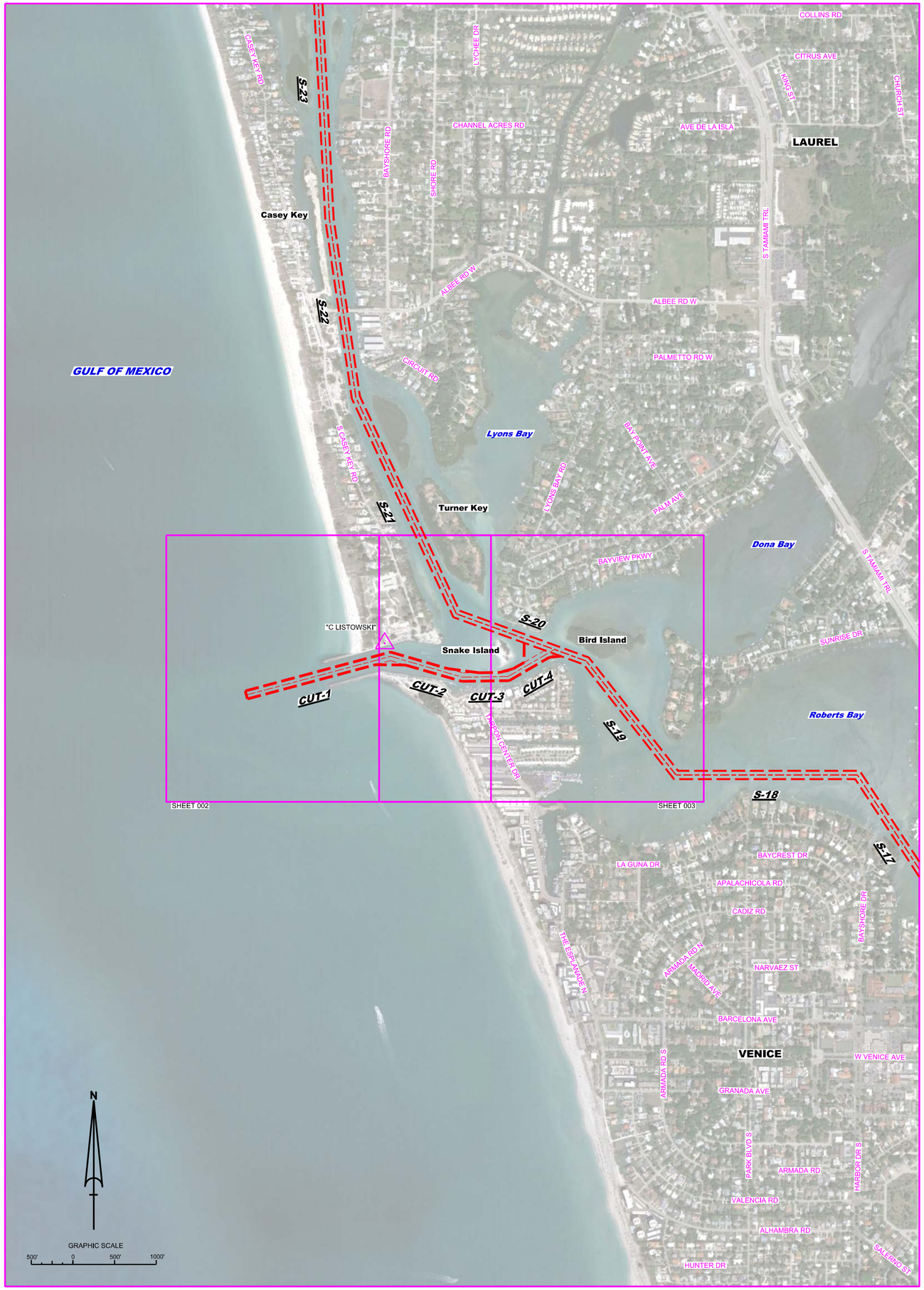
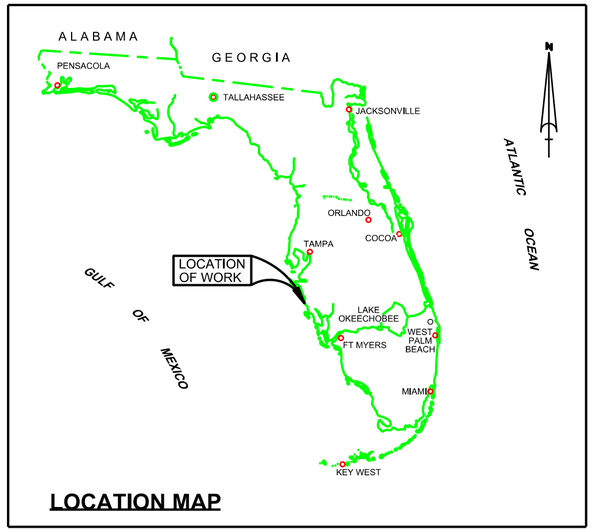




VENICE INLET - CASEY'S PASS
SARASOTA COUNTY, FLORIDA
HYDROGRAPHIC EXAM SURVEY FY18
9-FOOT PROJECT

SURVEY NOTES

1. REFER TO SURVEY NO. 18-065.
2. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO NOAA'S REPORTED MEAN LOWER LOW WATER (MLLW) OF THE 1983-2001 TIDAL EPOCH.
3. TIDAL REDUCTIONS WERE OBTAINED UTILIZING A REAL-TIME KINEMATIC (RTK) GPS AND REFERENCED TO MLLW UTILIZING A HYPACK KINEMATIC TIDE DATUM (KTD) MODEL. KTD FILE NAME: "SPC-FL-WEST-2010-12-07.KTD".
4. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGN.
5. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE WEST ZONE OF FLORIDA AND REFERENCED TO NORTH AMERICAN DATUM OF 1983 (NAD83).
6. ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
7. THIS SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC (RTK) GPS POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATION:

   REFERENCE BASE LOCATED AT "C LISTOWSKI" (PID: BBDX69)
8. DEPTHS DEPICTED BY THIS SURVEY ARE REFERENCED TO MLLW, TIDAL EPOCH 1983-2001, AS REPORTED BY THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA). A MODIFIED VERSION OF NOAA'S VDATUM MODEL WAS USED TO CALIBRATE TO THE PUBLISHED MLLW HEIGHTS OF THE BENCH MARKS BELOW:

   NOAA TIDAL STATION 872-5899 FOR ENTIRE PROJECT (PID: DL9718)
9. VERTICAL MEASUREMENTS WERE MADE USING AN EDGETECH 6205 COMBINED SIDESCAN / MULTI-BEAM SONAR. ALL SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.

VESSEL	DATE OF SURVEY	CUT
SB-44	08-09 FEB 2018	CUTS 1-4

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.
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, 30 NOV 13.

LEGEND	
△	MONUMENT
	LIGHTED BEACON
■	GREEN DAYBEACON
▲	RED DAYBEACON
	RED LIGHTED BUOY
	GREEN LIGHTED BUOY
C	CAN BUOY
N	NUN BUOY
	TIDE STAFF
8	PROJECT DEPTH

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No. Symbol Zone

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

Designed by: WRM
Drawn by: WRM
Cad by: GMR
Rev. No.
Date: FEB 2018

Reference files:
XXXXXXXX-XX-XXXXXX.DGN
XXXXXXXX-XX-XXXXXX.DGN
XXXXXXXX-XX-XXXXXX.DGN
XXXXXXXX-XX-XXXXXX.DGN
GMWAC-ARGMCCF.DGN
GMWAC-ARGMCCF.DGN
VENICE INLET-C-NGMCCF.DGN
19-065-CASE-BRDR.DGN
File name: 19-065-VH-001.DGN

VENICE INLET / CASEY'S PASS
SARASOTA COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY18
9-FOOT PROJECT

INDEX, LOCATION AND VICINITY

MAP

Scale: AS SHOWN

Drawing no.

1

SHEET 01 OF 03

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-1 (02/18)	503,207	1,010,412	27°06'45.60"	82°28'12.77"
LT-2 (02/18)	503,312	1,010,239	27°06'43.88"	82°28'11.60"
DBN-2A (02/18)	504,025	1,010,420	27°06'45.70"	82°28'03.72"
DBN-3 (02/18)	504,138	1,010,646	27°06'47.94"	82°28'02.48"
SIGN (02/18)	504,198	1,010,392	27°06'45.43"	82°28'01.80"

NOTES:
1. REFER TO SURVEY NO. 18-065.
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

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

Designed by: WRM
DWN by: WRM
Chk by: GMR
Proj. No.
Date: FEB 2018

XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
18-065A-MAV.DGN
18-065A-SOUTH_CT.DGN
18-065A-SOUH_C1.DGN
VENICE INLET-C-NIGMCCF.DGN
18-065C-BR-BRDR.DGN
Reference files

18-065-VH-002.DGN
File name:

VENICE INLET / CASEY PASS
SARASOTA COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY18
9-FOOT PROJECT

STA. 0+00 CUT-1 THRU STA. 5+00 CUT-2

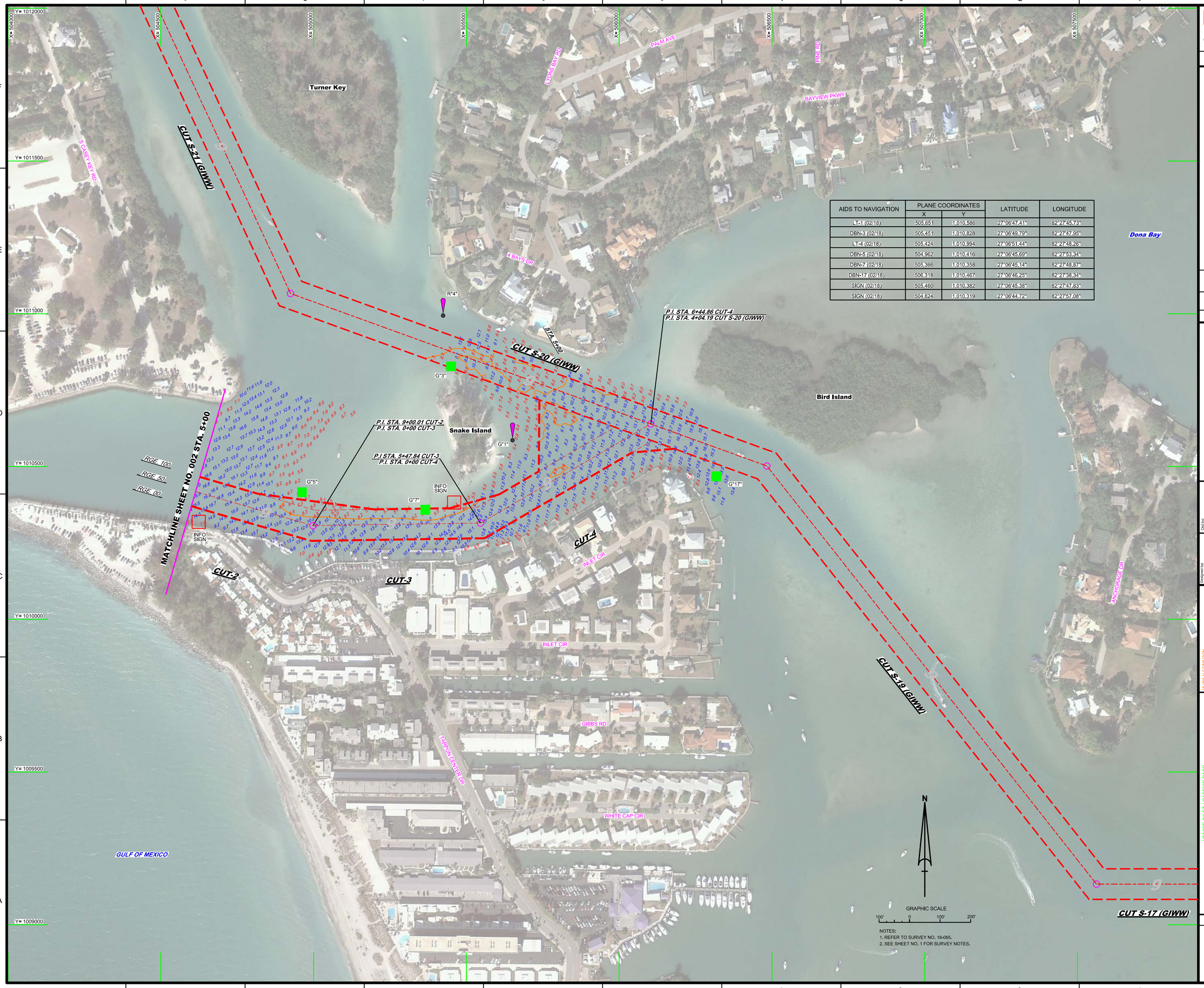
PLAN

Scale: AS SHOWN

Drawing no.

2

SHEET 02 OF 03



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-1 (02/18)	505,651	1,010,586	27°06'47.41"	82°27'45.73"
DBN-3 (02/18)	505,451	1,010,828	27°06'49.79"	82°27'47.95"
LT-4 (02/18)	505,424	1,010,994	27°06'51.44"	82°27'48.26"
DBN-5 (02/18)	504,962	1,010,416	27°06'45.69"	82°27'53.34"
DBN-7 (02/18)	505,366	1,010,358	27°06'45.14"	82°27'48.87"
DBN-17 (02/18)	506,318	1,010,467	27°06'46.25"	82°27'38.34"
SIGN (02/18)	505,460	1,010,382	27°06'45.38"	82°27'47.83"
SIGN (02/18)	504,624	1,010,319	27°06'44.72"	82°27'57.08"

NOTES:
1. REFER TO SURVEY NO. 18-065.
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

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

Designed by: VIRM
DWN by: VIRM
Chd by: CMR
Rev. No.
Date: FEB 2018

18-065-LT-CTR.DGN
18-065-A-MAP.DGN
18-065-V-SOUN_CA.DGN
18-065-V-SOUN_CD.DGN
18-065-A-SOUN_CD.DGN
GIWW-CA-MGMCF.DGN
GIWW-CD-MGMCF.DGN
VENICE INLET-CA-MGMCF.DGN
18-065-P-ESHDR.DGN
Reference files:
18-065-VH-003.DGN
File name:

VENICE INLET / CASEY'S PASS
SARASOTA COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY18
9-FOOT PROJECT

STA. 5+00 CUT-2 THRU STA. 6+44.86 CUT-4

PLAN

Scale: AS SHOWN

Drawing no.

3

SHEET 03 OF 03