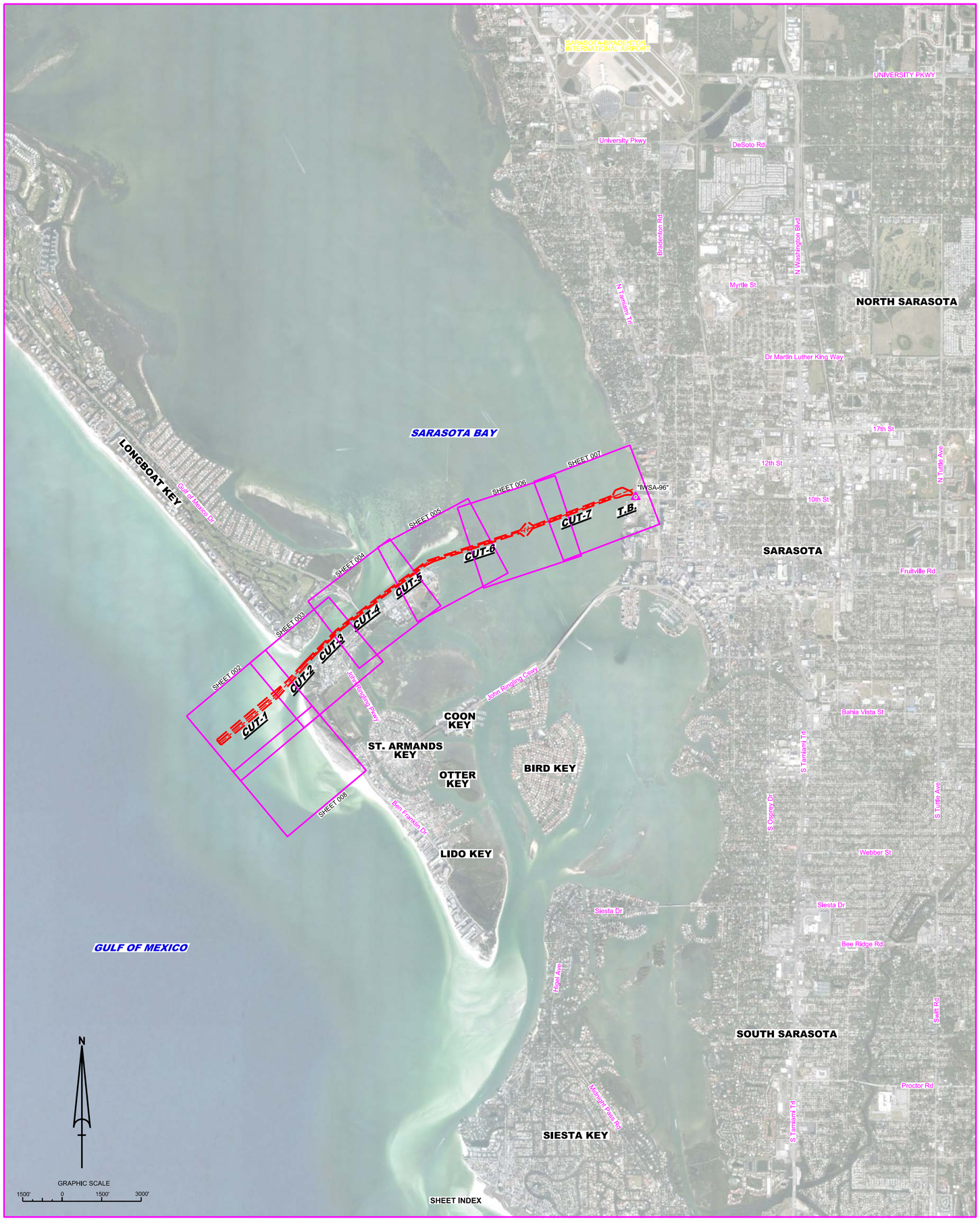
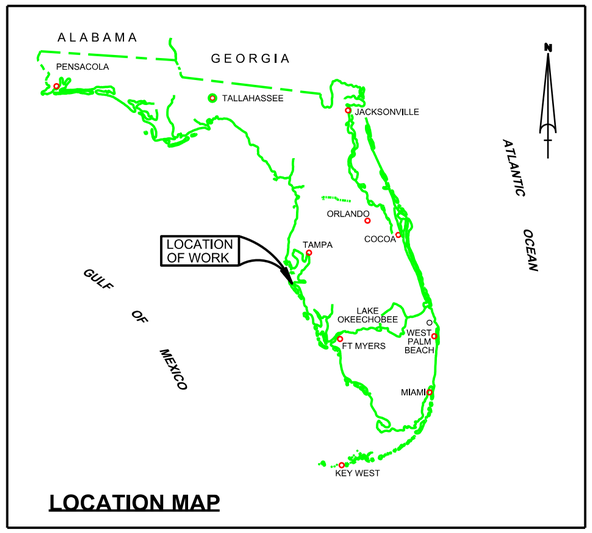




LOCATION MAP

NEW PASS
SARASOTA COUNTY, FLORIDA
HYDROGRAPHIC EXAM SURVEY FY23
8 AND 10-FOOT PROJECT

SURVEY NOTES

1. REFER TO SURVEY NO. 23-164.
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 IS: "SPC-FL-WEST-2010-12-07.KTD".
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 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 "IWSA-96" (PID: BBDG39)
8. DEPTHS DEPICTED BY THIS SURVEY ARE REFERENCED TO MLLW, TIDAL EPOCH 1983-2001 AS REPORTED BY THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA). NOAA'S VDATUM MODEL WAS USED AND CALIBRATED TO THE PUBLISHED MLLW HEIGHTS OF THE BENCHMARKS ASSOCIATED WITH THE TIDE GAGE SITES SPECIFIED BELOW:

   NOAA TIDAL STATION 872-6083 USED FOR ALL CUTS. (PID: AG7713)

   VERTICAL MEASUREMENTS WERE MADE USING A ROSS MODEL 835 SMART SOUNDER WITH A DUAL-FREQUENCY 28/200 KHZ SINGLE-BEAM TRANSDUCER. ALL SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.

VESSEL	DATE OF SURVEY	CUT
SB-52	25 APR 2023	CUTS 1, 2 AND 5
SB-52	26 APR 2023	CUTS 3, 4 AND 6
SB-52	01 MAY 2023	CUTS 6, 7 AND T.B.

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 2013.

LEGEND	
	GPS MONUMENT
	LIGHTED BEACON
	GREEN DAYBEACON
	RED DAYBEACON
	RED LIGHTED BUOY
	GREEN LIGHTED BUOY
	CAN BUOY
	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: MRM
Drawn by: MRM
Checked by: GMR
Proj. No. W912EP-XX-X-XXXX
Date: MAY 2023

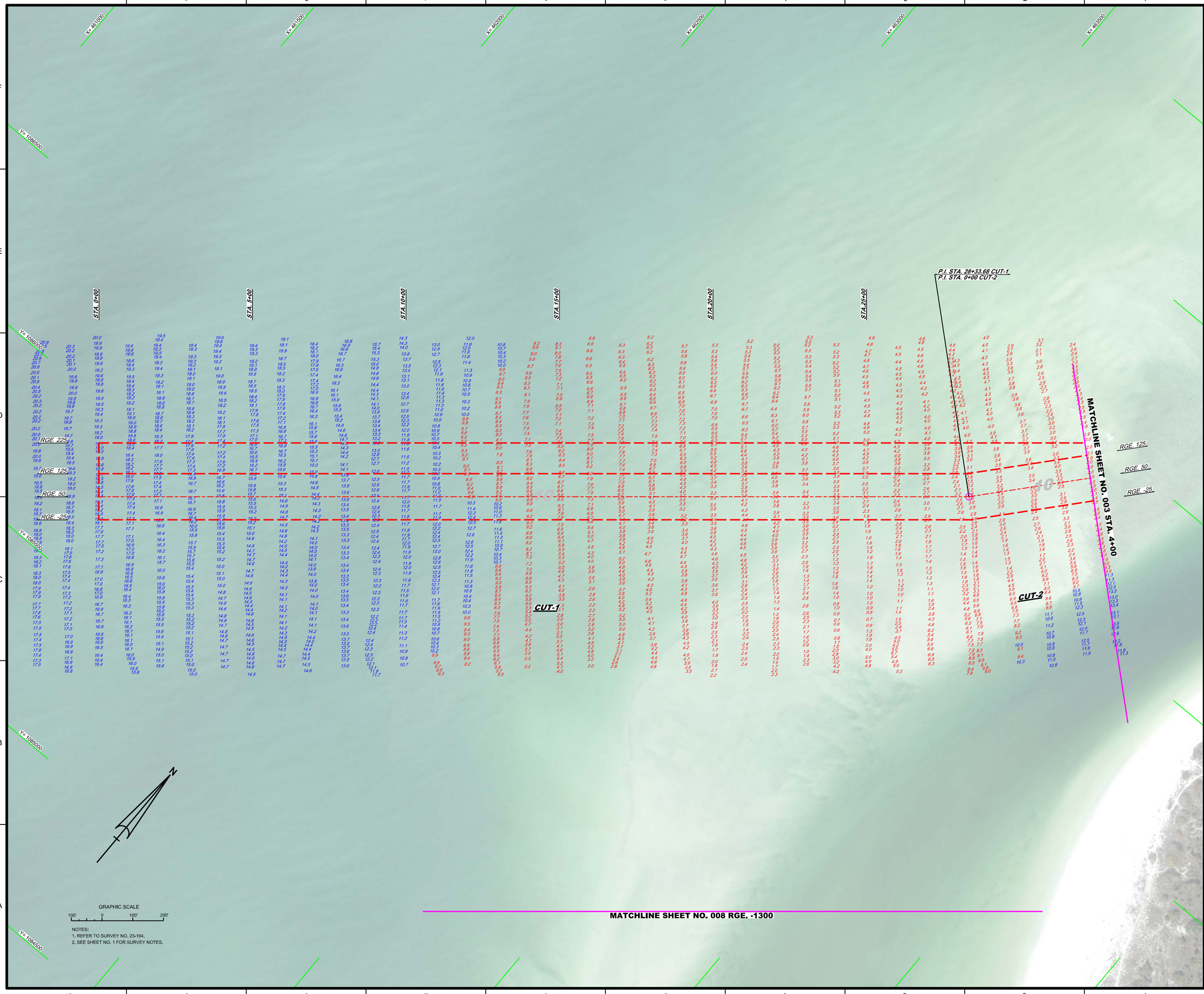
XXXXXXXXX-XXXXXXXX.DGN
XXXXXXXXX-XXXXXXXX.DGN
XXXXXXXXX-XXXXXXXX.DGN
XXXXXXXXX-XXXXXXXX.DGN
XXXXXXXXX-XXXXXXXX.DGN
23-164-AREEA.DGN
NPASS-C-NGMCCF.DGN
23-164-GRS-BRDR.DGN
Reference files
23-164-VR-001.DGN
File name

NEW PASS
SARASOTA COUNTY, FLORIDA
HYDROGRAPHIC EXAM SURVEY FY23
8 & 10-FOOT PROJECT
INDEX, LOCATION AND VICINITY
MAP

Scale: AS SHOWN

Drawing no.
1 / 7

SHEET 01 OF 08



NOTES:
1. REFER TO SURVEY NO. 23-164.
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

Cad by: GMR
Designed by: VRM
DWN by: VRM
Rev. No. W912EP-XX-X-XXX
Date: MAY 2023

XXXXXXXX-X-XXXXXXX.DGN
XXXXXXXX-X-XXXXXXX.DGN
XXXXXXXX-X-XXXXXXX.DGN
23-164-CAD-SURVEY.DGN
23-164-VA-SOUN_C2.DGN
NPASS-C-HGMCF.DGN
23-164-C-BS-BRDR.DGN
Reference files:
23-164-VH-DOQ.DGN
Zoe.xsmc

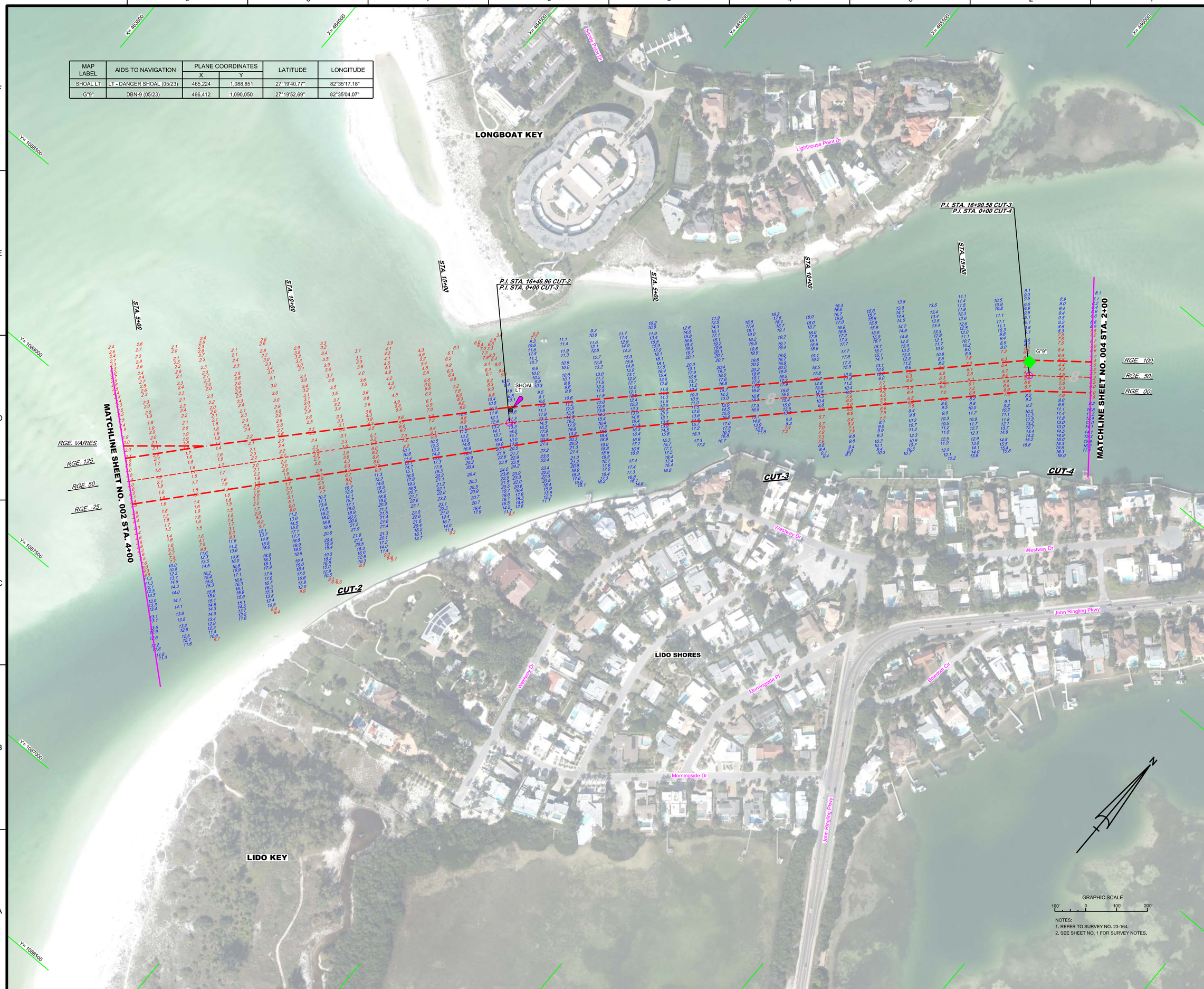
NEW PASS
SARASOTA COUNTY, FLORIDA
HYDROGRAPHIC EXAM SURVEY FY23
8 & 10-FOOT PROJECT
STA. 0+00 CUT-1 THRU STA. 4+00 CUT-2
PLAN

Scale: AS SHOWN

Drawing no.
2 / 7

SHEET 02 OF 08

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
SHOAL LT	LT - DANGER SHOAL (05/23)	465,224	1,088,851	27°19'40.77"	82°35'17.18"
G"9"	DBN-9 (05/23)	466,412	1,090,050	27°19'52.69"	82°35'04.07"



NOTES:
1. REFER TO SURVEY NO. 23-164.
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

Cad by: GMR
Designed by: VRM
DWN by: VRM
Rev. No. W912EP-XX-X-XXX
Date: MAY 2023

23-164A-NAV.DGN
23-164A-SOUN_C4.DGN
23-164A-SOUN_C3.DGN
23-164A-SOUN_C2.DGN
NPASS-C-HGMCF.DGN
23-164-C-BSBRDR.DGN
Reference files:
23-164-VH-003.DGN
File name:

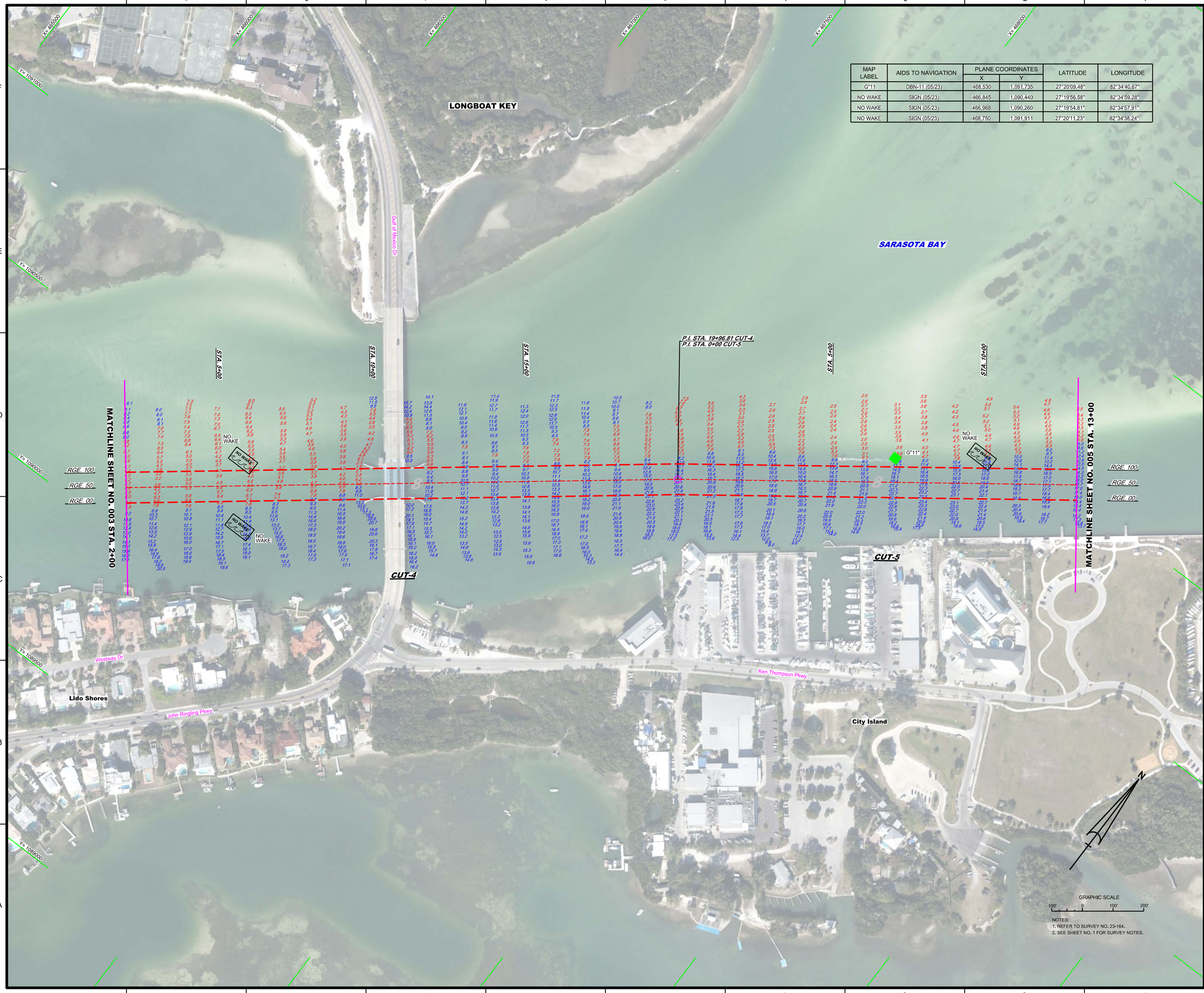
NEW PASS
SARASOTA COUNTY, FLORIDA
HYDROGRAPHIC EXAM SURVEY FY23
8 & 10-FOOT PROJECT
STA. 4+00 CUT-2 THRU STA. 2+00 CUT-4
PLAN

Scale: AS SHOWN

Drawing no.
3 / 7

SHEET 03 OF 08

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"11	DBN-11 (05/23)	468,530	1,091,735	27°20'09.48"	82°34'40.67"
NO WAKE	SIGN (05/23)	466,845	1,090,440	27°19'56.58"	82°34'59.28"
NO WAKE	SIGN (05/23)	466,968	1,090,260	27°19'54.81"	82°34'57.91"
NO WAKE	SIGN (05/23)	468,750	1,091,911	27°20'11.23"	82°34'38.24"



NOTES:
1. REFER TO SURVEY NO. 23-164.
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

Chk'dby: GMR
Designed by: VRM
DWN by: VRM
Trv. No. WBS/EFP-XX-XX-XXXX
Date: MAY 2023

23-164-NAV.DGN
23-164-HYDRO.DGN
23-164-SOUN_CALDGN
NPASS-CNGMCCF.DGN
23-164-BSHRDR.DGN
Reference files
23-164-VH-004.DGN
File name:

NEW PASS
SARASOTA COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY23
8 & 10-FOOT PROJECT

STA. 2+00 CUT-4 THRU STA. 13+00 CUT-5

PLAN

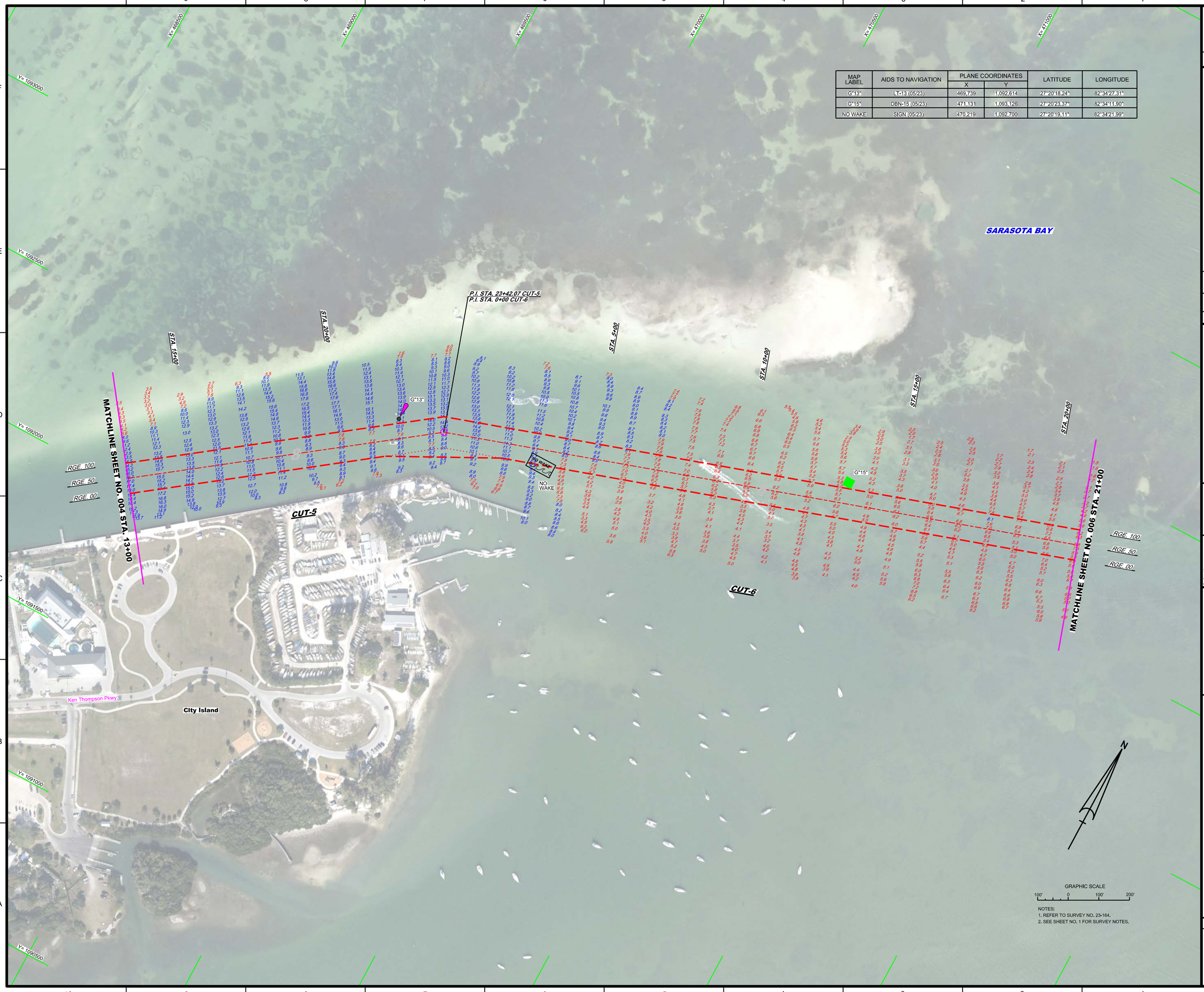
Scale: AS SHOWN

Drawing no.

4 / 7

SHEET 04 OF 08

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"13"	LT-13 (05/23)	469,739	1,092,614	27°20'18.24"	82°34'27.31"
G"15"	DBN-15 (05/23)	471,131	1,093,126	27°20'23.37"	82°34'11.90"
NO WAKE	SIGN (05/23)	470,219	1,092,700	27°20'19.11"	82°34'21.99"



NOTES:
1. REFER TO SURVEY NO. 23-164.
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

Cad by: GR
Designed by: WRM
DWN by: WRM
Rev. No. W912EP-XX-X-XXXX
Date: MAY 2023

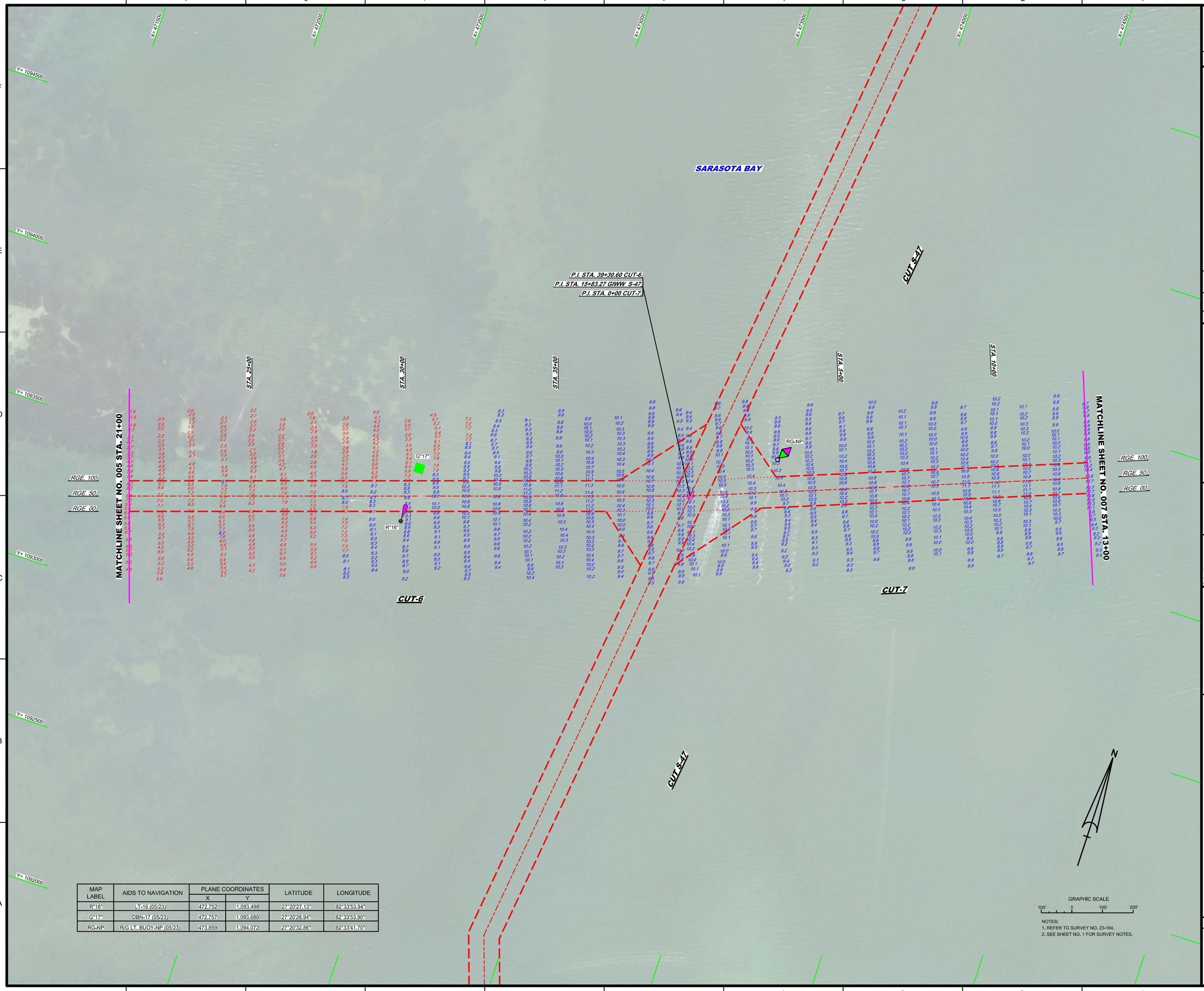
Reference files:
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
23-164-A-NAV.DGN
23-164-A-SOUN_A.DGN
23-164-A-SOUN_C.DGN
NPASS-C-NGMCCF.DGN
23-164-C-BE-BRDR.DGN
File name: 23-164-VH-005.DGN

NEW PASS
SARASOTA COUNTY, FLORIDA
HYDROGRAPHIC EXAM SURVEY FY23
8 & 10-FOOT PROJECT
STA. 13+00 CUT-5 THRU STA. 21+00 CUT-6
PLAN

Scale: AS SHOWN

Drawing no.
5 / 7

SHEET 05 OF 08



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"16"	LT-16 (05/23)	472,752	1,093,498	27°20'27.13"	82°33'53.94"
G"17"	DBN-17 (05/23)	472,757	1,093,680	27°20'28.94"	82°33'53.90"
RG-NP	R/G LT. BUOY-NP (05/23)	473,859	1,094,072	27°20'32.86"	82°33'41.70"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 23-164.
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
Ckd by: GMR
Proj. No.: V6123EP-XX-XX-XXXX
Date: MAY 2023

23-164-VAV.DGN
23-164-SOUL.DGN
23-164-SOUL-FT.DGN
GIWW-CAD-NCF.DGN
NPASS-C-NGMCCF.DGN
23-164-C-BR-BRGR.DGN
Reference files
23-164-VR-006.DGN
File name:

NEW PASS
SARASOTA COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY23
8 & 10-FOOT PROJECT

STA. 21+00 CUT-6 THRU STA. 13+00 CUT-7

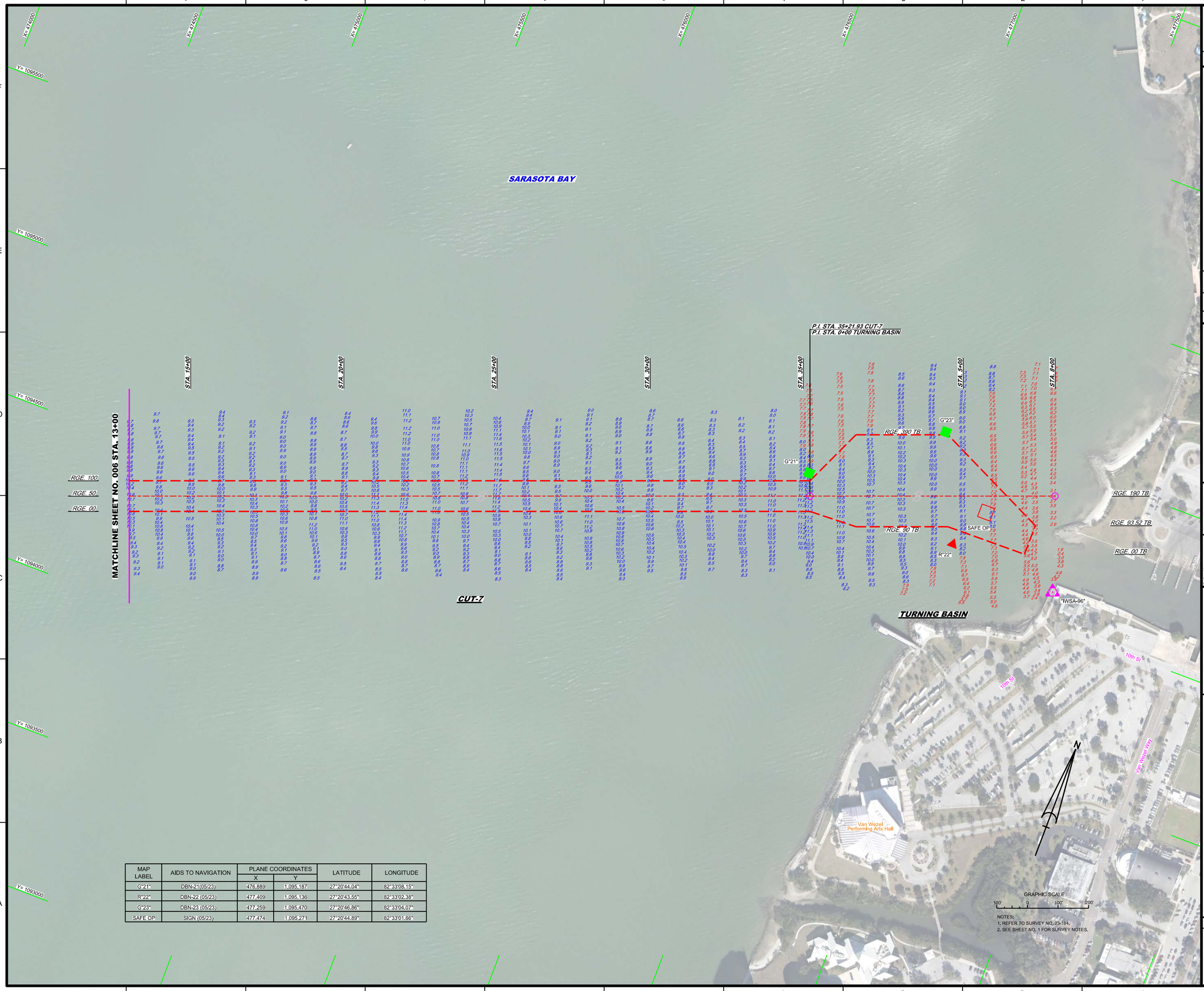
PLAN

Scale: AS SHOWN

Drawing no.

6 / 7

SHEET 06 OF 08



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"21"	DBN-21(05/23)	476,889	1,095,187	27°20'44.04"	82°33'08.15"
R"22"	DBN-22 (05/23)	477,409	1,095,136	27°20'43.55"	82°33'02.38"
G"23"	DBN-23 (05/23)	477,259	1,095,470	27°20'46.86"	82°33'04.07"
SAFE OP	SIGN (05/23)	477,474	1,095,271	27°20'44.89"	82°33'01.66"

NOTES:
1. REFER TO SURVEY NO. 23-164.
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
Drawn by: VIRM
Checked by: CMR
Rev. No. V9123EP-XX-X-XXXX
Date: MAY 2023

XXXXXXXXX-X-XXXXXX.DGN
XXXXXXXXX-X-XXXXXX.DGN
23-164-V-SURVEY.DGN
23-164-V-SOUN_CT.DGN
NPASSC-NGMCCF.DGN
23-164-C-ESSENDR.DGN
Reference files:
23-164-V-H-007.DGN
File name:

NEW PASS
SARASOTA COUNTY, FLORIDA
HYDROGRAPHIC EXAM SURVEY FY23
8 & 10-FOOT PROJECT
STA. 13+00 CUT-7 THRU STA. 8+00 TURNING BASIN
PLAN

Scale: AS SHOWN

Drawing no.
7 / 7

SHEET 07 OF 08