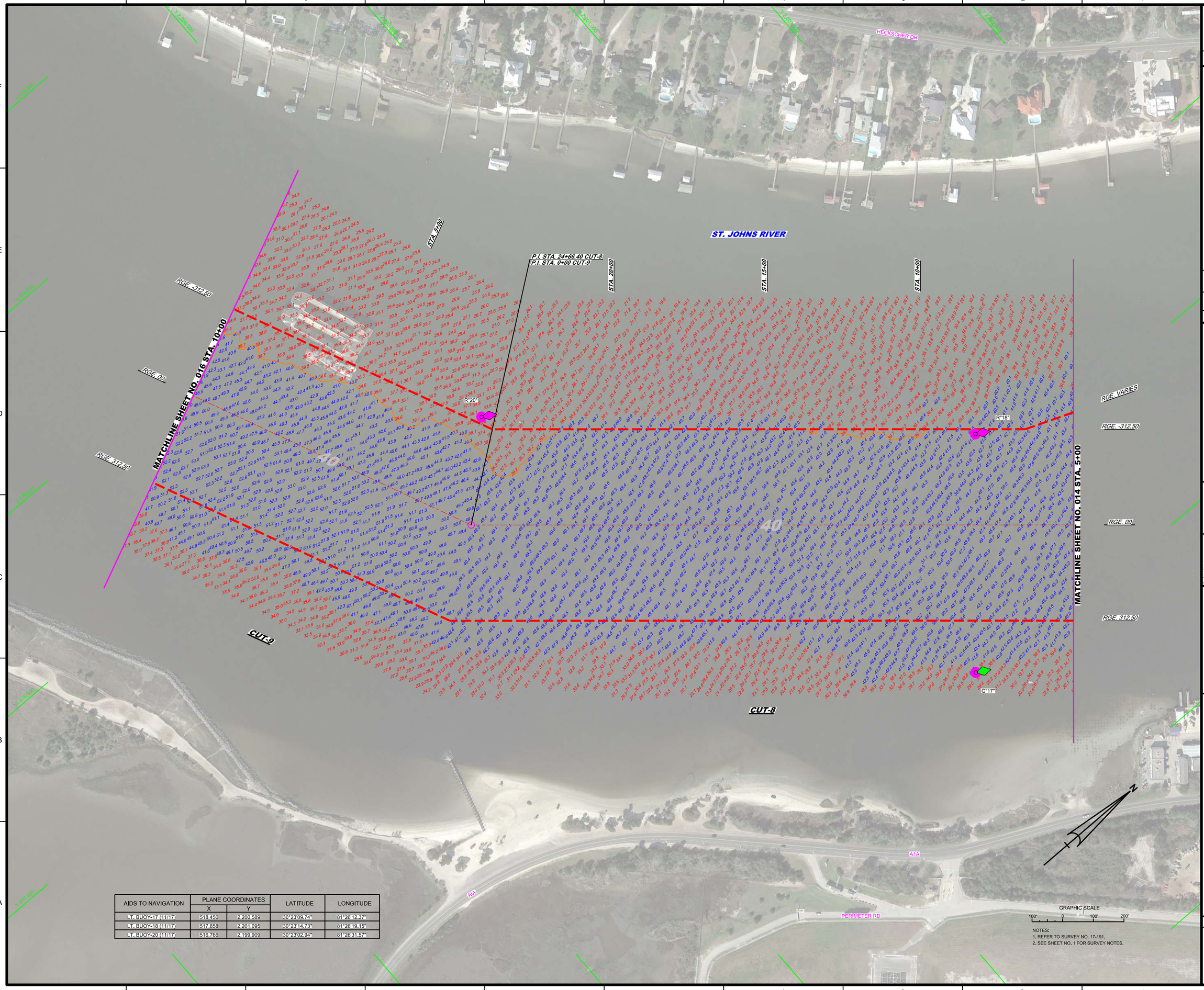


AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-17 (11/17)	518,450	2,200,589	30°23'09.74"	81°26'12.37"
LT. BUOY-18 (11/17)	517,858	2,201,095	30°23'14.73"	81°26'19.15"
LT. BUOY-20 (11/17)	516,766	2,199,909	30°23'02.94"	81°26'31.57"

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 17-191.
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 by: CMR
Rev. No.
Date: NOV 2017

JAX-XX-XX-XXXX-XXXX.DGN
17-XX-XX-AAAA.DGN
17-191-XX-CON-NOLDGN
17-191-XX-SOUN_CT.DGN
17-191-XX-SOUN_CT.DGN
17-191-XX-SOUN_CR.DGN
JAXWBR_HYBRID_MAR2013_NAD83HARN.DGN
17-191-CES-SHDR.DGN
17-191-VH-015.DGN

Reference files:
File name:

JACKSONVILLE HARBOR, FLORIDA

4th QUARTER EXAM SURVEY FY17
30, 34, 38, 40 & 42-FOOT PROJECT

STA. 5+00 CUT-8 THRU STA. 10+00 CUT-9

PLAN

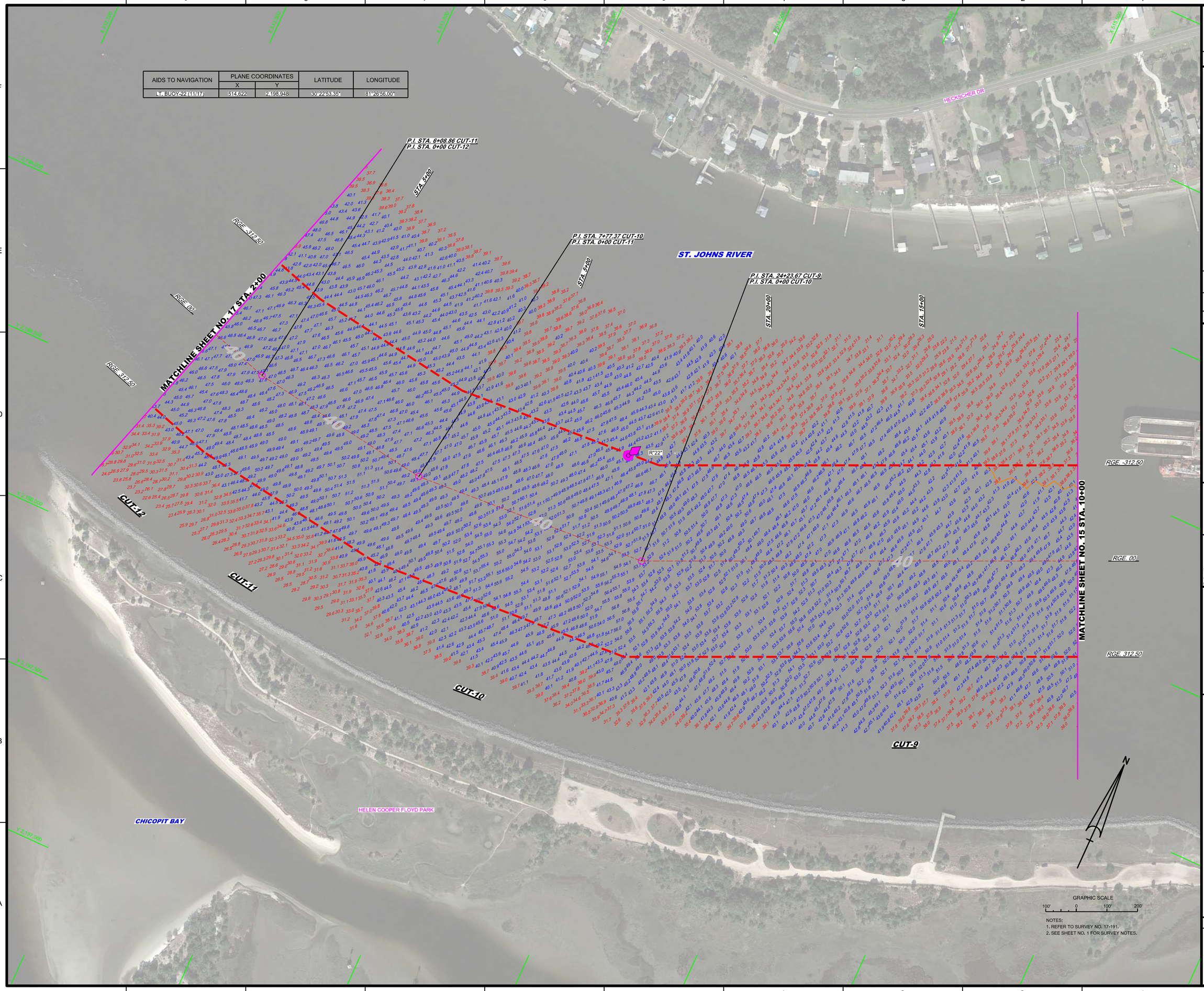
Scale: AS SHOWN

Drawing no.

11 / 32

SHEET 15 OF 57

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-22 (11/17)	514,622	2,198,948	30°22'53.35"	81°26'56.00"



NOTES:
1. REFER TO SURVEY NO. 17-191.
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 by: CMR
Rev. No.
Date: NOV 2017

17-191-HYDRO.DGN
17-191-V-CONTOUR.DGN
17-191-V-SOUN_CR.DGN
17-191-V-SOUN_C10.DGN
17-191-V-SOUN_C11.DGN
17-191-V-SOUN_C12.DGN
JAXWBR_HYBRID_MAR2013_NAD83HARN.DGN
17-191-CESENDR.DGN
Reference files:
17-191-VHD16.DGN
File name:

JACKSONVILLE HARBOR, FLORIDA

4th QUARTER EXAM SURVEY FY17
30, 34, 38, 40 & 42-FOOT PROJECT

STA. 10+00 CUT-9 THRU STA. 2+00 CUT-12

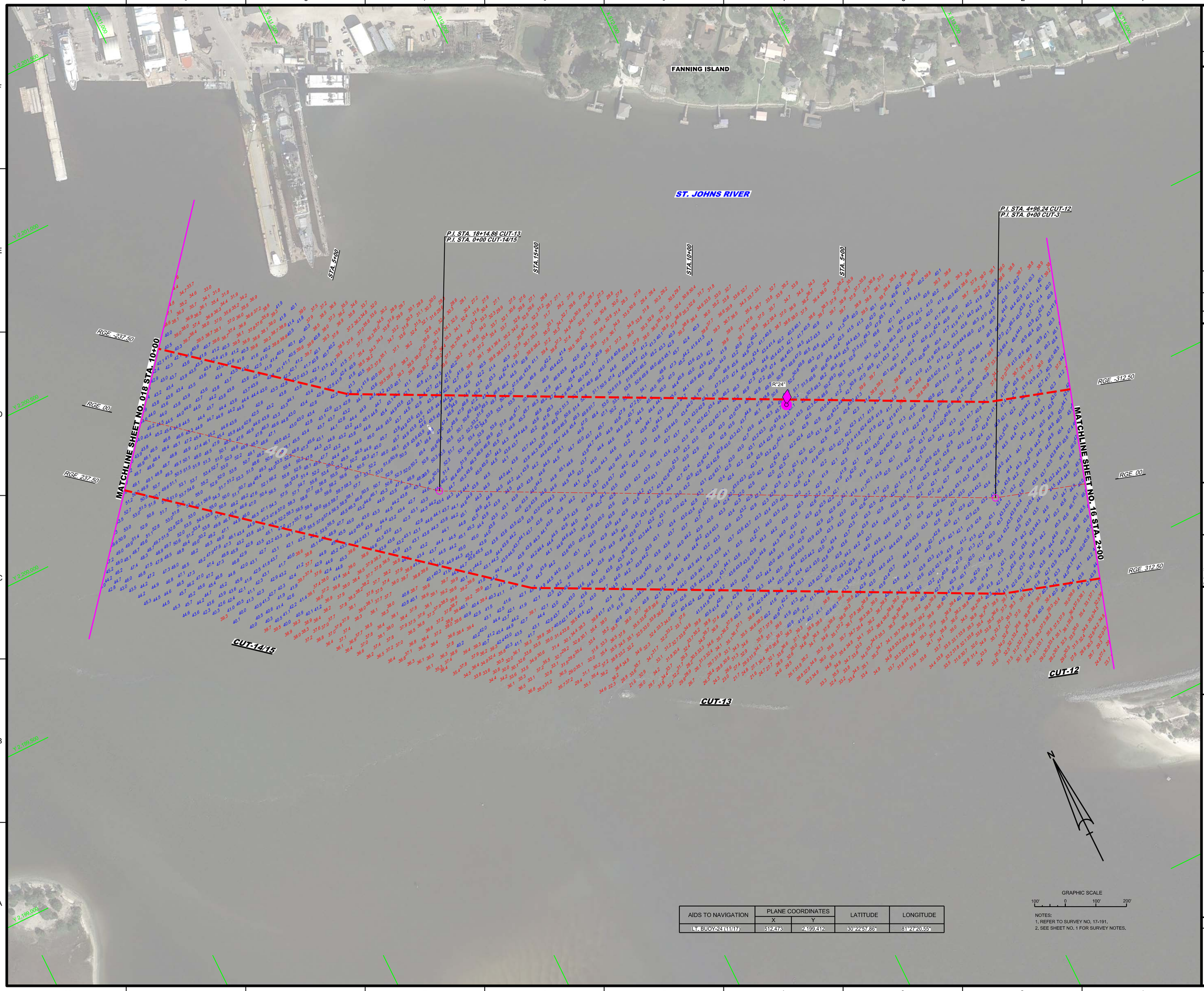
PLAN

Scale: AS SHOWN

Drawing no.

12 / 32

SHEET 16 OF 57



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
L.T. BUOY-24 (11/17)	512,473	2,199,412	30°22'57.86"	81°27'20.55"

NOTES:
1. REFER TO SURVEY NO. 17-191.
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: CMR
Designed by: VIRM
DWN by: VIRM
Rev. No.
Date: NOV 2017

X:\XXXXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXXXX.DGN
17-191-VANAV.DGN
17-191-VJ-SOUN_C12.DGN
17-191-VJ-SOUN_C3.DGN
17-191-VJ-SOUN_C14-15.DGN
JAXHIBR_HYBRID_MAR2013_NAD83HARN.DGN
17-191-C-ESHEET.DGN
Reference files:
17-191-VH017.DGN
File name:

JACKSONVILLE HARBOR, FLORIDA

4th QUARTER EXAM SURVEY FY17
30, 34, 38, 40 & 42-FOOT PROJECT

STA. 2+00 CUT-12 THRU STA. 10+00 CUT14/15

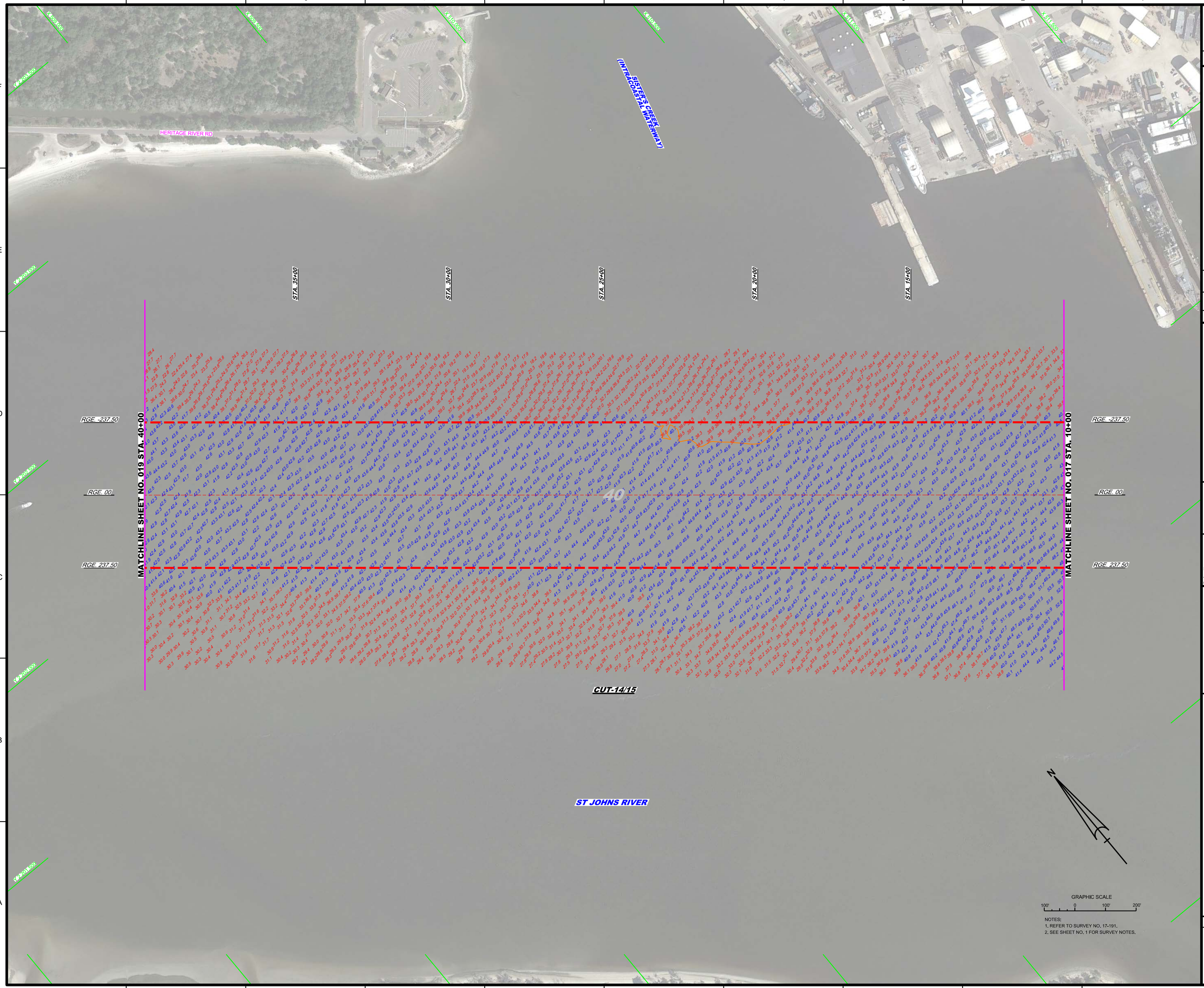
PLAN

Scale: AS SHOWN

Drawing no.

13 / 32

SHEET 17 OF 57



NOTES:
1. REFER TO SURVEY NO. 17-191.
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: CMR
Designed by: VIRM
DWN by: VIRM
Rev. No.
Date: NOV 2017

X:\XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
17-191-JA-SOUN_C14-15.DGN
JAXHBR_HYBRID_MAR2013_NAD83HARN.DGN
17-191-C-ESHEET.DGN
Reference files:
17-191-VH-018.DGN
File name:

JACKSONVILLE HARBOR, FLORIDA

4th QUARTER EXAM SURVEY FY17
30, 34, 38, 40 & 42-FOOT PROJECT

STA. 10+00 THRU STA. 40+00 CUT-14/15

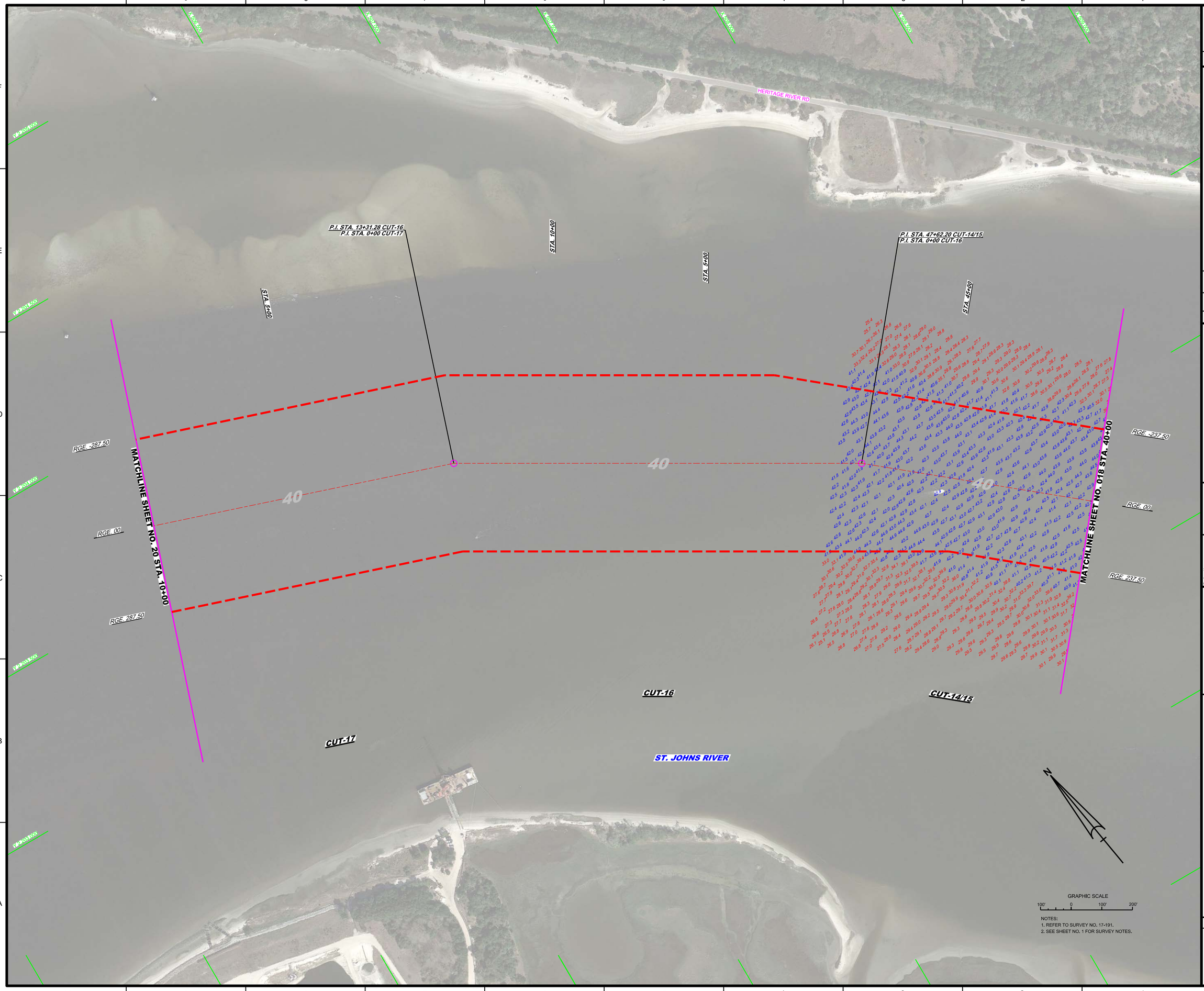
PLAN

Scale: AS SHOWN

Drawing no.

14 / 32

SHEET 18 OF 57



NOTES:
1. REFER TO SURVEY NO. 17-191.
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
DWN by: VIRM
Ckd by: CMR
Rev. No.
Date: NOV 2017

XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
T-1-191-VSOUN_C14-15.DGN
JAXHBR_HYBRID_MAR2013_NAD83HARN.DGN
17-191-c45-SHDR.DGN
Reference files:
17-191-VH019.DGN
File name:

JACKSONVILLE HARBOR, FLORIDA

4th QUARTER EXAM SURVEY FY17
30, 34, 38, 40 & 42-FOOT PROJECT

STA. 40+00 CUT-14/15 THRU STA. 10+00 CUT-17

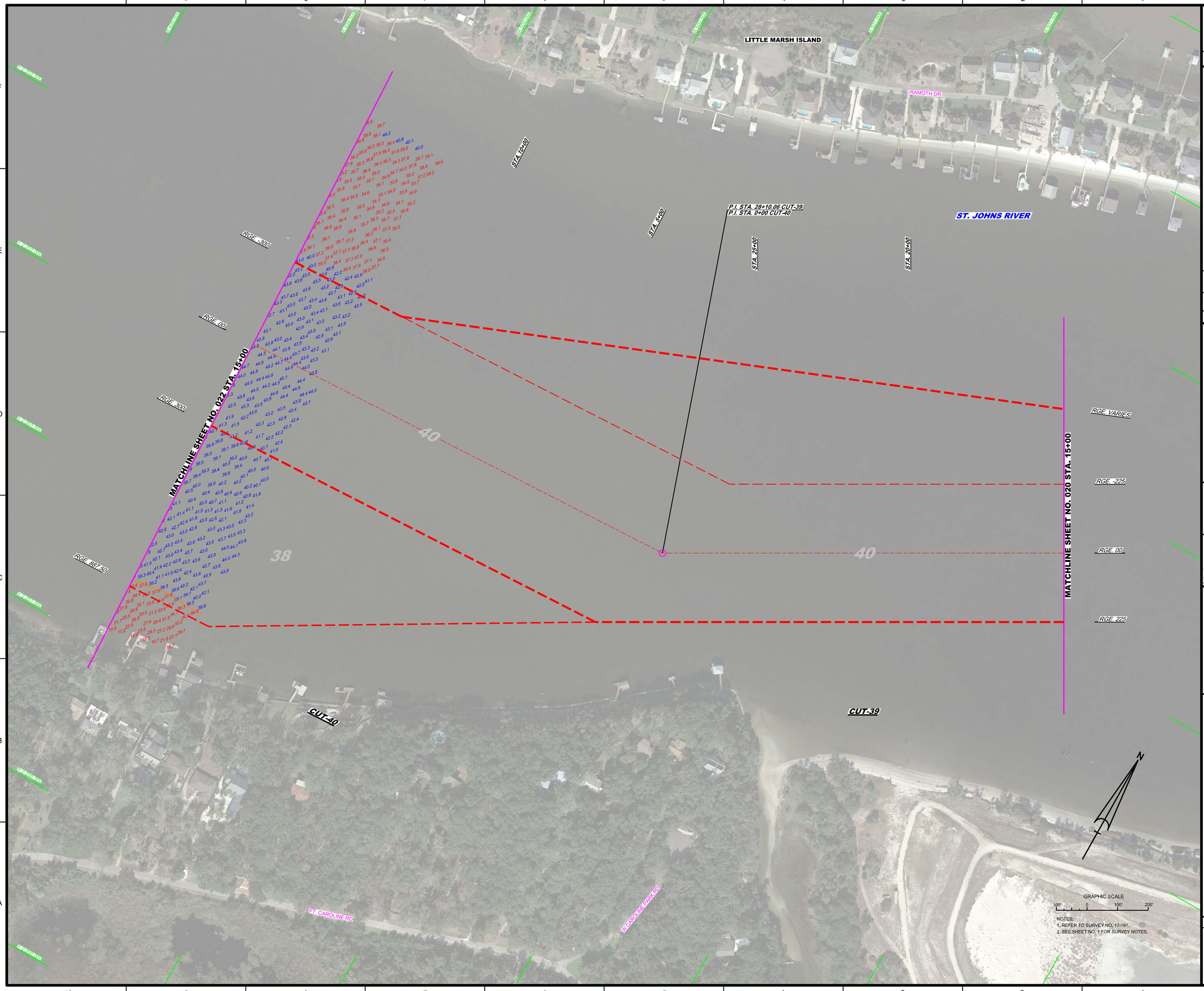
PLAN

Scale: AS SHOWN

Drawing no.

15 / 32

SHEET 19 OF 57



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

Chief by: CMR
Designed by: VRM
DWN by: VRM
Rev. No.
Date: NOV 2017

XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
17-191-XXXXXX.DGN
17-191-A-SOUN_CAD.DGN
JAXHBR_HYBRID_MAR2013_NAD83HARN.DGN
17-191-Ce5Se8RDR.DGN
Reference files:
17-191-VH021.DGN
File name:

JACKSONVILLE HARBOR, FLORIDA

4th QUARTER EXAM SURVEY FY17
30, 34, 38, 40 & 42-FOOT PROJECT

STA. 15+00 CUT-39 THRU STA. 15+00 CUT-40

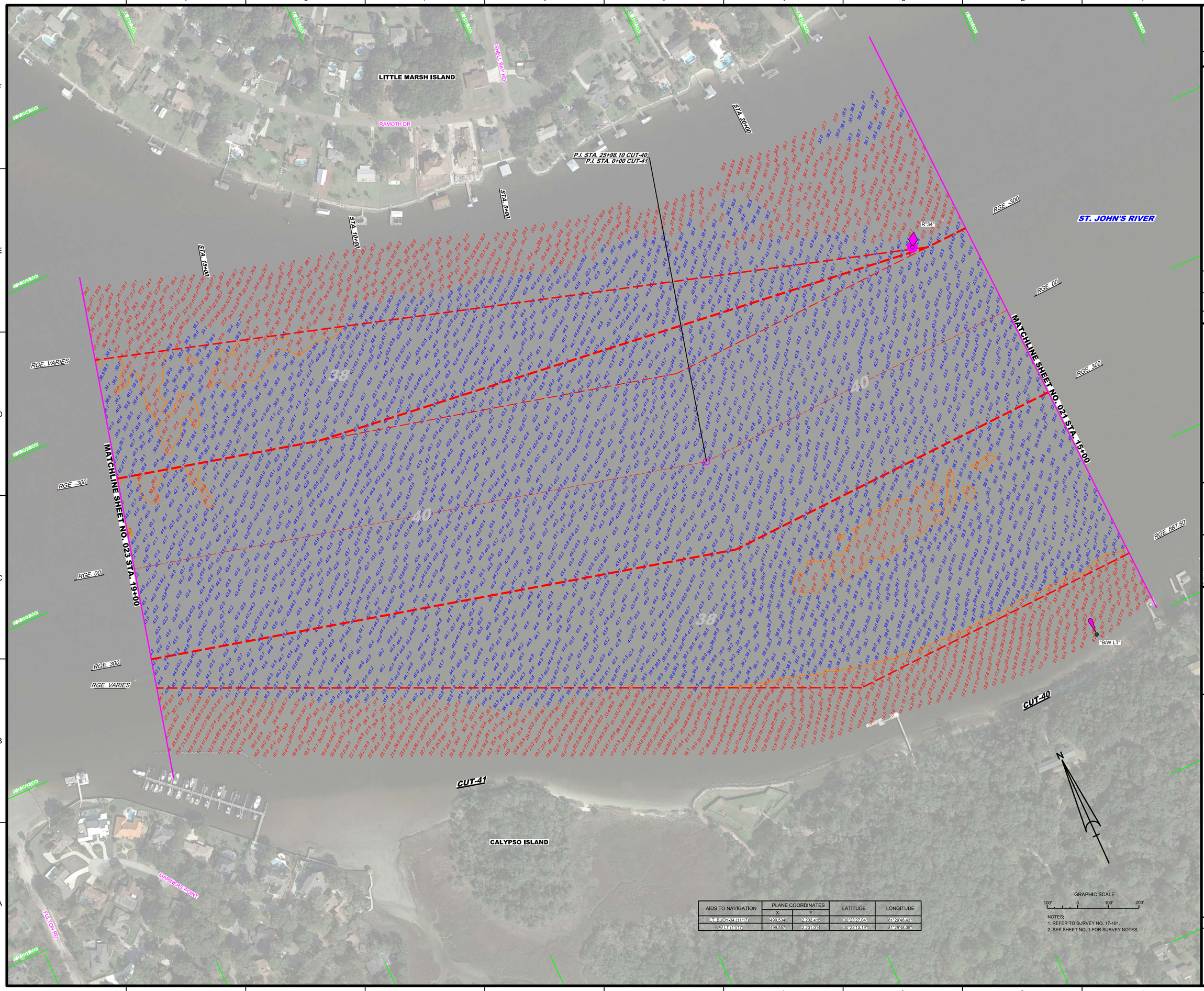
PLAN

Scale: AS SHOWN

Drawing no.

16 / 32

SHEET 21 OF 57



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-34 (11/17)	499,534	2,202,415	30°23'27.04"	81°29'48.43"
B/W LT (11/17)	499,557	2,201,014	30°23'13.19"	81°29'48.09"

NOTES:
1. REFER TO SURVEY NO. 17-191.
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
Chk'd by: GMR
Dwg. No.
Date: AUG 2017

XX-XXXX-XX-XX-XXXX.DGN
XX-XXXX-AAAA.DGN
17-191-AA-CON0.DGN
17-191-AA-CON8.DGN
17-191-AA-CON40.DGN
17-191-AA-CON42.DGN
17-191-AA-SOUN_C41.DGN
JAXHBR_HYBRID_MAR2013_NAD83HARN.DGN
17-1622-BB-BRDR.DGN
Reference files:
17-191-AA-H22.DGN
File name:

JACKSONVILLE HARBOR, FLORIDA

3rd QUARTER EXAM SURVEY FY17
30, 34, 38, 40 & 42-FOOT PROJECT

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

PLAN

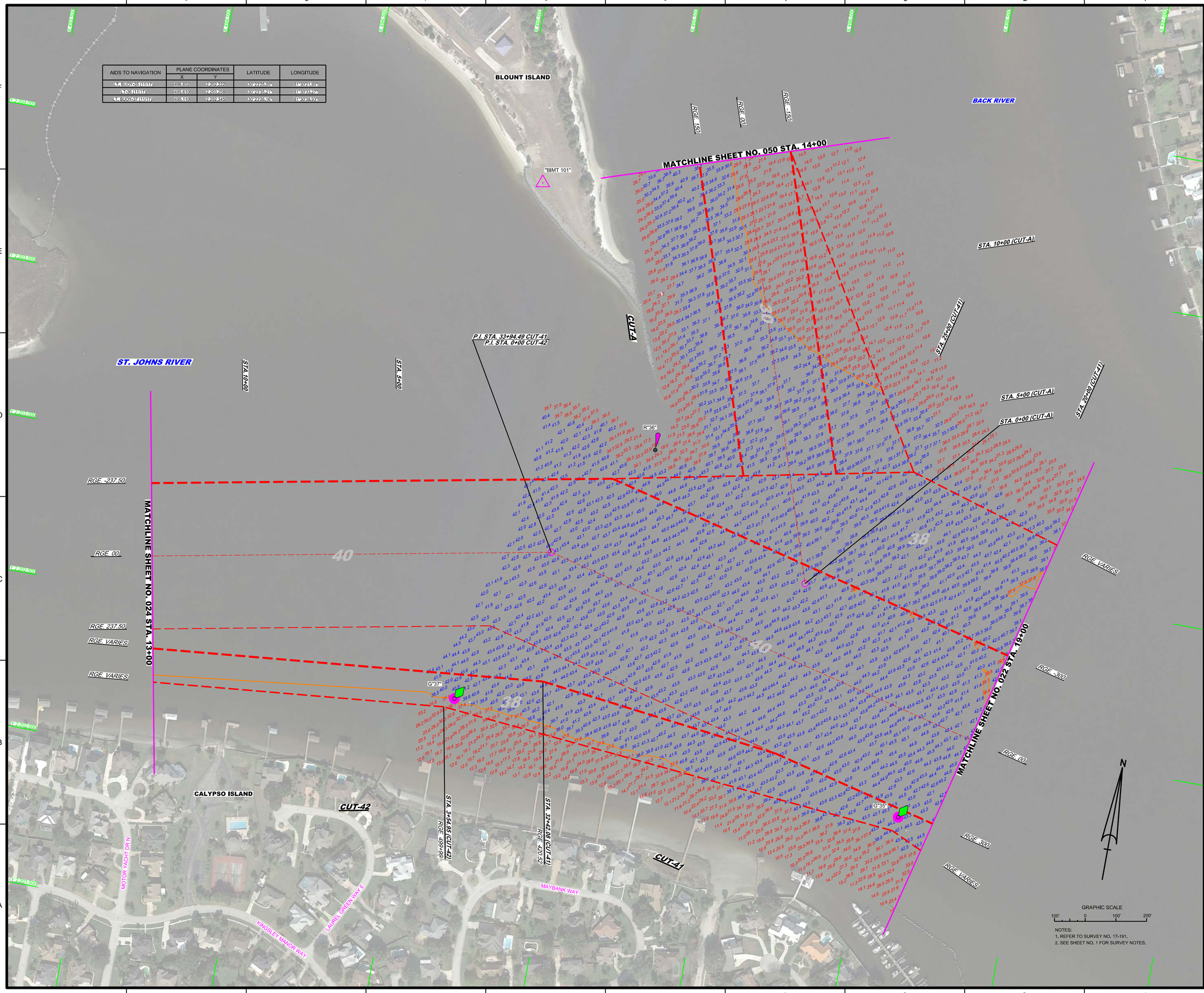
Scale: AS SHOWN

Drawing no.

17 / 32

SHEET 22 OF 57

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-35 (11/17)	495.60	2,202,222	30°23'25.60"	81°30'21.60"
LT. 36 (11/17)	495.610	2,203,255	30°23'35.21"	81°30'33.27"
LT. BUOY-37 (11/17)	495.110	2,202,345	30°23'26.15"	81°30'38.93"



NOTES:
1. REFER TO SURVEY NO. 17-191.
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
Ckd by: GMR
Proj. No.
Date: NOV 2017

17-191-3-AMAV.DGN
17-191-4-CON30.DGN
17-191-4-CON38.DGN
17-191-4-CON40.DGN
17-191-4-SOUN_CAT.DGN
JAXHBR_HYBRID_MAR2013_NAD83HARN.DGN
17-191-4-BR-BRGR.DGN
Reference files
17-191-4-RH-023.DGN
File name:

JACKSONVILLE HARBOR, FLORIDA

4th QUARTER EXAM SURVEY FY17
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

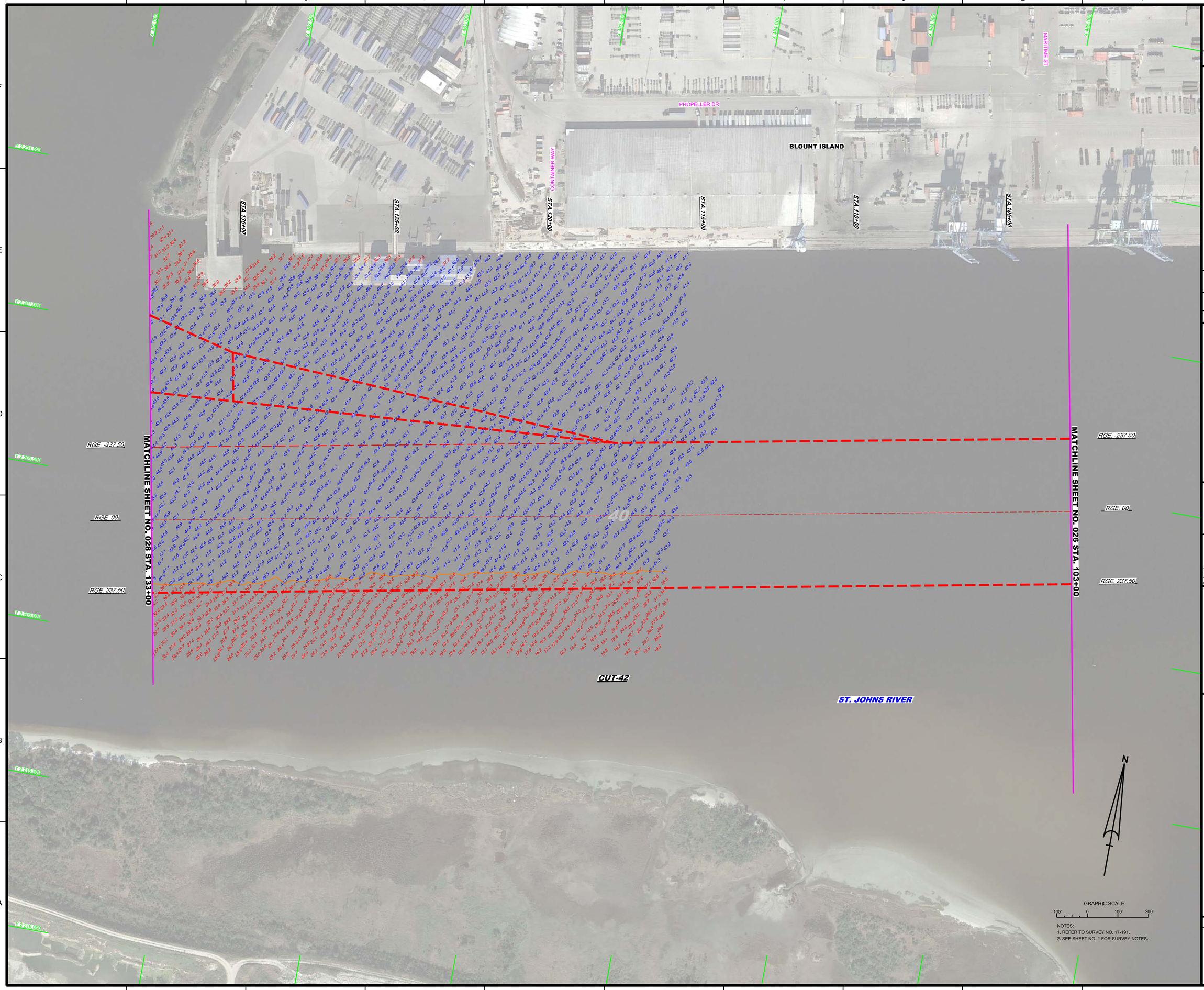
PLAN

Scale: AS SHOWN

Drawing no.

18 / 32

SHEET 23 OF 57



NOTES:
1. REFER TO SURVEY NO. 17-191.
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 by: CMR
Rev. No.
Date: NOV 2017

XXXXXXXXX-X-XXXXXXX.DGN
XXXXXXXX-X-XXXXXXX.DGN
17-191-X-XXXXXXXX.DGN
17-191-X-SOUN_CTG-1.DGN
JAX-HBR_HYBRID_MAR2013_NAD83HARN.DGN
17-191-C-S5-S-ENDR.DGN
Reference files:
17-191-VH-027.DGN
File name:

JACKSONVILLE HARBOR, FLORIDA

4th QUARTER EXAM SURVEY FY17
30, 34, 38, 40 & 42-FOOT PROJECT

STA. 103+00 THRU STA. 133+00 CUT-42

PLAN

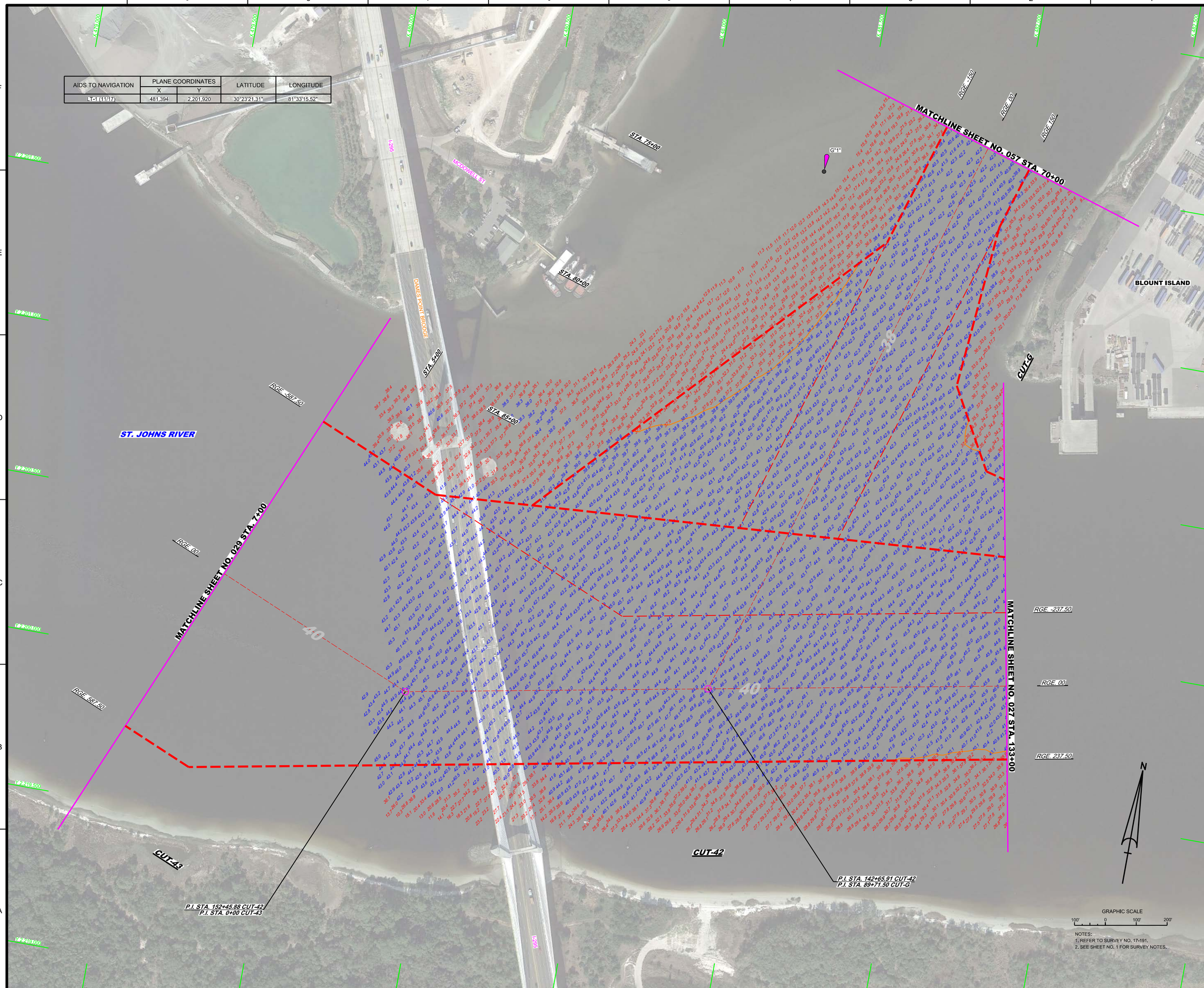
Scale: AS SHOWN

Drawing no.

19 / 32

SHEET 27 OF 57

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-1 (11/17)	481,394	2,201,920	30°23'21.31"	81°33'15.52"



NOTES:
1. REFER TO SURVEY NO. 17-191.
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 by: CMR
Rev. No.
Date: NOV 2017

Reference files:
17-191-XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXXXX.DGN
17-191-HANAV.DGN
17-191-HCONSBLDG.DGN
17-191-HCONSPLAT.DGN
17-191-HSOUN_CTG-L.DGN
JAXHIBR_HYBRID_MAR2013_NAD83HARN.DGN
17-191-HSHORE.DGN
17-191-HSHORE-BNDR.DGN
File name: 17-191-VHD28.DGN

JACKSONVILLE HARBOR, FLORIDA

4th QUARTER EXAM SURVEY FY17
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

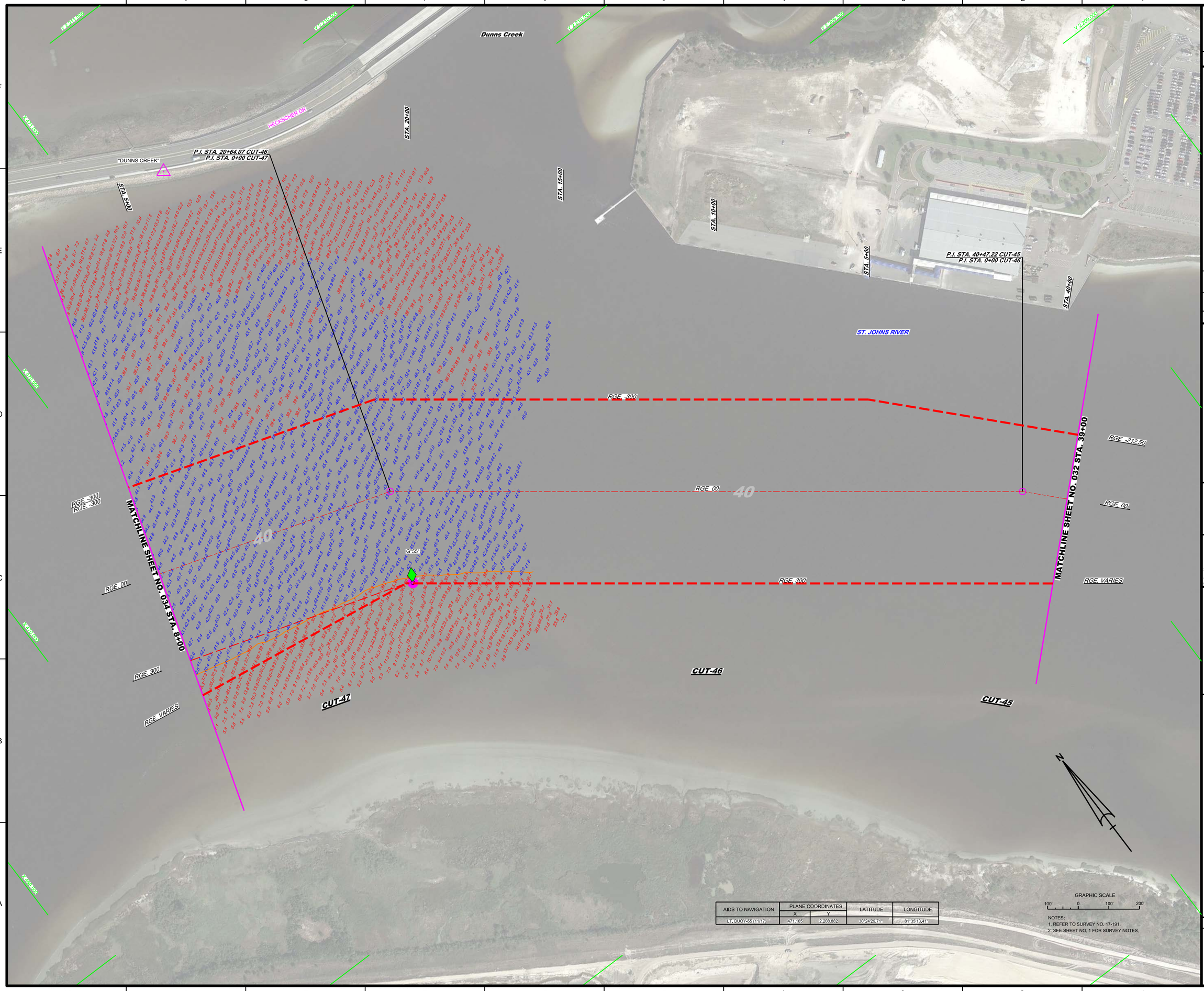
PLAN

Scale: AS SHOWN

Drawing no.

20 / 32

SHEET 28 OF 57



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-55 (11/17)	471,105	2,208,882	30°24'29.71"	81°35'13.41"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 17-191.
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 by: CMR
Rev. No.
Date: NOV 2017

J:\XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
17-191-V-NAV.DGN
17-191-V-SOUND.DGN
17-191-V-SOUN_CT47.DGN
JAXHBR_HYBRID_MAR2013_NAD83HARN.DGN
17-191-C-ES-SHDR.DGN
Reference files:
17-191-VH-139.DGN
File name:

JACKSONVILLE HARBOR, FLORIDA

4th QUARTER EXAM SURVEY FY17
30, 34, 38, 40 & 42-FOOT PROJECT

STA. 39+00 CUT-45 THRU STA. 8+00 CUT-47

PLAN

Scale: AS SHOWN

Drawing no.

21 / 32

SHEET 33 OF 57