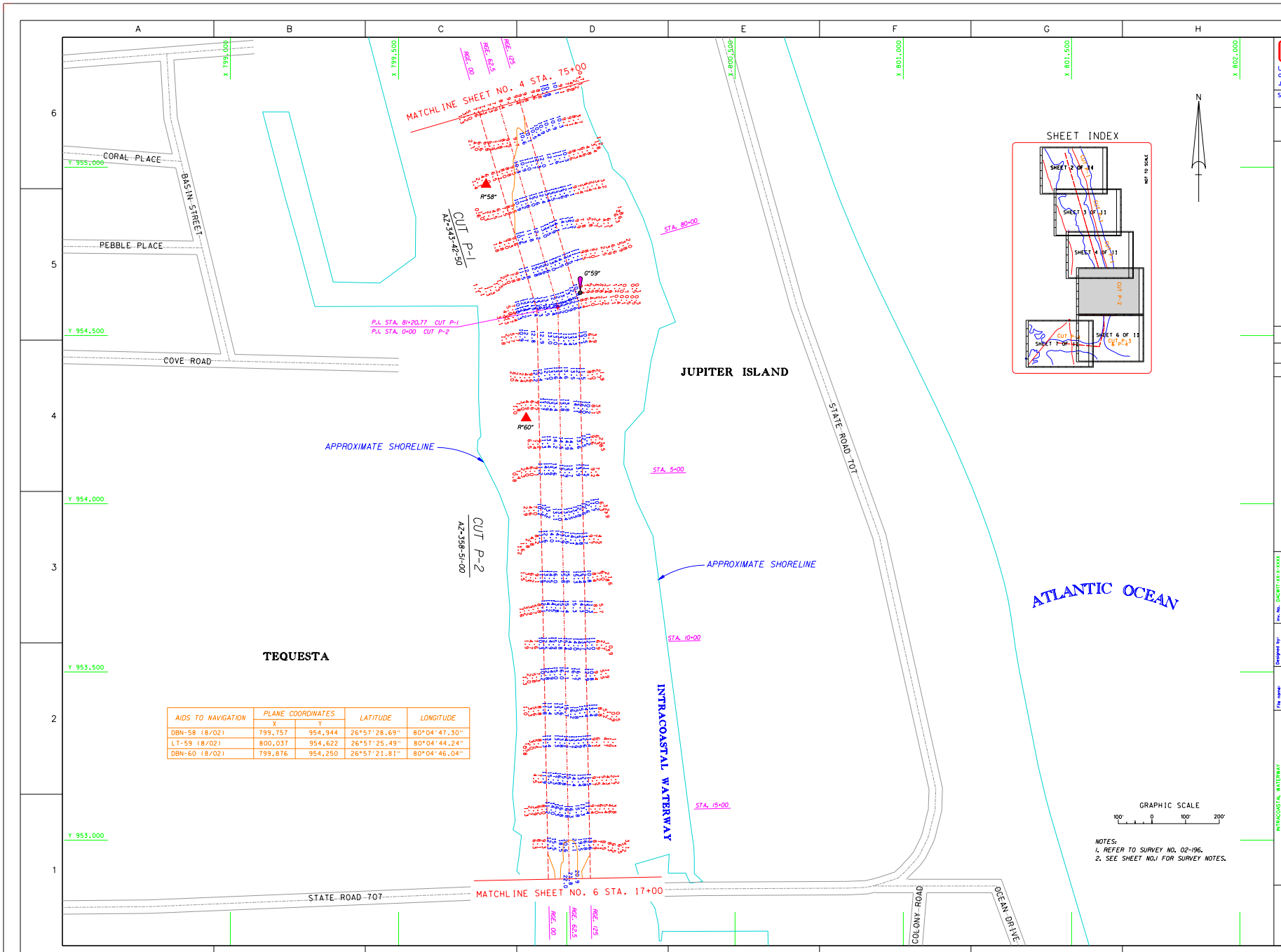

AIDS TO NAVIGATION	PLANE COORDINATES X	PLANE COORDINATES Y	LATITUDE	LONGITUDE
DBN-58 (8/02)	799,757	954,944	26°57'28.69"	80°04'47.30"
LT-59 (8/02)	800,037	954,622	26°57'25.49"	80°04'44.24"
DBN-60 (8/02)	799,876	954,250	26°57'21.81"	80°04'46.04"

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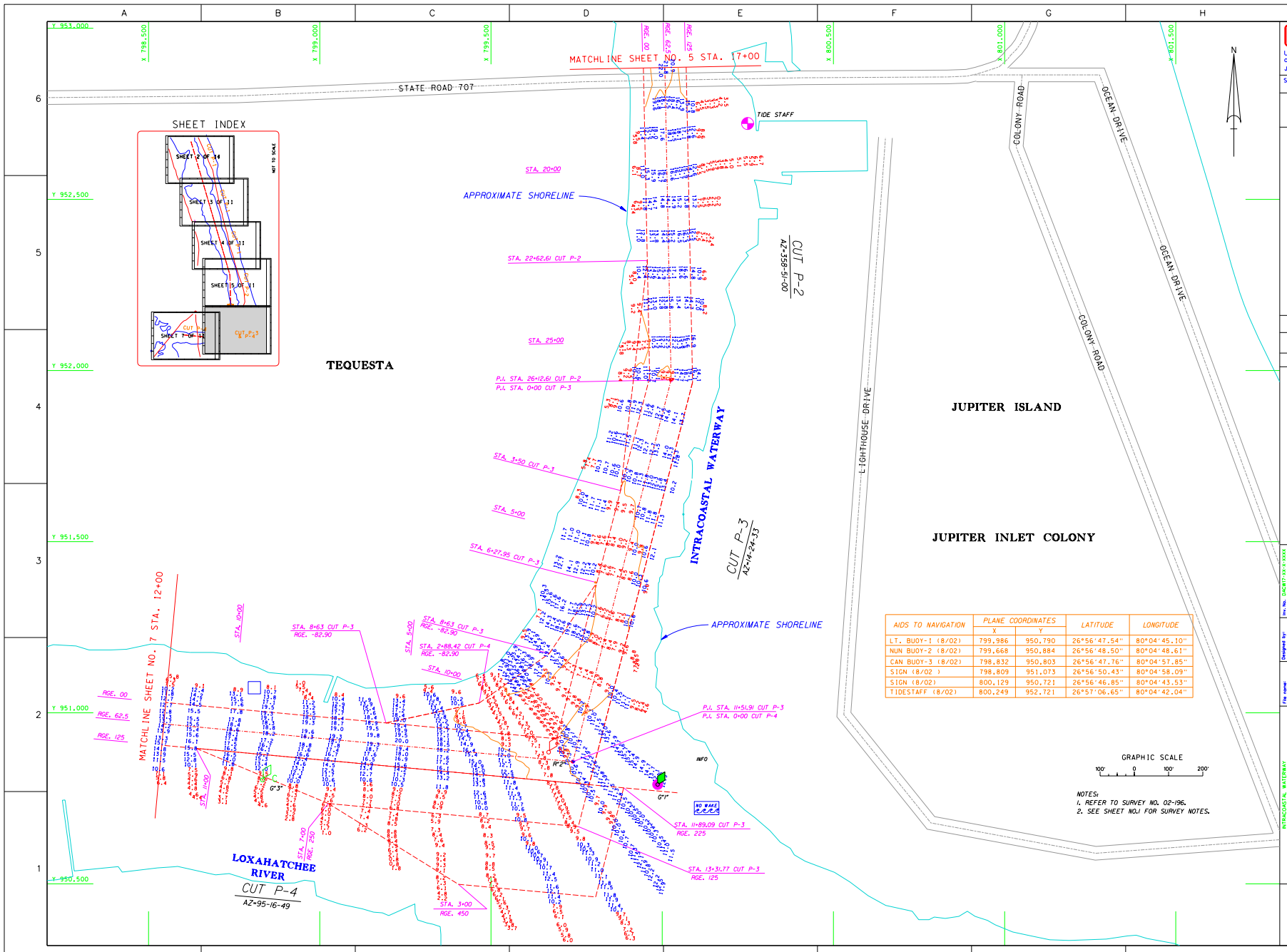

AIDS TO NAVIGATION	PLANE COORDINATES X	PLANE COORDINATES Y	LATITUDE	LONGITUDE
LT. BUOY-1 (8/02)	799,986	950,790	26°56'47.54"	80°04'45.10"
NUN BUOY-2 (8/02)	799,668	950,884	26°56'48.50"	80°04'48.61"
CAN BUOY-3 (8/02)	798,832	950,803	26°56'47.76"	80°04'57.85"
SIGN (8/02)	798,809	951,073	26°56'50.43"	80°04'58.09"
SIGN (8/02)	800,129	950,721	26°56'46.85"	80°04'43.53"
TIDESTAFF (8/02)	800,249	952,721	26°57'06.65"	80°04'42.04"

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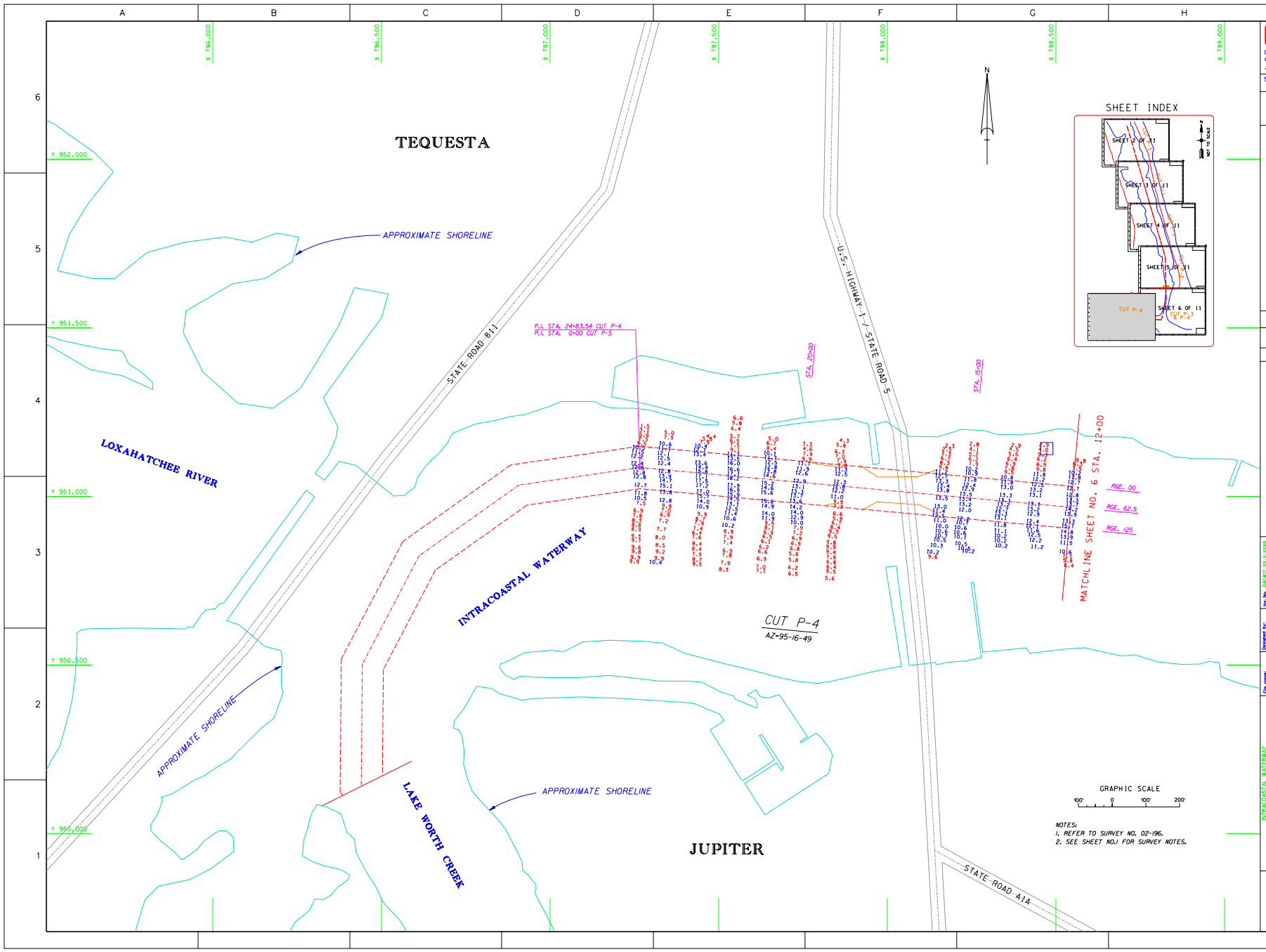

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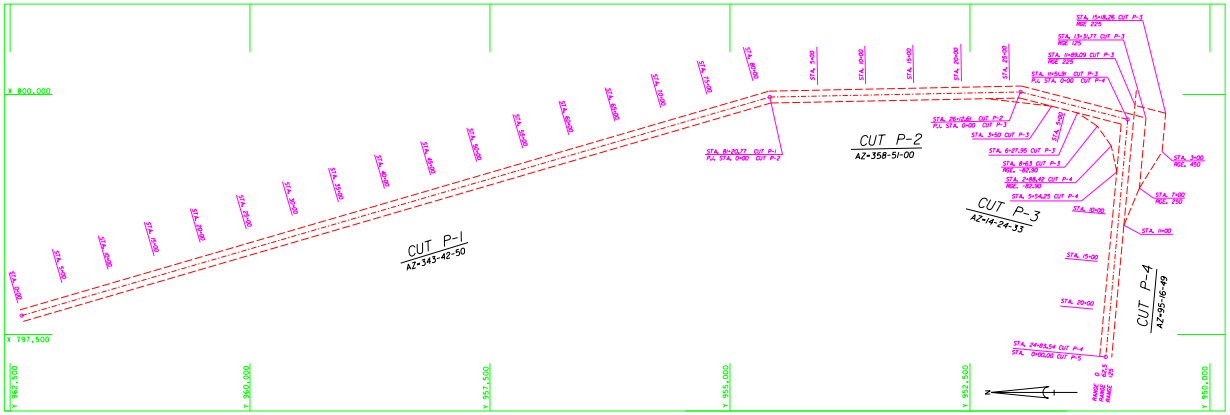

BENCHMARK	NGVD ELEV. (FT)
IWP-232	N/A
BOYNTON PARK	7.05
U-308	18.47
V-308	27.83
JIBE 42	N/A
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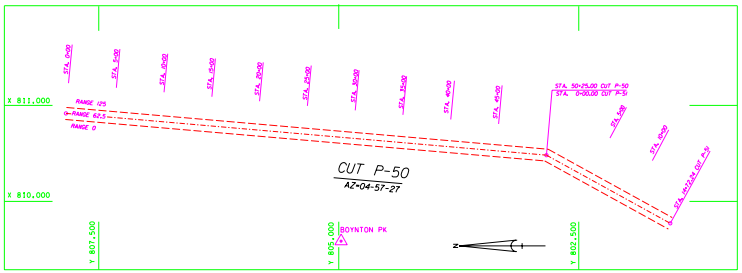
V-315	3.17



PALM BEACH COUNTY CENTERLINE CONTROL

CUT NAME STA. 0+00	PLANE COORDINATES (FEET) X (FEET)	Y (FEET)	CENTERLINE RANGE (FEET)	AZIMUTH
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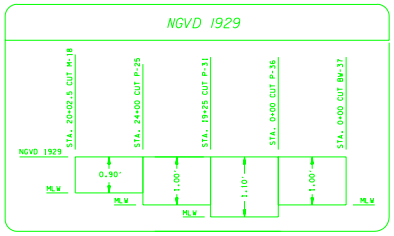

Relationship between NGVD 1929 and Mean Low Water

GRAPHIC SCALE

500' 0 500' 1000'

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

Fac. No. DACW17-3X-X-XXXX
Date: XX XXX XXXX
Scale: AS SHOWN
Plot date: XX XX XXXX
Plot scale: XXXX

Designed by: BTG
Drawn by: BTG
Chd by: BTG
Date: AUG 2002
D.O.FILE NO.

File name: DWG2HTC.DGN
Reference files: BIOFISB.DGN

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
VICINITY OF JUPITER INLET

PROJECT CONDITION SURVEY
10-FOOT PROJECT

CONTROL SHEET
PLAN

DRAWING NO.
8/8

SHEET 11 OF 11

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