

NEW PASS SARASOTA COUNTY, FLORIDA HYDROGRAPHIC EXAM SURVEY FY18 8 AND 10-FOOT PROJECT

SURVEY NOTES

- REFER TO SURVEY NO. 18-066.
 - SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO NOAA'S REPORTED MEAN LOWER LOW WATER (MLLW) OF THE 1983-2001 TIDAL EPOCH.
 - 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 LOCATION:
REFERENCE BASE LOCATED AT "TWSA-96" (PID: BBDG39)
 - 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 VDATUM MODEL WAS USED AND CALIBRATED TO THE PUBLISHED MLLW HEIGHTS OF THE BENCHMARKS ASSOCIATED WITH THE TIDE GAUGE SITES SPECIFIED BELOW:
NOAA TIDAL STATION 872-6083 USED FOR ALL CUTS. (PID: AG7713)
VERTICAL MEASUREMENTS WERE MADE USING AN EDGETECH MODEL 6205 INTERFEROMETRIC SYSTEM OPERATING AT 500-800 KHZ AND A ROSS SMARTSOUNDER MODEL 835C DUAL-FREQUENCY 230/200 KHZ SINGLE-BEAM TRANSDUCER. ALL SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.
- | VESSEL | DATE OF SURVEY | CUT |
|--------|----------------|--------------------------|
| SB-44 | 04 OCT 2018 | CUTS 3-5 |
| SB-50 | 26 SEP 2018 | CUT-1 EXTENSION |
| SB-50 | 07-08 NOV 2018 | CUTS 1-2 & C-6 THRU T.B. |
- 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 | |
|--------|--------------------|
| | GPS 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

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DEPENDS ON YOU

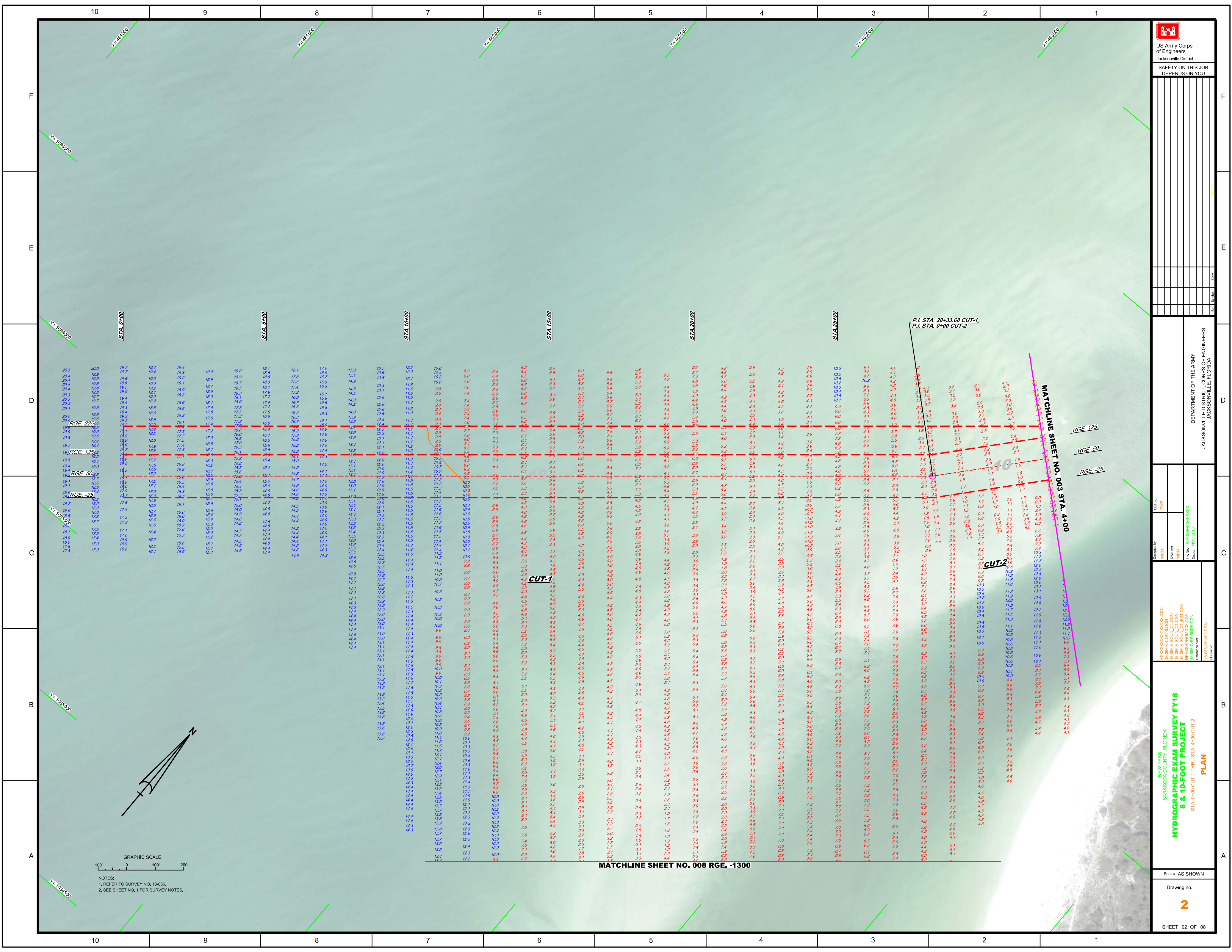
DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

NEW PASS
SARASOTA COUNTY, FLORIDA
**HYDROGRAPHIC EXAM SURVEY FY18
8 & 10-FOOT PROJECT**
INDEX, LOCATION AND VICINITY
MAP

Scale: AS SHOWN

Drawing no.
1

SHEET 01 OF 08



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

Drawn by: GHR
Checked by: GHR
Designed by: WRM
DWG No: WRM
File No: WRM
Date: NOV 2018

XXXXXXXXXXXXXXXXXXXX
SARASOTA COUNTY, FLORIDA
18-066A-SOUL_CUTDOWN
18-066A-SOUL_CUTDOWN
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18-066A-SOUL_CUTDOWN
18-066A-SOUL_CUTDOWN
18-066A-SOUL_CUTDOWN
18-066A-SOUL_CUTDOWN
18-066A-SOUL_CUTDOWN

HYDROGRAPHIC EXAM SURVEY FY18
8 & 10-FOOT PROJECT
STA. 0+00 CUT-1 THRU STA. 4+00 CUT-2

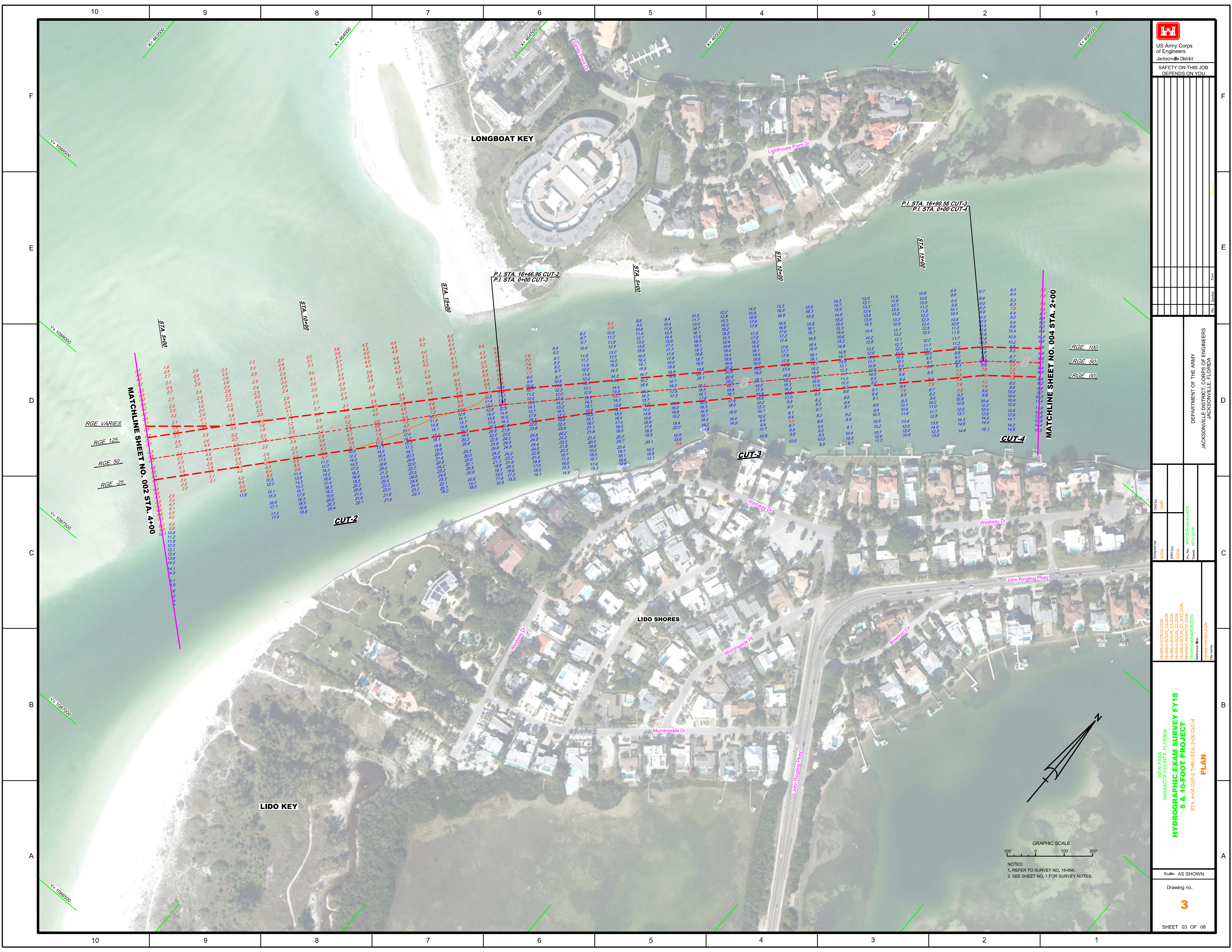
PLAN

Scale: AS SHOWN
Drawing no. **2**
SHEET 02 OF 08

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 18-066.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

MATCHLINE SHEET NO. 008 RGE. -1300




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 Jacksonville District
 SAFETY ON THIS JOB
 DEPENDS ON YOU

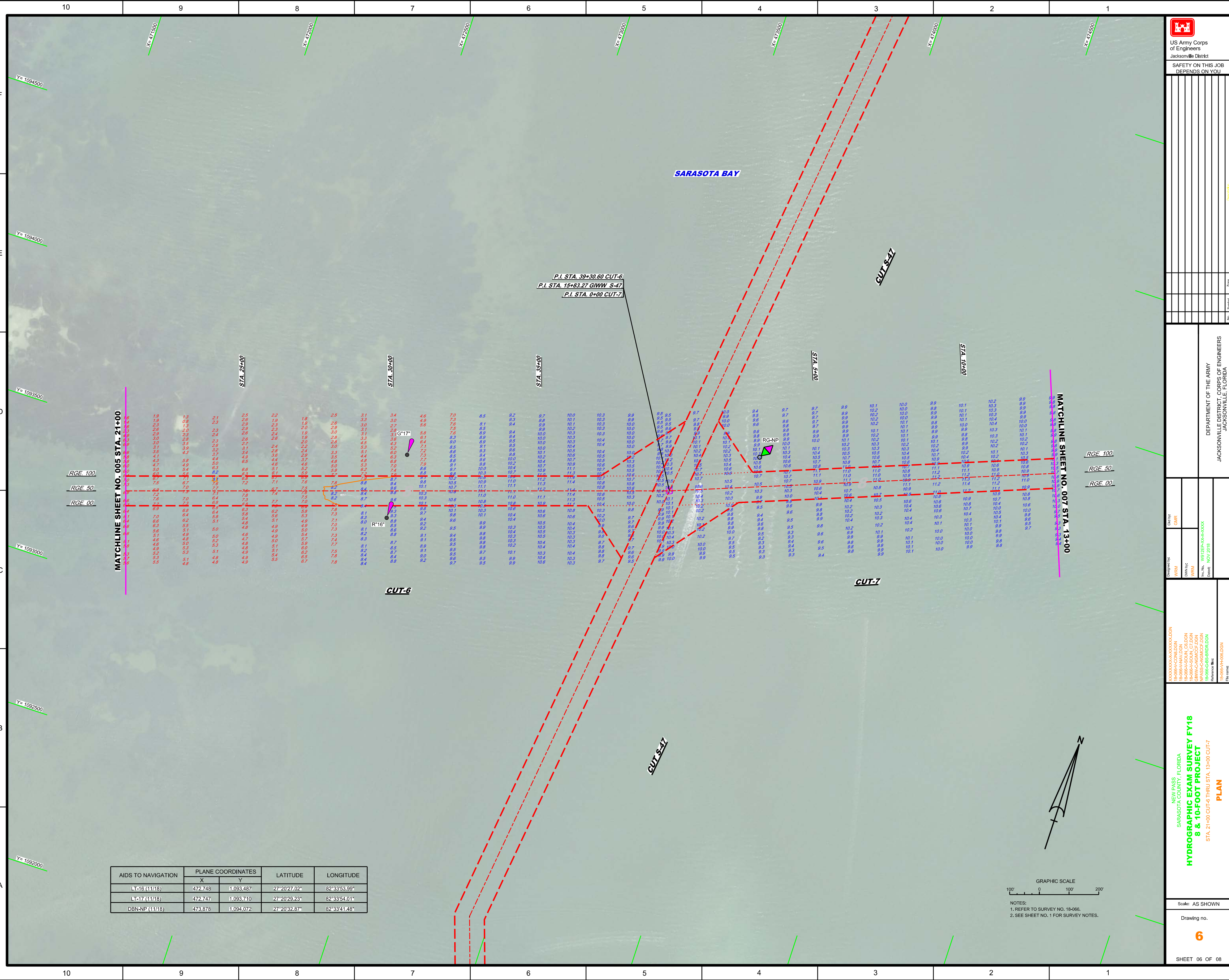
DEPARTMENT OF THE ARMY
 JACKSONVILLE DISTRICT CORPS OF ENGINEERS
 JACKSONVILLE, FLORIDA

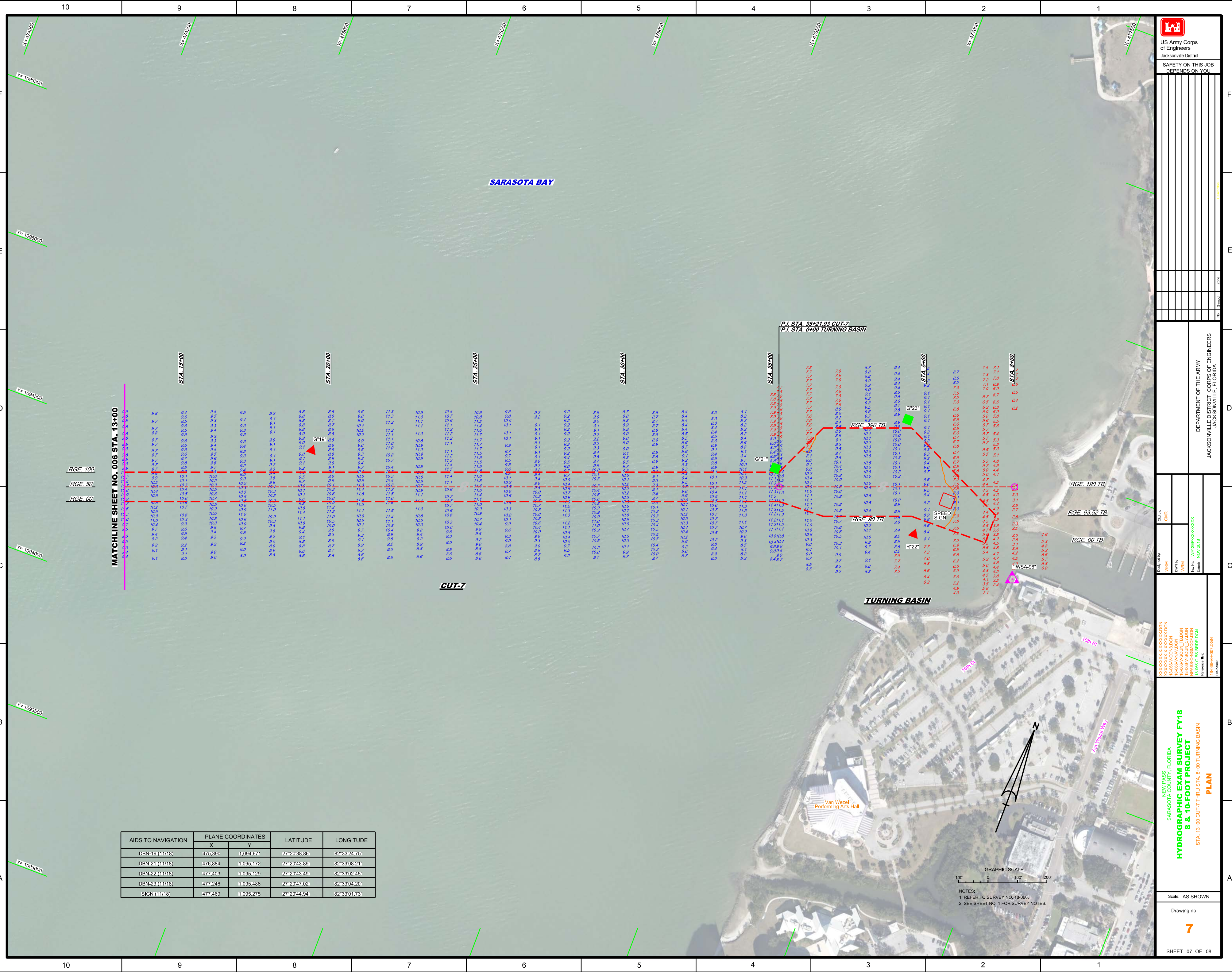
Check By: GHR
 Designed By: WRM
 Drawn By: WRM
 File No: W18255A-000-000-000
 Date: NOV 2018

NEW PASS
 SARASOTA COUNTY, FLORIDA
HYDROGRAPHIC EXAM SURVEY FY18
8 & 10-FOOT PROJECT
 STA. 4+00 CUT-2 THRU STA. 2+00 CUT-4
PLAN

Scale: AS SHOWN
 Drawing no. **3**
 SHEET 03 OF 08

GRAPHIC SCALE
 100' 0 100' 200'
 NOTES:
 1. REFER TO SURVEY NO. 18-066.
 2. SEE SHEET NO. 1 FOR SURVEY NOTES.





| AIDS TO NAVIGATION | PLANE COORDINATES | | LATITUDE | LONGITUDE |
|--------------------|-------------------|-----------|--------------|--------------|
| | X | Y | | |
| DBN-19 (11/18) | 475.390 | 1,094,671 | 27°20'38.86" | 82°33'24.75" |
| DBN-21 (11/18) | 476.884 | 1,095,172 | 27°20'43.89" | 82°33'08.21" |
| DBN-22 (11/18) | 477.403 | 1,095,129 | 27°20'43.49" | 82°33'02.45" |
| DBN-23 (11/18) | 477.246 | 1,095,486 | 27°20'47.02" | 82°33'04.20" |
| SIGN (11/18) | 477.469 | 1,095,275 | 27°20'44.94" | 82°33'01.73" |

GRAPHIC SCALE
100' 0 100' 200'
NOTES:
1. REFER TO SURVEY NO. 15-056.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

MATCHLINE SHEET NO. 006 STA. 13+00

P.I. STA. 35+21.93 CUT-7
P.I. STA. 0+00 TURNING BASIN

STA. 15+00

STA. 20+00

STA. 25+00

STA. 30+00

STA. 35+00

STA. 40+00

STA. 45+00

RGE. 100
RGE. 50
RGE. 00

CUT-7

TURNING BASIN

Van Wezel
Performing Arts Hall



