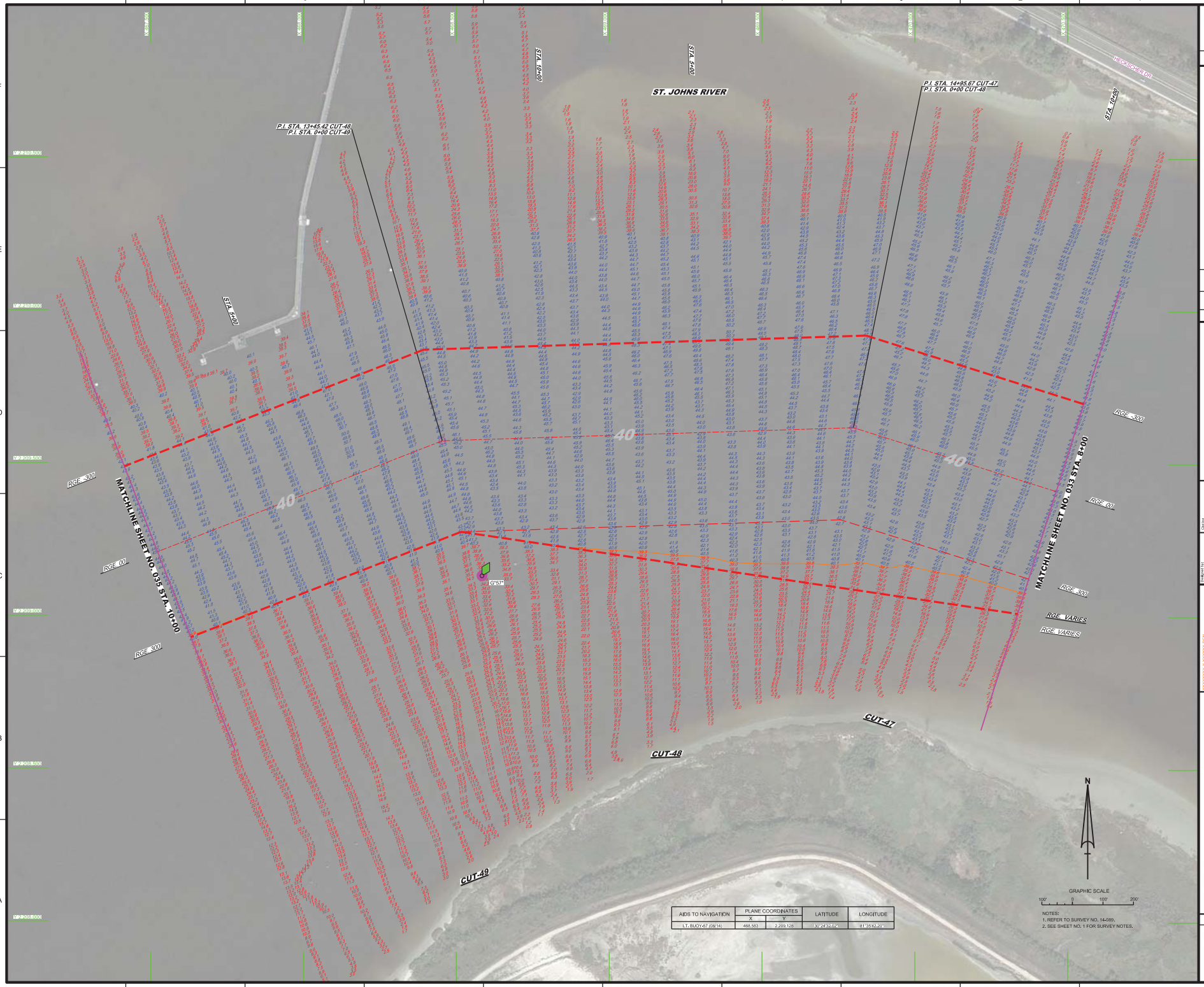


AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-57 (08/14)	486,583	2,209,128	30° 24' 33.4"	81° 35' 42.40"

NOTES:
1. REFER TO SURVEY NO. 14-089.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Revised	Date	Description

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

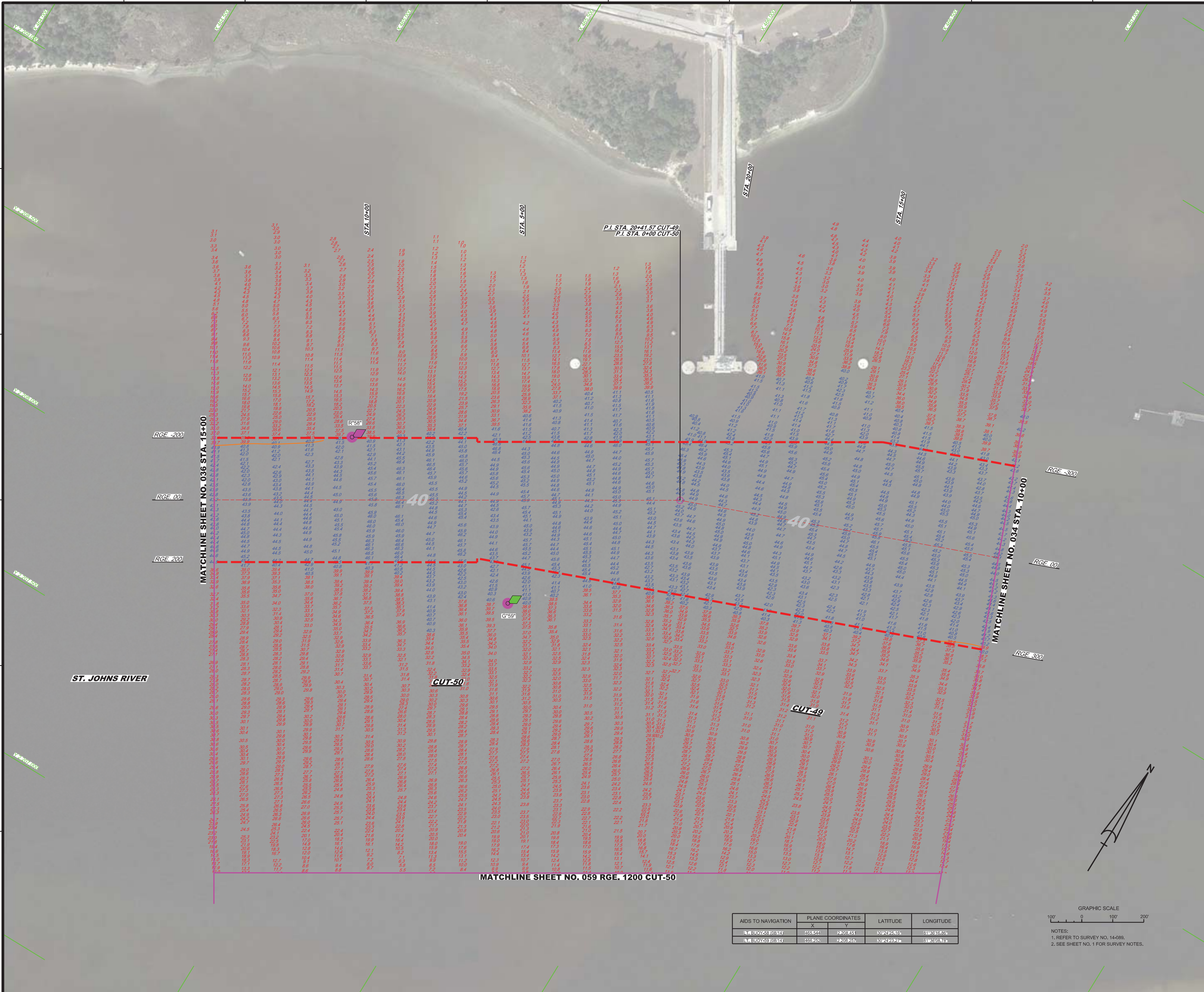
Checked: RC
Drawn by: JRBell
Date: AUG 2014
File No. 14-089
Reference: Base
XXXXXXXXXXXXXXXXXXXX.DGN
14-089-A-CUT-47-48-49.DGN
14-089-A-MAP.DGN
14-089-A-CUT-47-48.DGN
14-089-A-CUT-47-48-49.DGN
14-089-A-CUT-48-49.DGN
14-089-A-CUT-47-48-49_NAD83HARN.DGN
14-089-A-CUT-47-48-49_NAD83HARN.DGN
14-089-A-CUT-47-48-49.DGN
Tile Name: 14-089-A-034.DGN

JACKSONVILLE HARBOR, FLORIDA
"BANK TO BANK" EXAMINATION SURVEY FY14
30, 34, 38, 40 & 42-FOOT PROJECT
STA. 8+00 CUT-47 THRU STA. 10+00 CUT-49
PLAN

Scale: AS SHOWN

Drawing no.
34

SHEET 34 OF 74



AIDS TO NAVIGATION	PLANE COORDINATES X	PLANE COORDINATES Y	LATITUDE	LONGITUDE
LT. BUOY-58 (08/14)	465,544	2,208,451	30°24'25.16"	81°36'16.86"
LT. BUOY-59 (08/14)	466,252	2,208,257	30°24'23.27"	81°36'08.78"

NOTES:
1. REFER TO SURVEY NO. 14-089.
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: WRM
DWN by: WRM
Inv. No.
Dated: AUG 2014

Reference files:
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
14-089-V-CON40.DGN
14-089-V-NAV.DGN
14-089-V-SOUN_C49.DGN
14-089-V-SOUN_C50.DGN
JAXHBR_HYBRID_MAR2013_NAD83HARN.DGN
14-089-G-BS-BRDR.DGN

File name: 14-089-VH-035.DGN

JACKSONVILLE HARBOR, FLORIDA

"BANK TO BANK" EXAMINATION SURVEY FY14 30, 34, 38, 40 & 42-FOOT PROJECT

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

PLAN

Scale: AS SHOWN

Drawing no. 35

SHEET 35 OF 74

NOTES:
1. REFER TO SURVEY NO. 14-089.
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

Ckd by: GR
Designed by: WRM
DWN by: WRM
Inv. No.
Dated: AUG 2014

Reference files:
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXX-X-XXXXX.DGN
14-089-V-CON40.DGN
14-089-V-SOUN_C50.DGN
JAXHBR_HYBRID_MAR2013_NAD83HARN.DGN
14-089-G-BS-BRDR.DGN

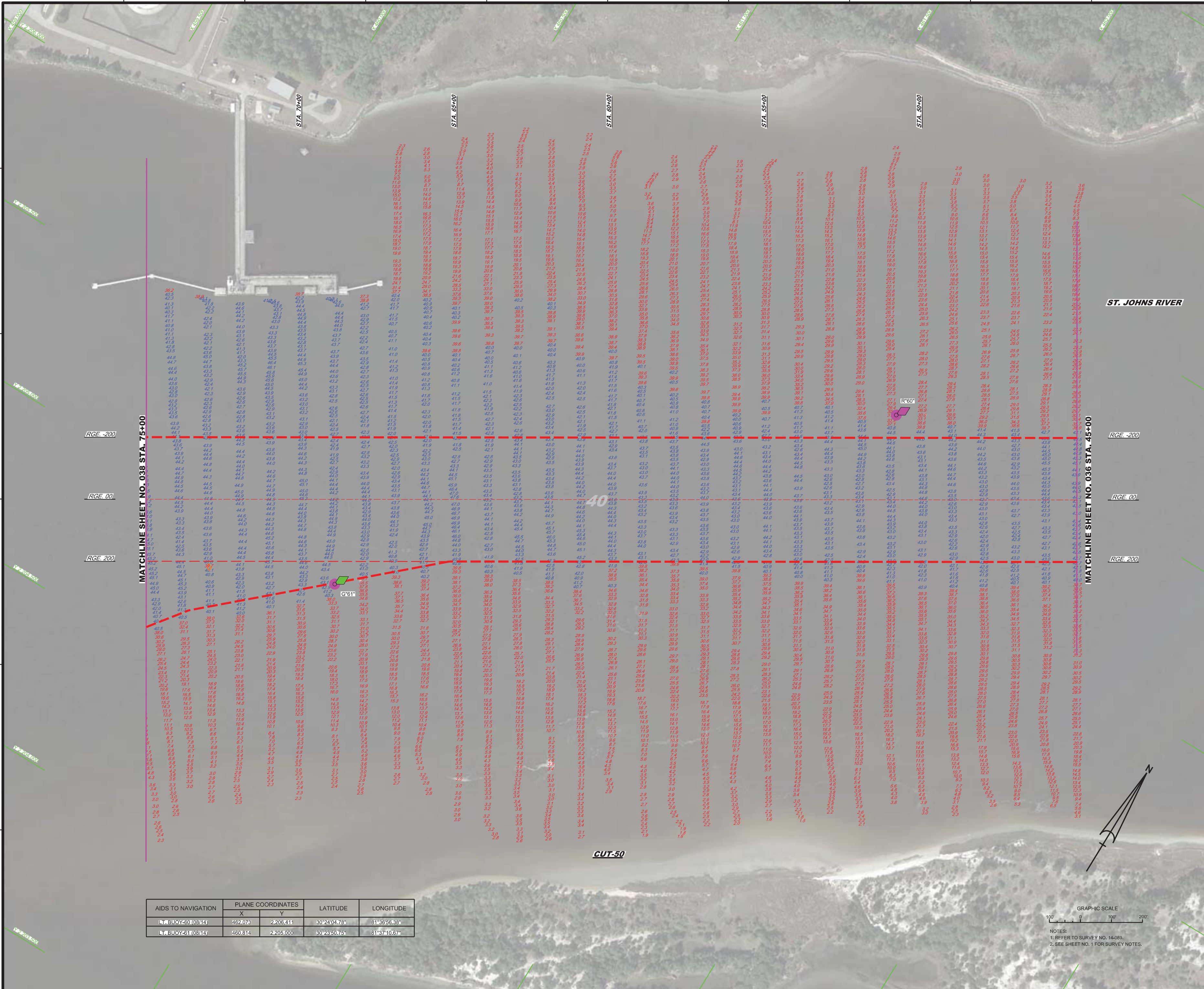
File name: 14-089-VH-036.DGN

JACKSONVILLE HARBOR, FLORIDA
"BANK TO BANK" EXAMINATION SURVEY FY14
30, 34, 38, 40 & 42-FOOT PROJECT
STA. 15+00 THRU STA. 45+00 CUT-50
PLAN

Scale: AS SHOWN

Drawing no.
36

SHEET 36 OF 74



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-60 (08/14)	462,073	2,206,411	30°24'04.78"	81°36'56.38"
LT. BUOY-61 (08/14)	460,814	2,205,000	30°23'50.75"	81°37'10.67"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 14-089.
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

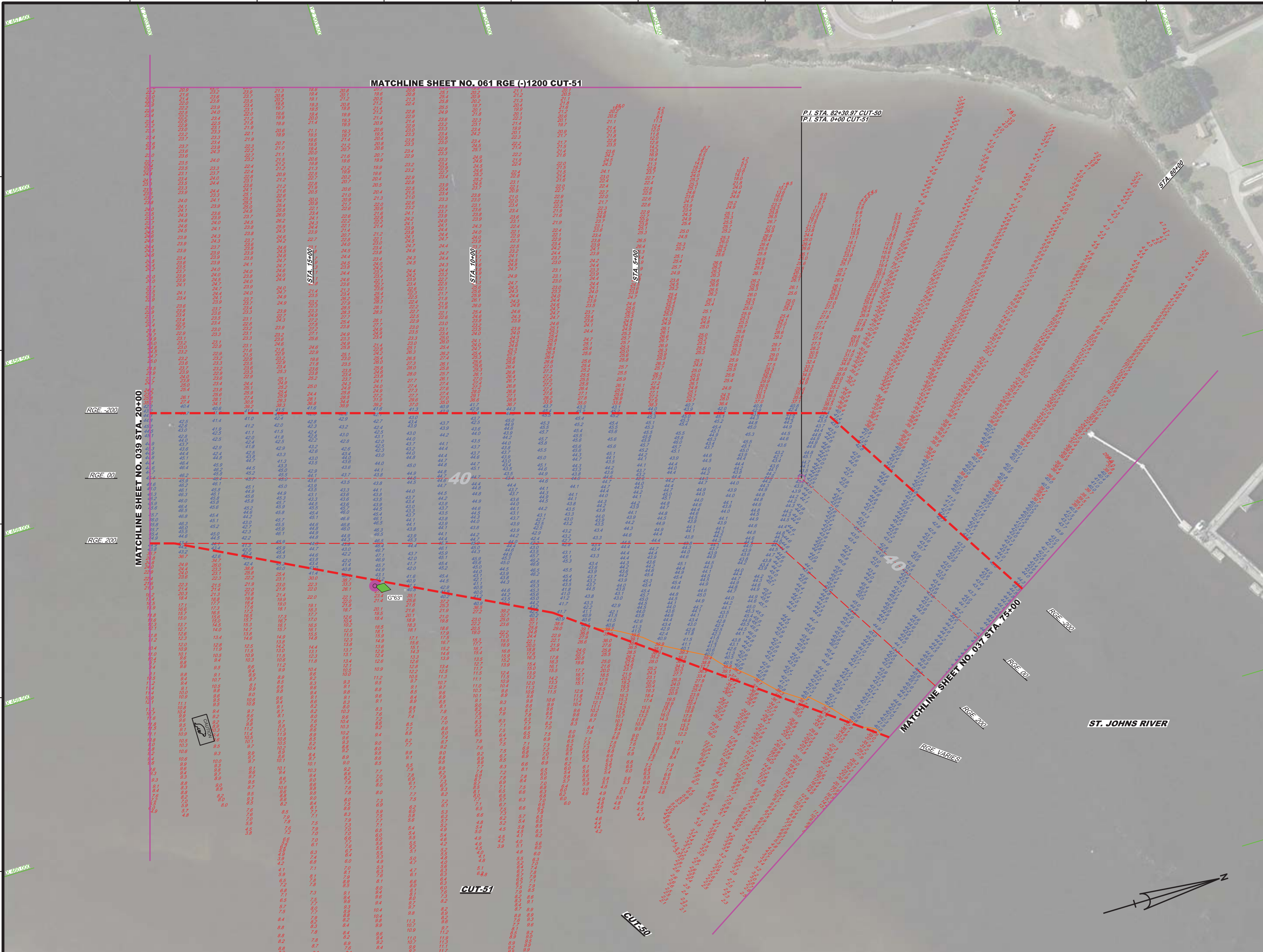
Designed by: WRM
Ckd by: GR
DWN by: WRM
Inv. No.
Dated: AUG 2014

XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
14-089-V-CON40.DGN
14-089-V-NAV.DGN
14-089-V-SOUN_C50.DGN
JAXHBR_HYBRID_MAR2013_NAD83HARN.DGN
14-089-G-BS-BRDR.DGN
Reference files:
14-089-VH-037.DGN
File name:

JACKSONVILLE HARBOR, FLORIDA
"BANK TO BANK" EXAMINATION SURVEY FY14
30, 34, 38, 40 & 42-FOOT PROJECT
STA. 45+00 THRU STA. 75+00 CUT-50
PLAN

Scale: AS SHOWN

Drawing no.
37



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-63 (08/14)	459,470	2,203,186	30°23'32.71"	81°37'25.90"
SIGN (08/14)	459,742	2,202,554	30°23'26.48"	81°37'22.75"

NOTES:
1. REFER TO SURVEY NO. 14-089.
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
DWN by: WRM
Inv. No.
Dated: AUG 2014

Reference files:
XXXXXXXX-X-XXXXXXX.DGN
XXXXXXXX-X-XXXXXXX.DGN
14-089-V-CON40.DGN
14-089-V-NAV.DGN
14-089-V-SOUN_C50.DGN
14-089-V-SOUN_C51.DGN
JAXHBR_HYBRID_MAR2013_NAD83HARN.DGN
14-089-G-BS-BRDR.DGN

File name: 14-089-VH-038.DGN

JACKSONVILLE HARBOR, FLORIDA

"BANK TO BANK" EXAMINATION SURVEY FY14
30, 34, 38, 40 & 42-FOOT PROJECT

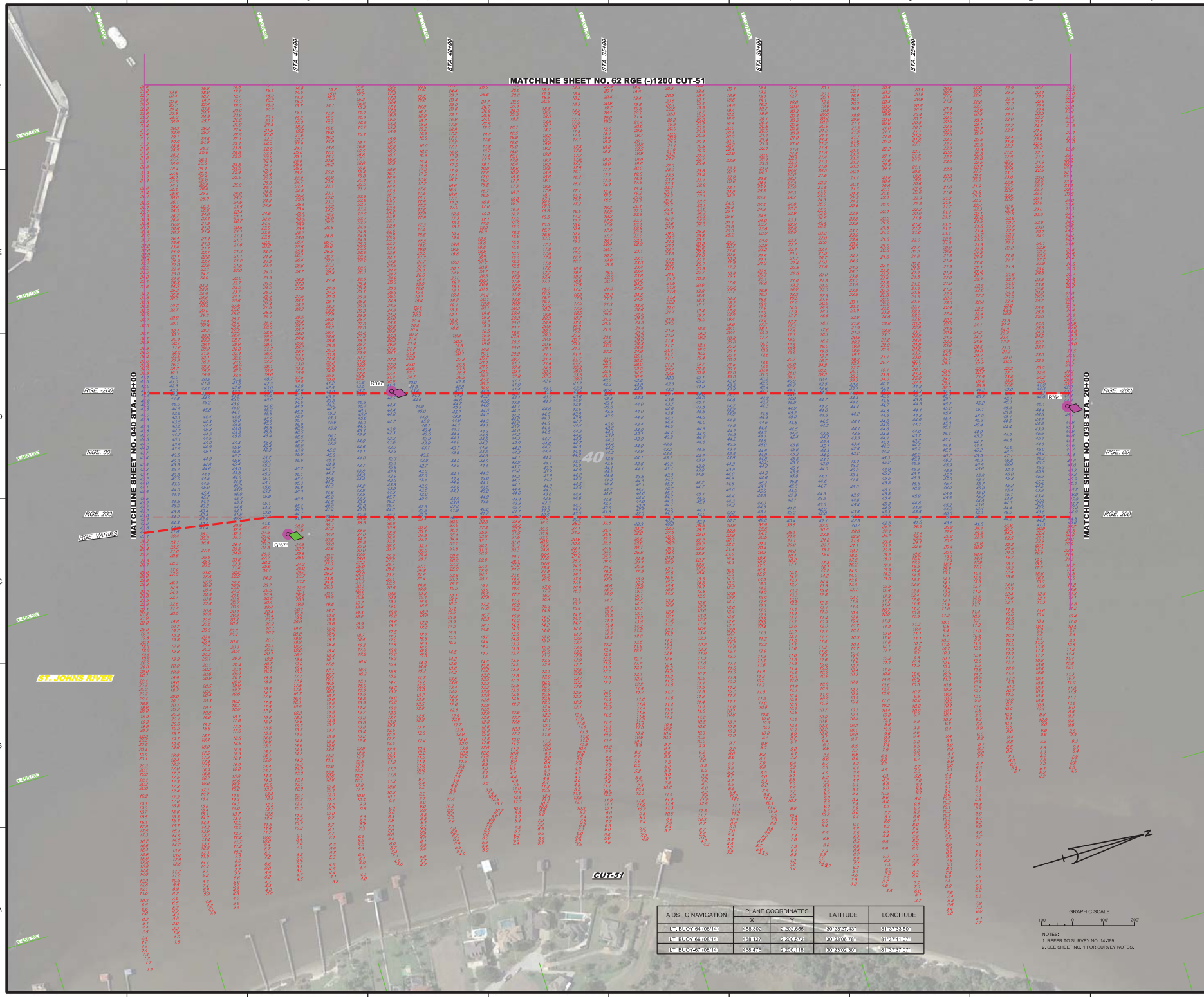
STA. 75+00 CUT-50 THRU STA. 20+00 CUT-51

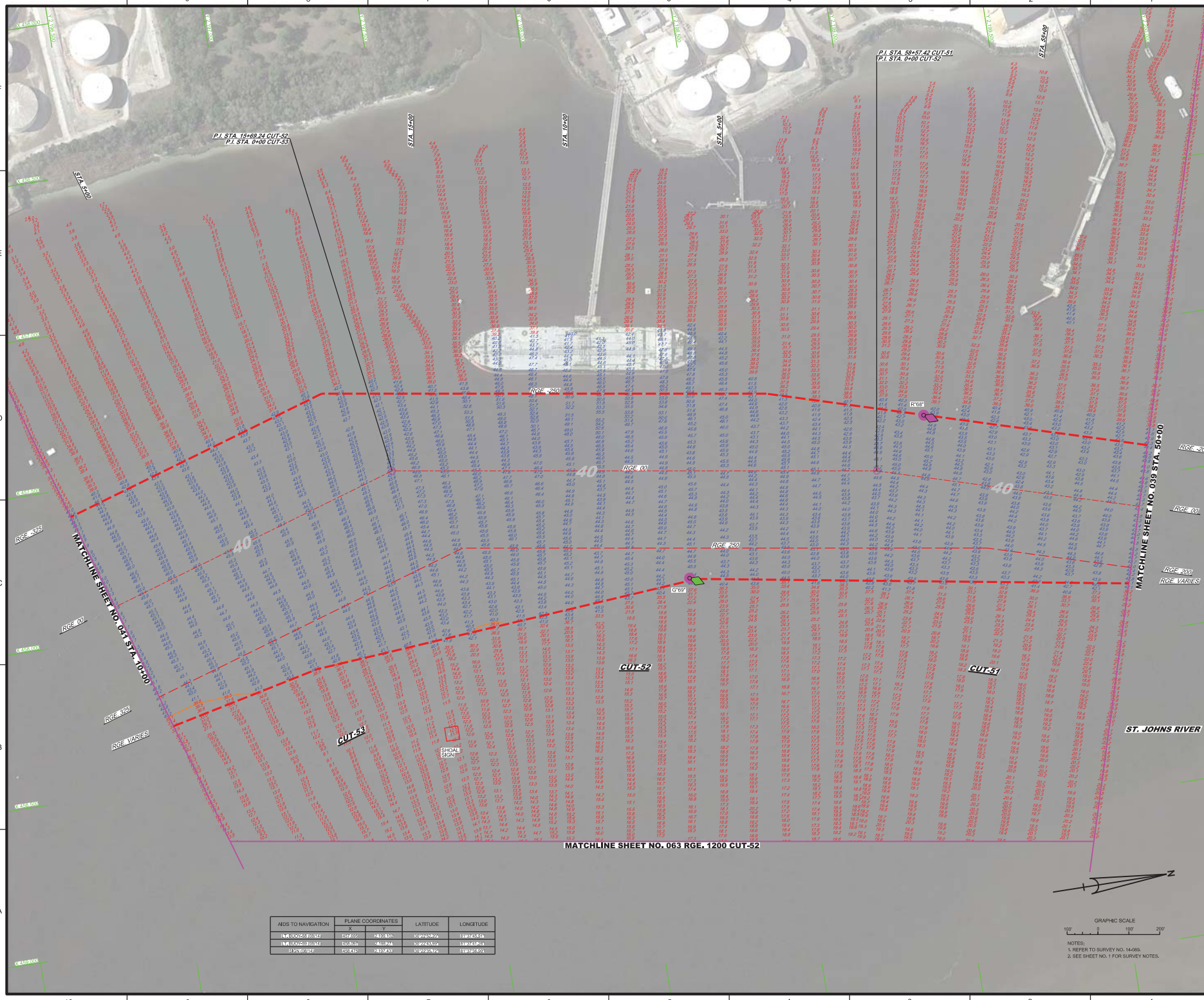
PLAN

Scale: AS SHOWN

Drawing no. 38

SHEET 38 OF 74


MATCHLINE SHEET NO. 62 RGE (-)1200 CUT-51
STA. 45+00
STA. 40+00
STA. 35+00
STA. 30+00
STA. 25+00
MATCHLINE SHEET NO. 040 STA. 50+00
MATCHLINE SHEET NO. 038 STA. 20+00
RGE. -200
RGE. 00
RGE. 200
RGE. VARIES
R"66"
R"64"
G"67"
40
ST. JOHNS RIVER
CUT-51
AIDS TO NAVIGATION
PLANE COORDINATES
X
Y
LATITUDE
LONGITUDE
LT. BUOY-54 (08/14)
458,802
2,202,655
30°23'27.43"
81°37'33.50"
LT. BUOY-66 (08/14)
458,127
2,200,572
30°22'06.78"
81°37'41.07"
LT. BUOY-67 (08/14)
458,476
2,200,118
30°21'52.30"
81°37'37.07"
GRAPHIC SCALE
100'
0
100'
200'
NOTES:
1. REFER TO SURVEY NO. 14-089.
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
"BANK TO BANK" EXAMINATION SURVEY FY14
30, 34, 38, 40 & 42-FOOT PROJECT
STA. 20+00 THRU STA. 50+00 CUT-51
PLAN
Scale: AS SHOWN
Drawing no.
39
SHEET 39 OF 74



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BOOY SB PORT	647,662	1,182,700	30°22'27.7"N	81°37'18.6"W
LT. BOOY SB PORT	647,700	1,181,774	30°22'13.0"N	81°37'18.0"W
SIGN, OUTER	647,712	1,177,435	30°21'32.2"N	81°37'18.0"W

NOTES:
1. REFER TO SURVEY NO. 14-089.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Revised	Date

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

Chief:
Drawn by: JC
Checked by:
Date: AUG 2014
File No.:
Contract:

XXXXXXXXXXXXXXXXXXXX
14-089A-CAD-01_CAD.DGN
14-089A-FAV.DGN
14-089A-CAD-01_CAD.DGN
14-089A-CAD-01_CAD.DGN
14-089A-CAD-01_CAD.DGN
14-089A-CAD-01_CAD.DGN
14-089A-CAD-01_NAD83HARN.DGN
14-089A-CAD-01_CAD.DGN
Reference files:
TK-0001-14-089.DGN
File name:

JACKSONVILLE HARBOR, FLORIDA

"BANK TO BANK" EXAMINATION SURVEY FY14
30, 34, 38, 40 & 42-FOOT PROJECT

STA. 50+00 CUT-51 THRU STA. 10+00 CUT-53

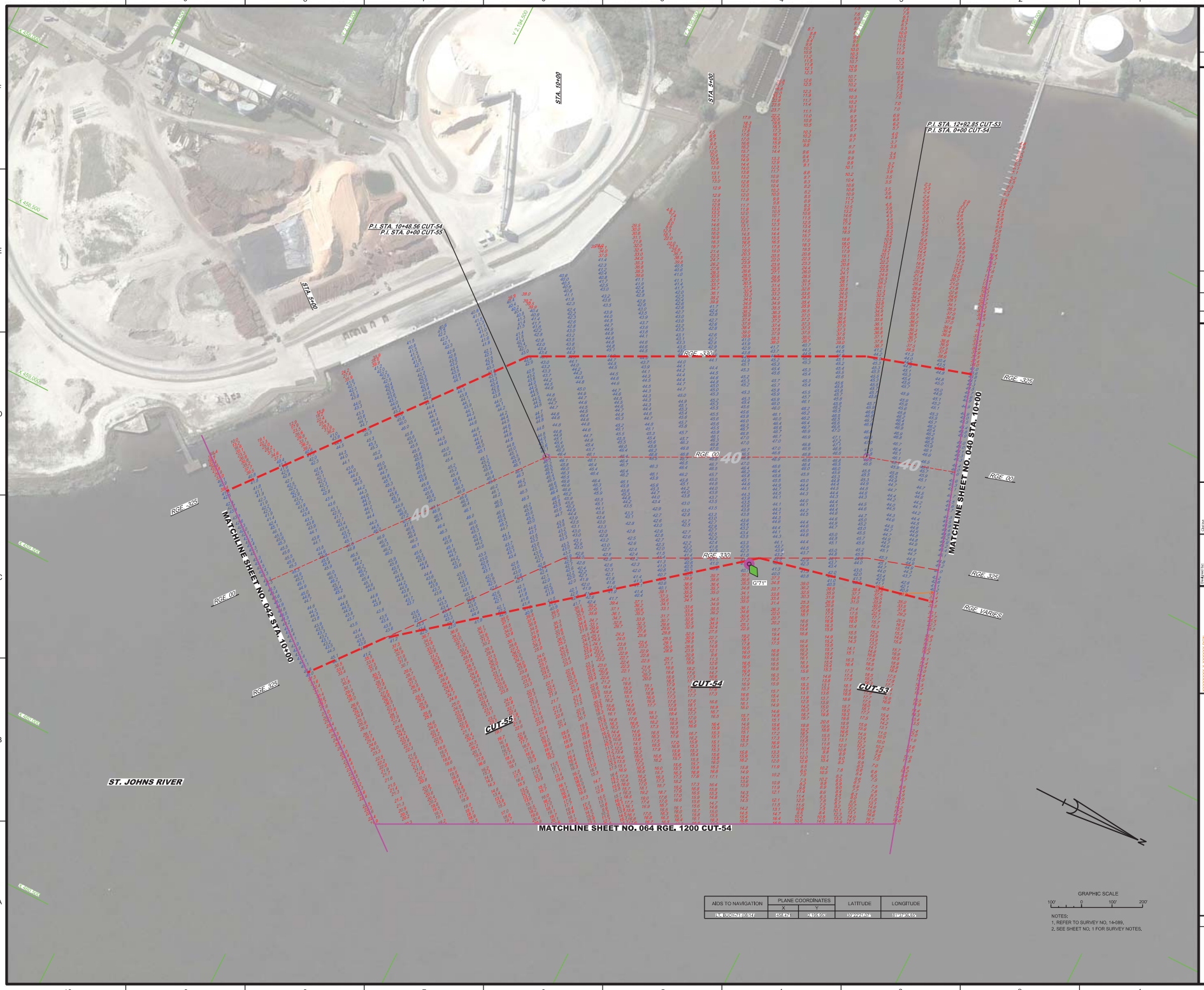
PLAN

Scale: AS SHOWN

Drawing no.

40

SHEET 40 OF 74



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
R 8 (B2524 F 0.3 HT)	845474	2455968	30°22'27.07"	81°37'34.85"

NOTES:
1. REFER TO SURVEY NO. 14-089.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Revised	Date	Description

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

Checked by: RC
Drawn by: JRB
Date: AUG 2014
File No.: 14-089
Contract:

XXXXXXXXXXXXXXXXX.DGN
14-089-A-XXXX_CAL.DGN
14-089-A-XXXX_CAL2.DGN
14-089-A-XXXX_CAL3.DGN
14-089-A-XXXX_CAL4.DGN
14-089-A-XXXX_CAL5.DGN
14-089-A-XXXX_CAL6.DGN
14-089-A-CHS-089-2.DGN
Reference files:
TK-XXX-1-CHS-1.DGN
File name:

JACKSONVILLE HARBOR, FLORIDA

"BANK TO BANK" EXAMINATION SURVEY FY14
30, 34, 38, 40 & 42-FOOT PROJECT

STA. 10+00 CUT-53 THRU STA. 10+00 CUT-55

PLAN

Scale: AS SHOWN

Drawing no.

41

SHEET 41 OF 74

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
R/G JUNC BUOY (08/14)	460,402	2,194,488	30°22'06.68"	81°37'14.71"

NOTES:
1. REFER TO SURVEY NO. 14-089.
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
Ckd by: GR
DWN by: WRM
Inv. No.
Dated: AUG 2014

Reference files:
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXX-X-XXXXX.DGN
14-089-V-NAV.DGN
14-089-V-SOUN_C55.DGN
JAXHBR_HYBRID_MAR2013_NAD83HARN.DGN
14-089-G-BS-BRDR.DGN

File name: 14-089-VH-042.DGN

JACKSONVILLE HARBOR, FLORIDA

"BANK TO BANK" EXAMINATION SURVEY FY14
30, 34, 38, 40 & 42-FOOT PROJECT

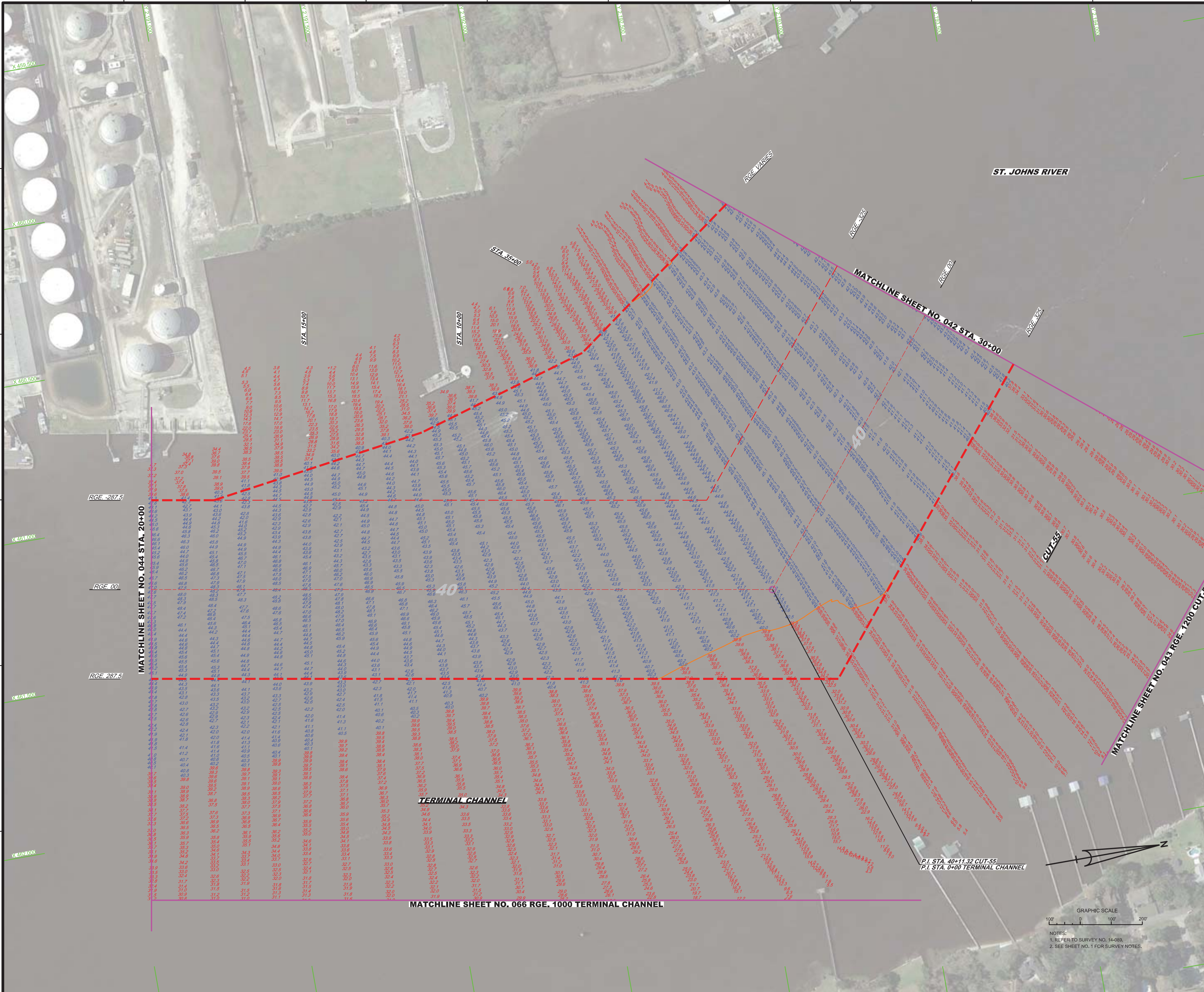
STA. 10+00 THRU STA. 30+00 CUT-55

PLAN

Scale: AS SHOWN

Drawing no. 42

SHEET 42 OF 74



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: WRM
DWN by: WRM
Ckd by: GR
Dated: AUG 2014

Reference files:
XXXXXXXXX-X-XXXXXX.DGN
XXXXXXXXX-X-XXXXXX.DGN
XXXXXXXXX-X-XXXXXX.DGN
14-089-V-CON40.DGN
14-089-V-SOUN_C55.DGN
14-089-V-SOUN_TC.DGN
JAXHBR_HYBRID_MAR2013_NAD83HARN.DGN
14-089-G-BS-BRDR.DGN

File name: 14-089-VH-043.DGN

JACKSONVILLE HARBOR, FLORIDA
"BANK TO BANK" EXAMINATION SURVEY FY14
30, 34, 38, 40 & 42-FOOT PROJECT
STA. 30+00 CUT-55 THRU STA. 20+00 TERMINAL CHANNEL
PLAN

Scale: AS SHOWN

Drawing no.
43

SHEET 43 OF 74

NOTES:
1. REFER TO SURVEY NO. 14-089.
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: AUG 2014
Checked by: DR
Scale: 1"=100'
Reference: Bar
Filename: 14-089-JAX-044.DGN

JACKSONVILLE HARBOR, FLORIDA
"BANK TO BANK" EXAMINATION SURVEY FY14
30, 34, 38, 40 & 42-FOOT PROJECT
STA. 20+00 THRU STA. 50+00 TERMINAL CHANNEL
PLAN

Scale: AS SHOWN

Drawing no.
44

SHEET 44 OF 71

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
1 BUOY 75 (108.14)	460.883	2186.707	30°20'49.66"	81°37'08.74"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 14-089.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Revised	Date	Description

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

Chief/Div: RC
Chief/Br: JPMC
Drawn by: Y. Chen
Date: AUG 2014
Project No.
Contract No.
Filename: B4C
Tracking No.: 14-089-A-045.DGN

XXXXXXXX-XX-XXXXX.DGN
14-089-A-CONTROL.DGN
14-089-A-CONA.DGN
14-089-A-CONB.DGN
14-089-A-AXIS.DGN
14-089-A-QUIN_T_CLOP.DGN
14-089-A-QUIN_T_CLOP_NAD83HARN.DGN
14-089-A-DEC-REF2.DGN

JACKSONVILLE HARBOR, FLORIDA

"BANK TO BANK" EXAMINATION SURVEY FY14
30, 34, 38, 40 & 42-FOOT PROJECT

STA. 50+00 THRU STA. 80+00 TERMINAL CHANNEL

PLAN

Scale: AS SHOWN

Drawing no.

45

SHEET 45 OF 74

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-77 (08/14)	460,310	2,183,283	30°20'15.76"	81°37'15.06"
LT. BUOY-78 (08/14)	459,416	2,183,001	30°20'12.93"	81°37'25.25"

NOTES:
1. REFER TO SURVEY NO. 14-089.
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: WRM
Drawn by: WRM
Checked by: GR
Date: AUG 2014

Reference files:
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
14-089-V-CON34.DGN
14-089-V-NAV.DGN
14-089-V-SOUN_TC.DGN
JAXHBR_HYBRID_MAR201...
14-089-G-BS-BRDR.DGN

File name: 14-089-VH-046.DGN

JACKSONVILLE HARBOR, FLORIDA
"BANK TO BANK" EXAMINATION SURVEY FY14
30, 34, 38, 40 & 42-FOOT PROJECT
STA. 80+00 THRU STA. 110+00 TERMINAL CHANNEL
PLAN

Scale: AS SHOWN

Drawing no. 46

SHEET 46 OF 74