



FORT MYERS BEACH HARBOR LEE COUNTY, FLORIDA HYDROGRAPHIC EXAM SURVEY FY22 11 & 12-FOOT PROJECT

SURVEY NOTES

- REFER TO SURVEY NO. 22-123.
- DEPTHS DEPICTED BY THIS SURVEY ARE REFERENCED TO MEAN LOWER LOW WATER (MLLW) OF THE 1929-2004 TIDAL EPOCH AS REPORTED BY THE NATIONAL OCEANOGRAPHIC ATMOSPHERIC ADMINISTRATION. NOAA'S VDATTUM 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 "ESTERO-101" (OPUS PID: BBDV83) FOR PORTIONS OF CUT-1, CUT-2A AND CUT-3
 - REFERENCE BASE LOCATED AT #872 5366 C (PID: DN3735) FOR CUTS 1 THRU THE TURNING BASIN.

- VERTICAL MEASUREMENTS WERE MADE USING A RESON T-20 MULTI-BEAM ECHOSOUNDER OPERATING AT 240 KHZ AND A ROSS 835 SINGLE-BEAM ECHOSOUNDER OPERATING AT 28/200 KHZ. ALL SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.
- 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	
8	PROJECT DEPTH	

**FORT MYERS BEACH HARBOR
LEE COUNTY, FLORIDA
HYDROGRAPHIC EXAM SURVEY FY22
11 & 12-FOOT PROJECT**
 INDEX LOCATION AND VICINITY
MAP

Scale: AS SHOWN
Drawing no. 1



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CUT-1 PROPOSED REALIGNMENT

CUT-1

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G*1*	LT-1 (05/22)	664,476	773,218	26°27'39.29"	81°58'28.55"
R*2*	DBN-2 (05/22)	665,662	774,091	26°27'47.94"	81°58'15.50"
G*3*	DBN-3 (05/22)	665,452	774,203	26°27'49.04"	81°58'17.81"

MATCHLINE SHEET NO. 003 STA. 30+00

RGE. 275

RGE. 200

RGE. 125

FORT MYERS BEACH HARBOR
LEE COUNTY, FLORIDA
HYDROGRAPHIC EXAM SURVEY FY22
11 & 12-FOOT PROJECT
STA. 0+00 THRU STA. 30+00 CUT-1
PLAN

Notes:
1. REFER TO SURVEY NO. 22-123.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

Drawing no.

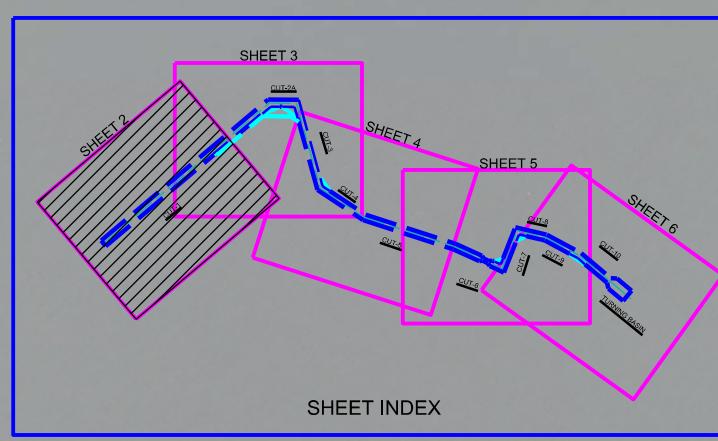
2

Sheet 02 OF 06

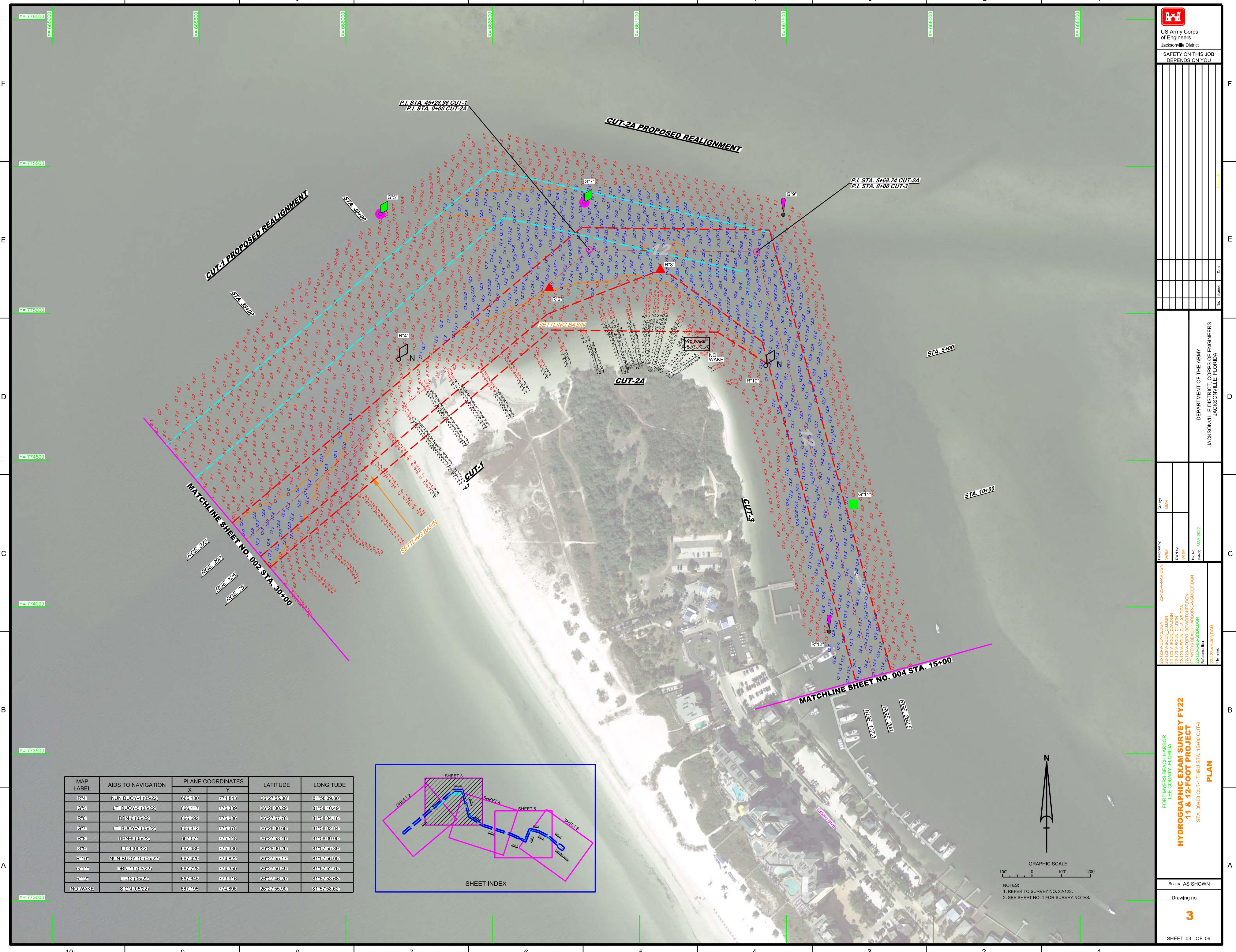
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22-123-C-CON-ZEIGN	22-123-C-CON-ZEIGN
FT. MYERS BEACH HARBOR-C-NGC-DGN	FT. MYERS BEACH HARBOR-C-NGC-DGN
22-124-C-B-BRDR-DGN	22-124-C-B-BRDR-DGN
Reference Illus. No. 100-100-000-000-000	Reference Illus. No. 100-100-000-000-000
File name: 22-123H02.DGN	File name: 22-123H02.DGN

Designed by: WRM	Checked by: GMR
Drawn by: WRM	
Rev. No.: WAV 2022	
Date: May 2022	

DEPARTMENT OF THE ARMY JACKSONVILLE DISTRICT, CORPS OF ENGINEERS JACKSONVILLE, FLORIDA
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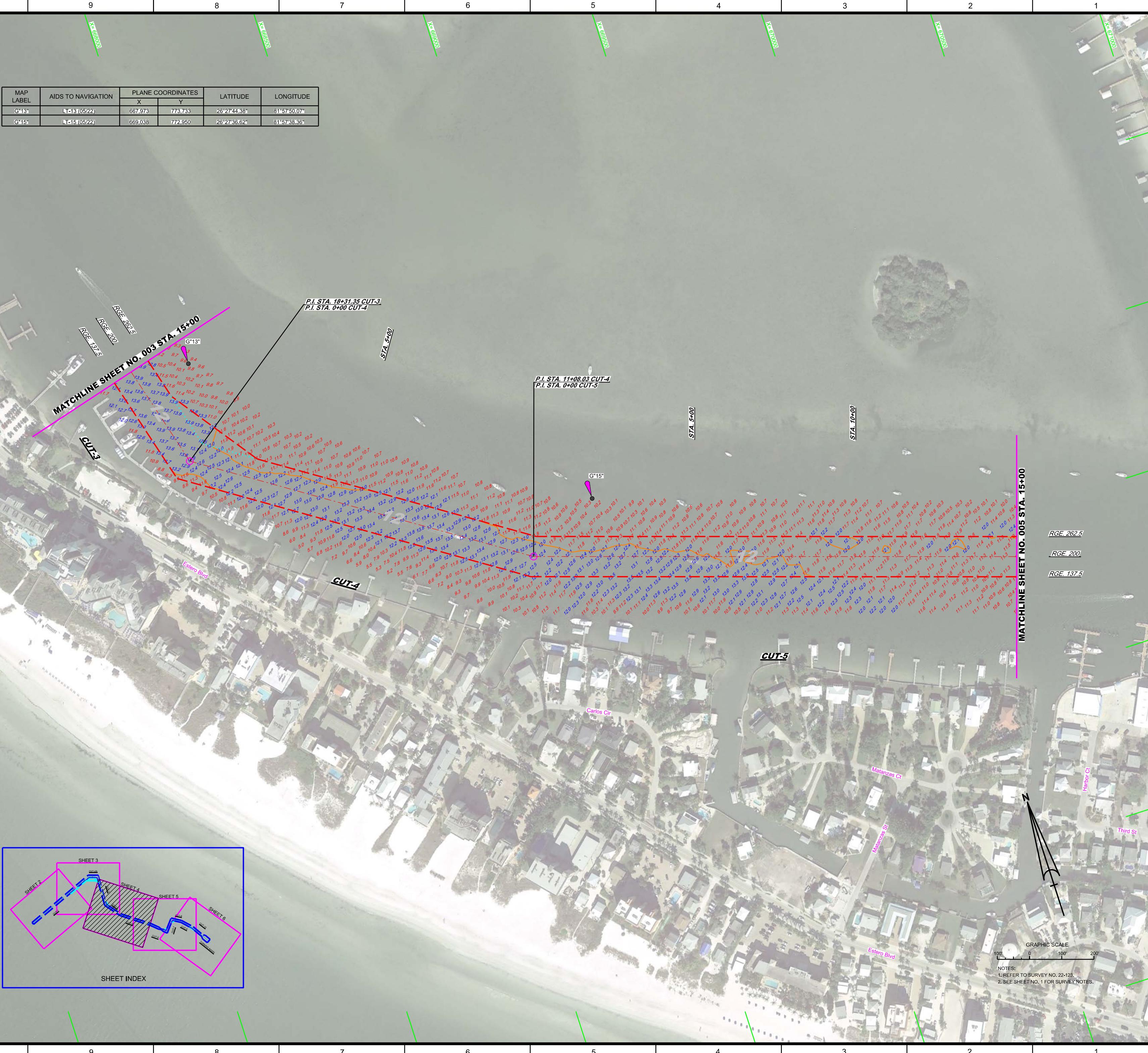
No.	Symbol	Zone
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		





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MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G'13"	L1-13 (05/22)	667.973	773.733	26°27'44.38"	81°57'50.07"
G'15"	L1-15 (05/22)	669.038	772.950	26°27'36.62"	81°57'38.36"



**FORT MYERS BEACH HARBOR
LEE COUNTY, FLORIDA**

**HYDROGRAPHIC EXAM SURVEY FY22
11 & 12-FOOT PROFILE**

STA. 15+00 CUT-5 THRU STA. 4+00 CUT-9

PLAN

Sheet 05 OF 06

Scale: AS SHOWN

Drawing no.

5

Graphic Scale
100' 0' 100' 200'

NOTES:
1. REFER TO SURVEY NO. 22-123.
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Scale: 1:2000000

File name:

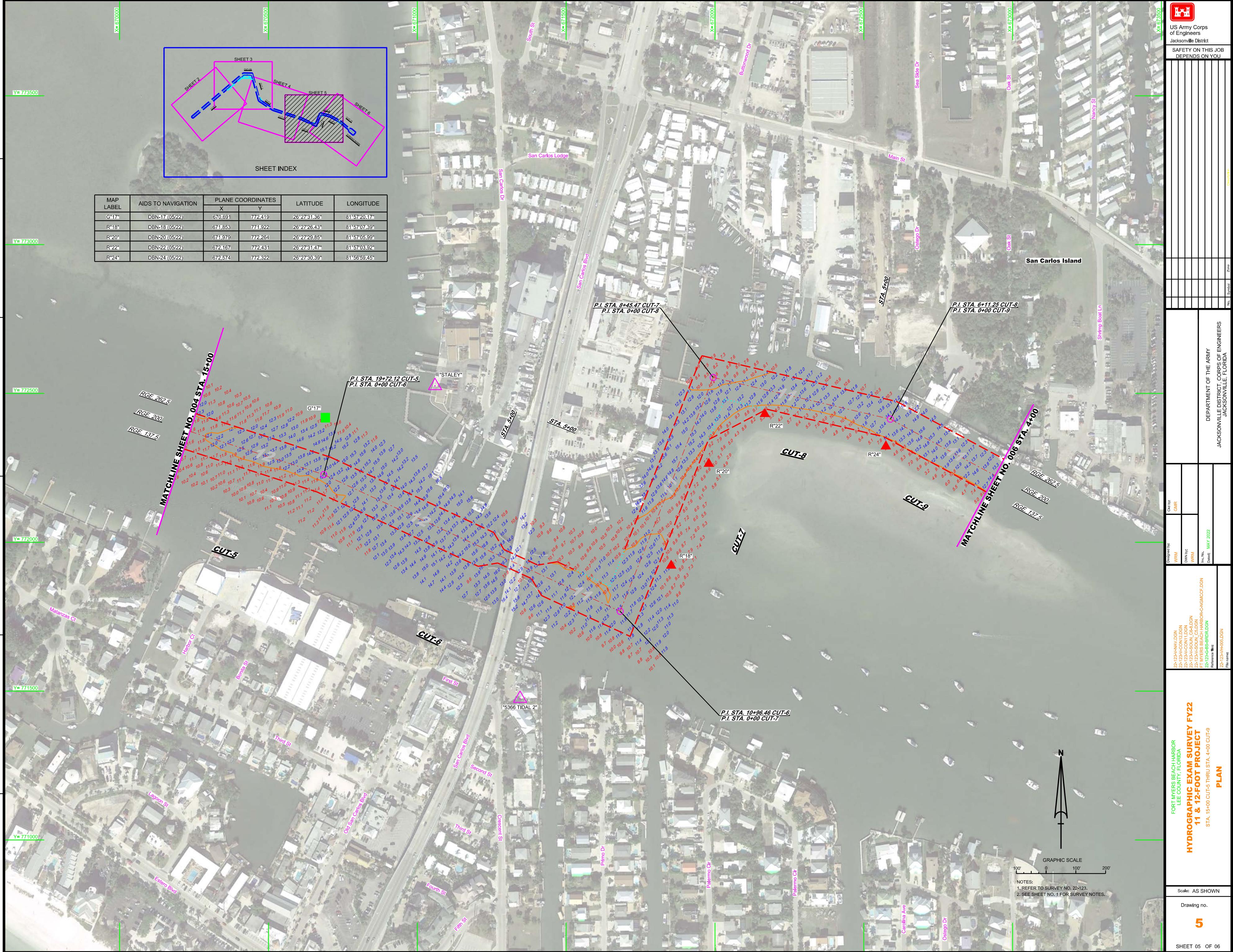
22-123W.DGN

Reference file name:

22-123W.DGN

Page No.:

1





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