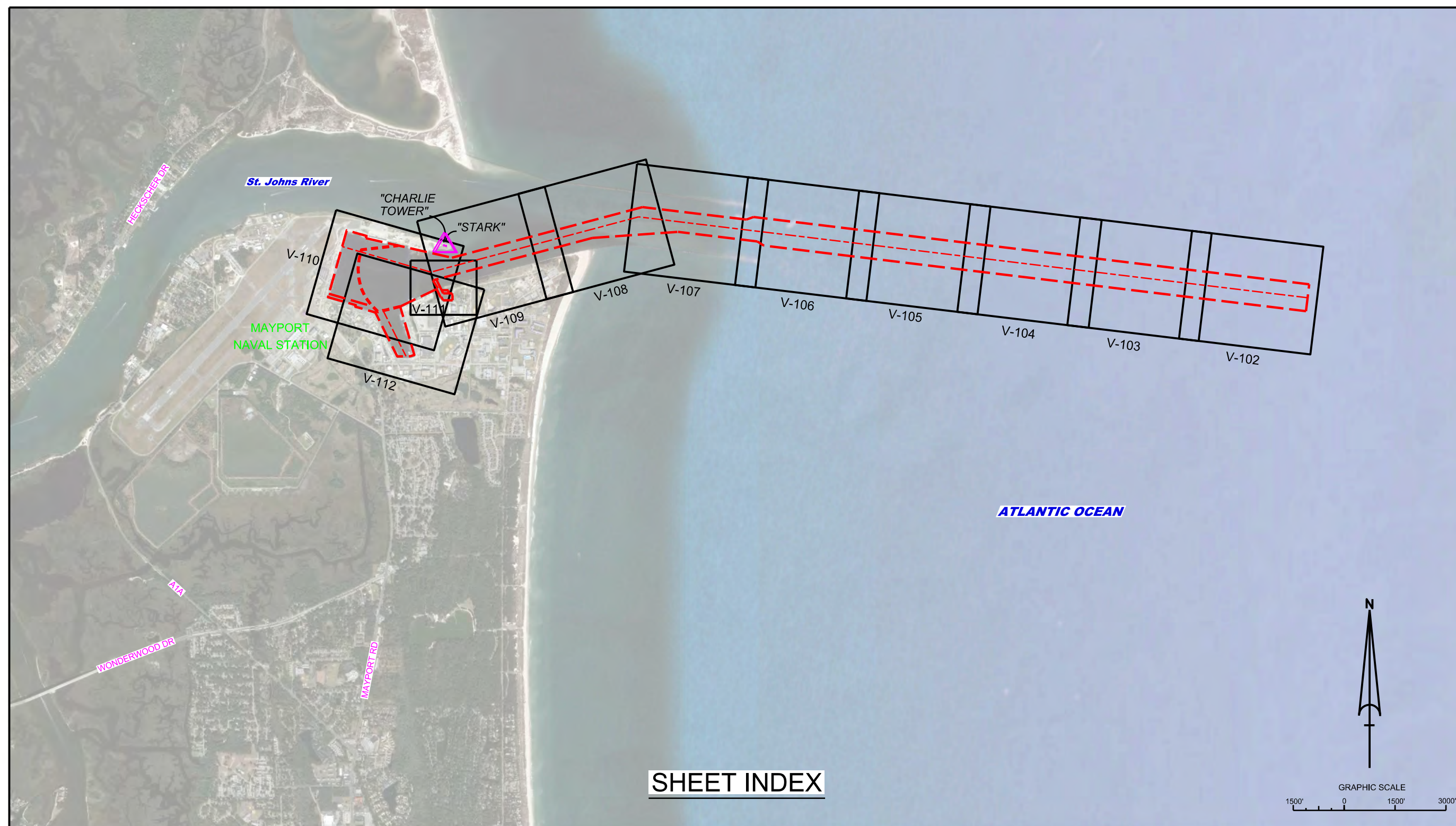


# U.S. NAVAL STATION MAYPORT 1ST TRI-ANNUAL EXAMINATION SURVEY FY15



**SURVEY NOTES**

- REFER TO SURVEY NO. 15-049. ADDITIONAL DATA FROM SURVEYS 15-044 (BEFORE-DREDGE), 15-045 (AFTER-DREDGE) AND 15-022 (EXAM) WERE ALSO USED FOR THIS COMPILATION.
- DEPTHS DEPICTED BY THIS SURVEY ARE REFERENCED TO MLLW, TIDAL EPOCH 1983-2011 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 GAGE SITES SPECIFIED BELOW.  
  
NOAA TIDAL STATION 872-0211 MAYPORT NAVAL STA., ST. JOHNS RIVER FOR ENTIRE PROJECT.
- 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: "CAMDENGA-NASSAU-DUVAL-STJOHNS-FLAGLER\_01FEB2011.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 AZIMUTHS ARE GRID; RECKONED CLOCKWISE FROM SOUTH.
- 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 "CHARLIE TOWER" (OPUS PID: BBDC09)  
TIDE STAFF LOCATED FROM "STARK" (OPUS PID: BBBZ99)
- VERTICAL MEASUREMENTS WERE MADE USING A ROSS MODEL 835B SMART-SOUNDER WITH A DUAL-FREQUENCY 28/200 KHZ SINGLE-BEAM TRANSDUCER AND A R2SONIC 2021 MULTI-BEAM SYSTEM. SOUNDINGS SHOWN ARE IN HIGH FREQUENCY (200KHZ) FOR STA. 0+00 THRU STA. 198+63.25 BAR CUT-3, STA. 0+00 THRU STA. 56+27.94 OF THE ENTRANCE CHANNEL AND LOW FREQUENCY (28 KHZ) FROM STA. 56+27.94 OF THE ENTRANCE CHANNEL THRU THE TURNING BASIN, DESTROYER SLIP AND THE SMALL BOAT BASIN.  
  

VESSEL	DATE OF SURVEY	CUT
SB-46	09 DEC 2014	TURNING BASIN, FOXTOFT PIER
SB-46	27 DEC 2014	BAR CUT-3
SB-46	28 DEC 2014	TURNING BASIN
SB-46	29 DEC 2014	ENTRANCE CHANNEL
SB-46	31 DEC 2014	TURNING BASIN
SB-46	17 FEB 2015	SMALL BOAT BASIN, DESTROYER SLIP ENTRANCE CHANNEL
- 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 AND IS NOT TO BE USED FOR NAVIGATION.
- 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.

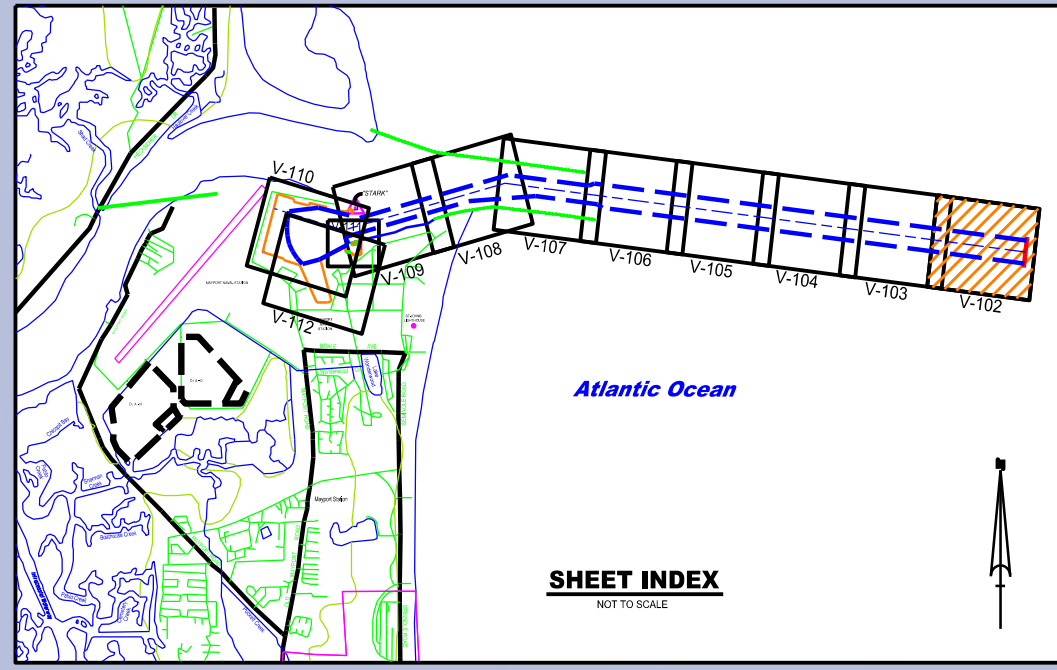
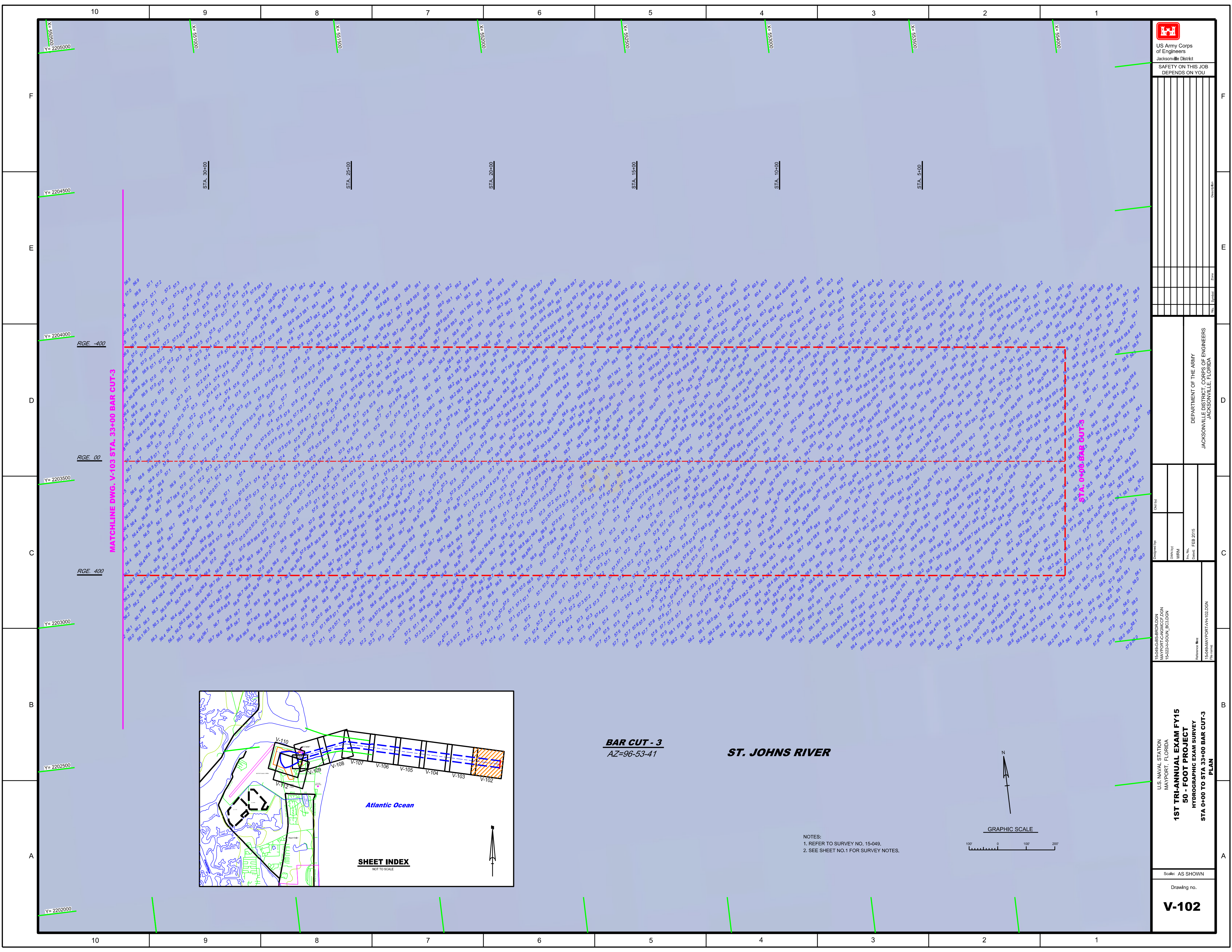
LEGEND	
	MONUMENT
	LIGHTED BEACON
	GREEN DAYBEACON
	RED DAYBEACON
	RED LIGHTED BUOY
	GREEN LIGHTED BUOY
	CAN BUOY
	NUN BUOY
	TIDE STAFF
8	PROJECT DEPTH

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JACKSONVILLE, FLORIDA

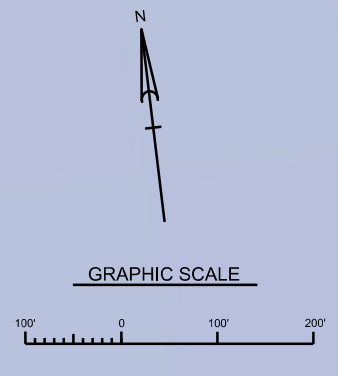
1ST TRI-ANNUAL EXAM FY15  
50 - FOOT PROJECT  
HYDROGRAPHIC EXAM SURVEY

Scale: AS SHOWN  
Drawing no. **VH-101**




**BAR CUT - 3**  
AZ=96-53-41

**ST. JOHNS RIVER**



- NOTES:  
 1. REFER TO SURVEY NO. 15-049.  
 2. SEE SHEET NO.1 FOR SURVEY NOTES.



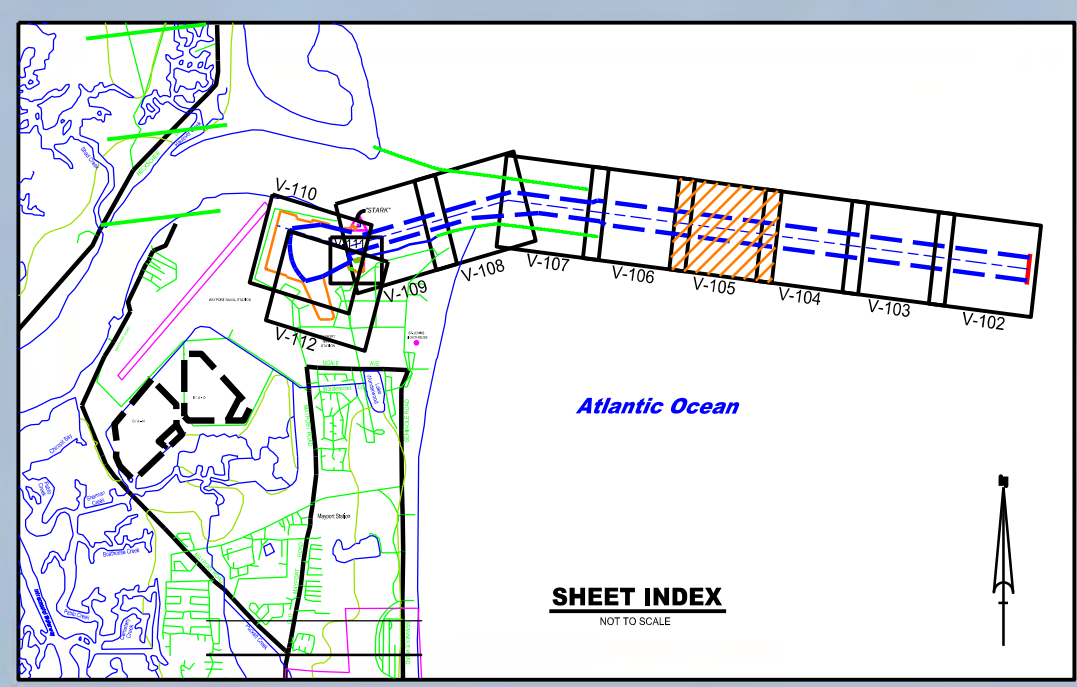
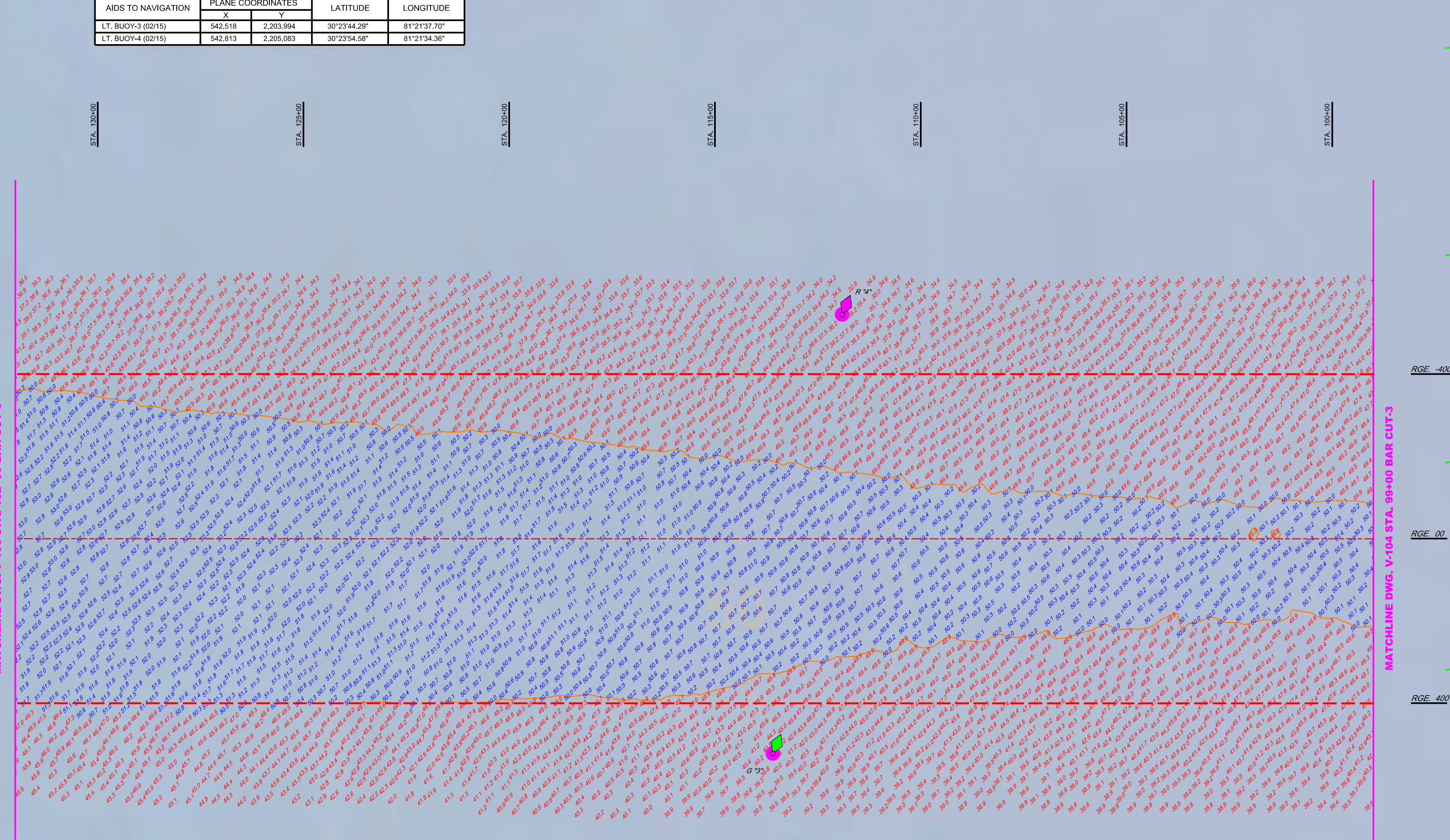
US Army Corps of Engineers  
Jacksonville District  
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DEPARTMENT OF THE ARMY JACKSONVILLE DISTRICT, CORPS OF ENGINEERS JACKSONVILLE, FLORIDA	Drawn by: WRM Date: FEB 2015
15-049-015-BIRDSON MAYPORT-ENGINEERING 15-049-015-001-SECTION	Scale: AS SHOWN Drawing no. <b>V-102</b>
<b>1ST TRI-ANNUAL EXAM FY15</b> <b>50 - FOOT PROJECT</b> HYDROGRAPHIC EXAM SURVEY STA 0+00 TO STA 33+00 BAR CUT-3 PLAN	



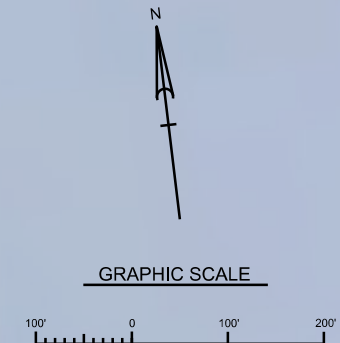


AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-3 (02/15)	542,518	2,203,994	30°23'44.29"	81°21'37.70"
LT. BUOY-4 (02/15)	542,813	2,205,083	30°23'54.58"	81°21'34.36"



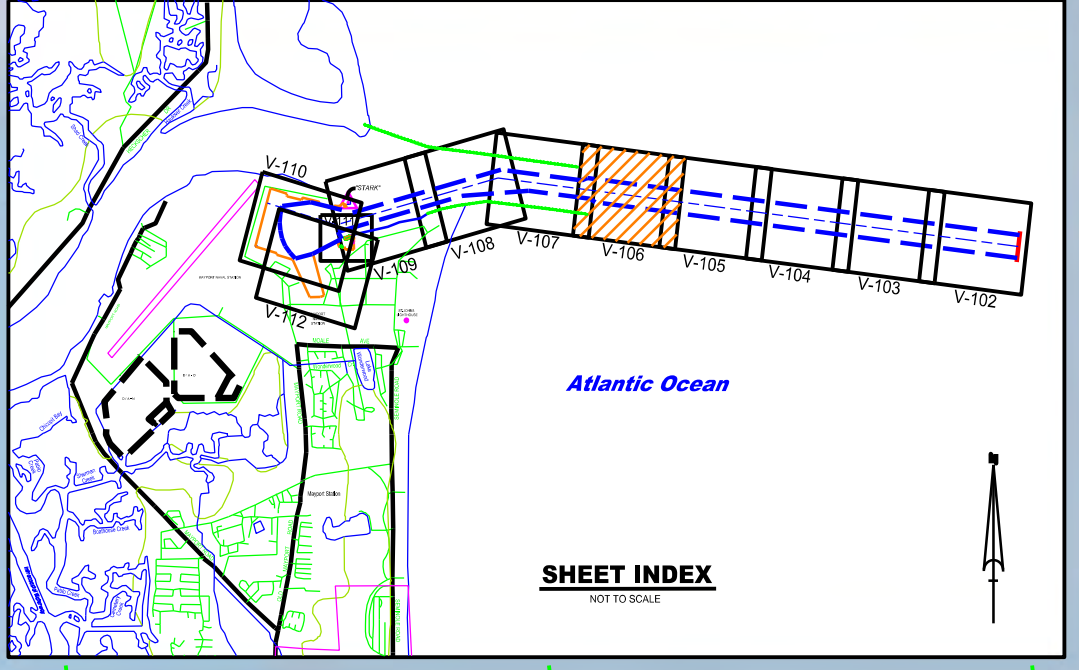
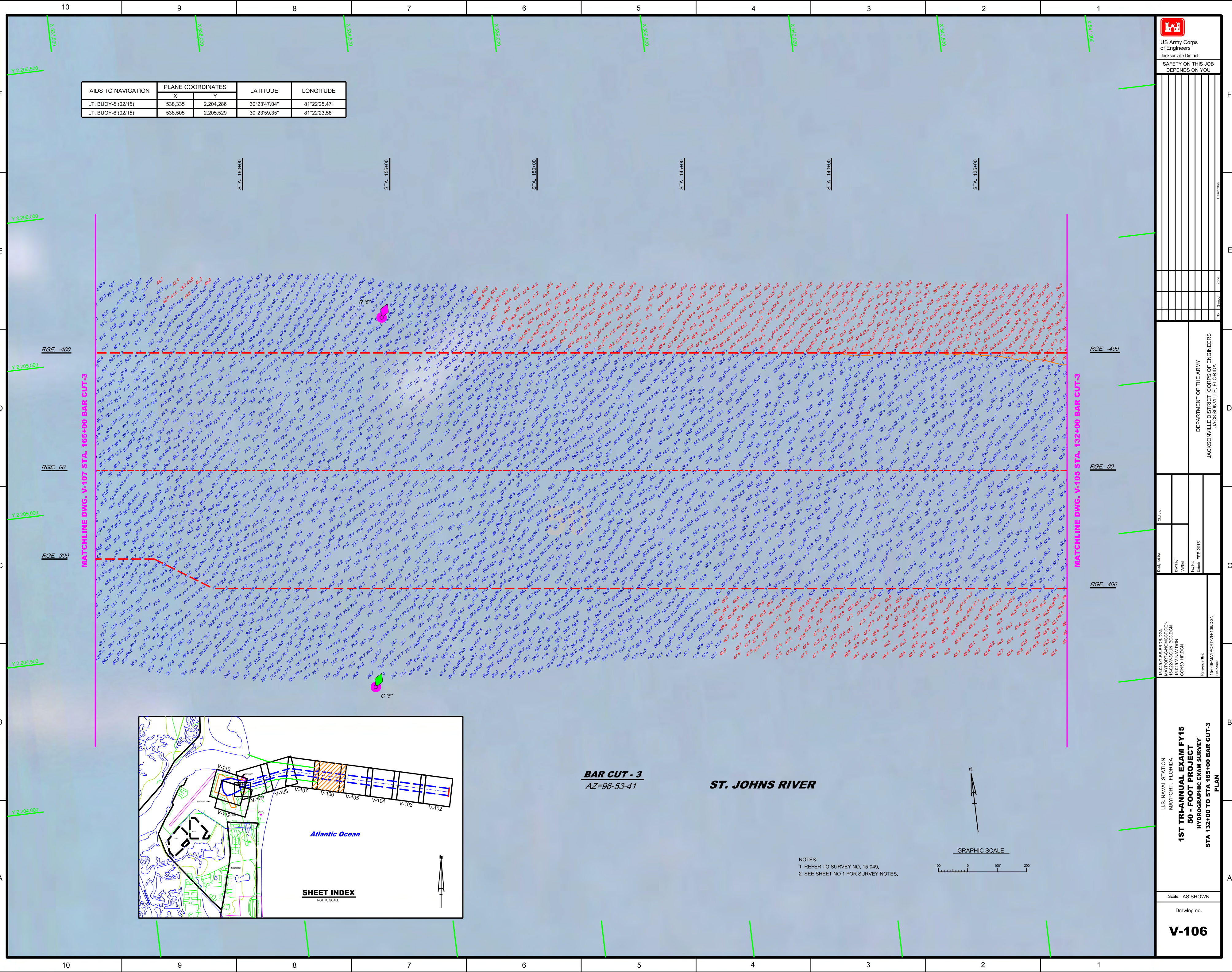
**BAR CUT - 3**  
AZ=96-53-41  
**ST. JOHNS RIVER**

NOTES:  
1. REFER TO SURVEY NO. 15-048.  
2. SEE SHEET NO.1 FOR SURVEY NOTES.



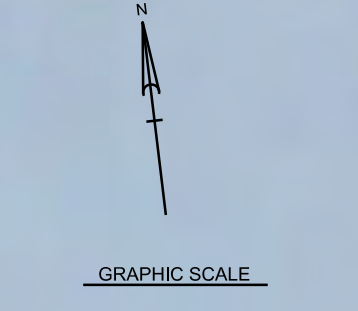
**SHEET INDEX**  
NOT TO SCALE

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-6 (02/15)	538,335	2,204,286	30°23'47.04"	81°22'25.47"
LT. BUOY-6 (02/15)	538,505	2,205,529	30°23'59.35"	81°22'23.58"



**BAR CUT - 3**  
AZ=96-53-41

**ST. JOHNS RIVER**



- NOTES:  
1. REFER TO SURVEY NO. 15-049.  
2. SEE SHEET NO.1 FOR SURVEY NOTES.

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

Designed by:  
Drawn by:  
Checked by:  
Date: FEB 2015

15-AR-BC-BIRDSON  
15-AR-BC-CHINGOCCION  
15-AR-BC-DAVIDSON  
CONSULTING ENGINEER

U.S. NAVAL STATION  
MAYPORT, FLORIDA  
**1ST TRI-ANNUAL EXAM FY15  
50 - FOOT PROJECT  
HYDROGRAPHIC EXAM SURVEY  
STA 132+00 TO STA 165+00 BAR CUT-3  
PLAN**

Scale: AS SHOWN  
Drawing no.  
**V-106**

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-7 (02/15)	534,951	2,204,854	30°23'52.55"	81°23'04.13"
LT. BUOY-8 (02/15)	535,330	2,205,798	30°24'01.92"	81°22'59.85"

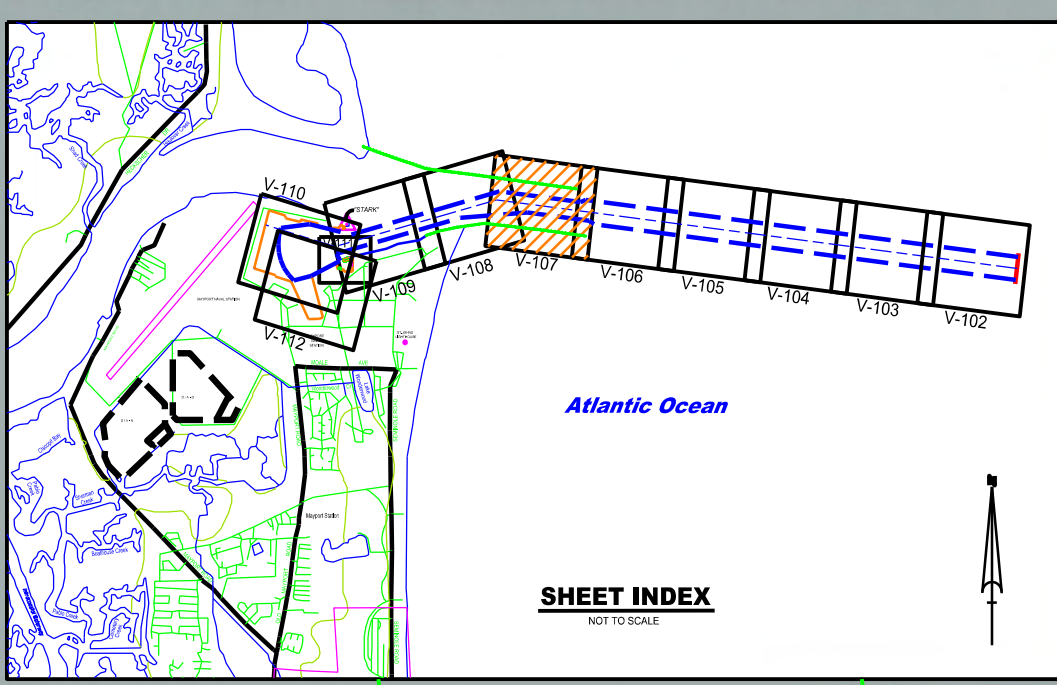
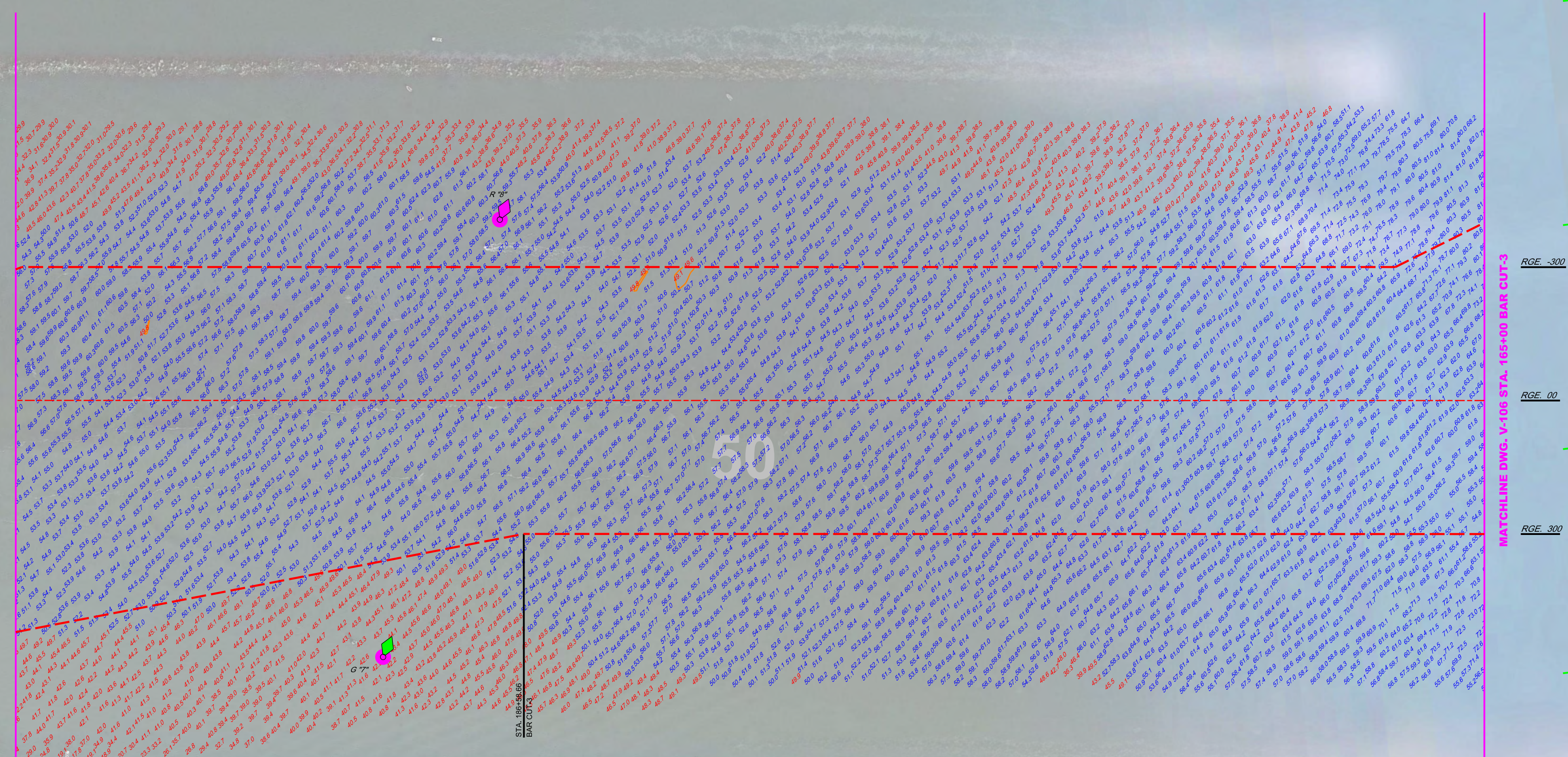
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JACKSONVILLE DISTRICT CORPS OF ENGINEERS  
JACKSONVILLE, FLORIDA

U.S. NAVAL STATION  
MAYPORT, FLORIDA  
15-049-01-000-000  
15-049-01-000-000  
15-049-01-000-000  
CONS. I, II, III, IV  
Reference Date: 15-049-01-000-000-000  
File Name: 15-049-01-000-000-000

U.S. NAVAL STATION  
MAYPORT, FLORIDA  
1ST TRI-ANNUAL EXAM FY15  
50 - FOOT PROJECT  
HYDROGRAPHIC EXAM SURVEY  
STA 165+00 TO STA 198+00 BAR CUT-3  
PLAN

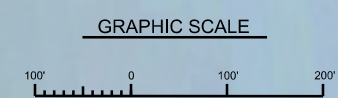
Scale: AS SHOWN  
Drawing no.  
**V-107**

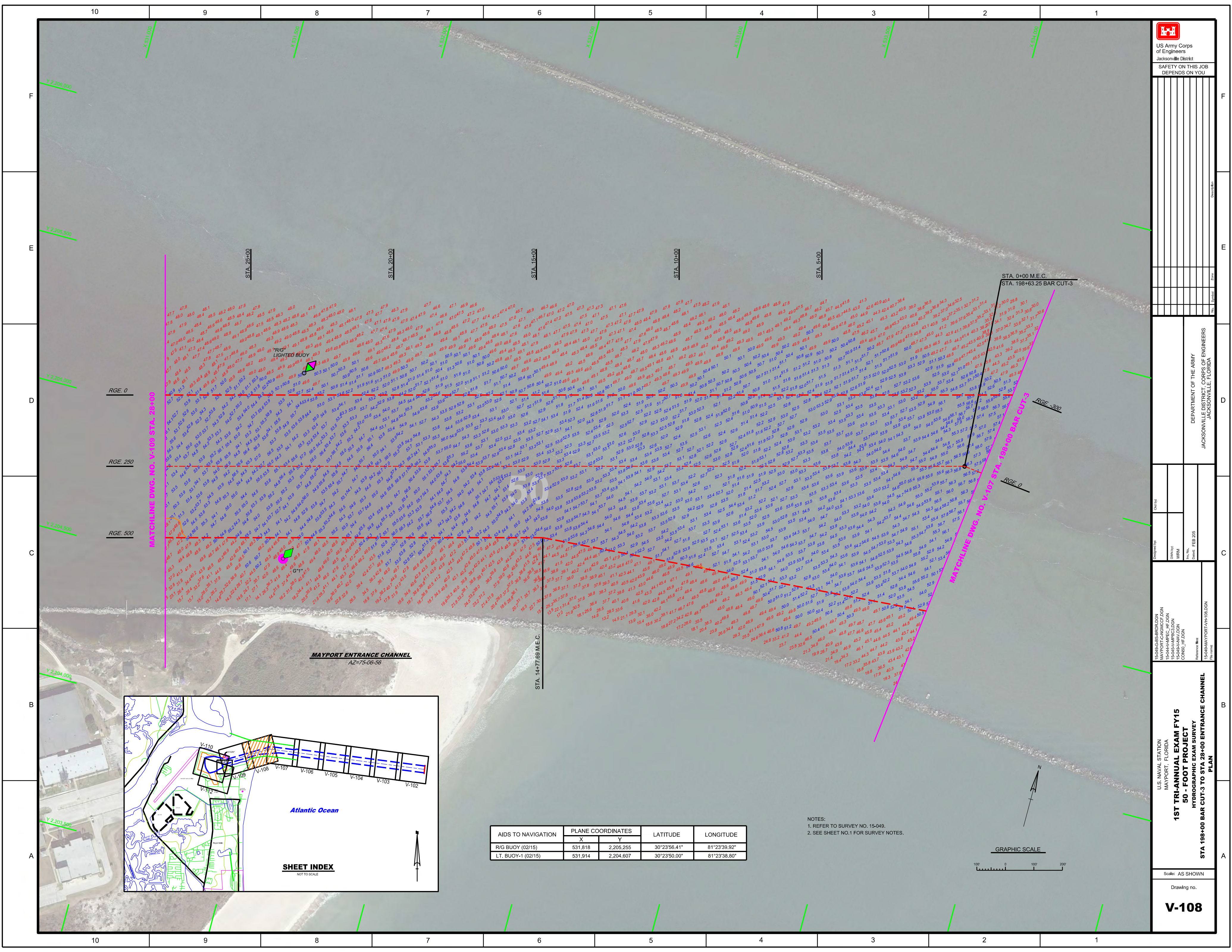



**BAR CUT - 3**  
AZ=96-53-41

**ST. JOHNS RIVER**

- NOTES:  
1. REFER TO SURVEY NO. 15-049.  
2. SEE SHEET NO.1 FOR SURVEY NOTES.







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JACKSONVILLE, FLORIDA

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U.S. NAVAL STATION  
MAYPORT, FLORIDA

**1ST TRI-ANNUAL EXAM FY15  
50 - FOOT PROJECT**

HYDROGRAPHIC EXAM SURVEY  
STA 198+00 BAR CUT-3 TO STA 28+00 ENTRANCE CHANNEL

Scale: AS SHOWN

Drawing no.  
**V-108**

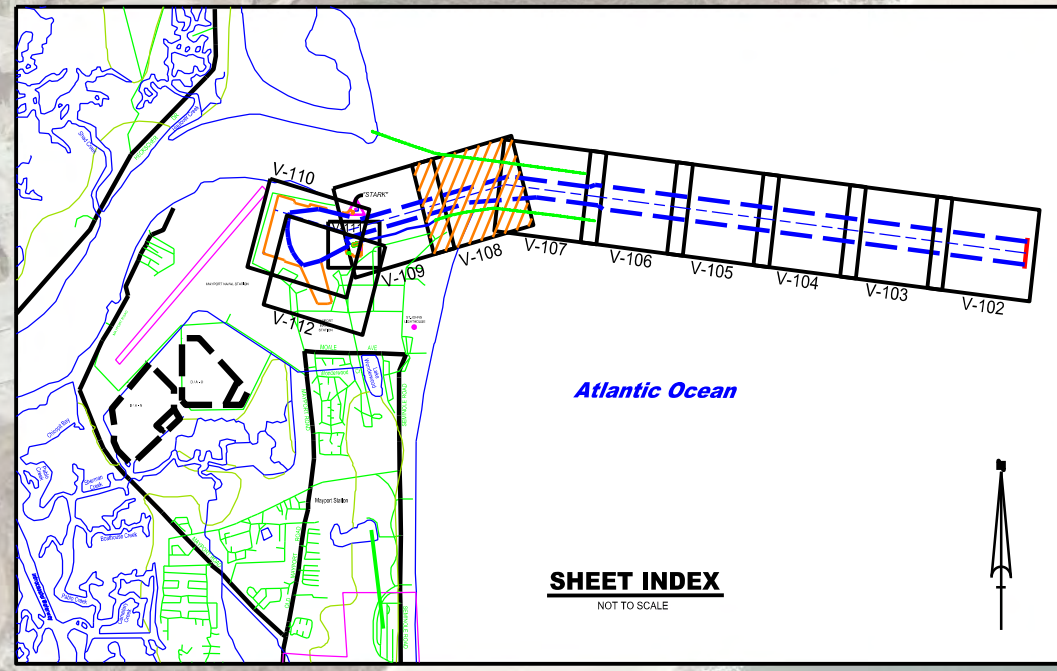
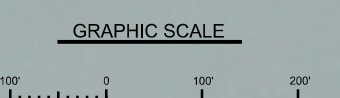
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DESIGNED BY: 15-0493-BS-BRDLDGN  
MAYPORT-ENGINEER/DGN  
CHECKED BY: 15-0493-BS-BRDLDGN  
15-0493-BS-BRDLDGN  
CONSULTANT: JFDGDN

DATE: FEB 2015

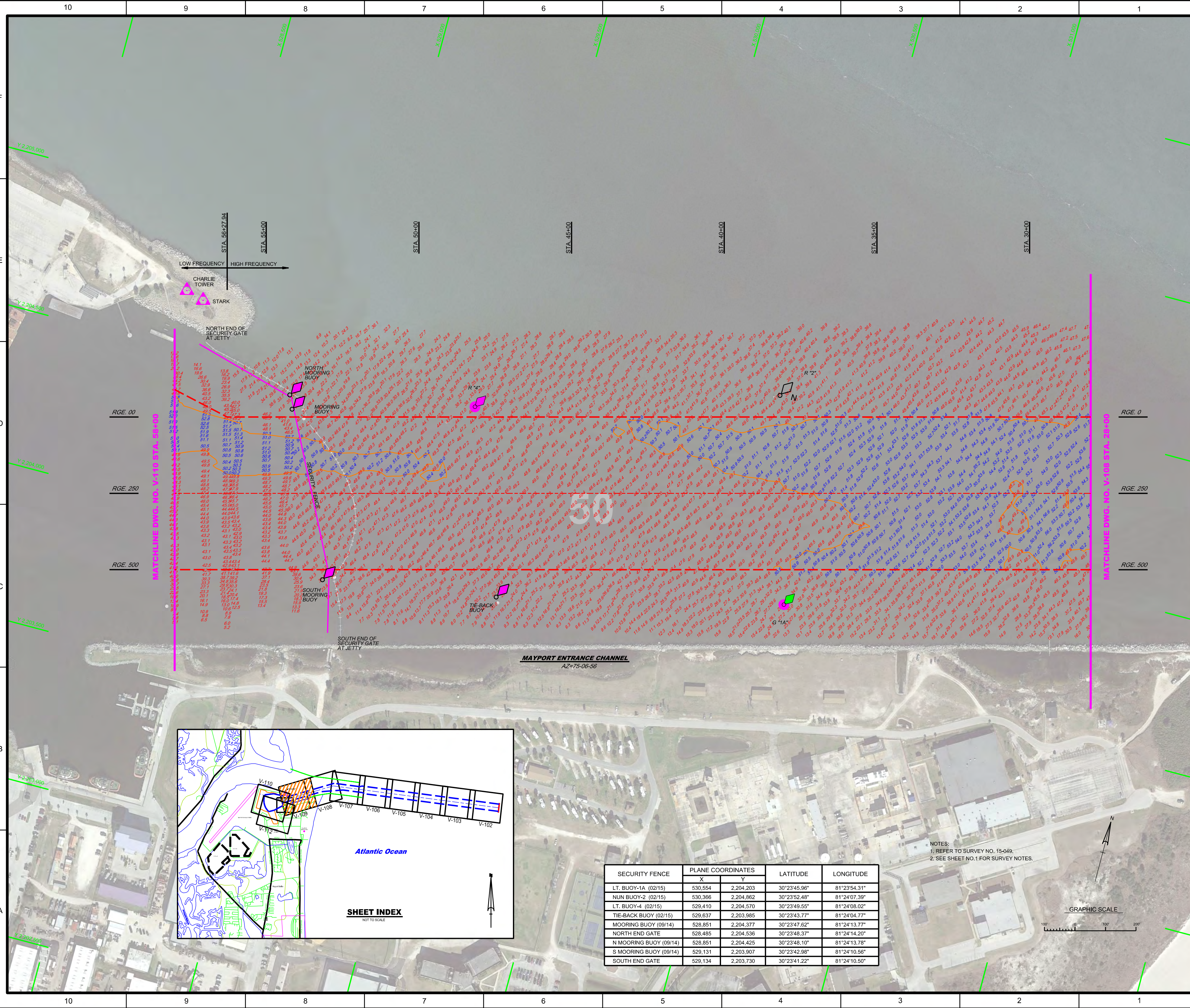
AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
R/G BUOY (02/15)	531.818	2,205,255	30°23'56.41"	81°23'39.92"
LT. BUOY-1 (02/15)	531.914	2,204,607	30°23'50.00"	81°23'38.80"

NOTES:  
1. REFER TO SURVEY NO. 15-049.  
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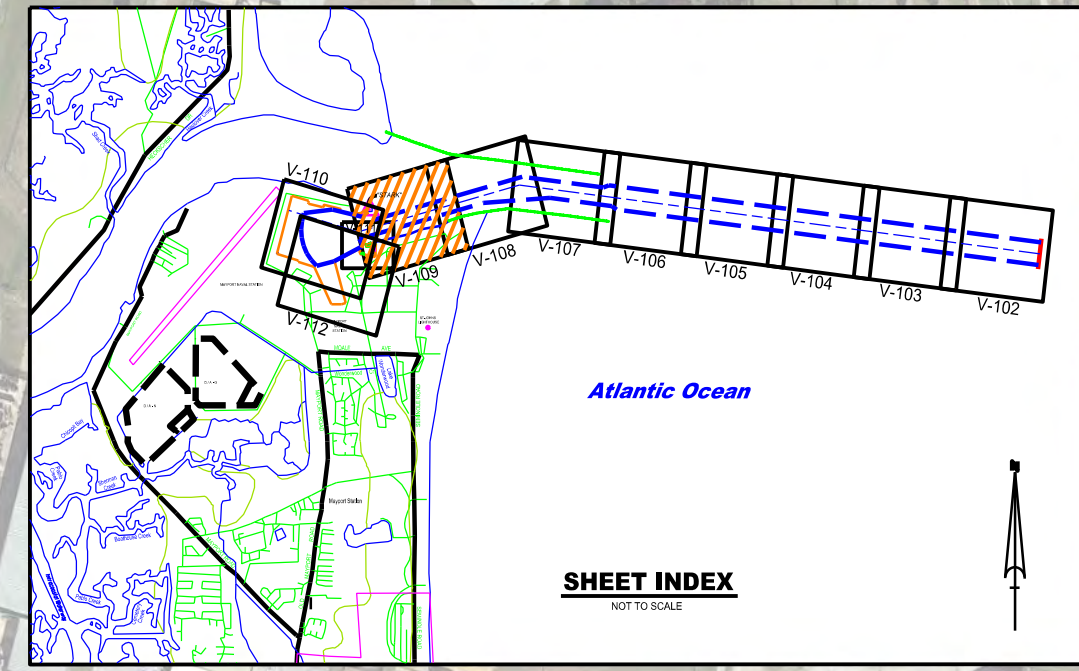
**SHEET INDEX**  
NOT TO SCALE





SECURITY FENCE	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-1A (02/15)	530,554	2,204,203	30°23'45.96"	81°23'54.31"
NUN BUOY-2 (02/15)	530,366	2,204,862	30°23'52.48"	81°24'07.39"
LT. BUOY-4 (02/15)	529,410	2,204,570	30°23'49.55"	81°24'08.02"
TIE-BACK BUOY (02/15)	529,637	2,203,985	30°23'43.77"	81°24'04.77"
MOORING BUOY (09/14)	528,851	2,204,377	30°23'47.62"	81°24'13.77"
NORTH END GATE	528,485	2,204,536	30°23'48.37"	81°24'14.20"
N MOORING BUOY (09/14)	528,851	2,204,425	30°23'48.10"	81°24'13.78"
S MOORING BUOY (09/14)	529,131	2,203,907	30°23'42.98"	81°24'10.56"
SOUTH END GATE	529,134	2,203,730	30°23'41.22"	81°24'10.50"

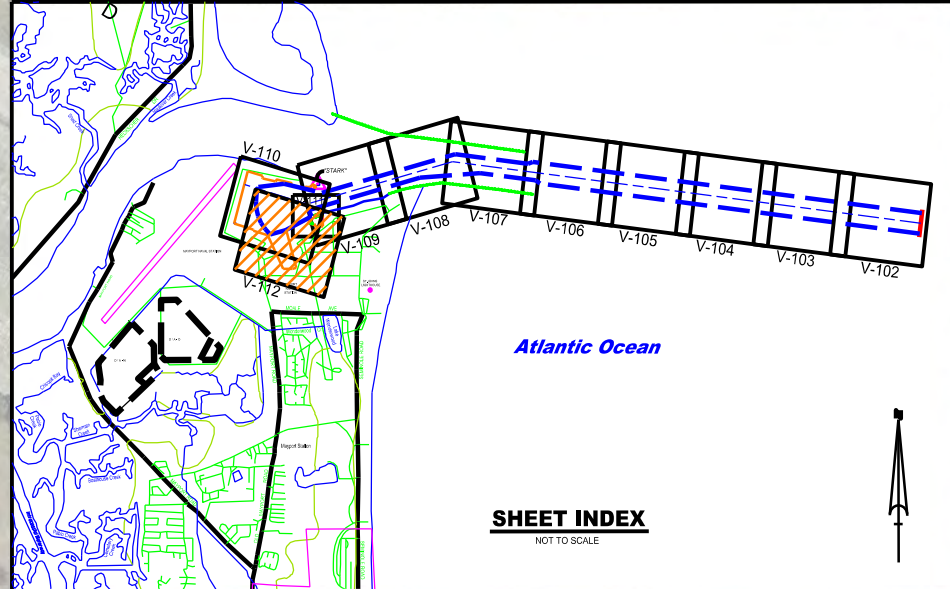
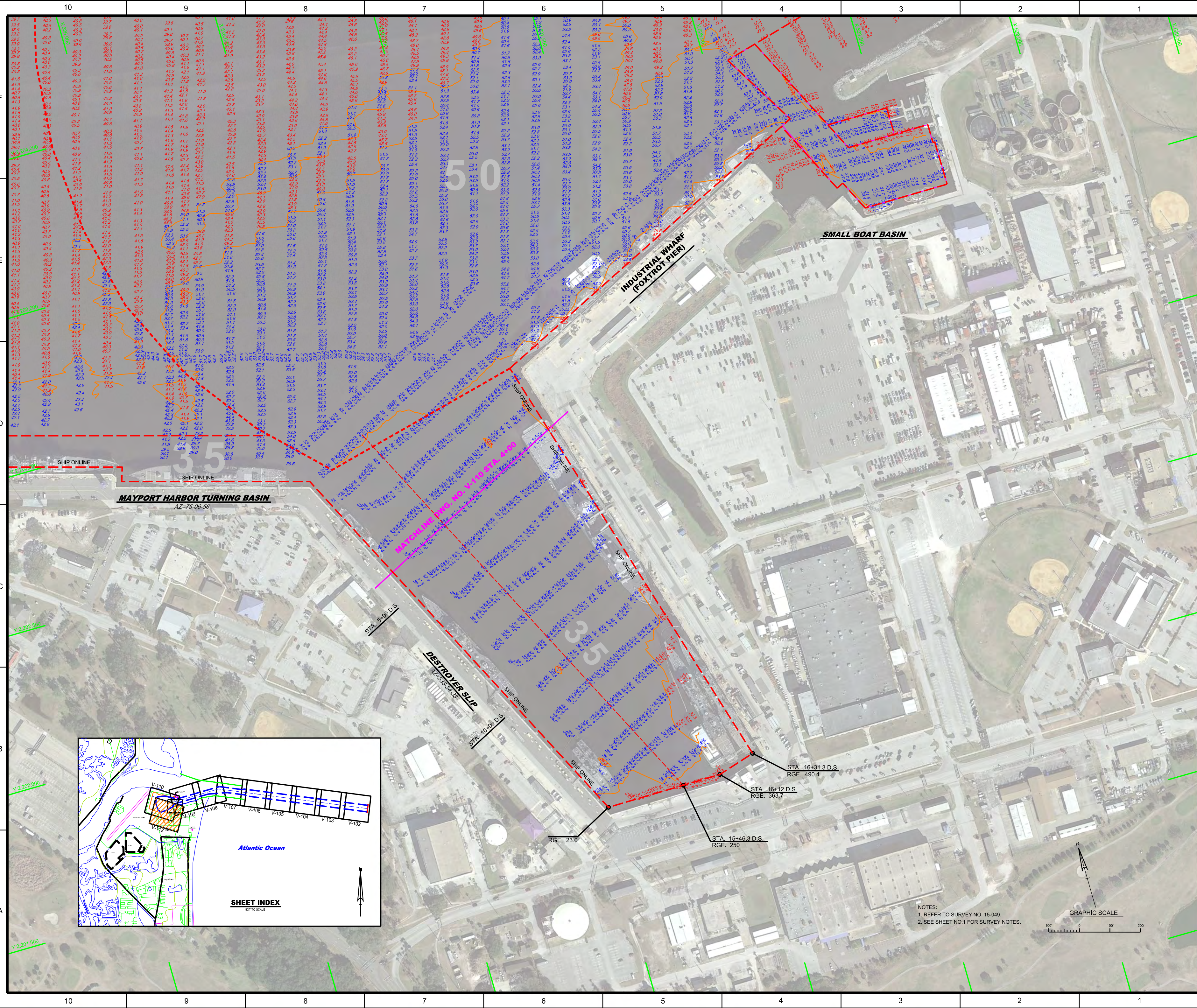
NOTES:  
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**SHEET INDEX**  
NOT TO SCALE







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