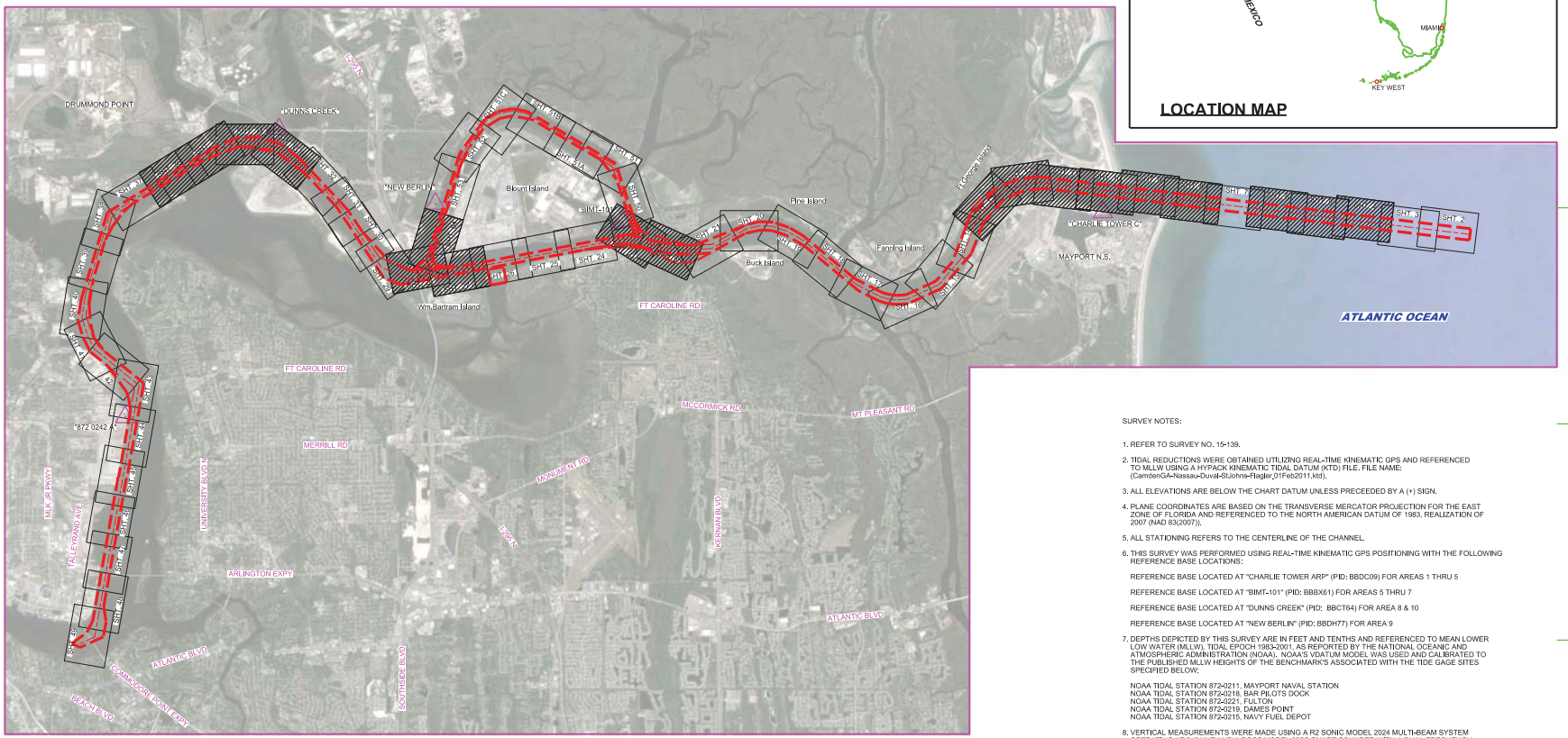
JACKSONVILLE HARBOR, FLORIDA
TEN (10) HOT SPOT SHOAL AREAS
3RD QUARTER EXAM SURVEY FY15

LOCATION MAP



SURVEY NOTES:

1. REFER TO SURVEY NO. 15-139.
2. TIDAL REDUCTIONS WERE OBTAINED UTILIZING REAL-TIME KINEMATIC GPS AND REFERENCED TO MLLW USING A HYPACK KINEMATIC TIDAL DATUM (KTD) FILE. FILE NAME: (CamdenGA-Nassau-Duval-StJohns-Flagler_01Feb2011.ktd).
3. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEEDED BY A (+) SIGN.
4. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE EAST ZONE OF FLORIDA AND REFERENCED TO THE NORTH AMERICAN DATUM OF 1983, REALIZATION OF 2007 (NAD 83(2007)).
5. ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
6. THIS SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC GPS POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATIONS:

   REFERENCE BASE LOCATED AT "CHARLIE TOWER ARP" (PID: BBDC09) FOR AREAS 1 THRU 5

   REFERENCE BASE LOCATED AT "BIMT-101" (PID: BBBX61) FOR AREAS 5 THRU 7

   REFERENCE BASE LOCATED AT "DUNNS CREEK" (PID: BBCT64) FOR AREA 8 & 10

   REFERENCE BASE LOCATED AT "NEW BERLIN" (PID: BBDH77) FOR AREA 9
7. DEPTHS DEPICTED BY THIS SURVEY ARE IN FEET AND TENTHS AND REFERENCED TO MEAN LOWER LOW WATER (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 BENCHMARK'S ASSOCIATED WITH THE TIDE GAGE SITES SPECIFIED BELOW:

   NOAA TIDAL STATION 872-0211, MAYPORT NAVAL STATION
   NOAA TIDAL STATION 872-0218, BAR PILOTS DOCK
   NOAA TIDAL STATION 872-0221, FULTON
   NOAA TIDAL STATION 872-0219, DAMES POINT
   NOAA TIDAL STATION 872-0215, NAVY FUEL DEPOT
8. VERTICAL MEASUREMENTS WERE MADE USING A R2 SONIC MODEL 2024 MULTI-BEAM SYSTEM OPERATING AT 240 KHZ AND A ROSS MODEL 835C SMART SOUNDER WITH A DUAL-FREQUENCY (28 & 200KHZ) SINGLE-BEAM TRANSDUCER. ALL SOUNDINGS SHOWN IN HIGH FREQUENCY.

VESSEL	DATE OF SURVEY	AREA SURVEYED
SB-46	02 JUL 2015	AREA-1, BAR CUT-3, STA 90+00 TO 140+00
SB-46	02 JUL 2015	AREA-2, BAR CUT-3, STA 188+00 TO 197+00
SB-46	02 JUL 2015	AREA-3, BAR CUT-3, STA 217+00 TO 270+00
SB-46	02 JUL 2015	AREA-4, BAR CUT-3, STA 270+00 TO 300+00,
SB-46	02 JUL 2015	AREA-4, CUT 4, STA 0+00 TO 15+38.67
SB-46	23 JUN 2015	AREA-4, CUT-5, STA 0+00 TO 13+58.23
SB-46	23 JUN 2015	AREA-4, CUT-6, STA 0+00 TO 24+72.13
SB-46	23 JUN 2015	AREA-5, CUT-8, STA 24+00 TO 24+66
SB-46	23 JUN 2015	AREA-6, CUT-9, STA 0+00 TO 20+00
SB-46	23 JUN 2015	AREA-6, CUT-11, STA 0+00 TO 6+08.86
SB-46	23 JUN 2015	AREA-6, CUT-12, STA 0+00 TO 4+96.24
SB-46	22 JUN 2015	AREA-7, CUT-40, STA 15+00 TO 25+99.73
SB-46	22 JUN 2015	AREA-7, CUT-41, STA 0+00 TO 32+00
SB-46	19 JUN 2015	AREA-8, CUT-50, STA 6+00 TO 42+00
SB-46	20 JUN 2015	AREA-9, CUT-42, STA 45+00 TO 87+05.93
SB-46	19 JUN 2015	AREA-10, CUT-47, STA 0+00 TO 14+95.71
SB-46	19 JUN 2015	AREA-10, CUT-48, STA 0+00 TO 13+45.45

9. AIDS TO NAVIGATION WERE LOCATED FOR 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 SURVEY.
11. SURVEY ACCURACY 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.

AUTHORIZED PROJECT DEPTH	
42 FT	CUT - 3 (BAR CUT), STA. 0+00 THRU STA. 210+00
40 FT	CUT - 3 (BAR CUT) STA. 210+00 THRU TERMINAL CHANNEL STA. 65+00,
34 FT	TERMINAL CHANNEL, STA. 65+00 THRU STA. 186+21 (APPROX. 1200 FEET UPSTREAM FROM THE HART BRIDGE NEAR COMMODORE POINT),
30 FT	CUT-A, STA. 0+00 THRU 53+10,21
38 FT	OLD RIVER BLOUNT ISLAND (WESTSIDE) CHANNEL CUT-F, STA. 10+00 - NEAR WOODEN FISHING BRIDGE PIER THRU INTERSECTION OF CUT - 42 (DAMES PT. - FULTON CUT - OFF

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

GRAPHIC SCALE
3000' 0 3000' 6000'

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

Checked: JSC
Drawn by: JSC
Date: JUL 2015
Surveyed: BJC
Reviewed: BJC

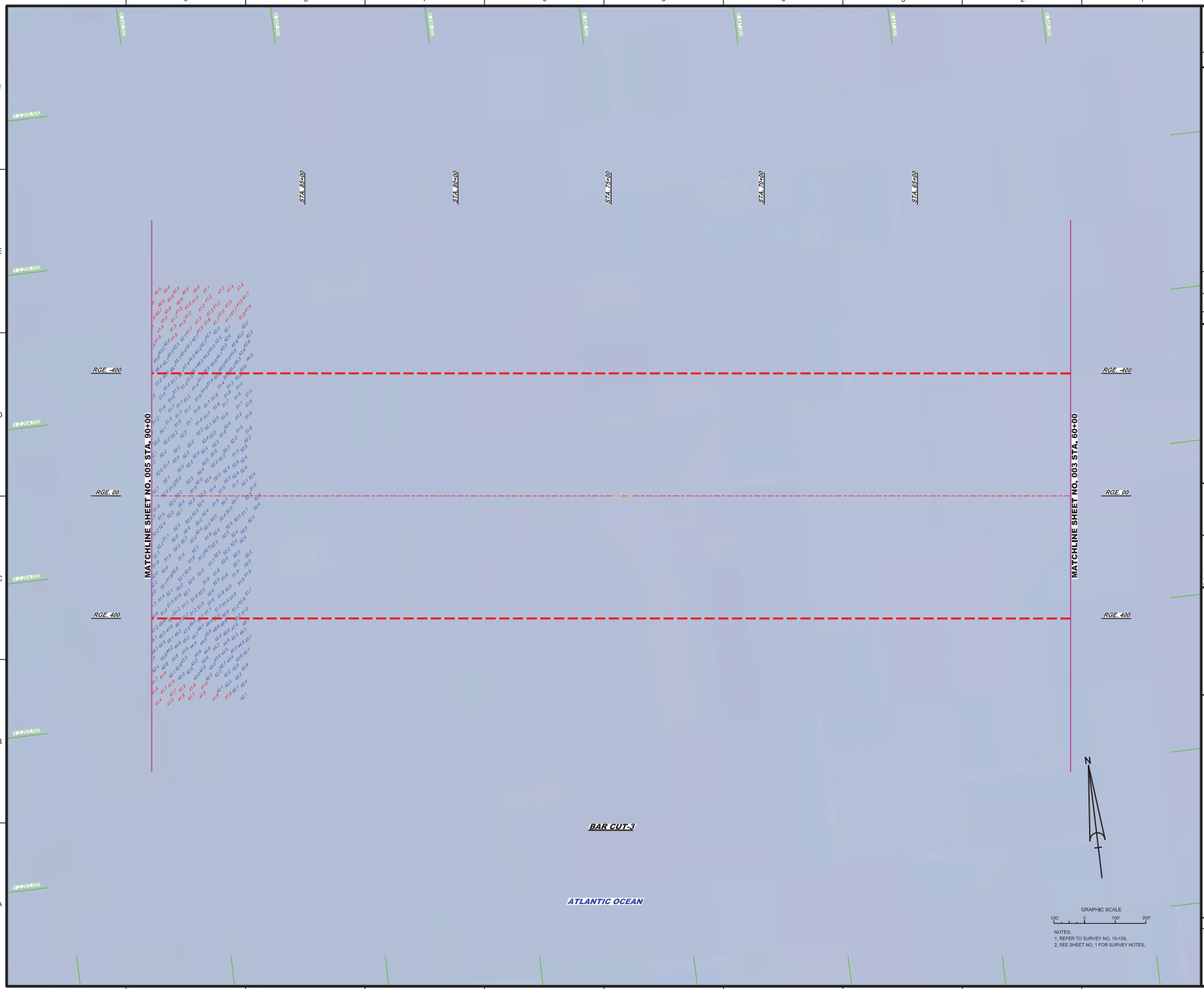
XXXXXXXX-XXXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
15139-Sht-Ind-R2.DGN
TB-15139-HOOP1.DGN
Tie Note

JACKSONVILLE HARBOR, FLORIDA
3rd QUARTER EXAM SURVEY FY15
TEN (10) HOT SPOT SHOAL AREAS
30, 34, 38, 40 & 42-FOOT PROJECT
INDEX, LOCATION AND VICINITY
MAP

Scale: AS SHOWN

Drawing no.
1 / 22

SHEET 01 OF 57



NOTES:
1. REFER TO SURVEY NO. 15-139.
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: WRM
Drawn by: WRM
Checked: JUL 2015
Checked by: DR

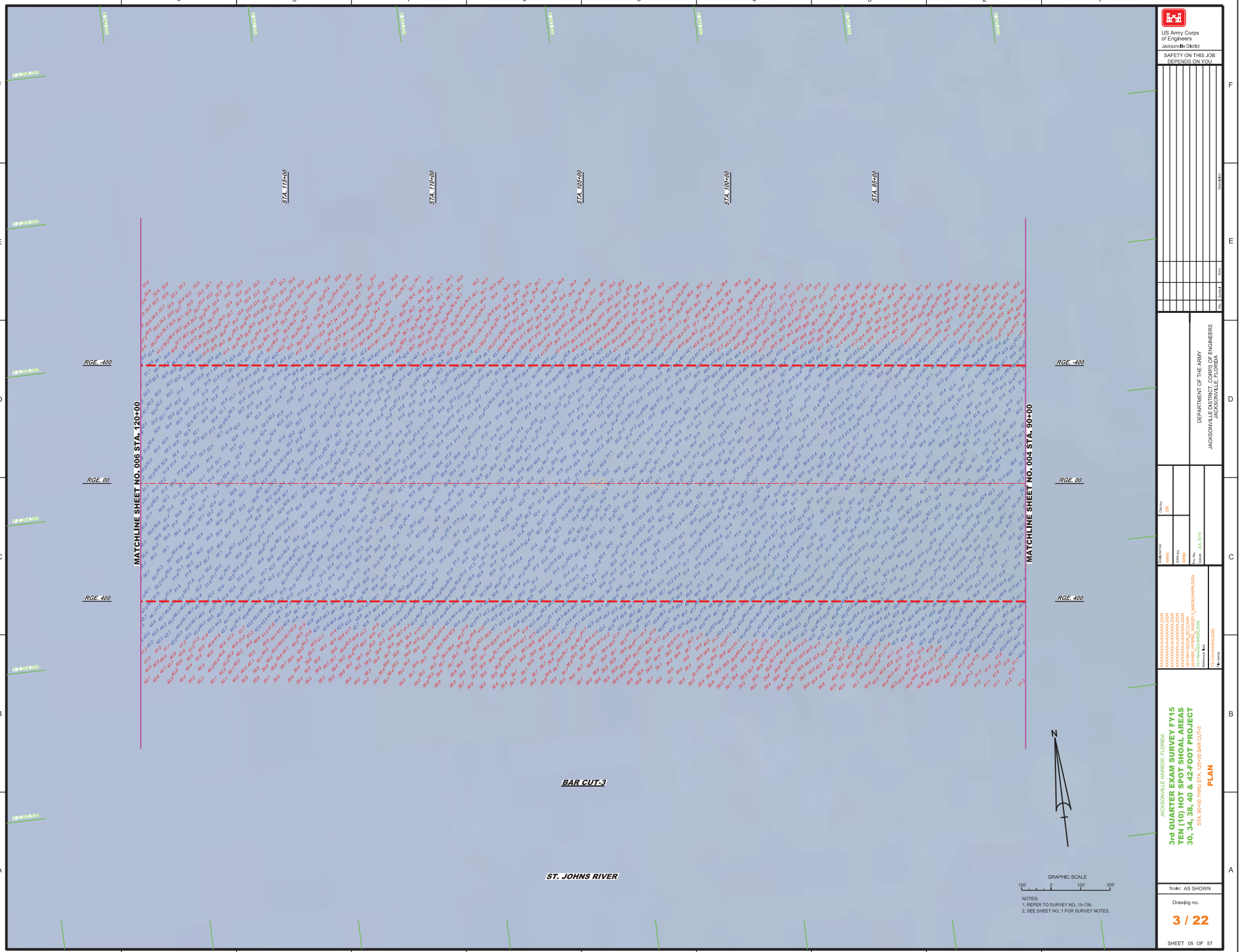
XXXXXXXXX-X-XXXXXX.DGN
XXXXXXXXX-X-XXXXXX.DGN
XXXXXXXXX-X-XXXXXX.DGN
XXXXXXXXX-X-XXXXXX.DGN
XXXXXXXXX-X-XXXXXX.DGN
15-139-H-SOUN_BCL.DGN
JAXHER_HYBRID_MAG2013_NAD83HARN.DGN
15-139-C-BIS-BR2.DGN
Reference files:
15-139-H-HOM.DGN
File name:

JACKSONVILLE HARBOR, FLORIDA
3rd QUARTER EXAM SURVEY FY15
TEN (10) HOT SPOT SHOAL AREAS
30, 34, 38, 40 & 42-FOOT PROJECT
STA. 60+00 THRU STA. 90+00 BAR CUT-3
PLAN

Scale: AS SHOWN

Drawing no.
2 / 22

SHEET 04 OF 57



NOTES:
1. REFER TO SURVEY NO. 15-139.
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: VRM
Drawn by: VRM
Checked by: DR
Date: JUL 2015

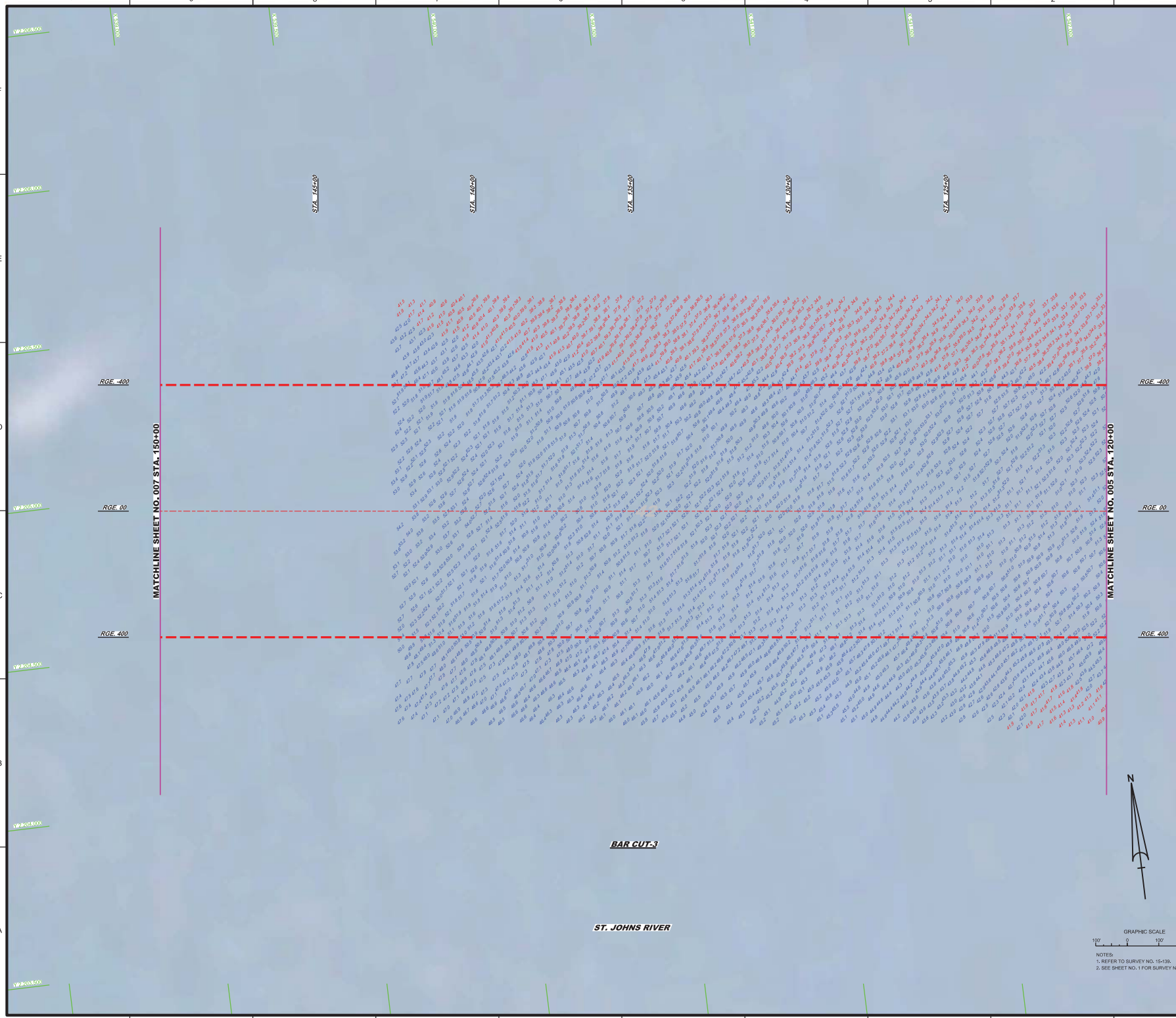
XXXXXXXXX-XXXXXXXX.DGN
XXXXXXXXX-XXXXXXXX.DGN
XXXXXXXXX-XXXXXXXX.DGN
XXXXXXXXX-XXXXXXXX.DGN
XXXXXXXXX-XXXXXXXX.DGN
15-139-SHOAL_BCL.DGN
JAXVER_HYBRID_MAR2013_NAD83HARN.DGN
15-139-SHOAL_BCL.DGN
Reference list:
15-139-SHOAL_BCL.DGN
File name:

JACKSONVILLE HARBOR, FLORIDA
3rd QUARTER EXAM SURVEY FY15
TEN (10) HOT SPOT SHOAL AREAS
30, 34, 38, 40 & 42-FOOT PROJECT
STA. 90+00 THRU STA. 120+00 BAR CUT-3
PLAN

Scale: AS SHOWN

Drawing no.
3 / 22

SHEET 05 OF 57



NOTES:
1. REFER TO SURVEY NO. 15-139.
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: VRM
Drawn by: VRM
Checked by: DR
Date: JUL 2015

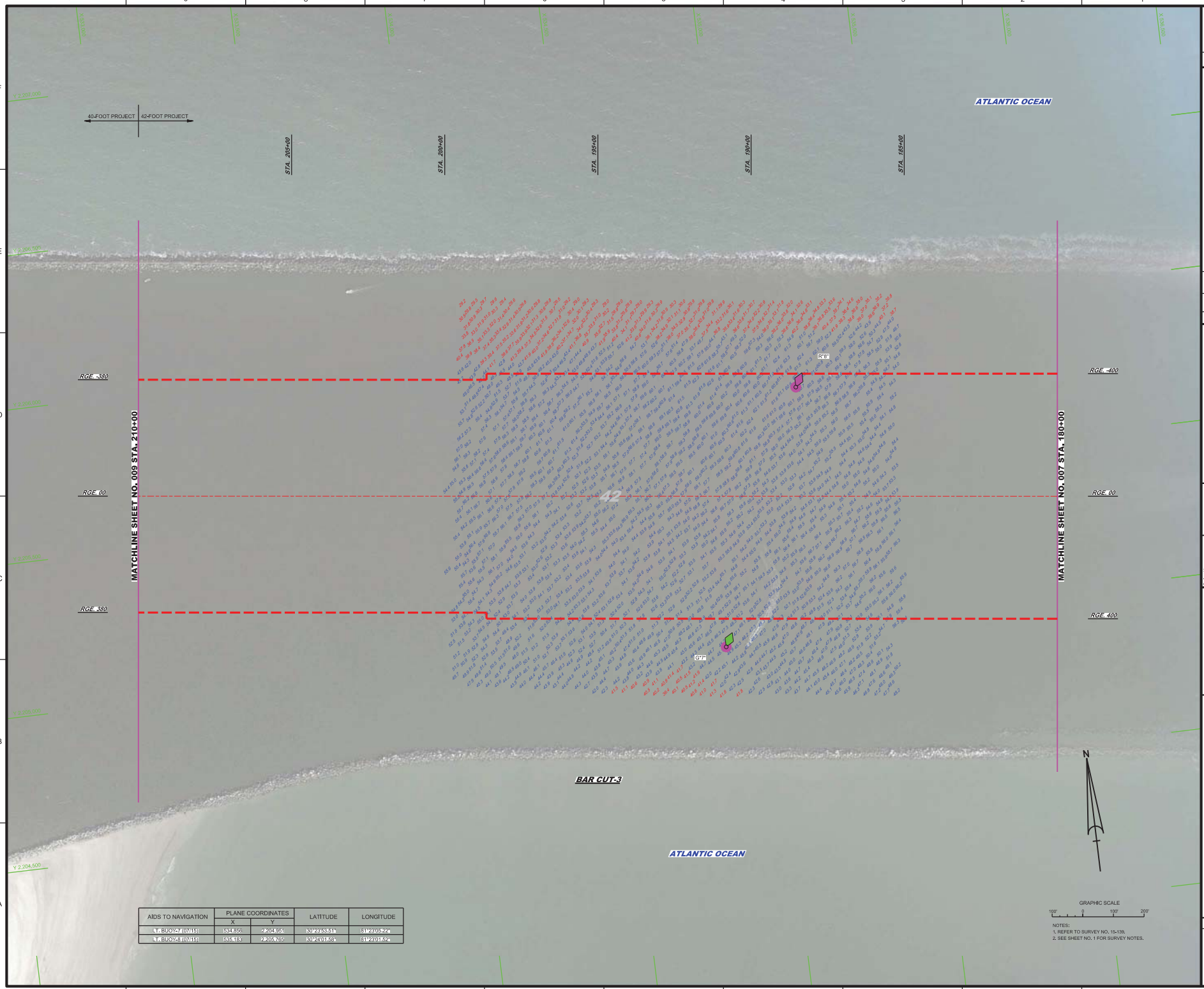
XXXXXXXXX-X-XXXXXXX.DGN
XXXXXXXXX-X-XXXXXXX.DGN
XXXXXXXXX-X-XXXXXXX.DGN
XXXXXXXXX-X-XXXXXXX.DGN
XXXXXXXXX-X-XXXXXXX.DGN
15-139-XSGUIDE_BCLI.DGN
JAXHER_H-TERD_MAG2013_NAD83HARN.DGN
15-139-CS-BC-BIRD.DGN
Reference list:
1-1-139-H-H-006.DGN
File name:

JACKSONVILLE HARBOR, FLORIDA
3rd QUARTER EXAM SURVEY FY15
TEN (10) HOT SPOT SHOAL AREAS
30, 34, 38, 40 & 42-FOOT PROJECT
STA. 120+00 THRU STA. 150+00 BAR CUT-3
PLAN

Scale: AS SHOWN

Drawing no.
4 / 22

SHEET 06 OF 57



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-7 (07/15)	534.856	2,204.951	30°23'53.51"	81°23'05.22"
LT. BUOY-9 (07/15)	535.183	2,205.765	30°23'01.58"	81°23'01.52"

NOTES:
1. REFER TO SURVEY NO. 15-139.
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: VRM
Drawn by: VRM
Checked by: CR
Date: JAN 2015

XXXXXXXXX-XXXXXXXX.DGN
XXXXXXXXX-XXXXXXXX.DGN
XXXXXXXXX-XXXXXXXX.DGN
XXXXXXXXX-XXXXXXXX.DGN
15-139-N-NAV.DGN
15-139-N-NAV.DGN
15-139-N-NAV.DGN
JAXHER_HYBRID_MAG2013_NAD83HARN.DGN
15-022-C-SB-BUOY.DGN
Reference files:
15-139-N-NAV.DGN
File name:

JACKSONVILLE HARBOR, FLORIDA

ANNUAL EXAMINATION SURVEY FY15
30, 34, 38, 40 & 42-FOOT PROJECT

STA. 180+00 THRU STA. 210+00 BAR CUT-3

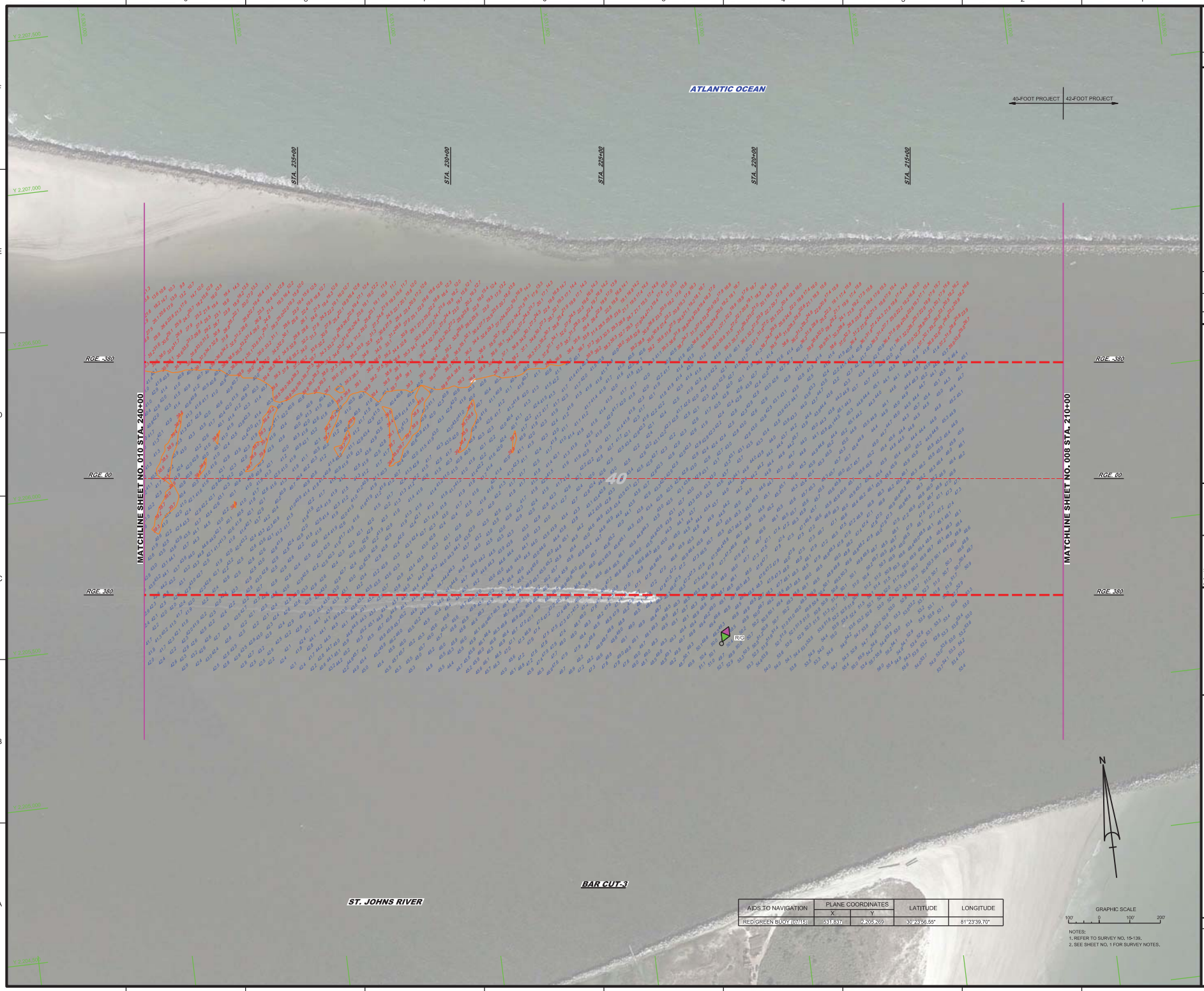
PLAN

Scale: AS SHOWN

Drawing no.

5 / 22

SHEET 08 OF 57



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
RED GREEN BUOY (07/15)	531,837	2,205,269	30°23'56.55"	81°23'39.70"

NOTES:
1. REFER TO SURVEY NO. 15-139.
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: V/RM
Drawn by: V/RM
Checked by: DR
Date: JUL 2015

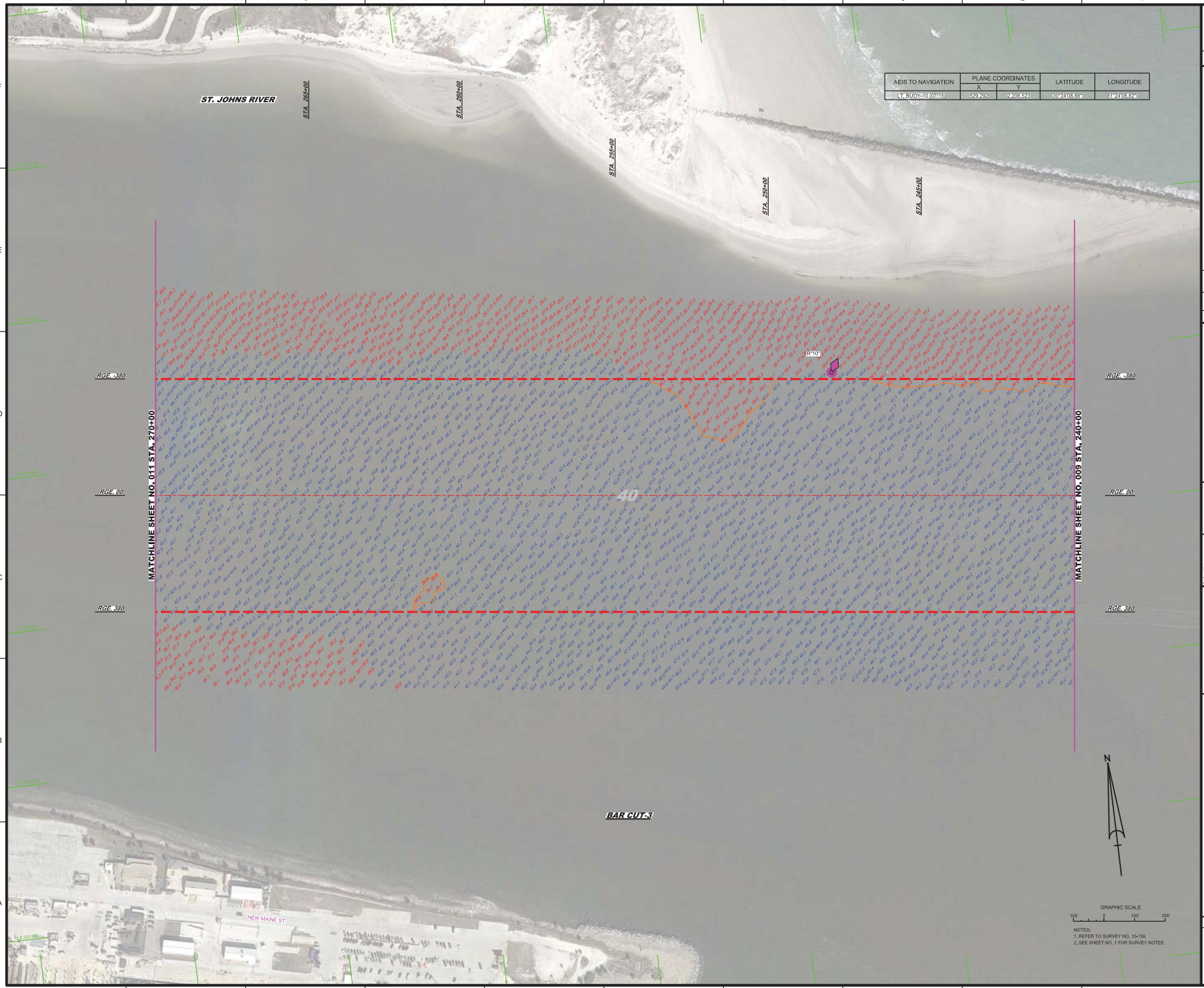
XXXXXXXXX-XXXXXXXX.DGN
XXXXXXXXX-XXXXXXXX.DGN
XXXXXXXXX-XXXXXXXX.DGN
15-139-V-ANAV.DGN
15-139-V-SOUN_BICL.DGN
JAX_HYBRID_MAG2013_NAD83HARN.DGN
15-139-C-BB-BRDR.DGN
Reference files:
15-139-H-XXX.DGN
File name:

JACKSONVILLE HARBOR, FLORIDA
3rd QUARTER EXAM SURVEY FY15
TEN (10) HOT SPOT SHOAL AREAS
30, 34, 38, 40 & 42-FOOT PROJECT
STA. 210+00 THRU STA. 240+00 BAR CUT-3
PLAN

Scale: AS SHOWN

Drawing no.
6 / 22

SHEET 09 OF 57



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-10 (07415)	529,292.	2,206,523.	30°24'08.88"	81°24'08.82"

NOTES:
1. REFER TO SURVEY NO. 15-139.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Revision	By	Date

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

Chk'd by: RJC
Drawn by: JMS
Date: JUL 2015

XXXXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXXXX.DGN
15-139-CADD\PLOTS\
15-139-CADD\PLOTS\PLOT_SHEETS_NAD83HARN.DGN
15-139-CADD\SURVEY\
15-139-CADD\SURVEY\SURVEY_NAD83HARN.DGN
15-139-CADD\SURVEY\
Reference files:
15-139-CADD\SURVEY\
File name:

JACKSONVILLE HARBOR, FLORIDA
3rd QUARTER EXAM SURVEY FY15
TEN (10) HOT SPOT SHOAL AREAS
30, 34, 38, 40 & 42-FOOT PROJECT
STA. 240+00 THRU STA. 270+00 BAR CUT-3
PLAN

Scale: AS SHOWN

Drawing no.
7 / 22

SHEET 10 OF 57

NOTES:
1. REFER TO SURVEY NO. 15-139.
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: VIRM
Drawn by: VIRM
Checked: JUL 2015
Plot Date: JUL 2015

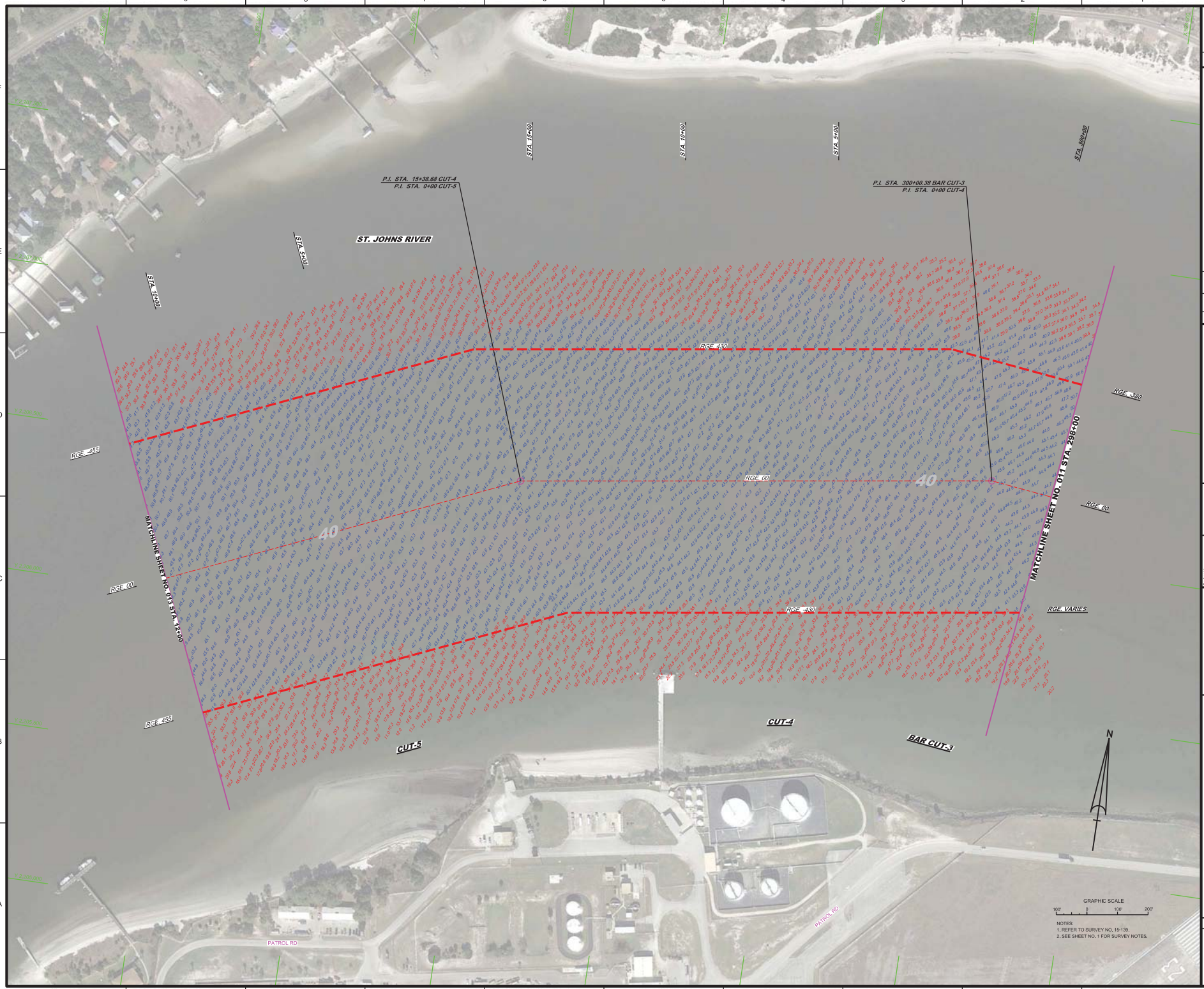
XXXXXXXXX-X-XXXXXXX.DGN
XXXXXXXXX-X-XXXXXXX.DGN
XXXXXXXXX-X-XXXXXXX.DGN
15-139-X-CON40.DGN
15-139-X-SOUN_C4.DGN
15-139-X-SOUN_BIC1.DGN
JAXHER_FYTEND_MAG2013_NAD83HARN.DGN
15-139-C-BIC-BIC6.DGN
Reference list:
15-139-FY-01.DGN
File name:

JACKSONVILLE HARBOR, FLORIDA
3rd QUARTER EXAM SURVEY FY15
TEN (10) HOT SPOT SHOAL AREAS
30, 34, 38, 40 & 42-FOOT PROJECT
STA. 270+00 THRU STA. 298+00 BAR CUT-3
PLAN

Scale: AS SHOWN

Drawing no.
8 / 22

SHEET 11 OF 57



NOTES:
1. REFER TO SURVEY NO. 15-139.
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: VRM
Drawn by: VRM
Checked: JLR
Rev. No.
Date: JUL 2015

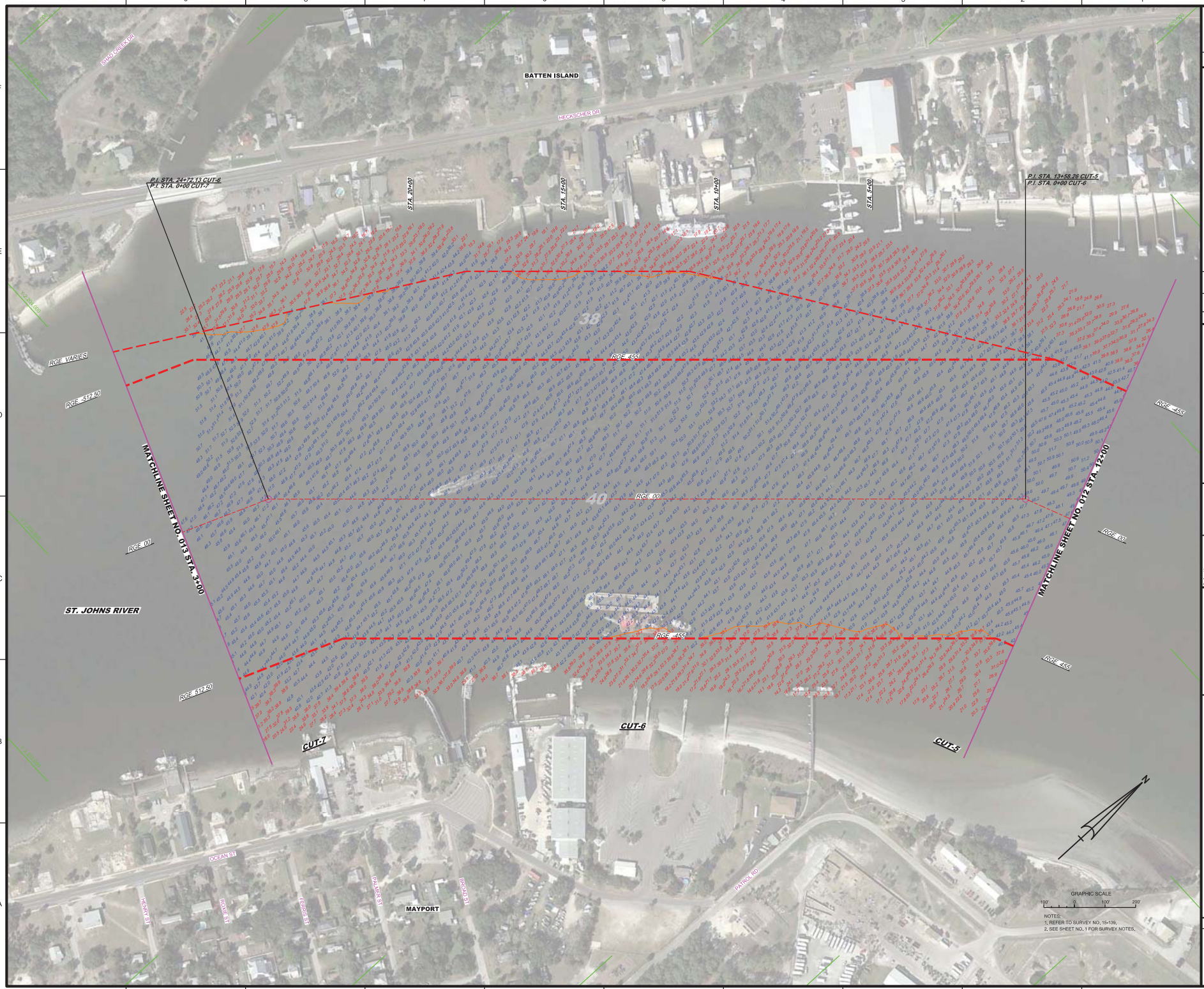
XXXXXXXXX-XXXXXXXX.DGN
XXXXXXXXX-XXXXXXXX.DGN
15-139-X-CONNO.DGN
15-139-X-SOUN_C2.DGN
15-139-X-SOUN_C4.DGN
15-139-X-SOUN_BC1.DGN
JAXHER_HYBRID_MAG2013_NACKSHARN.DGN
15-139-C-BK-BRDR.DGN
Reference files:
15-139-PH-012.DGN
File name:

JACKSONVILLE HARBOR, FLORIDA
3rd QUARTER EXAM SURVEY FY15
TEN (10) HOT SPOT SHOAL AREAS
30, 34, 38, 40 & 42-FOOT PROJECT
STA. 298+00 BAR CUT-3 THRU STA. 12+00 CUT-5
PLAN

Scale: AS SHOWN

Drawing no.
9 / 22

SHEET 12 OF 57



NOTES:
1. REFER TO SURVEY NO. 15-139.
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: VRM
Drawn by: VRM
Checked by: CDR
Rev. No.
Date: JUL 2015

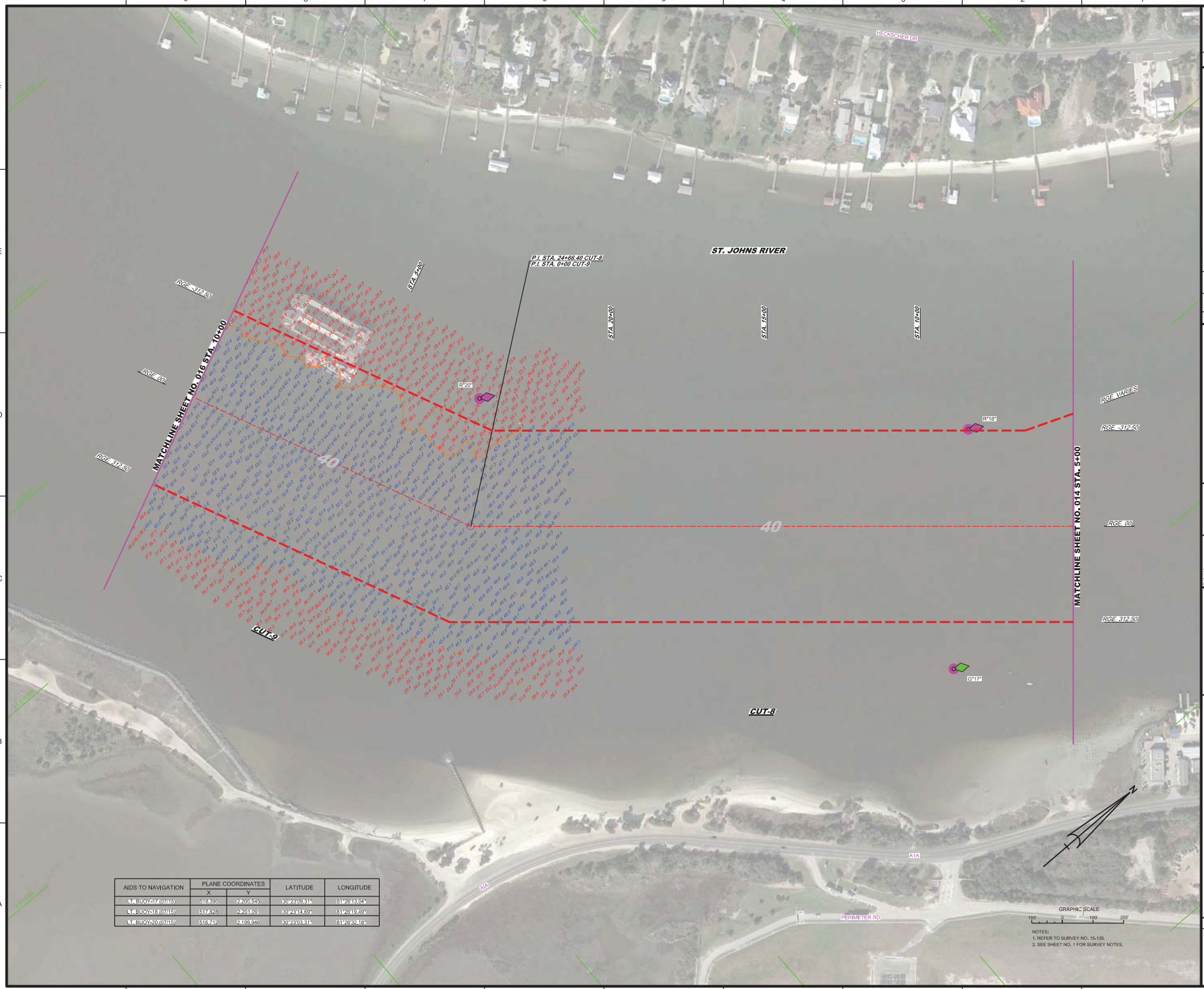
XXXXXXXXX-XXXXXXXX.DGN
XXXXXXXXX-XXXXXXXX.DGN
15-139-V-CONNB.DGN
15-139-V-CONNB.DGN
15-139-V-SOUN_C2.DGN
15-139-V-SOUN_C2.DGN
JAXHER_HYBRID_MAG2013_NACKSHARN.DGN
15-139-C-BIS-BRIDR.DGN
Reference list:
1-1-15-V-H-010.DGN
File name:

JACKSONVILLE HARBOR, FLORIDA
3rd QUARTER EXAM SURVEY FY15
TEN (10) HOT SPOT SHOAL AREAS
30, 34, 38, 40 & 42-FOOT PROJECT
STA. 12+00 CUT-5 THRU STA. 3+00 CUT-7
PLAN

Scale: AS SHOWN

Drawing no.
10 / 22

SHEET 13 OF 57



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-17 (07/15)	518,390	2,200,545	30°23'00.31"	81°26'45.04"
LT. BUOY-18 (07/15)	517,823	2,201,151	30°23'19.69"	81°26'19.29"
LT. BUOY-20 (07/15)	516,712	2,199,946	30°23'03.31"	81°25'32.16"

NOTES:
1. REFER TO SURVEY NO. 15-139.
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

Checked by: RJC
Drawn by: JRM
Date: JUL 2015

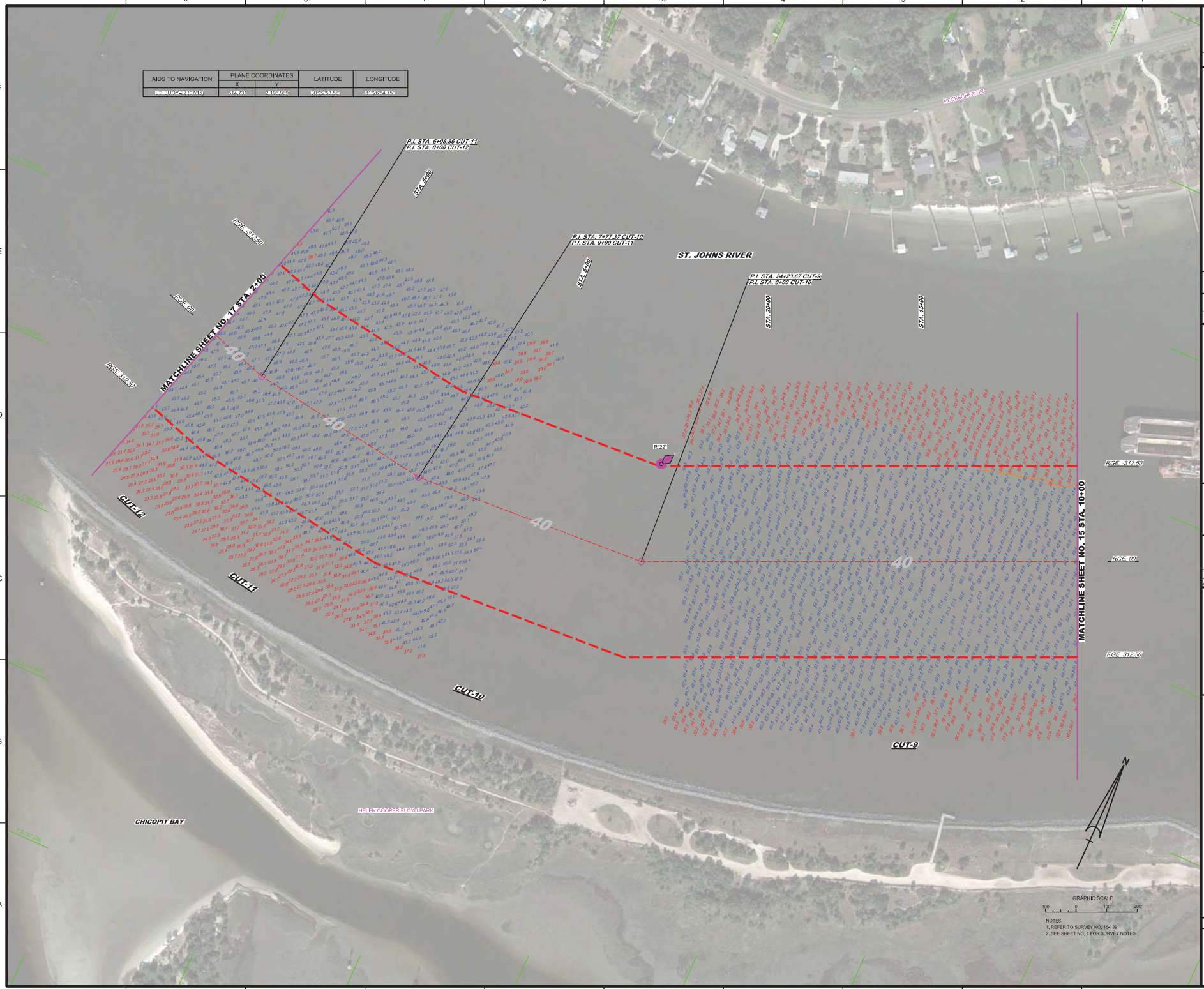
XXXXXXXX-XXXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
15-139-CUT-8.DGN
15-139-CUT-8_CL.DGN
15-139-CUT-8_NAD83HARN.DGN
15-139-CUT-8_NAD83HARN_CL.DGN
15-139-CUT-8_NAD83HARN_CL_NAD83HARN.DGN
Reference files:
15-139-XXXX.DGN
File name:

JACKSONVILLE HARBOR, FLORIDA
3rd QUARTER EXAM SURVEY FY15
TEN (10) HOT SPOT SHOAL AREAS
30, 34, 38, 40 & 42-FOOT PROJECT
STA. 5+00 CUT-8 THRU STA. 10+00 CUT-9
PLAN

Scale: AS SHOWN

Drawing no.
11 / 22

SHEET 15 OF 57



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-22 (07/15)	514.73	2,198.959	30°22'53.46"	81°26'54.75"

NOTES:
1. REFER TO SURVEY NO. 15-139.
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

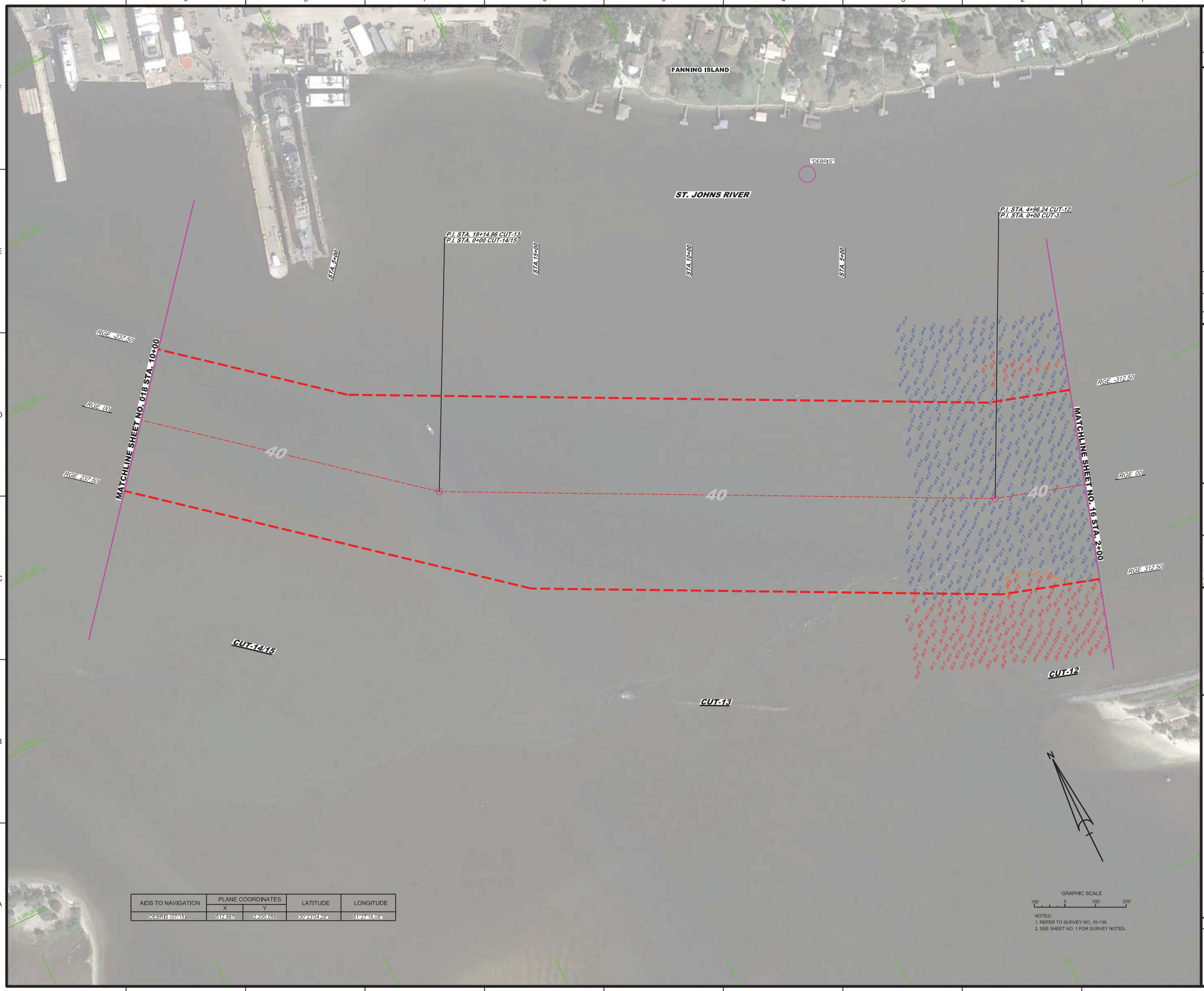
Designed by: VFRM
Drawn by: VFRM
Checked by: CR
Date: JUL 2015

JACKSONVILLE HARBOR, FLORIDA
3rd QUARTER EXAM SURVEY FY15
TEN (10) HOT SPOT SHOAL AREAS
30, 34, 38, 40 & 42-FOOT PROJECT
STA. 10+00 CUT-9 THRU STA. 2+00 CUT-12
PLAN

Scale: AS SHOWN

Drawing no.
12 / 22

SHEET 16 OF 57



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DEBRIS (07/15)	512,887	2,200,058	30° 23' 04.28"	81° 27' 16.08"

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 15-139.
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

JACKSONVILLE HARBOR, FLORIDA

3rd QUARTER EXAM SURVEY FY15
TEN (10) HOT SPOT SHOAL AREAS
30, 34, 38, 40 & 42-FOOT PROJECT

STA. 2+00 CUT-12 THRU STA. 10+00 CUT-14/15

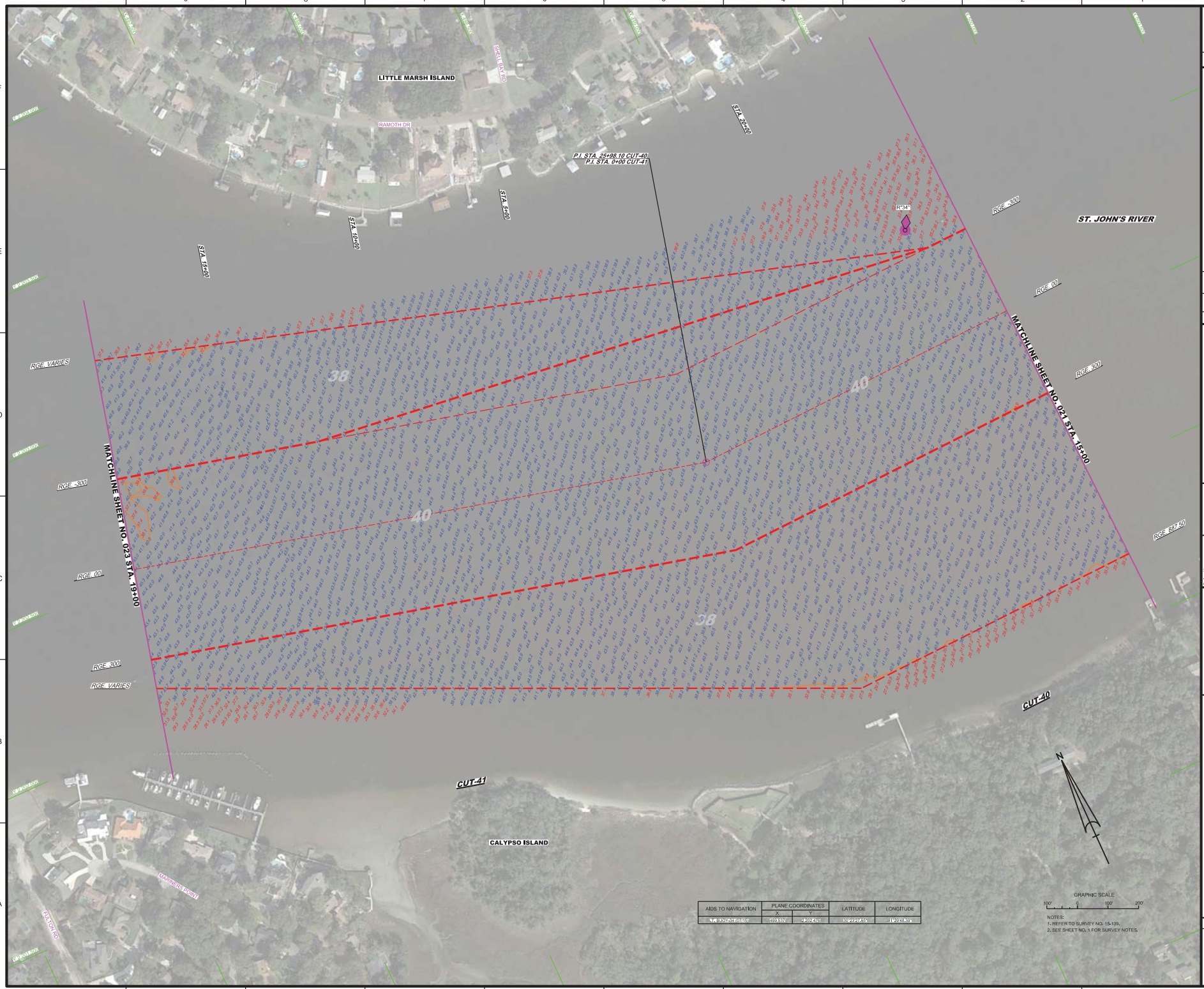
PLAN

Scale: AS SHOWN

Drawing no.

13 / 22

SHEET 17 OF 57



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
[illegible]	1078.57	4202.42	30° 23' 27.65"	81° 24' 48.3"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 15-139.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Revision	By	Date

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

Checked: RC
Drawn by: [illegible]
Date: JUL 2015
Project No.: [illegible]
Contract No.: [illegible]

XXXXXXXX-XXXXXXXX.DGN
15-139-CONSTRAINTS.DGN
15-139-CONS.DGN
15-139-CUT_LAT.DGN
15-139-CUT_CALC.DGN
15-139-CUT_CALC_NAD83HARN.DGN
15-139-CHECKREPORT.DGN

File name: 15-139-XXXX-022.DGN

JACKSONVILLE HARBOR, FLORIDA

3rd QUARTER EXAM SURVEY FY15
TEN (10) HOT SPOT SHOAL AREAS
30, 34, 38, 40 & 42-FOOT PROJECT

STA. 15+00 CUT-40 THRU STA. 19+00 CUT-41

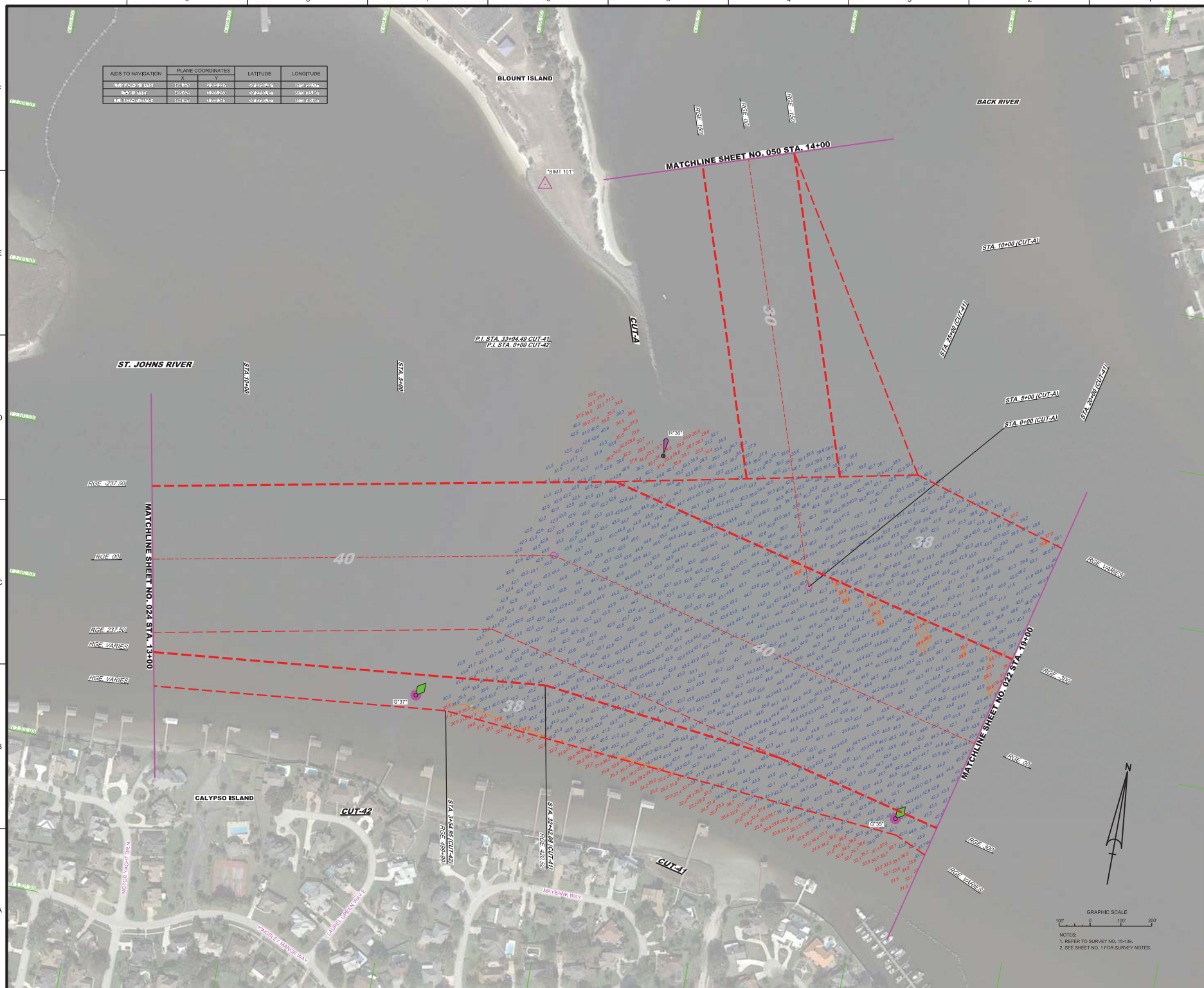
PLAN

Scale: AS SHOWN

Drawing no.

14 / 22

SHEET 22 OF 57



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. 6 (OCS-S 107/15)	506.5 ft	2,200.22 ft	30°23'25.6"	81°30'22.7"
LT. 5 (OCS-S 107/15)	506.5 ft	2,200.24 ft	30°23'25.6"	81°30'23.0"
LT. 3 (OCS-S 107/15)	506.5 ft	2,200.24 ft	30°23'26.1"	81°30'26.6"

NOTES:
1. REFER TO SURVEY NO. 15-139.
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: VRM
Drawn by: VRM
Date: JUL 2015
Plot Date: JUL 2015

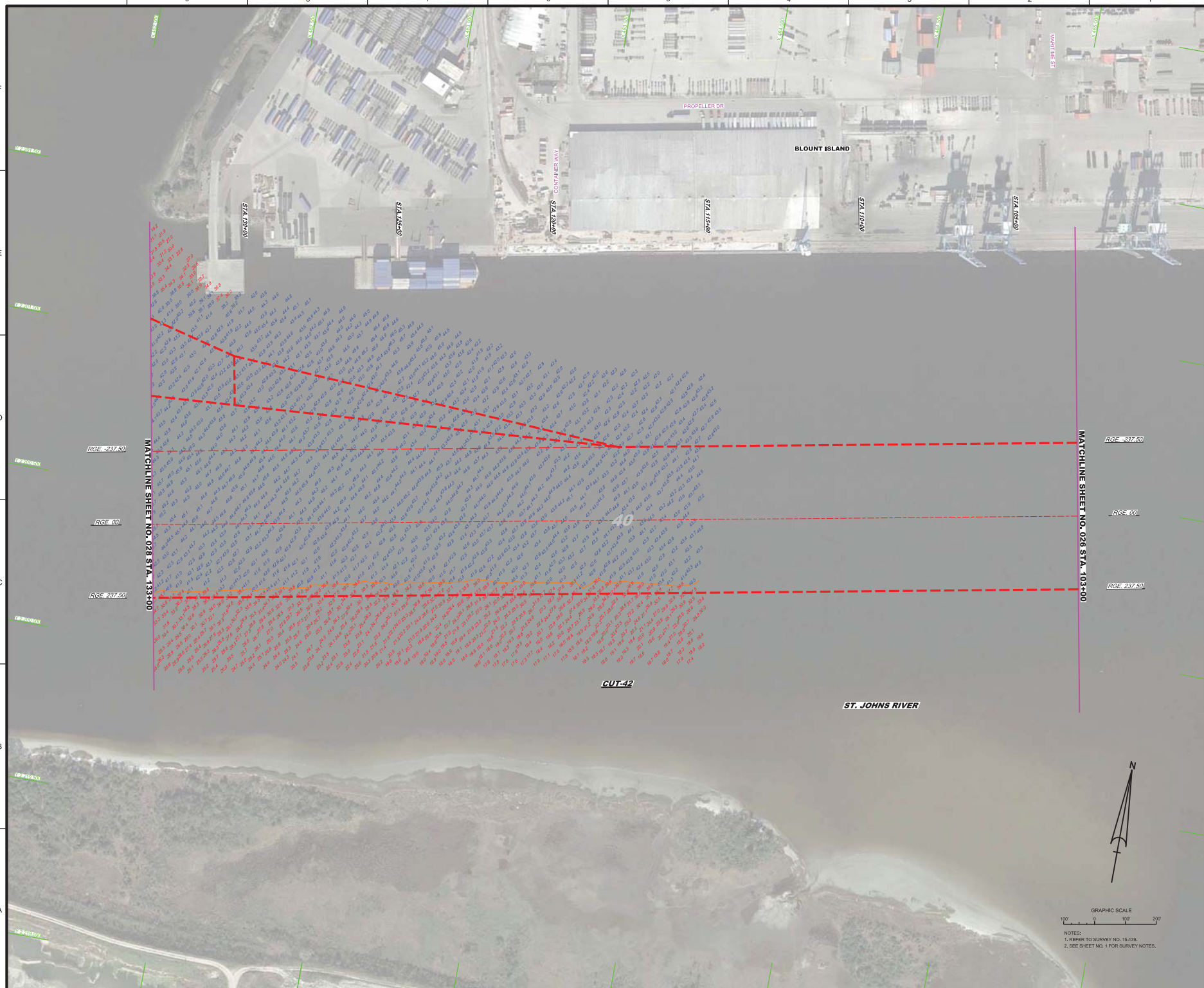
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
15-139-X-NAV.DGN
15-139-X-CONB.DGN
15-139-X-CONB.DGN
15-139-X-SOUN_CAT.DGN
JAXHER_HYBRID_MAGD13_NAD83HARN.DGN
15-139-X-SB-BRIDR.DGN
Reference Sheet
15-139-H-SB-BRIDR.DGN
File name

JACKSONVILLE HARBOR, FLORIDA
3rd QUARTER EXAM SURVEY FY15
TEN (10) HOT SPOT SHOAL AREAS
30, 34, 38, 40 & 42-FOOT PROJECT
STA. 19+00 CUT-41 THRU STA 13+00 CUT-42 &
STA. 0+00 THRU STA. 14+00 CUT-A
PLAN

Scale: AS SHOWN

Drawing no.
15 / 22

SHEET 23 OF 57



NOTES:
1. REFER TO SURVEY NO. 15-139.
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: V/RM
Drawn by: V/RM
Checked by: DR
Date: JUL 2015

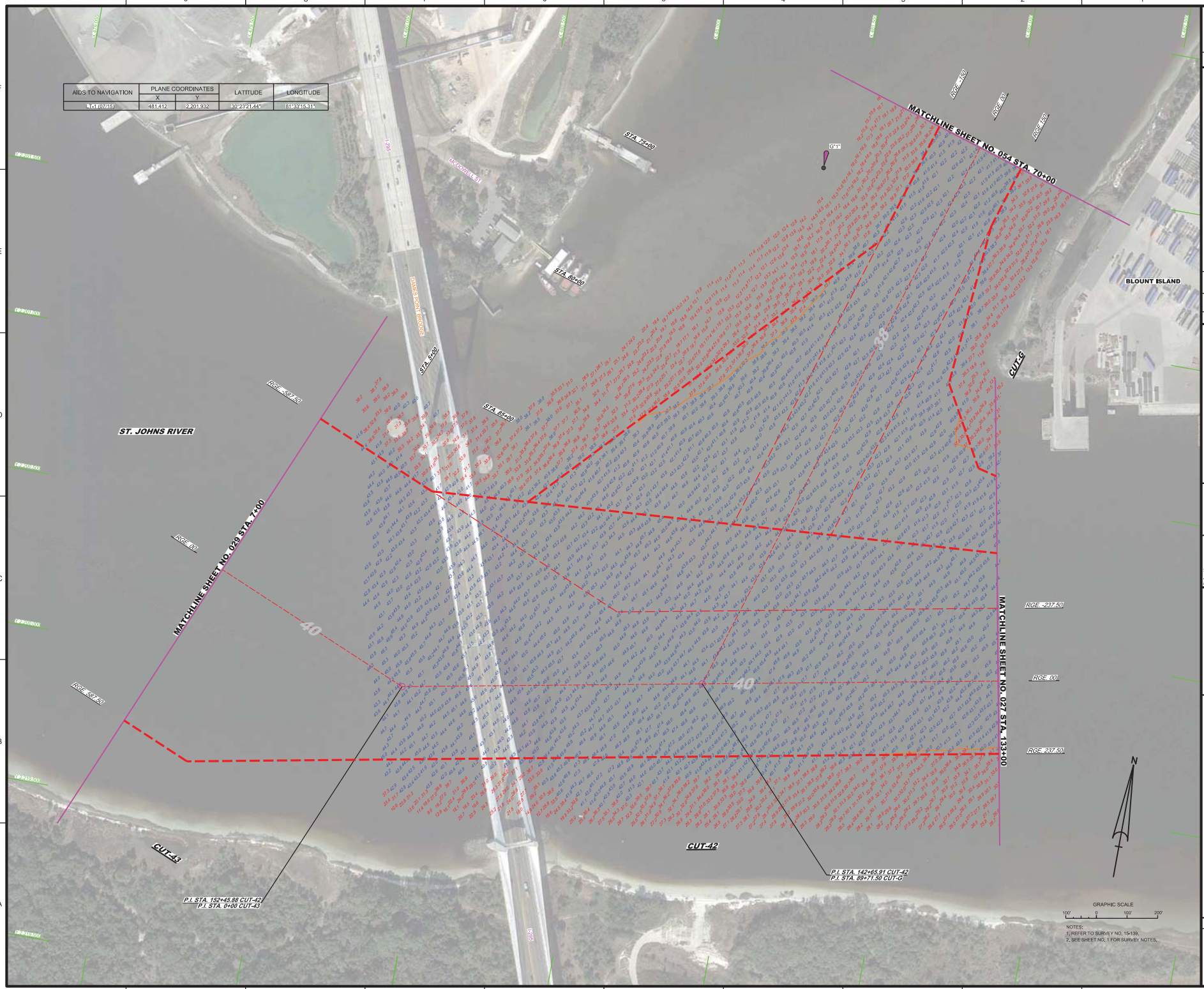
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
15-139-V-CON40.DGN
15-139-V-SOUN_CAZ.DGN
JAXHER_HYBRID_MAG2013_NAD83HARN.DGN
15-139-C-BB-BRDR.DGN
Reference files:
15-139-H-H-027.DGN
File name:

JACKSONVILLE HARBOR, FLORIDA
3rd QUARTER EXAM SURVEY FY15
TEN (10) HOT SPOT SHOAL AREAS
30, 34, 38, 40 & 42-FOOT PROJECT
STA. 103+00 THRU STA. 133+00 CUT-42
PLAN

Scale: AS SHOWN

Drawing no.
16 / 22

SHEET 27 OF 57



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
L-1 (07/15)	481,412	2,201,932	30°23'21.44"	81°33'15.31"

NOTES:
1. REFER TO SURVEY NO. 15-139.
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: WRM
Drawn by: WRM
Checked by: DR
Date: JUL 2015

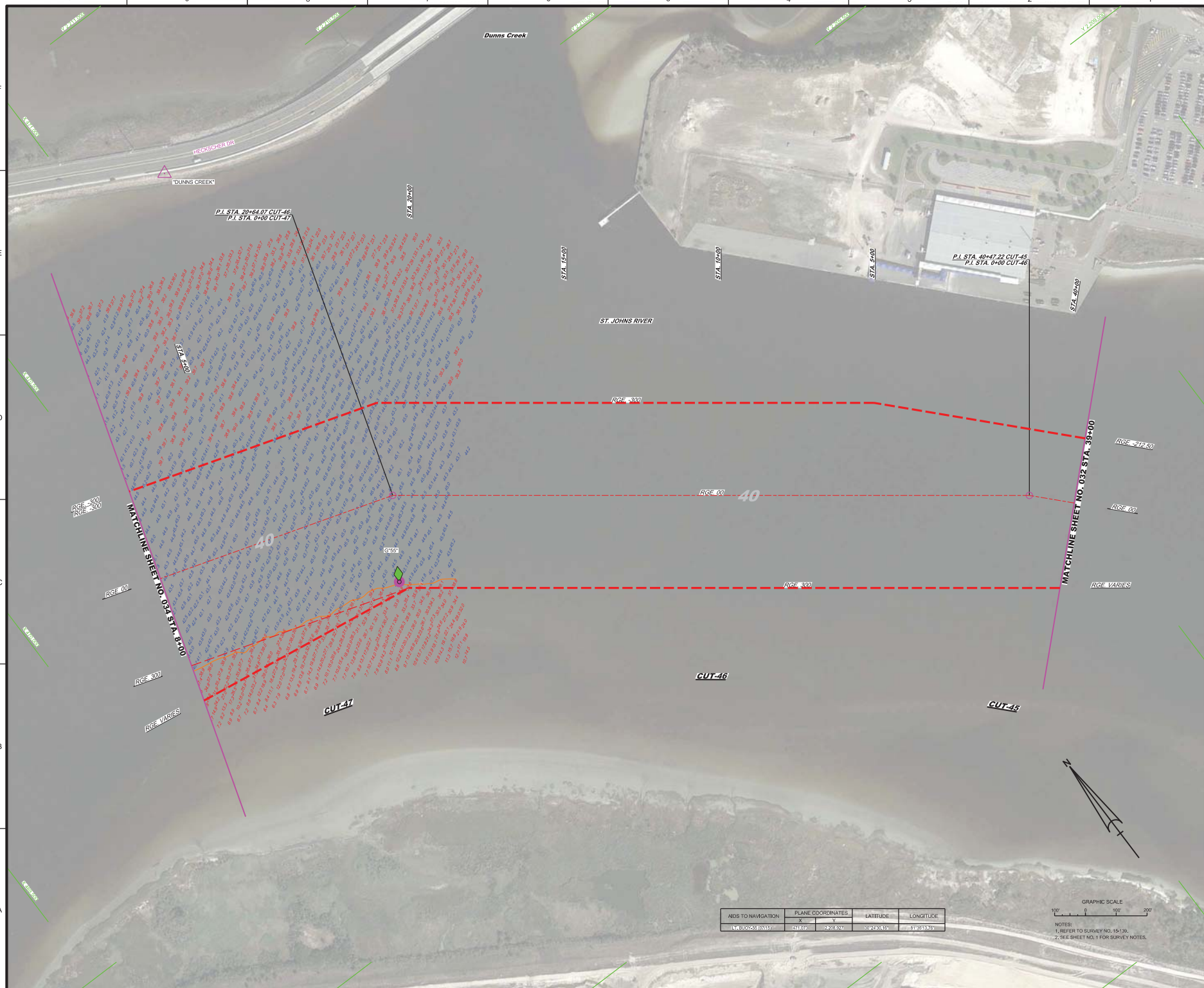
XXXXXXXXX-XXXXXXX.DGN
XXXXXXXXX-XXXXXXX.DGN
15-139-XX-NAV.DGN
15-139-XX-CONTRIB.DGN
15-139-XX-CONVUL.DGN
15-139-XX-SOUNDING.DGN
JAXHER_HYBRID_MAG2013_NAD83HARN.DGN
15-139-XX-SHEET-BR.DGN
Reference list:
15-139-XX-HYBRID.DGN
File name:

JACKSONVILLE HARBOR, FLORIDA
3rd QUARTER EXAM SURVEY FY15
TEN (10) HOT SPOT SHOAL AREAS
30, 34, 38, 40 & 42-FOOT PROJECT
STA. 133+00 CUT-42 THRU STA. 7+00 CUT-43 AND
STA. 70+00 THRU STA. 89+71.50 CUT-G
PLAN

Scale: AS SHOWN

Drawing no.
17 / 22

SHEET 28 OF 57



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-56 (07/15)	474.073	2,208.927	30°24'30.16"	81°36'13.76"

NOTES:
1. REFER TO SURVEY NO. 15-139.
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: WRM
Drawn by: WRM
Checked by: DR
File No.: 15-139
Date: JUL 2015

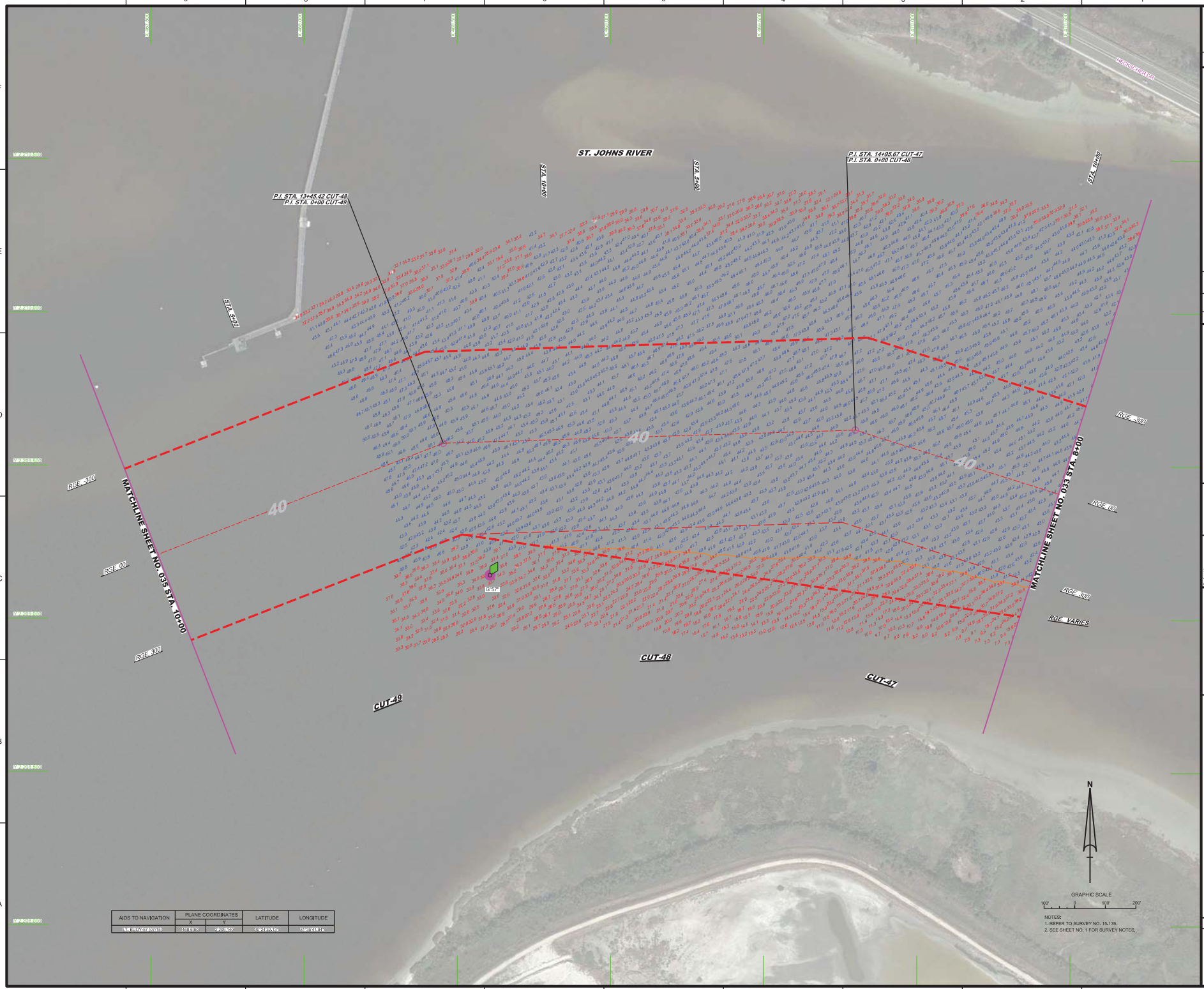
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
15-139-XXXXXX.DGN
15-139-XXXXXX.DGN
15-139-XXXXXX.DGN
15-139-XXXXXX.DGN
JAXHER_HYBRID_MAR2013_NAD83HARN.DGN
15-139-CAD-BIRDR.DGN
Reference list:
15-032-XXX-139.DGN
File name:

JACKSONVILLE HARBOR, FLORIDA
3rd QUARTER EXAM SURVEY FY15
TEN (10) HOT SPOT SHOAL AREAS
30, 34, 38, 40 & 42-FOOT PROJECT
STA. 39+00 CUT-45 THRU STA. 8+00 CUT-47
PLAN

Scale: AS SHOWN

Drawing no.
18 / 22

SHEET 33 OF 57



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
N 4 (DOS-57 2007)	488.608	2,200.156	30°24'57.4"N	81°24'41.6"W

NOTES:
1. REFER TO SURVEY NO. 15-139.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Revision	By	Date

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

Checked by: JDC
Drawn by: JDC
Approved by: District
Date: JUL 2015

XXXXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXXXX.DGN
15-139-SHEET.DGN
15-139-AXIS.DGN
15-139-SOUN_C47-48.DGN
15-139-SOUN_C48-49_NADS83HARN.DGN
15-139-CalcSht2.DGN
References Used
15-139-XXXXXX.DGN
File Name

JACKSONVILLE HARBOR, FLORIDA
3rd QUARTER EXAM SURVEY FY15
TEN (10) HOT SPOT SHOAL AREAS
30, 34, 38, 40 & 42-FOOT PROJECT
STA. 8+00 CUT-47 THRU STA. 10+00 CUT-49
PLAN

Scale: AS SHOWN

Drawing no.
19 / 22

SHEET 34 OF 57

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
"A" BOY "58" (NAME)	[illegible]	[illegible]	[illegible]	[illegible]
"A" BOY "59" (NAME)	[illegible]	[illegible]	[illegible]	[illegible]

GRAPHIC SCALE
100' 0 100' 200'

NOTES;
1. REFER TO SURVEY NO. 15-139.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Revision	By	Date

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

Checked: [illegible]
Designed by: [illegible]
Drawn by: [illegible]
Approved by: [illegible]
Date: JUL 2015

XXXXXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXXXXX.DGN
15-139-HAN.DGN
15-139-GEOTK_CELL.DGN
15-139-CELL_NAD83HARN_USFT.DGN
15-139-CellBRS.DGN
Reference files:
Tie-1934-NGS.DGN
File name:

JACKSONVILLE HARBOR, FLORIDA

3rd QUARTER EXAM SURVEY FY15
TEN (10) HOT SPOT SHOAL AREAS
30, 34, 38, 40 & 42-FOOT PROJECT

STA. 10+00 CUT-49 THRU STA. 15+00 CUT-50

PLAN

Scale: AS SHOWN

Drawing no.

20 / 22

SHEET 35 OF 57

SHEET 36 OF 57 **21 / 22** Drawing no.	Scale: AS SHOWN	JACKSONVILLE HARBOR, FLORIDA **3rd QUARTER EXAM SURVEY FY15** **TEN (10) HOT SPOT SHOAL AREAS** **30, 34, 38, 40 & 42-FOOT PROJECT** STA. 15+00 THRU STA. 45+00 CUT-50 **PLAN**	XXXXXXXX-X-XXXXXX.DGN XXXXXXXX-X-XXXXXX.DGN XXXXXXXX-X-XXXXXX.DGN XXXXXXX-X-XXXXX.DGN 15-139-V-CON40.DGN 15-139-V-SOUN_C50.DGN JAXHBR_HYBRID_MAR2013_NAD83HARN.DGN 15-139-G-BS-BRDR.DGN Reference files: 15-139-VH-036.DGN File name:	Designed by: WRM Ckd by: GR DWN by: WRM Inv. No. Dated: JUL 2015

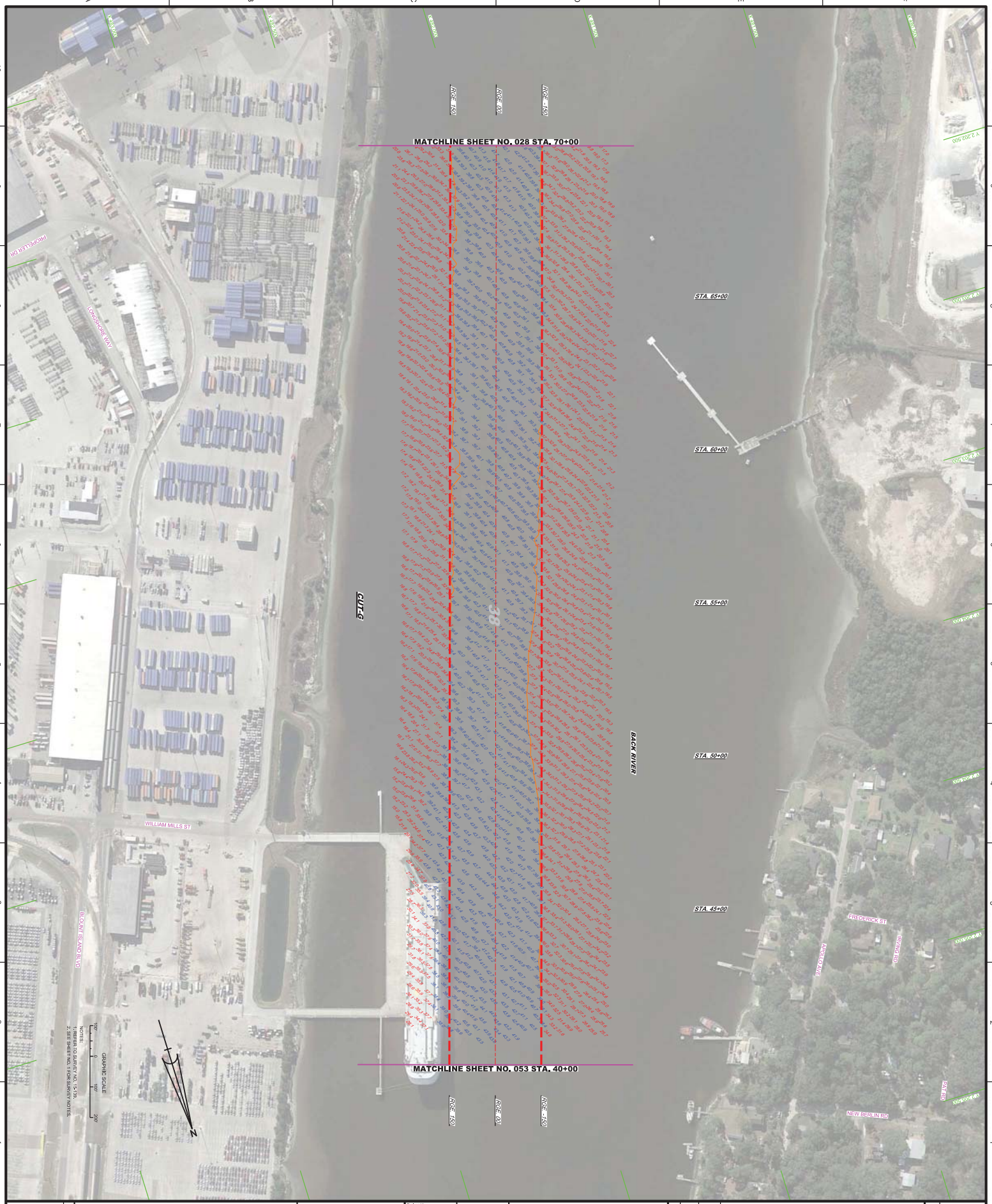
DEPARTMENT OF THE ARMY

JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

No.	Symbol	Zone	Description

SAFETY ON THIS JOB DEPENDS ON YOU

US Army Corps of Engineers
Jacksonville District



JACKSONVILLE HARBOR, FLORIDA

3rd QUARTER EXAM SURVEY FY15
TEN (10) HOT SPOT SHOAL AREAS
30, 34, 38, 40 & 42-FOOT PROJECT

STA. 40+00 THRU STA. 70+00 CUT-G

PLAN

Drawing no. 22 / 22

SHEET 57 OF 57

Scale: AS SHOWN

XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
15-139-V-CON18.DGN
15-139-V-SOUN_CTG.DGN
JAXHBR_HYBRID_MAR2015_NAD83HARN.DGN
15-139-C85-BRDR.DGN

Reference files:

15-139-MH-054.DGN

File name:

Designed by: WRM
Drawn by: WRM
Checked by: GR
Date: JUL 2015

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

No.	Symbol	Zone	Description

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU