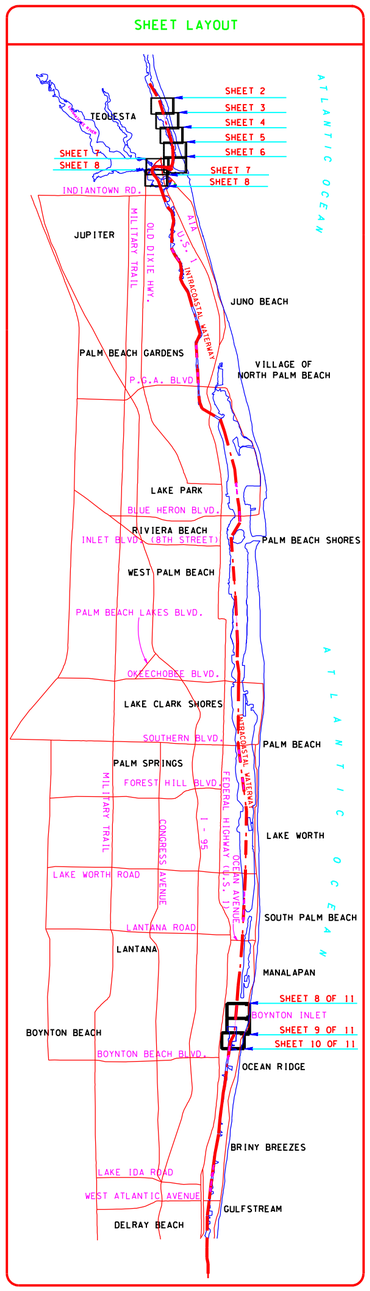
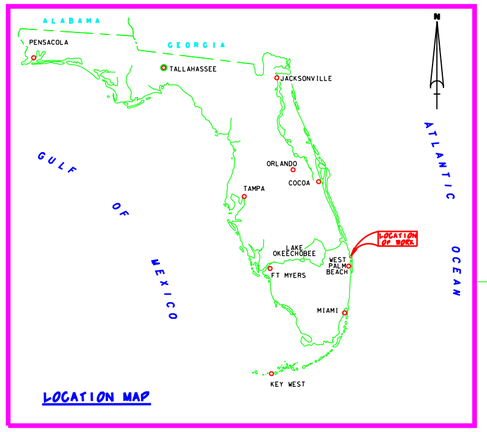
# INTRACOASTAL WATERWAY
# VICINITY OF JUPITER INLET
# PALM BEACH COUNTY, FLORIDA
# PROJECT CONDITION SURVEY
# 10-FOOT PROJECT

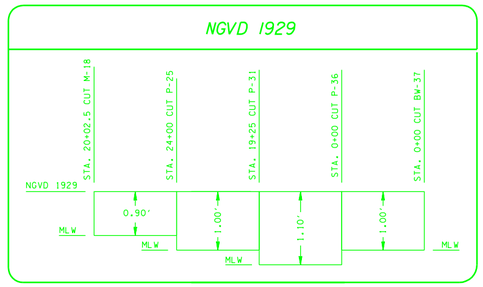
## SHEET LAYOUT




| 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 |
| C | CAN BUOY |
| N | NUN BUOY |
| | TIDE STAFF |

### SURVEY NOTES:

1. REFER TO SURVEY NO. 07-079.
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 A ROSS SMART SOUNDER DEPTH RECORDER WITH A 200KHZ (HIGH FREQUENCY) TRANSDUCER.

| VESSEL | DATE OF SURVEY | CUT |
|---|---|---|
| WB-34 | 30 MAY 2007 | P-1 THRU P-9 |

9. AIDS TO NAVIGATION WERE NOT 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
Dated: XX XXX XXXX
Scale: AS SHOWN
Plot date: XX XX XXXX
Plot scale: XXX

Designed by: WRM
Dwn by: ACS
Ckd by: JRW
Dated: MAY 2007
D.O.FILE NO.

File name: 07-079SHOLDGN
Reference files: BROR98.DGN NEWFLMAP.DGN IWWCHL.DGN

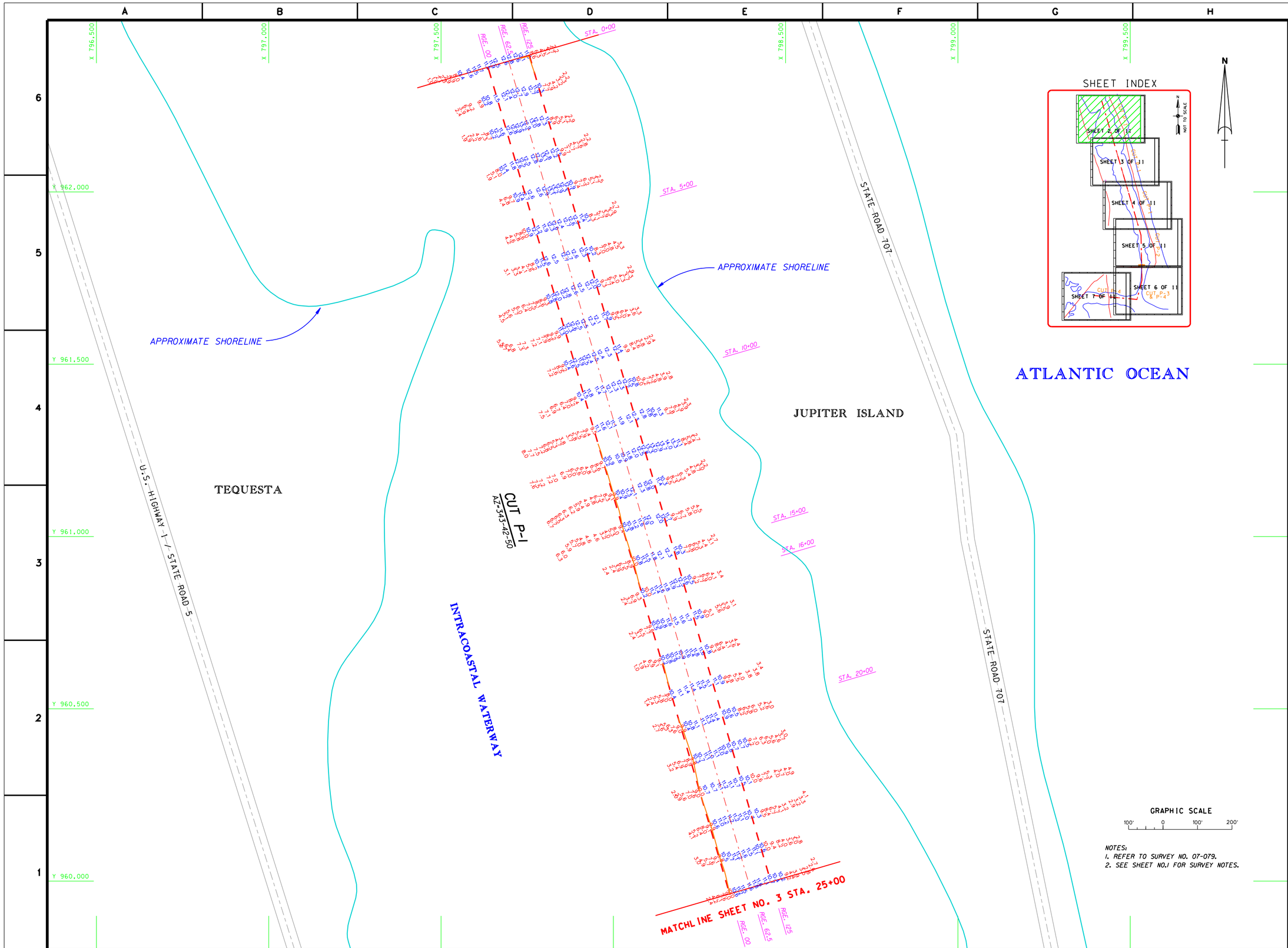
INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
VICINITY OF JUPITER INLET

PROJECT CONDITION SURVEY
10-FOOT PROJECT

COVER AND INDEX SHEET
PLAN

DRAWING NO.
1/8

SHEET 1 OF XX




NOTES:
1. REFER TO SURVEY NO. 07-079.
2. SEE SHEET NO.1 FOR SURVEY 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

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

Designed by: WMJ
Dwn by: KCS
Ckd by: WMJ

Dated: MAY 2007
D.O. FILE NO.

File name: 07-079SH02.DGN
Reference files: BRDRS6.DGN, WWCHL.DGN, PBCTOP01.DGN, 07-079PO1.DGN, CONN1.DGN

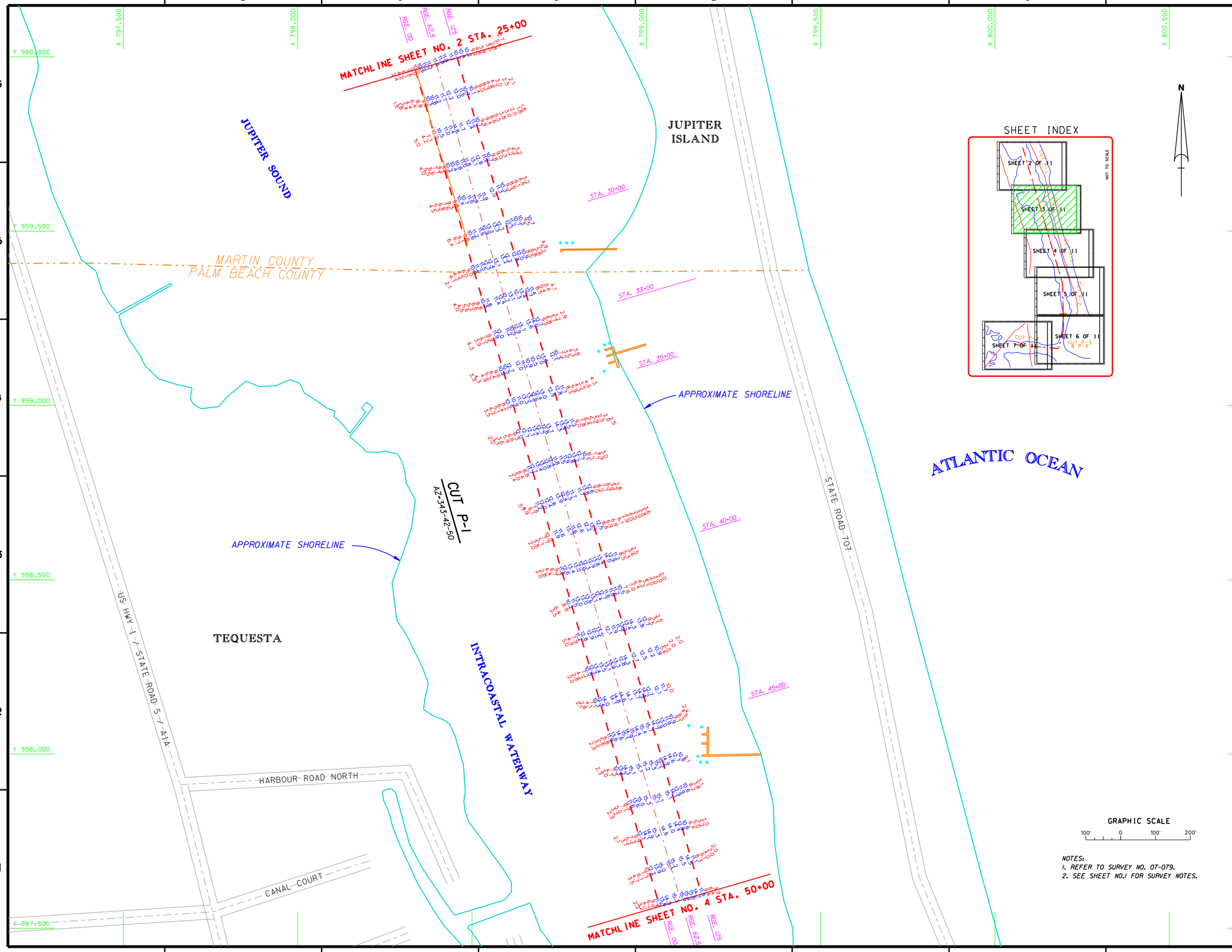
INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
VICINITY OF JUPITER INLET

PROJECT CONDITION SURVEY
10-FOOT PROJECT

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

DRAWING NO.
2/8

SHEET 2 OF XX




NOTES:
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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

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

Designed by: WRM
Dwn by: KCS
Ckd by: WRM
Dated: MAY 2007
D.O.FILE NO.

File name: 07-079SH03.DGN
Reference files: BRDRSB.DGN, WWCHL.DGN, PBCTOPO.DGN, DOCKS.DGN, CONIO.DGN, 07-079PO1.DGN

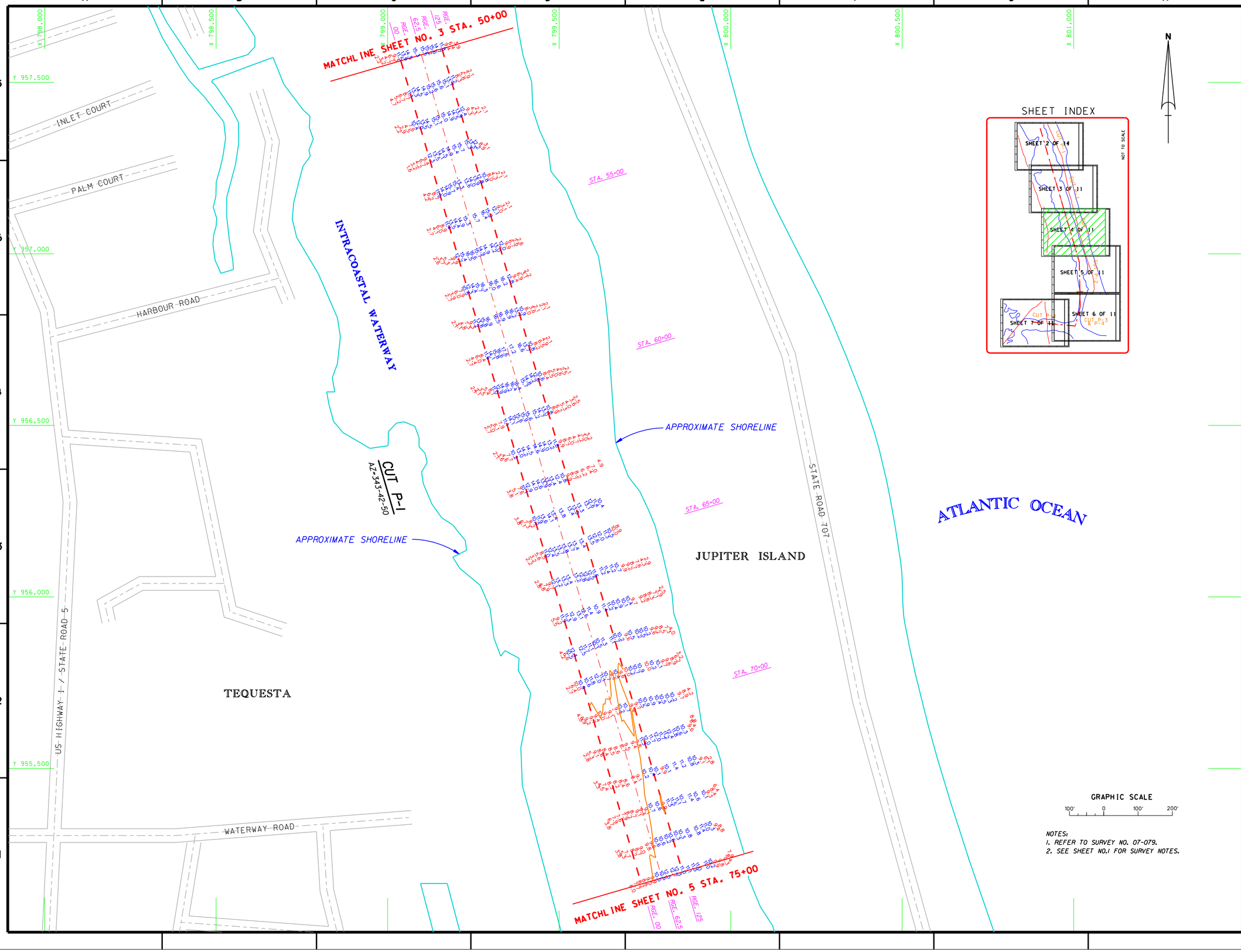
INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
VICINITY OF JUPITER INLET

PROJECT CONDITION SURVEY
10-FOOT PROJECT

STA. 25+00 THRU STA. 50+00 CUT P-1
PLAN

DRAWING NO.
3/8

SHEET 3 OF XX




NOTES:
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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

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

Designed by: WRU
Dwn by: KES
Ckd by: WRU

Date: MAY 2007
D.O.FILE NO.

File name: 07-079SHD4.DGN
Reference files: BRDRSB.DGN, IWWCHL.DGN, PBCTOPO.DGN, CONTO.DGN, 07-079PFOL.DGN

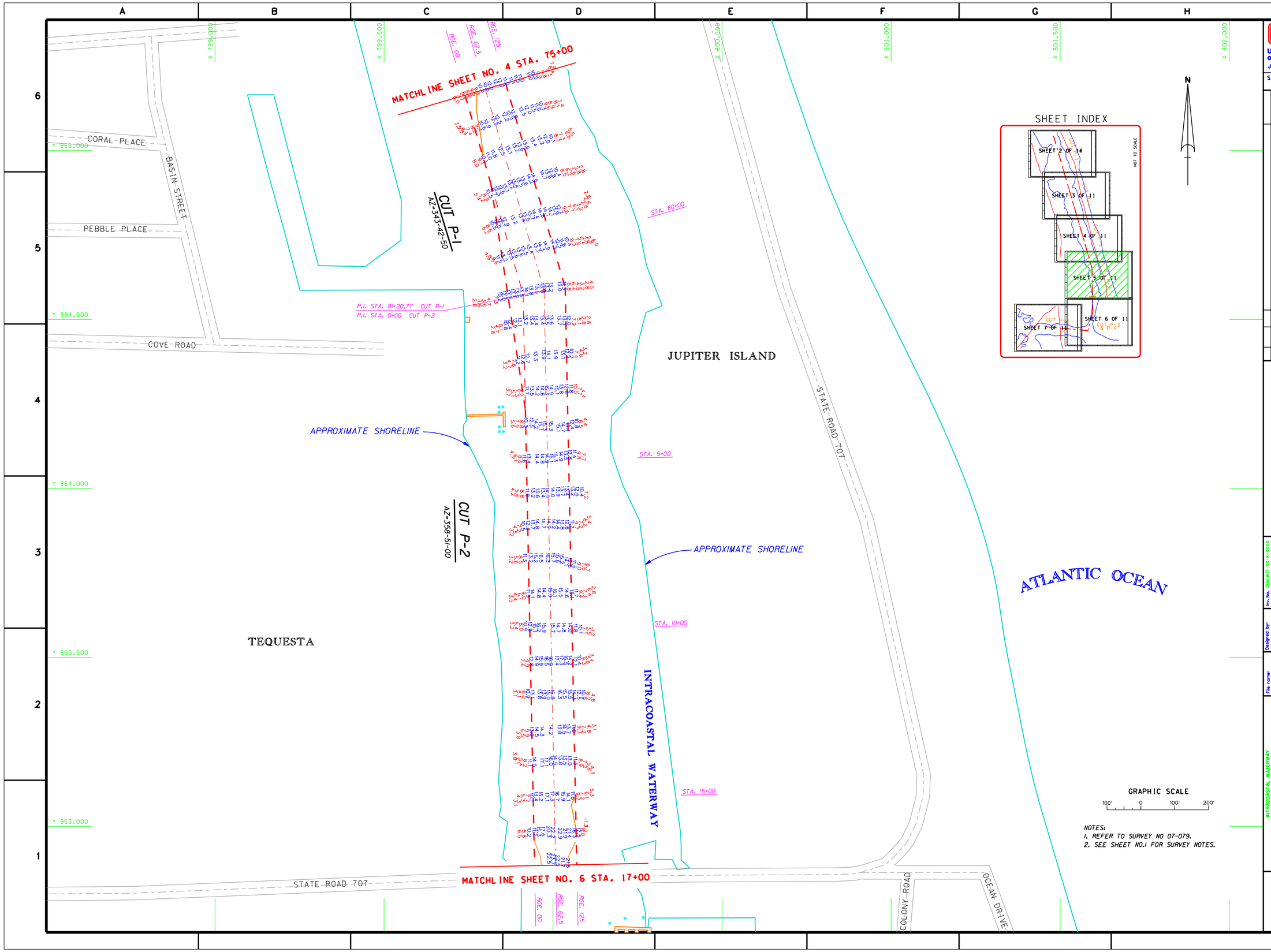
INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
VICINITY OF JUPITER INLET

PROJECT CONDITION SURVEY
10-FOOT PROJECT

STA. 50+00 THRU STA. 75+00 CUT P-1
PLAN

DRAWING NO.
4/8

SHEET 4 OF XX




NOTES:
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US Army Corps of Engineers
Jacksonville District

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

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

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

Designed by: WRM
Dwn by: CES
Ckd by: WRM

Dated: MAY 2007
D.O.F.ILE NO.

File name: 07-079SH05.DGN
Reference files: BRDRSB.DGN, WWCHL.DGN, PBCTOPO.DGN, DOCKS.DGN, 07-079SH01.DGN, 07-079PIO2.DGN, CONTO.DGN

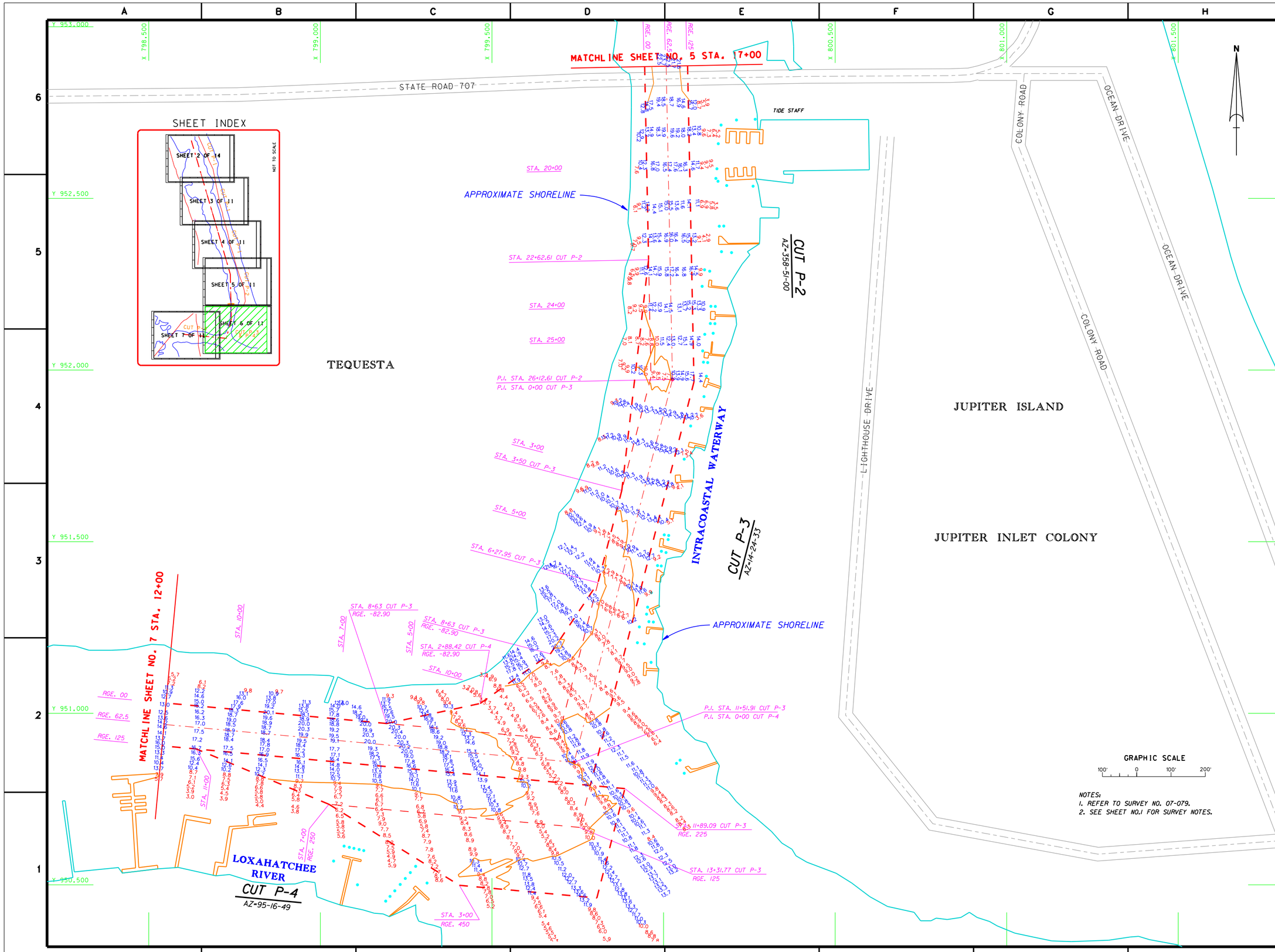
INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
VICINITY OF JUPITER INLET

PROJECT CONDITION SURVEY
10-FOOT PROJECT

STA. 75+00 CUT P-1 THRU STA. 17+00 CUT P-2
PLAN

DRAWING NO.
5/8

SHEET 5 OF XX




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

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

Designed by: WRM
Dwn by: KES
Ckd by: WRM
Dated: MAY 2007
D.O.FILE NO.

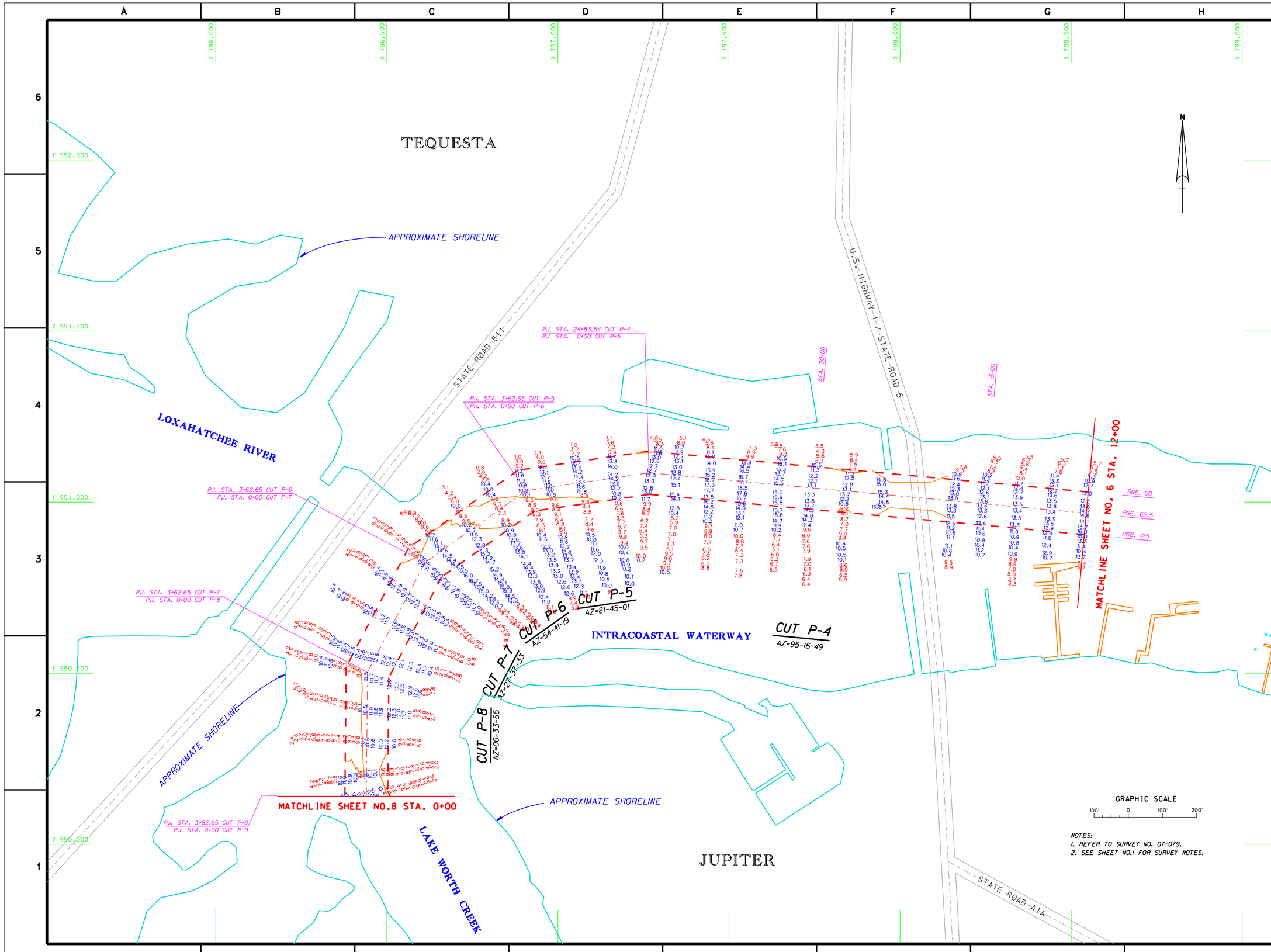
File name: 07-079SH06.DGN
Reference files: BR0988.DGN IWWCHL.DGN IWCOL.DGN 07-079SH01.DGN DOCKS.DGN 07-079PO2.DGN 07-079PO4.DGN CONTO.DGN

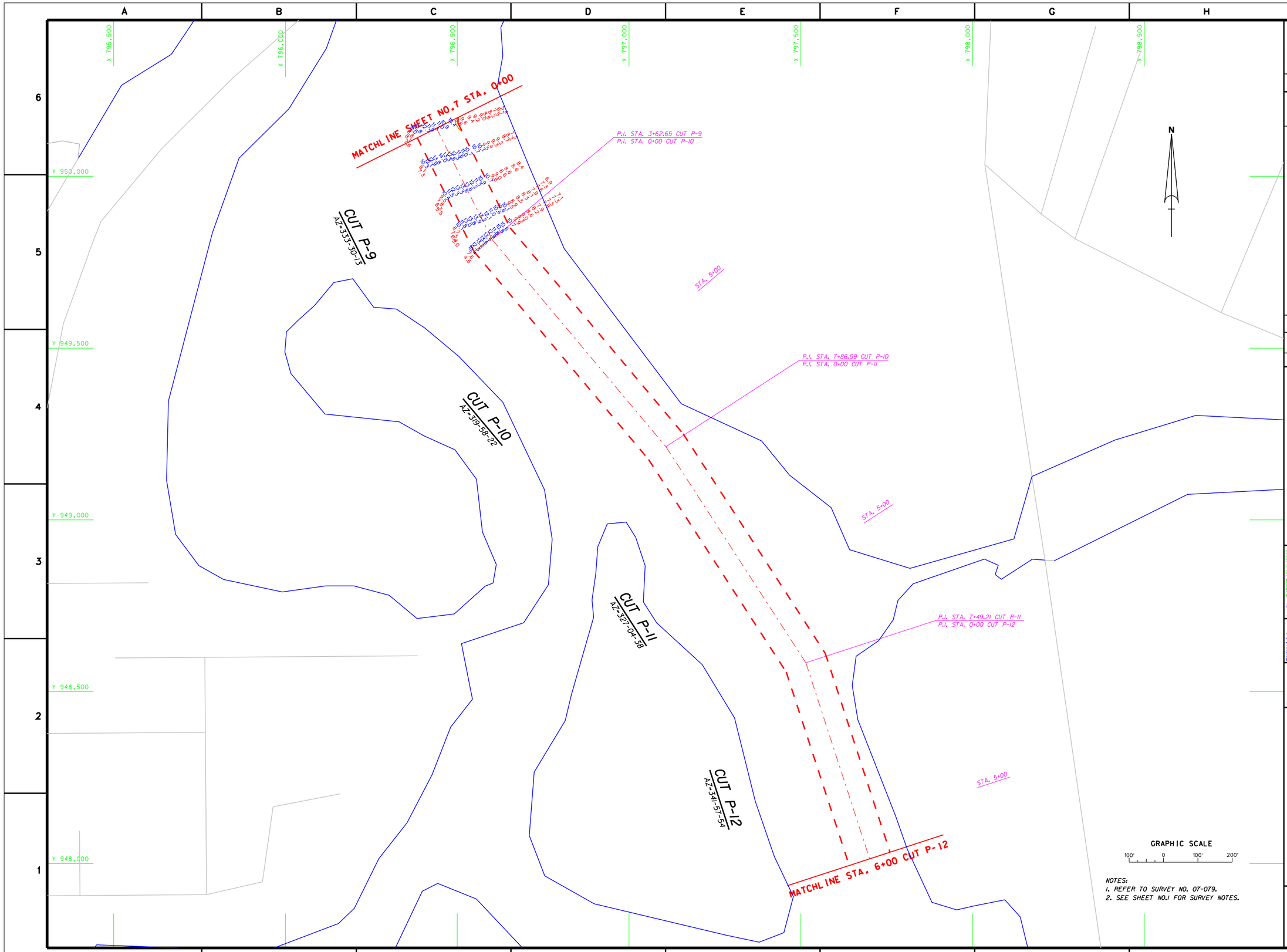
INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
VICINITY OF JUPITER INLET

PROJECT CONDITION SURVEY
10-FOOT PROJECT
STA. 17+00 CUT P-2 THRU STA. 12+00 CUT P-3
AND CUT P-4
PLAN

DRAWING NO.
6/8

SHEET 6 OF XX


TEQUESTA
JUPITER
LOXAHATCHEE RIVER
LAKE WORTH CREEK
INTRACOASTAL WATERWAY
APPROXIMATE SHORELINE
STATE ROAD 811
U.S. HIGHWAY 1 / STATE ROAD 5
STATE ROAD A1A
CUT P-4
AZ=95-16-49
CUT P-5
AZ=81-45-01
CUT P-6
AZ=54-41-19
CUT P-7
AZ=27-37-53
CUT P-8
AZ=00-33-55
P.I. STA. 24+83.54 CUT P-4
P.I. STA. 0+00 CUT P-5
P.I. STA. 3+62.65 CUT P-5
P.I. STA. 0+00 CUT P-6
P.I. STA. 3+62.65 CUT P-6
P.I. STA. 0+00 CUT P-7
P.I. STA. 3+62.65 CUT P-7
P.I. STA. 0+00 CUT P-8
P.I. STA. 3+62.65 CUT P-8
P.I. STA. 0+00 CUT P-9
STA. 20+00
STA. 15+00
MATCHLINE SHEET NO. 6 STA. 12+00
MATCHLINE SHEET NO.8 STA. 0+00
RGE. 00
RGE. 62.5
RGE. 125
GRAPHIC SCALE
100' 0 100' 200'
NOTES:
1. REFER TO SURVEY NO. 07-079.
2. SEE SHEET NO.1 FOR SURVEY NOTES.
US Army Corps of Engineers
Jacksonville District
SAFETY ON THIS JOB DEPENDS ON YOU
DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA
INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
VICINITY OF JUPITER INLET
PROJECT CONDITION SURVEY
10-FOOT PROJECT
STA. 12+00 THRU STA. 24+83.54 CUTS
P-4, P-5, P-6, P-7, P-8
PLAN
DRAWING NO.
7/8
SHEET 7 OF XX

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Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

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

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: XXX

Designed by: WMJ
Dwn by: KCS
Ckd by: WMJ

Dated: MAY 2007
D.O. FILE NO. XXX-XX-XXX

File name: 07-079SHO8.DGN
Reference files: BROWSE.DGN, WWCHL.DGN, PALMBASE.DGN, 07-079PO9.DGN, CONTO.DGN

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
VICINITY OF JUPITER INLET
PROJECT CONDITION SURVEY
10-FOOT PROJECT
STA. 12+00 THRU STA. 24+83.54 CUT P-9
PLAN

DRAWING NO.
8/8

SHEET 8 OF XXX