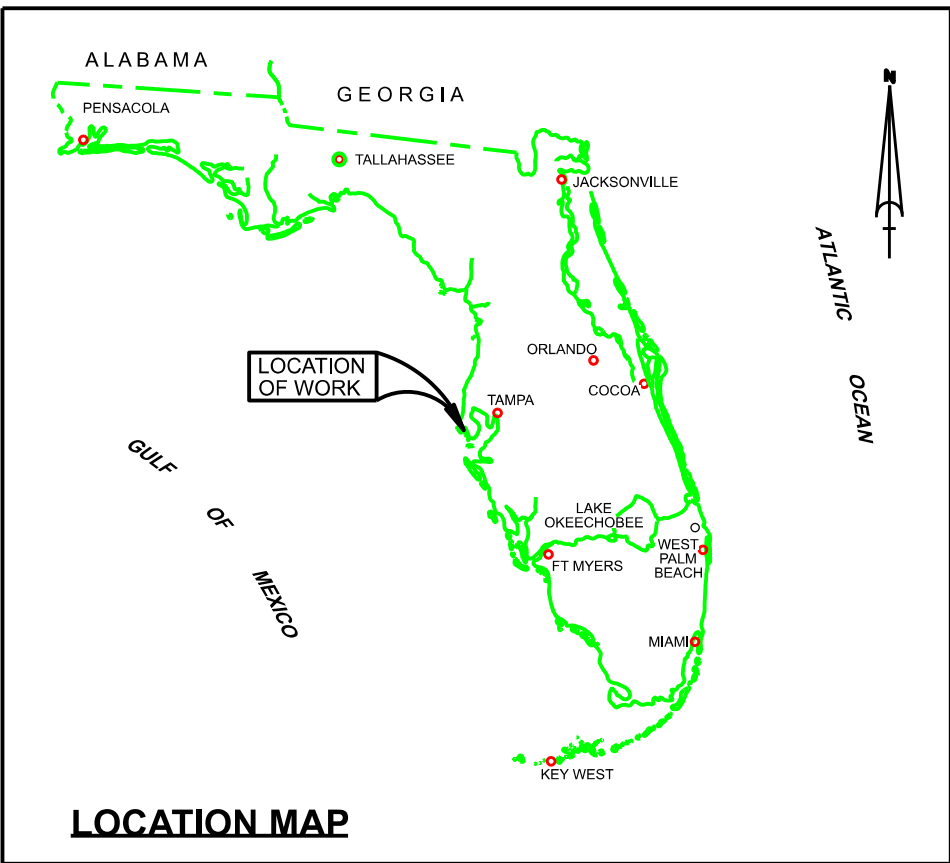
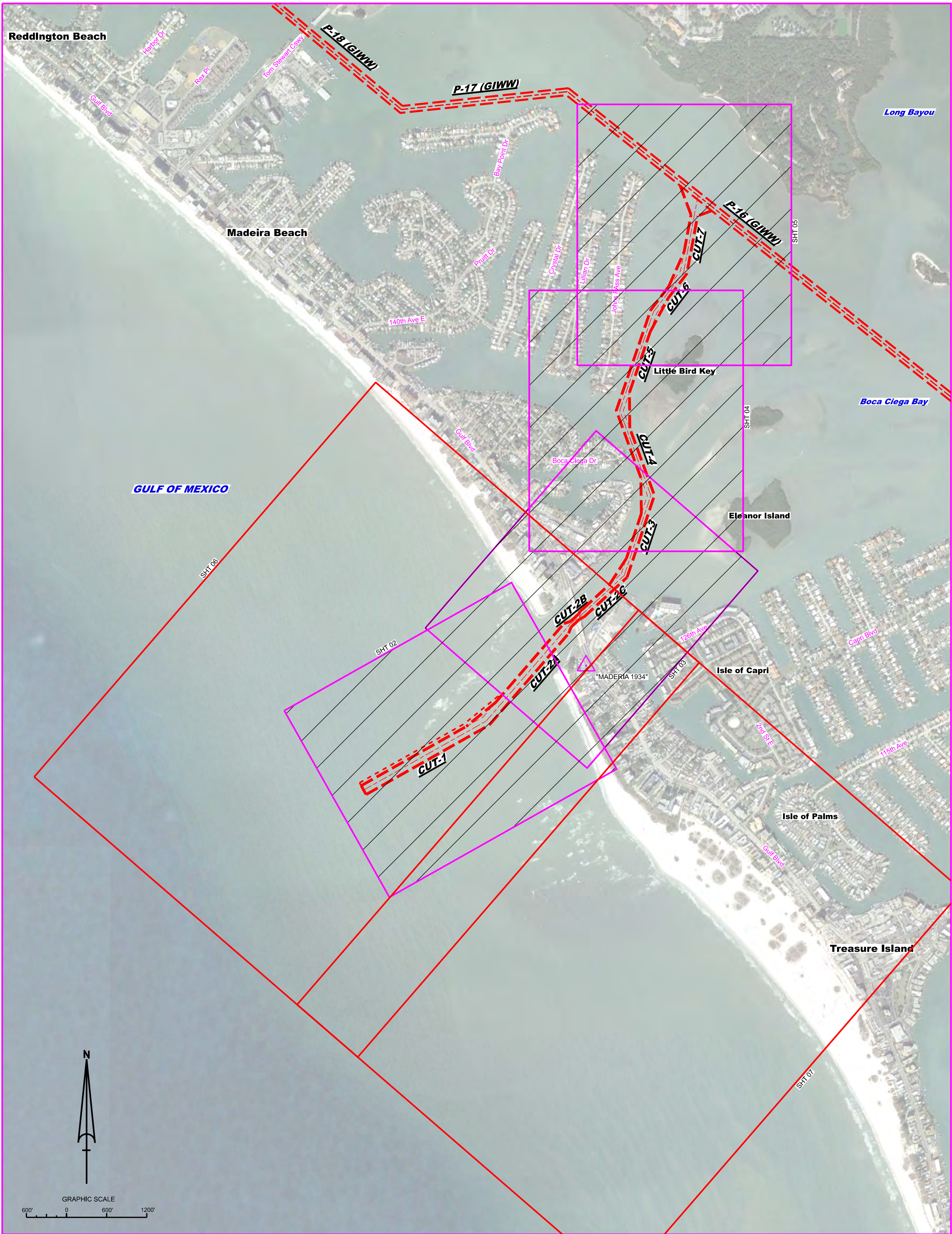




JOHNS PASS PINELLAS COUNTY, FLORIDA HYDROGRAPHIC EXAM SURVEY FY25 6, 8 AND 10-FOOT PROJECT & BORROW AREA AND EBB SHOAL

SURVEY NOTES

- REFER TO SURVEY NO. 25-029.
- DEPTHS DEPICTED BY THIS SURVEY ARE REFERENCED TO MLLW, TIDAL EPOCH 1983-2001, AS REPORTED BY THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA).
- NOAA'S VDUTUM MODEL, AND PUBLISHED TIDE STATION DATA, WERE USED TO GENERATE A HYPACK KINEMATIC TIDE DATUM (KTD) MODEL, WHICH WAS USED TO CONVERT BETWEEN NAVD88 AND MLLW. THIS KTD MODEL, BEING A COMBINATION OF THOSE TWO SOURCES, CANNOT BE CONSIDERED EQUIVALENT TO THE VDUTUM MODEL DUE TO POSSIBLE ADDITIONS OR EDITS. DO NOT USE VDUTUM IN PLACE OF THE KTD FILE. THE KTD MODEL USED FOR THIS SURVEY WAS:

"SPC-FL-WEST-2010-12-07.KTD"
- CONVERSIONS FROM THE GPS-DERIVED ELLIPSOID HEIGHTS TO NAVD88 WAS ACHIEVED VIA THE NOAA GEOID MODEL "GEOID18".
- TIDAL REDUCTIONS WERE OBTAINED UTILIZING A 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 NOAA TIDE GAGE SITE SPECIFIED BELOW:

AREA SURVEYED	TIDE GAGE	VERTICAL CALIBRATION BM
ALL AREAS	STATION 872 6574	209 2 RESET (COE PID: CM7426)

- 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), ADJUSTMENT OF 2011.
- ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
- THIS SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC (RTK) GPS POSITIONING. TRIMBLE'S REAL-TIME EXTENDED (RTX) CORRECTION SERVICE WAS UTILIZED. CORRECTIONS WERE VERIFIED BY AN RTK CHECK IN-OUT ESTABLISHED FROM THE FOLLOWING REFERENCE BASE LOCATION:

AREA SURVEYED	RTK BASE LOCATION
ENTIRE PROJECT	MADERIA (COE PID: 6938)

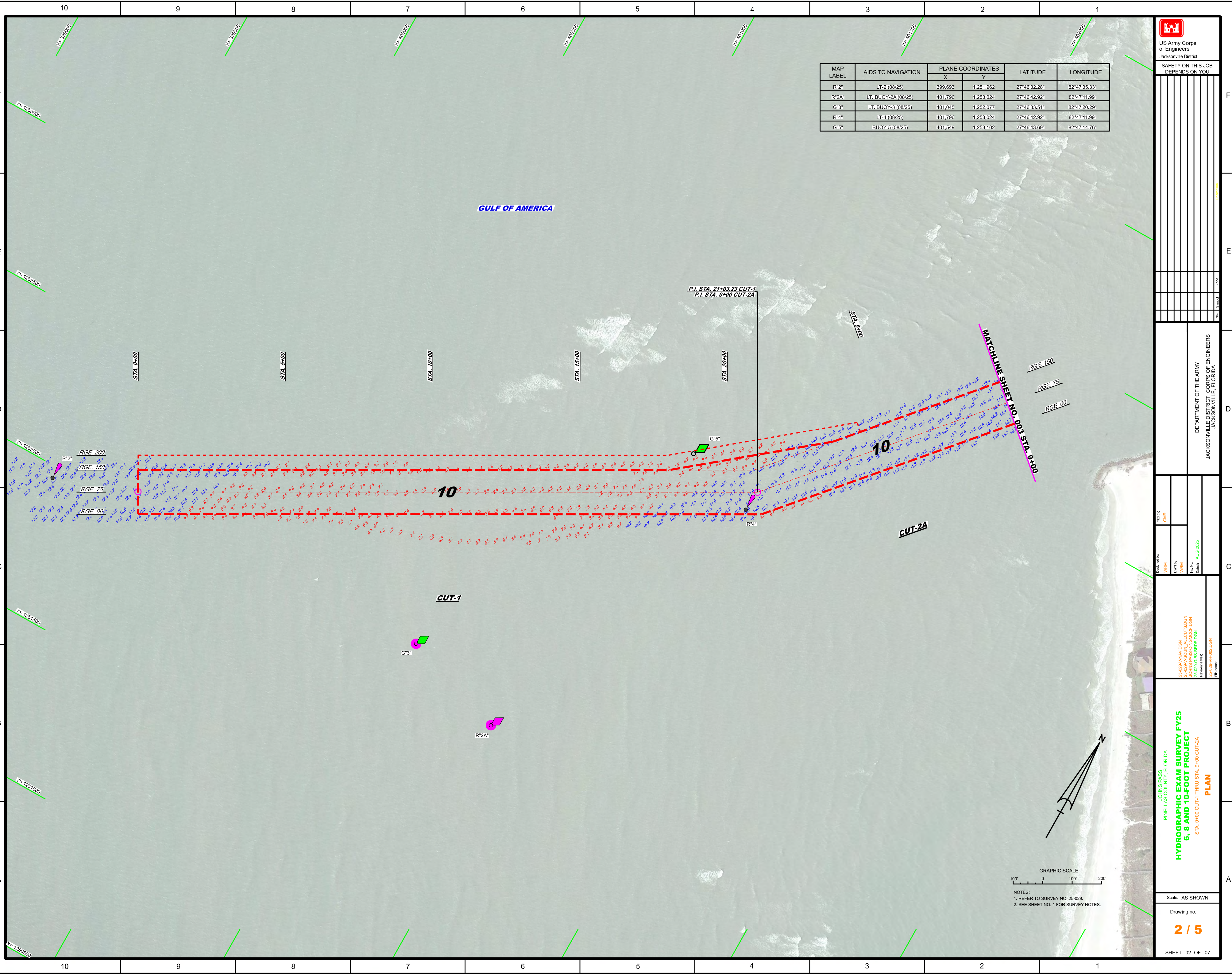
- VERTICAL MEASUREMENTS WERE MADE USING A RESON T50P MULTI-BEAM SYSTEM ANDAN ODOM E20 ECHOTRAC WITH A DUAL-FREQUENCY TRANSDUCER. ALL SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.
- SURVEY ACCURACY PERFORMANCE STANDARDS, QUALITY CONTROL, AND QUALITY ASSURANCE REQUIREMENTS WERE FOLLOWED DURING THIS SURVEY IN ACCORDANCE WITH USACE EM 1110-2-1003, HYDROGRAPHIC SURVEYING, 30 NOV 2013 AND EM 1110-2-6056, STANDARDS AND PROCEDURES FOR REFERENCING PROJECT ELEVATION GRADES TO NATIONWIDE VERTICAL DATUMS, 31 DEC 2010.

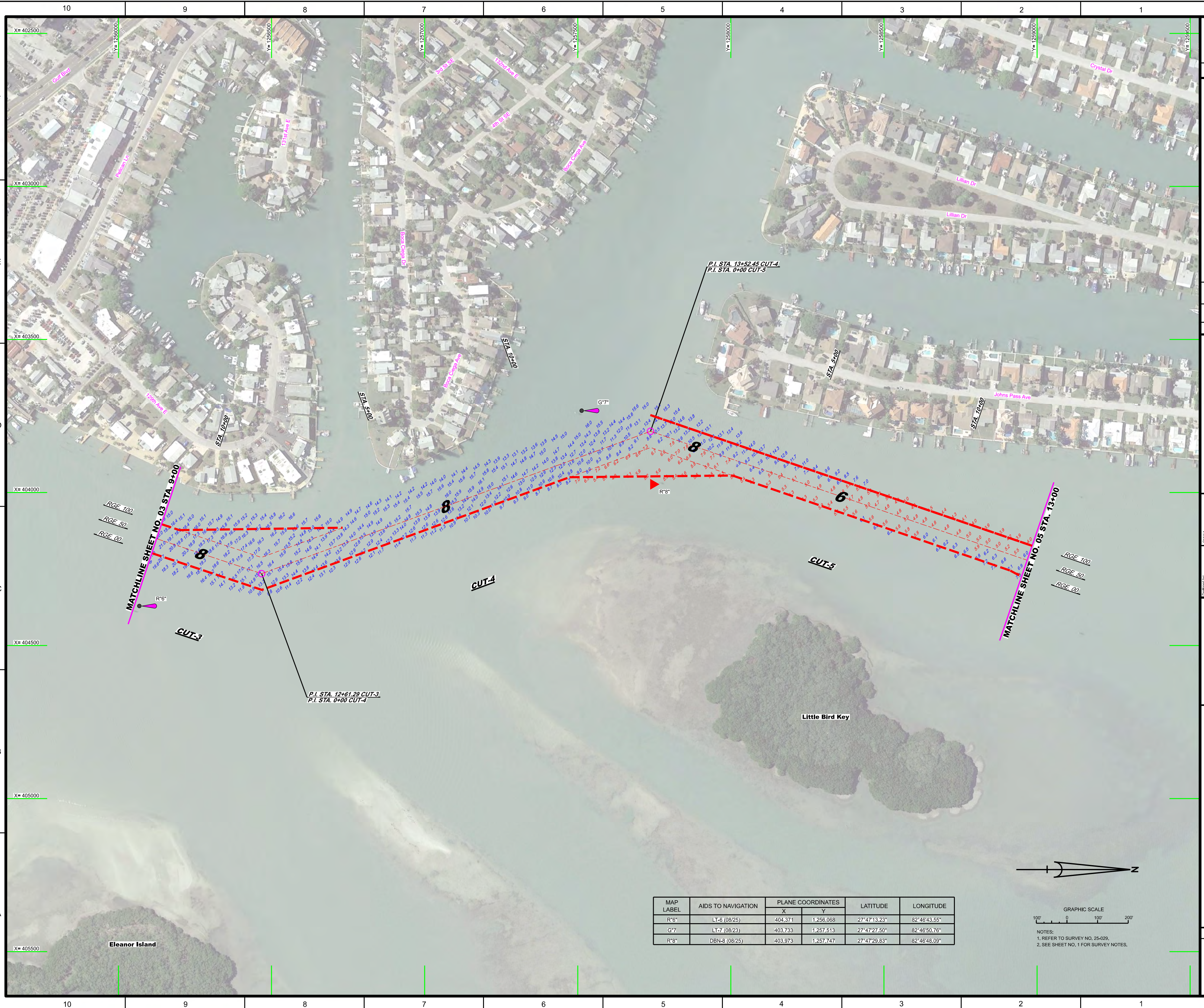
LEGEND	
	MONUMENT
	LIGHTED BEACON
	GREEN DAY BEACON
	RED DAY BEACON
	RED LIGHTED BUOY
	GREEN LIGHTED BUOY
	CAN BUOY
	NUN BUOY
	TIDE STAFF
	PROJECT DEPTH

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

Contract No.	6938
Designated by	WRM
Drawn by	WRM
File No.	25-029-H401.DGN
Revision	1
Scale	AS SHOWN
Drawing no.	1 / 5
SHEET	01 OF 07

JOHNS PASS
PINELLAS COUNTY, FLORIDA
HYDROGRAPHIC EXAM SURVEY FY25
6, 8 AND 10-FOOT PROJECT
INDEX, LOCATION AND VICINITY
MAP





MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R*6	LT-6 (08/25)	404,371	1,256,068	27°47'13.23"	82°46'43.55"
G*7	LT-7 (08/23)	403,733	1,257,513	27°47'27.50"	82°46'50.76"
R*8	DBN-8 (08/25)	403,973	1,257,747	27°47'29.83"	82°46'48.09"

GRAPHIC SCALE



A horizontal scale bar with tick marks. The labels are 100', 0, 100', and 20'.

NOTES:
1. REFER TO SURVEY NO. 25-029.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

[illegible]

