

# ST AUGUSTINE INLET FLOOD SHOAL ST JOHNS COUNTY, FL EXAMINATION SURVEY FY16

### SURVEY NOTES

- REFER TO SURVEY NO. 16-021.
- SOUNDINGS ARE IN FEET AND TENTHS AND ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
- 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).
- THIS SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC (RTK) GPS POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATIONS:  
REFERENCE BASE LOCATED AT "RAMP RESET" (PID: BBCB11)
- VERTICAL MEASUREMENTS WERE MADE USING A ROSS SMARTSOUNDER 835B DUAL-FREQUENCY 28/200 KHZ TRANSDUCER. ALL SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.
- VESEL                      DATE OF SURVEY                      CUT  
SB-48                      28-29 JAN 2016                      FLOOD SHOAL  
SB-40                      11 FEB 2016                      FLOOD SHOAL
- 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	
	MONUMENT
	LIGHTED BEACON
	GREEN DAYBEACON
	RED DAYBEACON
	RED LIGHTED BUOY
	GREEN LIGHTED BUOY
	CAN BUOY
	NUN BUOY
	TIDE STAFF
	PROJECT DEPTH

BOUNDARY ID	PLANE COORDINATES	
	X	Y
A	558,256.43	2,024,021.45
B	558,849.08	2,025,130.16
C	560,112.09	2,026,725.11
D	559,801.19	2,027,341.70
E	559,636.26	2,029,468.94
F	561,440.61	2,029,701.64
G	563,533.23	2,024,790.49
H	560,520.02	2,023,681.79
I	559,565.88	2,022,729.68


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Checked By: GHR	Designed By: WRM	Drawn By: WRM	File No: W8225A-000-0000	Date: FEB 2016
INTRACOASTAL WATERWAY JACKSONVILLE TO MIAMI, FLORIDA ST. JOHNS COUNTY <b>ST AUGUSTINE FLOOD SHOAL          EXAMINATION SURVEY FY16</b> INDEX, LOCATION AND VICINITY MAP				
Scale: AS SHOWN				
Drawing no. <b>1</b>				
SHEET 01 OF 05				

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT BUOY-57A (0216)	561.321	2,029.018	29°54'52.78"	81°17'57.75"
RNB-58 (0216)	560.894	2,028.962	29°54'52.22"	81°18'02.60"
LT-58A (0216)	561.617	2,027.885	29°54'41.57"	81°17'54.35"
SIGN (0216)	561.095	2,029.631	29°54'58.84"	81°18'00.33"
SIGN (0216)	560.754	2,030.618	29°55'08.61"	81°18'04.23"



- NOTES:  
 1. REFER TO SURVEY NO. 16-021.  
 2. SEE SHEET NO. 1 FOR SURVEY NOTES.



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

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Client: GHR  
 Designer: WRM  
 DWN: PFC  
 WRM: WRM  
 Date: FEB 2016

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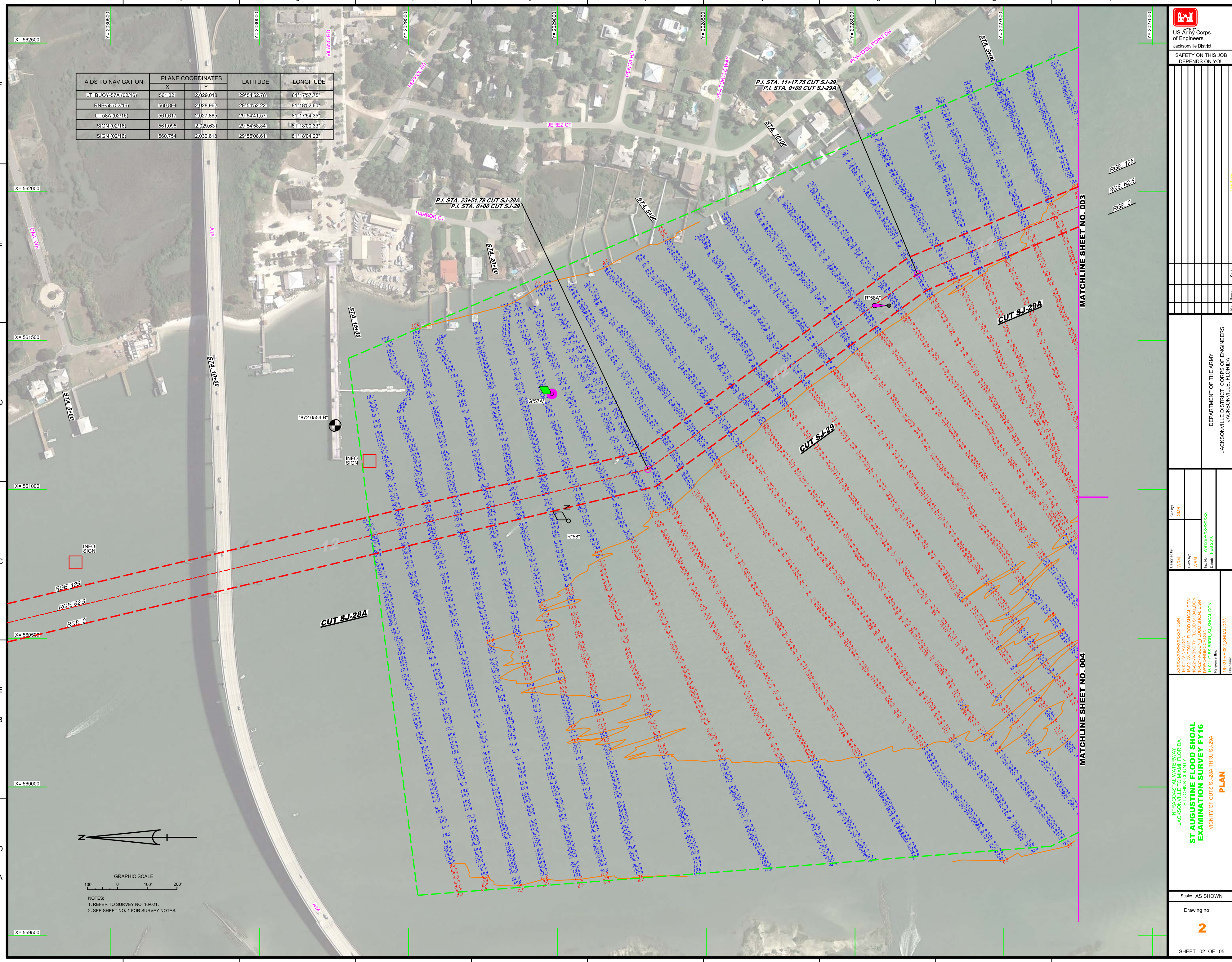
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 16-021-A-0012 FLOOD SHOAL DON  
 16-021-B-0012 FLOOD SHOAL DON  
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 16-021-D-0012 FLOOD SHOAL DON  
 16-021-E-0012 FLOOD SHOAL DON  
 16-021-F-0012 FLOOD SHOAL DON  
 16-021-G-0012 FLOOD SHOAL DON  
 16-021-H-0012 FLOOD SHOAL DON  
 16-021-I-0012 FLOOD SHOAL DON  
 16-021-J-0012 FLOOD SHOAL DON  
 16-021-K-0012 FLOOD SHOAL DON  
 16-021-L-0012 FLOOD SHOAL DON  
 16-021-M-0012 FLOOD SHOAL DON  
 16-021-N-0012 FLOOD SHOAL DON  
 16-021-O-0012 FLOOD SHOAL DON  
 16-021-P-0012 FLOOD SHOAL DON  
 16-021-Q-0012 FLOOD SHOAL DON  
 16-021-R-0012 FLOOD SHOAL DON  
 16-021-S-0012 FLOOD SHOAL DON  
 16-021-T-0012 FLOOD SHOAL DON  
 16-021-U-0012 FLOOD SHOAL DON  
 16-021-V-0012 FLOOD SHOAL DON  
 16-021-W-0012 FLOOD SHOAL DON  
 16-021-X-0012 FLOOD SHOAL DON  
 16-021-Y-0012 FLOOD SHOAL DON  
 16-021-Z-0012 FLOOD SHOAL DON

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INTRACOASTAL WATERWAY  
 JACKSONVILLE TO MIAMI, FLORIDA  
 ST. JOHNS COUNTY  
**ST AUGUSTINE FLOOD SHOAL  
 EXAMINATION SURVEY FY16**  
 VICINITY OF CUTS SJ-28A THRU SJ-29A  
**PLAN**

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Scale: AS SHOWN  
 Drawing no. **2**  
 SHEET 02 OF 05



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-1 (0216)	562,547	2,025,632	29°54'19.29"	81°17'43.72"
NUN BUOY-2 (0216)	561,784	2,028,885	29°54'21.78"	81°17'52.40"
LT-2A (0216)	561,266	2,025,450	29°54'17.46"	81°17'58.26"
LT. BUOY-59 (0216)	562,886	2,027,035	29°54'33.19"	81°17'39.91"
LT. BUOY-60 (0216)	562,584	2,026,583	29°54'31.38"	81°17'43.34"



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JACKSONVILLE DISTRICT, CORPS OF ENGINEERS  
JACKSONVILLE, FLORIDA

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Checked By: GHR  
Designed By: WRM  
Drawn By: WRM  
File No: W8225A-000-0004  
Date: FEB 2016

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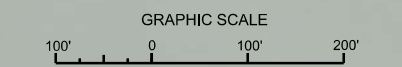
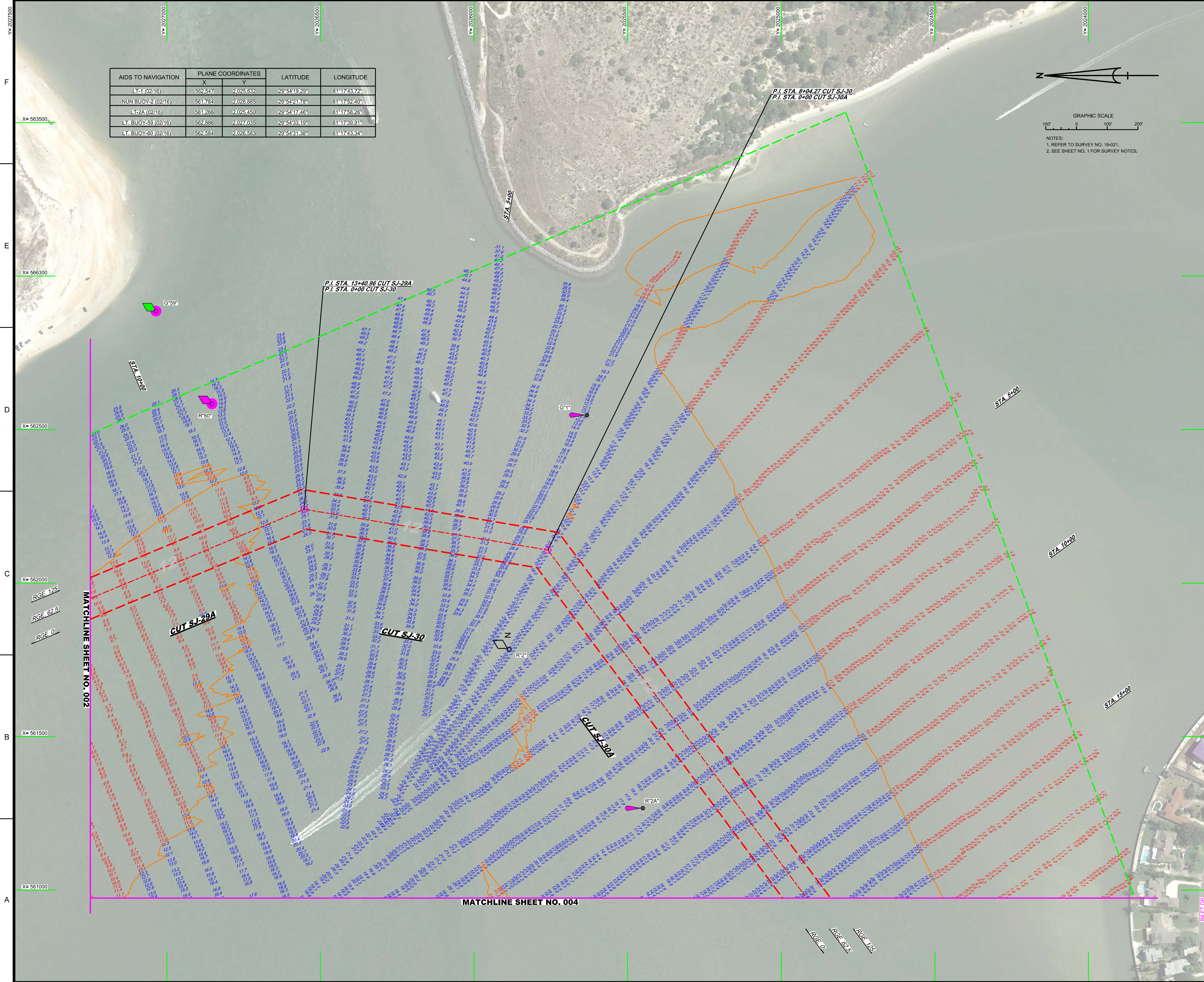
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16-02-FA-CON-12 FLOOD SHOAL DON  
16-02-HANDRY FLOOD SHOAL DON  
16-02-CAROLCE FLOOD SHOAL DON  
16-02-GS-BR-06 SJ SHOAL DON  
Reference Map: 16-02-14-PA-02 SHOAL DON

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INTRACOASTAL WATERWAY  
JACKSONVILLE TO MIAMI, FLORIDA  
ST. JOHNS COUNTY  
**ST AUGUSTINE FLOOD SHOAL  
EXAMINATION SURVEY FY16**  
VICINITY OF CUTS SJ-29A THRU SJ-30A  
**PLAN**

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Scale: AS SHOWN  
Drawing no. **3**  
SHEET 03 OF 05



NOTES:  
1. REFER TO SURVEY NO. 16-02-1.  
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

Y= 2027500  
F  
E  
D  
C  
B  
A  
X= 563500  
X= 566300  
X= 562500  
X= 562000  
X= 561500  
X= 561000

10 9 8 7 6 5 4 3 2 1

10 9 8 7 6 5 4 3 2 1

RGE 126  
RGE 62.5  
RGE 0

RGE 0  
RGE 62.5  
RGE 126

P.I. STA. 13+40.96 CUT SJ-29A  
P.I. STA. 0+00 CUT SJ-30

P.I. STA. 8+04.27 CUT SJ-30  
P.I. STA. 0+00 CUT SJ-30A

G°59'

R°80'

G°11'

R°21'

STA. 5+00

STA. 9+00

STA. 10+00

STA. 15+00

STA. 10+00

CUT SJ-29A

CUT SJ-30

CUT SJ-30A

MATCHLINE SHEET NO. 002

MATCHLINE SHEET NO. 004

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Scale:   
Sheet No.   
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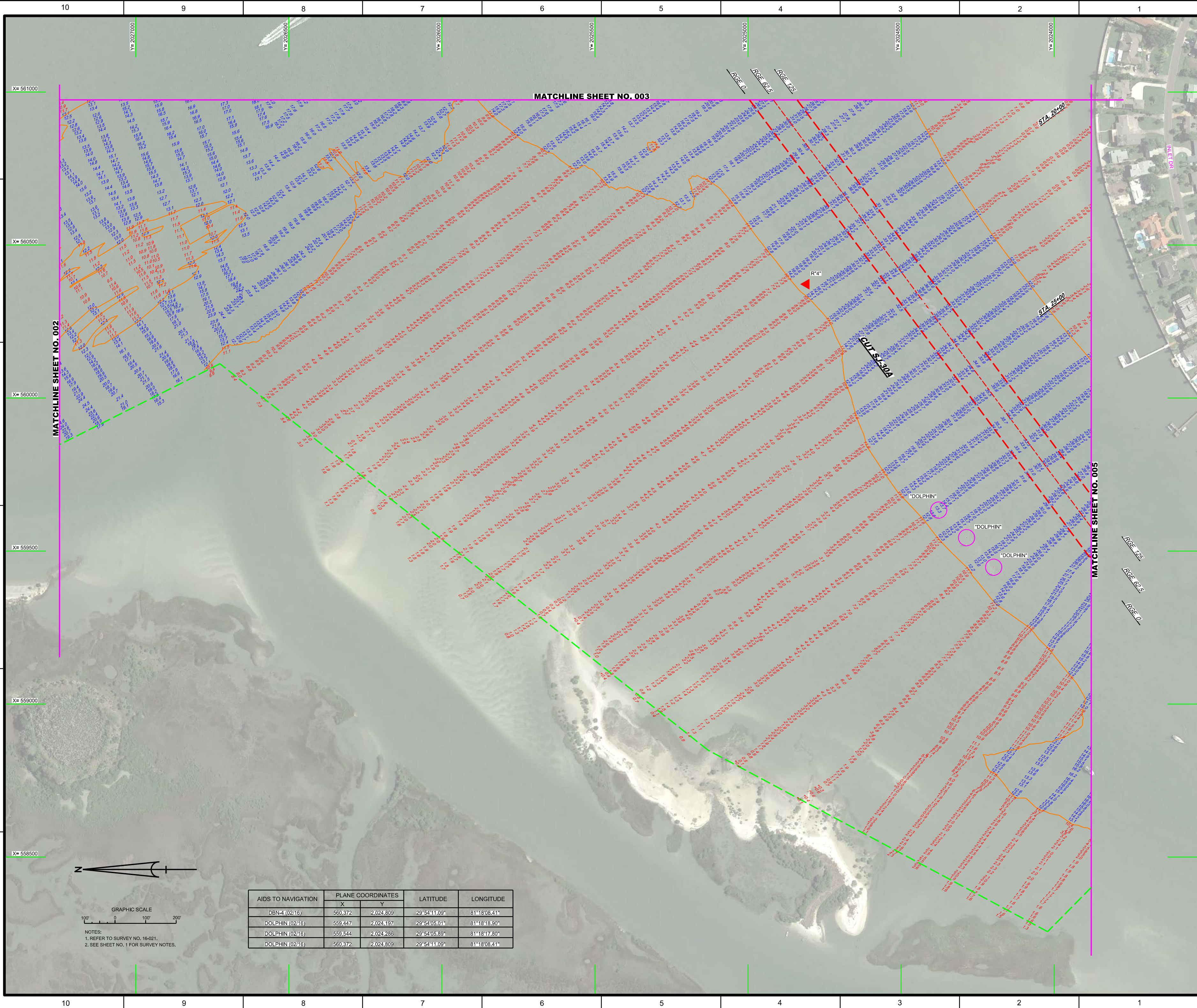
DEPARTMENT OF THE ARMY  
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS  
JACKSONVILLE, FLORIDA

XXXXXXXXXXXXXXXXXXXX  
16-02-1A-CON-12 FLOOD SHOAL DGN  
16-02-1A-HANDRY\_FLOOD SHOAL DGN  
16-02-1A-CON-02 FLOOD SHOAL DGN  
16-02-1A-CON-01 FLOOD SHOAL DGN  
16-02-1A-CON-03 FLOOD SHOAL DGN  
16-02-1A-CON-04 FLOOD SHOAL DGN  
16-02-1A-CON-05 FLOOD SHOAL DGN  
16-02-1A-CON-06 FLOOD SHOAL DGN  
16-02-1A-CON-07 FLOOD SHOAL DGN  
16-02-1A-CON-08 FLOOD SHOAL DGN  
16-02-1A-CON-09 FLOOD SHOAL DGN  
16-02-1A-CON-10 FLOOD SHOAL DGN  
16-02-1A-CON-11 FLOOD SHOAL DGN  
16-02-1A-CON-13 FLOOD SHOAL DGN  
16-02-1A-CON-14 FLOOD SHOAL DGN  
16-02-1A-CON-15 FLOOD SHOAL DGN  
16-02-1A-CON-16 FLOOD SHOAL DGN  
16-02-1A-CON-17 FLOOD SHOAL DGN  
16-02-1A-CON-18 FLOOD SHOAL DGN  
16-02-1A-CON-19 FLOOD SHOAL DGN  
16-02-1A-CON-20 FLOOD SHOAL DGN  
16-02-1A-CON-21 FLOOD SHOAL DGN  
16-02-1A-CON-22 FLOOD SHOAL DGN  
16-02-1A-CON-23 FLOOD SHOAL DGN  
16-02-1A-CON-24 FLOOD SHOAL DGN  
16-02-1A-CON-25 FLOOD SHOAL DGN  
16-02-1A-CON-26 FLOOD SHOAL DGN  
16-02-1A-CON-27 FLOOD SHOAL DGN  
16-02-1A-CON-28 FLOOD SHOAL DGN  
16-02-1A-CON-29 FLOOD SHOAL DGN  
16-02-1A-CON-30 FLOOD SHOAL DGN  
16-02-1A-CON-31 FLOOD SHOAL DGN  
16-02-1A-CON-32 FLOOD SHOAL DGN  
16-02-1A-CON-33 FLOOD SHOAL DGN  
16-02-1A-CON-34 FLOOD SHOAL DGN  
16-02-1A-CON-35 FLOOD SHOAL DGN  
16-02-1A-CON-36 FLOOD SHOAL DGN  
16-02-1A-CON-37 FLOOD SHOAL DGN  
16-02-1A-CON-38 FLOOD SHOAL DGN  
16-02-1A-CON-39 FLOOD SHOAL DGN  
16-02-1A-CON-40 FLOOD SHOAL DGN  
16-02-1A-CON-41 FLOOD SHOAL DGN  
16-02-1A-CON-42 FLOOD SHOAL DGN  
16-02-1A-CON-43 FLOOD SHOAL DGN  
16-02-1A-CON-44 FLOOD SHOAL DGN  
16-02-1A-CON-45 FLOOD SHOAL DGN  
16-02-1A-CON-46 FLOOD SHOAL DGN  
16-02-1A-CON-47 FLOOD SHOAL DGN  
16-02-1A-CON-48 FLOOD SHOAL DGN  
16-02-1A-CON-49 FLOOD SHOAL DGN  
16-02-1A-CON-50 FLOOD SHOAL DGN  
16-02-1A-CON-51 FLOOD SHOAL DGN  
16-02-1A-CON-52 FLOOD SHOAL DGN  
16-02-1A-CON-53 FLOOD SHOAL DGN  
16-02-1A-CON-54 FLOOD SHOAL DGN  
16-02-1A-CON-55 FLOOD SHOAL DGN  
16-02-1A-CON-56 FLOOD SHOAL DGN  
16-02-1A-CON-57 FLOOD SHOAL DGN  
16-02-1A-CON-58 FLOOD SHOAL DGN  
16-02-1A-CON-59 FLOOD SHOAL DGN  
16-02-1A-CON-60 FLOOD SHOAL DGN  
16-02-1A-CON-61 FLOOD SHOAL DGN  
16-02-1A-CON-62 FLOOD SHOAL DGN  
16-02-1A-CON-63 FLOOD SHOAL DGN  
16-02-1A-CON-64 FLOOD SHOAL DGN  
16-02-1A-CON-65 FLOOD SHOAL DGN  
16-02-1A-CON-66 FLOOD SHOAL DGN  
16-02-1A-CON-67 FLOOD SHOAL DGN  
16-02-1A-CON-68 FLOOD SHOAL DGN  
16-02-1A-CON-69 FLOOD SHOAL DGN  
16-02-1A-CON-70 FLOOD SHOAL DGN  
16-02-1A-CON-71 FLOOD SHOAL DGN  
16-02-1A-CON-72 FLOOD SHOAL DGN  
16-02-1A-CON-73 FLOOD SHOAL DGN  
16-02-1A-CON-74 FLOOD SHOAL DGN  
16-02-1A-CON-75 FLOOD SHOAL DGN  
16-02-1A-CON-76 FLOOD SHOAL DGN  
16-02-1A-CON-77 FLOOD SHOAL DGN  
16-02-1A-CON-78 FLOOD SHOAL DGN  
16-02-1A-CON-79 FLOOD SHOAL DGN  
16-02-1A-CON-80 FLOOD SHOAL DGN  
16-02-1A-CON-81 FLOOD SHOAL DGN  
16-02-1A-CON-82 FLOOD SHOAL DGN  
16-02-1A-CON-83 FLOOD SHOAL DGN  
16-02-1A-CON-84 FLOOD SHOAL DGN  
16-02-1A-CON-85 FLOOD SHOAL DGN  
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16-02-1A-CON-91 FLOOD SHOAL DGN  
16-02-1A-CON-92 FLOOD SHOAL DGN  
16-02-1A-CON-93 FLOOD SHOAL DGN  
16-02-1A-CON-94 FLOOD SHOAL DGN  
16-02-1A-CON-95 FLOOD SHOAL DGN  
16-02-1A-CON-96 FLOOD SHOAL DGN  
16-02-1A-CON-97 FLOOD SHOAL DGN  
16-02-1A-CON-98 FLOOD SHOAL DGN  
16-02-1A-CON-99 FLOOD SHOAL DGN  
16-02-1A-CON-100 FLOOD SHOAL DGN

INTRACOASTAL WATERWAY  
JACKSONVILLE TO MIAMI, FLORIDA  
ST. JOHNS COUNTY  
**ST AUGUSTINE FLOOD SHOAL**  
EXAMINATION SURVEY FY16  
VICINITY OF CUTS S-100A  
**PLAN**

Scale: AS SHOWN  
Drawing no.  
**4**

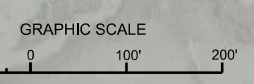
SHEET 04 OF 05



MATCHLINE SHEET NO. 003

MATCHLINE SHEET NO. 002

MATCHLINE SHEET NO. 005



NOTES:  
1. REFER TO SURVEY NO. 16-021.  
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-1 (0216)	560,372	2,024,809	29°54'11.09"	81°18'08.41"
DOLPHIN (0216)	559,447	2,024,197	29°54'05.01"	81°18'18.99"
DOLPHIN (0216)	559,544	2,024,286	29°54'05.89"	81°18'17.80"
DOLPHIN (0216)	560,372	2,024,809	29°54'11.09"	81°18'08.41"

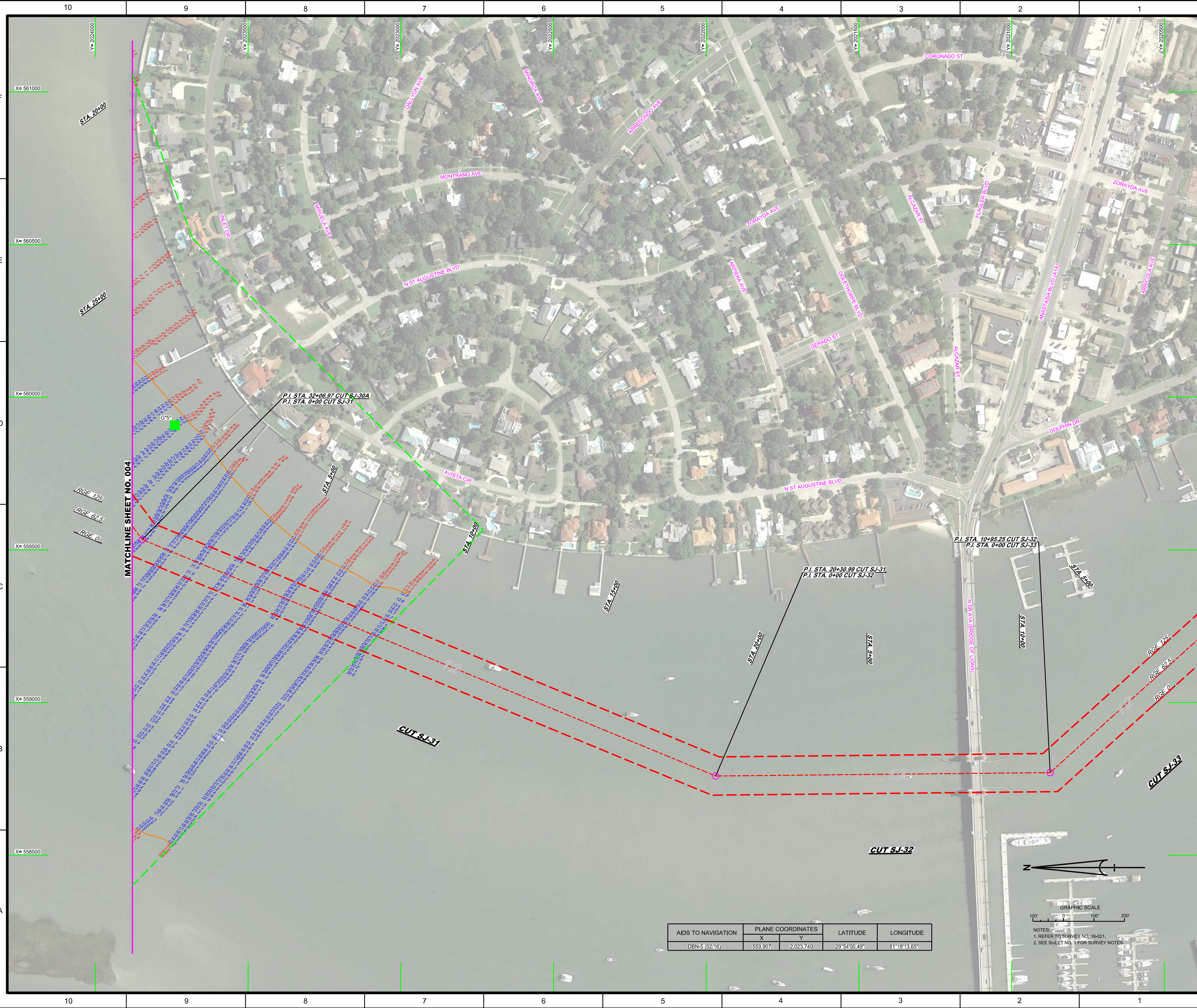
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 JACKSONVILLE DISTRICT, CORPS OF ENGINEERS  
 JACKSONVILLE, FLORIDA

Drawn by: WRM  
 Checked by: GHR  
 Date: FEB 2016

INTRACOASTAL WATERWAY  
 JACKSONVILLE TO MIAMI, FLORIDA  
 ST. JOHNS COUNTY  
**ST AUGUSTINE FLOOD SHOAL EXAMINATION SURVEY FY16**  
 VICINITY OF CUTS SJ-30A THRU SJ-31  
**PLAN**

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



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-S (02/16)	559,907	2,029,740	29°54'00.49"	81°18'13.65"

NOTES:  
 1. REFER TO SURVEY NO. 16-021.  
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