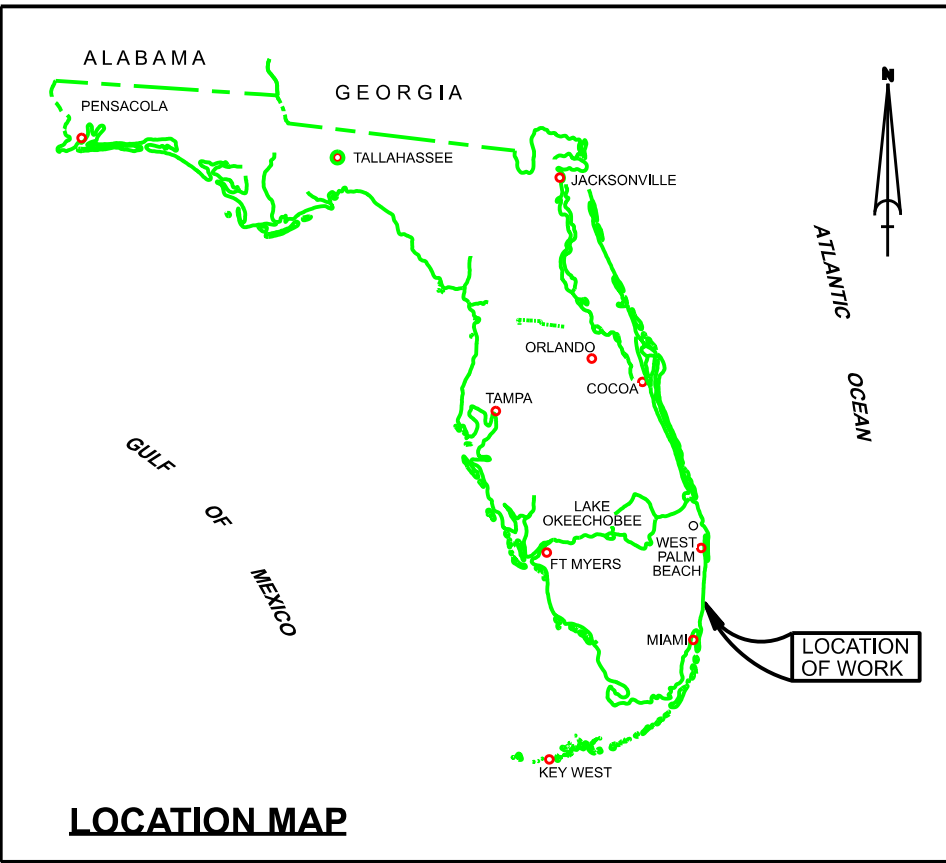
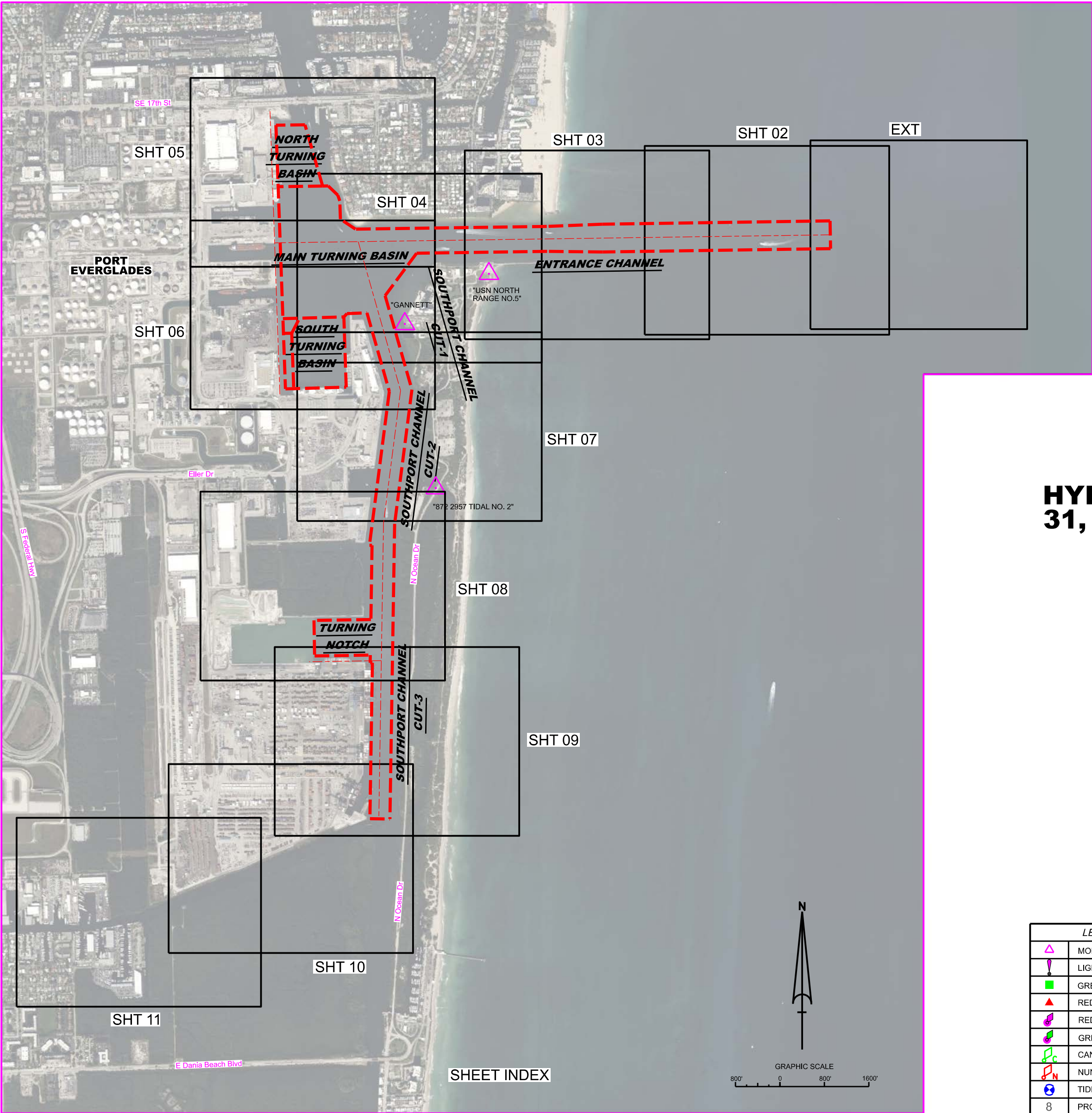




PORT EVERGLADES HARBOR
BROWARD COUNTY, FLORIDA
HYDROGRAPHIC EXAM SURVEY FY23
31, 36, 37, 42 AND 45-FOOT PROJECT

SURVEY NOTES

- REFER TO SURVEY NO. 23-159.
 - ELEVATIONS ARE IN FEET AND TENTHS AND REFER TO THE NOAA REPORTED MEAN LOWER LOW WATER (MLLW) TIDAL DATUM, 1983-2001 EPOCH.
 - 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 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 "USN NORTH RANGE 2 NO. 5" (PID: CS4034)
TIDE STAFF SET FROM MONUMENT "872 2957 TIDAL 2" (PID: AD5884)
 - 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 05 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 SPECIFIED BELOW:
NOAA TIDAL STATION 872-2957 FOR THE ENTIRE PROJECT (PID: AD5884)
 - VERTICAL MEASUREMENTS WERE MADE USING AN EDGETECH 6205 MULTI-PHASE ECHOSOUNDER AND AN ECHOTRAC E20 SINGLE-BEAM TRANSDUCER OPERATING AT 28 AND 200 KHZ. SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.
- | VESSEL | DATE OF SURVEY | CUT |
|--------|----------------|------------------------------------|
| SB-48 | 30 MAY 2023 | TURNING BASIN, SP1, BERTHING AREAS |
| SB-48 | 13 JUN 2023 | ENTRANCE CHANNEL |
| SB-48 | 14 JUN 2023 | SP2, SP3, TURNING NOTCH |
- 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 DAY BEACON
	RED DAY BEACON
	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

Drawn by	Checked by	Reviewed by	Zone	Scale
WRM	GMR	WRM		

DESIGNED BY: WRM
DRAWN BY: WRM
FILE NO.: WRP23-NA-0004
DATE: JUN 2023

PORT EVERGLADES HARBOR-CANAL-CDGN
PORT EVERGLADES HARBOR-CDGN
Reference File: 23-159-H401.DGN
File Name: 23-159-H401.DGN

PORT EVERGLADES HARBOR, FLORIDA

**HYDROGRAPHIC EXAM SURVEY FY23
31-FOOT THRU 45-FOOT PROJECT**

INDEX, LOCATION AND VICINITY

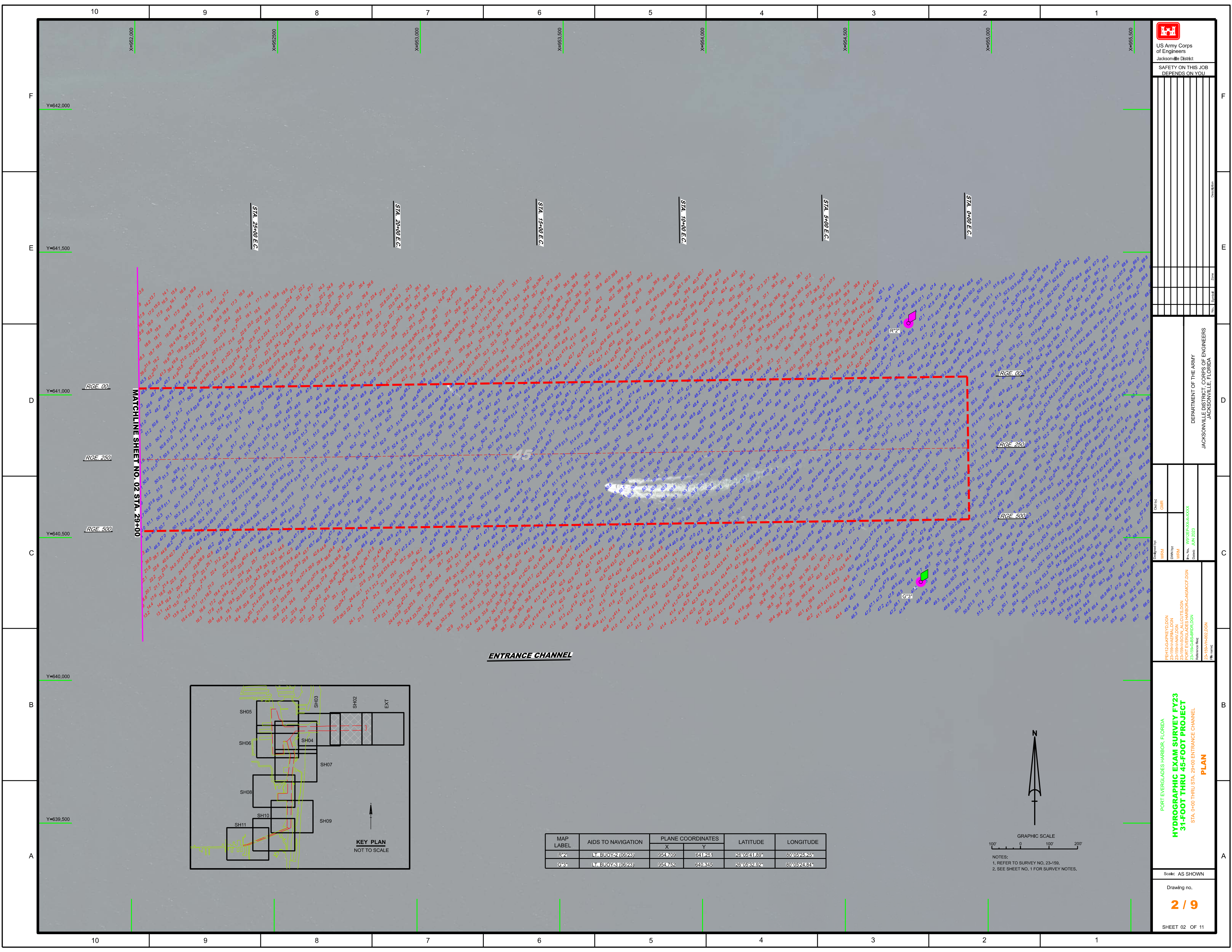
MAP

Scale: AS SHOWN

Drawing no.

1 / 9

SHEET 01 OF 11



US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB
DEPENDS ON YOU

Sheet No.	Zone	Scale
1	1	AS SHOWN
2	2	AS SHOWN
3	3	AS SHOWN
4	4	AS SHOWN
5	5	AS SHOWN
6	6	AS SHOWN
7	7	AS SHOWN
8	8	AS SHOWN
9	9	AS SHOWN
10	10	AS SHOWN

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, FLORIDA

PROJECT: HYDROGRAPHIC EXAM SURVEY FY23
31-FOOT THRU 45-FOOT PROJECT
STA. 0+00 THRU STA. 29+00 ENTRANCE CHANNEL

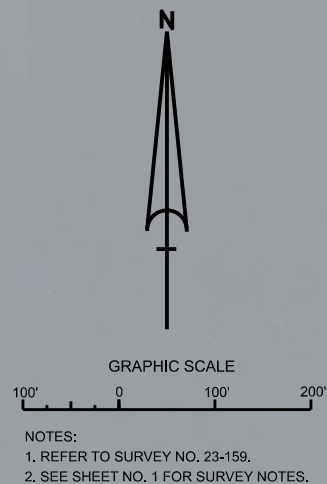
PLAN

Scale: AS SHOWN

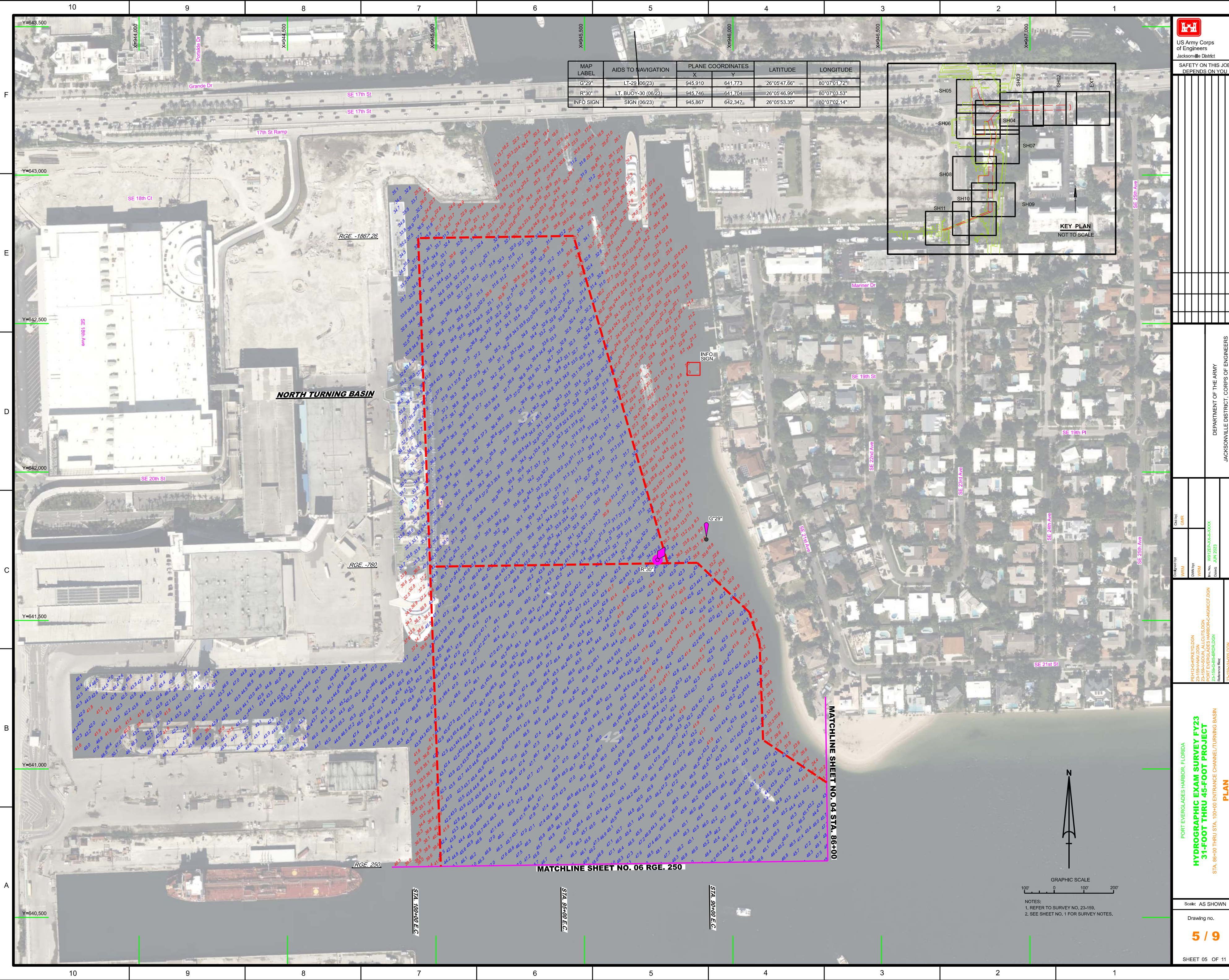
Drawing no.
2 / 9

SHEET 02 OF 11

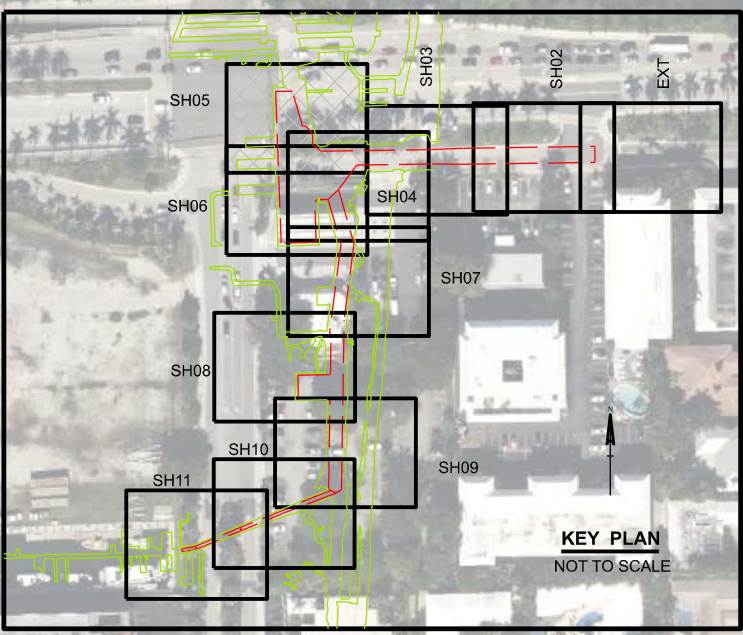
MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R2	LT. BUOY-2 (06/23)	954.709	641.251	26°05'41.89"	80°05'25.25"
G3	LT. BUOY-3 (06/23)	954.752	640.845	26°05'32.92"	80°05'24.84"



NOTES:
1. REFER TO SURVEY NO. 23-159.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G-29"	LT-29 (06/23)	945,910	641,773	26°05'47.66"	80°07'01.72"
R-30"	LT, BUOY-30 (06/23)	945,746	641,704	26°05'46.99"	80°07'03.53"
INFO SIGN	SIGN (06/23)	945,867	642,347	26°05'53.35"	80°07'02.14"



US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB
DEPENDS ON YOU

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

Drawn by: **GNR**
Checked by: **GNR**
Designed by: **GNR**
Reviewed by: **GNR**
Date: **JUN 2023**

PORT EVERGLADES HARBOR, FLORIDA
HYDROGRAPHIC EXAM SURVEY FY23
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

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