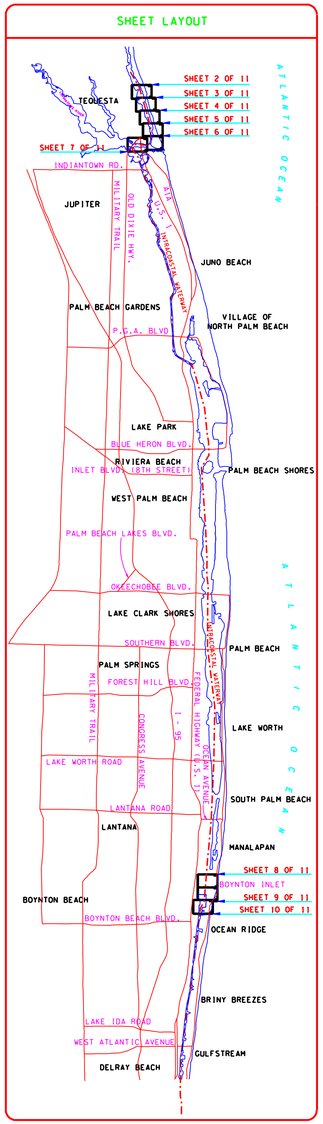
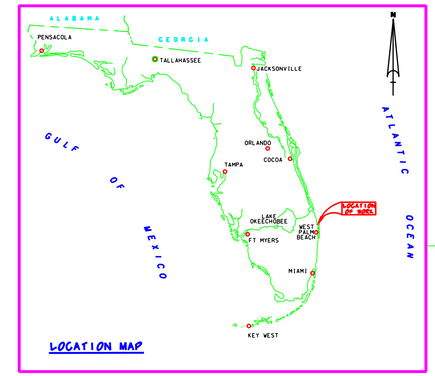
INTRACOASTAL WATERWAY
VICINITY OF JUPITER INLET
PALM BEACH COUNTY, FLORIDA
EMERGENCY
PROJECT CONDITION SURVEY
10-FOOT PROJECT

SHEET LAYOUT

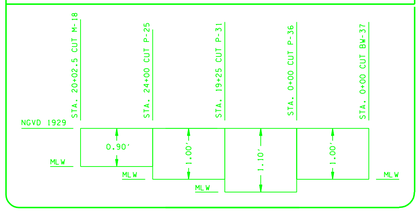




LOCATION MAP

BENCHMARK	NGVD ELEV. (FT)
U-308	18.47

NGVD 1929



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. 06-017.
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 BY ARC SURVEYING USING DIFFERENTIAL GPS FOR POSITIONING AND UTILIZING THE USCG NAVBEACON SYSTEM AS THE REFERENCE SITE. VERTICAL MEASUREMENTS WERE MADE USING A KNUDSEN DEPTH RECORDER WITH A 200KHZ (HIGH FREQUENCY) TRANSDUCER.

VESSEL	DATE OF SURVEY	CUT
GREY WITCH	27 OCT 2005	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. THIS CHART IS SOLELY FOR THE DISTRIBUTION OF AVAILABLE DEPTHS AT THE TIME OF THE SURVEY AND IS NOT TO BE USED FOR NAVIGATION.
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

Inv. No. DACW17-XX-X-XXXX
Dsign: XX XXX XXXX
Scale: AS SHOWN
Plot date: XX XX XXXX
Plot scale: 1:1
Designed by: WRP
Cut by: WRP
Dwn by: RCS
Date: OCT 2005
D.O.F.ILE NO.
File name: 06-017SH01.DGN
Reference files: GRIDMB.DGN SHEET1MAP.DGN

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

DRAWING NO.
1/7

SHEET 1 OF 11

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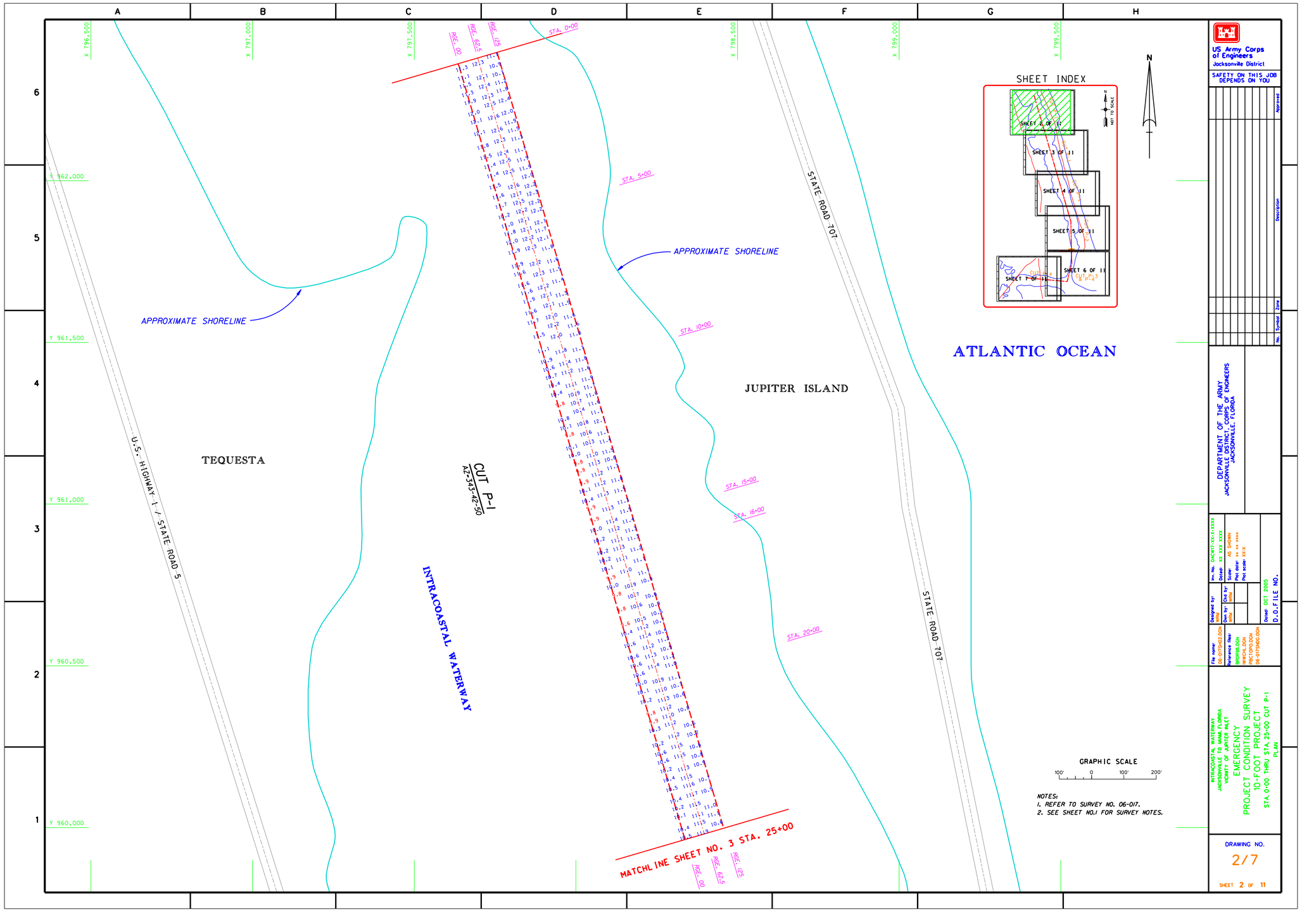

NOTES:
1. REFER TO SURVEY NO. 06-017.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

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

Inv. No. DACW17-XX-X-XXXX
Design XX XXX XXXX
Scale AS SHOWN
Plot date: XX XX XXXX
Plot name: XXXX
Dated OCT 2005
D.O.F ILE NO.

Designed by: WRM
Dwn by: WRM
Ckd by: GMN

File name: 06-017SHO2.DGN
Reference files: BMGN08.DGN BMGN09-CUT.DGN PSET01PO.DGN 06-017SHO0.DGN

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
NORTH PALM BEACH INLET
EMERGENCY
PROJECT CONDITION SURVEY
10-FOOT PROJECT
STA. 0+00 THRU STA. 25+00 CUT P-1
PLAN

DRAWING NO.
2/7

SHEET 2 OF 11

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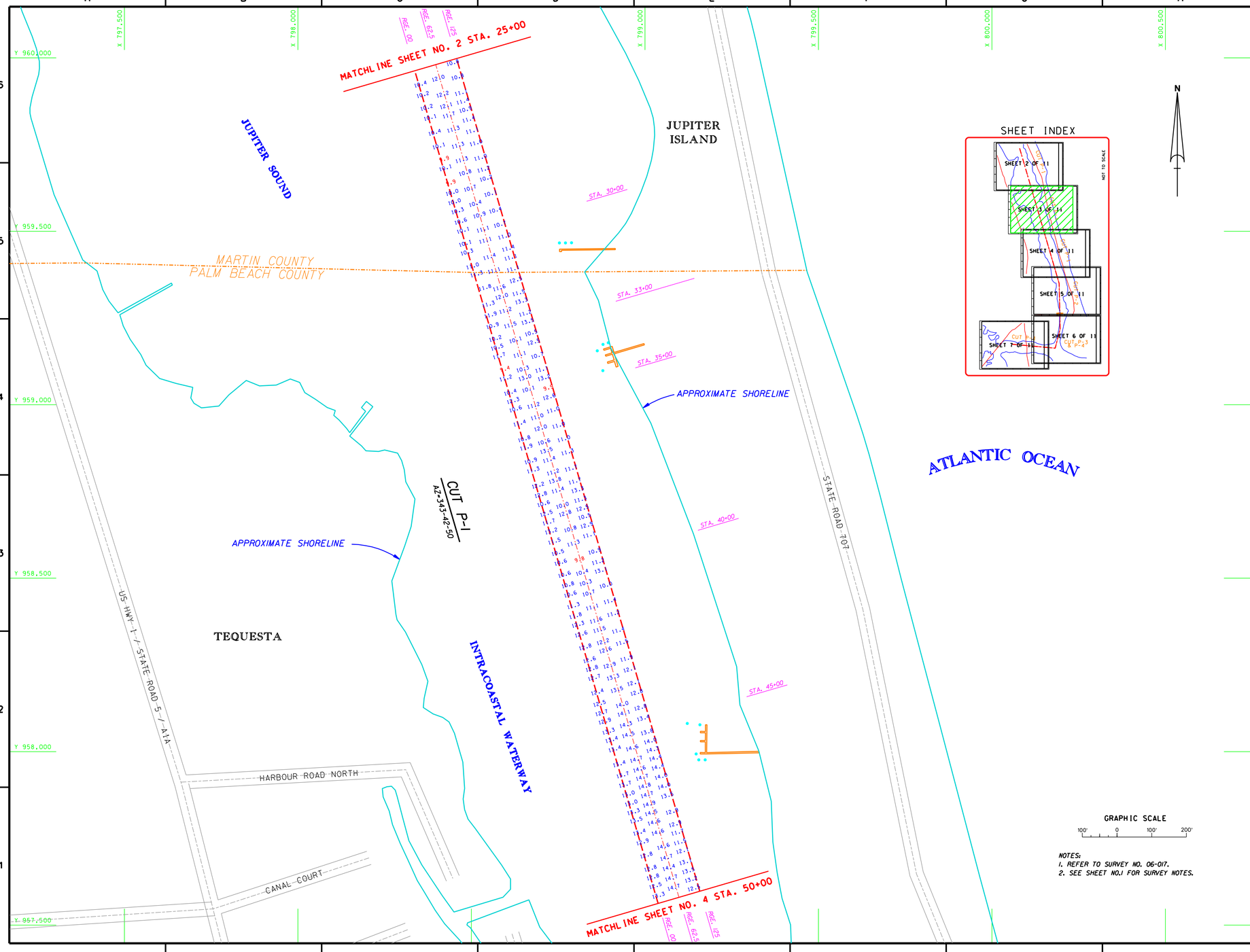

NOTES:
1. REFER TO SURVEY NO. 06-017.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

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

Inv. No. DACW17-XX-X-XXXX
Dsign: XX XXX XXXX
Scale: AS SHOWN
Plot date: XX XX XXXX
Pen width: XX.X

Designed by: WRB
Dwn by: GRU
Ckd by: WRB
Date: OCT 2005
D.O.F.ILE NO.

File name: G045SH03.DGN
Reference files: BROWSE.DGN
MAPPING.DGN
PBCTOPO.DGN
DOCKS.DGN
06-017SHOC.DGN

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
VICINITY OF JUPITER INLET
EMERGENCY
PROJECT CONDITION SURVEY
10-FOOT PROJECT
STA. 25+00 THRU STA. 50+00 CUT P-1
PLAN

DRAWING NO.
3/7

SHEET 3 OF 11

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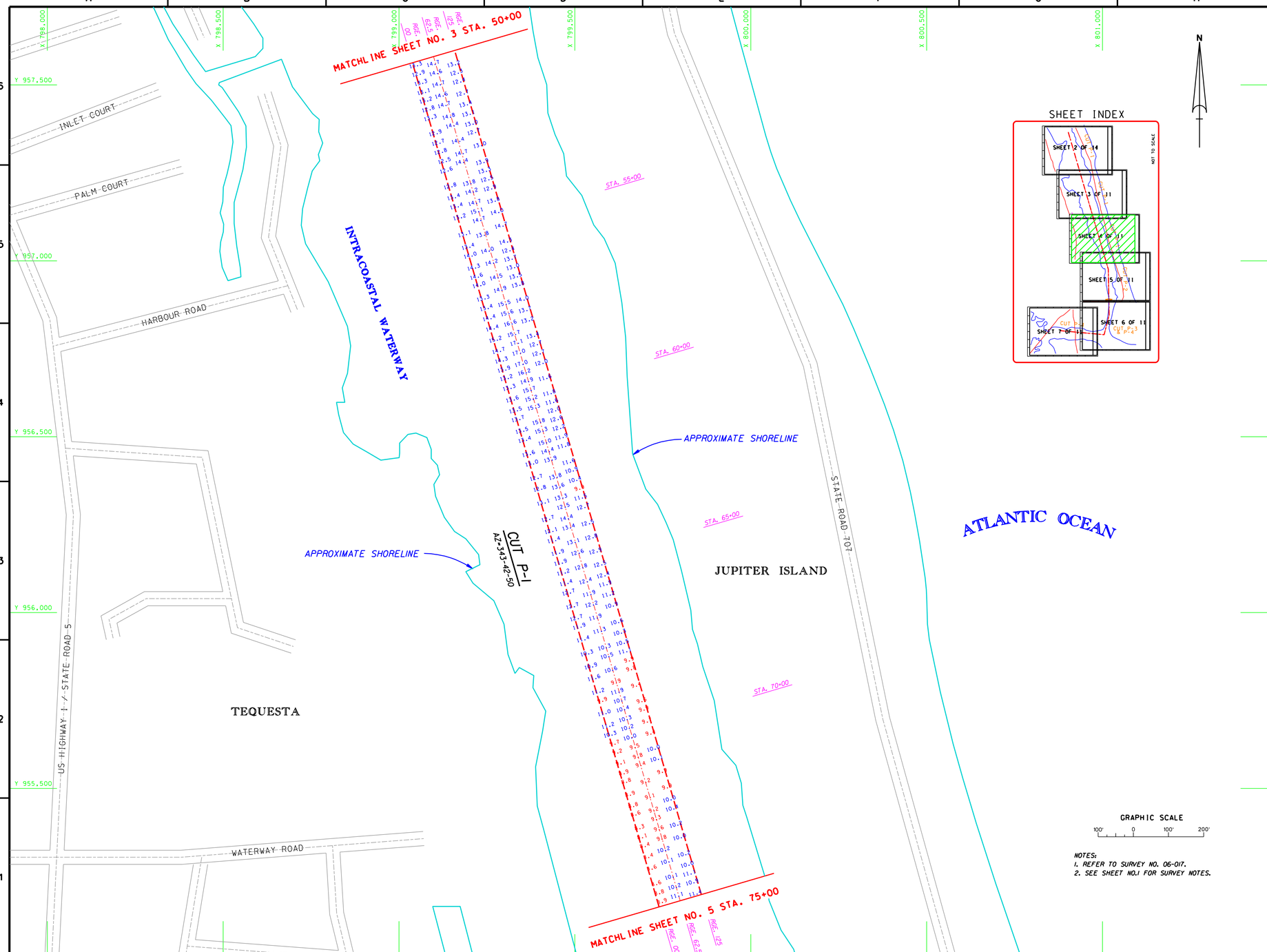

NOTES:
1. REFER TO SURVEY NO. 06-017.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

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

Inv. No. DACW17-XX-X-XXXX
Dated: XX XXX XXXX
Scale: AS SHOWN
Plot date: XX XX XXXX
Plot scale: XX:X

Designed by: MRW
Dwn by: MRW
Ckd by: MRW
Dated: OCT 2005
D.O.FILE NO.

File name: 06-017SH04.DGN
Reference files: BKGRND.DGN TOPO06-017.DGN PRECTOPO.DGN 06-017SH00.DGN

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
VICINITY OF JUPITER INLET

EMERGENCY
PROJECT CONDITION SURVEY
10-FOOT PROJECT
STA. 50+00 THRU STA. 75+00 CUT P-1
PLAN

DRAWING NO.
4/8

SHEET 4 OF 11

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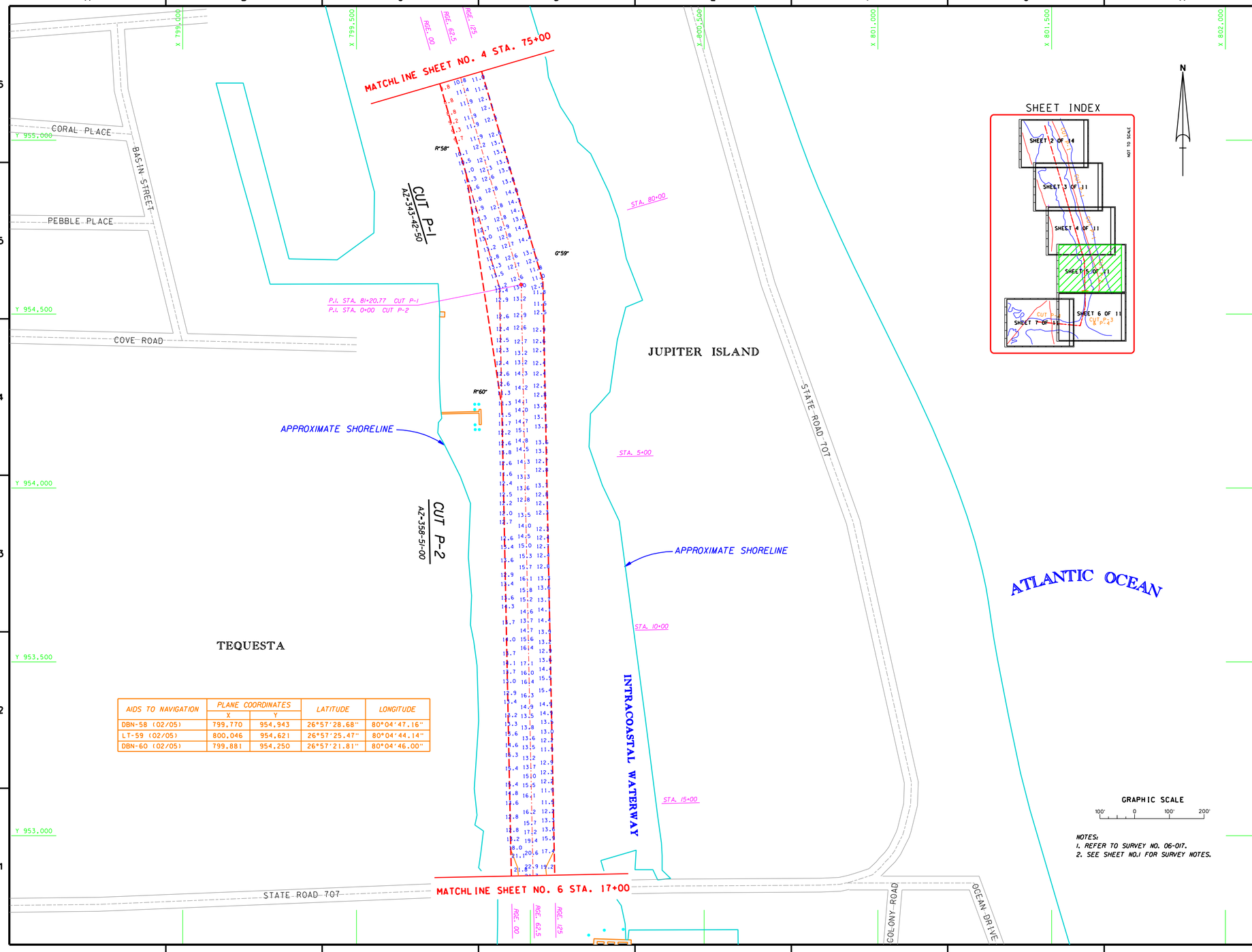

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-58 (02/05)	799,770	954,943	26°57'28.68"	80°04'47.16"
LT-59 (02/05)	800,046	954,621	26°57'25.47"	80°04'44.14"
DBN-60 (02/05)	799,881	954,250	26°57'21.81"	80°04'46.00"

NOTES:
1. REFER TO SURVEY NO. 06-017.
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

Inv. No. DACW17-XX-X-XXXX
Dated: XX XXX XXXX
Scale: AS SHOWN
Plot date: XX XX XXXX
Plot time: XX:X

Designed by: CHARLES
Dwn by: MPM
Ckd by: MPM

Dated: OCT 2005
D.O.F.FILE NO.

File name: 06-017SH05.DGN
Reference files: BRDRHS.DGN BRIDGE.DGN PRECTOD.DGN DOCKS.DGN 06-017DHS0.DGN

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
VICINITY OF JUPITER INLET

EMERGENCY
PROJECT CONDITION SURVEY
10-FOOT PROJECT
STA. 75+00 CUT P-1 THRU STA. 17+00 CUT P-2
PLAN

DRAWING NO.
5/7

SHEET 5 OF 11

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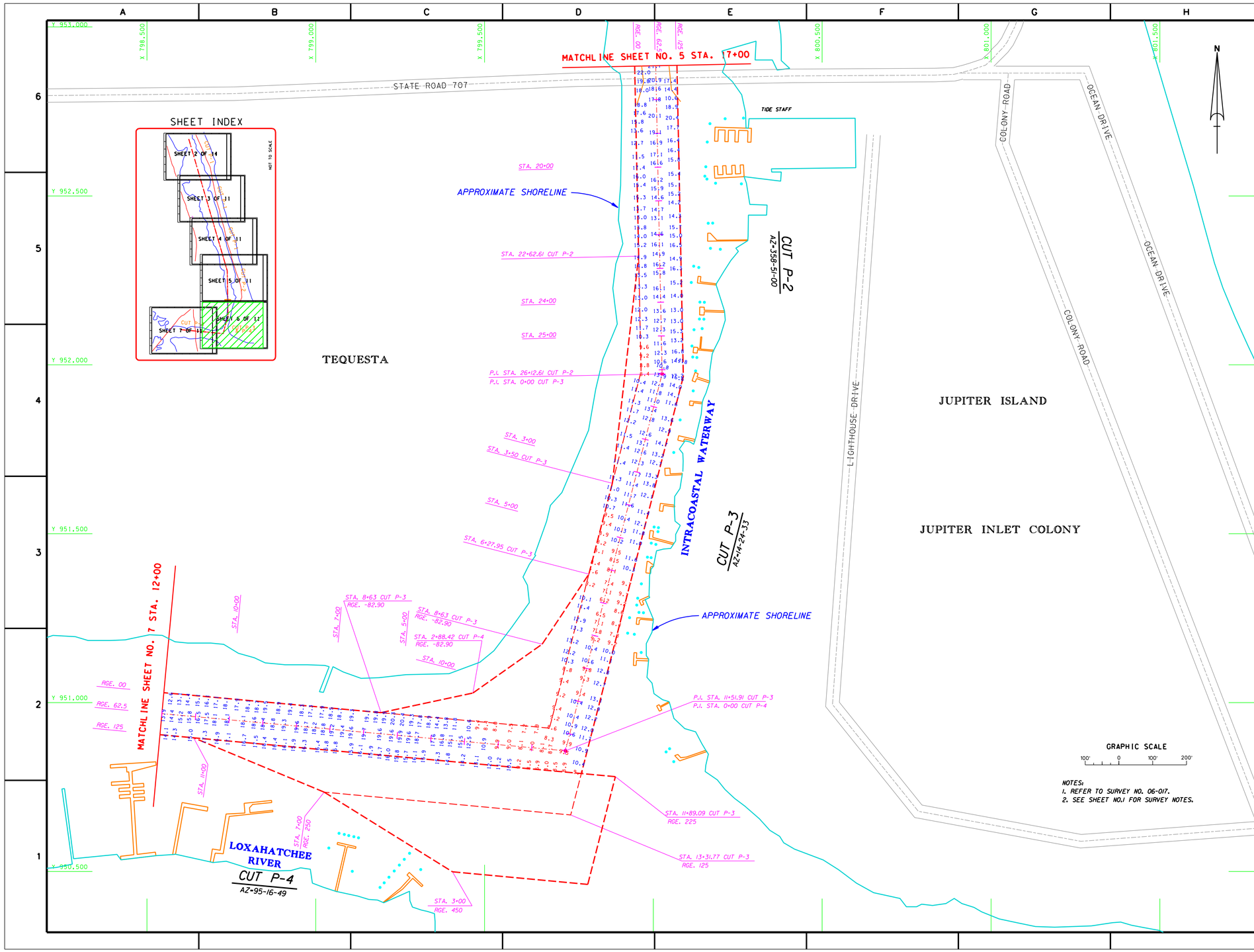

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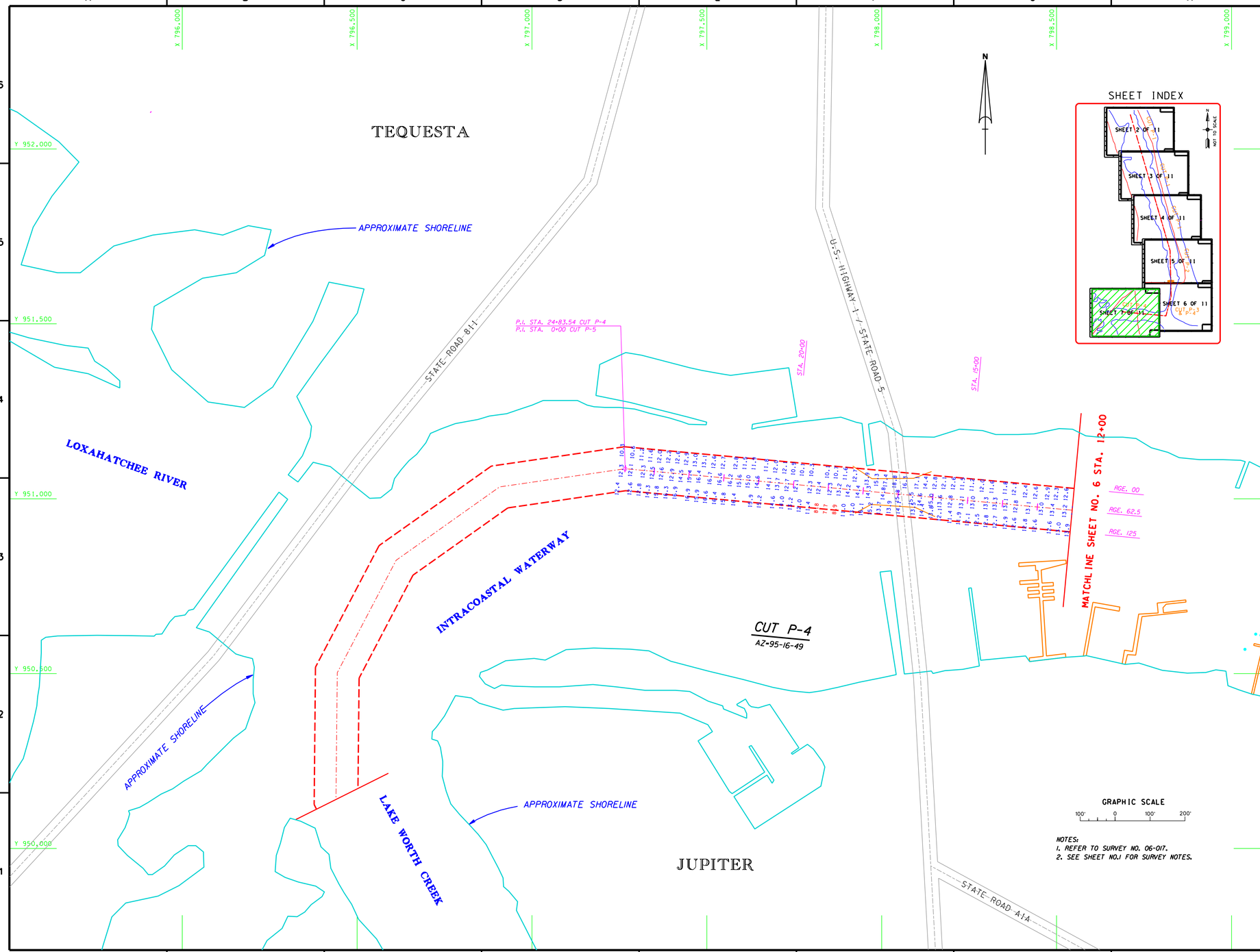

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