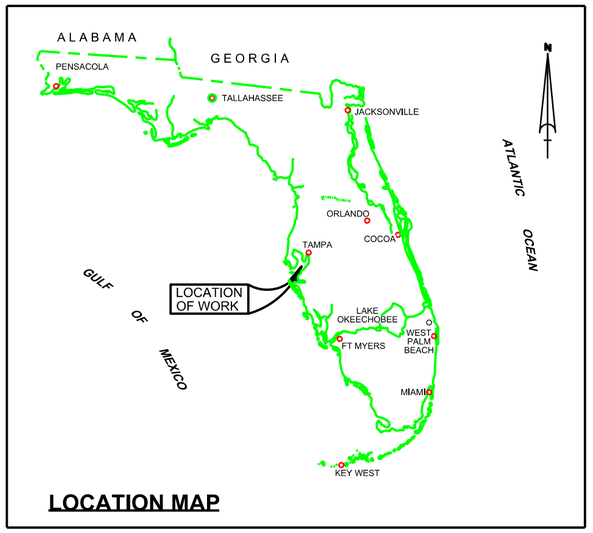


TAMPA HARBOR
CUTS J, J2 AND K
HILLSBOROUGH COUNTY, FLORIDA
EXAMINATION SURVEY FY14
34-FOOT PROJECT

SURVEY ZONE	CUTS
4	CUT-F, CUT-G, GADSDEN POINT CUT
5	CUT-J, CUT-J2, CUT-K
6	CUT-A (HB), CUT-C (HB), CUT-D (HB)
7	LOWER & UPPER SPARKMAN, YBOR CH., SEDDON CH., PORT SUTTON CH., PORT SUTTON T.B., PORT SUTTON TERMINAL CH., EAST BAY CH., EAST BAY EXTENSIONS 1 & 2

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. 14-066.
2. ELEVATIONS ARE IN FEET AND TENTHS AND REFER TO THE NOAA REPORTED MLLW TIDAL DATUM RELATIVE TO THE 1983-2001 TIDAL EPOCH.

   NOAA TIDAL STATION 872-6520, ST. PETERSBURG, TAMPA BAY, FLORIDA
3. TIDAL REDUCTIONS WERE OBTAINED UTILIZING A REAL-TIME KINEMATIC (RTK) GPS AND REFERENCED TO MLLW UTILIZING A HYPACK KINEMATIC TIDE DATUM (KTD) MODEL NAMED "SPC-FL-WEST-2010-12-07.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 WEST ZONE OF FLORIDA AND REFERENCED TO NORTH AMERICAN DATUM OF 1983 (NAD83).
6. ALL AZIMUTHS ARE GRID; RECKONED CLOCKWISE FROM SOUTH.
7. ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
8. THIS SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC GPS POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATIONS:

   REFERENCE BASE LOCATED AT "DILLMAN" (OPUS PID: BBCD48)

   TIDE STAFF LOCATED FROM "EDD 60" (OPUS PID: AG5298)
9. VERTICAL MEASUREMENTS WERE MADE USING A R2SONIC 2024 MULTI-BEAN TRANSDUCER OPERATING AT 240 KHZ. SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.

VESSEL	DATE OF SURVEY	CUT
SB JACKSONVILLE	10, 11 MAR 2014	CUT-J
SB JACKSONVILLE	11 MAR 2014	CUT-J2
SB JACKSONVILLE	14, 15 MAR 2014	CUT-K

10. AIDS TO NAVIGATION WERE LOCATED DURING THIS SURVEY.
11. THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF 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.
12. 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, 1 JAN 02.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone

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

Designed by: WRM
DWN by: WRM
Ckd by: GB
Inv. No.
Date: DD MMM YYYY

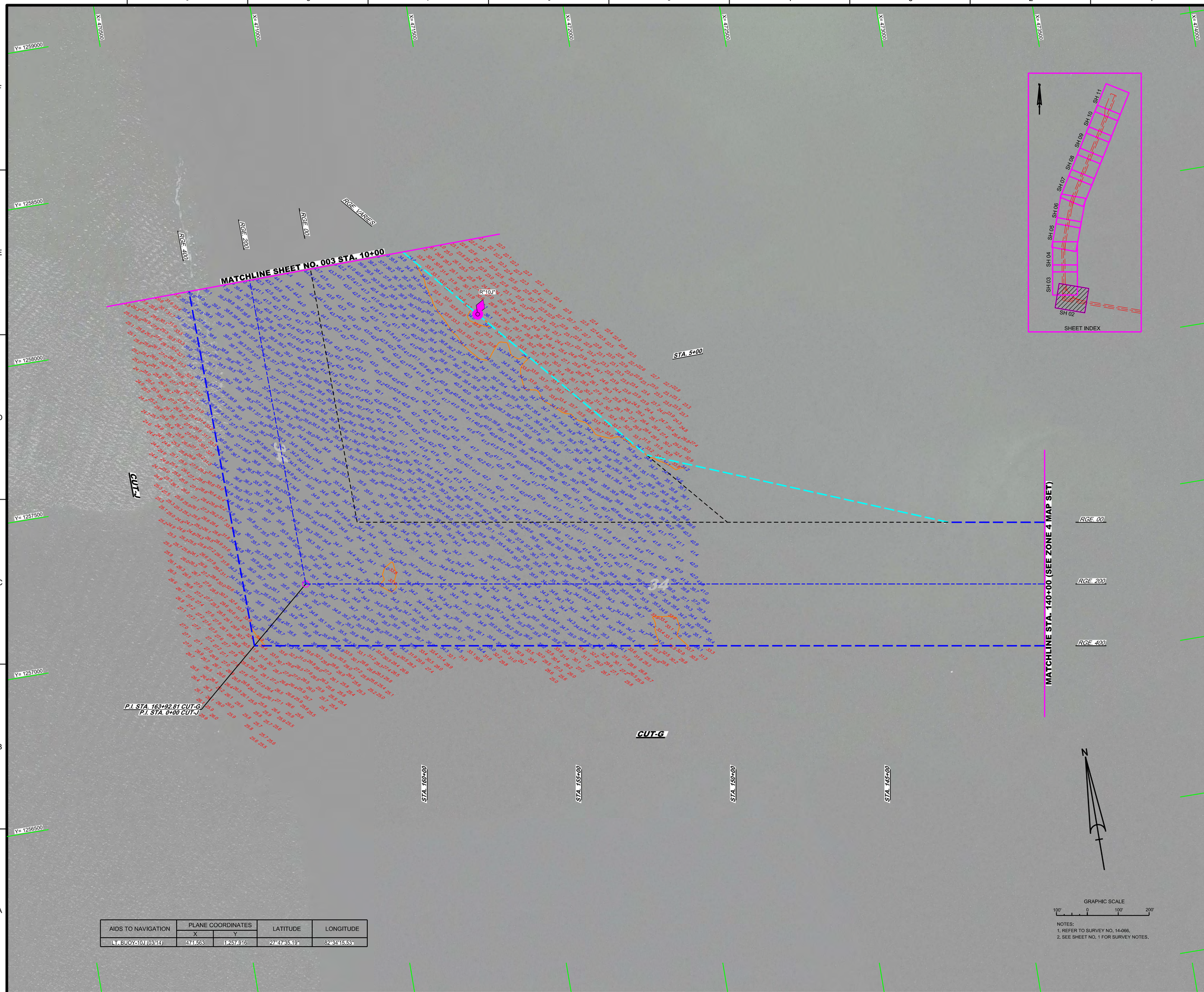
XXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXX.DGN
14-066-XXXXXXXXXXXX.DGN
14-066-AREA_ZONES.DGN
TAMPA HARBOR-C-SPNCCF.DGN
14-066-CABS-BRDR.DGN
Reference files
14-066-VHA01_ZZLDGN
File name:

TAMPA HARBOR
HILLSBOROUGH / PINELLAS COUNTIES, FLORIDA
HYDROGRAPHIC EXAM SURVEY FY14
34-FOOT PROJECT
INDEX, LOCATION AND VICINITY
MAP

Scale: AS SHOWN

Drawing no.
1

SHEET 01 OF 11



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-10J (03/14)	471,563	1,257,916	27°47'35.19"	82°34'15.53"

NOTES:
1. REFER TO SURVEY NO. 14-066.
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

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

Designed by: VIRM
DWN by: VIRM
Chkd by: GR
Rev. No.
Date: DD.MMM.YYYY

XXXXXXXXXX-XXXXXX.DGN
XXXXXXXXXX-XXXXXX.DGN
XXXXXXXXXX-XXXXXX.DGN
14-066-M-CON34.DGN
14-066-M-AVG.DGN
14-066-N-SOUN_CUT-I-A.DGN
TAMPA HARBOR-C-SPMCCF.DGN
14-066-C-ES-SHDR.DGN
Reference files:
14-066-VHz2_ZS.DGN
File name:

TAMPA HARBOR
HILLSBOROUGH / PINELLAS COUNTIES, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY14
34-FOOT PROJECT

STA. 140+00 CUT-G THRU STA. 10+00 CUT-J

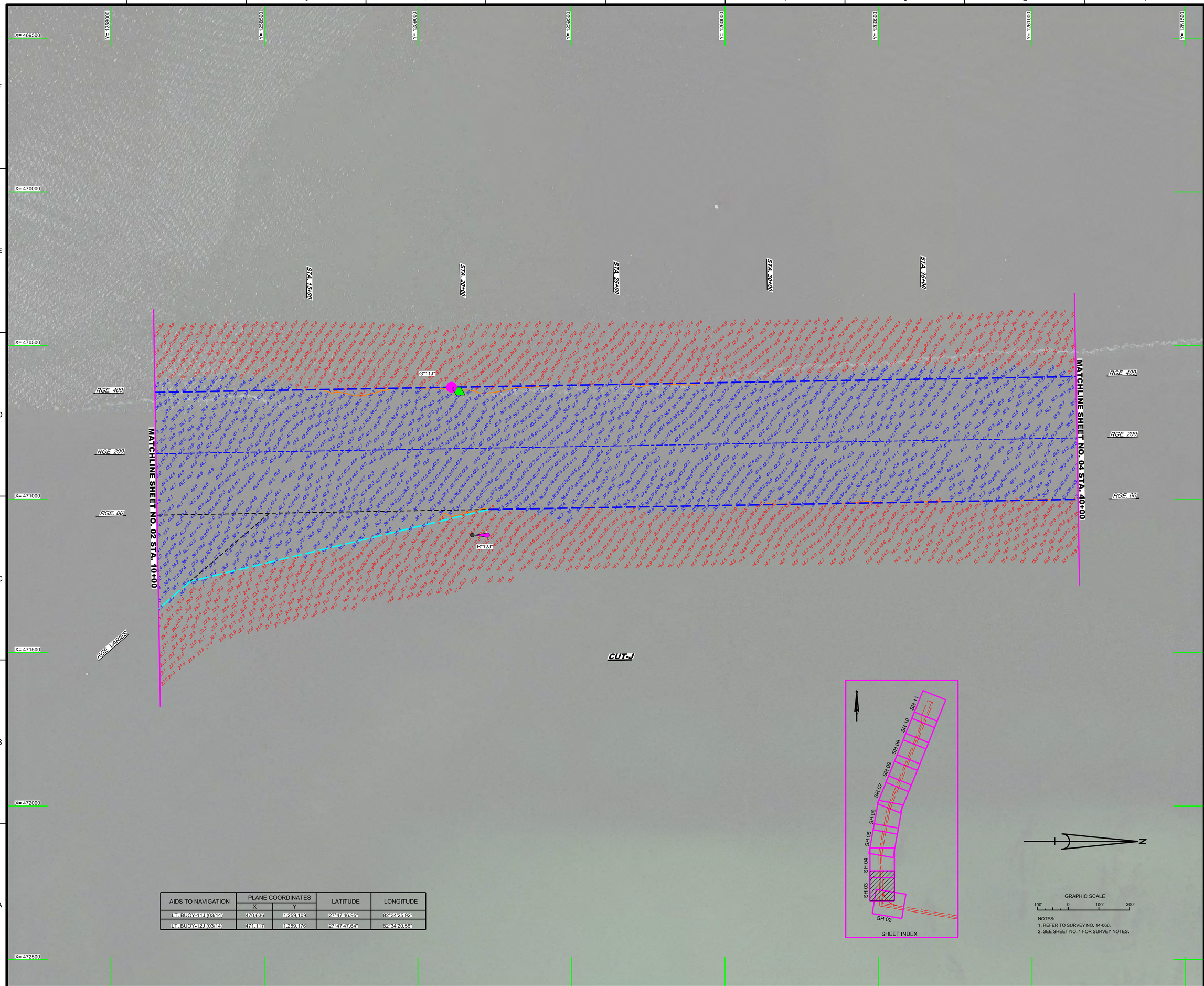
PLAN

Scale: AS SHOWN

Drawing no.

2

SHEET 02 OF 11



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-11J (03/14)	470,636	1,259,109	27°47'46.95"	82°34'25.92"
LT. BUOY-12J (03/14)	471,117	1,259,176	27°47'47.64"	82°34'20.56"

NOTES:
1. REFER TO SURVEY NO. 14-066.
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

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

Designed by: VIRM
Drawn by: VIRM
Checked by: GR
Rev. No.
Date: DD.MMM.YYYY

X:\XXXXXXX-XXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
14-066-M-CONS4.DGN
14-066-M-ALL-CON.DGN
14-066-M-SOUN_CUT-J-BJ.DGN
TAMPA HARBOR-C-SPMICF.DGN
14-066-C-BS-BNDR.DGN
Reference files:
14-066-VHD_ZS.DGN
File name:

TAMPA HARBOR
HILLSBOROUGH / PINELLAS COUNTIES, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY14
34-FOOT PROJECT

STA. 10+00 THRU STA. 40+00 CUT-J

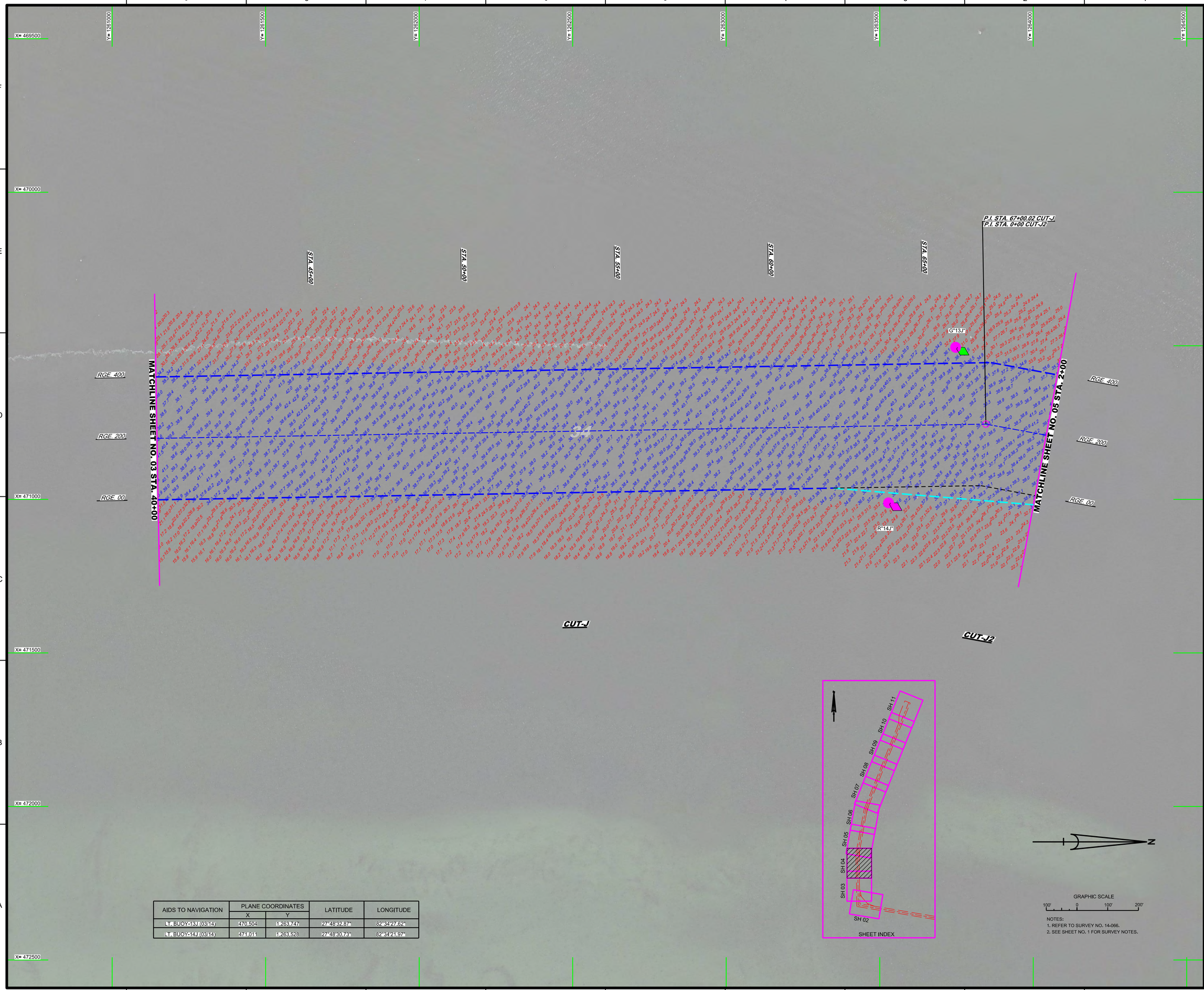
PLAN

Scale: AS SHOWN

Drawing no.

3

SHEET 03 OF 11



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-13J (03/14)	470,504	1,263,747	27°48'32.87"	82°34'27.62"
LT. BUOY-14J (03/14)	471,011	1,263,528	27°48'30.73"	82°34'21.97"

NOTES:
1. REFER TO SURVEY NO. 14-066.
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

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

Designed by: WRM
DWN by: WRM
Ckd by: GR
Proj. No.
Date: DD MMM YYYY

XXXXXXXXX-XXXXXX.DGN
XXXXXXXXX-XXXXXX.DGN
XXXXXXXXX-XXXXXX.DGN
14-066A-NAV.DGN
14-066A-SOUN_CUT-J2.DGN
14-066A-SOUN_CUT-J.DGN
TAMPA HARBOR-C-SPMCDF.DGN
14-066-CBS-BROR.DGN
Reference files

14-066-VHS4_25.DGN
File name:

TAMPA HARBOR
HILLSBOROUGH / PINELLAS COUNTIES, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY14
34-FOOT PROJECT

STA. 40+00 CUT-J THRU STA. 2+00 CUT-J2

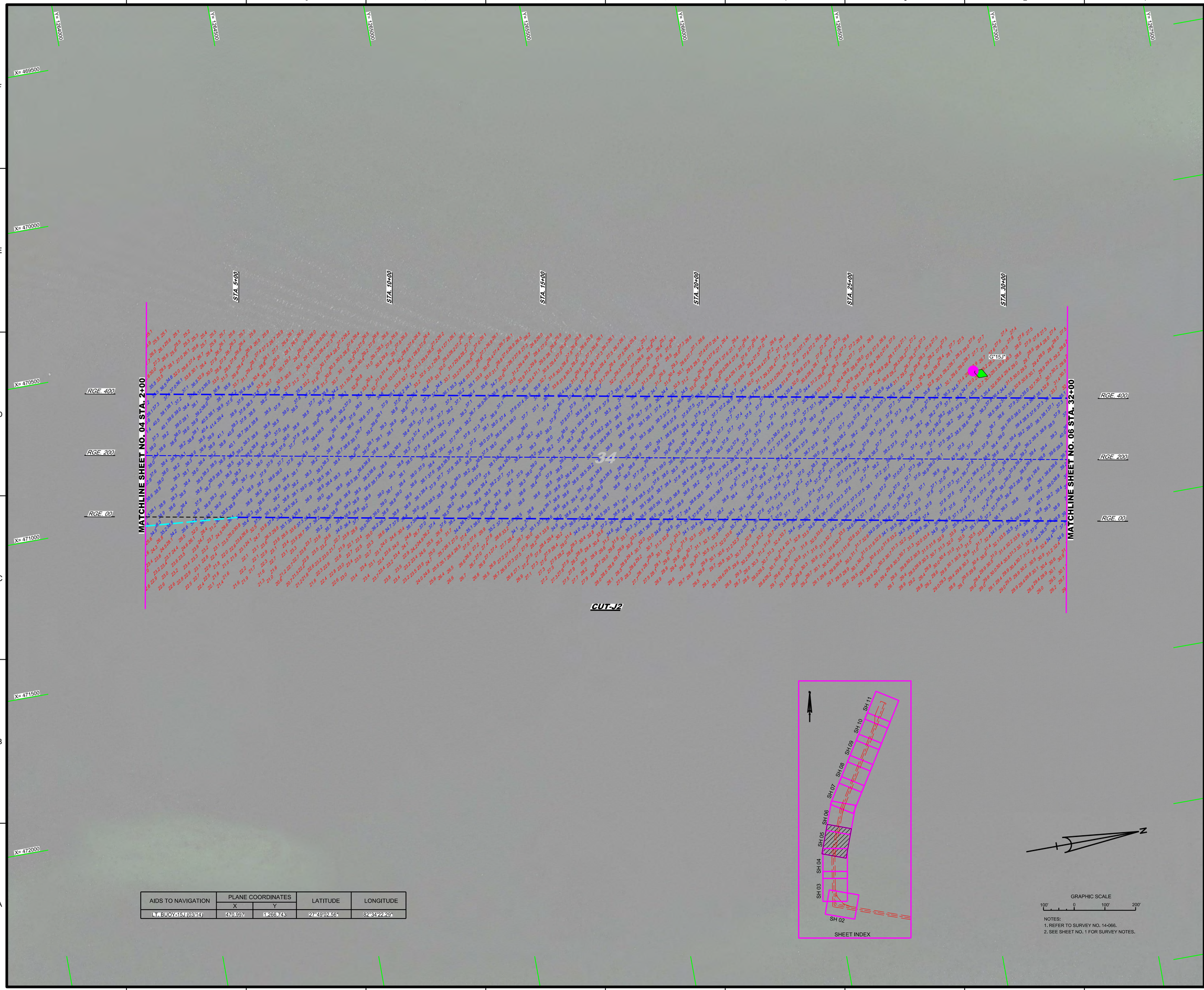
PLAN

Scale: AS SHOWN

Drawing no.

4

SHEET 04 OF 11



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-15J (03/14)	470,997	1,266,743	27°49'02.56"	82°34'22.29"

NOTES:
1. REFER TO SURVEY NO. 14-066.
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

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

Designed by: VIRM
Drawn by: VIRM
Checked by: GR
Rev. No.
Date: DD.MMM.YYYY

X:\XXXXXXXX-XXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
14-066-HASQUN_CUT-J2.DGN
TAMPA HARBOR-C-SPMICF.DGN
14-066-CES-SHDR.DGN
Reference files:
14-066-VHS5_ZS.DGN
File name:

TAMPA HARBOR
HILLSBOROUGH / PINELLAS COUNTIES, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY14
34-FOOT PROJECT

STA. 2+00 THRU STA. 32+00 CUT-J2

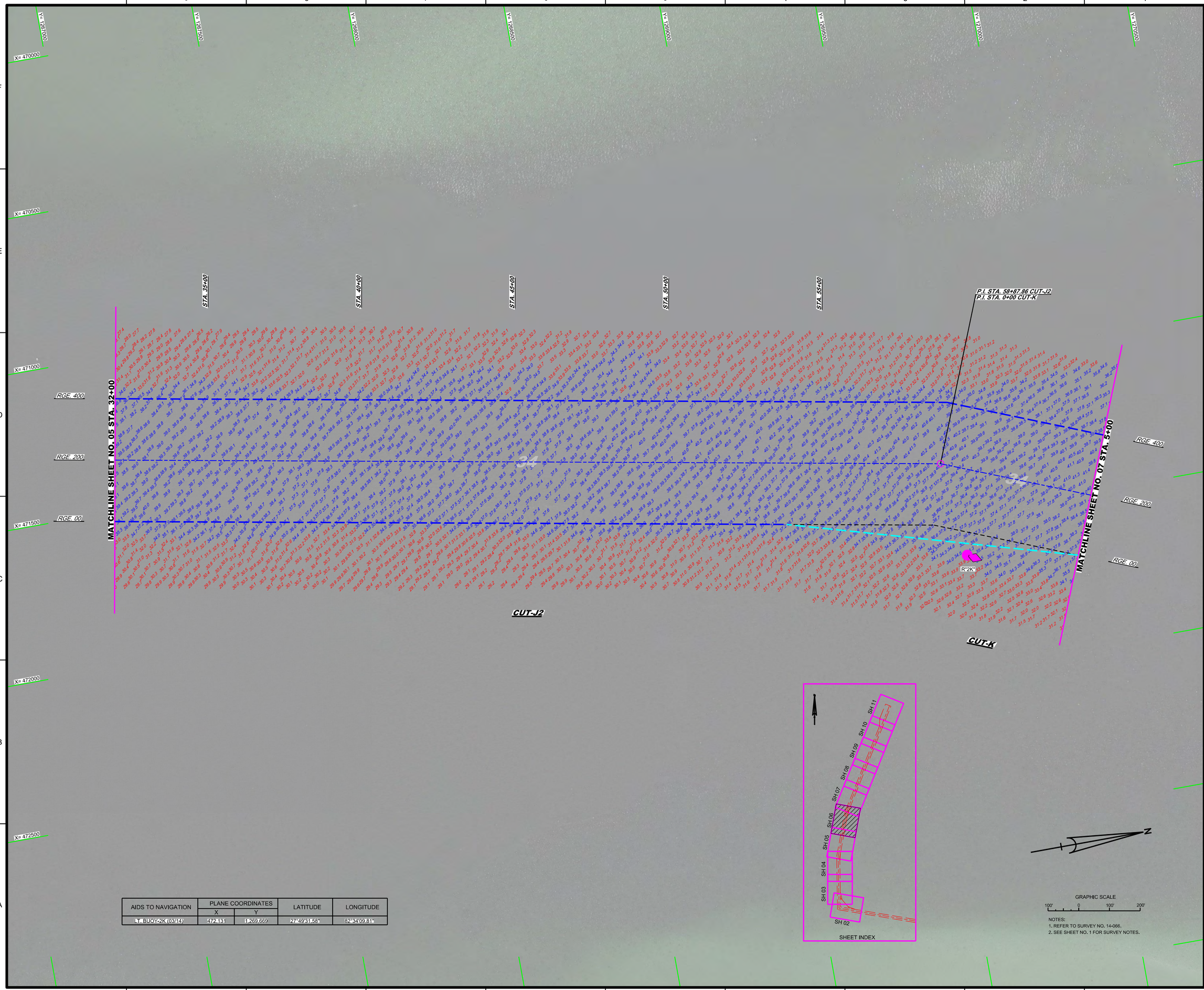
PLAN

Scale: AS SHOWN

Drawing no.

5

SHEET 05 OF 11



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-2K (03/14)	472,131	1,269,669	27°49'31.58"	82°34'09.81"

NOTES:
1. REFER TO SURVEY NO. 14-066.
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

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

Designed by: WRM
DWN by: WRM
Ckd by: GB
Rev. No.
Date: DD MMM YYYY

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
14-066A-NAV.DGN
14-066A-SOUN_CUT-K.DGN
14-066A-SOUN_CUT-J2.DGN
TAMPA HARBOR-C-SPMCDF.DGN
14-066-C-BS-BRDR.DGN
Reference files

14-066-HNS6_ZS.DGN
File name:

TAMPA HARBOR
HILLSBOROUGH / PINELLAS COUNTIES, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY14
34-FOOT PROJECT

STA. 32+00 CUT-J2 THRU STA. 5+00 CUT-K

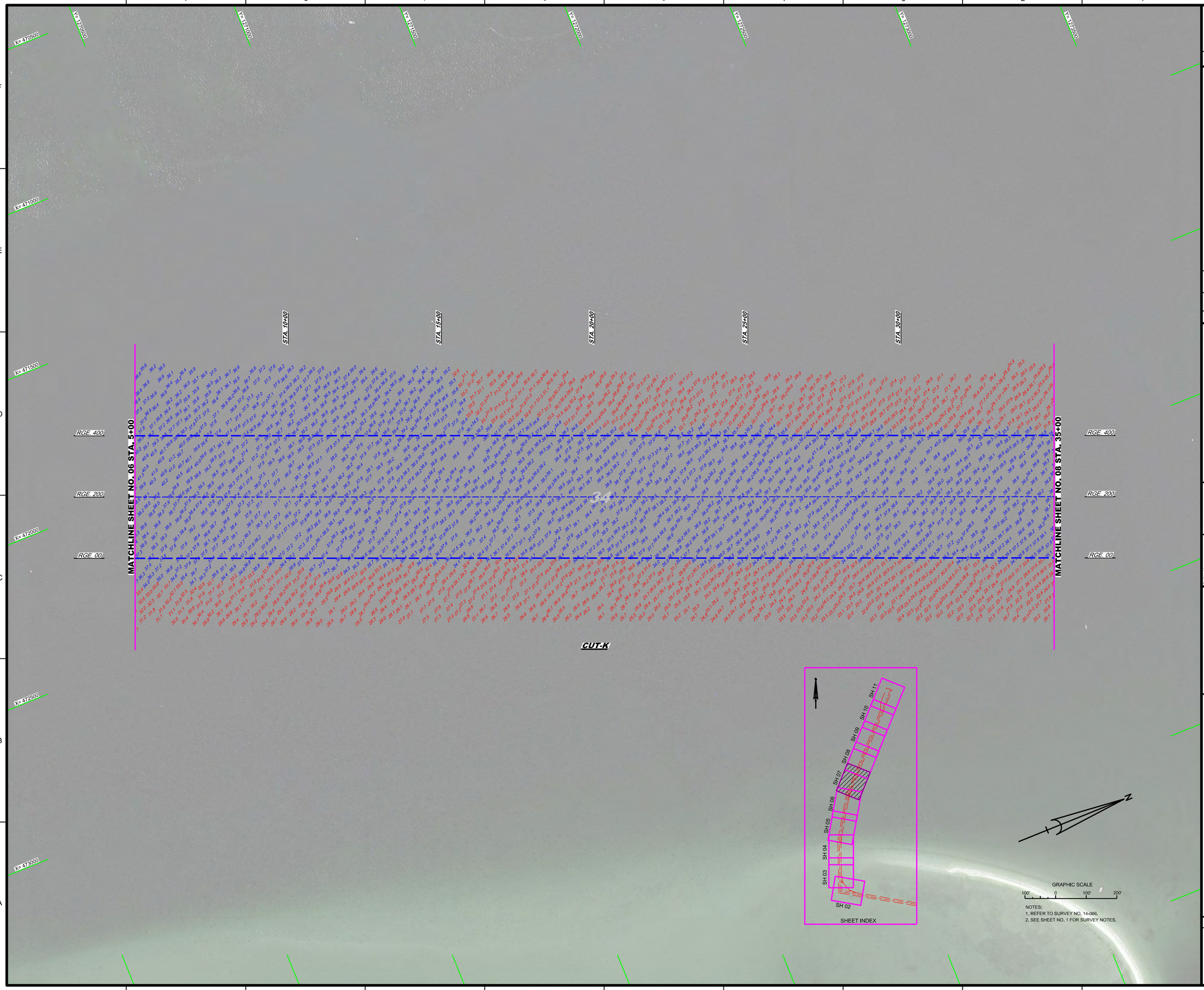
PLAN

Scale: AS SHOWN

Drawing no.

6

SHEET 06 OF 11



NOTES:
1. REFER TO SURVEY NO. 14-066.
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: MRM
DWN by: MRM
Ckd by: GB
Rev. No.
Date: DD MMM YYYY

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
14-066-A-SDOA_CUT-K.DGN
TAMPA HARBOR-C-SPMCCF.DGN
14-066-C-BS-SPGR.DGN
Reference files
14-066-HH07_25.DGN
File name:

TAMPA HARBOR
HILLSBOROUGH / PINELLAS COUNTIES, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY14
34-FOOT PROJECT

STA. 5+00 THRU STA. 35+00 CUT-K

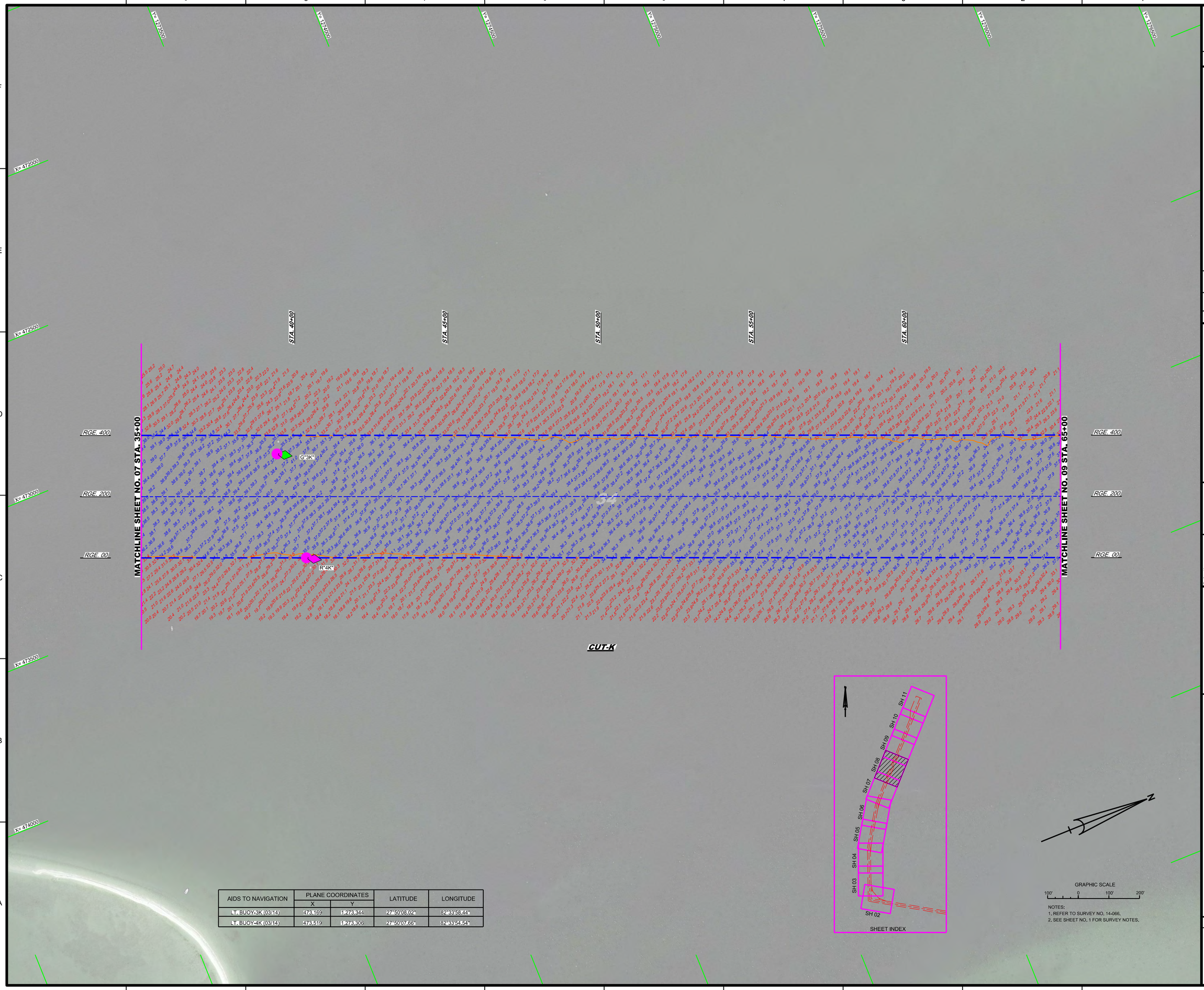
PLAN

Scale: AS SHOWN

Drawing no.

7

SHEET 07 OF 11



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-3K (03/14)	473,169	1,273,344	27°50'08.02"	82°33'58.44"
LT. BUOY-4K (03/14)	473,519	1,273,306	27°50'07.66"	82°33'54.54"

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: GB
Plot No.
Date: DD MMM YYYY

X:\XXXXXXXX-XXXXX.DGN
XXXXXXXX-XXXXXXXX.DGN
XXXXXXXX-XXXXXXXX.DGN
14-066A-SCON34.DGN
14-066A-SCON1.DGN
14-066A-SOUN_CUT-K.DGN
TAMPA HARBOR-C-SPMCOF.DGN
14-066A-BB-BRDR.DGN
Reference files:
14-066A-HR58_25.DGN
File name:

TAMPA HARBOR
HILLSBOROUGH / PINELLAS COUNTIES, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY14
34-FOOT PROJECT

STA. 35+00 THRU STA. 65+00 CUT-K

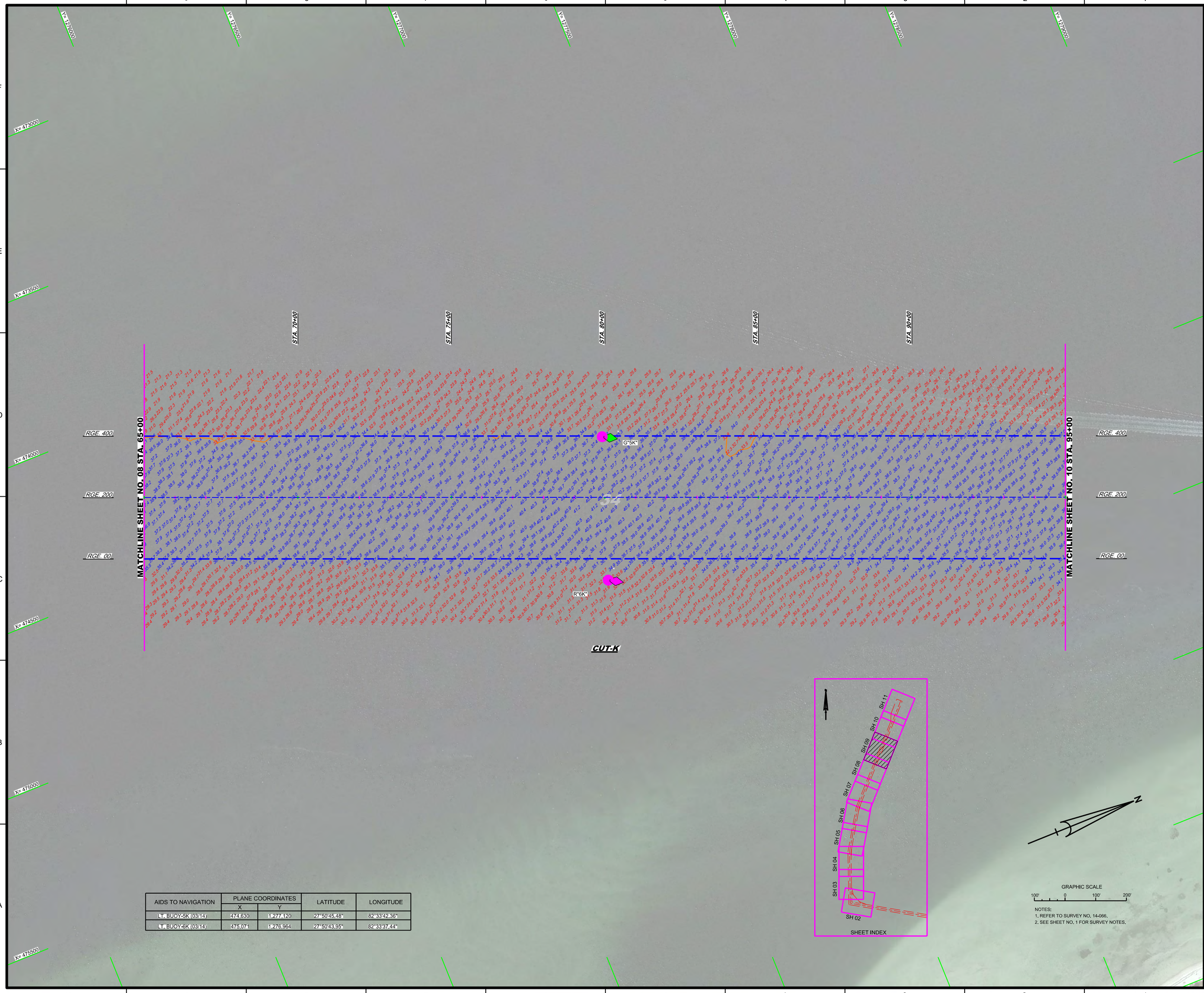
PLAN

Scale: AS SHOWN

Drawing no.

8

SHEET 08 OF 11



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-5K (03/14)	474,630	1,277,120	27°50'45.48"	82°33'42.36"
LT. BUOY-6K (03/14)	475,071	1,276,964	27°50'43.95"	82°33'37.44"

NOTES:
1. REFER TO SURVEY NO. 14-066.
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

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

Designed by: VIRM
Drawn by: VIRM
Checked by: GR
Rev. No.
Date: DD.MMM.YYYY

X:\XXXXXXXX-XXXXXXX.DGN
X:\XXXXXXXX-XXXXXXX.DGN
X:\XXXXXXXX-XXXXXXX.DGN
14-066-M-CONTA.DGN
14-066-M-SOUN.DGN
14-066-M-SOUN_CUT-K.DGN
TAMPA HARBOR-C-SPMICF.DGN
14-066-C-SS-SHDR.DGN
Reference files:
14-066-VHrb_ZS.DGN
File name:

TAMPA HARBOR
HILLSBOROUGH / PINELLAS COUNTIES, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY14
34-FOOT PROJECT

STA. 65+00 THRU STA. 95+00 CUT-K

PLAN

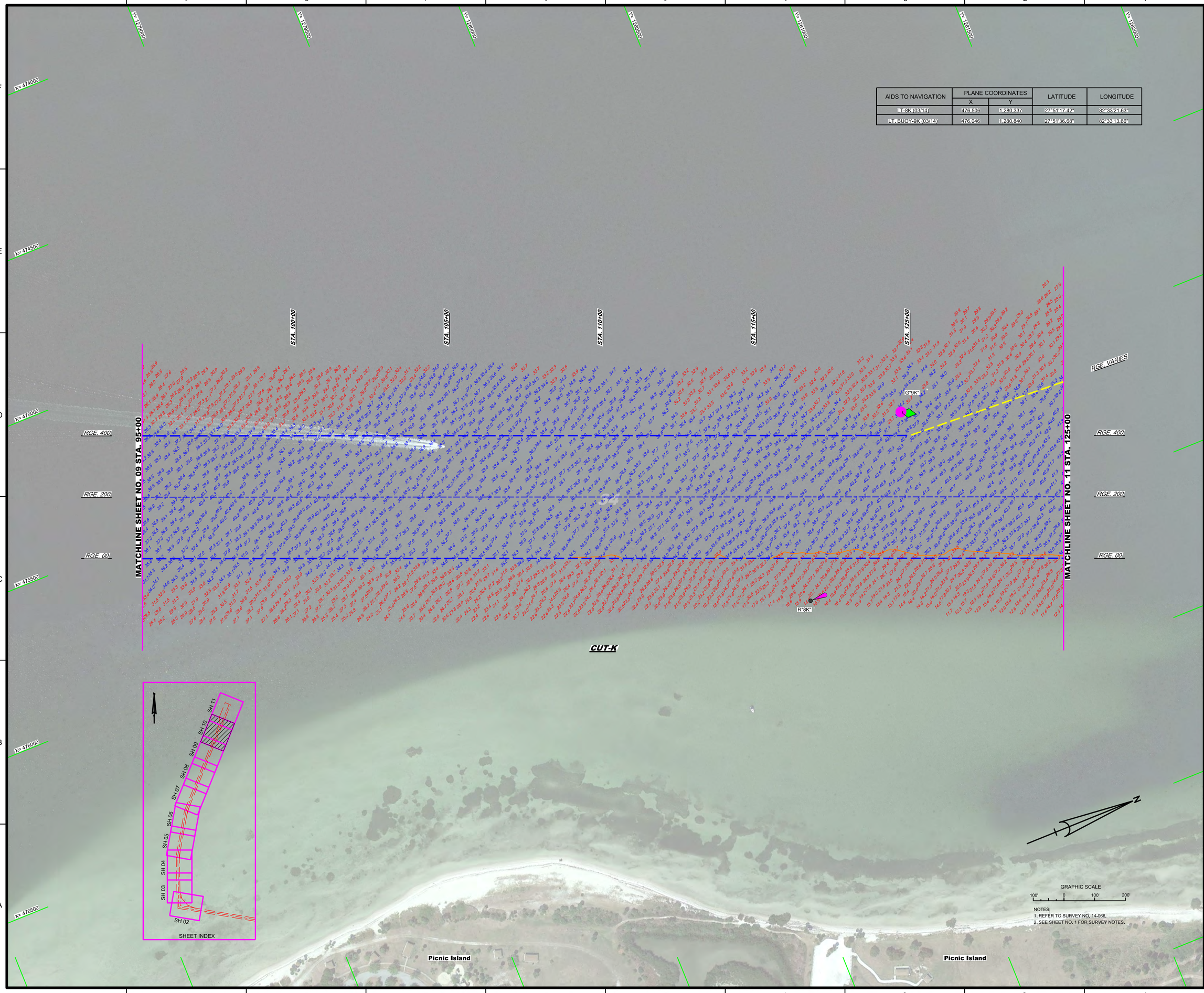
Scale: AS SHOWN

Drawing no.

9

SHEET 09 OF 11

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-8K (03/14)	476,506	1,280,387	27°51'17.42"	82°33'21.63"
LT. BUOY-9K (03/14)	476,046	1,280,840	27°51'36.68"	82°33'13.66"



NOTES:
1. REFER TO SURVEY NO. 14-066.
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

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

Designed by: WRM
DWN by: WRM
Ckd by: GB
Rev. No.
Date: DD MMM YYYY

X:\XXXXXXXX-XXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
14-066A-GCN34.DGN
14-066A-AVG.DGN
14-066A-SOUN_CUT-K.DGN
TAMPA HARBOR-C-SPMCCF.DGN
14-066-C-BR-BRGR.DGN
Reference files:
14-066-VR-10_25.DGN
File name:

TAMPA HARBOR
HILLSBOROUGH / PINELLAS COUNTIES, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY14
34-FOOT PROJECT

STA. 95+00 THRU STA. 125+00 CUT-K

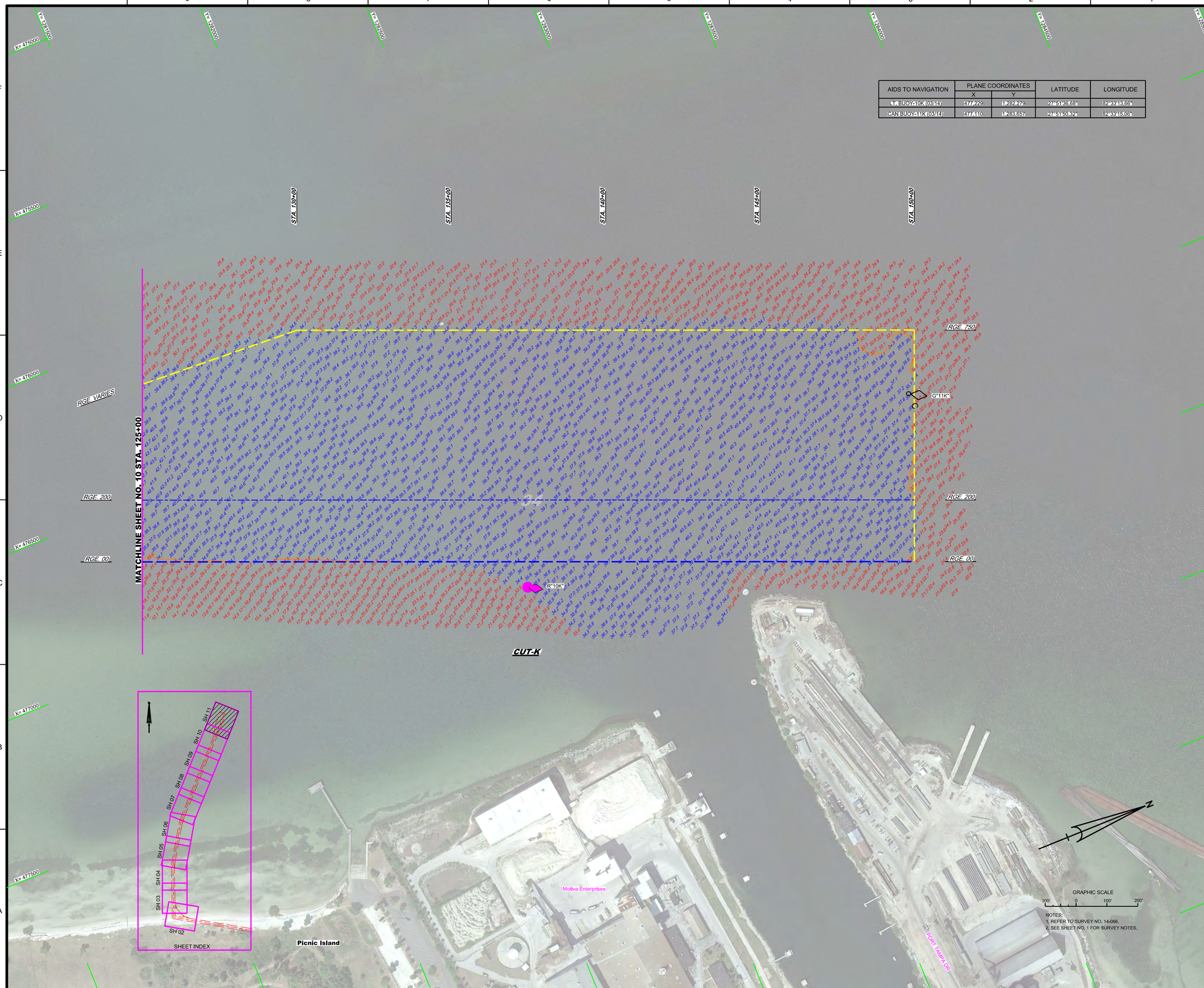
PLAN

Scale: AS SHOWN

Drawing no.
10

SHEET 10 OF 11

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-10K (03/14)	477,229	1,282,279	27°51'36.68"	82°33'13.66"
CAN BUOY-11K (03/14)	477,110	1,283,657	27°51'50.32"	82°33'15.06"



US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone

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

Designed by: VIRM
Drawn by: VIRM
Checked by: GR
Rev. No.
Date: DD.MMM.YYYY

X:\XXXXXXXX-XXXXXX.DGN
XXXXXXXXX-XXXXXXX.DGN
XXXXXXXXX-XXXXXXX.DGN
14-066-M-CONS4.DGN
14-066-M-ALL-CONS.DGN
14-066-M-SOUN_CUT-K.DGN
TAMPA HARBOR-C-SPMICF.DGN
14-066-C-ES-SHDR.DGN
Reference files:
14-066-VH-1_ZS.DGN
File name:

TAMPA HARBOR
HILLSBOROUGH / PINELLAS COUNTIES, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY14
34-FOOT PROJECT

STA. 125+00 THRU STA. 150+00 CUT-K

PLAN

Scale: AS SHOWN

Drawing no.

11

SHEET 11 OF 11