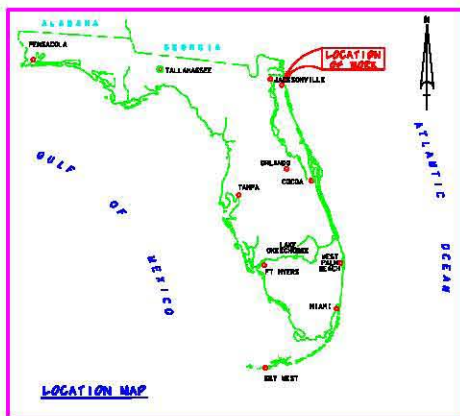
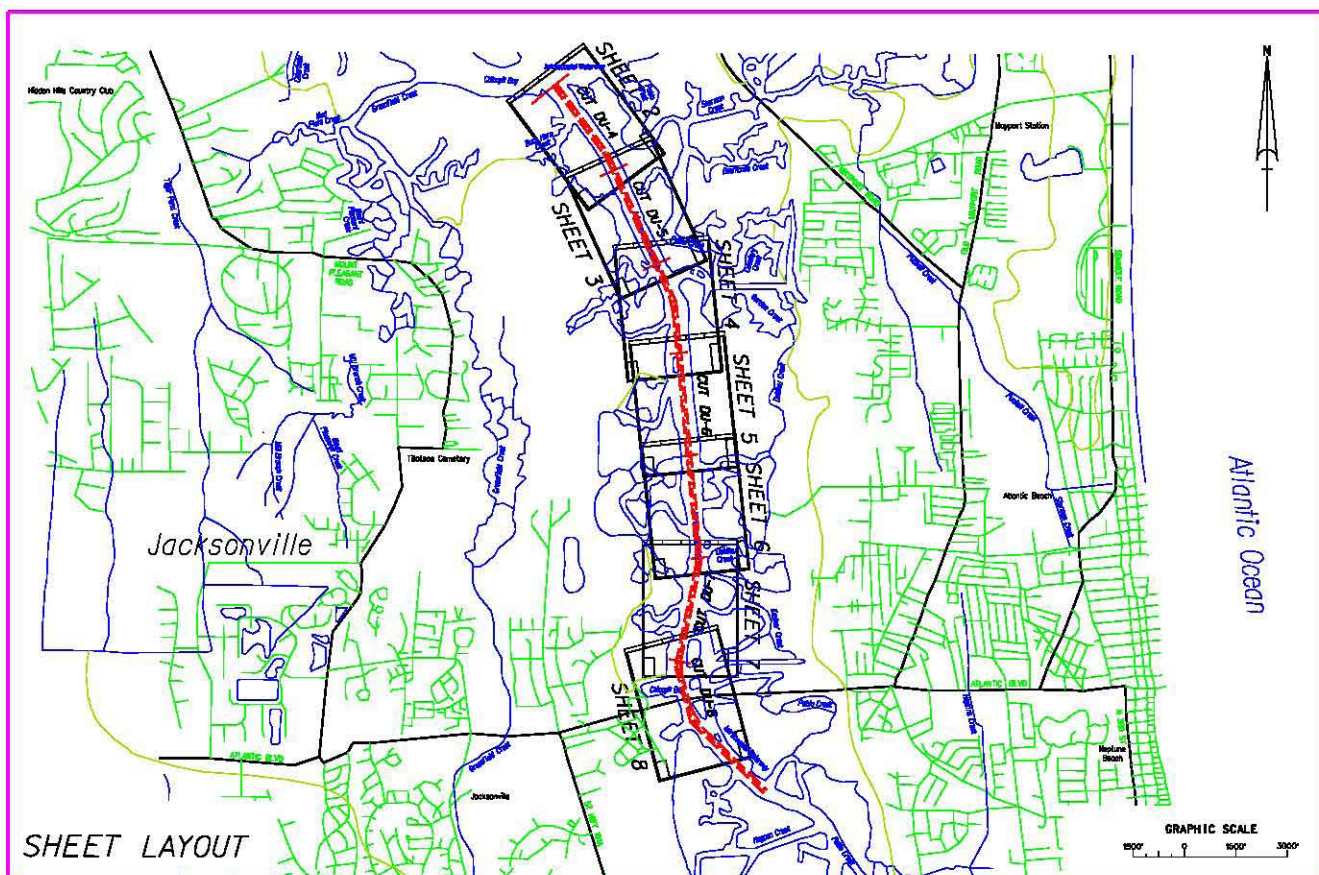




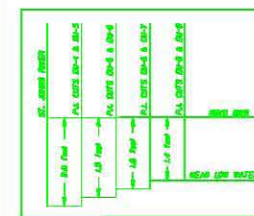
INTRACOASTAL WATERWAY JACKSONVILLE TO MIAMI, FLORIDA DUVAL COUNTY PROJECT CONDITION SURVEY



SURVEY NOTES:

1. REFER TO SURVEY NO. 02-178.
 2. ELEVATIONS ARE IN FEET AND TENTHS AND REFER TO MEAN LOW WATER (MLW). REFER TO DATUM TABLE SHOWN FOR DIFFERENCES FROM MVD 1928.
 3. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGN.
 4. TIDE REDUCTIONS WERE MADE FROM A STAFF SET AT THE PAULD CREEK MARINA, AND REFERENCED FROM CDS BENCHMARK "GORDON".
 5. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE EAST ZONE OF FLORIDA AND REFERENCED TO NORTH AMERICAN DATUM OF 1983 (NAD83).
 6. ALL AZIMUTHS ARE GIVEN REDUCED 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 NAVIGATION SYSTEM AS THE REFERENCE SITE. VERTICAL MEASUREMENTS WERE MADE USING A ROSS SHARP SOUNDER DEPTH REDUCER WITH A 100MHZ HIGH FREQUENCY TRANSDUCER.
- | VESSEL | DATE OF SURVEY | OUT |
|--------|----------------|----------------|
| WB-34 | 01 OCT 2002 | DU-7 THRU DU-9 |
9. AIDS TO NAVIGATION WERE LOCATED DURING THIS SURVEY.
 10. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATE 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.

BENCHMARK	MVD ELEV. (FT.)
GORDON	5.89



LEGEND	
BM	BENCHMARK
1	1 LIGHTED BEACON
2	2 SOUTH WATERMASON
3	3 RED WATERMASON
4	4 RED LIGHTED BUOY
5	5 GREEN LIGHTED BUOY
6	6 CAN BUOY
7	7 MARK BUOY
8	8 TIDE STAFF

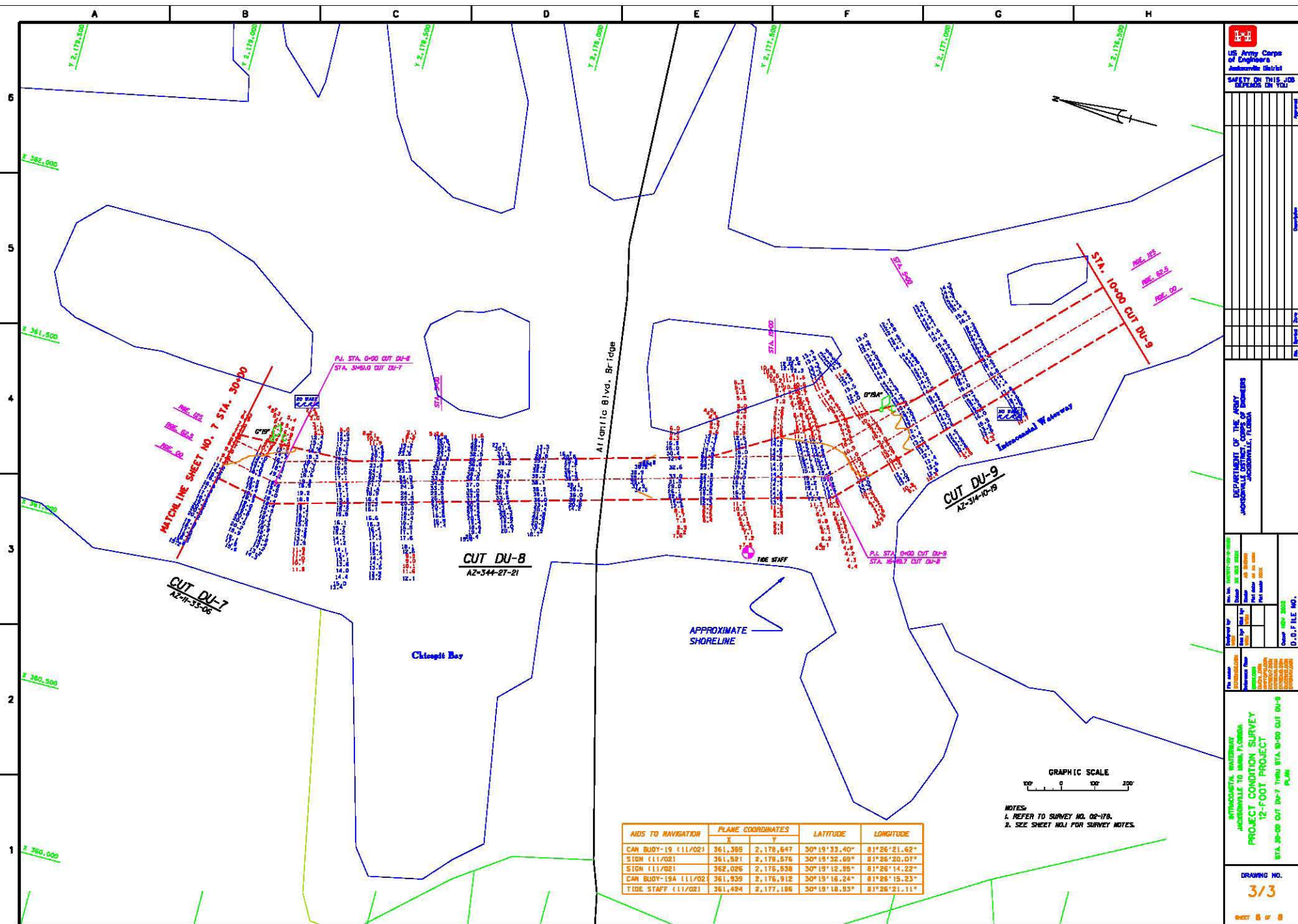
US Army Corps of Engineers
Jacksonville District

SAFETY OF THIS JOB DEPENDS ON YOU

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

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT
INDEX, LAYOUT AND LOCATION
PL-AM

DRAWING NO.
1/3
SHEET 1 OF 3





US Army Corps of Engineers
Jacksonville District

SAFETY OF THIS JOB DEPENDS ON YOU	
Name	
Position	
Signature	
Date	

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, Corps of Engineers
JACKSONVILLE, FLORIDA

Project No.	Project Name	Project Location	Project Date
12-000	12-FOOT PROJECT	STATION 10+00 CUT DU-9	12-00

INTERNATIONAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
PROJECT CONDITION SURVEY
12-FOOT PROJECT

STATION 10+00 CUT DU-9
STATION 10+00 CUT DU-9

DRAWING NO.
3/3

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
CAN BUOY-19 (11/02)	361,385	2,178,647	30°19'33.40"	81°26'21.62"
STON (11/02)	361,581	2,178,576	30°19'32.69"	81°26'20.07"
STON (11/02)	362,005	2,178,538	30°19'12.95"	81°26'14.22"
CAN BUOY-19A (11/02)	361,535	2,178,912	30°19'16.24"	81°26'15.23"
TIDE STAFF (11/02)	361,424	2,177,186	30°19'18.53"	81°26'21.11"

GRAPHIC SCALE
100 0 100 200

NOTES:
1. REFER TO SURVEY NO. 02-178.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.