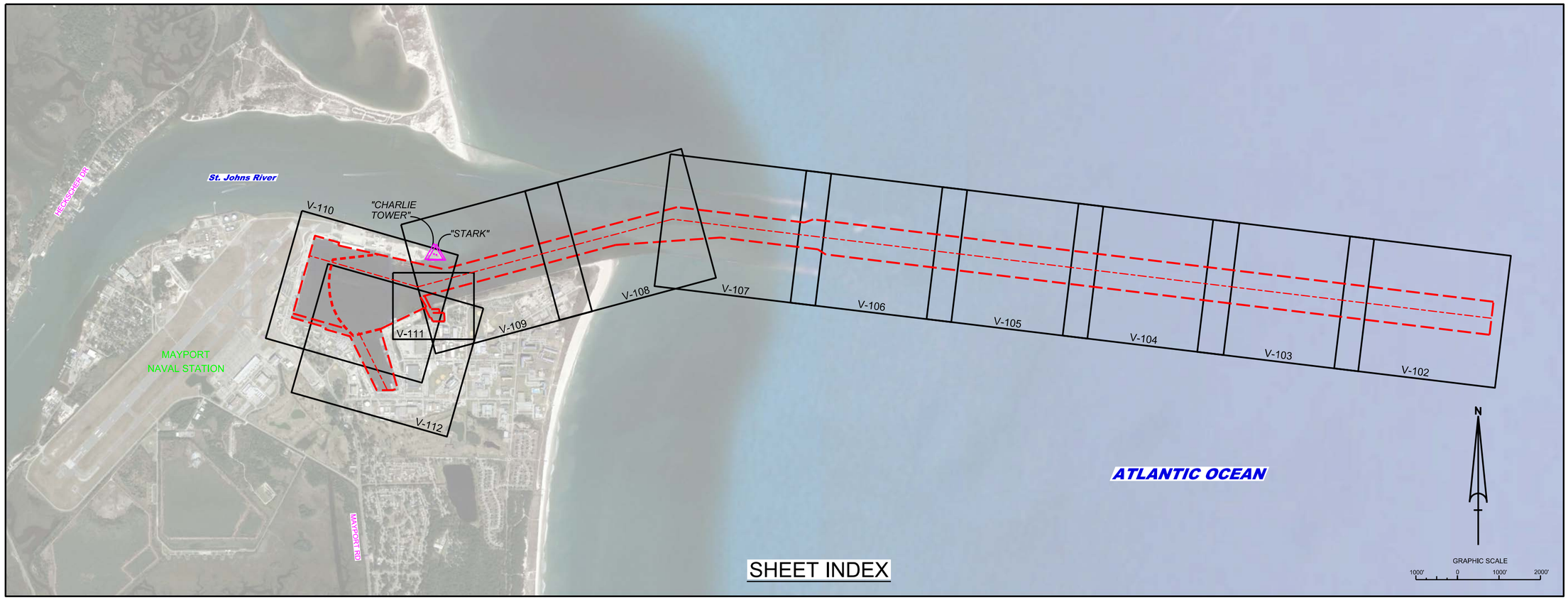
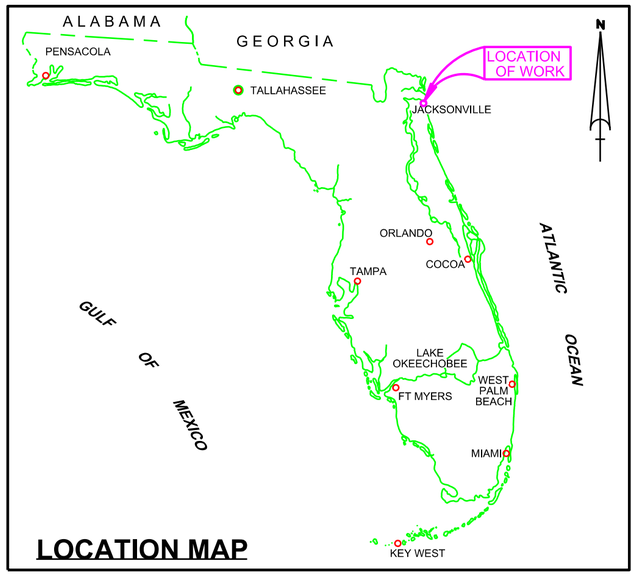
U.S. NAVAL STATION MAYPORT
BI-MONTHLY HYDRO EXAM SURVEY
FY18





LEGEND	
△	MONUMENT
	LIGHTED BEACON
■	GREEN DAYBEACON
▲	RED DAYBEACON
	RED LIGHTED BUOY
	GREEN LIGHTED BUOY
C	CAN BUOY
N	NUN BUOY
	TIDE STAFF
8	PROJECT DEPTH

SURVEY NOTES

1. REFER TO SURVEY NO. 18-026.
2. 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 GAGE SITES SPECIFIED BELOW:

   NOAA TIDAL STATION "872-0211" MAYPORT NAVAL STATION, ST JOHNS RIVER FOR ENTIRE PROJECT.
3. 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".
4. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGN.
5. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE EAST ZONE OF FLORIDA AND REFERENCED TO NORTH AMERICAN DATUM OF 1983 (NAD83).
6. ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
7. 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)
8. VERTICAL MEASUREMENTS WERE MADE USING A ROSS MODEL 835B SMART-SOUNDER WITH A DUAL-FREQUENCY 28/200 KHZ SINGLE-BEAM TRANSDUCER AND A R2SONIC 2024 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. 63+41.62 OF THE ENTRANCE CHANNEL AND LOW FREQUENCY (28 KHZ) FROM THE TURNING BASIN, DESTROYER SLIP AND THE SMALL BOAT BASIN.

VESSEL	DATE OF SURVEY	CUT
SB-48	08-10 JAN 2018	DESTROYER SLIP, SMALL BOAT BASIN, TURNING BASIN, ENTRANCE CHANNEL, BAR CUT-3
SB-48	19 JAN 2018	TURNING BASIN

9. AIDS TO NAVIGATION WERE LOCATED DURING THIS SURVEY.
10. 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.
11. 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.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description

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

Designed by:
DWN by: FMW
Chd by:
Rev. No.
Date: JAN 2018

18-026-G-B-BRGR.DGN
MAYPORT-G-ARGNCF.DGN
Reference files:
18-026-MAYPORT-VH-101.DGN
File name:

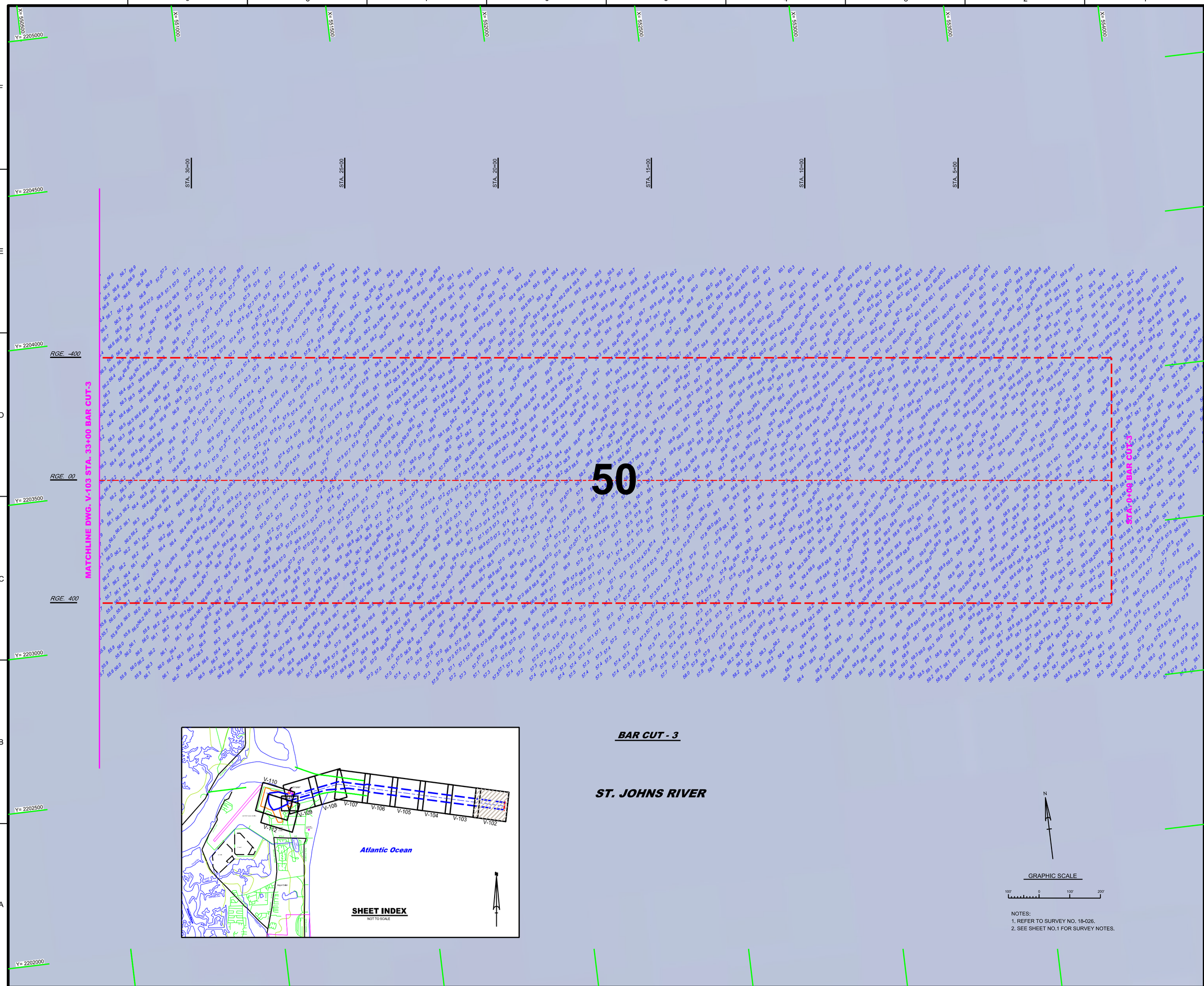
U.S. NAVAL STATION
MAYPORT, FLORIDA

BIMONTHLY EXAMINATION SURVEY - JAN 2018
14, 27, 35 , 42 & 50 - FOOT PROJECT
HYDROGRAPHIC EXAM SURVEY

Scale: AS SHOWN

Drawing no.

VH-101



NOTES:
1. REFER TO SURVEY NO. 18-026.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description

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

Designed by:
Cad by:
DWN by: FMW
Rev. No.
Date: JAN 2018

18-026-PHS-BRDR.DGN
18-026-V-SHEET-INDEX.DGN
18-026-V-SOUN_BC3_HF.DGN
Reference files:
18-026-MAYPORT-V16-102.DGN
File name:

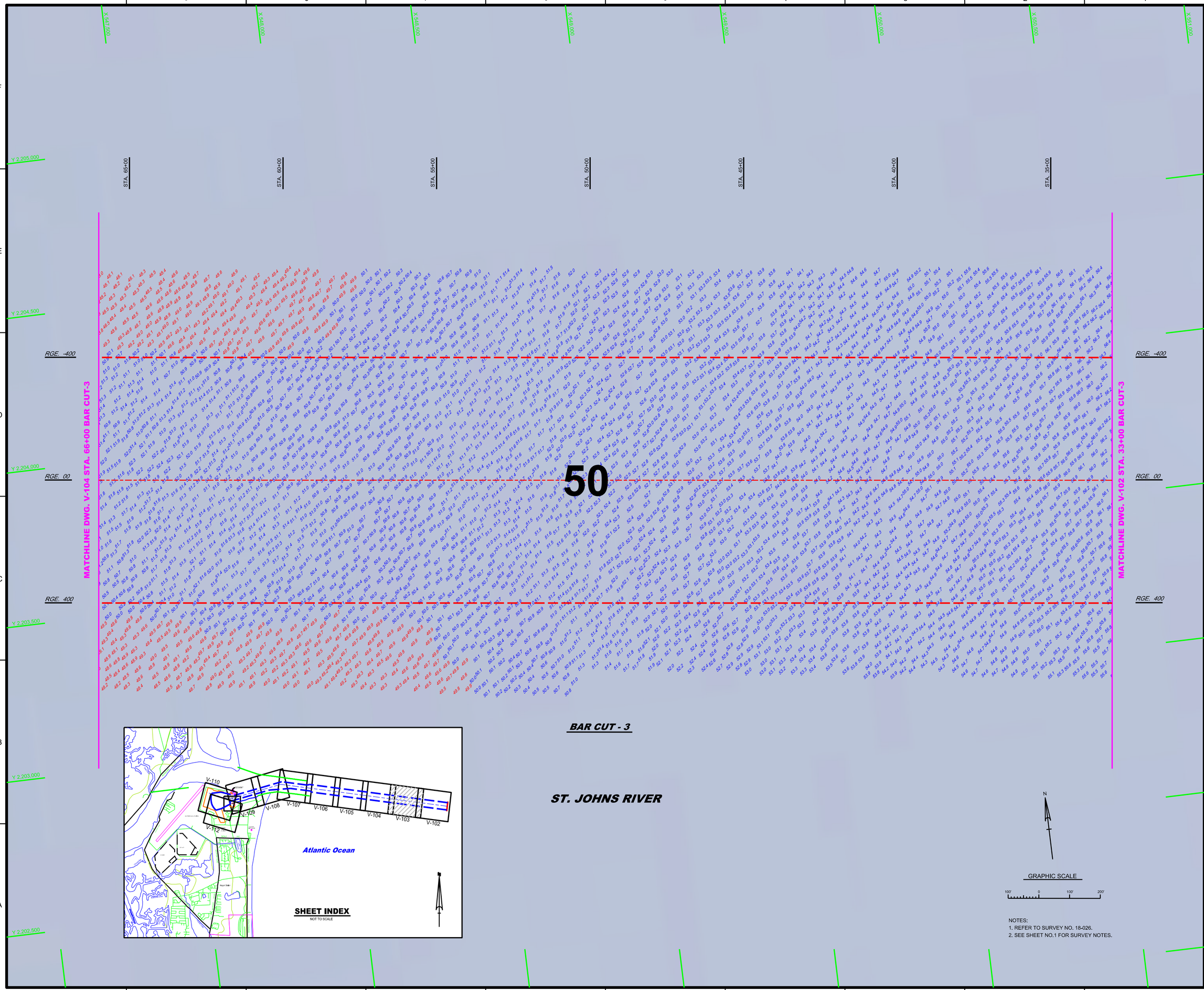
U.S. NAVAL STATION
MAYPORT, FLORIDA

BIMONTHLY EXAMINATION SURVEY - JAN 2018
14, 27, 35 , 42 & 50 - FOOT PROJECT
HYDROGRAPHIC EXAM SURVEY
STA 0+00 TO STA 33+00 BAR CUT-3
PLAN

Scale: AS SHOWN

Drawing no.

V-102



NOTES:
1. REFER TO SURVEY NO. 18-026.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description

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

Designed by:
Drawn by: FMW
Checked by:
Rev. No.
Date: JAN 2018

Reference files:
18-026-A-BS-RIGID.DGN
MAYPORT-BASE-GRID.DGN
18-026-V-SOUN_BC3_HF.DGN

18-026A-MAYPORT-VH-103.DGN
File name:

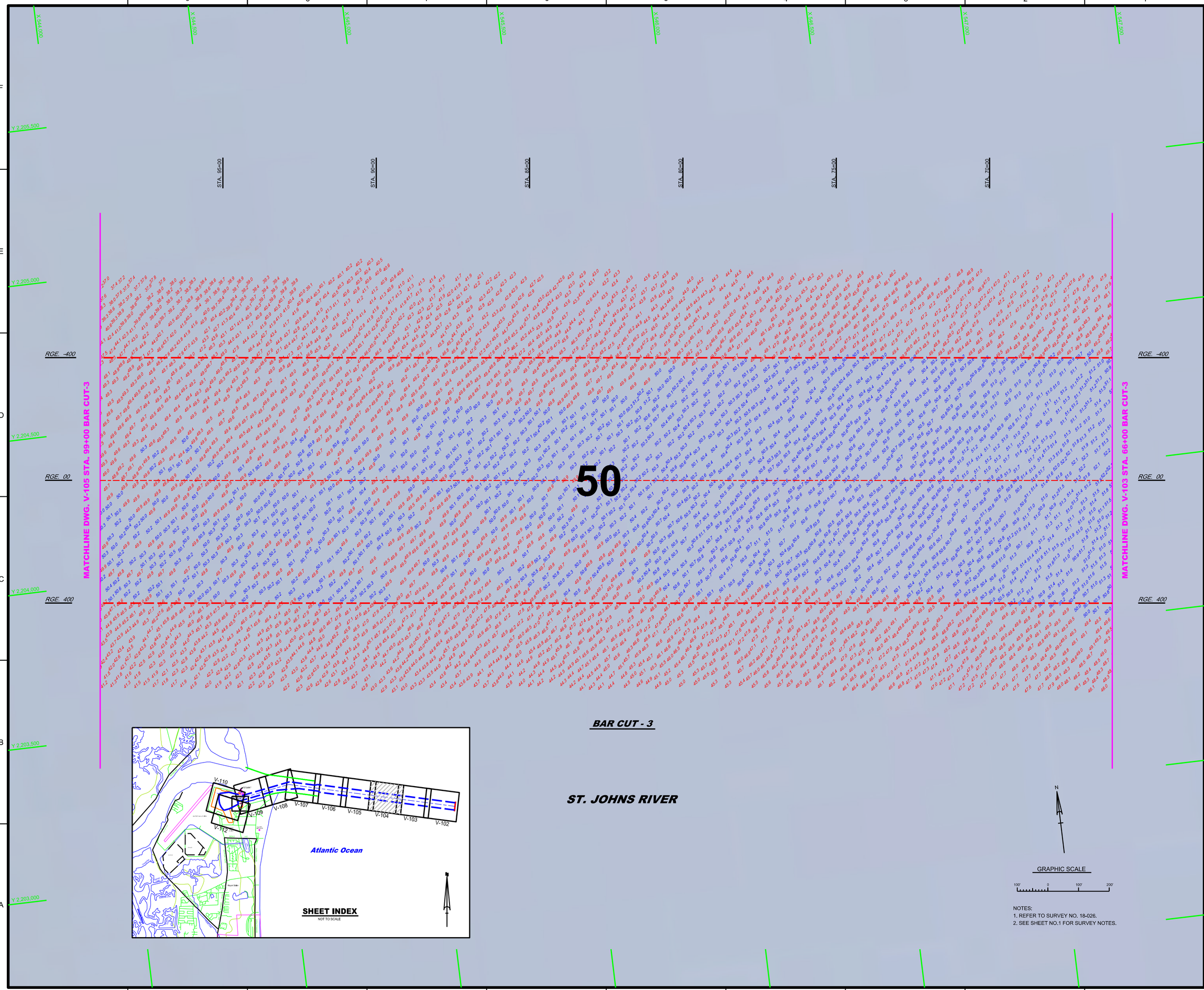
U.S. NAVAL STATION
MAYPORT, FLORIDA

BIMONTHLY EXAMINATION SURVEY - JAN 2018
14, 27, 35 , 42 & 50 - FOOT PROJECT
HYDROGRAPHIC EXAM SURVEY
STA 33+00 TO STA 66+00 BAR CUT-3
PLAN

Scale: AS SHOWN

Drawing no.

V-103



NOTES:
1. REFER TO SURVEY NO. 18-026.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description

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

Cad by:
Designed by:
DWN by: FMW
Ckd by:
Date: JAN 2018

Reference files:
18-026-MAYPORT-V-PLAN-BCR_DGN
18-026-MAYPORT-V-PLAN-BCR_HF.DGN
18-026-V-SOUN_BC3_HF.DGN

18-026-MAYPORT-V-104.DGN
File name:

U.S. NAVAL STATION
MAYPORT, FLORIDA

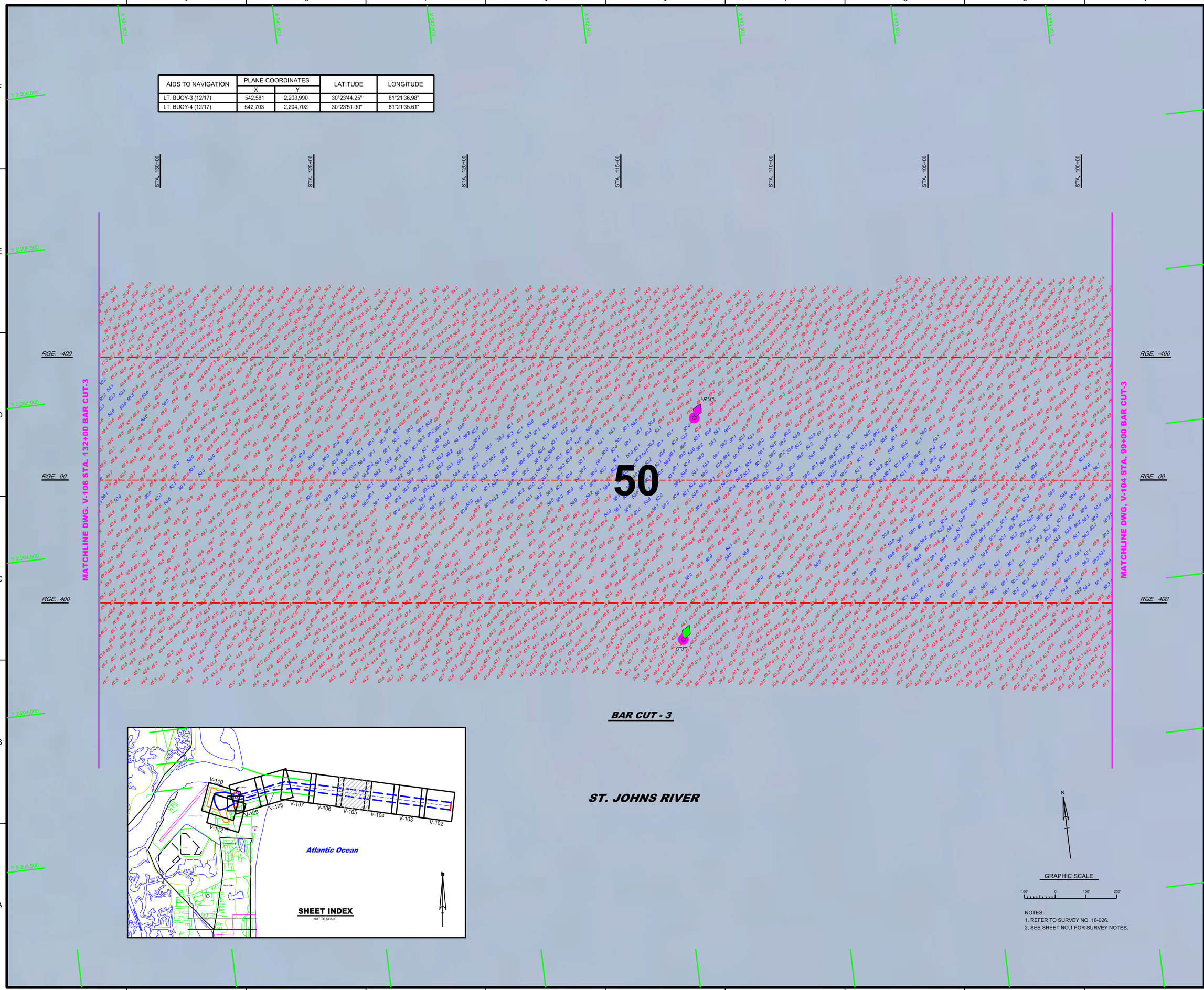
BIMONTHLY EXAMINATION SURVEY - JAN 2018
14, 27, 35 , 42 & 50 - FOOT PROJECT
HYDROGRAPHIC EXAM SURVEY
STA 66+00 TO STA 99+00 BAR CUT-3
PLAN

Scale: AS SHOWN

Drawing no.

V-104

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-3 (12/17)	542,581	2,203,990	30°23'44.25"	81°21'36.98"
LT. BUOY-4 (12/17)	542,703	2,204,702	30°23'51.30"	81°21'35.61"



NOTES:
1. REFER TO SURVEY NO. 18-026.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description

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

Designed by:
Drawn by: FMW
Rev. No.
Date: JAN 2018

Reference files:
18-026-S-FB-BRGR.DGN
MAYPORT-S-ARGIS-CC.DGN
18-026-V-SOUN_BC3_HF.DGN
18-001-V-NAV.DGN

Title name: 18-026-MAYPORT-VH-105.DGN

U.S. NAVAL STATION
MAYPORT, FLORIDA

BIMONTHLY EXAMINATION SURVEY - JAN 2018
14, 27, 35 , 42 & 50 - FOOT PROJECT
HYDROGRAPHIC EXAM SURVEY
STA 99+00 TO STA 132+00 BAR CUT-3
PLAN

Scale: AS SHOWN

Drawing no.

V-105