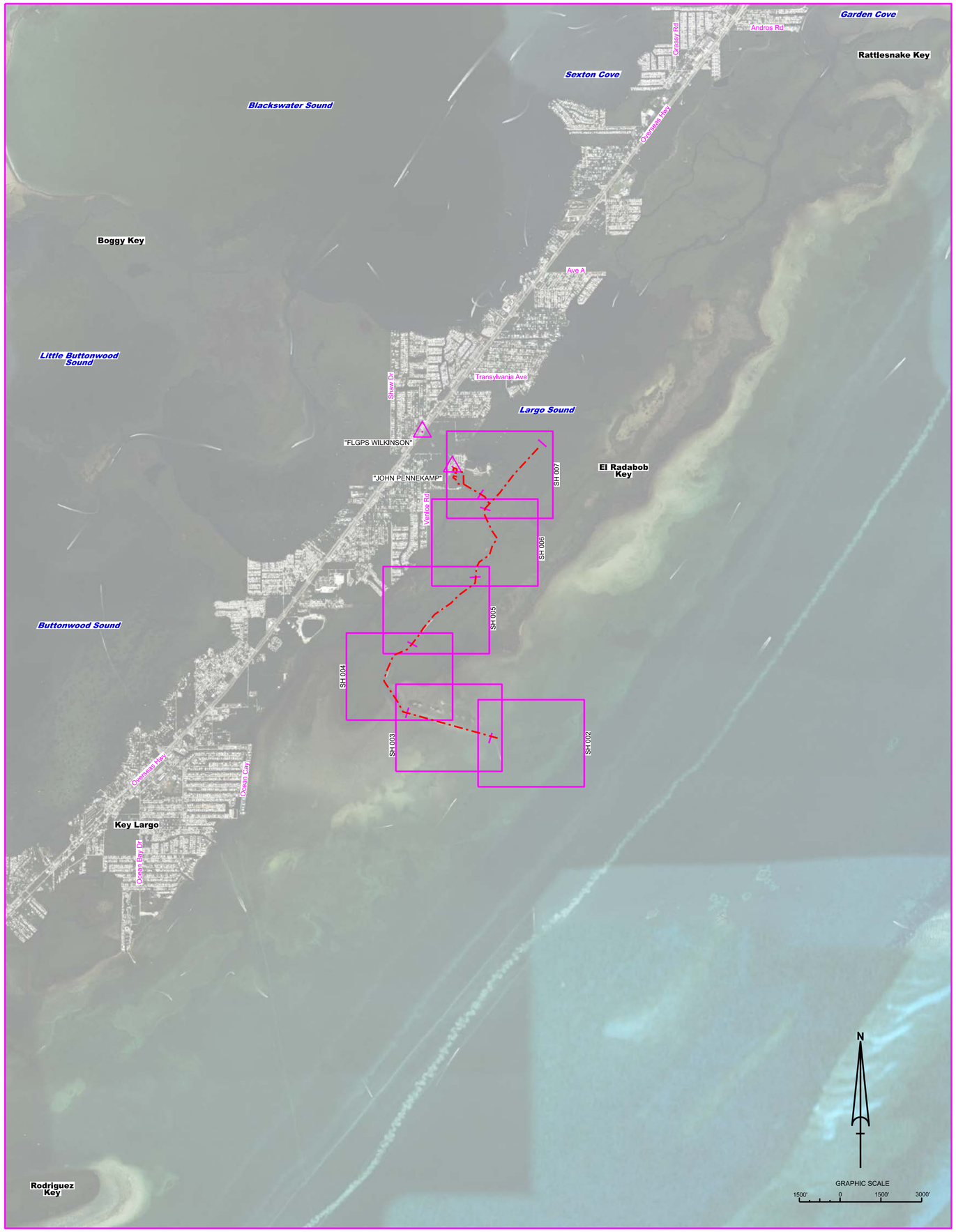

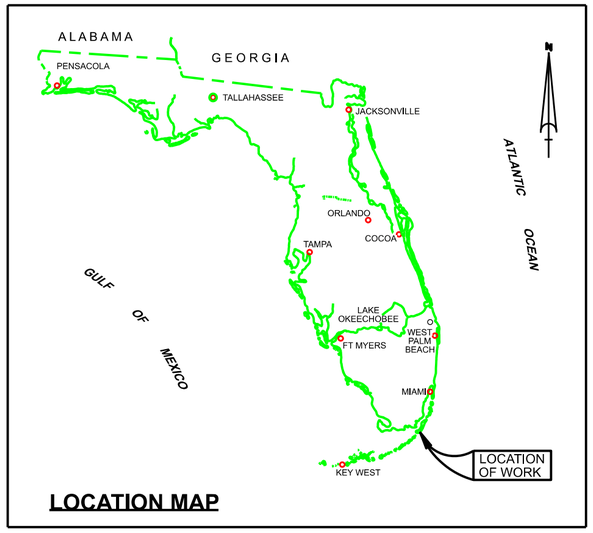

LOCATION MAP

LARGO SOUND CHANNEL
MONROE CONTY, FLORIDA
PROJECT CONDITION SURVEY FY24
6-FOOT PROJECT

SURVEY NOTES

1. REFER TO SURVEY NO. 24-006.
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:

   "BROWARD-MIAMIDADE-MONROE-COLLIER_2023 05 15.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 EAST ZONE OF FLORIDA AND REFERENCED TO THE CURRENT REALIZATION OF THE NORTH AMERICAN DATUM OF 1983 (NAD83), BASED ON THE NOAA NATIONAL SPATIAL REFERENCE SYSTEM (NSRS).
6. THIS SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC (RTK) GPS POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATION:

   REFERENCE BASE LOCATED AT "JOHN PENNEKAMP" (OPUS PID: BBFH10)
7. 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 AND CALIBRATED TO THE PUBLISHED MLLW HEIGHTS OF THE BENCH MARK BELOW:

   NGS BENCHMARK "JOHN PENNEKAMP" FOR ENTIRE PROJECT (PID: BBFH10)

   VERTICAL MEASUREMENTS WERE MADE USING A NORBIT WINGHEAD MODEL I77h MULTI-BEAM. ALL SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.

VESSEL	DATE OF SURVEY	CUT
TB-01	12 OCT 2023	LARGO SOUND CHANNEL

8. AIDS TO NAVIGATION WERE LOCATED DURING THIS SURVEY.
9. 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.
10. 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	
△	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

Coord by: GMR
Digitized by: WRM
DWN by: WRM
Inv. No.
Dated: OCT 2023

XXXXXXXX-XX-XXXX.DGN
XXXXXXXX-XX-XXXX.DGN
XXXXXXXX-XX-XXXX.DGN
XXXXXXXX-XX-XXXX.DGN
24-006-A-BBFH10_NEW.DGN
24-006-HANDEX_C.DGN
LARGOSOUND_PCS.DGN
24-006-C-BS-BROR.DGN
Reference files:
24-006-VH-001.DGN
File name:

LARGO SOUND CHANNEL
MONROE COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY24
6-FOOT PROJECT

INDEX, LOCATION AND VICINITY

MAP

Scale: AS SHOWN

Drawing no.

1

SHEET 01 OF 07

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MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"2"	LT-2 (10/23)	855,578	277,693	25°05'46.60"	80°23'50.70"
G"3"	DBN-3 (10/23)	853,827	278,041	25°05'50.13"	80°24'09.74"
R"4"	DBN-4 (10/23)	853,851	278,111	25°05'50.82"	80°24'09.47"

NOTES:
1. REFER TO SURVEY NO. 24-006.
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: CMR
Designed by: VIRM
DWN by: VIRM
Rev. No.
Dated: OCT 2023

I:\XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
24-006-V-AERIAL_BING.DGN
24-006-V-SOUND.DGN
24-006-V-SQUAL.DGN
LARGOSOUND_PCS.DGN
24-006-C-BS-BRDR.DGN
Reference files:
24-006-V-H-002.DGN
File name:

LARGO SOUND CHANNEL
MONROE COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY24
6-FOOT PROJECT

VICINITY OF KEY LARGO

PLAN

Scale: AS SHOWN

Drawing no.

2

SHEET 02 OF 07

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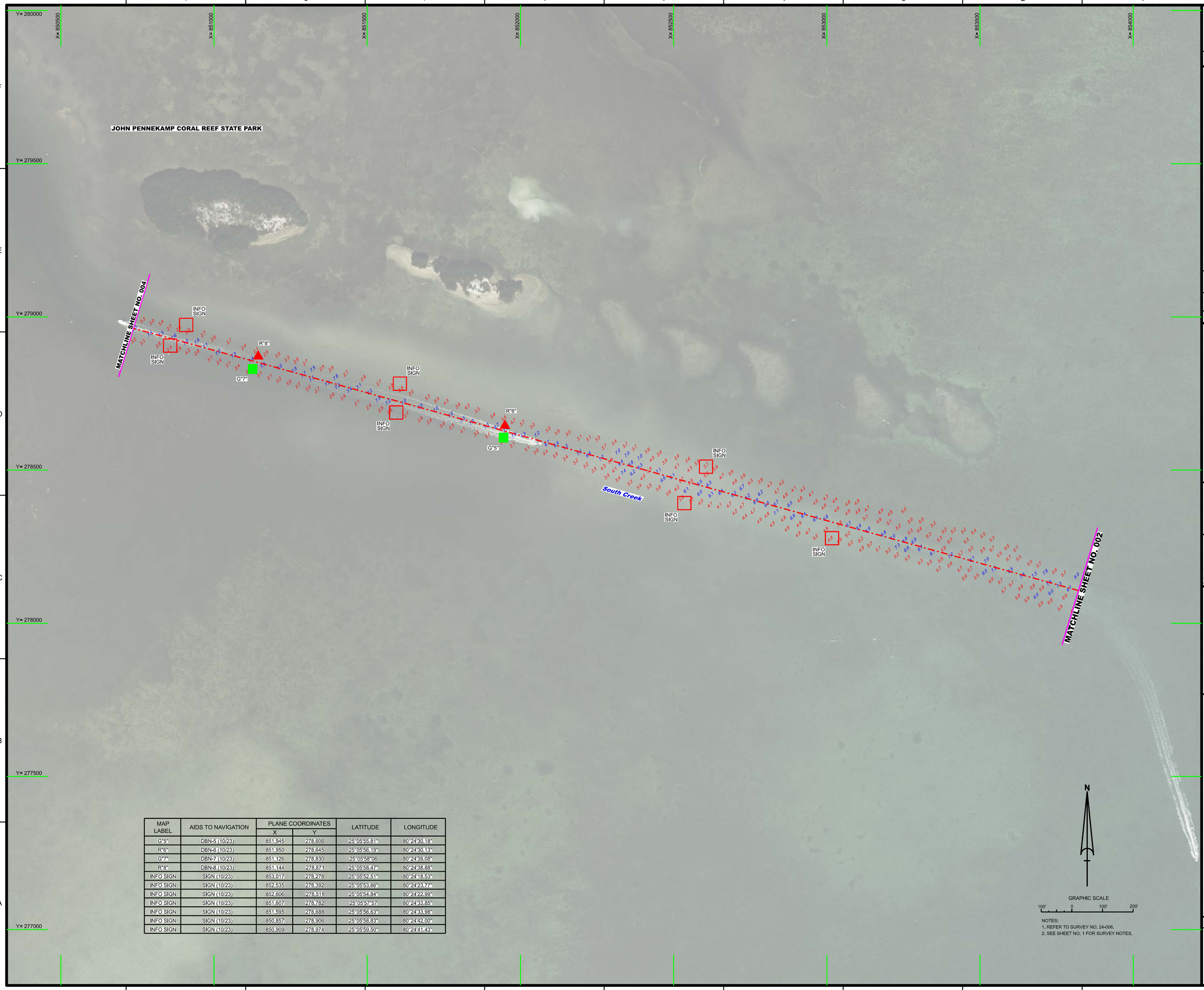

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"5"	DBN-5 (10/23)	851,945	278,606	25°05'55.81"	80°24'30.18"
R"6"	DBN-6 (10/23)	851,950	278,645	25°05'56.19"	80°24'30.13"
G"7"	DBN-7 (10/23)	851,126	278,830	25°05'58"06	80°24'39.08"
R"8"	DBN-8 (10/23)	851,144	278,871	25°05'58.47"	80°24'38.88"
INFO SIGN	SIGN (10/23)	853,017	278,278	25°05'52.51"	80°24'18.53"
INFO SIGN	SIGN (10/23)	852,535	278,392	25°05'53.66"	80°24'23.77"
INFO SIGN	SIGN (10/23)	852,606	278,511	25°05'54.84"	80°24'22.99"
INFO SIGN	SIGN (10/23)	851,607	278,782	25°05'57"57	80°24'33.85"
INFO SIGN	SIGN (10/23)	851,595	278,688	25°05'56.63"	80°24'33.98"
INFO SIGN	SIGN (10/23)	850,857	278,906	25°05'58.83"	80°24'42.00"
INFO SIGN	SIGN (10/23)	850,909	278,974	25°05'59.50"	80°24'41.43"

NOTES:
1. REFER TO SURVEY NO. 24-006.
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: WRM
DWN by: WRM
Rev. No.
Date: OCT 2023

XXXXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXXXX.DGN
24-006-A-AERIAL_LBRKLD.DGN
24-006-A-NAVSTR.DGN
24-006-A-SOLJUL.DGN
LARGOSOUN_PCS.DGN
24-006-C-B-BRDR.DGN
Reference files:
24-006-VHD03.DGN
File name:

LARGO SOUND CHANNEL
MONROE COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY24
6-FOOT PROJECT

AREA SE OF 8TH LN WITHIN THE JOHN PENNEKAMP CORAL REEF STATE PARK

PLAN

Scale: AS SHOWN

Drawing no.
3

SHEET 03 OF 07

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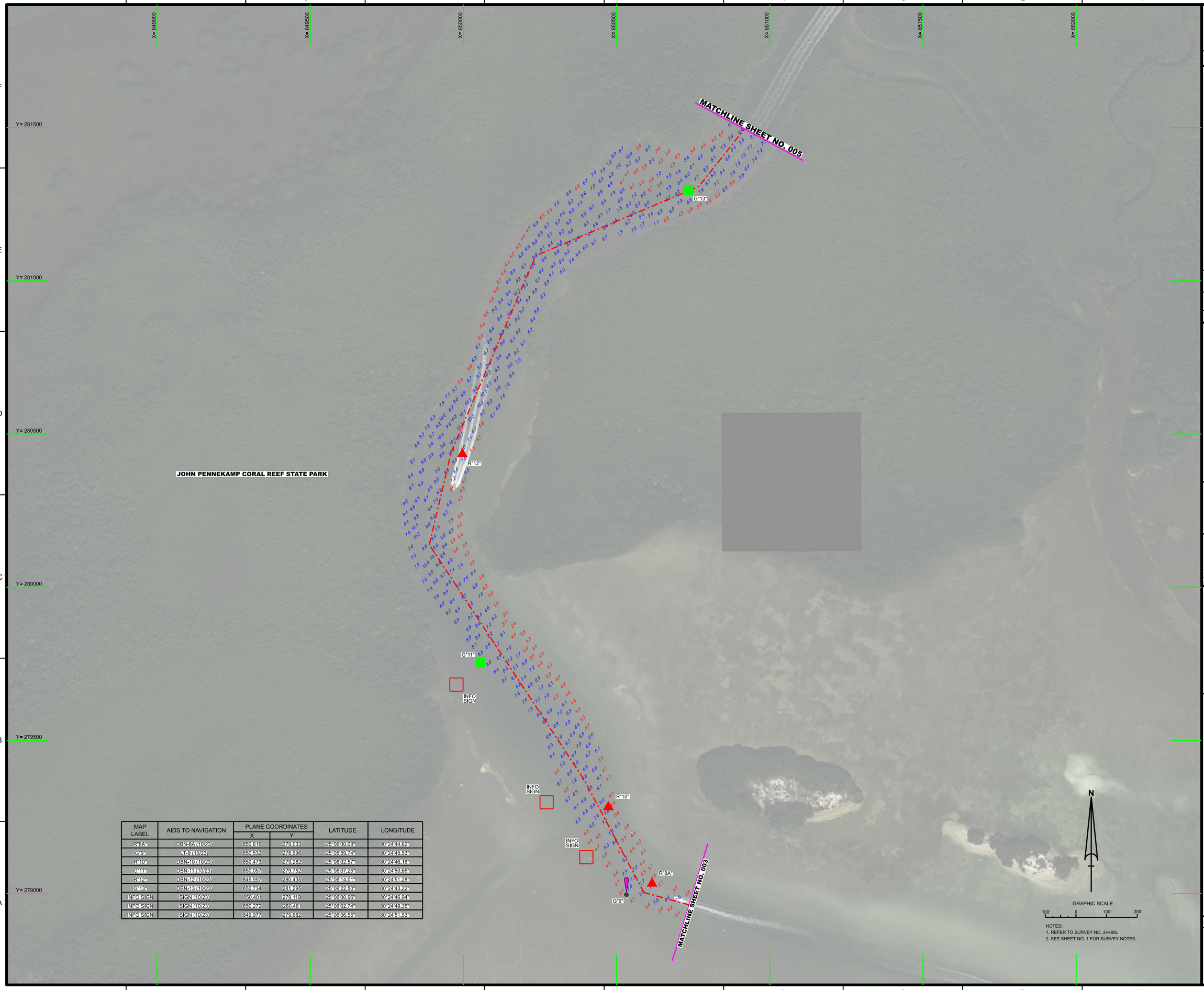

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"8A"	DBN-3A (10/23)	850,616	279,033	25°06'00.09"	80°24'44.62"
G"9"	LT-9 (10/23)	850,532	278,996	25°05'59.74"	80°24'45.53"
R"10"	DBN-10 (10/23)	850,473	279,282	25°06'02.57"	80°24'46.16"
G"11"	DBN-11 (10/23)	850,057	279,752	25°06'07.25"	80°24'50.66"
R"12"	DBN-12 (10/23)	849,997	280,435	25°06'14.01"	80°24'51.28"
G"13"	DBN-13 (10/23)	850,734	281,295	25°06'22.50"	80°24'43.22"
INFO SIGN	SIGN (10/23)	850,401	279,119	25°06'00.96"	80°24'46.94"
INFO SIGN	SIGN (10/23)	850,272	280,461	25°06'02.74"	80°24'48.35"
INFO SIGN	SIGN (10/23)	849,977	279,682	25°06'06.55"	80°24'51.53"

NOTES:
1. REFER TO SURVEY NO. 24-006.
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: CMR
Checked by: VIRM
DWN by: VIRM
Rev. No.
Dated: OCT 2023

X:\XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
24-006-V-AERIAL_BING.DGN
24-006-V-SHEET.DGN
24-006-V-SOUND.DGN
LARGOSOUND_PCS.DGN
24-006-C-SS-BNDR.DGN
Reference files:
File: samc

LARGO SOUND CHANNEL
MONROE COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY24
6-FOOT PROJECT

SOUTH CREEK WITHIN THE JOHN PENNEKAMP CORAL REEF STATE PARK

PLAN

Scale: AS SHOWN

Drawing no.

4

SHEET 04 OF 07

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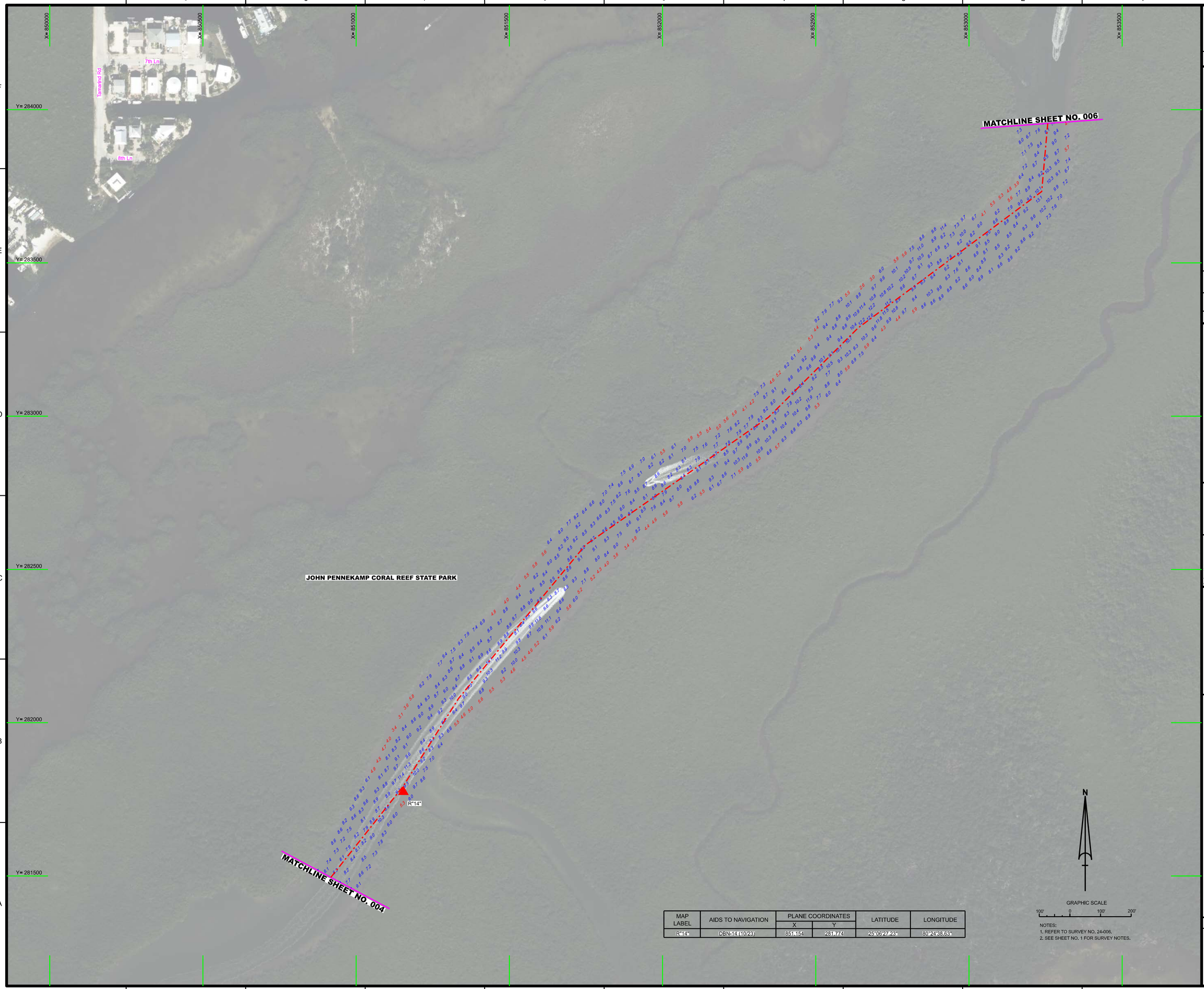

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"14"	DBN-14 (10/23)	851,154	281,774	25°06'27.23"	80°24'38.63"

NOTES:
1. REFER TO SURVEY NO. 24-006.
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
Checked by: WRM
DWN by: WRM
Rev. No.
Date: OCT 2023

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
24-006-A-AERIAL_BRKGLDGN
24-006-A-MAP_TEXT.DGN
24-006-A-SOUNDGN
LARGOSOUND_PCS.DGN
24-006-C-BR-BRDR.DGN
Reference files:
File: name:
24-006-VH-005.DGN

LARGO SOUND CHANNEL
MONROE COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY24
6-FOOT PROJECT

AREA SE OF 8TH LN WITHIN THE JOHN PENNEKAMP CORAL REEF STATE PARK

PLAN

Scale: AS SHOWN

Drawing no.

5

SHEET 05 OF 07

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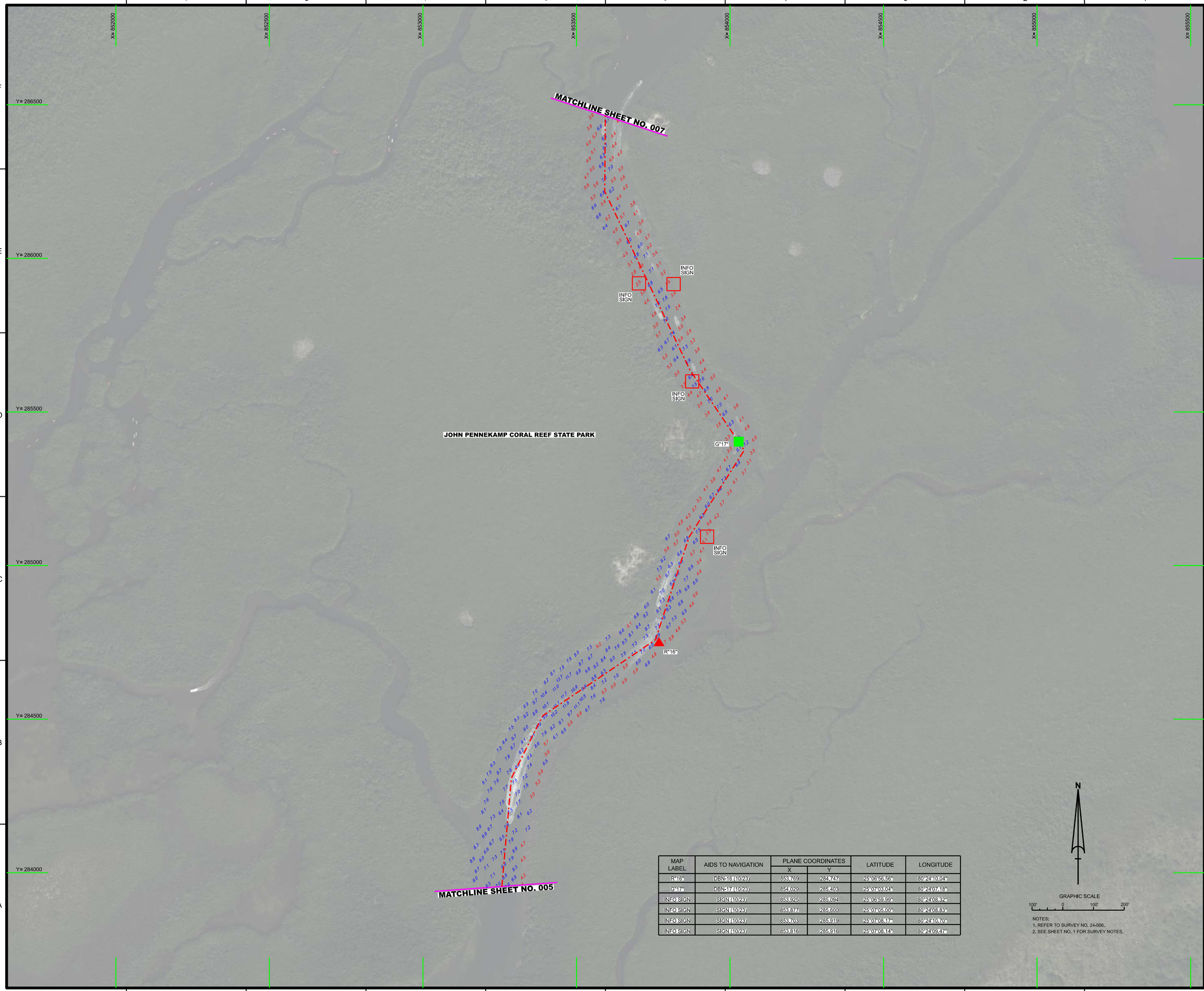

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"16"	DBN-16 (10/23)	853,769	284,747	25°06'56.56"	80°24'10.04"
G"17"	DBN-17 (10/23)	854,029	285,403	25°07'03.04"	80°24'07.18"
INFO SIGN	SIGN (10/23)	853,925	285,094	25°06'59.99"	80°24'08.32"
INFO SIGN	SIGN (10/23)	853,877	285,600	25°07'05.00"	80°24'08.83"
INFO SIGN	SIGN (10/23)	853,703	285,919	25°07'08.17"	80°24'10.70"
INFO SIGN	SIGN (10/23)	853,816	285,916	25°07'08.14"	80°24'09.47"

NOTES:
1. REFER TO SURVEY NO. 24-006.
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: GMB
Checked by: WRM
DWN by: WRM
Pro. No.
Dates: OCT 2023

XXXXXXXX-XXXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
24-006-A-AERIAL_LBRKLD.DGN
24-006-A-SEDIMENT.DGN
24-006-A-SOUNDS.DGN
LARGOSOUND_PCS.DGN
24-006-C-BR-BRDR.DGN
Reference files:
24-006-VHA06.DGN
File name:

LARGO SOUND CHANNEL
MONROE COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY24
6-FOOT PROJECT

AREA EAST OF VALENCIA RD WITHIN JOHN PENNEKAMP CORAL REEF STATE PARK

PLAN

Scale: AS SHOWN

Drawing no.

6

SHEET 06 OF 07

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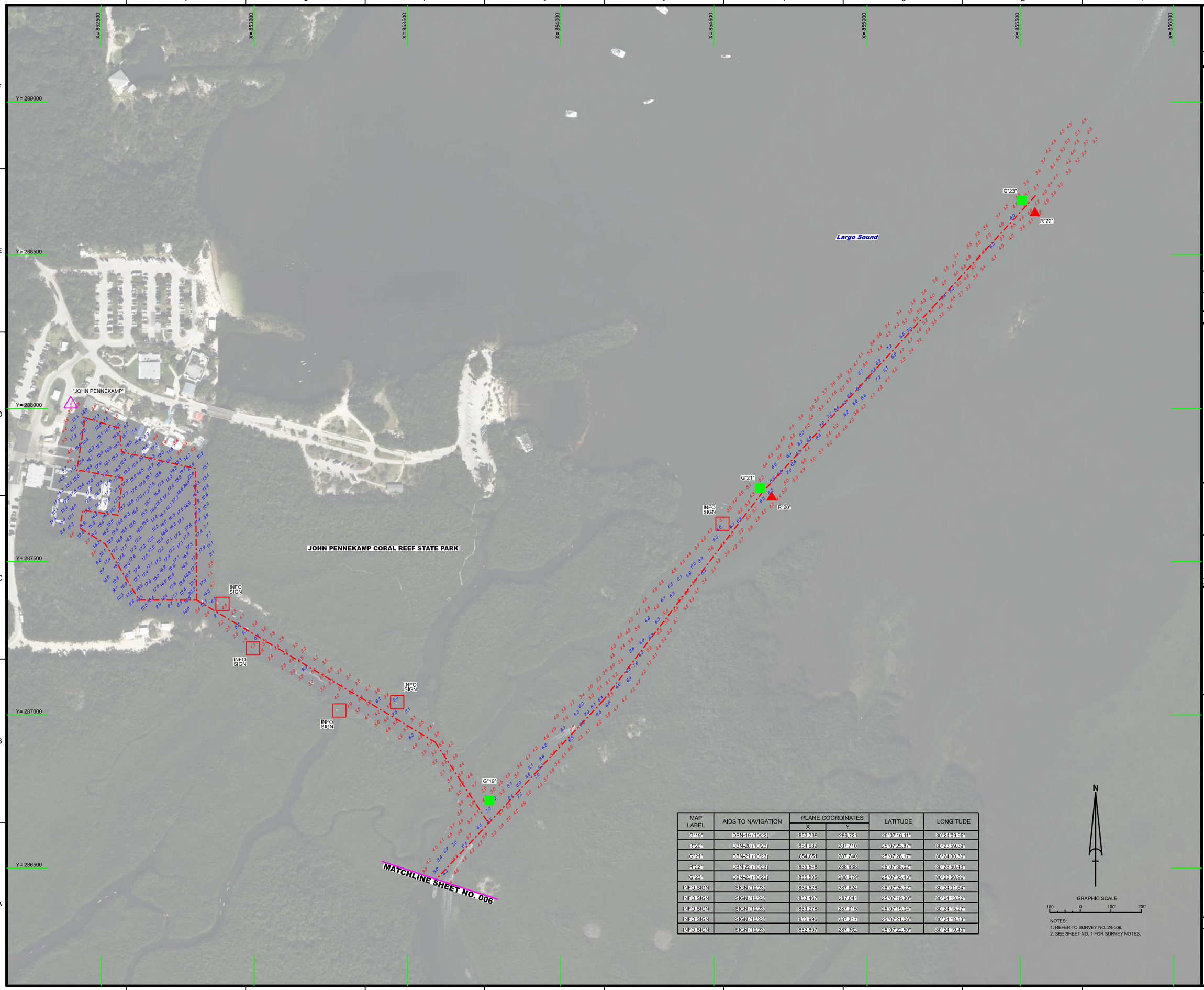

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"19"	DBN-19 (10/23)	853,769	286,721	25°07'16.11"	80°24'09.95"
R"20"	DBN-20 (10/23)	854,689	287,710	25°07'25.87"	80°23'59.89"
G"21"	DBN-21 (10/23)	854,651	287,740	25°07'26.17"	80°24'00.30"
R"22"	DBN-22 (10/23)	855,548	288,638	25°07'35.02"	80°23'50.49"
G"23"	DBN-23 (10/23)	855,505	288,679	25°07'35.43"	80°23'50.96"
INFO SIGN	SIGN (10/23)	854,528	287,624	25°07'25.02"	80°24'01.64"
INFO SIGN	SIGN (10/23)	853,467	287,041	25°07'19.30"	80°24'13.22"
INFO SIGN	SIGN (10/23)	853,278	287,015	25°07'19.04"	80°24'15.27"
INFO SIGN	SIGN (10/23)	852,996	287,217	25°07'21.06"	80°24'18.33"
INFO SIGN	SIGN (10/23)	852,897	287,362	25°07'22.50"	80°24'19.40"

N

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 24-006.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

Rev. Symbol Zone

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

Drafted by: WRM
DWN by: WRM
Chk by: GMR
Rev. No.
Date: OCT 2023

XXXXXXXX-XXXXXX.DGN
XXXXXXXX-XXXXXX.DGN
XXXXXXXX-XXXXXX.DGN
XXXXXXXX-XXXXXX.DGN
24-006A-AERIAL_BRKGL.DGN
24-006A-AERIAL.DGN
24-006A-SOUND.DGN
LARGOSOUND_PCS.DGN
24-006-C-BR-BRDR.DGN
Reference files:
24-006-VHD07.DGN
File name:

LARGO SOUND CHANNEL
MONROE COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY24
6-FOOT PROJECT

AREA EAST OF VALENCIA RD WITHIN JOHN PENNEKAMP CORAL REEF STATE PARK

PLAN

Scale: AS SHOWN

Drawing no.

7

SHEET 07 OF 07

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