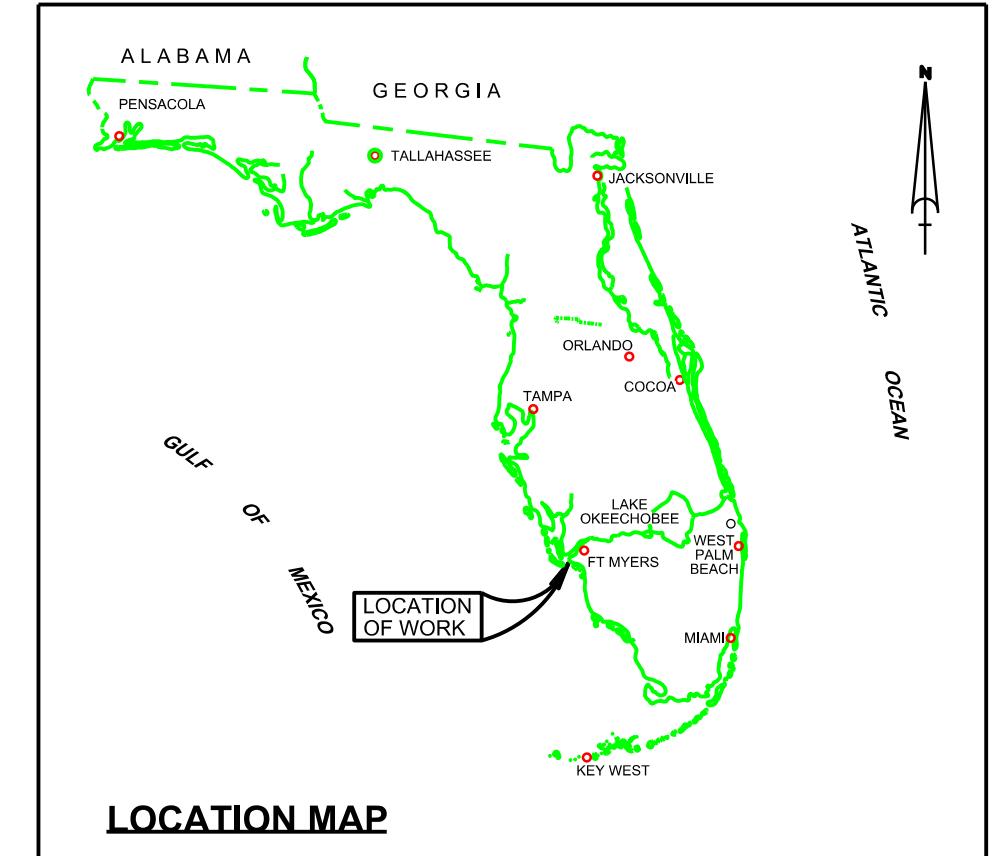


SHEET INDEX



# FORT MYERS BEACH HARBOR LEE COUNTY, FLORIDA MAY HYDRO EXAM SURVEY FY21 11 & 12-FOOT PROJECT

**SURVEY NOTES**

- REFER TO SURVEY NO. 21-160.
- DEPTHS DEPICTED BY THIS SURVEY ARE REFERENCED TO MEAN LOWER LOW WATER (MLLW) OF THE 1983-2001 TIDAL EPOCH, AS REPORTED BY THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA). NOAA'S VDATUM MODEL WAS USED AND CALIBRATED TO THE PUBLISHED MLLW HEIGHT OF THE BENCHMARK ASSOCIATED WITH THE TIDE GAGE SITE SPECIFIED BELOW:  
NOAA TIDAL STATION 872-5366 (PID: AD1372) FOR ALL CUTS.
- 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".
- ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGN.
- PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE WEST ZONE OF FLORIDA AND REFERENCED TO NORTH AMERICAN DATUM OF 1983 (NAD83).
- 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 LOCATIONS:  
REFERENCE BASE LOCATED AT "STALEY" (PID: BBCJ30)  
TIDE STAFF SET FROM "872 5366 TIDAL 2" (PID: AD1372)  
VERTICAL MEASUREMENTS WERE MADE USING A RESON T-20 MULTI-BEAM ECHO SOUNDER OPERATING AT 240 KHZ AND A ROSS MODEL 835 SINGLE-BEAM ECHOSOUNDER OPERATING AT 28200 KHZ. ALL SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.

VESSEL	DATE OF SURVEY	CUT
SB-52	18-19 MAY 2021	CUTS 1 & 2A, EXTRA DATA NORTH OF CUT-1

- 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

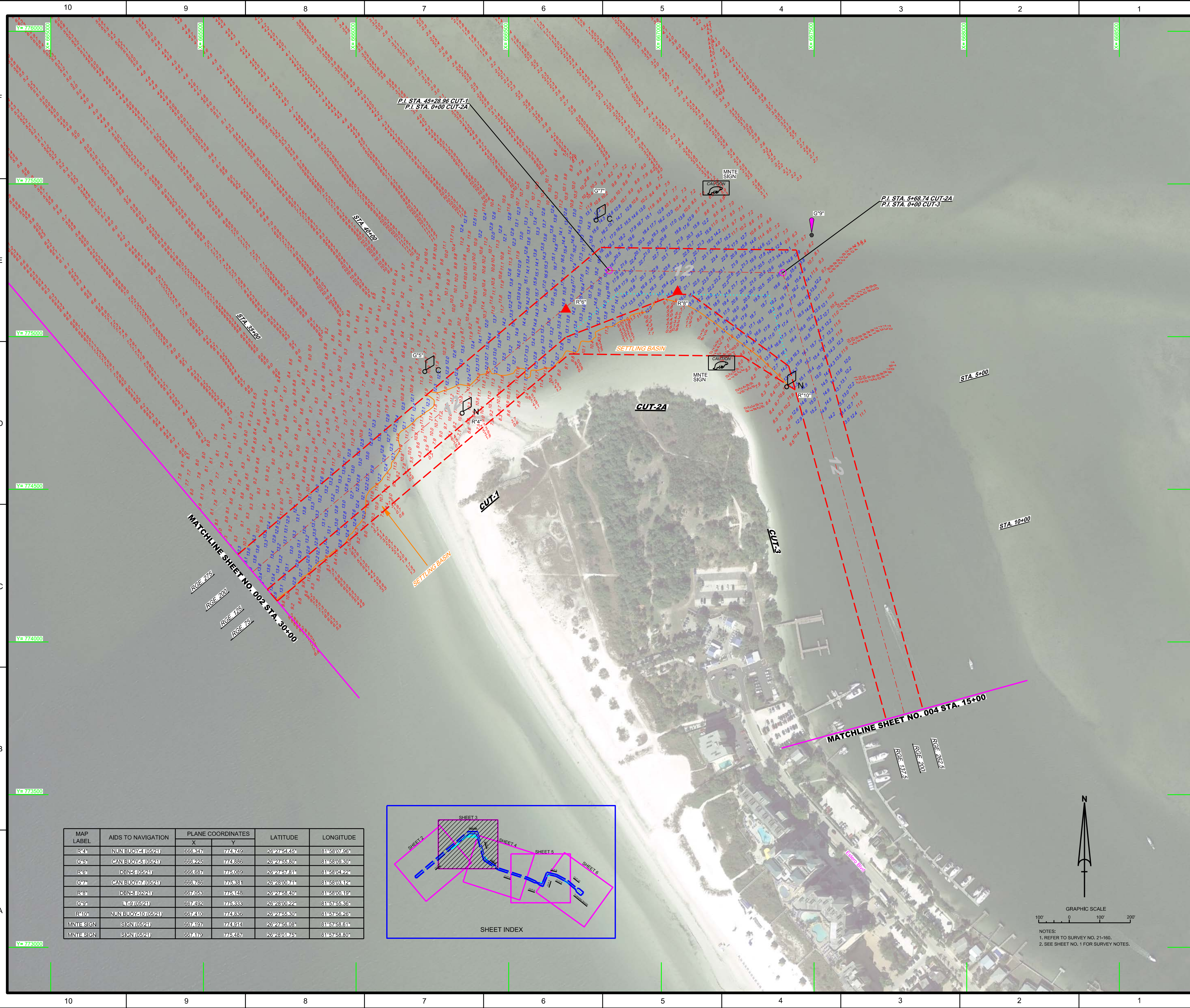
US Army Corps of Engineers  
Jacksonville District  
SAFETY ON THIS JOB  
DEPENDS ON YOU

DEPARTMENT OF THE ARMY JACKSONVILLE DISTRICT, CORPS OF ENGINEERS JACKSONVILLE, FLORIDA	Drawn by: GHR Checked by: GHR Date: MAY 2021	FT MYERS BEACH HARBOR LEE COUNTY, FLORIDA MAY HYDRO EXAM SURVEY 11 & 12-FOOT PROJECT INDEX, LOCATION AND VICINITY MAP	Scale: AS SHOWN Drawing no. <b>1 / 4</b>	SHEET 01 OF 06

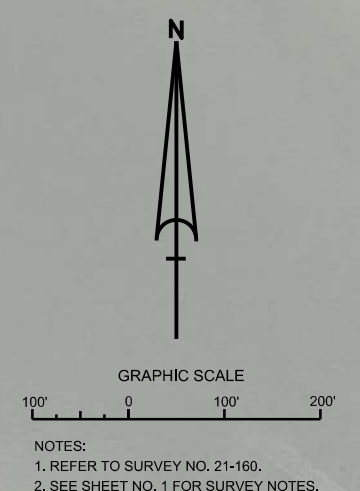
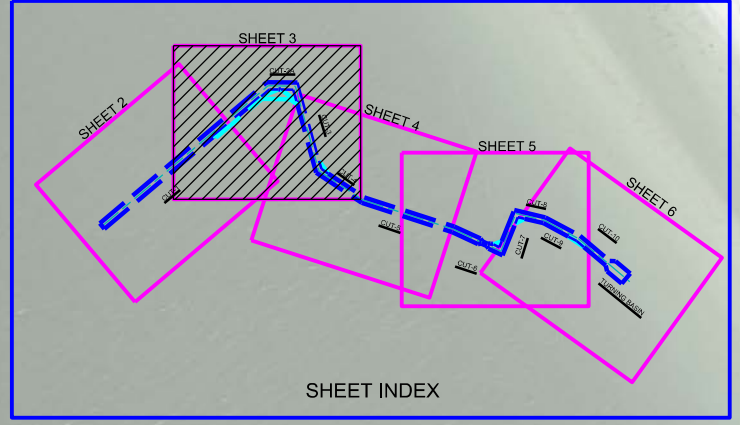








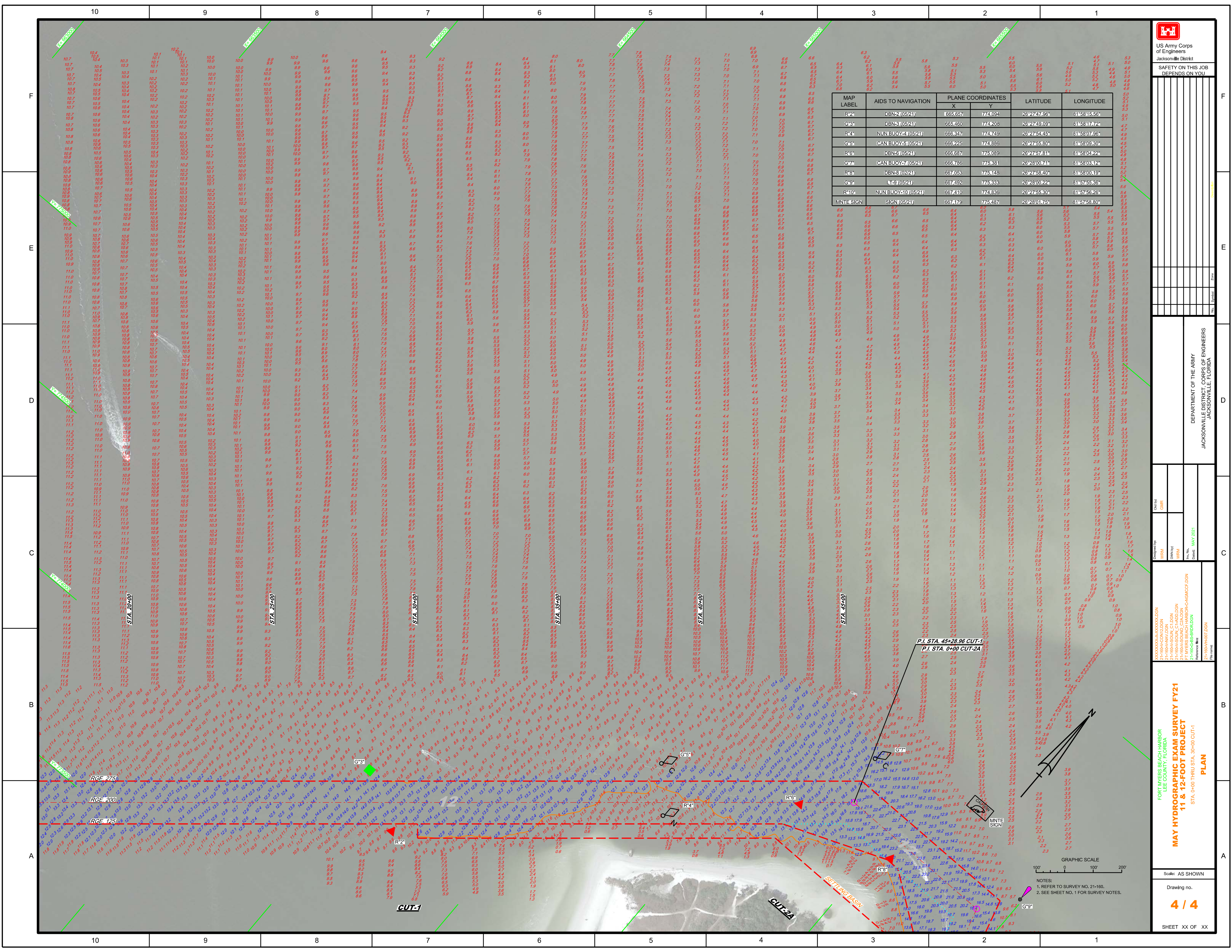
MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R4	NUN BUOY-4 (05/21)	666.347	774749	26°27'54.45"	81°58'07.96"
G9	CAN BUOY-5 (05/21)	666.225	774886	26°27'55.80"	81°58'09.30"
R6	DBN-6 (05/21)	666.687	775089	26°27'57.81"	81°58'04.22"
G7	CAN BUOY-7 (05/21)	666.786	775381	26°28'00.74"	81°58'08.12"
R8	DBN-8 (02/21)	667.053	775148	26°27'58.40"	81°58'00.10"
G9	LT-9 (05/21)	667.492	775333	26°28'00.22"	81°57'55.36"
R10	NUN BUOY-10 (05/21)	667.410	774836	26°27'55.30"	81°57'58.26"
MNT SIGN	SIGN (05/21)	667.197	774914	26°27'56.06"	81°57'58.61"
MNT SIGN	SIGN (05/21)	667.179	775187	26°28'01.75"	81°57'58.80"



NOTES:  
1. REFER TO SURVEY NO. 21-160.  
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

FORT MYERS BEACH HARBOR  
LEE COUNTY, FLORIDA  
**MAY HYDROGRAPHIC EXAM SURVEY FY21**  
**11 & 12-FOOT PROJECT**  
STA. 30+00 CUT-1 THRU STA. 15+00 CUT-3  
**PLAN**





MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R2*	DBN-2 (05/21)	665.657	174.094	28°27'47.96"	81°58'15.56"
G6*	DBN-5 (05/21)	666.450	174.248	28°27'49.03"	81°58'17.74"
R4*	NUN BUOY-4 (05/21)	666.847	174.749	28°27'54.45"	81°58'07.95"
G6*	CAN BUOY-5 (05/21)	666.825	174.886	28°27'55.80"	81°58'00.30"
R6*	DBN-5 (05/21)	666.837	175.039	28°27'57.81"	81°58'04.22"
G7*	CAN BUOY-7 (05/21)	666.786	175.581	28°28'00.74"	81°58'03.12"
R8*	DBN-8 (02/21)	667.053	175.544	28°27'58.40"	81°58'00.19"
G9*	LT-9 (05/21)	667.492	175.833	28°28'00.22"	81°57'55.36"
R10*	NUN BUOY-10 (05/21)	667.410	174.836	28°27'55.30"	81°57'58.26"
MNTN SIGN	SIGN (05/21)	667.175	175.437	28°28'01.76"	81°57'58.80"

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

Call by: GHR  
Designed by: WRM  
Drawn by: WRM  
Checked by: WRM  
Date: MAY 2021

XXXXXXXXXXXXXXXXXXXX  
2-186A-CONT/DON  
2-186A-SOUL/DON  
2-186A-SOUL/O-HOOD/DON  
2-186C-BEACH/HARBOR-NGW/OOD/DON  
2-186C-BEACH/HARBOR-NGW/OOD/DON  
Reference: 2-186V-HARBOR/DON

FORT MYERS BEACH HARBOR  
LEE COUNTY, FLORIDA

MAY HYDROGRAPHIC EXAM SURVEY FY21  
11 & 12-FOOT PROJECT

PLAN  
STA. 0+00 THRU STA. 30+00 CUT-1

Scale: AS SHOWN  
Drawing no. 4 / 4  
SHEET XX OF XX

NOTES:  
1. REFER TO SURVEY NO. 21-180.  
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

