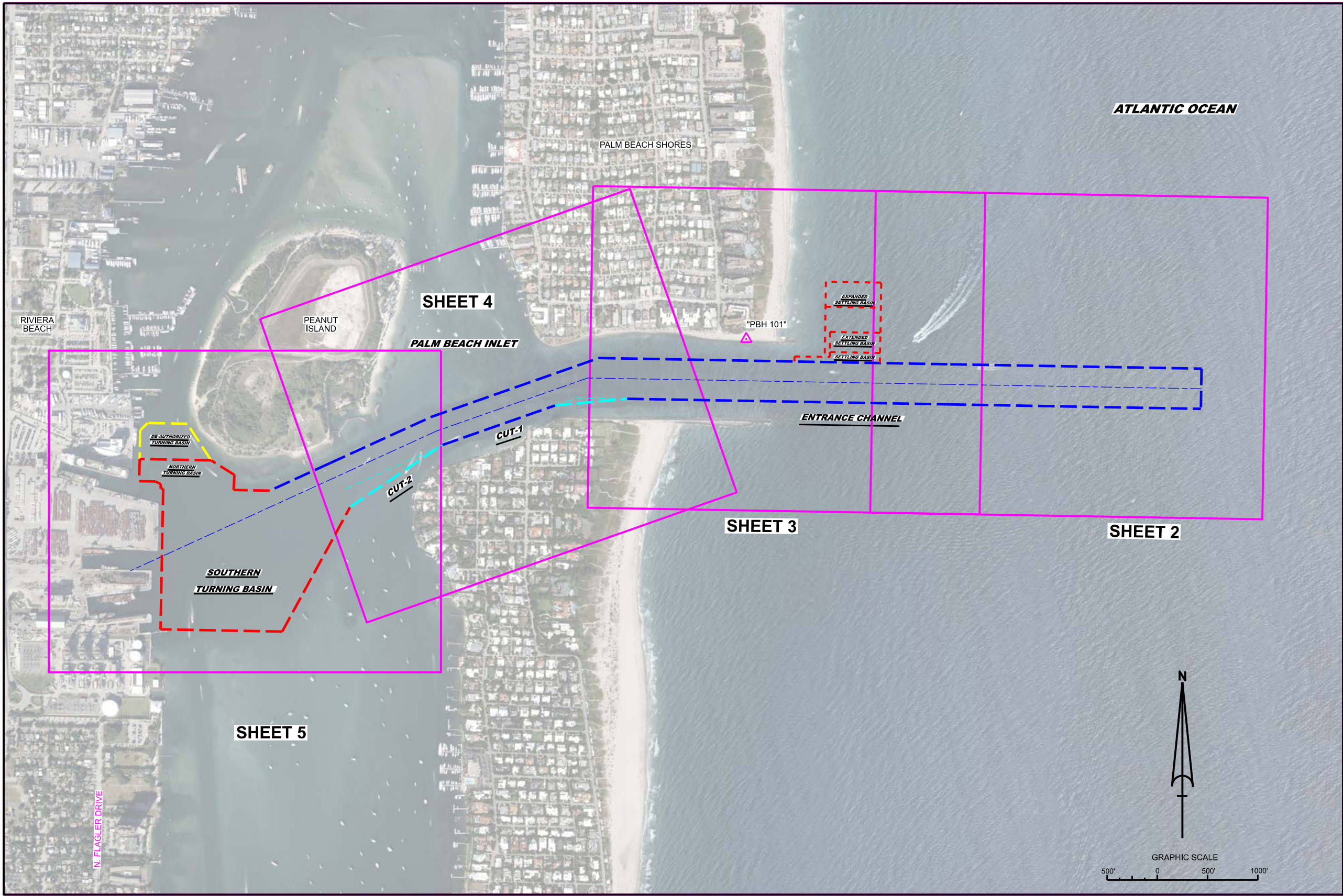


PALM BEACH HARBOR, FLORIDA

DEC HYDROGRAPHIC EXAM SURVEY FY25

25, 33, 35, 37 & 39-FOOT PROJECT



SURVEY NOTES

- REFER TO SURVEY NO. 25-046.
- SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO NOAA'S REPORTED MEAN LOWER LOW WATER (MLLW) OF THE 1983-2001 TIDAL EPOCH.
- 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: "PALMBEACH_2018 05 03.KTD".
- ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGN.
- 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).
- 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 LOCATION:
REFERENCE BASE LOCATED AT "PBH 101" (PID: BBN27)
TIDE STAFF LOCATED FROM "COE A 310 RESET" (PID: BBN25)
- 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 HEIGHT OF THE BENCHMARK ASSOCIATED BELOW:
NOAA TIDAL STATION 872-2588, PORT OF W. PALM BEACH, LAKE WORTH (PID: BBN25)
- VERTICAL MEASUREMENTS WERE MADE USING AN R2 SONIC 2026 MULTI-BEAM SYSTEM. ALL SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.

VESSEL	DATE OF SURVEY	CUT
SV FLORIDA II	11 DEC 2024	ENTRANCE CHANNEL, IMP. BASIN
SV FLORIDA II	12 DEC 2024	CUTS 1, 2 AND TURNING BASIN
SV FLORIDA II	19 DEC 2024	TURNING BASIN (PARTIAL DREDGE GAP)
- 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.
- 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
	CAN BUOY
	NUN BUOY
	TIDE STAFF
	PROJECT DEPTH

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB
DEPENDS ON YOU

Zone	Symbol	Color	Size	Material	Notes
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

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

Call by: GMR

Designed by: WRM

DWG. No: WRM

File No: DEC 2024

Reference files:
AERIAL_BING.DGN
MOCE_PALM_BEACH_HARBOR-CAC-MODEL.DGN
25-046-CGS-ERD.DGN
25-046-H-101.DGN

PALM BEACH HARBOR, FLORIDA

DEC HYDROGRAPHIC EXAM SURVEY FY25

25, 33, 35, 37 & 39-FOOT PROJECT

INDEX, LOCATION AND VICINITY

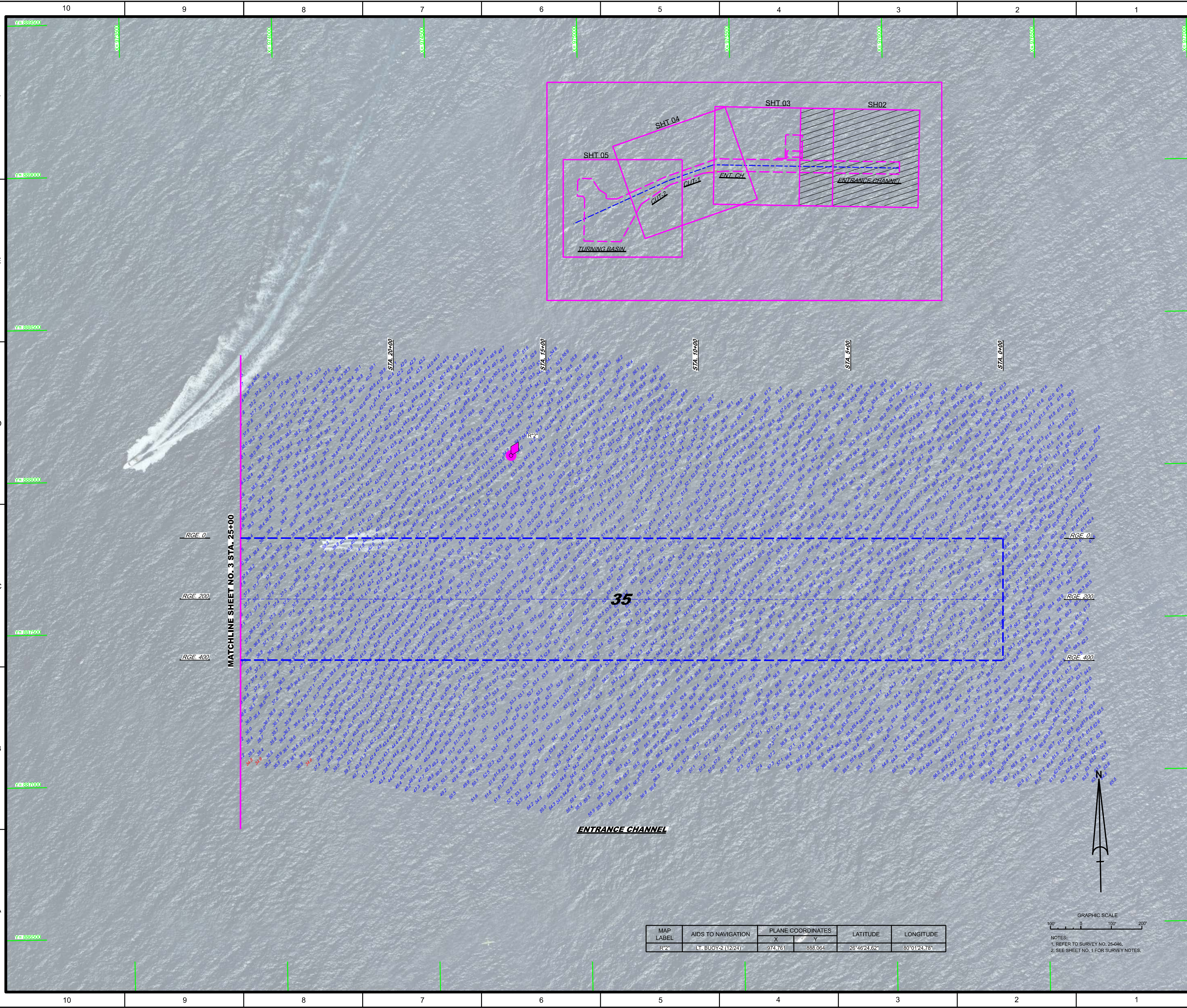
MAP


Scale: AS SHOWN

Drawing no.

1

SHEET 01 OF 05



 <p>US Army Corps of Engineers Jacksonville District</p>		<p>SAFETY ON THIS JOB DEPENDS ON YOU</p>	
<p>Scale: AS SHOWN</p>		<p>Drawing no.</p>	
<p>2</p>		<p>SHEET 02 OF 05</p>	

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G°5	LT. BUOY-5 (12/24)	970.663	887.428	26°46'18.63"	80°02'10.04"
R°6	LT. BUOY-6 (12/24)	970.551	887.869	26°46'23.00"	80°02'11.24"
G°7	LT. BUOY-7 (12/24)	969.995	887.407	26°46'18.47"	80°02'17.41"
R°8	LT-8 (12/24)	969.329	887.558	26°46'20.02"	80°02'24.75"
G°9	LT-9 (12/24)	968.793	886.937	26°46'13.91"	80°02'30.72"
R°10	LT-10 (12/24)	968.227	887.135	26°46'15.92"	80°02'36.94"

