

INTRACOASTAL WATERWAY JACKSONVILLE TO MIAMI, FLORIDA CUTS P-34 THRU P-39 & P-52 THRU P-59 EXAMINATION SURVEY FY10 10-FOOT PROJECT

SURVEY NOTES:

1. REFER TO SURVEY NO. 10-113.
2. ELEVATIONS ARE IN FEET AND TENTHS AND REFER TO NOAA'S REPORTED MEAN LOWER LOW WATER RELATIVE TO THE 1983-2001 TIDAL EPOCH USING VDATUM.
3. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (-) SIGN.
4. TIDAL REDUCTIONS WERE MADE UTILIZING REAL-TIME KINEMATIC GPS WITH A HYPACK KINEMATIC TIDE DATUM MODEL PRODUCED USING VDATUM.
5. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE EAST ZONE OF FLORIDA AND REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD83).
6. ALL AZIMUTHS ARE GRID; RECKONED CLOCKWISE FROM SOUTH.
7. ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
8. SURVEY WAS PERFORMED USING REAL-TIME GPS FOR POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATIONS:

- *REFERENCE BASE LOCATED AT "WOLFE, 2010"
NORTHING: 888,070.30'
EASTING: 971,557.04'
NAVD88 ELEVATION: 5.01'
- *REFERENCE BASE LOCATED AT "MPB-101, 2010"
NORTHING: 868,179.56'
EASTING: 968,564.58'
NAVD88 ELEVATION: 2.80'
- *REFERENCE BASE LOCATED AT "U-233"
NORTHING: 806,230.29'
EASTING: 964,617.69'
NAVD88 ELEVATION: 9.83'
- *TIDE STAFF LOCATED AT "A-310"
MLLW ELEVATION: 5.69'
- *TIDE STAFF LOCATED AT "BOYNTON PARK"
MLLW ELEVATION: 7.67'
- *MEASURE DOWN POINT LOCATED AT "MPB-10"
MLLW ELEVATION: 5.35'

VERTICAL MEASUREMENTS WERE MADE USING A ROSS SMARTSOUNDER DUAL-FREQUENCY 28/200KHZ SINGLE-BEAM TRANSDUCER. ALL DEPTHS SHOWN ARE HIGH FREQUENCY (200KHZ).

| VESSEL | DATE OF SURVEY | CUT |
|--------|----------------|-----------------|
| WB-32 | 10-11 AUG 2010 | P-33A THRU P-40 |
| WB-32 | 11-12 AUG 2010 | P-51 THRU P-60 |

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 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.

MAP NOTES:

1. THERE ARE A TOTAL OF 76 MAP SHEETS COVERING PALM BEACH COUNTY, INCLUDING THE COVER SHEET.
2. THERE ARE A TOTAL OF 18 MAP SHEETS IN THIS CURRENT MAP SET.
3. MAP SCALE OF DRAWINGS IS 1" = 200' FOR HALF-SIZE (ANSI C) DRAWINGS AND 1" = 100' FOR FULL-SIZE DRAWINGS (ANSI E).
4. MAP SHEET INDEX 1 COVERS SHEETS 2-26, MAP SHEET INDEX 2 COVERS SHEETS 27-51, AND MAP INDEX SHEET 3 COVERS SHEETS 52-76.

| BENCHMARK | NAVD ELEV.(FT) |
|---------------|----------------|
| WOLFE, 2010 | 5.01 |
| MPB-101, 2010 | 2.80 |
| U-233 | 9.83 |

| LEGEND | |
|--------|--------------------|
| • BM | BENCHMARK |
| ⬮ | LIGHTED BEACON |
| ⬮ | GREEN DAY BEACON |
| ⬮ | RED DAY BEACON |
| ⬮ | RED LIGHTED BUOY |
| ⬮ | GREEN LIGHTED BUOY |
| ⬮ | CAN BUOY |
| ⬮ | MUN BUOY |
| ⬮ | TIDE STAFF |
| ⬮ | PROJECT DEPTH |

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
EXAMINATION SURVEY FY10
10-FOOT PROJECT
INDEX, VICINITY AND LOCATION
PLAN

Scale: AS SHOWN
Drawing no. 1/18
SHEET 1 OF 76



US Army Corps of Engineers
Jacksonville District

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DEPENDS ON YOU

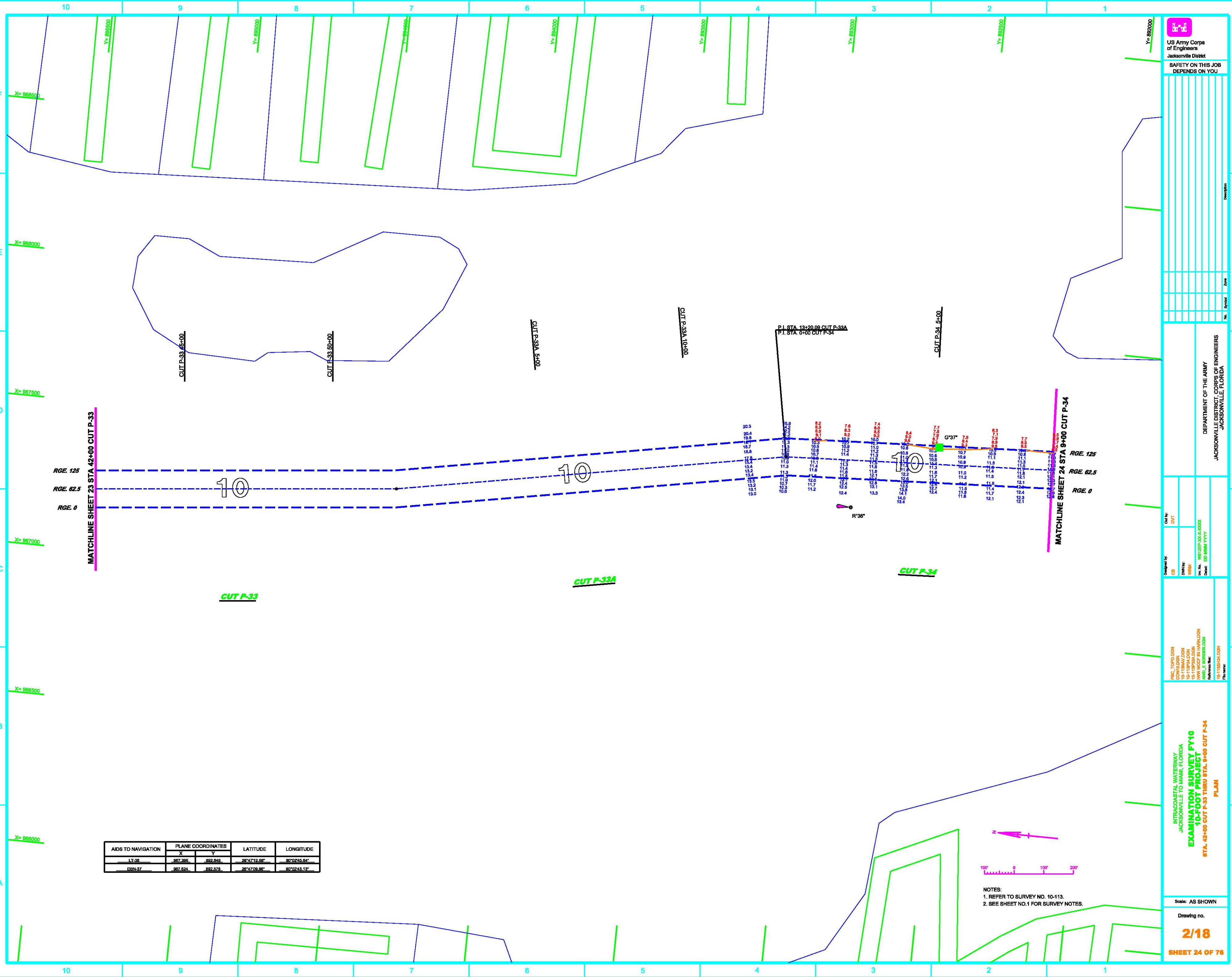
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DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Designed by: CB
Checked by: WRM
Date: 10/11/11
DWG No: 10-113P4-LDN
Rev No: WML/SEP 04-1000
Date: 10/11/11
Reference Map: 10-113SH-LDN

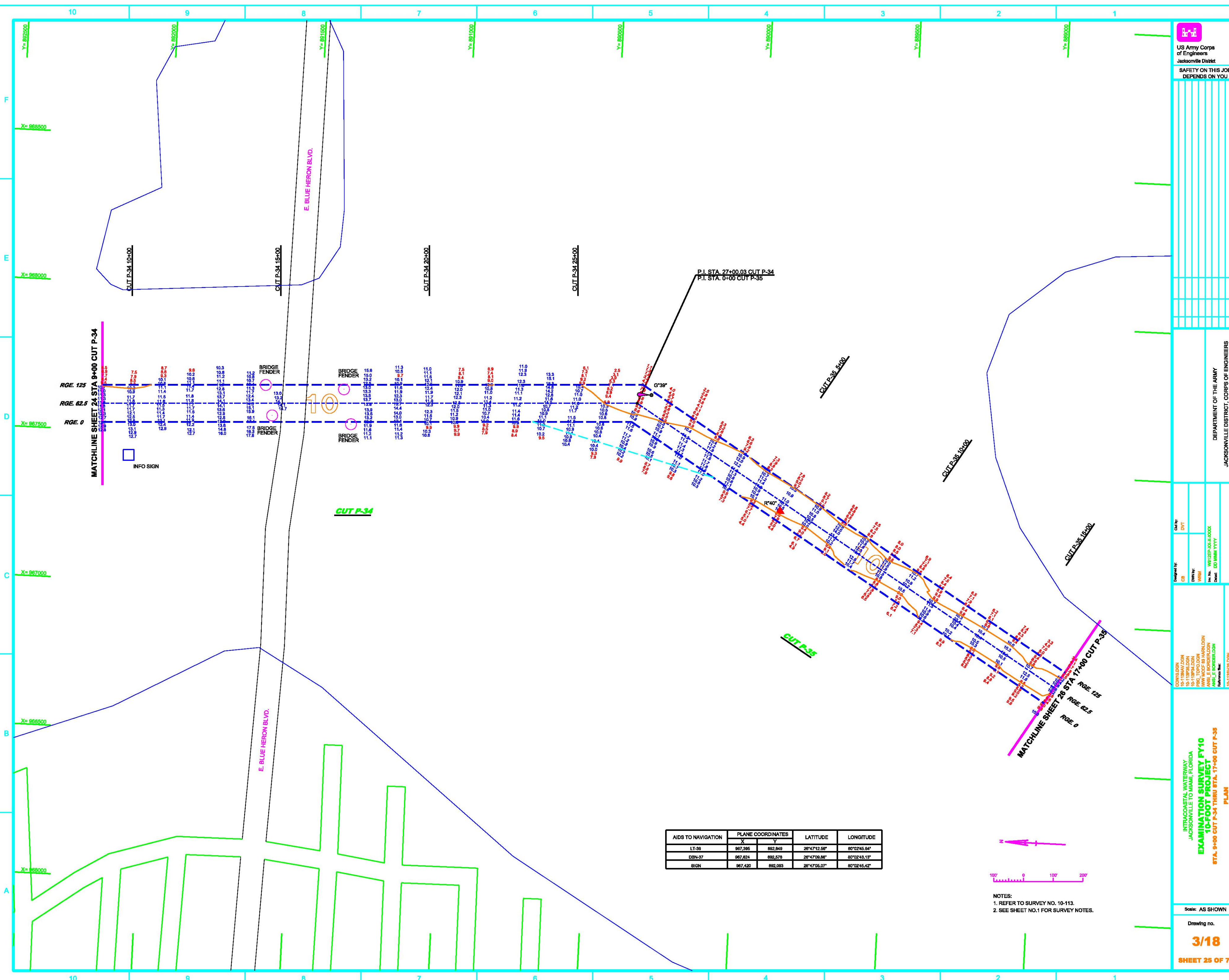
INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
**EXAMINATION SURVEY FY10
10-FOOT PROJECT**
STA. 42+00 CUT P-33 THRU STA. 9+00 CUT P-34
PLAN

Scale: AS SHOWN
Drawing no. **2/18**
SHEET 24 OF 76



| AIDS TO NAVIGATION | PLANE COORDINATES | | LATITUDE | LONGITUDE |
|--------------------|-------------------|---------|--------------|--------------|
| | X | Y | | |
| LT-36 | 967,395 | 882,849 | 26°47'12.56" | 80°02'45.84" |
| DBN-37 | 967,624 | 882,578 | 26°47'09.86" | 80°02'43.13" |

NOTES:
1. REFER TO SURVEY NO. 10-113.
2. SEE SHEET NO.1 FOR SURVEY NOTES.



| AIDS TO NAVIGATION | PLANE COORDINATES | | LATITUDE | LONGITUDE |
|--------------------|-------------------|---------|--------------|--------------|
| | X | Y | | |
| LT-38 | 967,395 | 882,849 | 28°47'12.58" | 80°02'45.64" |
| DBN-37 | 967,624 | 882,576 | 28°47'09.66" | 80°02'43.13" |
| SIGN | 967,420 | 882,063 | 28°47'05.07" | 80°02'45.42" |

NOTES:
1. REFER TO SURVEY NO. 10-113.
2. SEE SHEET NO.1 FOR SURVEY NOTES.



| NO. | SYMBOL | ZONE | DESCRIPTION |
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DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Cut by:
DWT

Designed by:
CB

Drawn by:
WKM

Job No. W8125P-00-0000
Date: 10 MARCH 2011

DOWNLOAD
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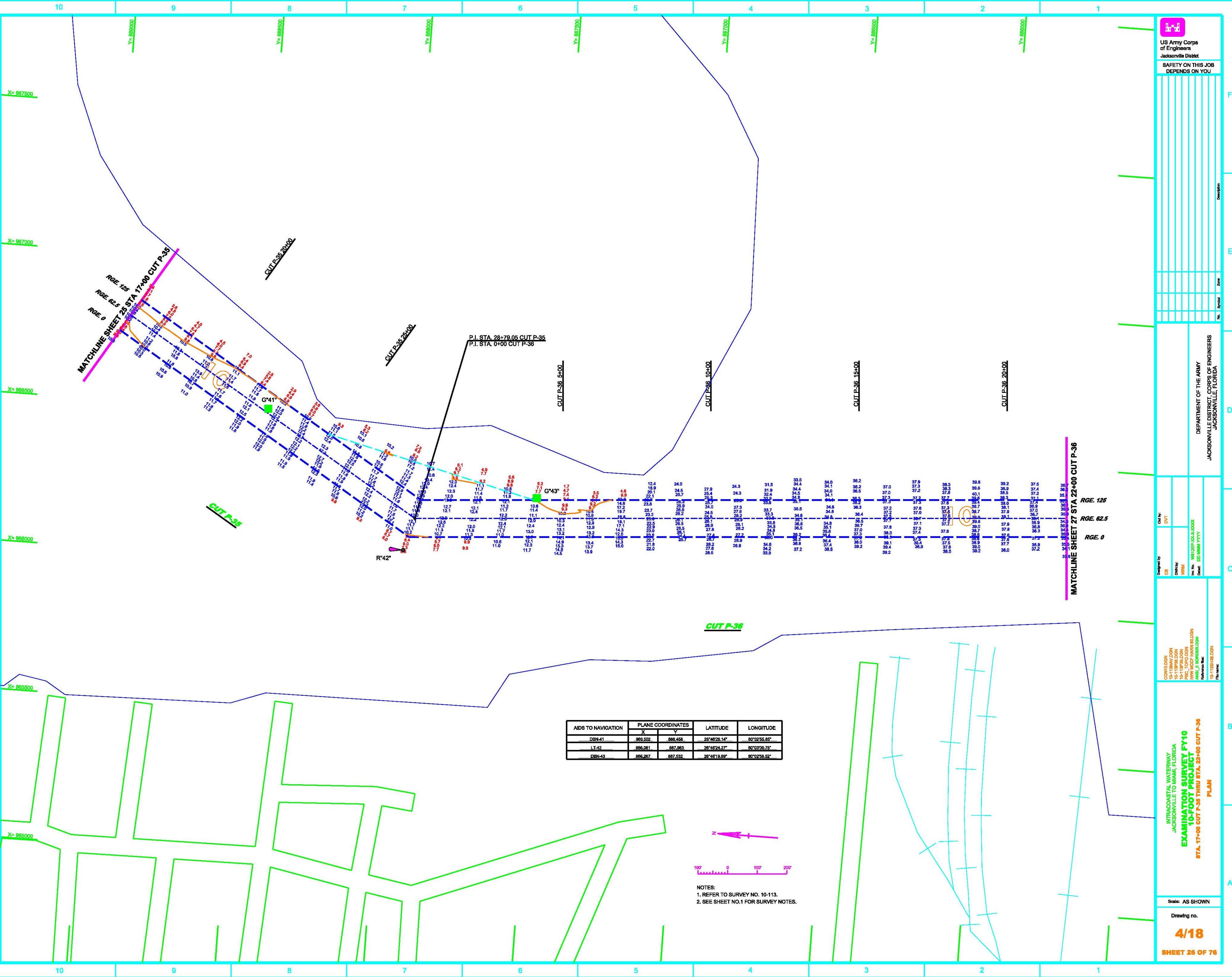
INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
EXAMINATION SURVEY FY10
10-FOOT PROJECT
STA. 17+00 CUT P-35 THRU STA. 22+00 CUT P-36
PLAN

Scale: AS SHOWN

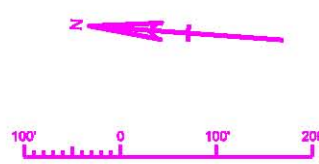
Drawing no.

4/18

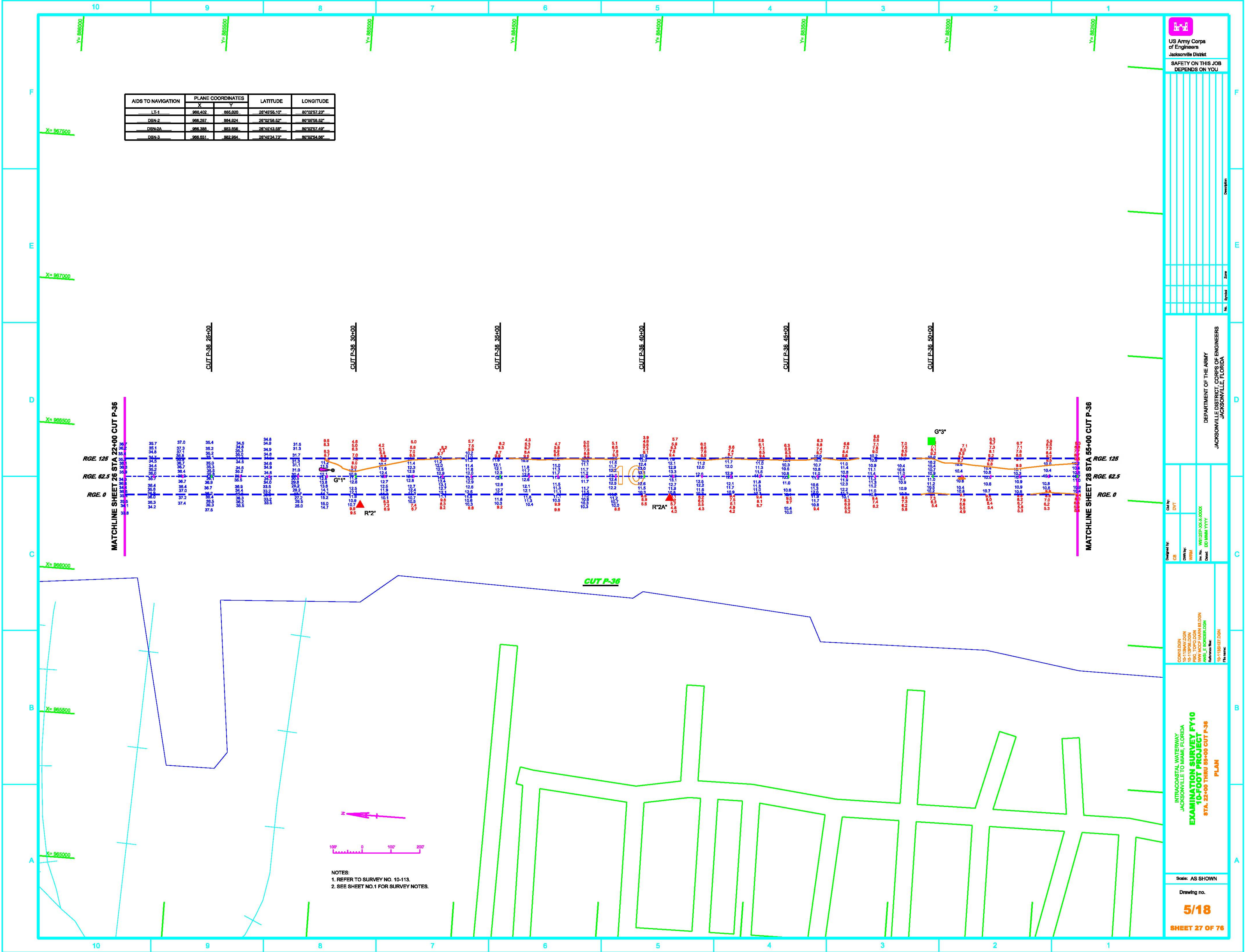
SHEET 26 OF 76



| AIDS TO NAVIGATION | PLANE COORDINATES | | LATITUDE | LONGITUDE |
|--------------------|-------------------|---------|--------------|--------------|
| | X | Y | | |
| DBN-41 | 866,522 | 888,458 | 26°46'29.14" | 80°02'55.85" |
| LT-42 | 866,261 | 887,893 | 26°45'24.27" | 80°03'09.75" |
| DBN-43 | 866,267 | 887,532 | 26°46'19.89" | 80°02'58.52" |



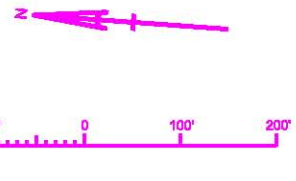
NOTES:
1. REFER TO SURVEY NO. 10-113.
2. SEE SHEET NO.1 FOR SURVEY NOTES.



| AIDS TO NAVIGATION | PLANE COORDINATES | | LATITUDE | LONGITUDE |
|--------------------|-------------------|---------|--------------|--------------|
| | X | Y | | |
| LT-1 | 886.402 | 885.020 | 28°45'56.10" | 80°02'57.23" |
| DBN-2 | 886.287 | 884.824 | 28°45'58.52" | 80°02'58.52" |
| DBN-2A | 886.386 | 883.856 | 28°45'43.58" | 80°02'57.49" |
| DBN-3 | 886.851 | 882.854 | 28°45'24.73" | 80°02'54.56" |

F
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C
B
A

X= 867500
X= 867000
X= 866500
X= 866000
X= 865500
X= 865000



NOTES:
1. REFER TO SURVEY NO. 10-113.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.



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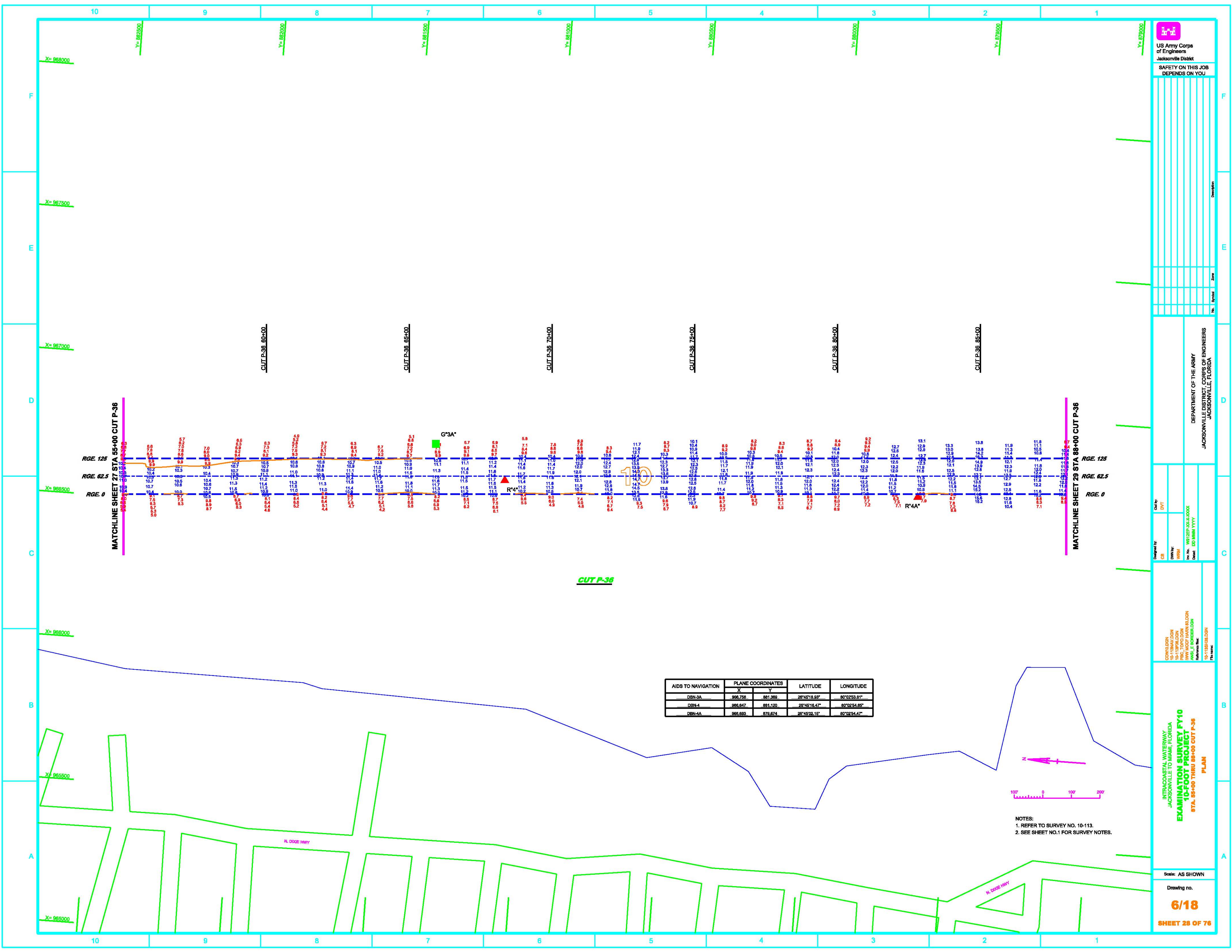
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DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Designed by: CB
Checked by: WRM
Date: 10/28/2010
DWG No: 10-113(28) P-36
Revision No: 10-113(28) P-36
Author: J.E. BOESLER/DON
Reference No: 10-113(28) P-36

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
EXAMINATION SURVEY FY10
10-FOOT PROJECT
STA. 22+00 THRU 55+00 CUT P-36
PLAN

Scale: AS SHOWN
Drawing no.
5/18
SHEET 27 OF 76

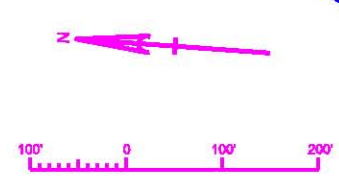


MATCHLINE SHEET 27 STA 55+00 CUT P-36

MATCHLINE SHEET 29 STA 85+00 CUT P-36

| Station | Elev. Top of Cut | Elev. Bottom of Cut | Elev. Existing Ground | Elev. Proposed Embankment |
|---------|------------------|---------------------|-----------------------|---------------------------|
| 55+00 | 101.7 | 100.4 | 101.0 | 101.0 |
| 56+00 | 101.8 | 100.6 | 101.2 | 101.2 |
| 57+00 | 101.9 | 100.8 | 101.4 | 101.4 |
| 58+00 | 102.0 | 101.0 | 101.6 | 101.6 |
| 59+00 | 102.1 | 101.2 | 101.8 | 101.8 |
| 60+00 | 102.2 | 101.4 | 102.0 | 102.0 |
| 61+00 | 102.3 | 101.6 | 102.2 | 102.2 |
| 62+00 | 102.4 | 101.8 | 102.4 | 102.4 |
| 63+00 | 102.5 | 102.0 | 102.6 | 102.6 |
| 64+00 | 102.6 | 102.2 | 102.8 | 102.8 |
| 65+00 | 102.7 | 102.4 | 103.0 | 103.0 |
| 66+00 | 102.8 | 102.6 | 103.2 | 103.2 |
| 67+00 | 102.9 | 102.8 | 103.4 | 103.4 |
| 68+00 | 103.0 | 103.0 | 103.6 | 103.6 |
| 69+00 | 103.1 | 103.2 | 103.8 | 103.8 |
| 70+00 | 103.2 | 103.4 | 104.0 | 104.0 |
| 71+00 | 103.3 | 103.6 | 104.2 | 104.2 |
| 72+00 | 103.4 | 103.8 | 104.4 | 104.4 |
| 73+00 | 103.5 | 104.0 | 104.6 | 104.6 |
| 74+00 | 103.6 | 104.2 | 104.8 | 104.8 |
| 75+00 | 103.7 | 104.4 | 105.0 | 105.0 |
| 76+00 | 103.8 | 104.6 | 105.2 | 105.2 |
| 77+00 | 103.9 | 104.8 | 105.4 | 105.4 |
| 78+00 | 104.0 | 105.0 | 105.6 | 105.6 |
| 79+00 | 104.1 | 105.2 | 105.8 | 105.8 |
| 80+00 | 104.2 | 105.4 | 106.0 | 106.0 |
| 81+00 | 104.3 | 105.6 | 106.2 | 106.2 |
| 82+00 | 104.4 | 105.8 | 106.4 | 106.4 |
| 83+00 | 104.5 | 106.0 | 106.6 | 106.6 |
| 84+00 | 104.6 | 106.2 | 106.8 | 106.8 |
| 85+00 | 104.7 | 106.4 | 107.0 | 107.0 |

| AIDS TO NAVIGATION | PLANE COORDINATES | | LATITUDE | LONGITUDE |
|--------------------|-------------------|---------|--------------|--------------|
| | X | Y | | |
| DBN-3A | 966,758 | 881,389 | 28°45'18.93" | 80°02'53.81" |
| DBN-4 | 966,647 | 881,120 | 28°45'18.47" | 80°02'54.85" |
| DBN-4A | 966,663 | 878,674 | 28°45'02.15" | 80°02'54.47" |



NOTES:
 1. REFER TO SURVEY NO. 10-113.
 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 |
|-----|--------|------|-------------|
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DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Designed by:
CB
Drawn by:
WRM
Per No.:
10-113P&L/DON
APP. LE BORDERS/DON
Reference No.:
10-113P&L/DON

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
EXAMINATION SURVEY FY10
10-FOOT PROJECT
STA. 55+00 THRU 85+00 CUT P-36
PLAN

Scale: AS SHOWN
 Drawing no.
 6/18
 SHEET 28 OF 76

| AIDS TO NAVIGATION | PLANE COORDINATES | | LATITUDE | LONGITUDE |
|--------------------|-------------------|---------|--------------|--------------|
| | X | Y | | |
| LT-5 | 867,070 | 877,099 | 28°44'38.22" | 80°02'50.83" |
| DRN-6 | 866,863 | 877,038 | 28°44'38.03" | 80°02'52.81" |



US Army Corps of Engineers
Jacksonville District
SAFETY ON THIS JOB DEPENDS ON YOU

| No. | Symbol | Zone | Description |
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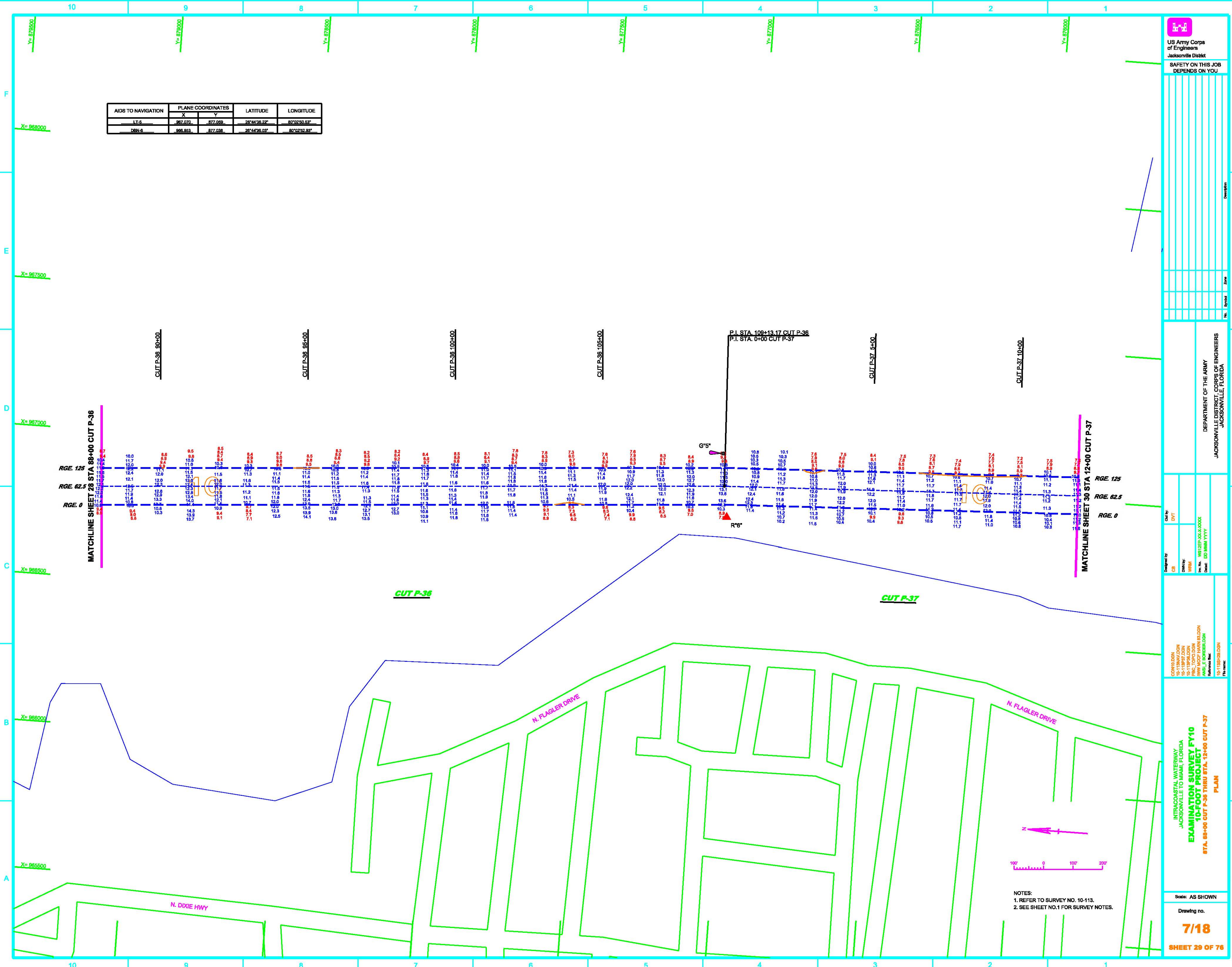
DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

| | |
|----------------|----------|
| Drawn by: | WJW |
| Checked by: | WJW |
| Designated by: | WJW |
| Project No.: | 10-1138 |
| District: | JDD |
| Date: | 10/11/11 |

| | |
|--------------|----------|
| CONVISED BY: | WJW |
| DESIGNED BY: | WJW |
| PROJECT NO.: | 10-1138 |
| DISTRICT: | JDD |
| DATE: | 10/11/11 |

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
EXAMINATION SURVEY FY10
10-FOOT PROJECT
STA. 88+00 CUT P-36 THRU STA. 12+00 CUT P-37
PLAN

Scale: AS SHOWN
Drawing no.
718
SHEET 29 OF 76



MATCHLINE SHEET 28 STA 88+00 CUT P-36

MATCHLINE SHEET 30 STA 12+00 CUT P-37

CUT P-36

CUT P-37

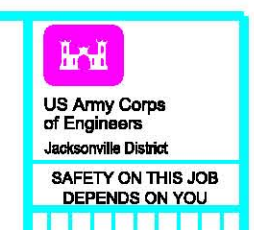
N. FLAGLER DRIVE

N. FLAGLER DRIVE

N. DIXIE HWY

Scale: AS SHOWN
Drawing no.

718
SHEET 29 OF 76



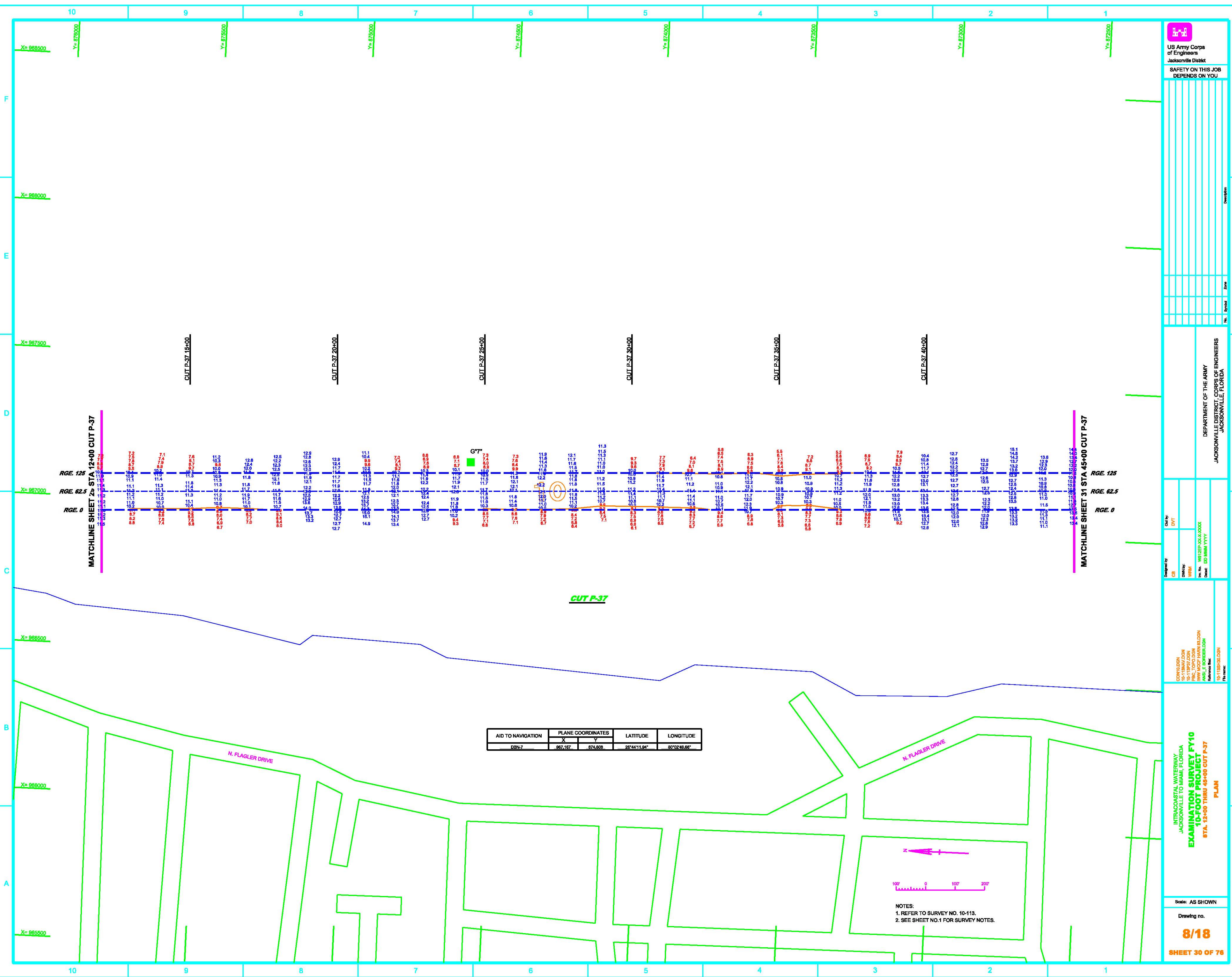
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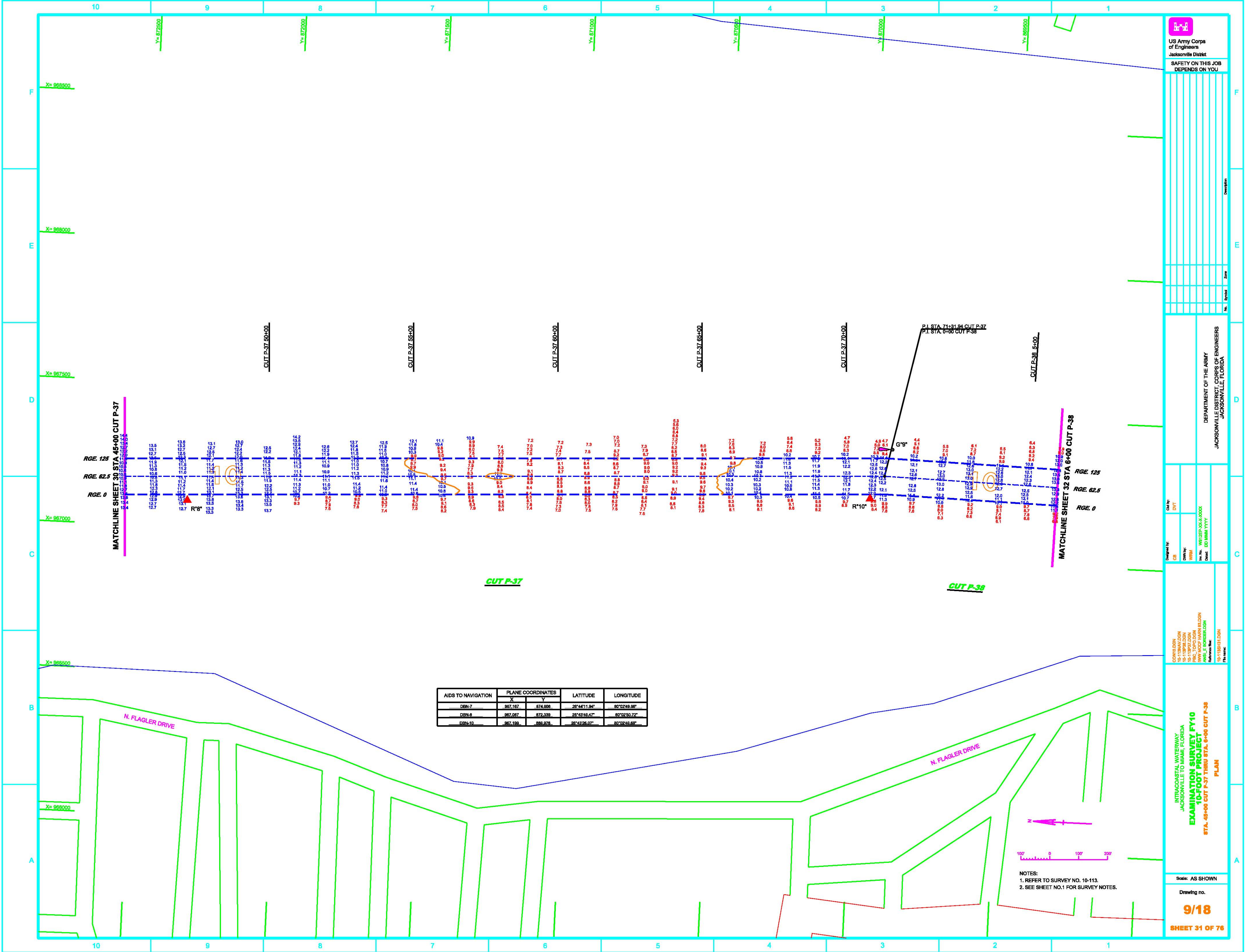
DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Cut by: DVT
Designed by: CB
Drawn by: WRN
Per. No.: WJL26900000
Date: DD MM YY
Reference No.: 10-1183HLDON
Plan No.: 10-1183HLDON

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
**EXAMINATION SURVEY FY10
10-FOOT PROJECT**
STA. 12+00 THRU 45+00 CUT P-37
PLAN

Scale: AS SHOWN
Drawing no.: **8/18**
SHEET 30 OF 76





MATCHLINE SHEET 30 STA 45+00 CUT P-37

MATCHLINE SHEET 32 STA 6+00 CUT P-38

| AIDS TO NAVIGATION | PLANE COORDINATES | | LATITUDE | LONGITUDE |
|--------------------|-------------------|---------|--------------|--------------|
| | X | Y | | |
| DBN-7 | 967.187 | 874.908 | 28°44'11.94" | 80°02'24.88" |
| DBN-9 | 967.087 | 872.339 | 28°43'48.47" | 80°02'50.72" |
| DBN-10 | 967.199 | 886.676 | 28°43'26.07" | 80°02'46.88" |

NOTES:
1. REFER TO SURVEY NO. 10-113.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

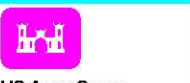
DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

DESIGNED BY: [blank]
DRAWN BY: WRM
CHK'D BY: WJL/SER/SA/JACK
DATE: 03/18/18

CONVIDLON
10-113P/L/DON
10-113P/L/DON
10-113P/L/DON
10-113P/L/DON

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
EXAMINATION SURVEY FY10
10-FOOT PROJECT
STA. 45+00 CUT P-37 THRU STA. 6+00 CUT P-38
PLAN

Scale: AS SHOWN
Drawing no.
9/18
SHEET 31 OF 76



US Army Corps
of Engineers
Jacksonville District
SAFETY ON THIS JOB
DEPENDS ON YOU

| No. | Symbol | Zone | Description |
|-----|--------|------|-------------|
| | | | |
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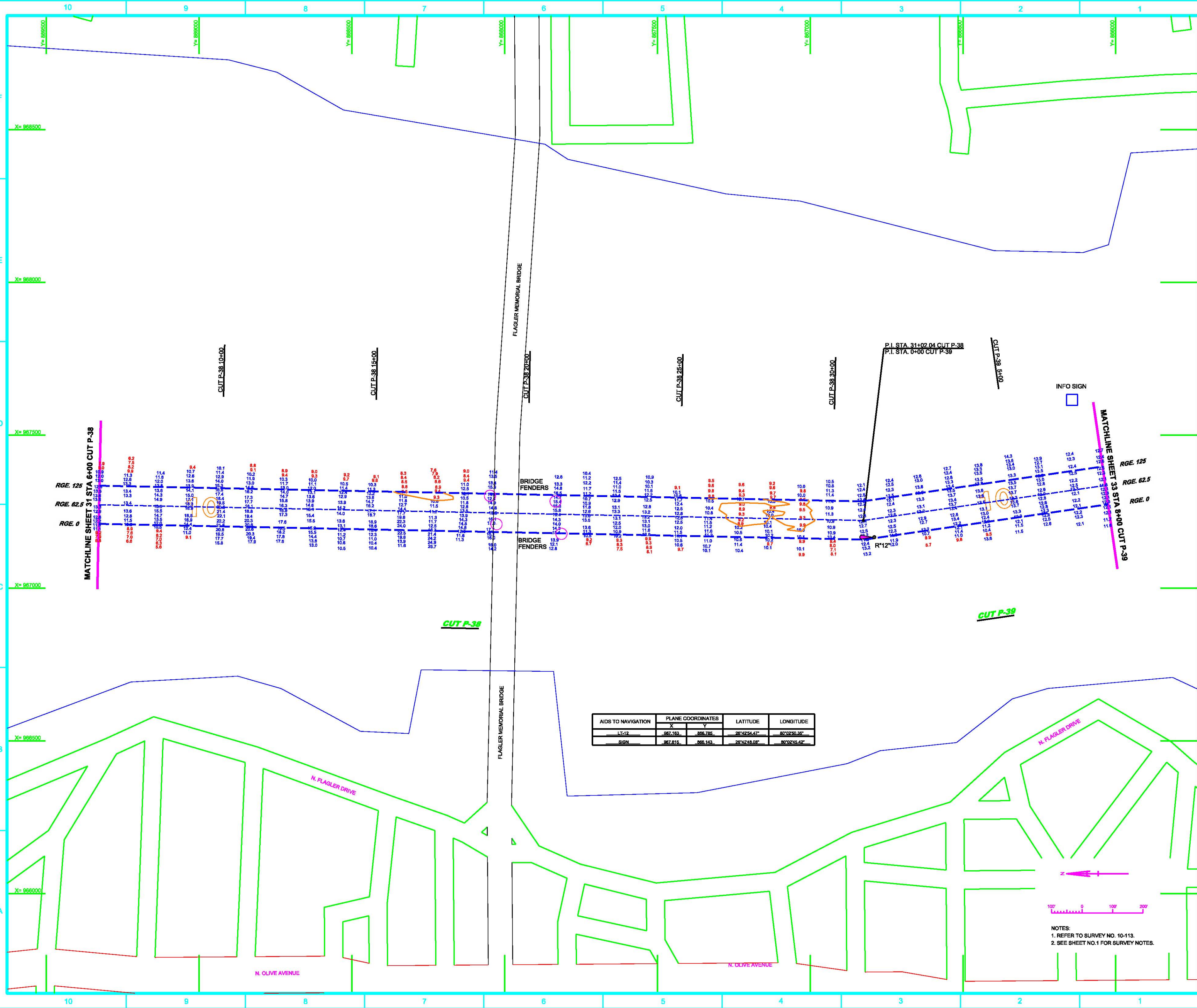
DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Designed by: DVT
Checked by: CB
Drawn by: WRM
Job No.: WJ22P25-00-0000
Date: 03/11/11
Drawn by: JDM
Job No.: WJ22P25-00-0000
Date: 03/11/11

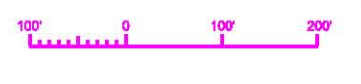
CONVISON
10-113P25-00-0000
10-113P25-00-0000
10-113P25-00-0000
10-113P25-00-0000
10-113P25-00-0000
10-113P25-00-0000
10-113P25-00-0000
10-113P25-00-0000
10-113P25-00-0000
10-113P25-00-0000

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
EXAMINATION SURVEY FY10
10-FOOT PROJECT
STA. 6+00 CUT P-38 THRU STA. 8+00 CUT P-39
PLAN

Scale: AS SHOWN
Drawing no.
10/18
SHEET 32 OF 76



| AIDS TO NAVIGATION | PLANE COORDINATES | LATITUDE | LONGITUDE | |
|--------------------|-------------------|----------|--------------|--------------|
| | X | Y | | |
| LT-12 | 987,183 | 858,785 | 28°42'54.47" | 80°02'50.38" |
| SIGN | 987,815 | 858,183 | 28°42'48.08" | 80°02'45.42" |



NOTES:
1. REFER TO SURVEY NO. 10-113.
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

Drawn by: DVT
Checked by: WRM
Scale: AS SHOWN
Date: 10/11/10

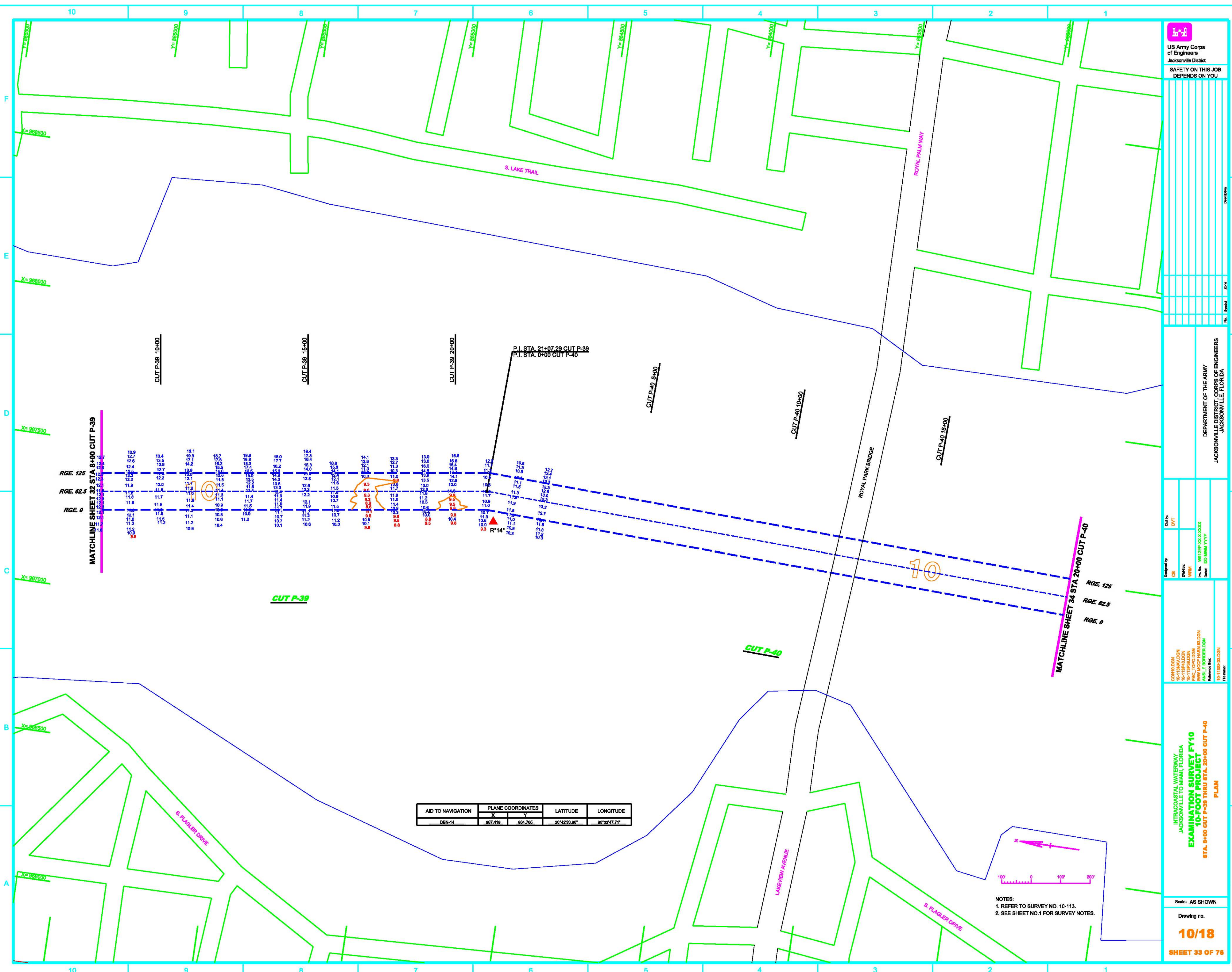
INTRACOSTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
EXAMINATION SURVEY FY10
10-FOOT PROJECT
STA. 8+00 CUT P-39 THRU STA. 20+00 CUT P-40
PLAN

Scale: AS SHOWN

Drawing no.

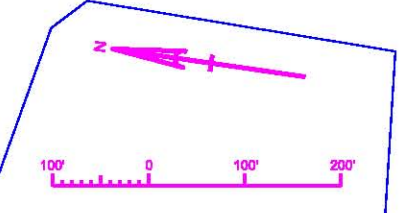
10/18

SHEET 33 OF 76

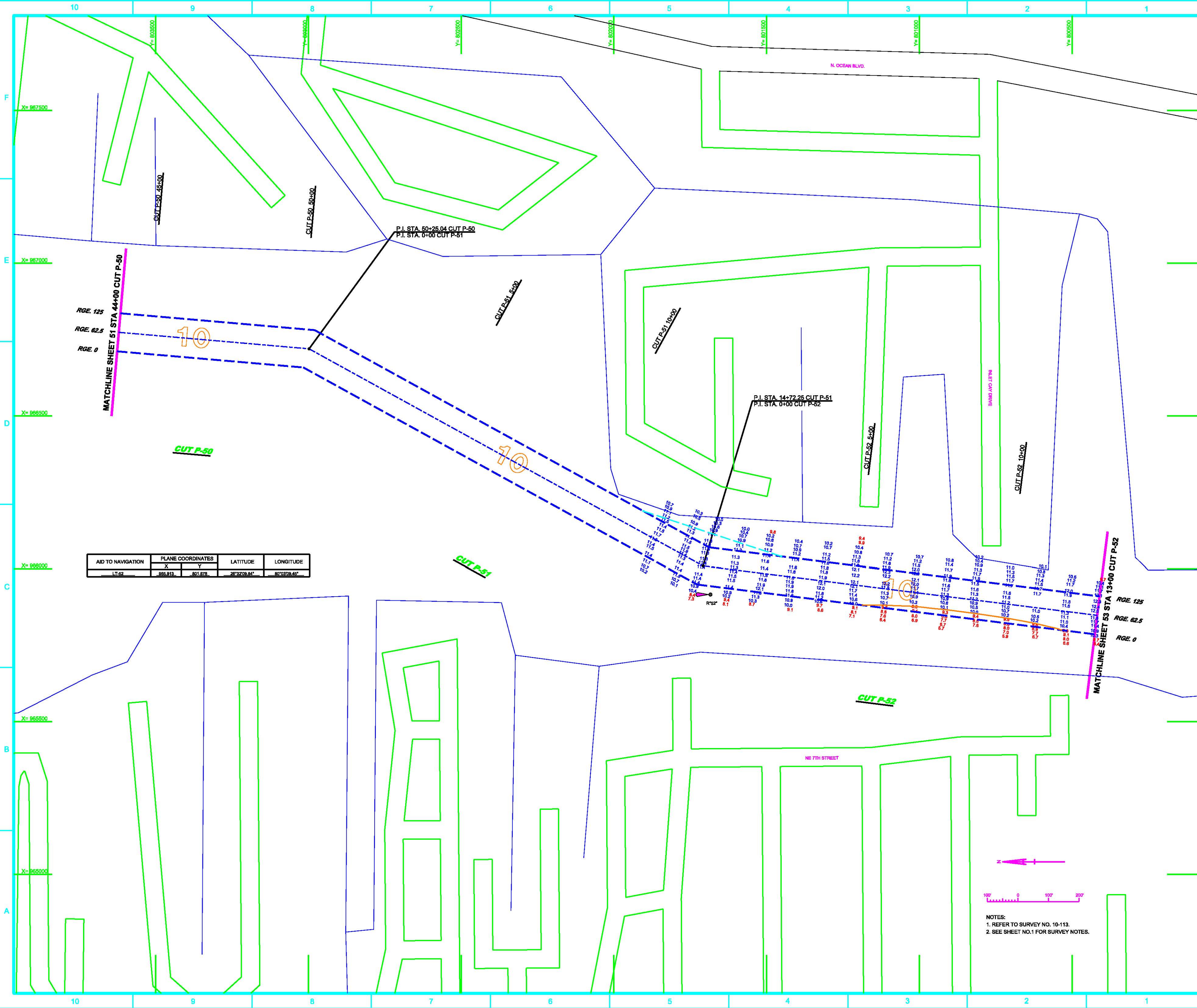


| STATION | ELEVATION | STATION | ELEVATION | STATION | ELEVATION |
|---------|-----------|---------|-----------|---------|-----------|
| 8+00 | 12.7 | 9+00 | 18.7 | 10+00 | 12.7 |
| 8+25 | 12.7 | 9+25 | 18.8 | 10+25 | 12.7 |
| 8+50 | 12.8 | 9+50 | 19.1 | 10+50 | 12.8 |
| 8+75 | 12.9 | 9+75 | 19.4 | 10+75 | 12.9 |
| 9+00 | 13.0 | 10+00 | 19.8 | 11+00 | 13.0 |
| 9+25 | 13.1 | 10+25 | 20.1 | 11+25 | 13.1 |
| 9+50 | 13.2 | 10+50 | 20.5 | 11+50 | 13.2 |
| 9+75 | 13.3 | 10+75 | 20.9 | 11+75 | 13.3 |
| 10+00 | 13.4 | 11+00 | 21.4 | 12+00 | 13.4 |
| 10+25 | 13.5 | 11+25 | 21.8 | 12+25 | 13.5 |
| 10+50 | 13.6 | 11+50 | 22.3 | 12+50 | 13.6 |
| 10+75 | 13.7 | 11+75 | 22.8 | 13+00 | 13.7 |
| 11+00 | 13.8 | 12+00 | 23.4 | 13+25 | 13.8 |
| 11+25 | 13.9 | 12+25 | 24.0 | 13+50 | 13.9 |
| 11+50 | 14.0 | 12+50 | 24.7 | 13+75 | 14.0 |
| 11+75 | 14.1 | 12+75 | 25.5 | 14+00 | 14.1 |
| 12+00 | 14.2 | 13+00 | 26.4 | 14+25 | 14.2 |
| 12+25 | 14.3 | 13+25 | 27.4 | 14+50 | 14.3 |
| 12+50 | 14.4 | 13+50 | 28.6 | 14+75 | 14.4 |
| 12+75 | 14.5 | 13+75 | 30.0 | 15+00 | 14.5 |
| 13+00 | 14.6 | 14+00 | 31.6 | 15+25 | 14.6 |
| 13+25 | 14.7 | 14+25 | 33.4 | 15+50 | 14.7 |
| 13+50 | 14.8 | 14+50 | 35.4 | 15+75 | 14.8 |
| 13+75 | 14.9 | 14+75 | 37.7 | 16+00 | 14.9 |
| 14+00 | 15.0 | 15+00 | 40.3 | 16+25 | 15.0 |
| 14+25 | 15.1 | 15+25 | 43.2 | 16+50 | 15.1 |
| 14+50 | 15.2 | 15+50 | 46.4 | 16+75 | 15.2 |
| 14+75 | 15.3 | 15+75 | 50.0 | 17+00 | 15.3 |
| 15+00 | 15.4 | 16+00 | 54.0 | 17+25 | 15.4 |
| 15+25 | 15.5 | 16+25 | 58.4 | 17+50 | 15.5 |
| 15+50 | 15.6 | 16+50 | 63.2 | 17+75 | 15.6 |
| 15+75 | 15.7 | 16+75 | 68.4 | 18+00 | 15.7 |
| 16+00 | 15.8 | 17+00 | 74.0 | 18+25 | 15.8 |
| 16+25 | 15.9 | 17+25 | 80.0 | 18+50 | 15.9 |
| 16+50 | 16.0 | 17+50 | 86.4 | 18+75 | 16.0 |
| 16+75 | 16.1 | 18+00 | 93.2 | 19+00 | 16.1 |
| 17+00 | 16.2 | 18+25 | 100.4 | 19+25 | 16.2 |
| 17+25 | 16.3 | 18+50 | 108.0 | 19+50 | 16.3 |
| 17+50 | 16.4 | 18+75 | 116.0 | 19+75 | 16.4 |
| 17+75 | 16.5 | 19+00 | 124.4 | 20+00 | 16.5 |
| 18+00 | 16.6 | 19+25 | 133.2 | | |
| 18+25 | 16.7 | 19+50 | 142.4 | | |
| 18+50 | 16.8 | 19+75 | 152.0 | | |
| 18+75 | 16.9 | 20+00 | 162.0 | | |
| 19+00 | 17.0 | | 172.4 | | |
| 19+25 | 17.1 | | 183.2 | | |
| 19+50 | 17.2 | | 194.4 | | |
| 19+75 | 17.3 | | 206.0 | | |
| 20+00 | 17.4 | | 218.0 | | |

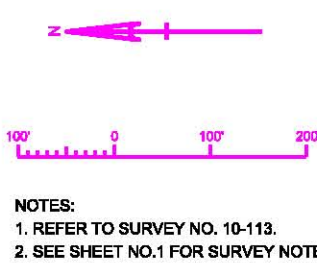
| AID TO NAVIGATION | PLANE COORDINATES | | LATITUDE | LONGITUDE |
|-------------------|-------------------|---------|--------------|--------------|
| | X | Y | | |
| DBN-14 | 887,419 | 864,706 | 26°42'33.98" | 80°02'47.71" |



NOTES:
1. REFER TO SURVEY NO. 10-113.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

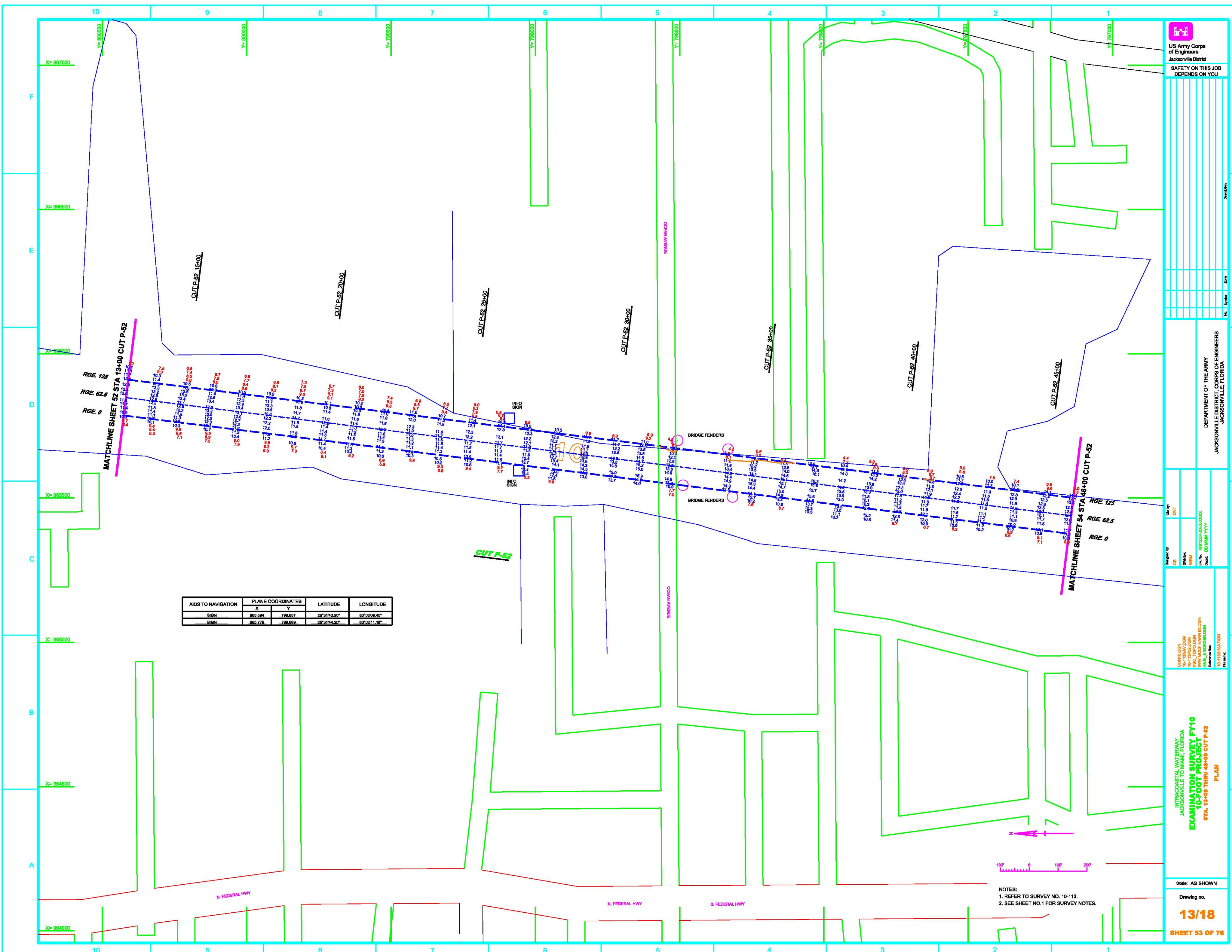


| AID TO NAVIGATION | PLANE COORDINATES | | LATITUDE | LONGITUDE |
|-------------------|-------------------|---------|--------------|--------------|
| | X | Y | | |
| LT-92 | 866,913 | 801,878 | 28°32'09.84" | 87°03'09.46" |



NOTES:
 1. REFER TO SURVEY NO. 10-113.
 2. SEE SHEET NO.1 FOR SURVEY NOTES.

| | |
|----------------------|---|
| PROJECT TITLE | INTRA-COASTAL WATERWAY JACKSONVILLE TO MIAMI, FLORIDA EXAMINATION SURVEY FY10 10-FOOT PROJECT STA. 44+00 CUT P-50 THRU STA. 13+00 CUT P-52 PLAN |
| DESIGNED BY | CB |
| CHECKED BY | DVT |
| DATE | 10-11-10 |
| SCALE | AS SHOWN |
| DRAWING NO. | 12/18 |
| SHEET NO. | 52 OF 76 |
| PROJECT NO. | 10-113 |
| DATE | 10-11-10 |
| PROJECT | JACKSONVILLE DISTRICT, CORPS OF ENGINEERS JACKSONVILLE, FLORIDA |



| AIDS TO NAVIGATION | PLANE COORDINATES | | LATITUDE | LONGITUDE |
|--------------------|-------------------|---------|--------------|--------------|
| | X | Y | | |
| SIGN | 965.684 | 796.057 | 26°31'43.89" | 80°03'09.45" |
| SIGN | 965.776 | 796.089 | 26°31'44.20" | 80°03'11.18" |

| No. | Symbol | Zone | Description |
|-----|--------|------|-------------|
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DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Designed by: CB
Checked by: DVT
Drawn by: WRM
For No. 10-113
Date: 10/11/00
Author: J.E. BICKELER/DON
Reference No.: 10-113

CONTRACT NO.
10-113/AV/DON
10-113/AV/DON
10-113/AV/DON
10-113/AV/DON

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
**EXAMINATION SURVEY FY10
10-FOOT PROJECT**
STA. 15+00 THRU 46+00 CUT P-52
PLAN

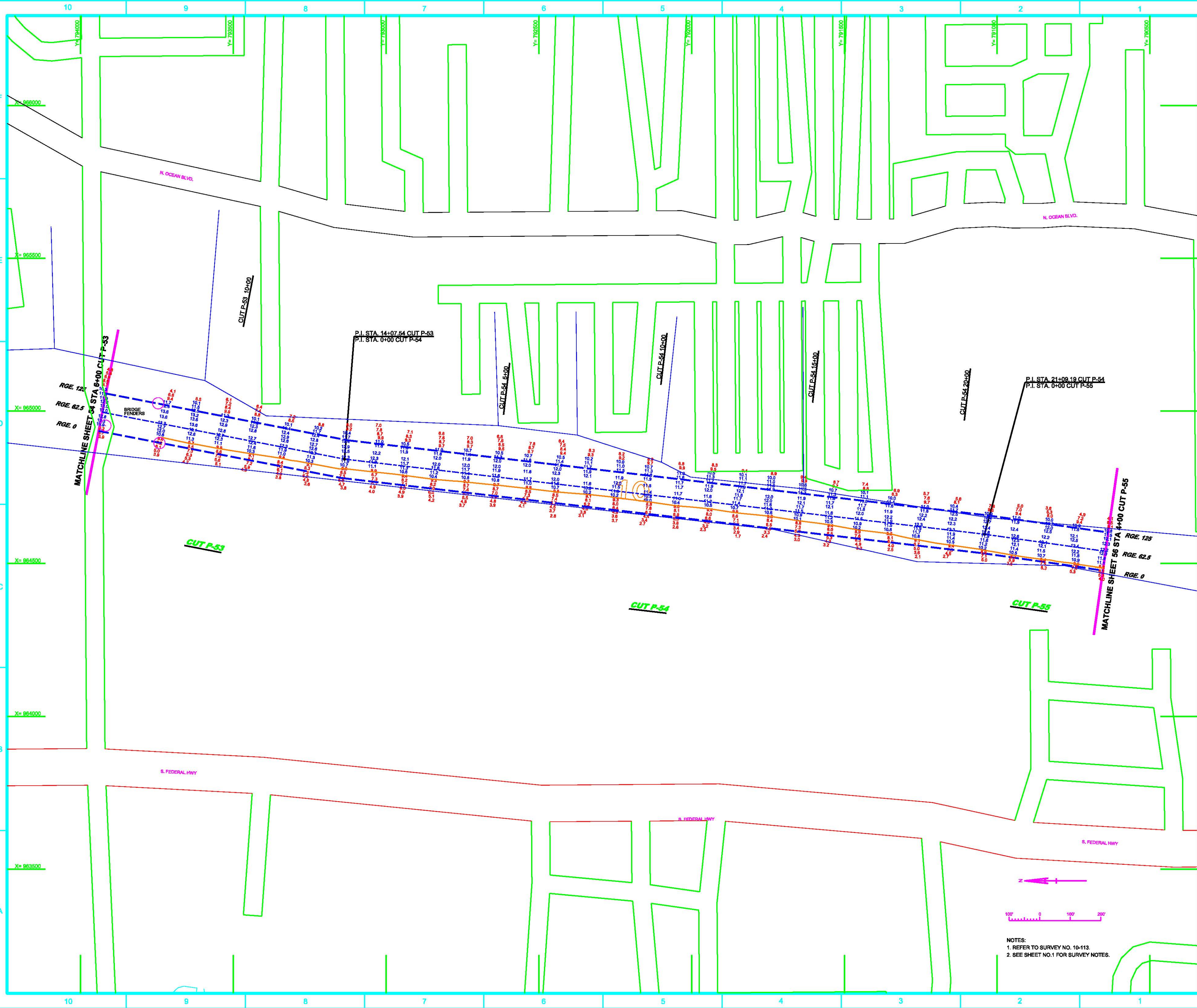


NOTES:
1. REFER TO SURVEY NO. 10-113.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.



US Army Corps
of Engineers
Jacksonville District

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DEPENDS ON YOU



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

Designed by: CB
Drawn by: WRM
For No. 10-11894L/DON
AWB, LE BOWEN/DON
Reference No. 10-11894L/DON
Permit No. 10-11894L/DON

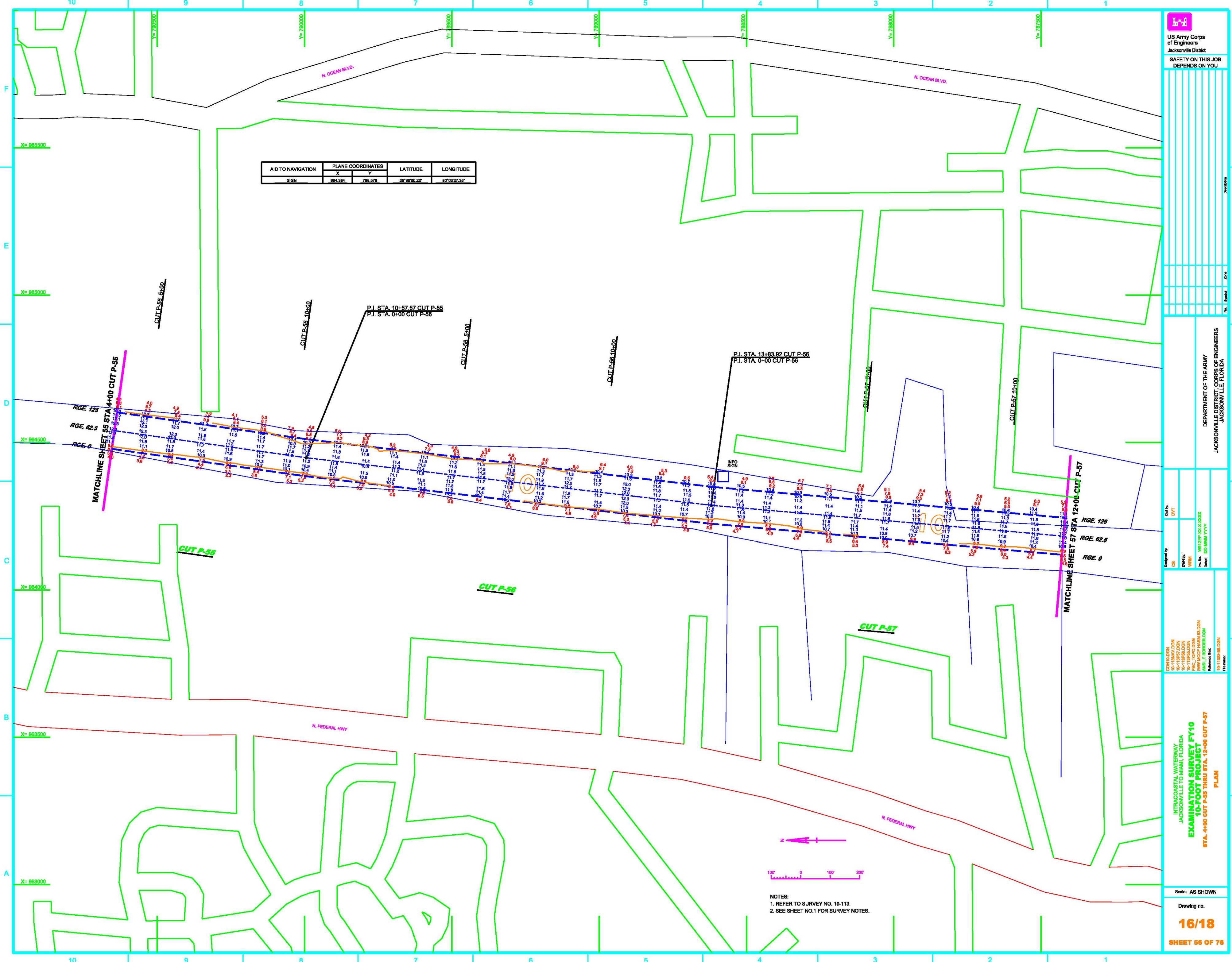
CONVLDON
10-11894L/DON
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INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
EXAMINATION SURVEY FY10
10-FOOT PROJECT
STA. 6+00 CUT P-53 THRU STA. 4+00 P-55
PLAN

Scale: AS SHOWN
Drawing no.
15/18
SHEET 55 OF 76

NOTES:
1. REFER TO SURVEY NO. 10-113
2. SEE SHEET NO.1 FOR SURVEY NOTES.

| AID TO NAVIGATION | PLANE COORDINATES | | LATITUDE | LONGITUDE |
|-------------------|-------------------|---------|--------------|--------------|
| | X | Y | | |
| SIGN | 964.284 | 788.578 | 28°30'00.22" | 80°03'27.35" |



| Description | Zone | Symbol | Scale |
|-------------|------|--------|-------|
| | | | |
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DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Drawn by: DVT
Checked by: CB
Desig No: 10-113-10-10000
Proj No: 10-113-10-10000
Date: 10/11/10

CONTRADON: 10-113-10-10000
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INTRACASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
EXAMINATION SURVEY FY10
10-FOOT PROJECT
STA. 4+00 CUT P-55 THRU STA. 12+00 CUT P-57
PLAN

Scale: AS SHOWN
Drawing no.
16/18
SHEET 56 OF 76

NOTES:
1. REFER TO SURVEY NO. 10-113.
2. SEE SHEET NO.1 FOR SURVEY NOTES.



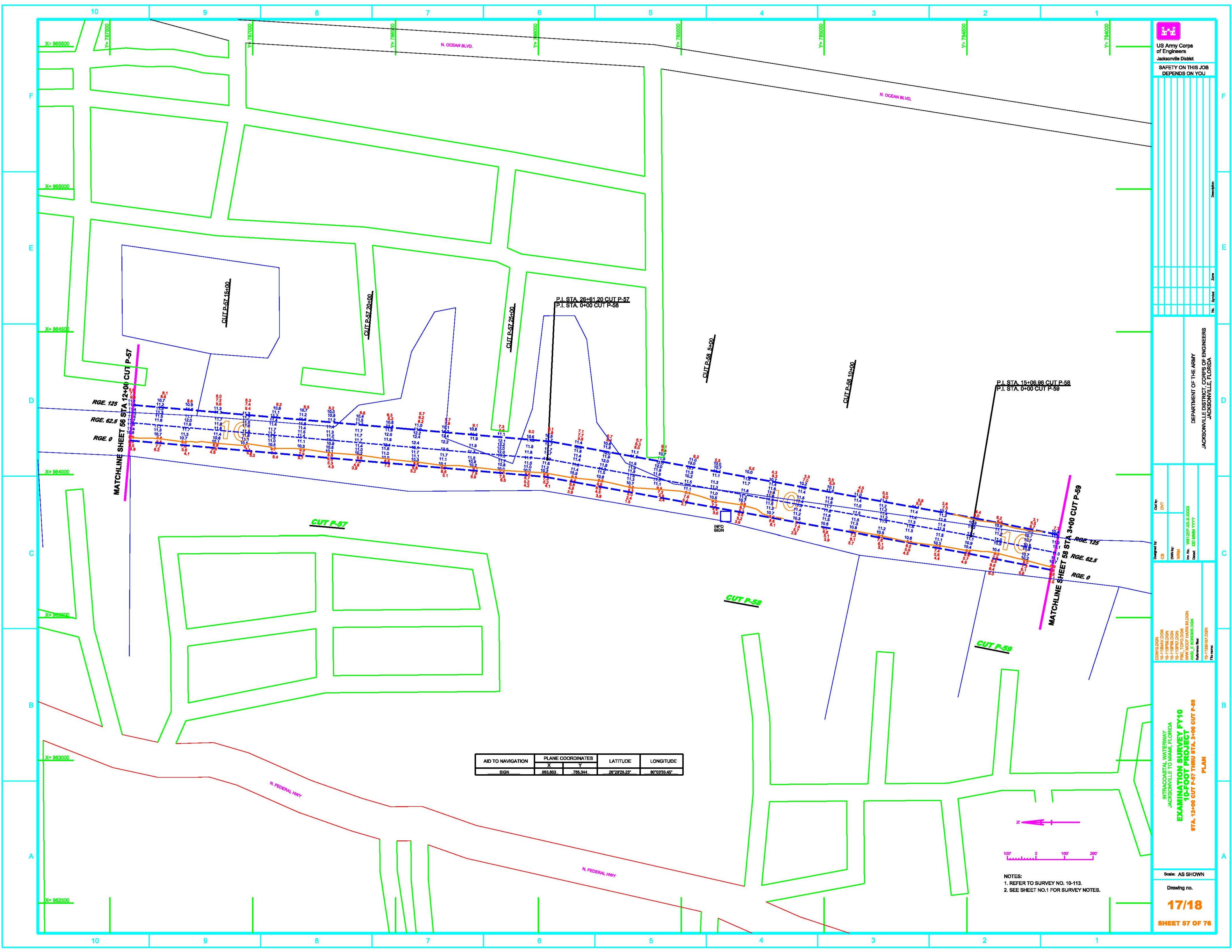
US Army Corps
of Engineers
Jacksonville District
SAFETY ON THIS JOB
DEPENDS ON YOU

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

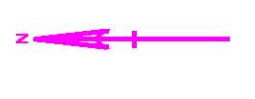
Drawn by: DVT
Checked by: WRM
Project No. 10-1113
Date: 10/11/07
Author: J. B. HARRISON
Reviewer: J. B. HARRISON

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
**EXAMINATION SURVEY FY10
10-FOOT PROJECT**
STA. 12+00 CUT P-57 THRU STA. 3+00 CUT P-59
PLAN

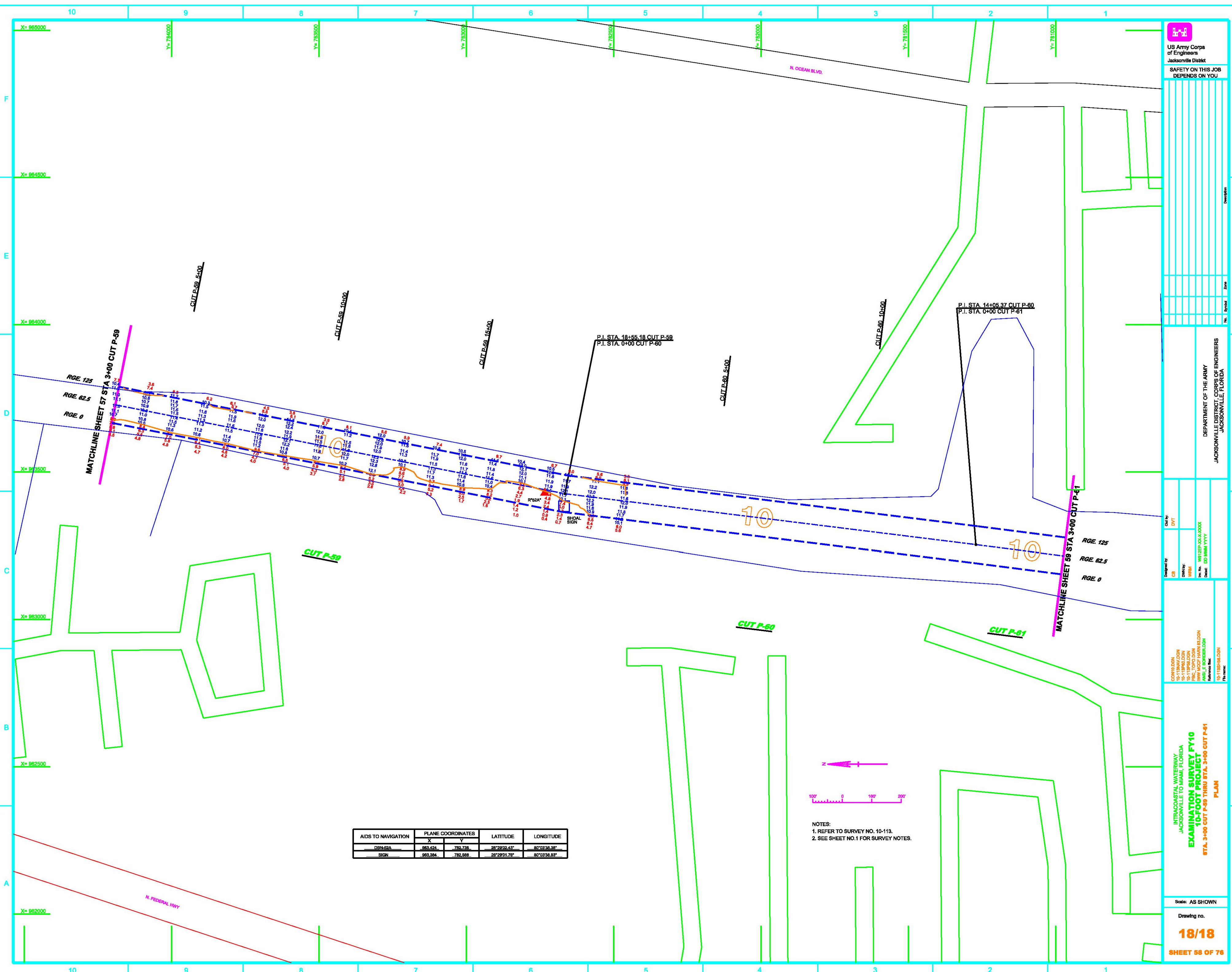
Scale: AS SHOWN
Drawing no.
17/18
SHEET 57 OF 76



| AID TO NAVIGATION | PLANE COORDINATES | | LATITUDE | LONGITUDE |
|-------------------|-------------------|---------|--------------|--------------|
| | X | Y | | |
| SIGN | 863.863 | 785.344 | 28°29'28.23" | 80°03'33.45" |



NOTES:
1. REFER TO SURVEY NO. 10-113.
2. SEE SHEET NO.1 FOR SURVEY NOTES.



| NO. | SYMBOL | ZONE | DESCRIPTION |
|-----|--------|------|-------------|
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DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

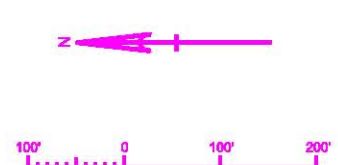
Designed by: CB
Drawn by: WRM
Checked by: WLS/SEP/06/0006
Date: 03/01/06

CONVILSON
10-1138/LDON
10-1138/LDON
10-1138/LDON
10-1138/LDON
10-1138/LDON
10-1138/LDON

INTRACASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
**EXAMINATION SURVEY FY10
10-FOOT PROJECT**
STA. 3+00 CUT P-59 THRU STA. 3+00 CUT P-61
PLAN

Scale: AS SHOWN
Drawing no.
18/18
SHEET 58 OF 76

| AIDS TO NAVIGATION | PLANE COORDINATES | | LATITUDE | LONGITUDE |
|--------------------|-------------------|---------|--------------|--------------|
| | X | Y | | |
| DBN-29A | 863,424 | 789,735 | 28°29'02.43" | 80°03'38.38" |
| SIGN | 863,384 | 782,688 | 28°29'01.78" | 80°03'38.83" |



NOTES:
1. REFER TO SURVEY NO. 10-113.
2. SEE SHEET NO.1 FOR SURVEY NOTES.