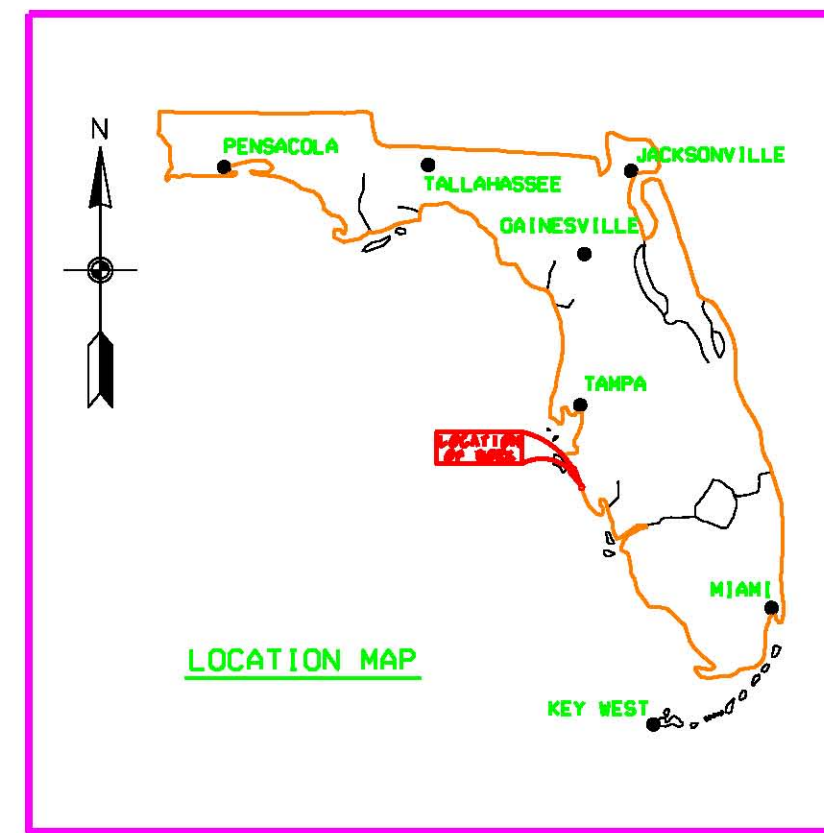


VENICE INLET, CASEYS PASS & INTRACOASTAL WATERWAY, CUTS 1-4 & CALOOSA HATCHEE RIVER TO ANCLOTE RIVER CUTS S-19 THRU S-21 PROJECT CONDITION SURVEY



US Army Corps of Engineers
Jacksonville District
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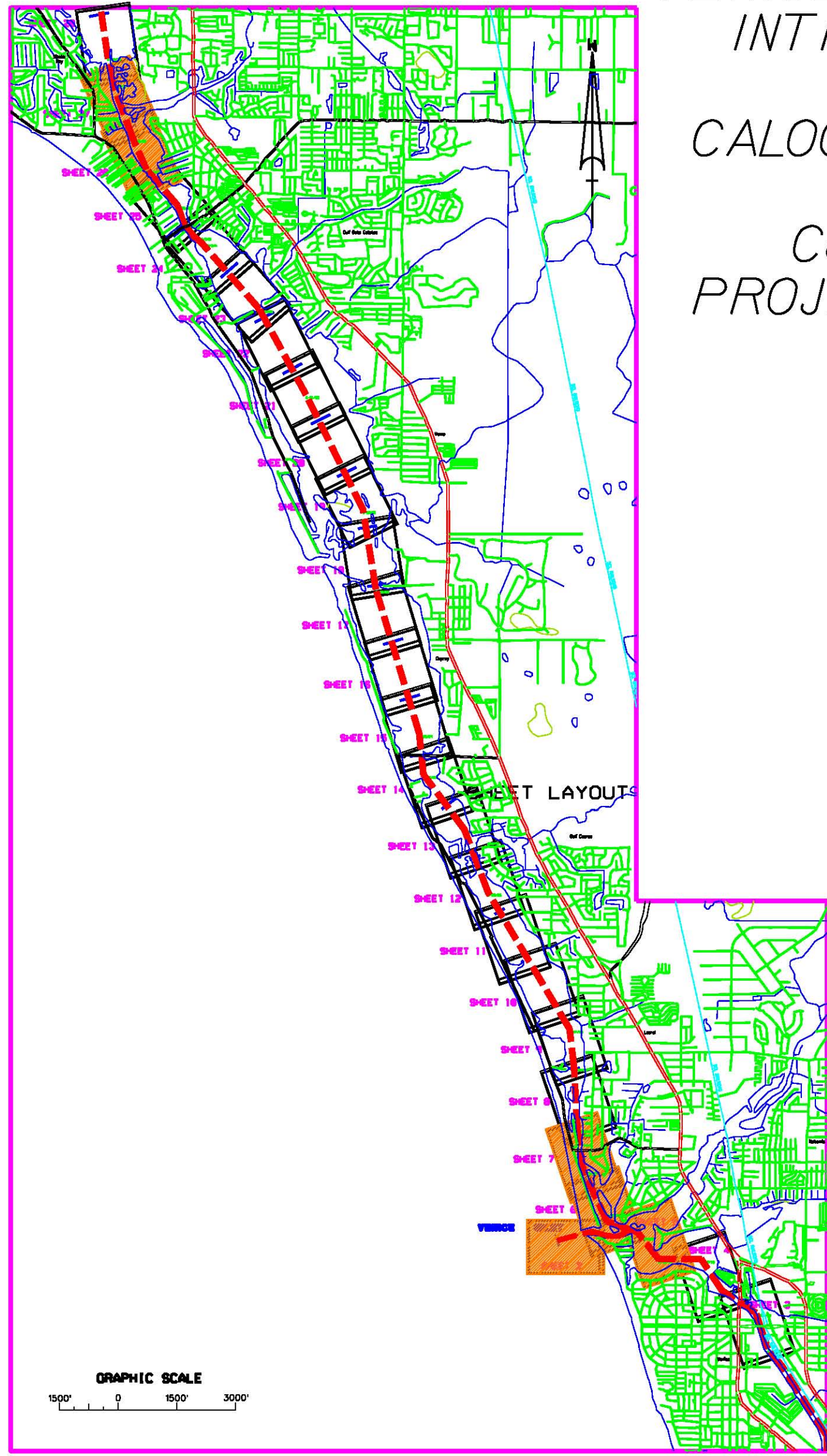
DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
JACKSONVILLE DISTRICT

DESIGNED BY: [Name]
CHECKED BY: [Name]
DATE: [Date]

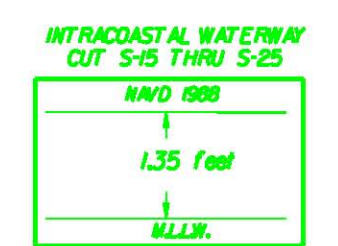
PROJECT: INTRACOASTAL WATERWAY CALOOSA HATCHEE RIVER TO ANCLOTE RIVER PROJECT CONDITION SURVEY 9-FOOT PROJECT INDEX LOCATION AND VICINITY PLAN

DRAWING NO. 1/5
SHEET 1 OF 28

- SURVEY NOTES:**
- REFER TO SURVEY NO.09-082.
 - SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO NOAA'S REPORTED MEAN LOWER LOW WATER (MLLW) OF THE 1983-2001 TIDAL EPOCH. REFER TO TABLES SHOWN FOR DIFFERENCES BELOW NAVD 1988.
 - ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (-) SIGN.
 - TIDAL WERE ACQUIRED USING RTK BASE STATION AT NGS MONUMENT "VENIPOINT" LOCATED AT THE VENICE AIRPORT. TIDE STAFF WAS SET AT THE CROWS NEST MARINA USING DNR "R-115 RESET". NAVD88 ELEVATION = 4.30'. MLLW DATUM = 1.45' FOR CUTS 1-4 AND THE MLLW DATUM FOR CUTS S-19 THRU S-21 WAS 1.35'.
 - PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE WEST ZONE OF FLORIDA AND REFERENCED TO NORTH AMERICAN DATUM OF 1983 (NAD83).
 - ALL AZIMUTHS ARE GRID; RECKONED CLOCKWISE FROM SOUTH.
 - ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
 - THIS SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC (RTK) GPS POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATIONS:
 *REFERENCE BASE LOCATED AT "VENIPOINT"
 NORTHING: 996,978.75'
 EASTING: 510,714.34'
 NAVD88 ELEVATION: 13.92'
 *TIDE STAFF LOCATED AT "R-115 RESET"
 NORTHING: 1,040,377.71'
 EASTING: 504,039.85'
 NAVD88 ELEVATION: 4.30'
 VERTICAL MEASUREMENTS WERE MADE USING A ROSS SMARTSOUNDER DUAL FREQUENCY (28/200KHZ) SINGLE-BEAM TRANSDUCER. SOUNDINGS ARE SHOWN IN HIGH FREQUENCY (200KHZ).
- | VESSEL | DATE OF SURVEY | CUT |
|--------|----------------|---|
| WB-32 | 16-18 JUN 2009 | MW CUTS S-19 THRU S-21, VENICE INLET CUTS 1-4 |
- AIDS TO NAVIGATION WERE LOCATED DURING THIS SURVEY.
 - 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.
 - SURVEY ACCURACY PERFORMANCE STANDARDS, QUALITY CONTROL, AND QUALITY ASSURANCE REQUIREMENTS WERE FOLLOWED DURING THIS SURVEY IN ACCORDANCE WITH USACE EM 1110-2-1003, HYDROGRAPHIC SURVEYS, 01 APR 04.



Relationship between NAVD 1988 and NOAA Mean Lower Low Water Tidal Datum (1983-2001) epoch

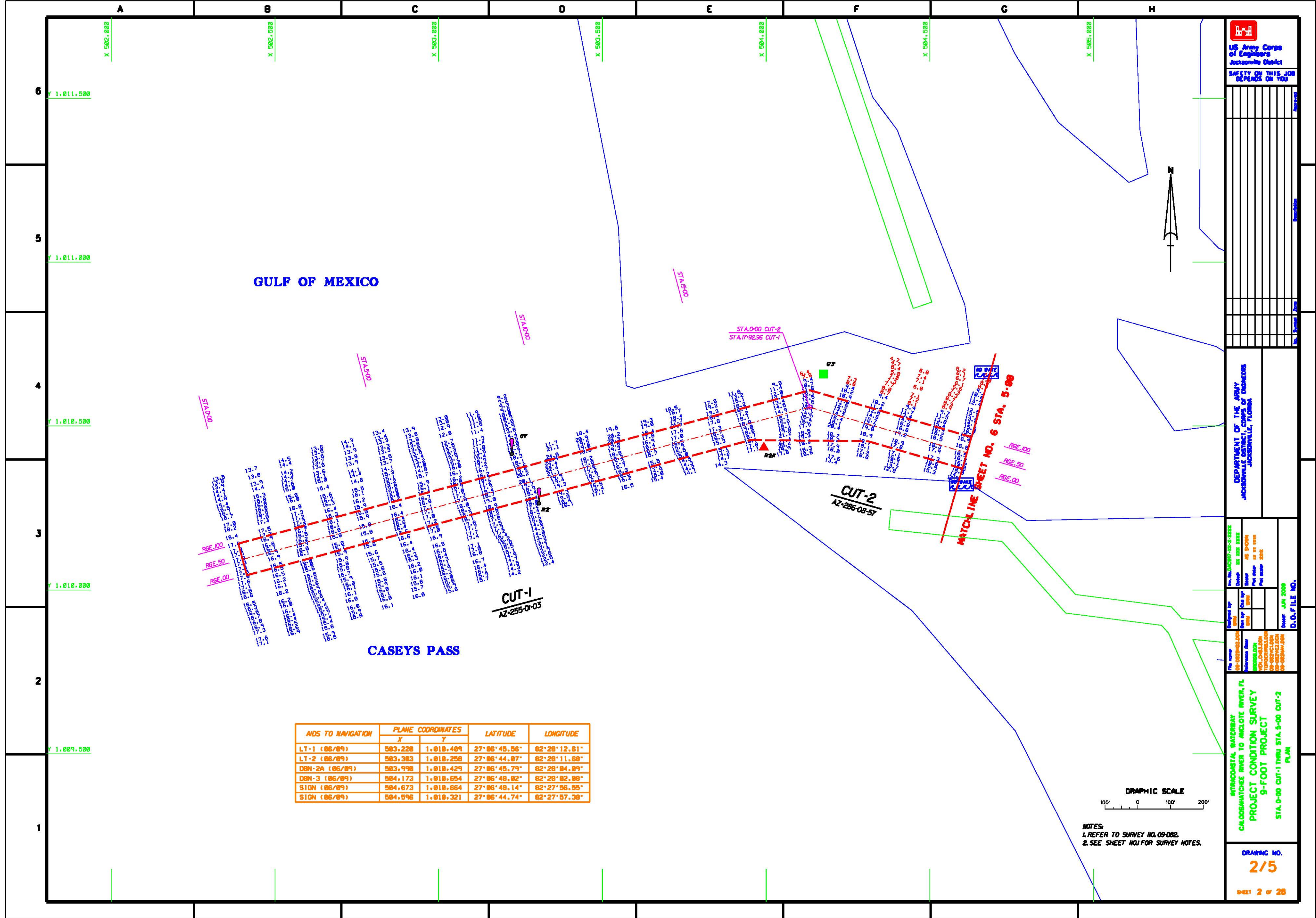


Relationship between NAVD 1988 and NOAA Mean Lower Low Water Tidal Datum (1983-2001)

LEGEND

◉ BM	BENCHMARK
☼	LIGHTED BEACON
■	GREEN DAYBEACON
▲	RED DAYBEACON
⦿	RED LIGHTED BUOY
⦿	GREEN LIGHTED BUOY
⦿	CAN BUOY
⦿	NUN BUOY
⦿	TIDE STAFF

BENCHMARK	NAVD ELEV.(FT)
R-115 RESET	4.30
VENIPOINT	13.92



US Army Corps of Engineers
Jacksonville District

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JACKSONVILLE, FLORIDA

Project No. 10000000-00-0000
Contract No. 00000000-00-0000
Task Order No. 00000000-00-0000
Drawn by: [Name]
Checked by: [Name]
Scale: AS SHOWN
Date: 08/20/08
D.O. FILE NO.

INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANICLOTE RIVER, FL
PROJECT CONDITION SURVEY
9-FOOT PROJECT
STA. 0+00 CUT-1 THRU STA. 5+00 CUT-2
PLAN

DRAWING NO.
2/5
SHEET 2 of 28

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-1 (06/09)	083,228	1,010,409	27°06'45.56"	82°28'12.61"
LT-2 (06/09)	083,383	1,010,208	27°06'44.87"	82°28'11.68"
DBN-2A (06/09)	083,998	1,010,429	27°06'45.79"	82°28'04.89"
DBN-3 (06/09)	084,173	1,010,654	27°06'48.82"	82°28'02.88"
SIGN (06/09)	084,673	1,010,664	27°06'48.14"	82°27'56.85"
SIGN (06/09)	084,896	1,010,321	27°06'44.74"	82°27'57.38"

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 09-082.
2. SEE SHEET NO. J FOR SURVEY NOTES.

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-13 (06/09)	587.588	1.089.838	27°06'32.86"	82°27'25.28"
DBN-14 (06/09)	587.368	1.089.528	27°06'36.99"	82°27'26.77"
DBN-15 (06/09)	586.683	1.018.134	27°06'42.96"	82°27'34.28"
LT-16 (06/09)	586.497	1.018.522	27°06'46.88"	82°27'36.35"
DBN-17 (06/09)	586.298	1.018.454	27°06'46.12"	82°27'38.95"
PRIV BUOY-1 (06/09)	587.155	1.089.375	27°06'35.47"	82°27'29.82"
PRIV BUOY-2 (06/09)	587.127	1.089.486	27°06'36.56"	82°27'29.34"
SIGN (06/09)	586.738	1.018.368	27°06'45.28"	82°27'33.68"
SIGN (06/09)	586.572	1.018.273	27°06'44.34"	82°27'35.51"
SIGN (06/09)	587.192	1.089.827	27°06'39.94"	82°27'28.63"
SIGN (06/09)	587.816	1.018.865	27°06'42.38"	82°27'38.59"

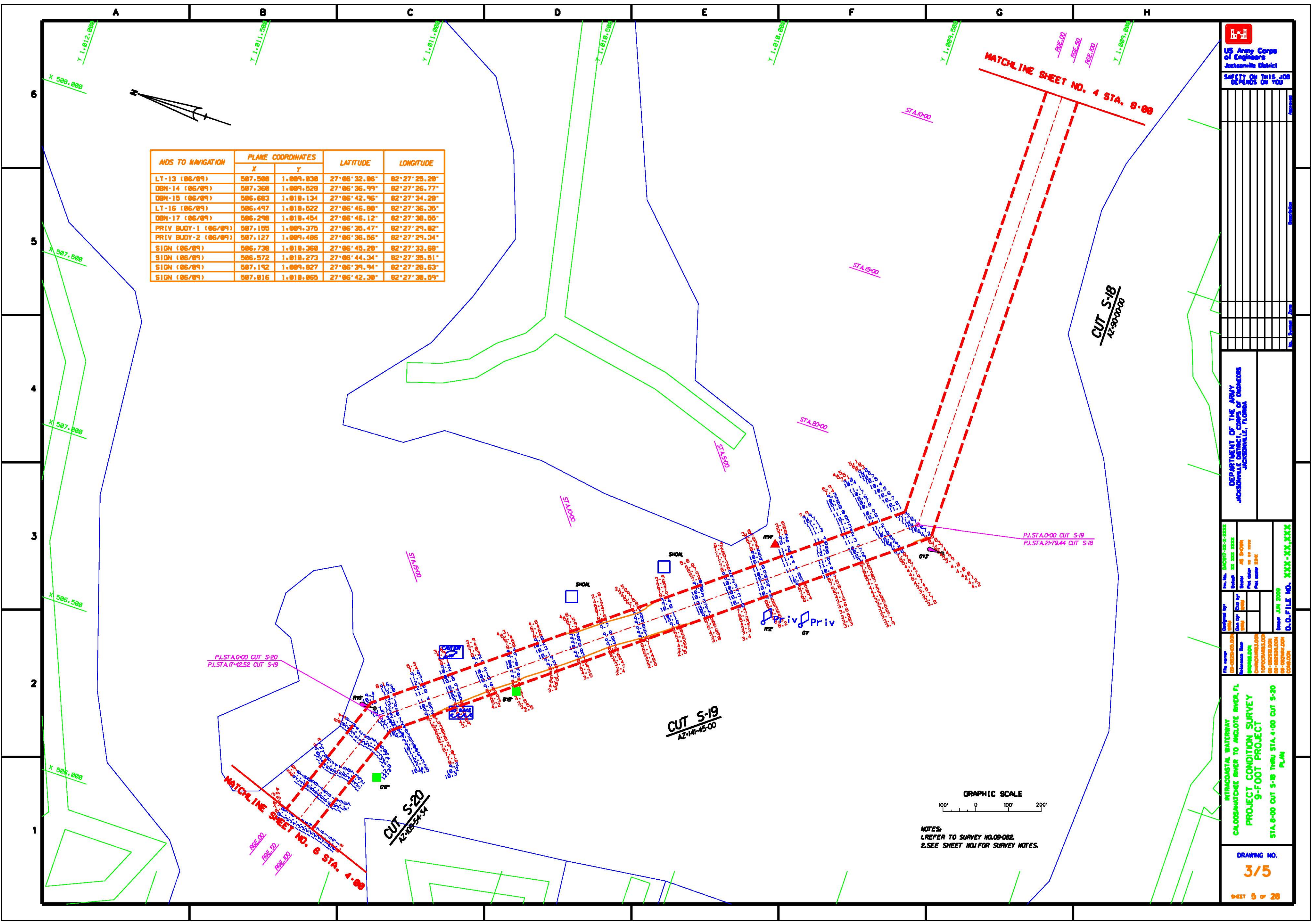
US Army Corps of Engineers
Jacksonville District
SAFETY ON THIS JOB
DEPENDS ON YOU

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
JACKSONVILLE DISTRICT

Designed by: [Name]
Checked by: [Name]
Drawn by: [Name]
Scale: AS SHOWN
Plot Date: 08/18/2010
Plot Scale: 1"=100'

INTRACOSTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER, FL.
PROJECT CONDITION SURVEY
9-FOOT PROJECT
STA 8+00 CUT S-18 THRU STA 4+00 CUT S-20
PLAN

DRAWING NO.
3/5
SHEET 5 OF 28



GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 09082.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

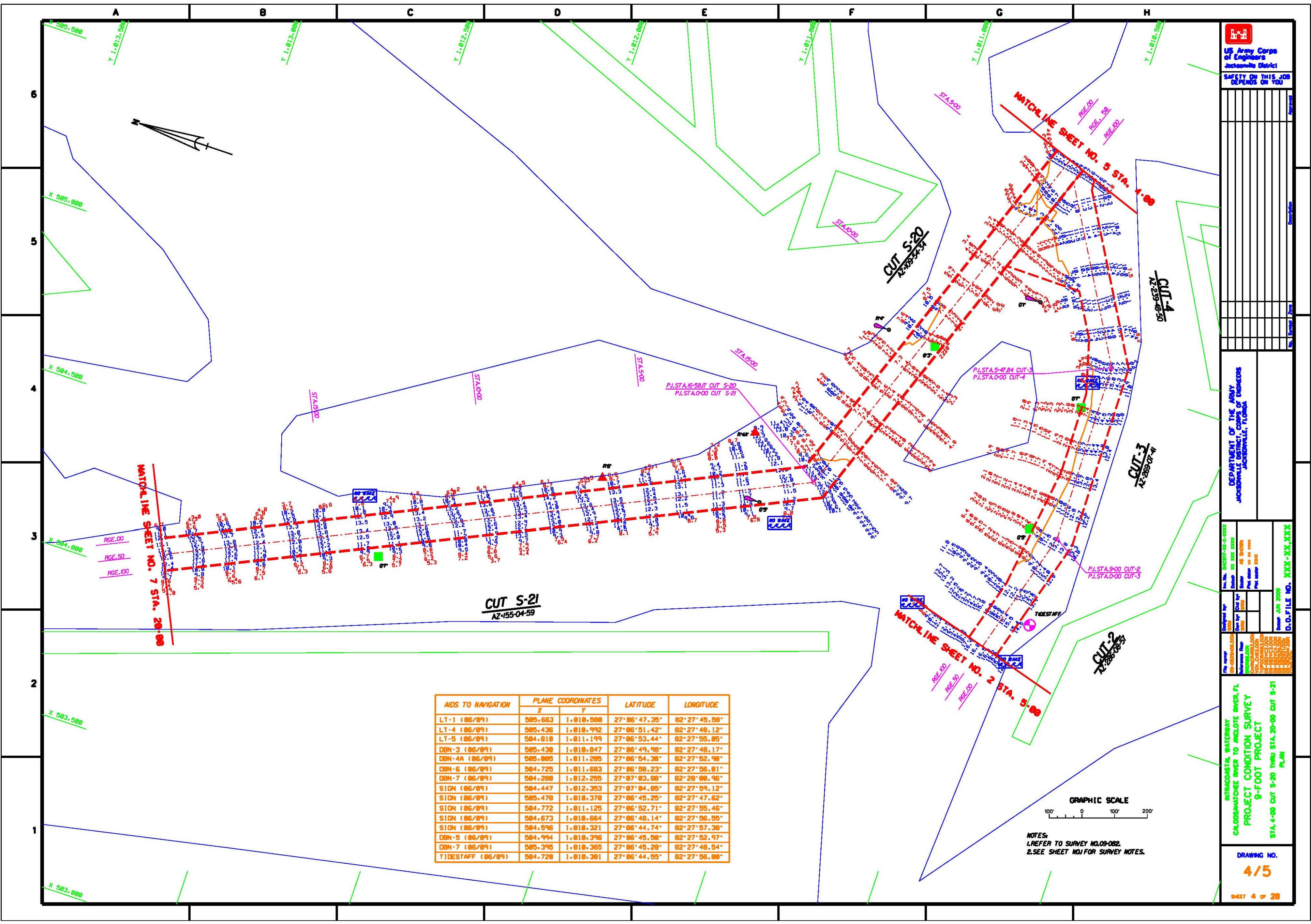
US Army Corps of Engineers
Jacksonville District
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DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
JACKSONVILLE DISTRICT

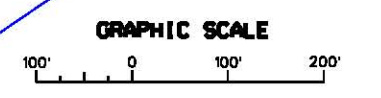
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Project End Date	00000000
Project Status	00000000
Project Manager	00000000
Project Engineer	00000000
Project Designer	00000000
Project Checker	00000000
Project Approver	00000000
Project Date	00000000
Project Revision	00000000
Project File No.	00000000
Project Title	00000000

INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER, FL.
PROJECT CONDITION SURVEY
9-FOOT PROJECT
STA 4+00 CUT S-20 THRU STA 20+00 CUT S-21
PLAN

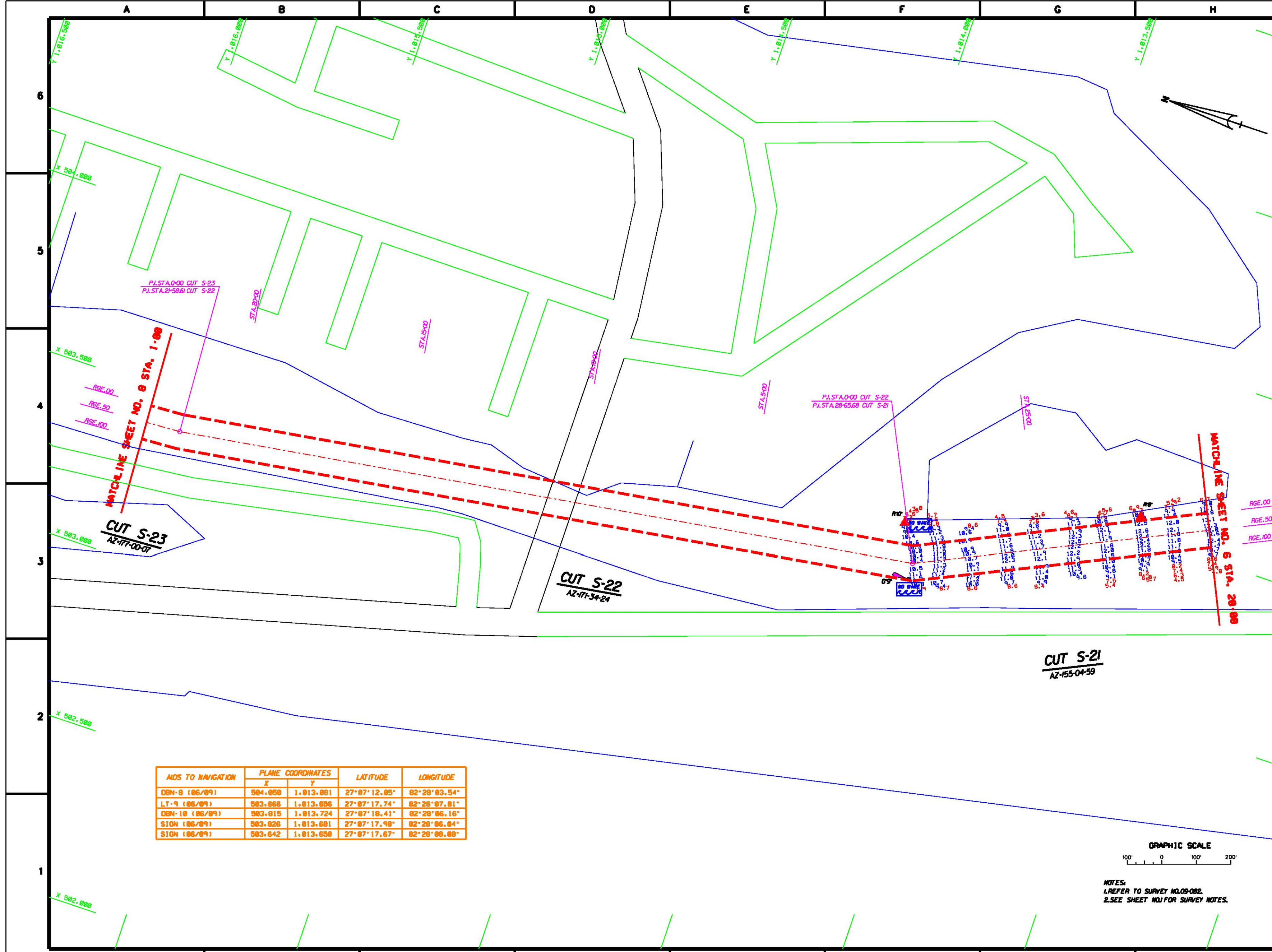
DRAWING NO.
4/5
SHEET 4 of 28



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-1 (06/09)	585.653	1.010.588	27°06'47.35"	82°27'45.58"
LT-4 (06/09)	585.436	1.010.992	27°06'51.42"	82°27'48.12"
LT-5 (06/09)	584.010	1.011.199	27°06'53.44"	82°27'55.05"
DBN-3 (06/09)	585.438	1.010.847	27°06'49.98"	82°27'48.17"
DBN-4A (06/09)	585.885	1.011.285	27°06'54.38"	82°27'52.98"
DBN-6 (06/09)	584.725	1.011.683	27°06'58.23"	82°27'56.01"
DBN-7 (06/09)	584.288	1.012.255	27°07'03.88"	82°28'00.96"
SIGN (06/09)	584.447	1.012.353	27°07'04.85"	82°27'59.12"
SIGN (06/09)	585.478	1.010.378	27°06'45.25"	82°27'47.62"
SIGN (06/09)	584.772	1.011.125	27°06'52.71"	82°27'55.46"
SIGN (06/09)	584.673	1.010.664	27°06'48.14"	82°27'56.55"
SIGN (06/09)	584.996	1.010.321	27°06'44.74"	82°27'57.38"
DBN-5 (06/09)	584.994	1.010.398	27°06'45.58"	82°27'52.97"
DBN-7 (06/09)	585.395	1.010.365	27°06'45.28"	82°27'48.54"
TIDESTAFF (06/09)	584.728	1.010.381	27°06'44.85"	82°27'56.88"



NOTES:
1. REFER TO SURVEY NO. 09-082.
2. SEE SHEET NO. FOR SURVEY NOTES.




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 Jacksonville District
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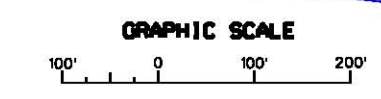
DEPARTMENT OF THE ARMY
 JACKSONVILLE DISTRICT
 JACKSONVILLE, FLORIDA

Project No. 00000-00-0000
 Contract No. 00000-00-0000
 Task Order No. 00000-00-0000
 Procurement Order No. 00000-00-0000
 Revision: 0000
 D.O.F. FILE NO. XXX-XXX-XXX

INTRACOSTAL WATERWAY
 CALOOSAHATCHEE RIVER TO ANICLOTE RIVER
 PROJECT CONDITION SURVEY
 9-FOOT PROJECT
 STA. 20+00 CUT S-21 THRU STA. 1+00 CUT S-23
 PLAN

DRAWING NO.
5/5
 SHEET 7 of 28

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-8 (06/09)	504.050	1.013.001	27°07'12.85"	82°28'03.54"
LT-9 (06/09)	503.666	1.013.656	27°07'17.74"	82°28'07.81"
DBN-10 (06/09)	503.815	1.013.724	27°07'18.41"	82°28'06.16"
SIGN (06/09)	503.826	1.013.681	27°07'17.98"	82°28'06.04"
SIGN (06/09)	503.642	1.013.650	27°07'17.67"	82°28'06.08"



NOTES:
 1. REFER TO SURVEY NO. 05-082.
 2. SEE SHEET NO. 1 FOR SURVEY NOTES.