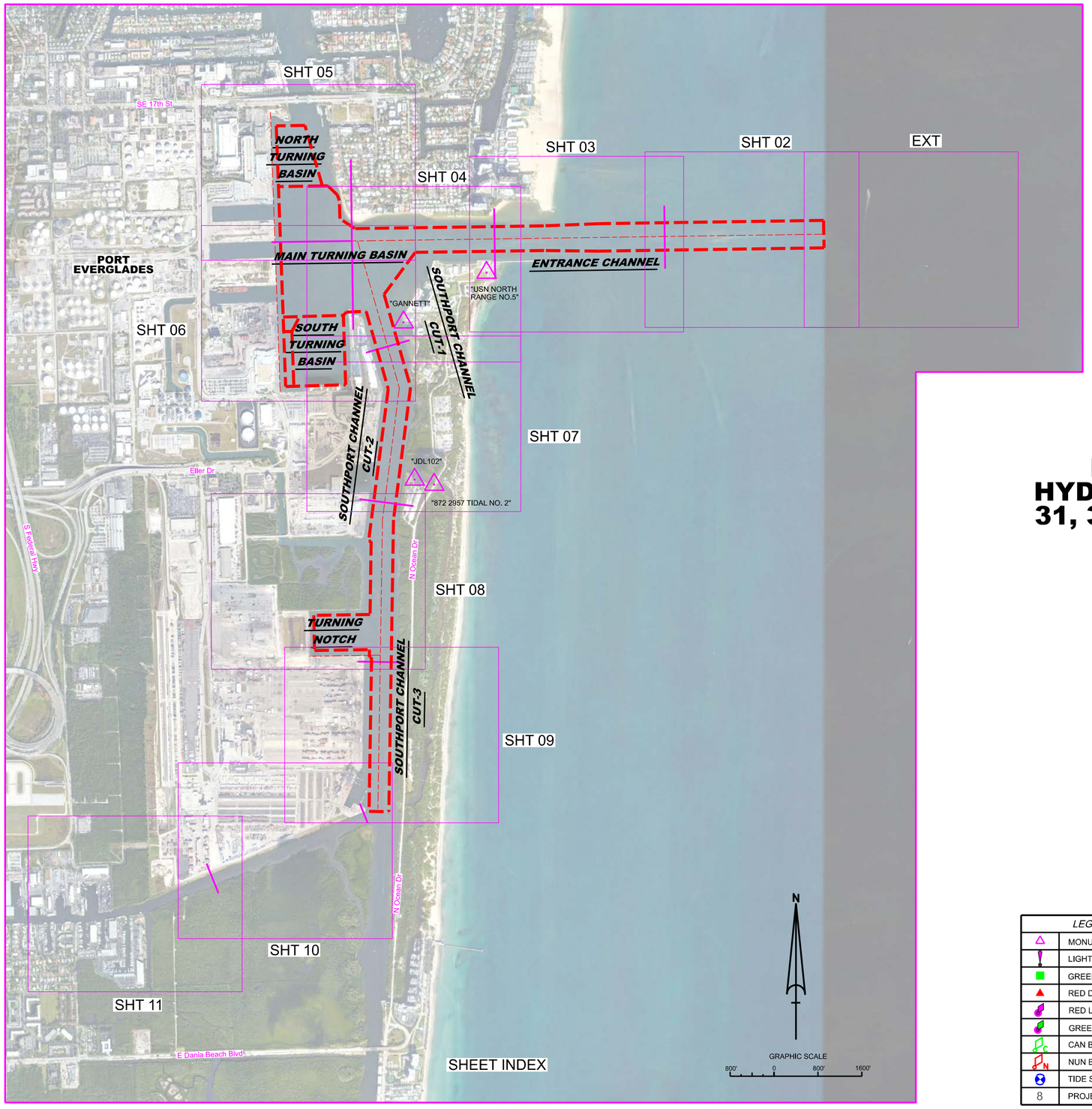
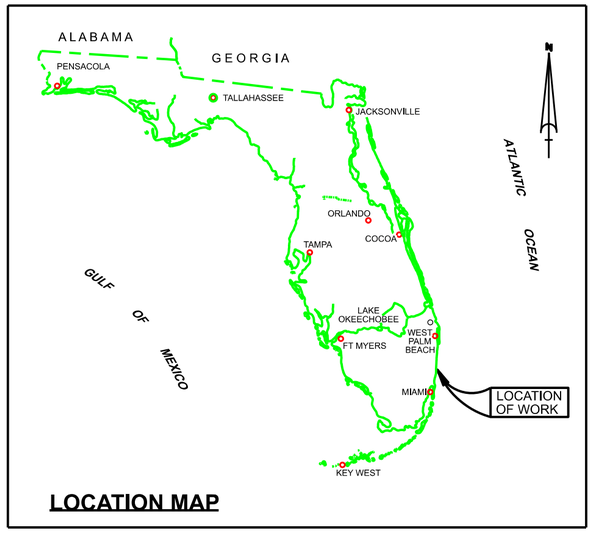




PORT EVERGLADES HARBOR
BROWARD COUNTY, FLORIDA
HYDROGRAPHIC EXAM SURVEY FY24
31, 36, 37, 42 AND 45-FOOT PROJECT

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

SURVEY NOTES

1. REFER TO SURVEY NO. 24-163.
2. ELEVATIONS ARE IN FEET AND TENTHS AND REFER TO THE NOAA REPORTED MEAN LOWER LOW WATER (MLLW) TIDAL DATUM, 1983-2001 EPOCH.
3. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEEDED BY A (+) SIGN.
4. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE EAST ZONE OF FLORIDA AND REFERENCED TO NORTH AMERICAN DATUM OF 1983 (NAD83), BASED ON THE NOAA NATIONAL SPATIAL REFERENCE SYSTEM (NSRS).
5. ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
6. THIS SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC (RTK) GPS POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATION:

   REFERENCE BASE LOCATED AT "JDL102" (PID: BBGN89)

   TIDE STAFF SET FROM MONUMENT "872 2957 TIDAL 2" (PID: AD5884)
7. DEPTHS DEPICTED BY THIS SURVEY ARE REFERENCED TO MEAN LOWER LOW WATER (MLLW), TIDAL EPOCH 1983-2001, AS PUBLISHED BY THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA). NOAA'S VDATUM MODEL, AND PUBLISHED TIDE STATION DATA, WERE USED TO GENERATE A HYPACK KINEMATIC TIDE DATUM (KTD) MODEL. THIS KTD MODEL, BEING A COMBINATION OF THOSE TWO SOURCES, CANNOT BE CONSIDERED EQUIVALENT TO THE VDATUM MODEL BECAUSE OF POSSIBLE ADDITIONS OR EDITS THERETO. DO NOT USE VDATUM IN PLACE OF THE KTD FILE. THE KTD MODEL USED FOR THIS SURVEY IS:

   "BROWARD-MIAMIDADE-MONROE-COLLIER_2023 06 15.KTD"

   TIDAL REDUCTIONS WERE OBTAINED UTILIZING REAL-TIME KINEMATIC (RTK) GPS AND REFERENCED TO MLLW UTILIZING THE KTD FILE REFERENCED ABOVE, AND CALIBRATED TO THE PUBLISHED MLLW HEIGHTS OF THE BENCHMARK ASSOCIATED WITH THE TIDE GAGE SITE PSECIFIED BELOW:

   NOAA TIDAL STATION 872-2957 FOR THE ENTIRE PROJECT (PID: AD5884)
8. VERTICAL MEASUREMENTS WERE MADE USING A R2 SONIC MULTI-BEAM AND AN ECHOTRAC E20. SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.

VESSEL	DATE OF SURVEY	CUT
SV EL MORRO	08 JUL 2024	TURNING BASIN, ENTRANCE CHANNEL
SV EL MORRO	09 JUL 2024	ENTRANCE CHANNEL, T.B, SP1
SV EL MORRO	10 JUL 2024	SP1, SP2, SP3, TURNING NOTCH

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.
12. 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.

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
Chk'd by: GMR
Rev. No. W912EP-XXX-X-XXXX
Date: JUL 2024

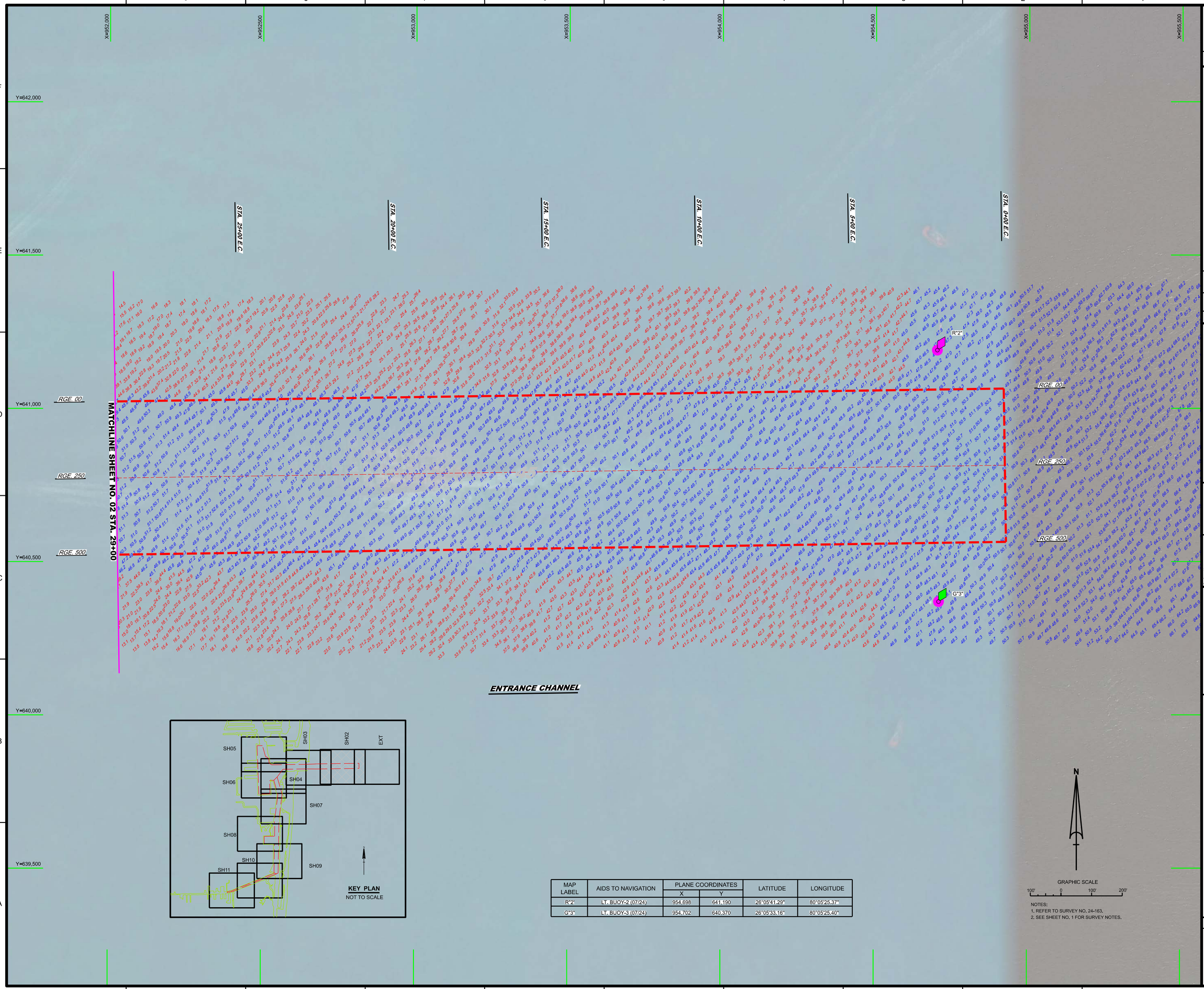
24-163-HINDX.DGN
PORT EVERGLADES HARBOR-C-NGMCCF.DGN
24-163-C45-BRDR.DGN
Reference files:
24-163-VH001.DGN
File name:

PORT EVERGLADES HARBOR, FLORIDA
HYDROGRAPHIC EXAM SURVEY FY24
31-FOOT THRU 45-FOOT PROJECT
INDEX, LOCATION AND VICINITY
MAP

Scale: AS SHOWN

Drawing no.
1 / 9

SHEET 01 OF 11



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"2"	LT. BUOY-2 (07/24)	954,698	641,190	26°05'41.29"	80°05'25.37"
G"3"	LT. BUOY-3 (07/24)	954,702	640,370	26°05'33.16"	80°05'25.40"

NOTES:
1. REFER TO SURVEY NO. 24-163.
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

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

Cad by: GMS
Checked by: WRM
DWN by: WRM
Fm. No. V93T2E-P-XXX-XXXX
Date: JUL 2024

24-163-A-NAV.DGN
24-163-A-SURVEY.DGN
24-163-A-SOUN_ALL CUTS.DGN
PORT EVERGLADES HARBOR-C-NGMCCF.DGN
24-163-C-B-BRGR.DGN
Reference files:
24-163-VH-002.DGN
File name:

PORT EVERGLADES HARBOR, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY24
31-FOOT THRU 45-FOOT PROJECT

STA. 0+00 THRU STA. 29+00 ENTRANCE CHANNEL

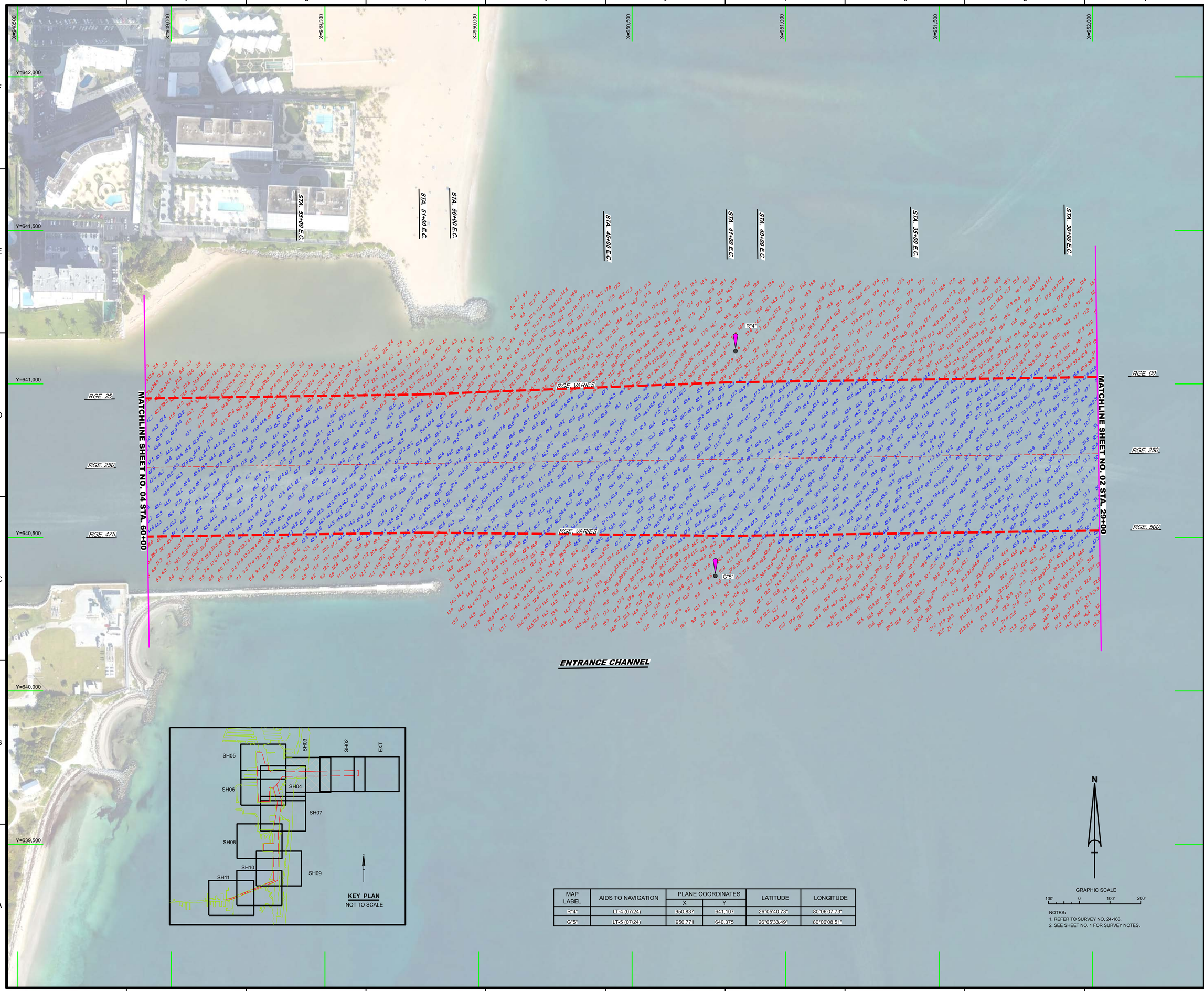
PLAN

Scale: AS SHOWN

Drawing no.

2 / 9

SHEET 02 OF 11



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"4"	LT-4 (07/24)	950,837	641,107	26°05'40.73"	80°06'07.73"
G"5"	LT-5 (07/24)	950,771	640,375	26°05'33.49"	80°06'08.51"

NOTES:
1. REFER TO SURVEY NO. 24-163.
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

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

Cad by: GMR
Checked by: WRM
DWN by: WRM
Rev. No. V03.23EP-X.XX-XXXX
Date: JUL 2024

PE#12-04PREYD.DGN
24-163-A-SDUN_ALL.DGN
24-163-A-SDUN_ALL_CUTS.DGN
PORT EVERGLADES HARBOR-C-NGMCCF.DGN
24-163-C-B-BRGR.DGN
Reference files:
File: 24-163-VH-003.DGN

PORT EVERGLADES HARBOR, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY24
31-FOOT THRU 45-FOOT PROJECT

STA. 29+00 THRU STA. 60+00 ENTRANCE CHANNEL

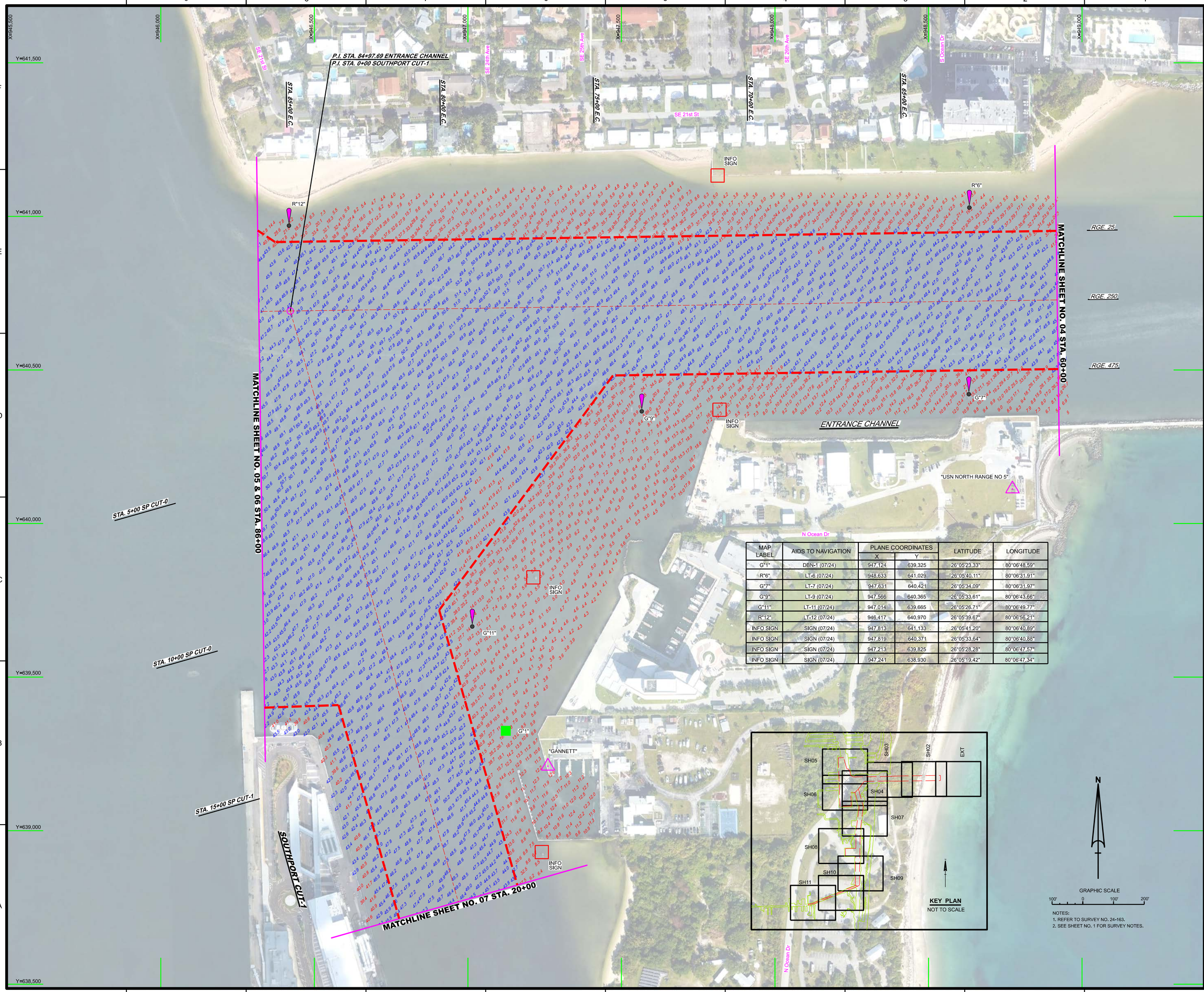
PLAN

Scale: AS SHOWN

Drawing no.

3 / 9

SHEET 03 OF 11



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"1"	DBN-1 (07/24)	947,124	639,325	26°05'23.33"	80°06'48.59"
R"6"	LT-6 (07/24)	948,633	641,029	26°05'40.11"	80°06'31.91"
G"7"	LT-7 (07/24)	947,631	640,421	26°05'34.09"	80°06'31.97"
G"9"	LT-9 (07/24)	947,566	640,365	26°05'33.61"	80°06'43.66"
G"11"	LT-11 (07/24)	947,014	639,665	26°05'26.71"	80°06'49.77"
R"12"	LT-12 (07/24)	946,417	640,970	26°05'39.67"	80°06'56.21"
INFO SIGN	SIGN (07/24)	947,813	641,133	26°05'41.20"	80°06'40.89"
INFO SIGN	SIGN (07/24)	947,819	640,371	26°05'33.64"	80°06'40.88"
INFO SIGN	SIGN (07/24)	947,213	639,825	26°05'28.28"	80°06'47.57"
INFO SIGN	SIGN (07/24)	947,241	638,930	26°05'19.42"	80°06'47.34"

NOTES:
1. REFER TO SURVEY NO. 24-163.
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

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

Drafted by: VRM
DWN by: VRM
Chk by: GMR
Fn. No. V01218-P-XX-XX-XXX
Date: JUL 2024

PE#12-C4-PREYD.DGN
24-163-A-SDI-ALL.DGN
24-163-A-SDI-ALL-CUTS.DGN
PORT EVERGLADES HARBOR-C-NGMCCF.DGN
24-163-C-B-BRGR.DGN
Reference files:
24-163-VHx004.DGN
File name:

PORT EVERGLADES HARBOR, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY24
31-FOOT THRU 45-FOOT PROJECT

STA. 60+00 THRU STA. 86+00 ENTRANCE CHANNEL &
STA. 0+00 THRU STA. 20+00 SOUTHPORT CUT-1

PLAN

Scale: AS SHOWN

Drawing no.

4 / 9

SHEET 04 OF 11

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"29"	LT. BUOY-29 (07/24)	945,877	641,782	26°05'47.75"	80°07'02.08"
R"30"	LT. BUOY-30 (07/24)	945,758	641,717	26°05'47.12"	80°07'03.39"

NOTES:
1. REFER TO SURVEY NO. 24-163.
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

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

Cad by: GMR
Designed by: WRM
DWN by: WRM
Rev. No.: V91J2EP-XXX-XXXX
Date(s): JUL 2024

PEH12-C4-6PKEYD.DGN
24-163-V91-XXXX.DGN
24-163-V91-ALL CUTS.DGN
PORT EVERGLADES HARBOR-C-NGMCCF.DGN
24-163-C4-BS-BRDR.DGN
Reference files:
24-163-V91-005.DGN
24-163-V91-006.DGN

PORT EVERGLADES HARBOR, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY24
31-FOOT THRU 45-FOOT PROJECT

STA. 86+00 THRU STA. 100+00 ENTRANCE CHANNEL/TURNING BASIN

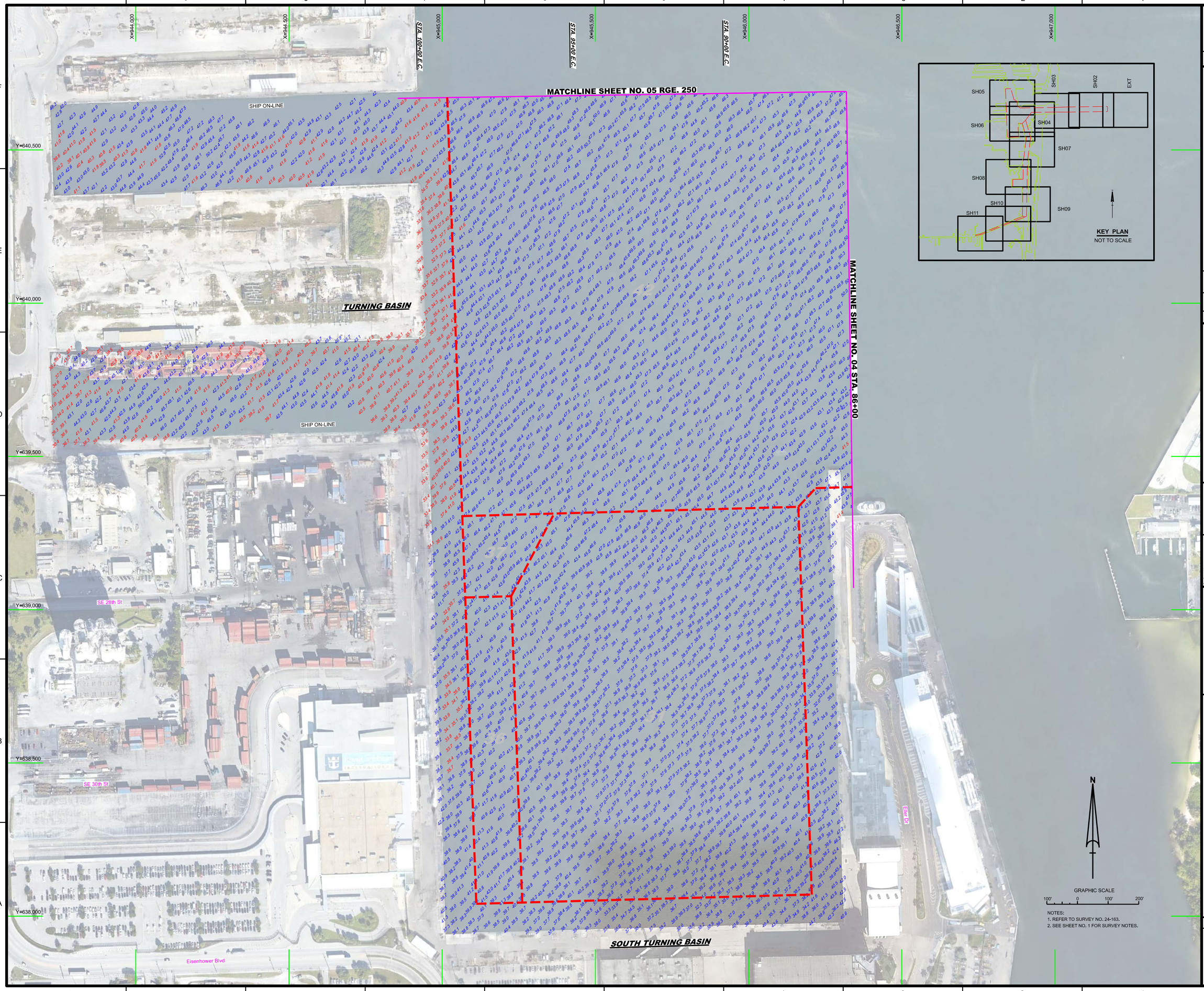
PLAN

Scale: AS SHOWN

Drawing no.

5 / 9

SHEET 05 OF 11



NOTES:
1. REFER TO SURVEY NO. 24-163.
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

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

Cad by: GMR
Designed by: WRM
DWN by: WRM
Rev. No. V0912EP-XXX-XXXX
Date: JUL 2024

FEH12-C-4PRCYD.DGN
24-163-V-SOUN_ALCUTS.DGN
PORT EVERGLADES HARBOR-C-NGMCCF.DGN
24-163-C-BS-BRDR.DGN
Reference files:
File: 24-163-VH006.DGN

PORT EVERGLADES HARBOR, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY24
31-FOOT THRU 45-FOOT PROJECT

STA. 86+00 THRU STA. 100+00 CENTRAL CHANNEL / TURNING BASIN
AND SOUTHERN TURNING BASIN

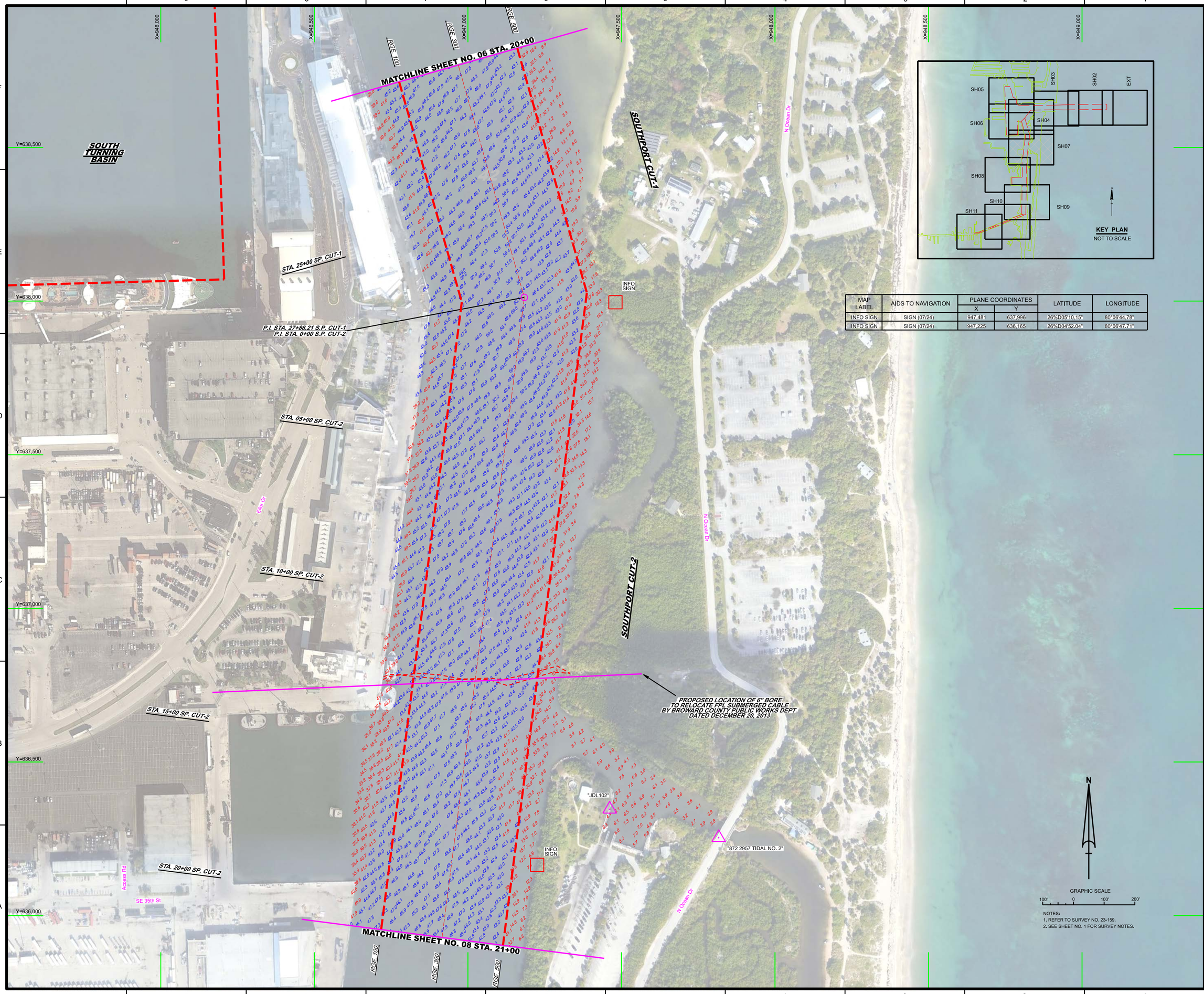
PLAN

Scale: AS SHOWN

Drawing no.

6 / 9

SHEET 06 OF 11



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
INFO SIGN	SIGN (07/24)	947,481	637,996	26°%D05'10.15"	80°06'44.78"
INFO SIGN	SIGN (07/24)	947,225	636,165	26°%D04'52.04"	80°06'47.71"

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description

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

Cad by: GMR
Designed by: VIRM
DWN by: VIRM
Rev. No. V0912EFS-XXX-XXXX
Date: JUL 2024

FEH12-2-KPKEYD.DGN
23-159-A-NAV.DGN
23-159-A-LAYOUT.DGN
23-159-A-SOUN_ALLCUTS.DGN
PORT EVERGLADES HARBOR-C-NGNICCF.DGN
Reference files:
23-159-VH-001.DGN
23-159-VH-007.DGN
File name:

PORT EVERGLADES HARBOR, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY24
31-FOOT THRU 45-FOOT PROJECT

STA. 20+00 SOUTHPORT CUT-1 THRU STA. 21+00 SOUTHPORT CUT-2

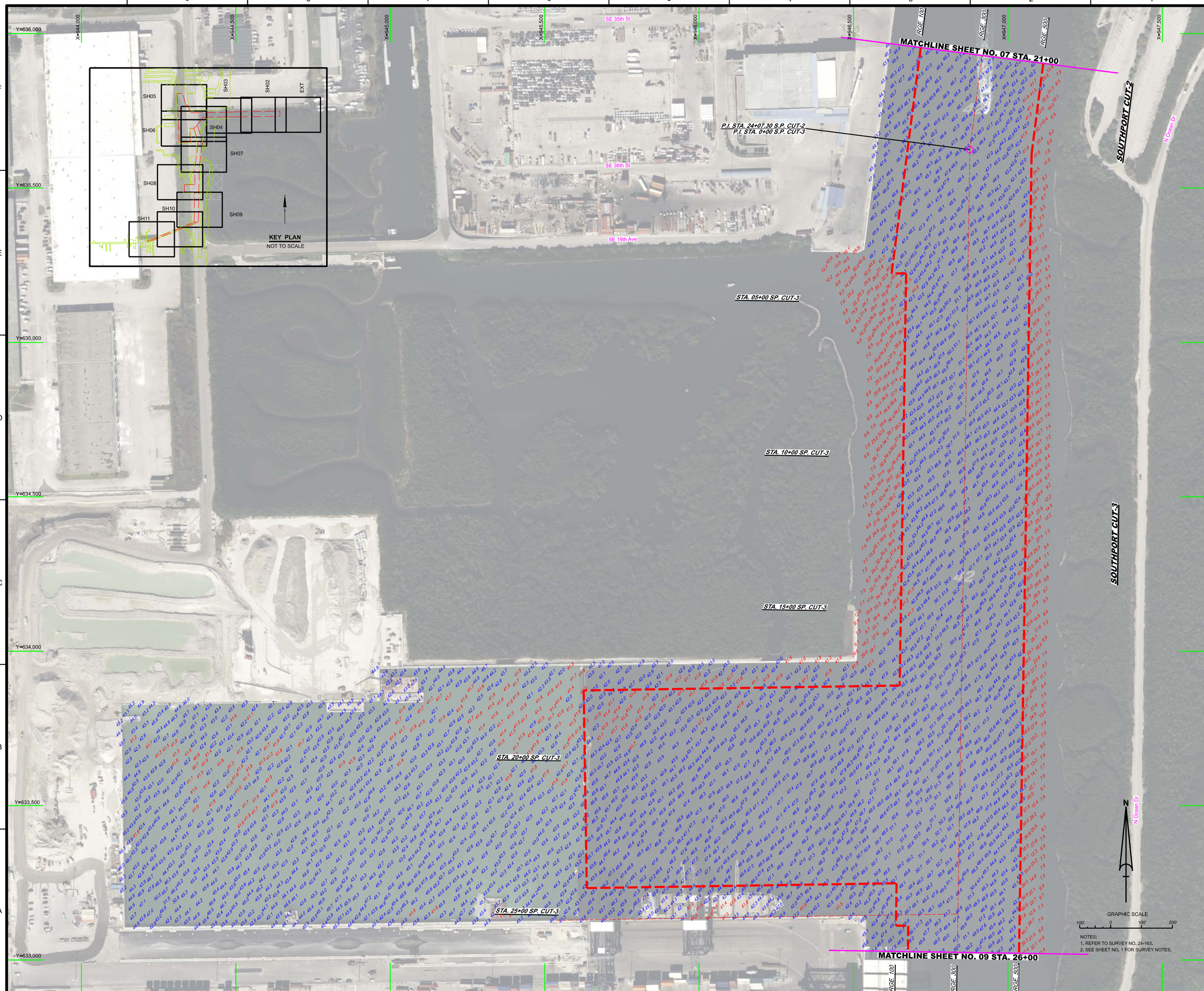
PLAN

Scale: AS SHOWN

Drawing no.

7 / 9

SHEET 07 OF 11



NOTES:
1. REFER TO SURVEY NO. 24-163.
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

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

Designed by: GMR
Drawn by: VRM
Reviewed by: VRM
Date: JUL 2024
Rev. No. V91F2EP-XX-XX-XXXX

Reference files:
PEN122-G-KPKEYD.DGN
24-163-G-SHEET-INDEX.DGN
24-163-V-SEGN_ALLCUTS.DGN
PORT EVERGLADES HARBOR-C-NGNCCF.DGN
24-163-C-SB-BNDR.DGN

File name: 24-163-V-H008.DGN

PORT EVERGLADES HARBOR, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY24
31-FOOT THRU 45-FOOT PROJECT

STA. 21+00 SOUTHPORT CUT-2 THRU STA. 26+00 COUTHPORT CUT-3

PLAN

Scale: AS SHOWN

Drawing no.

8 / 9

SHEET 08 OF 11

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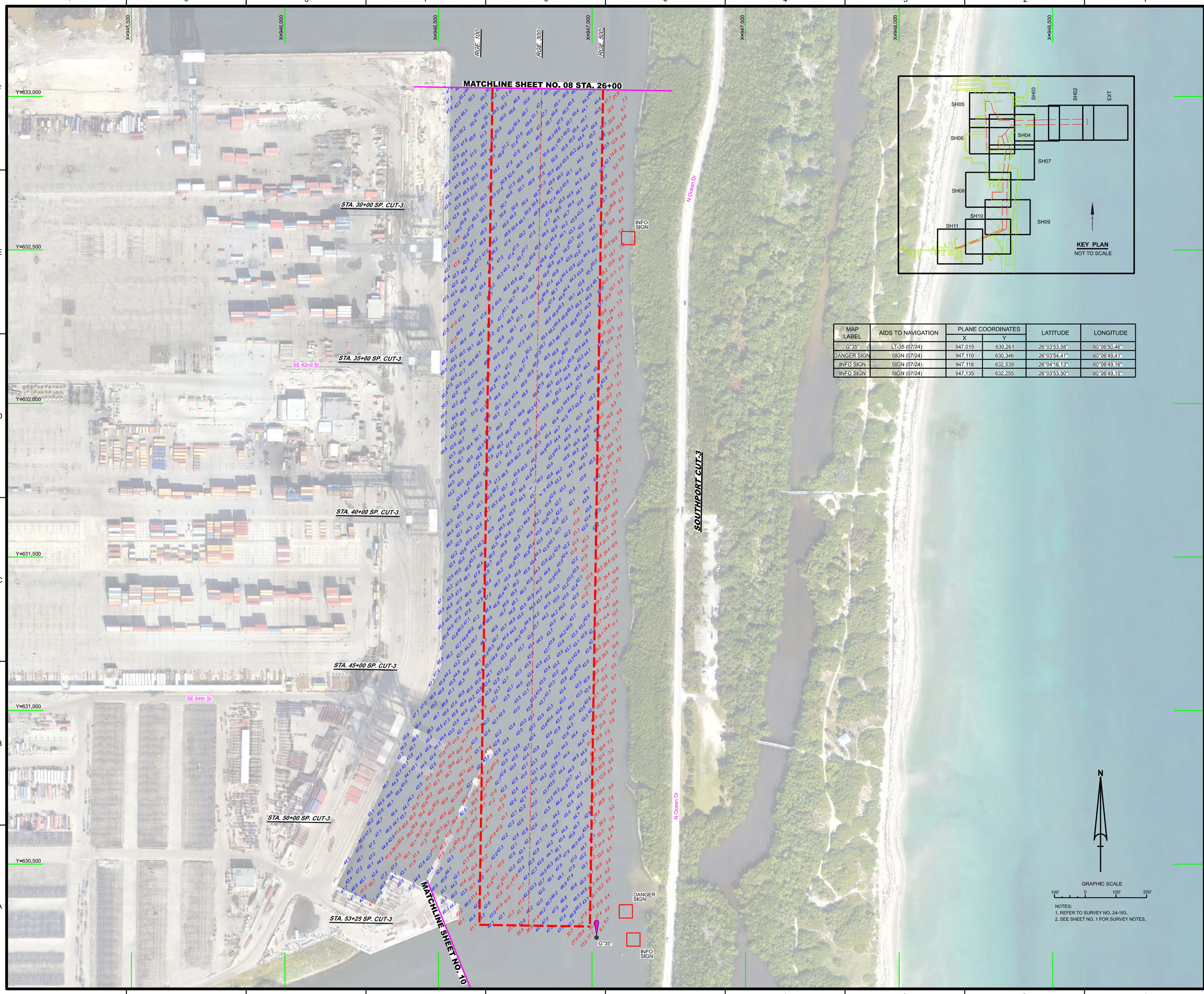


MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"35"	LT-35 (07/24)	947,015	630,261	26°03'53.58"	80°06'50.46"
DANGER SIGN	SIGN (07/24)	947,110	630,346	26°03'54.41"	80°06'49.41"
INFO SIGN	SIGN (07/24)	947,118	632,539	26°04'16.13"	80°06'49.16"
INFO SIGN	SIGN (07/24)	947,135	632,255	26°03'53.50"	80°06'49.15"

NOTES:
1. REFER TO SURVEY NO. 24-163.
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

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

Drafted by: GMR
Designed by: WRM
DWN by: WRM
Rev. No.: W912EP-XX-XX-XXX
Dates: JUL 2024

XXXXXXXX-XX-XXXXXX.DGN
24-163-NAV.DGN
24-163-SURVEY.DGN
24-163-ASGN_ALL CUTS.DGN
PORT EVERGLADES HARBOR-C-NGMCCF.DGN
24-163-C-BS-BRDR.DGN
Reference files:
24-163-VH-009.DGN
File name:

PORT EVERGLADES HARBOR, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY24
31-FOOT THRU 45-FOOT PROJECT

STA. 26+00 THRU STA. 53+65 SOUTHPORT CUT-3

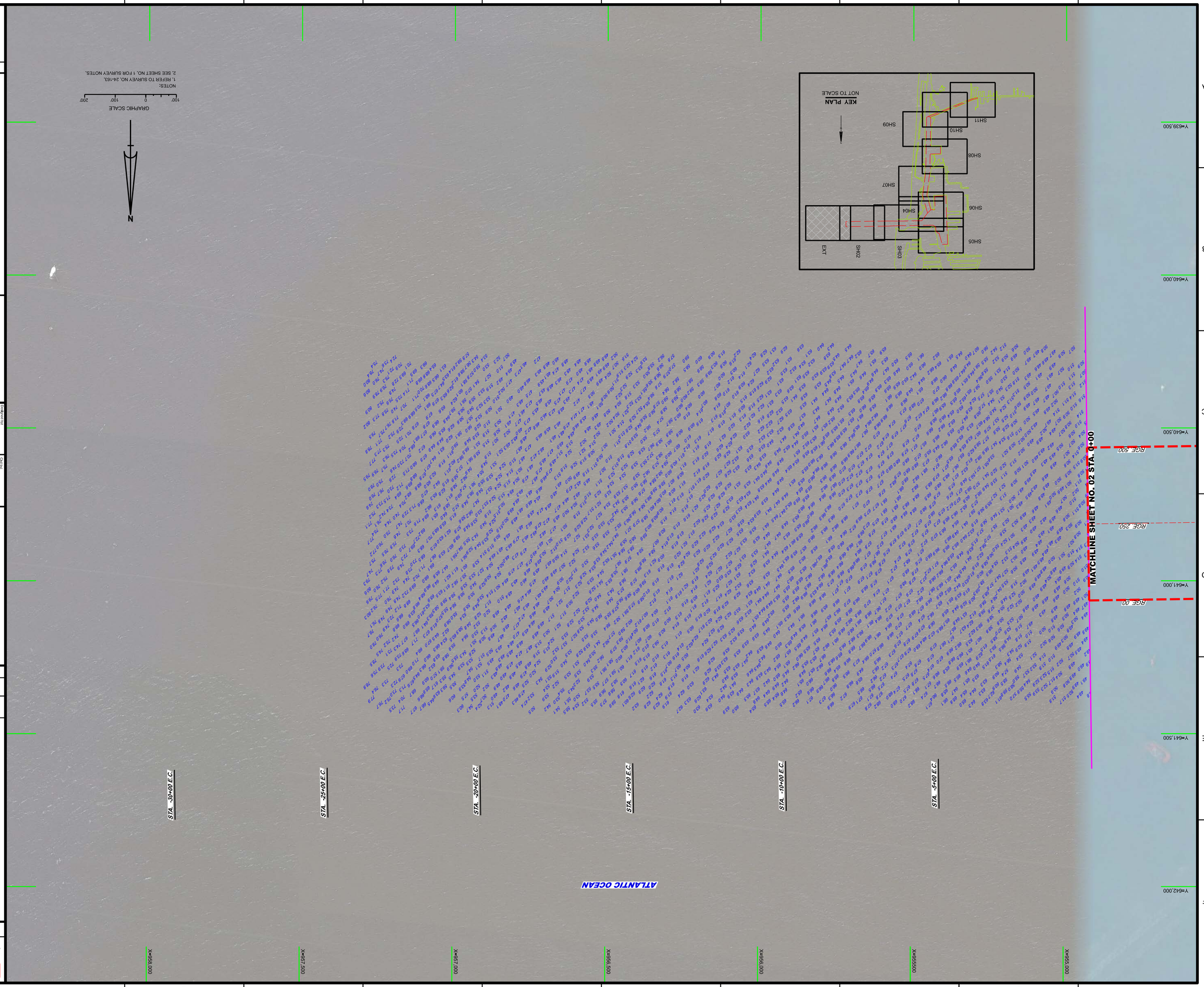
PLAN

Scale: AS SHOWN

Drawing no.

9 / 9

SHEET 09 OF 11



US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description

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

PORT EVERGLADES HARBOR, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY24
31-FOOT THRU 45-FOOT PROJECT

STA. 0+00 THRU STA. -25+00 ENTRANCE CHANNEL

PLAN

Drafted by:	WRM
Dwn by:	WRM
Chk by:	GMR
Rev. No.:	V03-YEP-XXXXXXXX
Date:	JUL 2024

Ref: 24-163-GA-PREVIEW.DGN
24-163-V-SOUN_ALLCUTS.DGN
PORT EVERGLADES HARBOR-C-NGMCDF.DGN
24-163-CABS-BRDR.DGN
Reference files:

24-163-V-HI-EC-EXT.DGN
File name:

Drawing no.
1

SHEET 01 OF 01

Scale: AS SHOWN