

SHEET INDEX



LOCATION MAP

# KEY WEST HARBOR MONROE COUNTY, FLORIDA HYDROGRAPHIC EXAM SURVEY FY19 12, 26, 30 AND 34-FOOT PROJECT

**SURVEY NOTES**

- REFER TO SURVEY NO. 19-140.
- ELEVATIONS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER (MLLW) TIDAL DATUM.
- TIDAL REDUCTIONS WERE OBTAINED UTILIZING REAL-TIME KINEMATIC (RTK) GPS AND REFERENCED TO MLLW UTILIZING A HYPACK KINEMATIC TIDE DATUM (KTD) MODEL. KTD FILE NAME IS: "BROWARD-MIAMIDADE-MONROE-COLLIER\_2018 05 02.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 NORTH AMERICAN DATUM OF 1983 (NAD83).
- ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
- 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 VDUTUM MODEL WAS USED TO CALIBRATE TO THE PUBLISHED MLLW HEIGHTS OF THE BENCHMARKS BELOW:  
NOAA TIDAL STATION 872-4580, KEY WEST, FLORIDA (PID: AA1753)
- THIS SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC (RTK) GPS POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATION:  
REFERENCE BASE LOCATED AT "KH-04" (PID: BBCE03)
- VERTICAL MEASUREMENTS WERE MADE USING A R2SONIC 2026 MULTI-BEAM FREQUENCY SOUNDER WITH A 28/200 KHZ SINGLE-BEAM TRANSDUCER. ALL SOUNDINGS SHOWN ARE IN HIGH FREQUENCY. A SEPARATE MAP SHEET ALSO SHOWS TRUMAN HARBOR IN LOW FREQUENCY.  

VESSEL	DATE OF SURVEY	CUT
S/V FLORIDA II	22 AUG 2019	MAIN SHIP CH. STA. 0+00 - 90+00
S/V FLORIDA II	23 AUG 2019	MAIN SHIP CH. STA. 90+00 - 180+00, CUTS A & B
S/V FLORIDA II	25 AUG 2019	MAN OF WAR CHANNEL, CUT-C AND TRUMAN HARBOR
S/V FLORIDA II	26 AUG 2019	TURNING BASIN
S/V FLORIDA II	27 AUG 2019	CUTS 1 - 3, KWB TURNING BASIN
- 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 13.

LEGEND	
	BENCHMARK
	LIGHTED BEACON
	GREEN DAYBEACON
	RED DAYBEACON
	RED LIGHTED BUOY
	GREEN LIGHTED BUOY
	CAN BUOY
	NUN BUOY
	TIDE STAFF
	PROJECT DEPTH

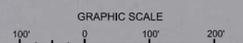
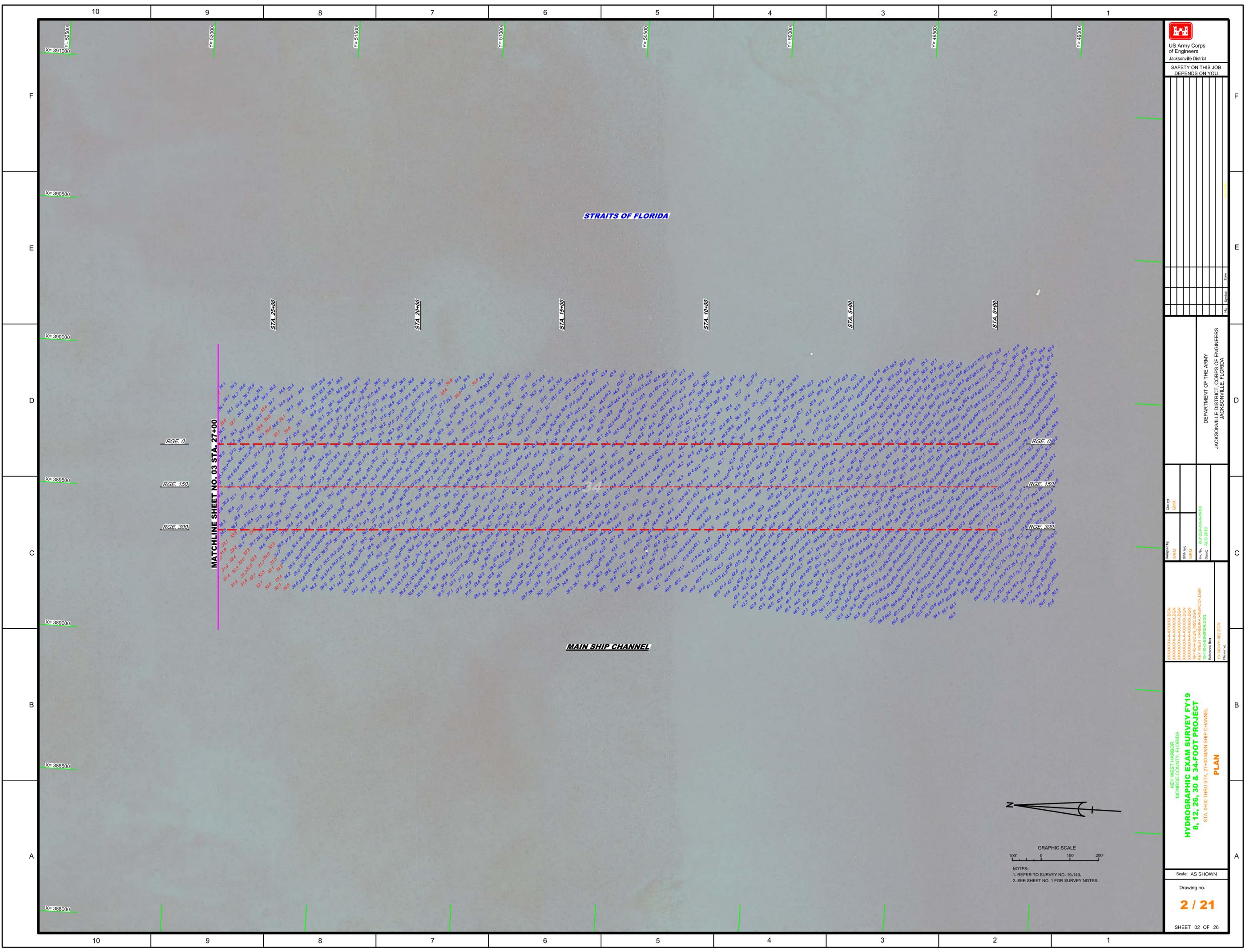
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Jacksonville District  
SAFETY ON THIS JOB  
DEPENDS ON YOU

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

DESIGNED BY: WRM  
DRAWN BY: WRM  
CHECKED BY: WRM  
DATE: AUG 2019

KEY WEST HARBOR  
MONROE COUNTY, FLORIDA  
HYDROGRAPHIC EXAM SURVEY FY19  
8, 12, 26, 30 & 34-FOOT PROJECT  
INDEX, LOCATION AND VICINITY MAP

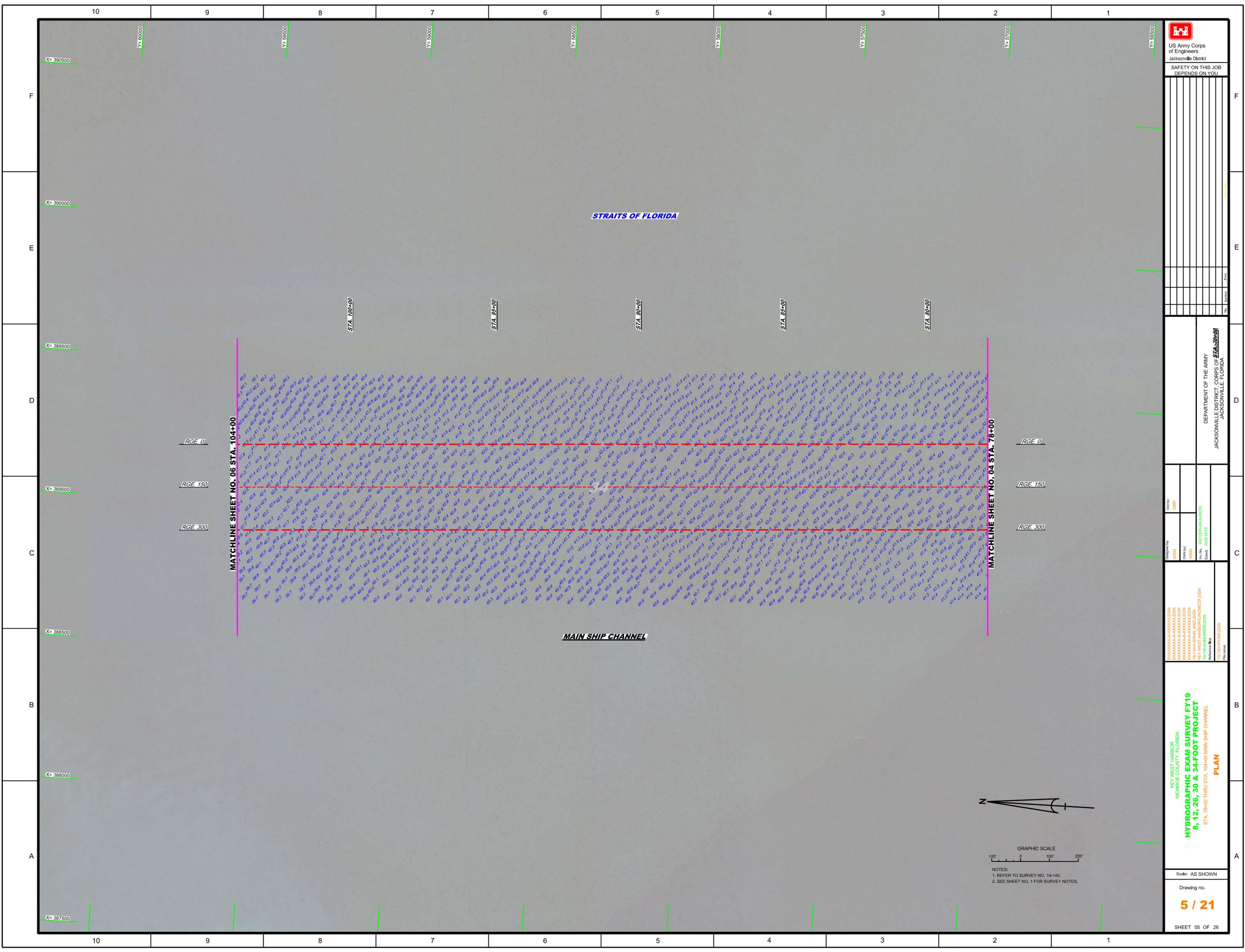
Scale: AS SHOWN  
Drawing no.  
**1 / 21**  
SHEET 01 OF 26



NOTES:  
1. REFER TO SURVEY NO. 19-140.  
2. SEE SHEET NO. 1 FOR SURVEY NOTES.







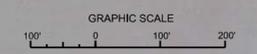

  
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Designed by: **WRM**  
 Checked by: **GHR**  
 Drawn by: **WRM**  
 Title: **KEY WEST HARBOR EXAM SURVEY FY19**  
 Date: **AUG 2019**

KEY WEST HARBOR  
 MONROE COUNTY, FLORIDA  
**HYDROGRAPHIC EXAM SURVEY FY19**  
**8, 12, 26, 30 & 34-FOOT PROJECT**  
 STA. 78+00 THRU STA. 104+00 MAIN SHIP CHANNEL  
**PLAN**

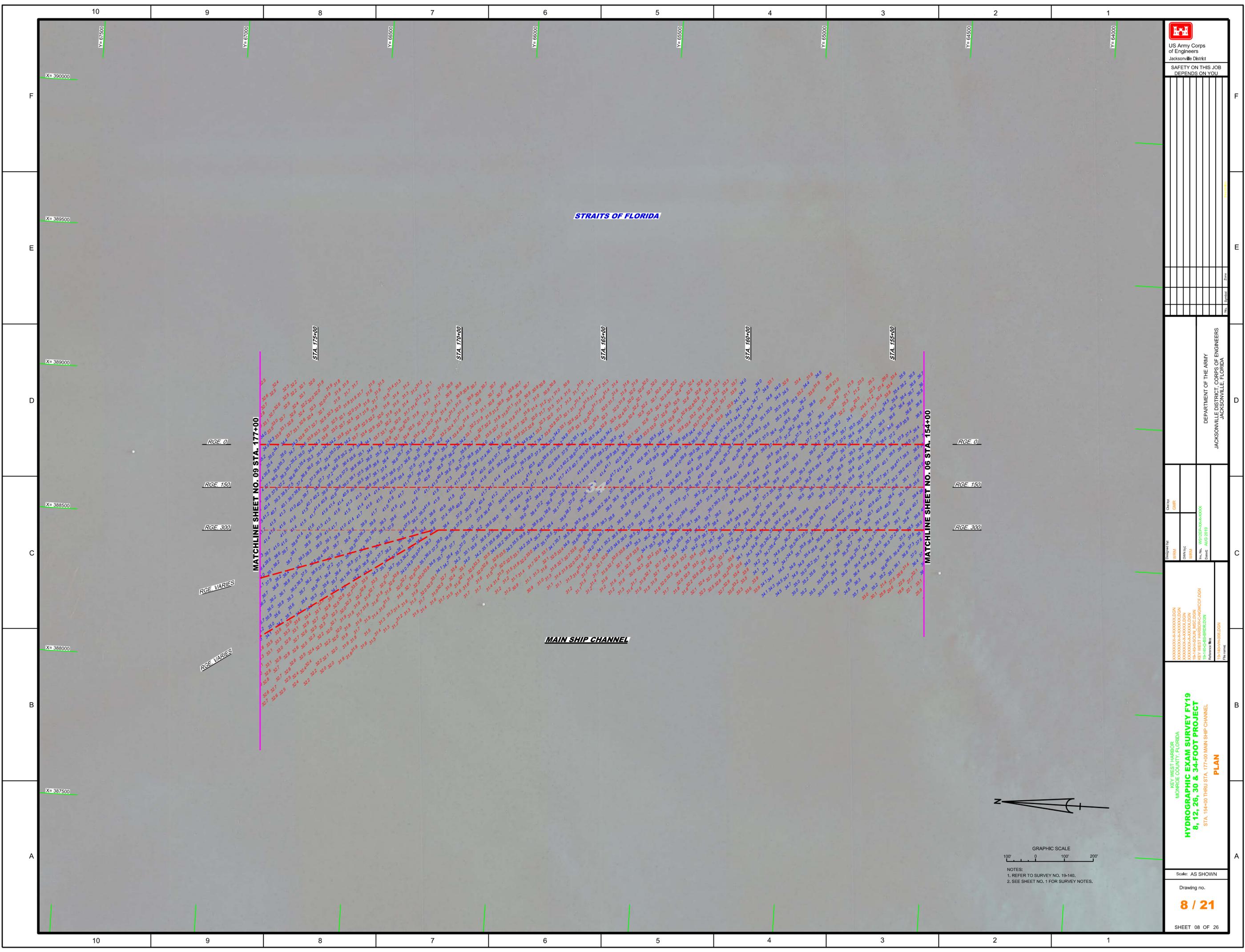
Scale: AS SHOWN  
 Drawing no.  
**5 / 21**  
 SHEET 05 OF 26



NOTES:  
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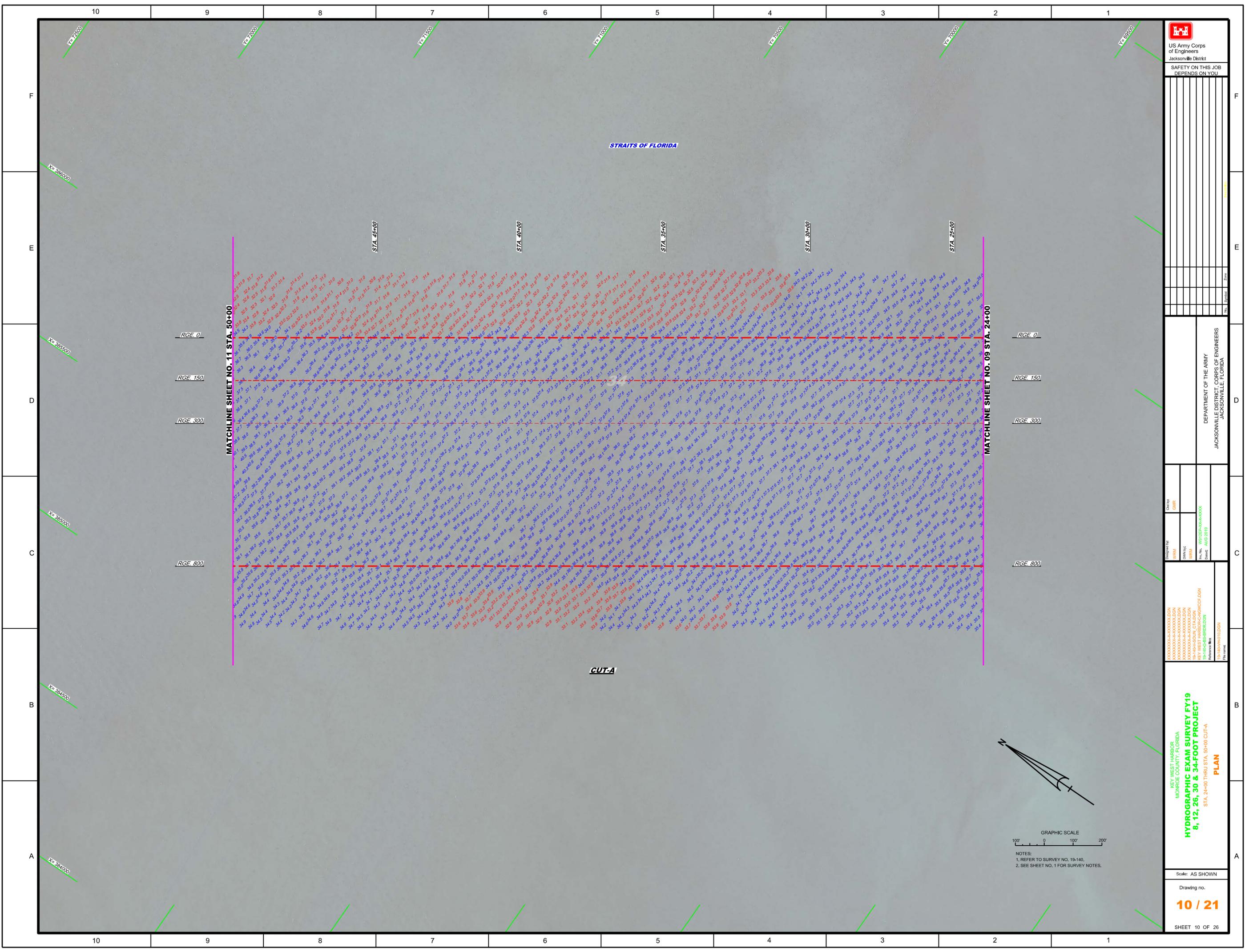
KEY WEST HARBOR  
 MONROE COUNTY, FLORIDA  
**HYDROGRAPHIC EXAM SURVEY FY19**  
**8, 12, 26, 30 & 34-FOOT PROJECT**  
 STA. 154+00 THRU STA. 177+00 MAIN SHIP CHANNEL  
**PLAN**

Scale: AS SHOWN  
 Drawing no.  
**8 / 21**  
 SHEET 08 OF 26



GRAPHIC SCALE  
 100' 0 100' 200'  
 NOTES:  
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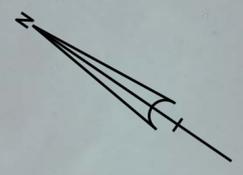
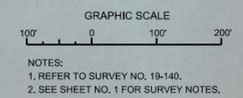

  
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**KEY WEST HARBOR**  
**MONROE COUNTY, FLORIDA**  
**HYDROGRAPHIC EXAM SURVEY FY19**  
**8, 12, 26, 30 & 34-FOOT PROJECT**  
**STA. 24+00 THRU STA. 50+00 CUT-A**  
**PLAN**

Scale: AS SHOWN  
 Drawing no.  
**10 / 21**  
 SHEET 10 OF 26



**CUT-A**

MATCHLINE SHEET NO. 11 STA. 50+00

MATCHLINE SHEET NO. 09 STA. 24+00

RGE. 0  
 RGE. 150  
 RGE. 300  
 RGE. 800

RGE. 0  
 RGE. 150  
 RGE. 300  
 RGE. 800

STRAITS OF FLORIDA

STA. 45+00

STA. 40+00

STA. 35+00

STA. 30+00

STA. 25+00

F  
 E  
 D  
 C  
 B  
 A

F  
 E  
 D  
 C  
 B  
 A

10 9 8 7 6 5 4 3 2 1  
 10 9 8 7 6 5 4 3 2 1

