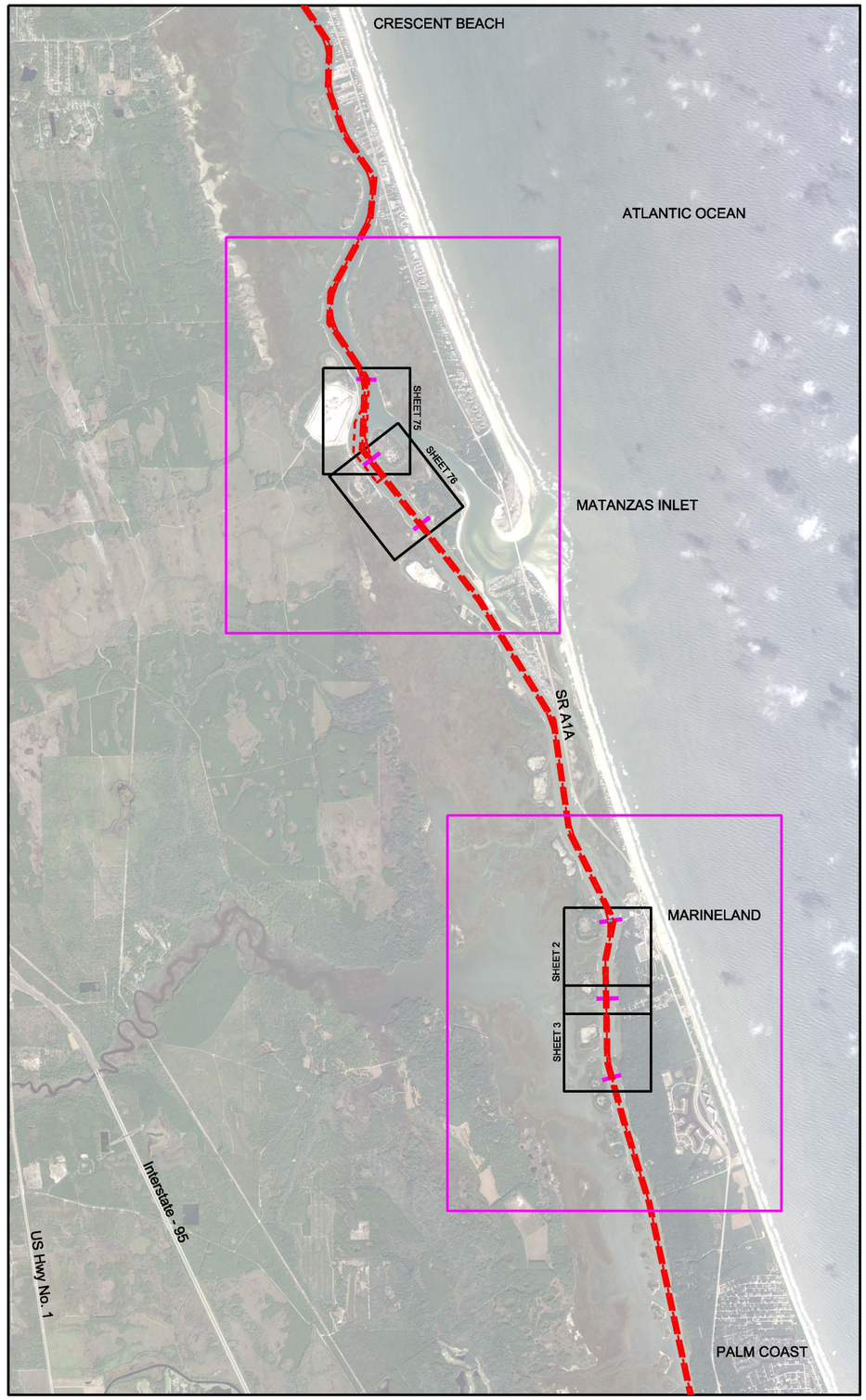
INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
ST. JOHN'S AND FLAGLER COUNTIES
PROJECT CONDITION SURVEY



LOCATION MAP

BENCHMARK	NGVD ELEV. (FT)
IWSJ-224 1997	6.26

NGVD 1988
2.65 feet
M.L.L.W.

Relationship between NGVD 1988 and NOAA'S Mean Lower Low Water (1983-2001 Tidal Datuma)

LEGEND	
BM	BENCHMARK
	LIGHTED BEACON
	GREEN DAYBEACON
	RED DAYBEACON
	RED LIGHTED BUOY
	GREEN LIGHTED BUOY
	CAN BUOY
	NUN BUOY
	TIDE STAFF
8	PROJECT DEPTH

N

GRAPHIC SCALE
2000' 0 2000' 4000'

MAP SHEET NOTES:

1. REFER TO SURVEY NO. 09-119.

2. ELEVATIONS ARE IN FEET AND TENTHS AND REFER TO THE NOAA REPORTED MEAN LOWER LOW WATER (MLLW) TIDAL DATUM RELATIVE TO THE 1983-2001 TIDAL EPOCH.

3. TIDAL REDUCTIONS WERE OBTAINED USING REAL-TIME KINEMATIC (RTK) GPS AND USING A FIXED ORTHOMETRIC CORRECTION OF -2.65' FOR THE NAVD88-MLLW DIFFERENCE.

4. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEEDED BY A (+) SIGN.

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 (NAD 83).

6. THIS SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC (RTK) GPS POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATION:

**REFERENCE BASE LOCATED AT "IWSJ-224"*

NORTHING: 1950641.85'

EASTING 582790.52'

NAVD88 ELEVATION: 6.26'

**TIDE STAFF LOCATED FROM "IWSJ-224"*
MLLW ELEVATION: 8.91'

VERTICAL MEASUREMENTS WERE MADE USING A ROSS SMART SOUNDER MODEL 835 DUAL FREQUENCY SOUNDER WITH A SINGLE BEAM TRANSDUCER OPERATING AT 28 AND 200 kHz.

SURVEY VESSEL	DATE OF SURVEY	CUT
SB-32	1 JUL 2011	F-2 STA. 5+50 - 33+00
SB-32	5 JUL 2011	F-2 STA. 31+00 (RERUN)
SB-32	5 AUG 2011	SJ-60, STA 23+90-26+86 & SJ-61, STA 0+00-15+00
SB-32	10 SEP 2011	SJ-60, STA 5+00-26+86 & SJ-61, STA 0+00-5+00, 12+00, THRU 14+00
SB-32	12 SEP 2011	SJ-60, STA 25+50 TO SJ-61, STA 0+50

7. 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 SURVEY.

8. 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.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description
N	A	A-N	ABCD

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

Designed by:
Cad by: D.V.T.
DWN by: D.M.W.
Inv. No. - - -
Date: 11 2011

V-2-06, C-SS-BRDR.DGN
IWW NCCF BS 11WRR.DGN
Reference files:
10-005-VH-01.DGN
File name:

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
ST. JOHNS AND FLAGLER COUNTIES

PROJECT CONDITION SURVEY
12 - FOOT PROJECT
VACINITY OF MATANZAS INLET
COVER SHEET

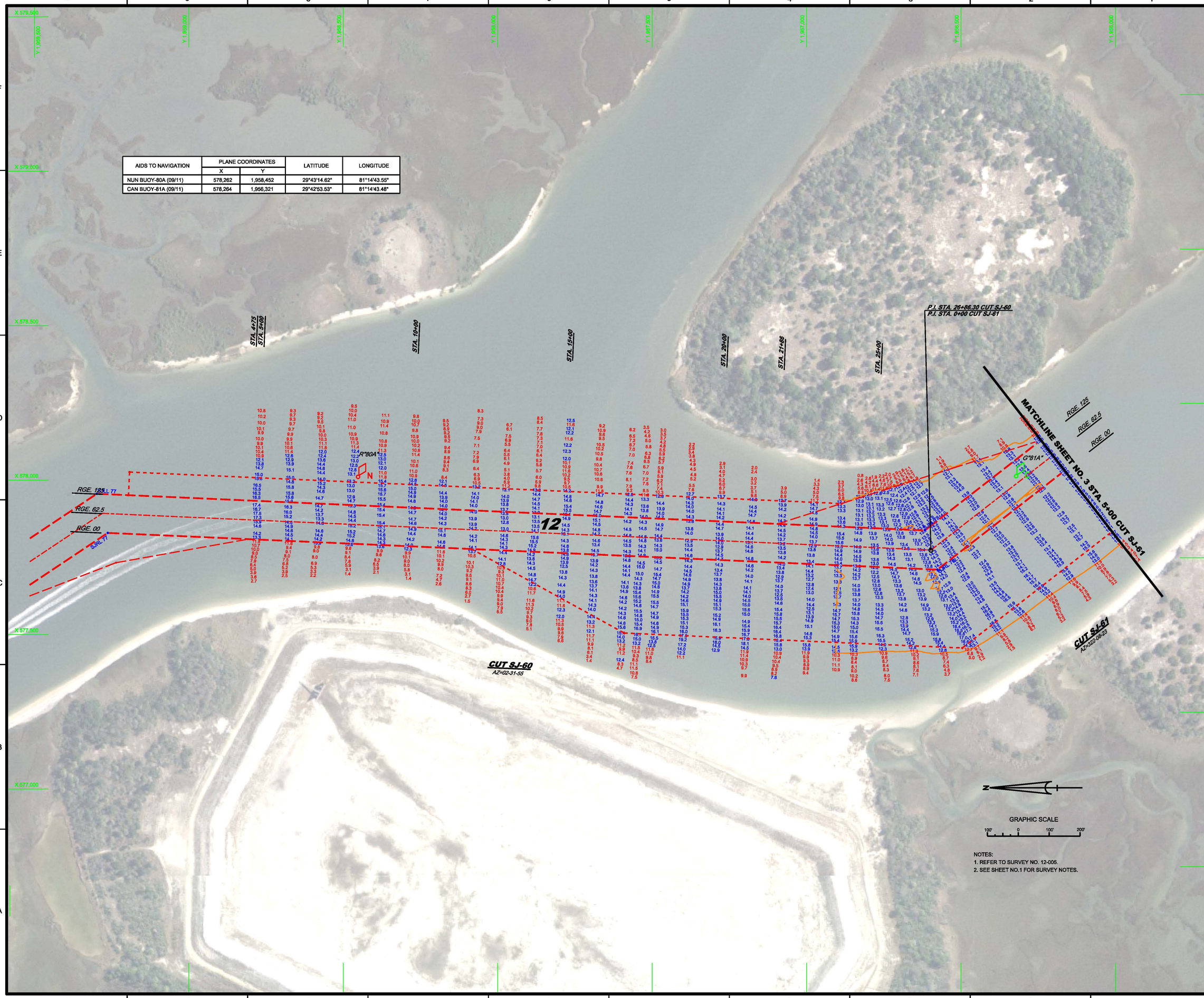
Scale: AS SHOWN

Drawing no.

1/5

SHEET 1 OF 5

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
NUN BUOY-80A (09/11)	578,262	1,958,452	29°43'14.62"	81°14'43.55"
CAN BUOY-81A (09/11)	578,264	1,956,321	29°42'53.53"	81°14'43.48"



NOTES:
1. REFER TO SURVEY NO. 12-005.
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
		A-N	ABCD

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

Designed by:
Dwn by: D.M.W.
Ckd by: D.V.T.
Inv. No. ---
Date: 11 2011

12-005-D-B-R005-D.DGN
12-005-CP-B-R001-D.DGN
11-135-V-HPNAV.DGN
11-135-V-HP-S.080.DGN
11-135-V-HP-S.081.DGN

Reference files:
12-005-VH-75.DGN
File name:

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
ST. JOHNS AND FLAGLER COUNTIES

PROJECT CONDITION SURVEY
12 - FOOT PROJECT
STA. 1+00 CUT SJ-60 THRU STA. 5+00 CUT SJ-61
PLAN

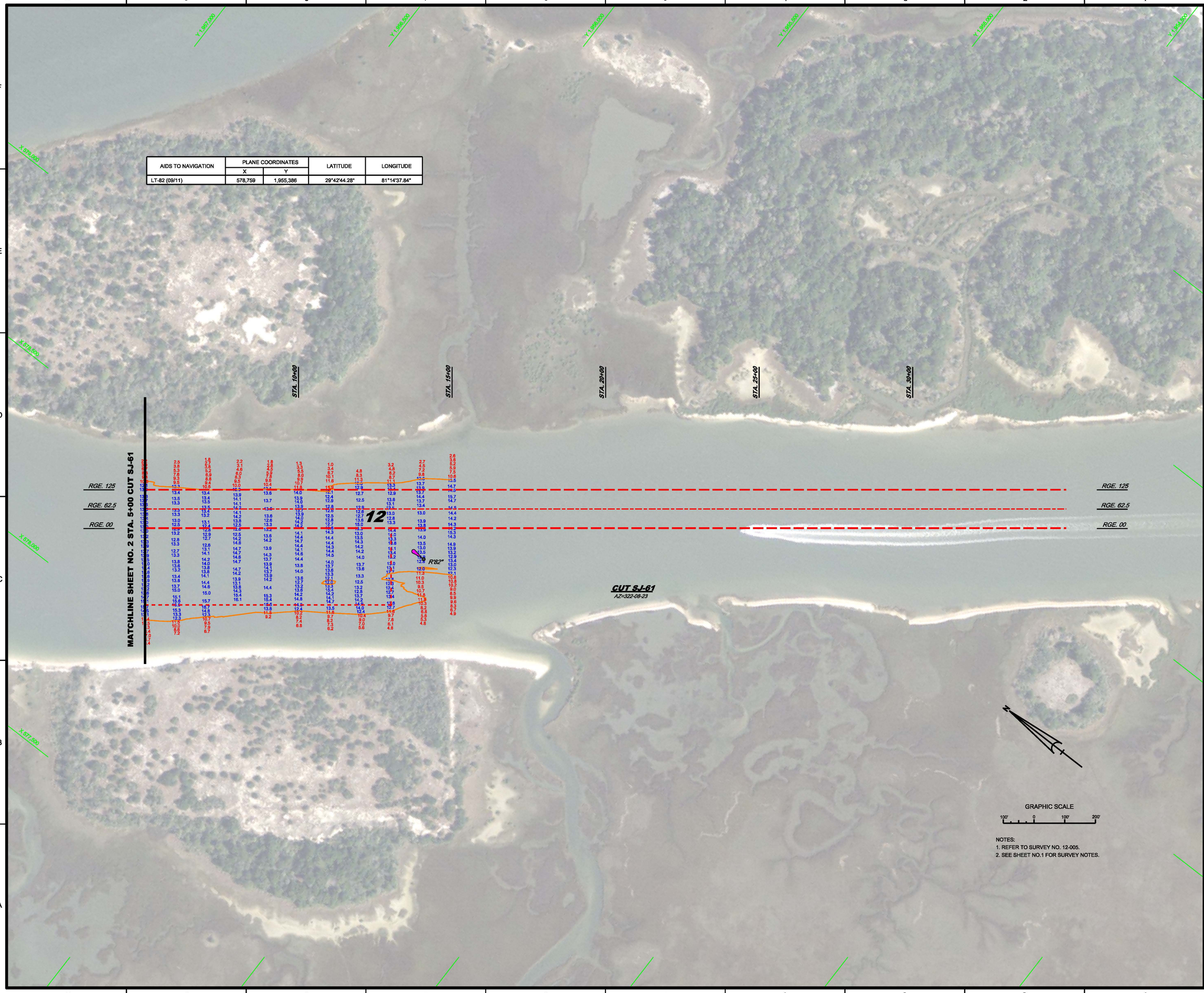
Scale: AS SHOWN

Drawing no.

2/5

SHEET 75 OF 82

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-82 (09/11)	578,759	1,955,386	29°42'44.28"	81°14'37.84"



NOTES:
1. REFER TO SURVEY NO. 12-005.
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
N		A-N	ABCD

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

Designed by:
Chk by: D.V.T.
DWN by: D.M.W.
Rev. No. - - -
Date: 11 2011

12-005-C-B-2-SCS.DGN
12-005-C-B-3-HYD.DGN
11-135-V-1-PNAV.DGN
11-135-V-1-P S-61.DGN

Reference files:
12-005-V1-76.DGN
File name:

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
ST. JOHNS AND FLAGLER COUNTIES

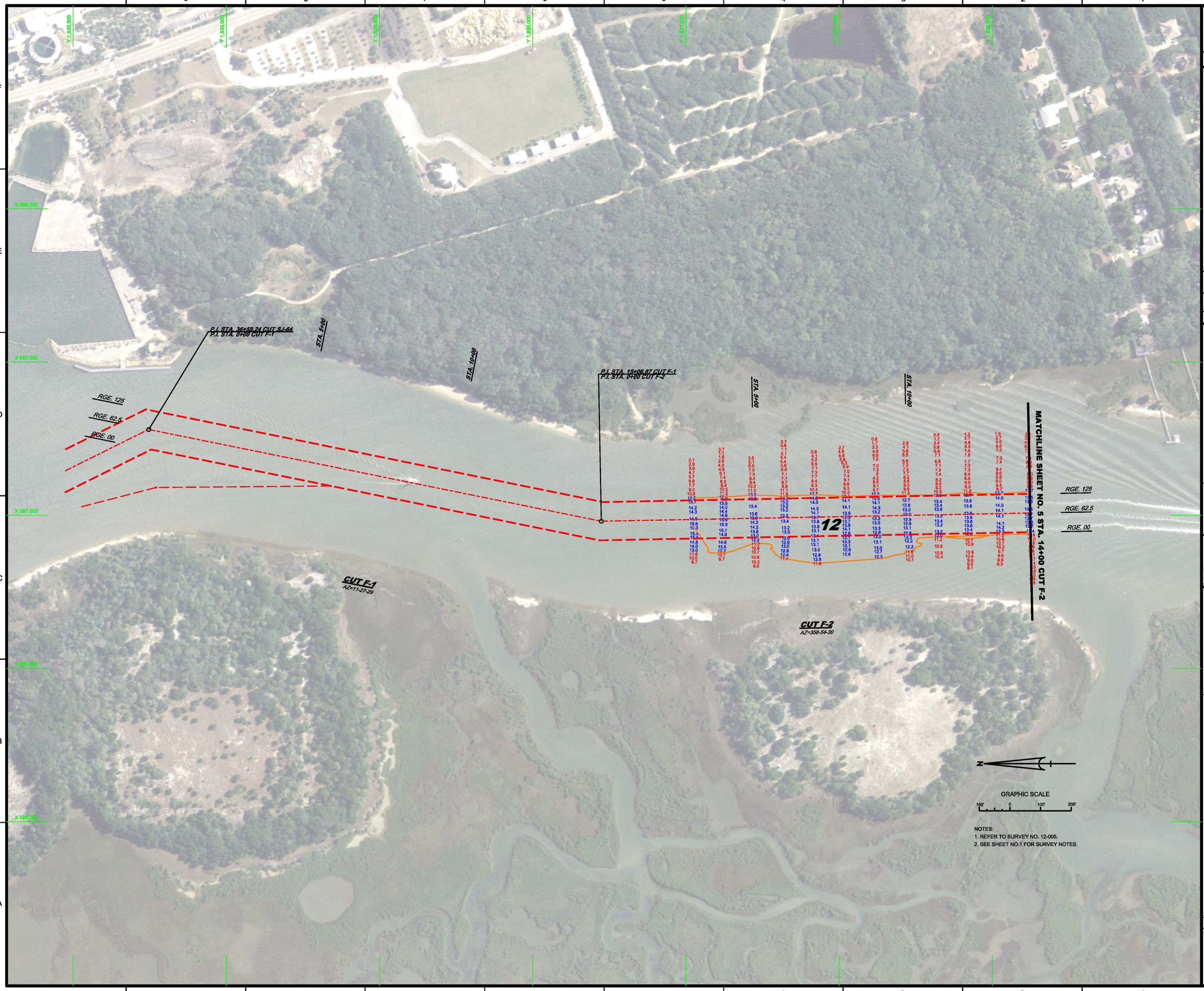
PROJECT CONDITION SURVEY
12 - FOOT PROJECT
STA. 5+00 THRU STA. 35+00 CUT SJ-61
PLAN

Scale: AS SHOWN

Drawing no.

3/5

SHEET 76 OF 82



NOTES:
1. REFER TO SURVEY NO. 12-005.
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
N		A-N	ABCD

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

Designed by:
Cad by: D.V.T.
DWN by: D.M.W.
Inv. No. - - -
Date: 11 2011

12-005-C-3-SHOR.DGN
WORK-CF-SJ-64.DGN
11-135-V-HPNAV.DGN
11-135-V-HP F2.DGN

Reference files:
12-005-VH-02.DGN
File name:

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
ST. JOHNS AND FLAGLER COUNTIES

PROJECT CONDITION SURVEY
12 - FOOT PROJECT
STA. 0+00 CUT F-1 THRU STA. 14+00 CUT F-2
PLAN

Scale: AS SHOWN

Drawing no.

4/5

SHEET 2 OF 31

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-92 (09/11)	586,921	1,935,918	29°39'31.72"	81°13'04.86"
LT-94 (09/11)	586,980	1,934,012	29°39'12.85"	81°13'04.16"

MATCHLINE SHEET NO. 4 STA. 14+00 CUT F-2

STA. 15+00

STA. 20+00

STA. 25+00

STA. 30+00

STA. 35+00

STA. 5+00

P.I. STA. 37+30.50 CUT F-2
P.I. STA. 0+00 CUT F-3

RGE. 125

RGE. 62.5

RGE. 00

R"92"

R"94"

12

CUT F-2
AZ=358-54-30

CUT F-3
AZ=344-31-07

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 12-005.
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
N		A-N	ABCD

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

Designed by:
DWN by: D.M.W.
Ckd by: D.V.T.
Rev. No. - - -
Date: 11 2011

12-005-C-S-B-R-R-D.DGN
12-005-C-S-B-R-R-L.DGN
11-135-V-HPNAV.DGN
11-135-V-HP FZ.DGN

Reference files:
12-005-VH-03.DGN
File name:

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
ST. JOHNS AND FLAGLER COUNTIES

PROJECT CONDITION SURVEY
12 - FOOT PROJECT
STA. 14+00 CUT F-2 THRU STA. 6+00 CUT F-3
PLAN

Scale: AS SHOWN

Drawing no.

5/5

SHEET 3 OF 31