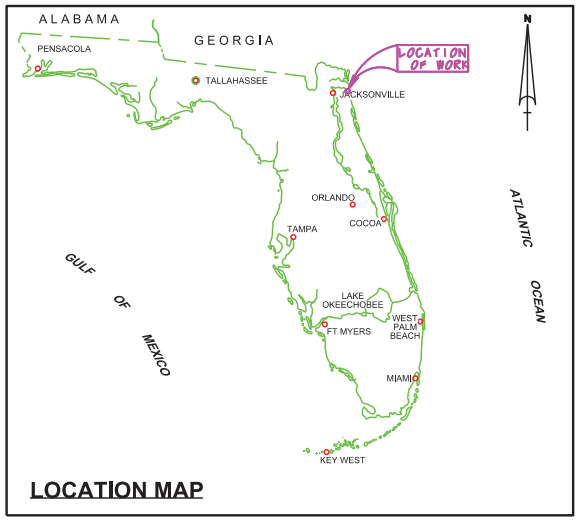


LOCATION MAP

U.S. NAVAL STATION MAYPORT
3RD TRI-ANNUAL EXAMINATION SURVEY
FY15

SHEET INDEX

SURVEY NOTES

1. REFER TO SURVEY NO. 15-166.
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 STA., 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 836B 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	02 SEP 2015	BAR CUT-3
SB-46	05 SEP 2015	TURNING BASIN
SB-46	05 SEP 2015	DESTROYER SLIP
SB-46	05 SEP 2015	SMALL BOAT BASIN
SB-46	05 SEP 2015	ENTRANCE CHANNEL
SB-46	08 SEP 2015	ENTRANCE CHANNEL

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 AND IS NOT TO BE USED FOR NAVIGATION.
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.

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

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

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

Designed by:
Drawn by:
Checked by:
Approved by:
Date: SEP 2015

15-166-SB-BSHDR.DGN
MAYPORT-CHARLEY.DGN

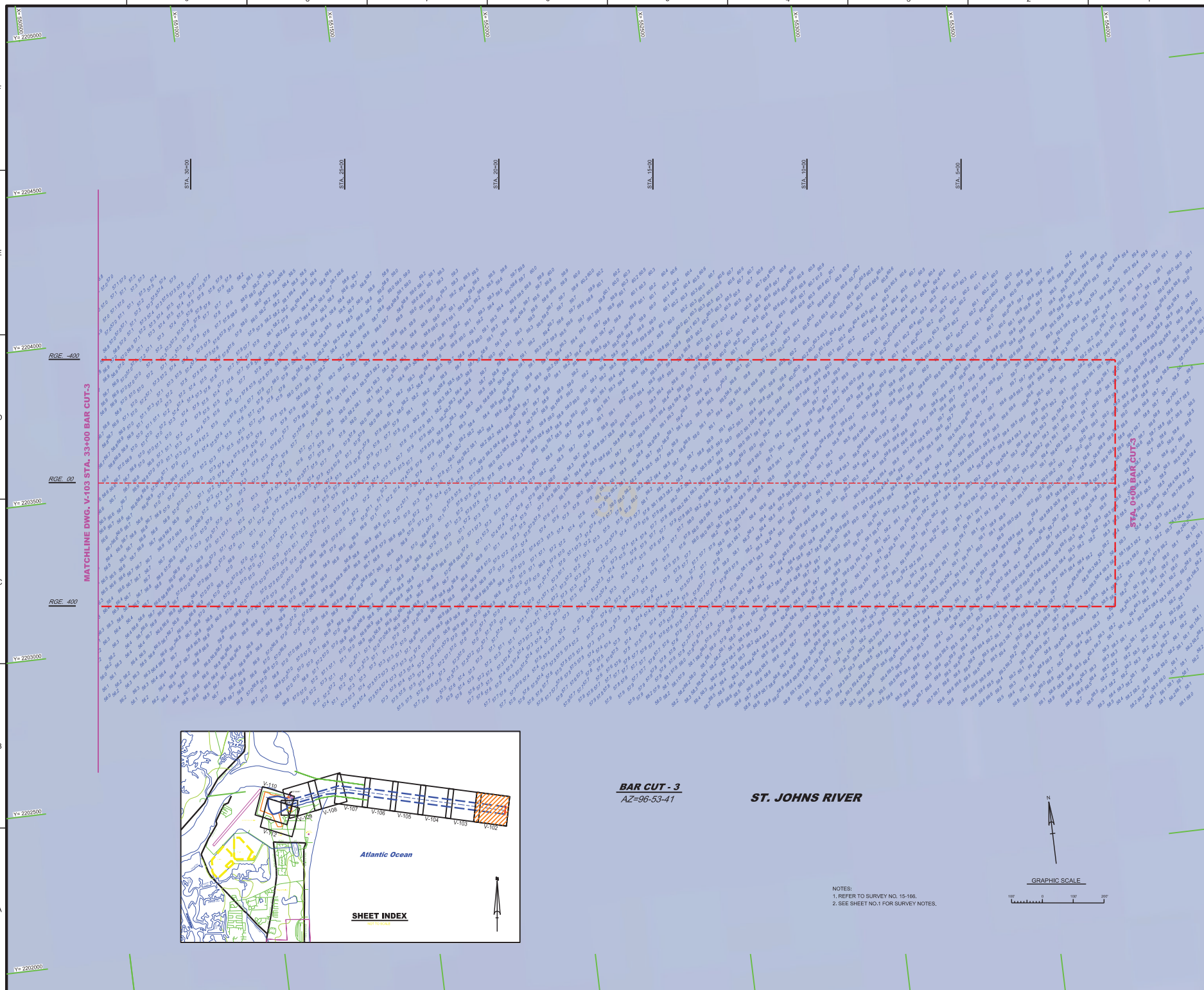
Submitted:
T3-166-MAYPORT-VH-101.DGN

U.S. NAVAL STATION
MAYPORT, FLORIDA
3RD TRI-ANNUAL EXAM FY15
50 - FOOT PROJECT
HYDROGRAPHIC EXAM SURVEY

Scale: AS SHOWN

Drawing no.

VH-101



NOTES:
1. REFER TO SURVEY NO. 15-166.
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: GMR
Date: SEP 2015
Checked by:
Reference files:
15-166-MAYPORT-V4-102.DGN
File name:

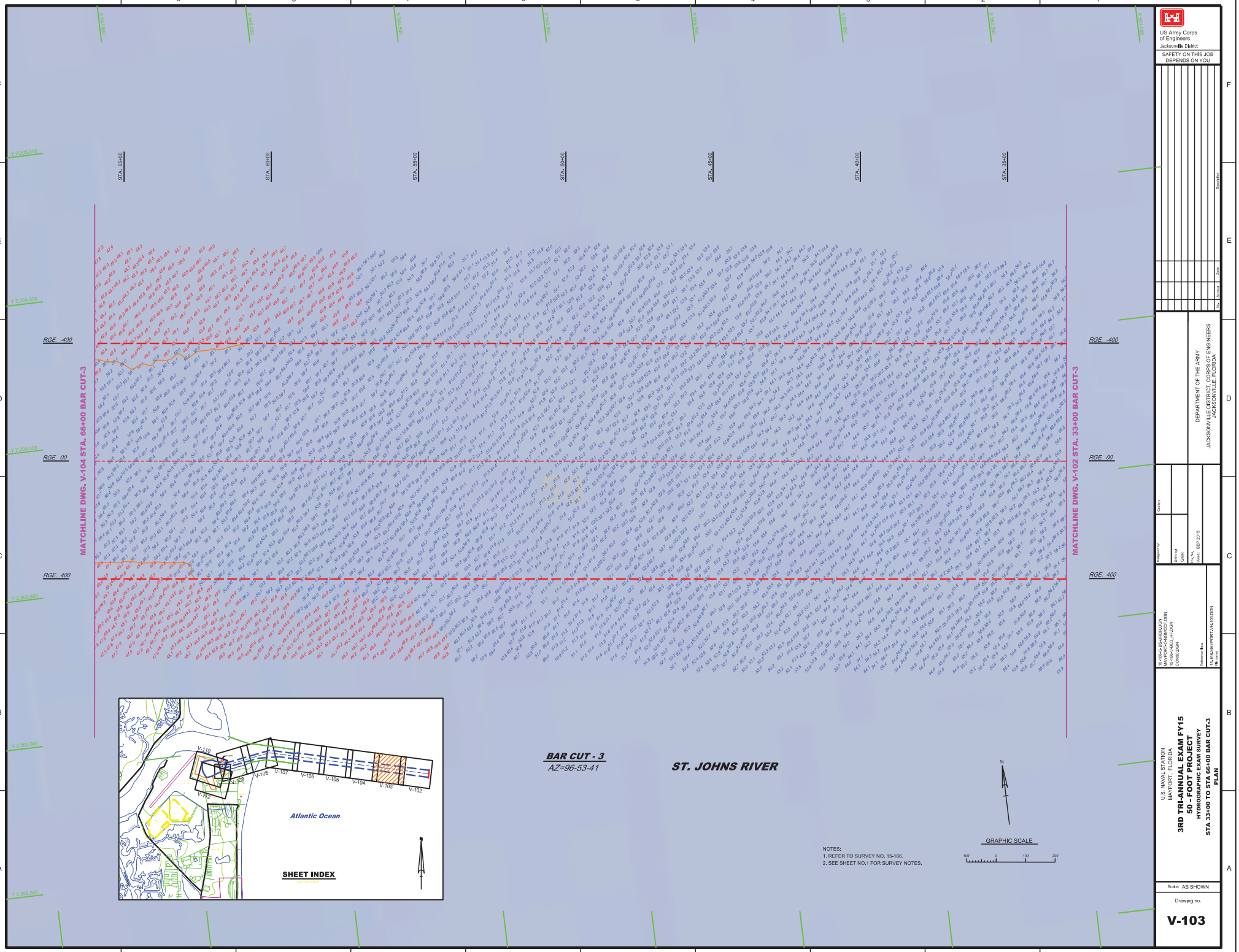
U.S. NAVAL STATION
MAYPORT, FLORIDA

3RD TRI-ANNUAL EXAM FY15
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. 15-166.
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: GMR
Ck. No.: Dwg. SEP 2015

15-166-G-BS-BRDR.DGN
MAYPORT-G-NGMCCF.DGN
15-166-V-BG3_HF.DGN
CONSOLIDGN

Reference files:
15-166-MAYPORT-VH-103.DGN
File name:

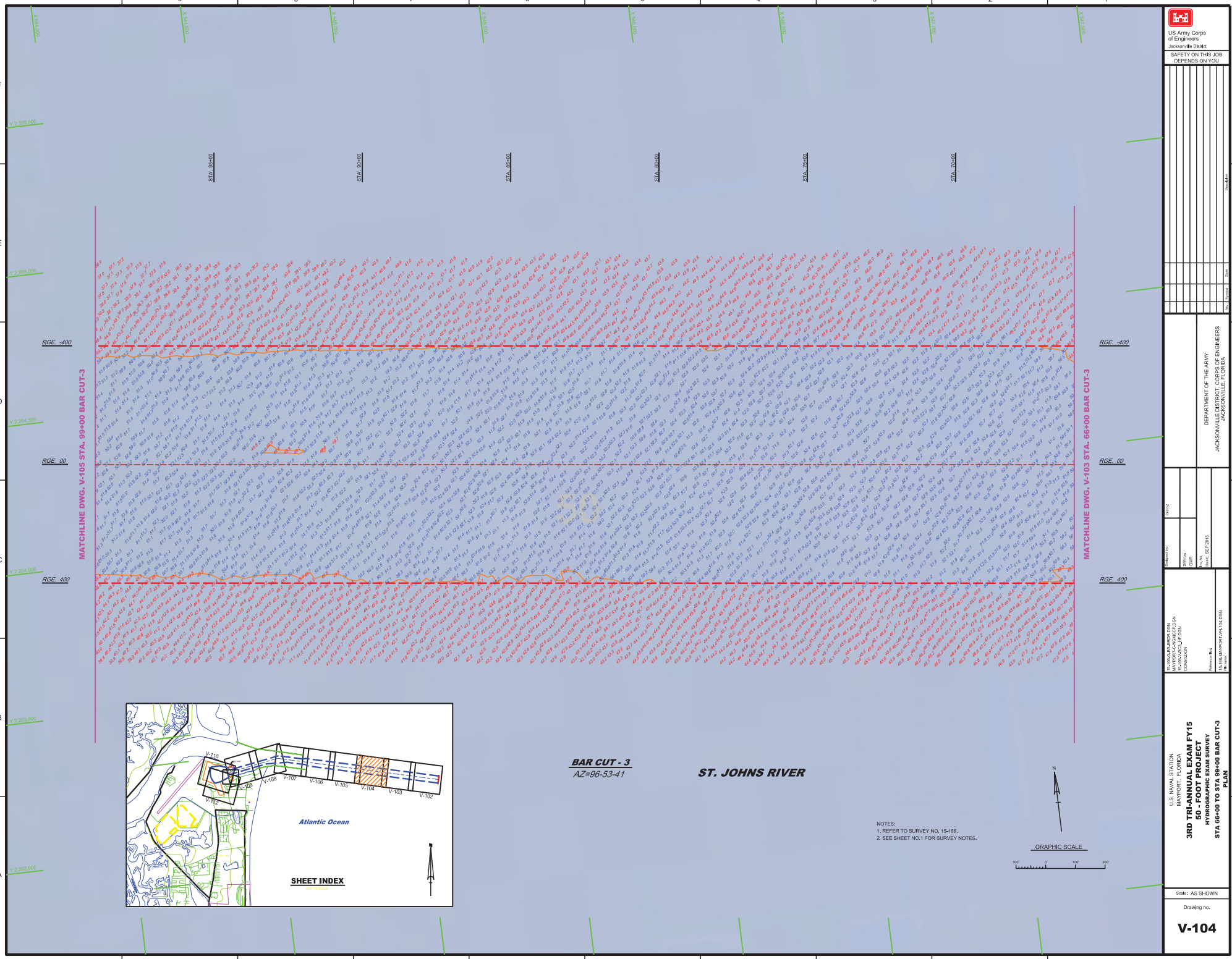
U.S. NAVAL STATION
MAYPORT, FLORIDA

3RD TRI-ANNUAL EXAM FY15
50 - FOOT PROJECT
HYDROGRAPHIC EXAM SURVEY
STA 33+00 TO STA 66+00 BAR CUT-3
PLAN

Scale: AS SHOWN

Drawing no.

V-103


MATCHLINE DWG. V-105 STA. 99+00 BAR CUT-3
MATCHLINE DWG. V-103 STA. 66+00 BAR CUT-3
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RGE. 00
RGE. 400
STA. 99+00
STA. 90+00
STA. 85+00
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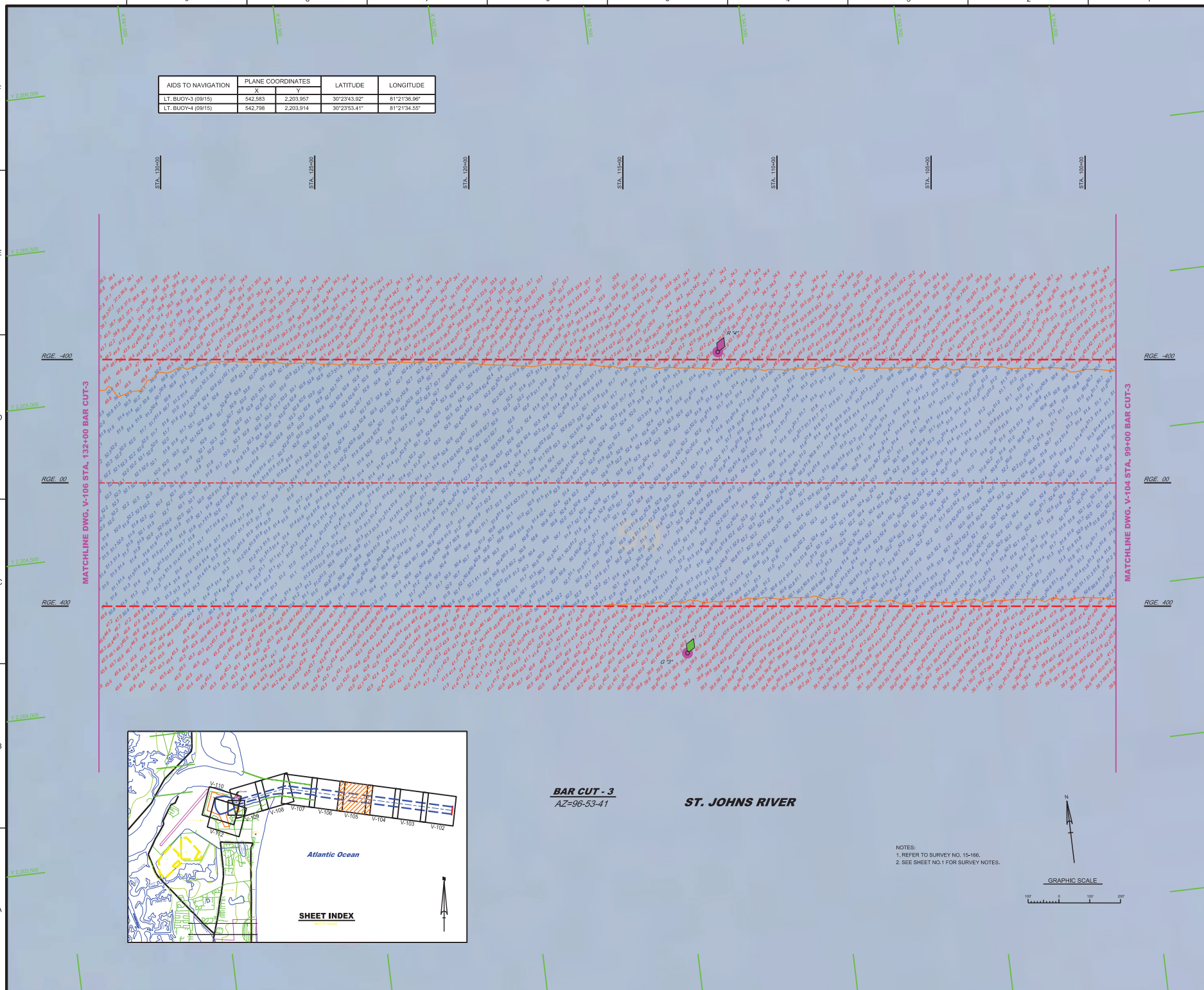
AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-3 (09/15)	542,583	2,203,957	30°23'43.92"	81°21'36.96"
LT. BUOY-4 (09/15)	542,798	2,203,914	30°23'53.41"	81°21'34.55"



NOTES:
1. REFER TO SURVEY NO. 15-166.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

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

Designed by:
Drawn by: GMR
Plot Date: SEP 2015

15-166-SAR5-BRDR.DGN
MAYPORT-CA-NGMCCF.DGN
15-166-V-NAV.DGN
CONOD.DGN

Reference files:
15-166-MAYPORT-VH-105.DGN
File name:

U.S. NAVAL STATION
MAYPORT, FLORIDA

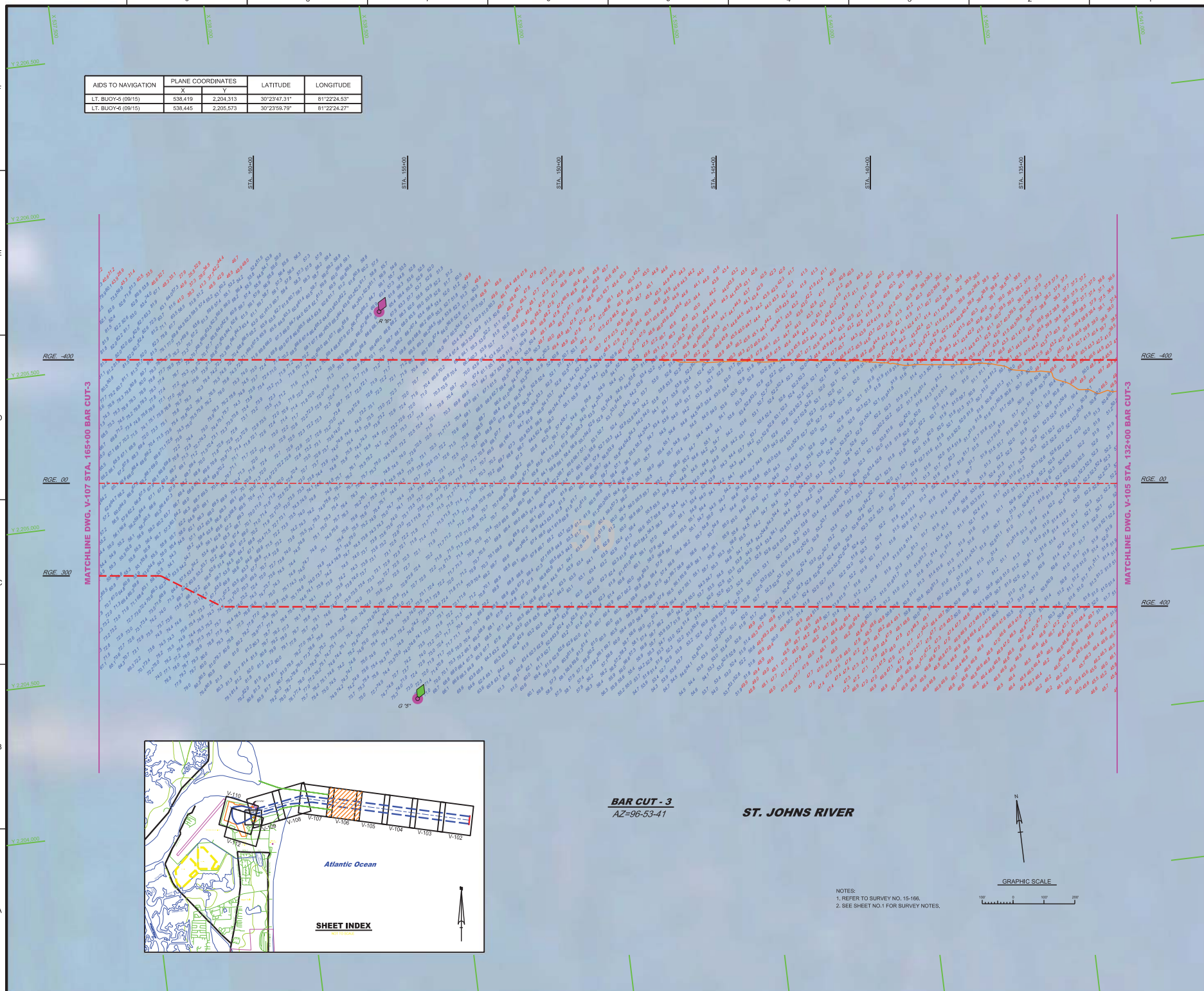
3RD TRI-ANNUAL EXAM FY15
50 - FOOT PROJECT
HYDROGRAPHIC EXAM SURVEY
STA 99+00 TO STA 132+00 BAR CUT-3
PLAN

Scale: AS SHOWN

Drawing no.

V-105

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-5 (09/15)	538,419	2,204,313	30°23'47.31"	81°22'24.53"
LT. BUOY-6 (09/15)	538,445	2,205,573	30°23'59.79"	81°22'24.27"



NOTES:
1. REFER TO SURVEY NO. 15-166.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

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

Designed by:
Drawn by: GMR
Plot Date: SEP 2015

15-166-GAR-BRDR.DGN
MAYPORT-C-NGMCCF.DGN
15-166-V-NG_HR.DGN
15-166-V-NAV.DGN
CON50.DGN

Reference files:
15-166-MAYPORT-VH-106.DGN
File name:

U.S. NAVAL STATION
MAYPORT, FLORIDA

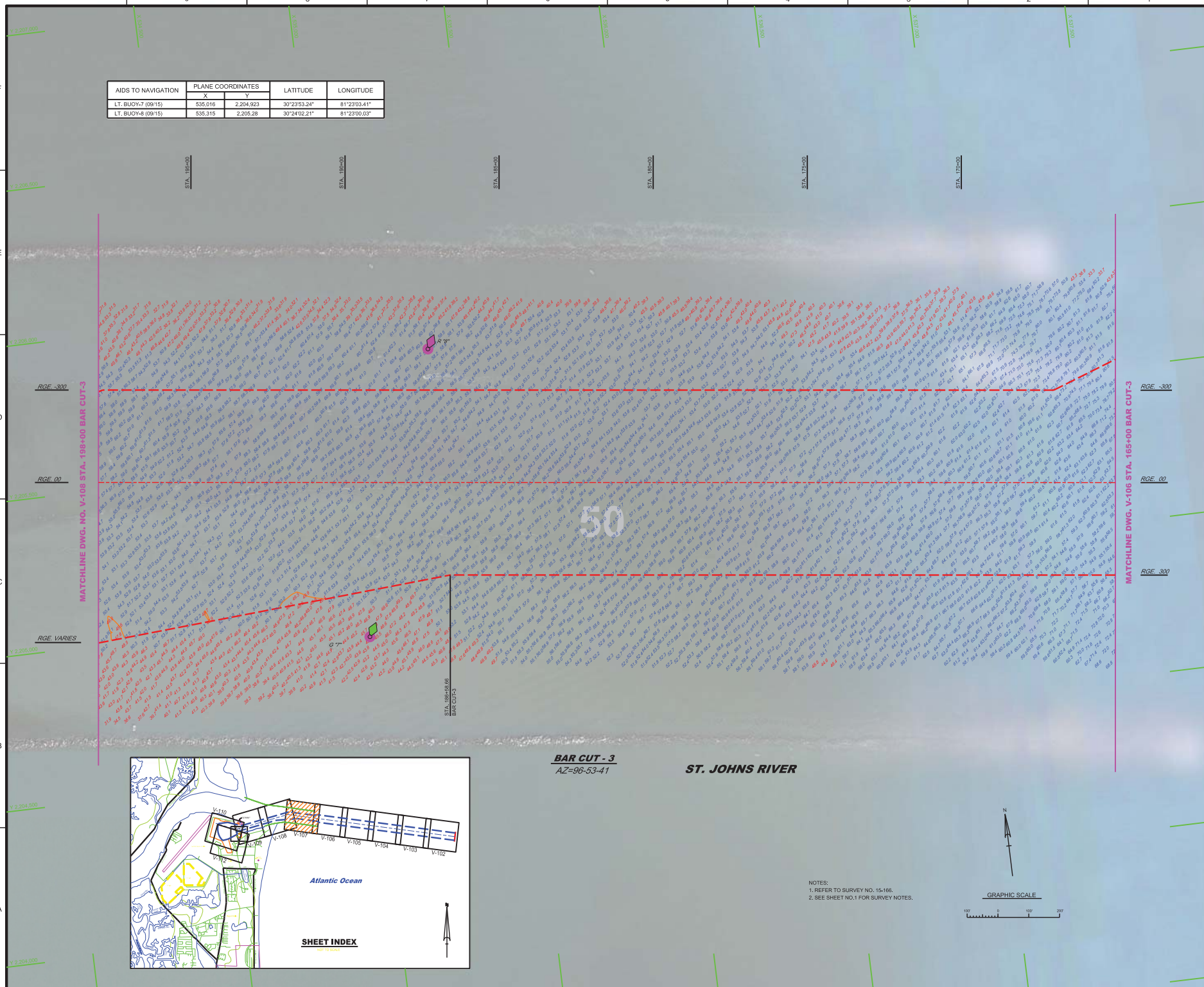
3RD TRI-ANNUAL EXAM FY15
50 - FOOT PROJECT
HYDROGRAPHIC EXAM SURVEY
STA 132+00 TO STA 165+00 BAR CUT-3
PLAN

Scale: AS SHOWN

Drawing no.

V-106

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-7 (09/15)	535,016	2,204,923	30°23'53.24"	81°23'03.41"
LT. BUOY-8 (09/15)	535,315	2,205,28	30°24'02.21"	81°23'00.03"



NOTES:
1. REFER TO SURVEY NO. 15-166.
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: GMR
Date: SEP 2015

15-166-G-BS-BRDR.DGN
MAYPORT-CA-NGMC-DT.DGN
15-166-V-BC3_HP.DGN
15-166-A-NAV.DGN
CON50.DGN

Reference files:
15-166-MAYPORT-VH-107.DGN
File name:

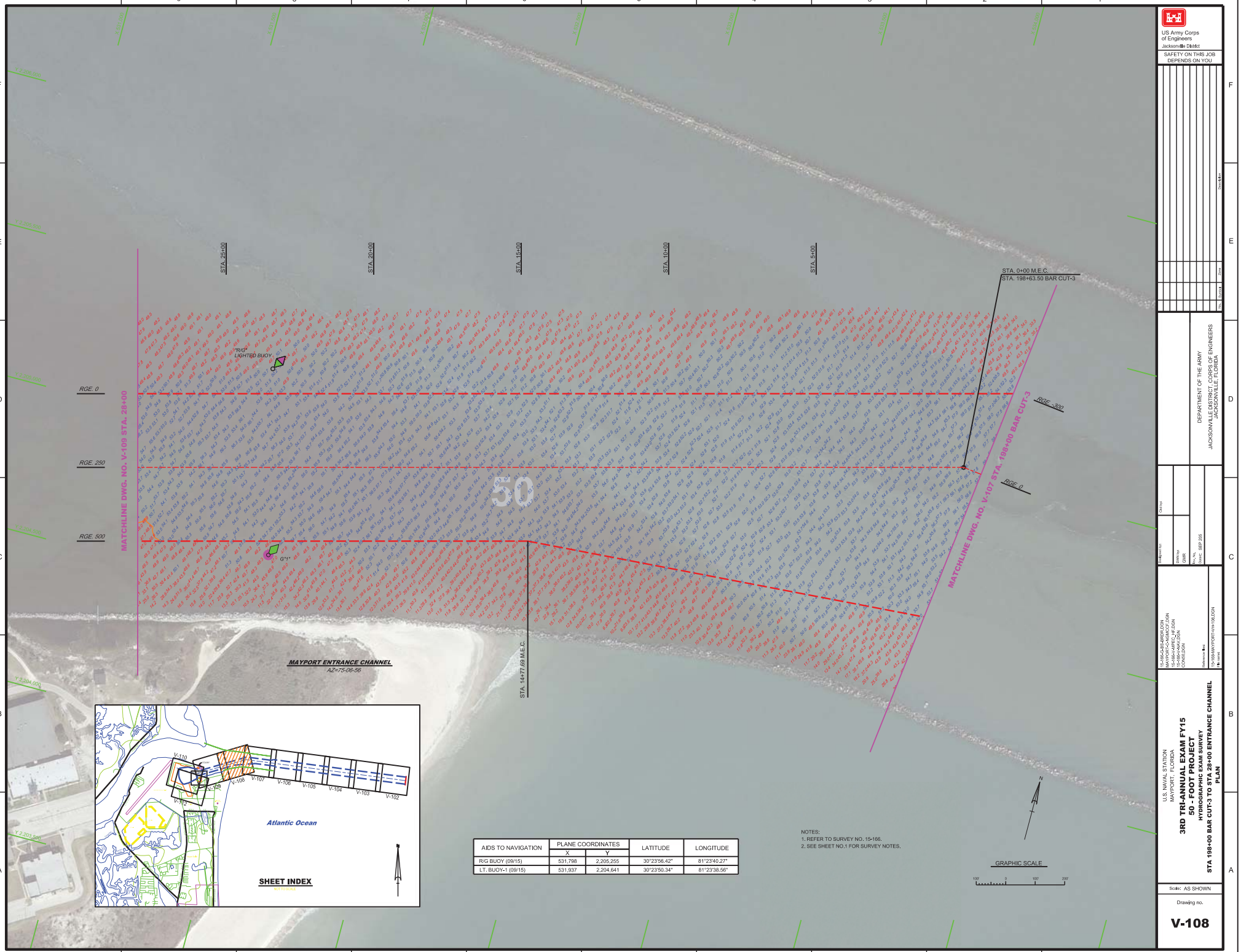
U.S. NAVAL STATION
MAYPORT, FLORIDA

3RD 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



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
R/G BUOY (09/15)	531,798	2,205,255	30°23'56.42"	81°23'40.27"
LT. BUOY-1 (09/15)	531,937	2,204,641	30°23'50.34"	81°23'38.56"

NOTES:
1. REFER TO SURVEY NO. 15-166.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

GRAPHIC SCALE
100' 0 100' 200'

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

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

Surveyed by:
Drawn by:
Checked by:
Approved by:
Date: SEP 205

15-166-GLB-BEARDEN.DGN
15-166-V-CHANNEL-PLAN.DGN
15-166V-GARFIELJP.DGN
15-166V-HAN.DGN
15-166V-LGN

Submitted by:
Date:

T3-166-MAYPORT-V4-108.DGN

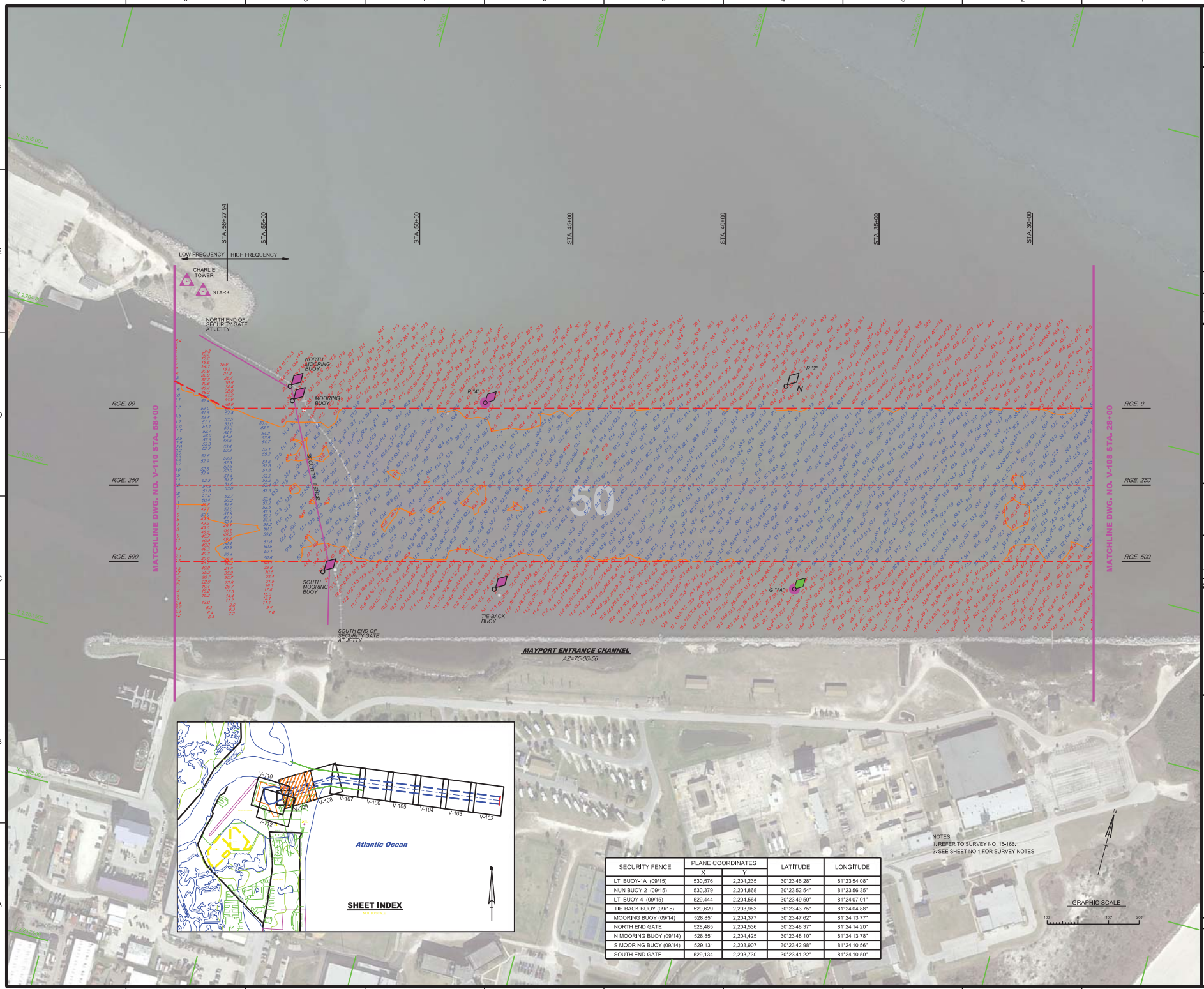
U.S. NAVAL STATION
MAYPORT, FLORIDA

3RD TRI-ANNUAL EXAM FY15
50 - FOOT PROJECT
HYDROGRAPHIC EXAM SURVEY
STA 198+00 BAR CUT-3 TO STA 28+00 ENTRANCE CHANNEL
PLAN

Scale: AS SHOWN

Drawing no.

V-108



SECURITY FENCE	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-1A (09/15)	530,576	2,204,235	30°23'46.28"	81°23'54.08"
NUN BUOY-2 (09/15)	530,379	2,204,868	30°23'52.54"	81°23'56.35"
LT. BUOY-4 (09/15)	529,444	2,204,564	30°23'49.50"	81°24'07.01"
TIE-BACK BUOY (09/15)	529,629	2,203,983	30°23'43.75"	81°24'04.88"
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:
1. REFER TO SURVEY NO. 15-186.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

GRAPHIC SCALE
100' 0 100' 200'

US Army Corps of Engineers
Jacksonville District
SAFETY ON THIS JOB DEPENDS ON YOU

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

Surveyed by:
Drawn by:
Checked by:
Approved by: SEP 2015
Date:

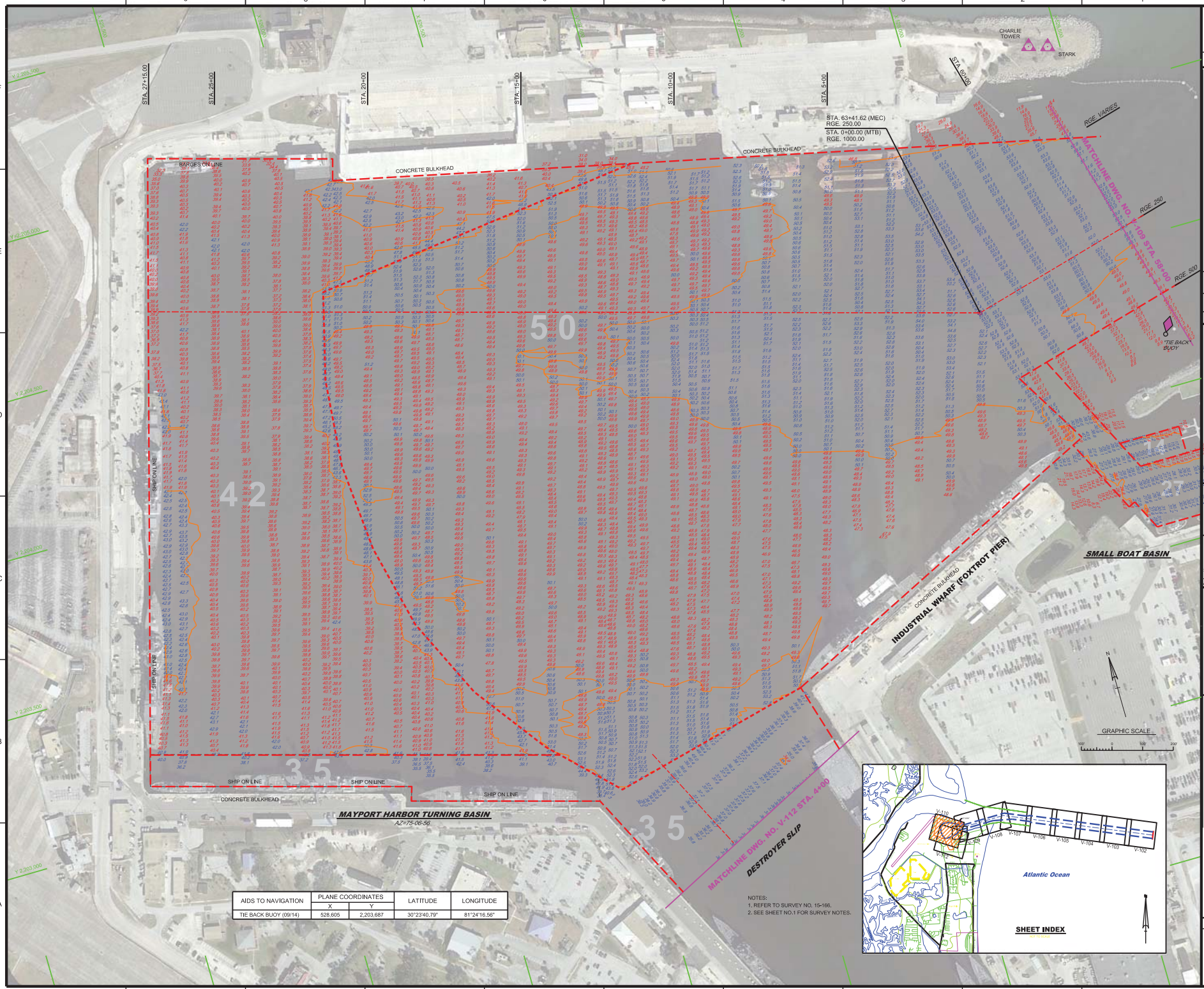
Submitted:
Path:
15-186-A-BEARDEN.DGN
15-186-A-CONTROL.DGN
15-186-V-MPEC_HF.DGN
15-186-V-MPEC_LF.DGN
15-186-V-NAV.DGN
15-186-V-NAV_V.DGN
15-186-V-TOPO.DGN
TOPO.DGN

TX-186-MAYPORT-V-H-108.DGN

U.S. NAVAL STATION
MAYPORT, FLORIDA
3RD TRI-ANNUAL EXAM FY15
50 - FOOT PROJECT
HYDROGRAPHIC EXAM SURVEY
STA 28+00 TO STA 58+00 ENTRANCE CHANNEL
PLAN

Scale: AS SHOWN

Drawing no.
V-109



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
TIE BACK BUOY (09/14)	528,605	2,203,687	30°23'40.79"	81°24'16.56"

NOTES:
1. REFER TO SURVEY NO. 15-166.
2. SEE SHEET NO.1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

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

Designed: CARSC
Drawn: CARSC
Checked: MJE
Approved: MJE
Date: SEP 2015

CONSOLIDON
CONSOLIDGN
CONSOLIDGN
CONSOLIDGN

15-166-GEUBRIDR.DGN
15-166-VAPOS_LP.DGN
15-166-VAPOS_LP.DGN
15-166-VAPOS_LP.DGN
15-450-VAV.DGN
15-450-VAPOS_LP.DGN

Reference files:

T3-166-MAYPORT-V-110.DGN

Sheet no.

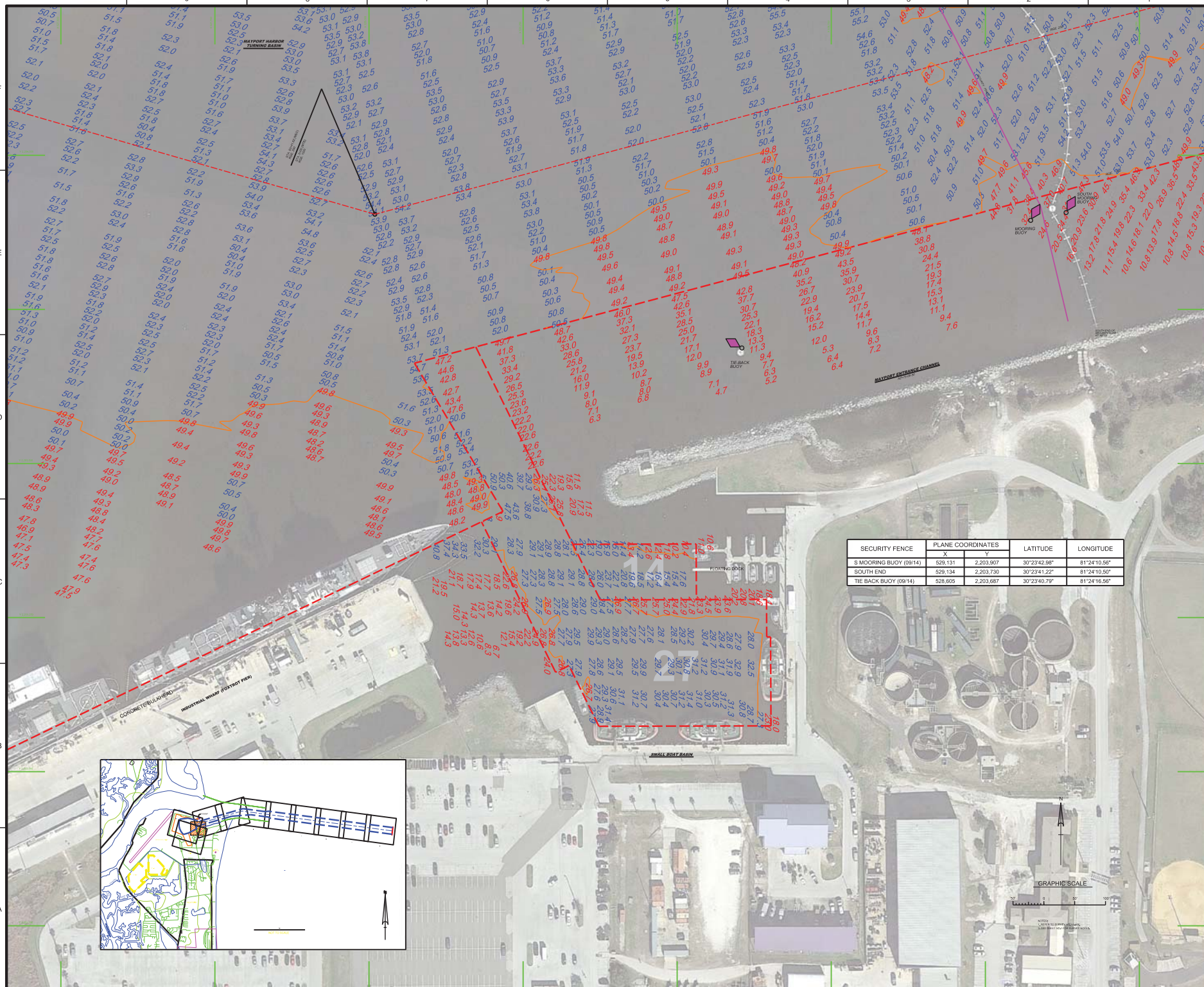
U.S. NAVAL STATION
MAYPORT, FLORIDA

3RD TRI-ANNUAL EXAM FY15
50 - FOOT PROJECT
HYDROGRAPHIC EXAM SURVEY
TURNING BASIN
PLAN

Scale: AS SHOWN

Drawing no.

V-110



SECURITY FENCE	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
S MOORING BUOY (09/14)	529,131	2,203,907	30°23'42.98"	81°24'10.56"
SOUTH END	529,134	2,203,730	30°23'41.22"	81°24'10.50"
TIE BACK BUOY (09/14)	528,605	2,203,687	30°23'40.79"	81°24'16.56"

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

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

Designed by: | Checked by:
Drawn by: GMR
Date: SEP 2015
Plot Scale: 1"=100'
Reference files: 15-166-MAYPORT-VH-111.DGN
File name:

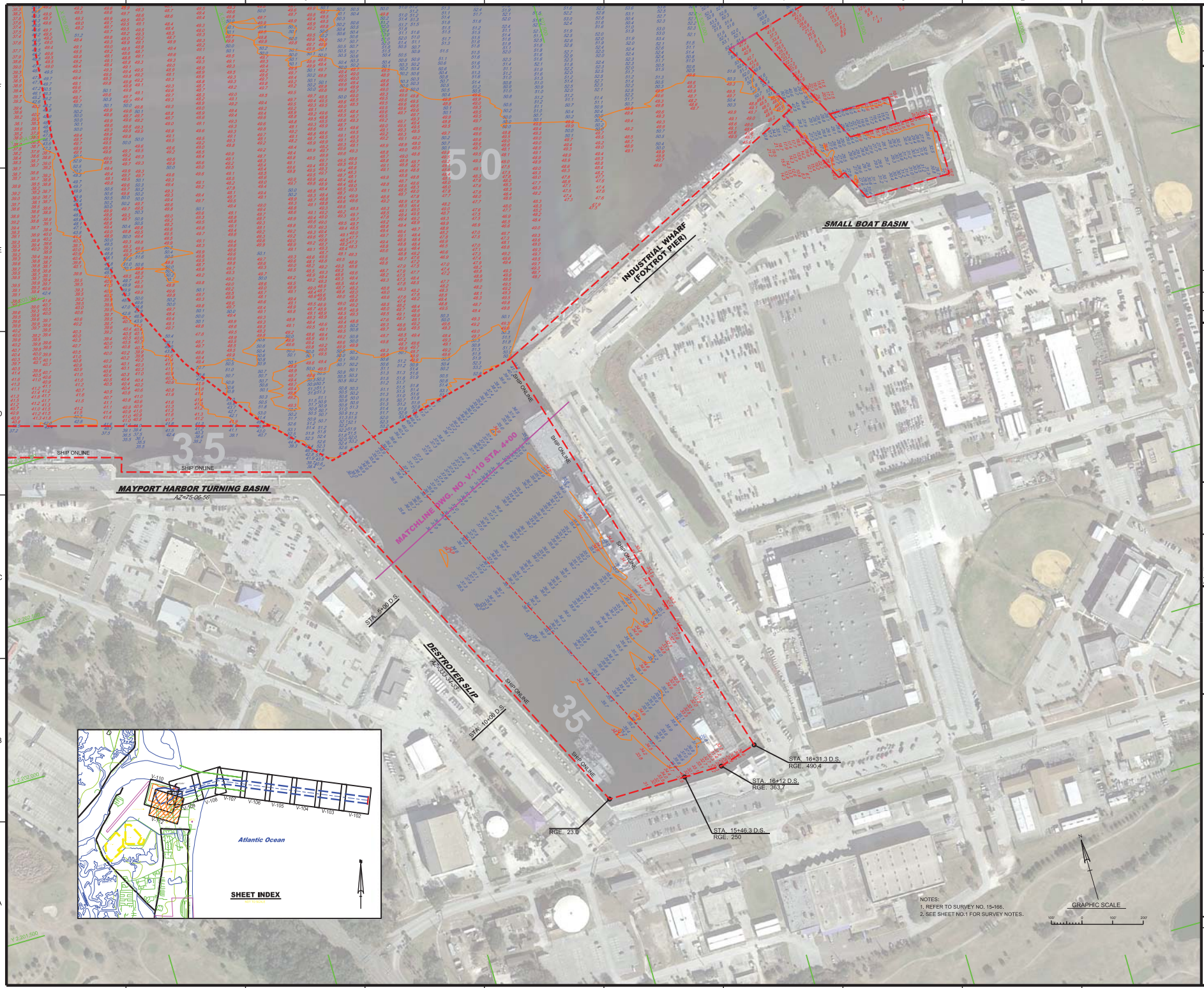
U.S. NAVAL STATION
MAYPORT, FLORIDA

3RD TRI-ANNUAL EXAM FY15
50 - FOOT PROJECT
HYDROGRAPHIC EXAM SURVEY
SMALL BOAT BASIN
PLAN

Scale: AS SHOWN

Drawing no.

V-111



NOTES:
1. REFER TO SURVEY NO. 15-166.
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: | Checked by:
Drawn by: GMR
Rev. No.
Date: SEP 2015

15-166-G-BR5-BRDR.DGN CON27_LF.DGN
15-166-V-MPTB_LF.DGN CON35_LF.DGN
15-166-V-MPRC_LF.DGN CON42_LF.DGN
15-166-V-MPDS_LF.DGN
15-166-V-MPSBB_LF_100SCALE.DGN
CON50.DGN
CON14_LF.DGN
Reference files:
15-166-MAYPORT-VH-112.DGN
File name:

U.S. NAVAL STATION
MAYPORT, FLORIDA

3RD TRI-ANNUAL EXAM FY15
50 - FOOT PROJECT
HYDROGRAPHIC EXAM SURVEY
DESTROYER SLIP
PLAN

Scale: AS SHOWN

Drawing no.

V-112