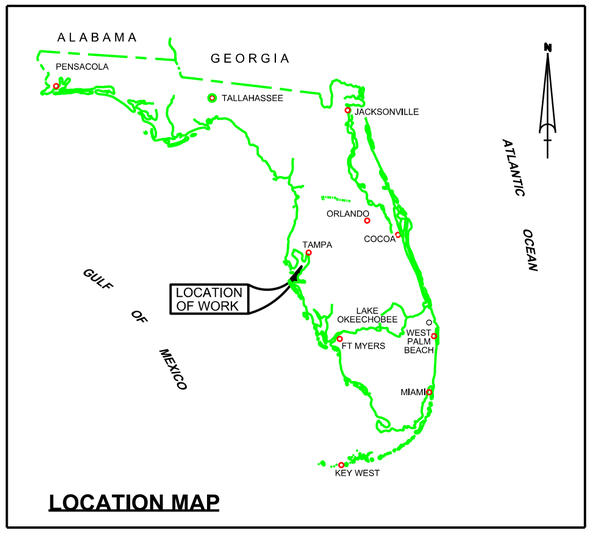


TAMPA HARBOR ZONE 6
CUTS A, C, AND D (HB)
HILLSBOROUGH COUNTY, FLORIDA
EXAMINATION SURVEY FY17
34, 41 AND 43-FOOT PROJECT

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. 17-082. THIS SURVEY IS A COMPILATION OF AFTER-DREDGE SURVEYS PERFORMED UNDER SURVEY NO. 16-199.
2. DEPTHS DEPICTED BY THIS SURVEY ARE REFERENCED TO MEAN LOWER LOW WATER (MLLW), TIDAL EPOCH 1983-2001 AS REPORTED BY THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA). A MODIFIED VDATUM MODEL WAS USED TO CALIBRATE TIDAL REDUCTIONS TO MEAN LOWER LOW WATER (MLLW).
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" AND GEOID 2012A.
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 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 LOCATIONS:

   REFERENCE BASE LOCATED AT NOS "872-6562 B" (NGS PID: AG7604)
   TIDE STAFF LOCATED FROM TIDAL BENCHMARK "872-6562 A" (NGS PID: AG7605)

   REFERENCE BASE LOCATED AT "Q-261" (NGS PID: AG6024)
   TIDE STAFF LOCATED FROM TIDAL BENCHMARK "Q-261" (NGS PID: AG6024)
8. VERTICAL MEASUREMENTS WERE MADE USING A ROSS MODEL 835C SMARTSOUNDER WITH A DUAL-FREQUENCY (28/200 KHZ) SINGLE-BEAM TRANSDUCER AND A R2 SONIC 2024 OPERATING AT 240 KHZ. SOUNDINGS FROM CUT-A TO STA. 316+00 CUT-C ARE SHOWN IN HIGH FREQUENCY. LOW FREQUENCY SOUNDINGS ARE SHOWN FROM STA. 316+00 CUT-C THRU CUT-D.

VESSEL	DATE OF SURVEY	CUT
SB-44	10 NOV 2016	CUT-A (HB) STA. 0 - 61
SB-44	02 DEC 2016	CUT-C (HB) STA. 0 - 60
SB-44	14 DEC 2016	CUT-C (HB) STA. 60 - 120
SB-44	17 DEC 2016	CUT-C (HB) STA. 120 - 210
SB-44	28 DEC 2016	CUT-D (HB) STA. 10 - 72+88
SB-44	29 DEC 2016	CUT-C (HB) STA. 210 - 265
SB-44	05 JAN 2017	CUT-C (HB) STA. 265 - 341+77, CUT- D (HB) STA. 2+62 - 10
SB-44	05 JAN 2017	CUT-C & D (HB)

9. AIDS TO NAVIGATION WERE LOCATED DURING SURVEY 16-199.
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.
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 13.
12. THIS SET OF MAPS IS AN UNOFFICIAL MAP SET. OFFICIAL MAPS ARE NOW DISTRIBUTED THROUGH eHydro AND CAN BE ACCESSED BY GOING TO THE FOLLOWING LINK: HTTP://NAVIGATION.USACE.ARMY.MIL/SURVEY/HYDRO

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: GMR
Proj. No.:
Date: JAN 2017

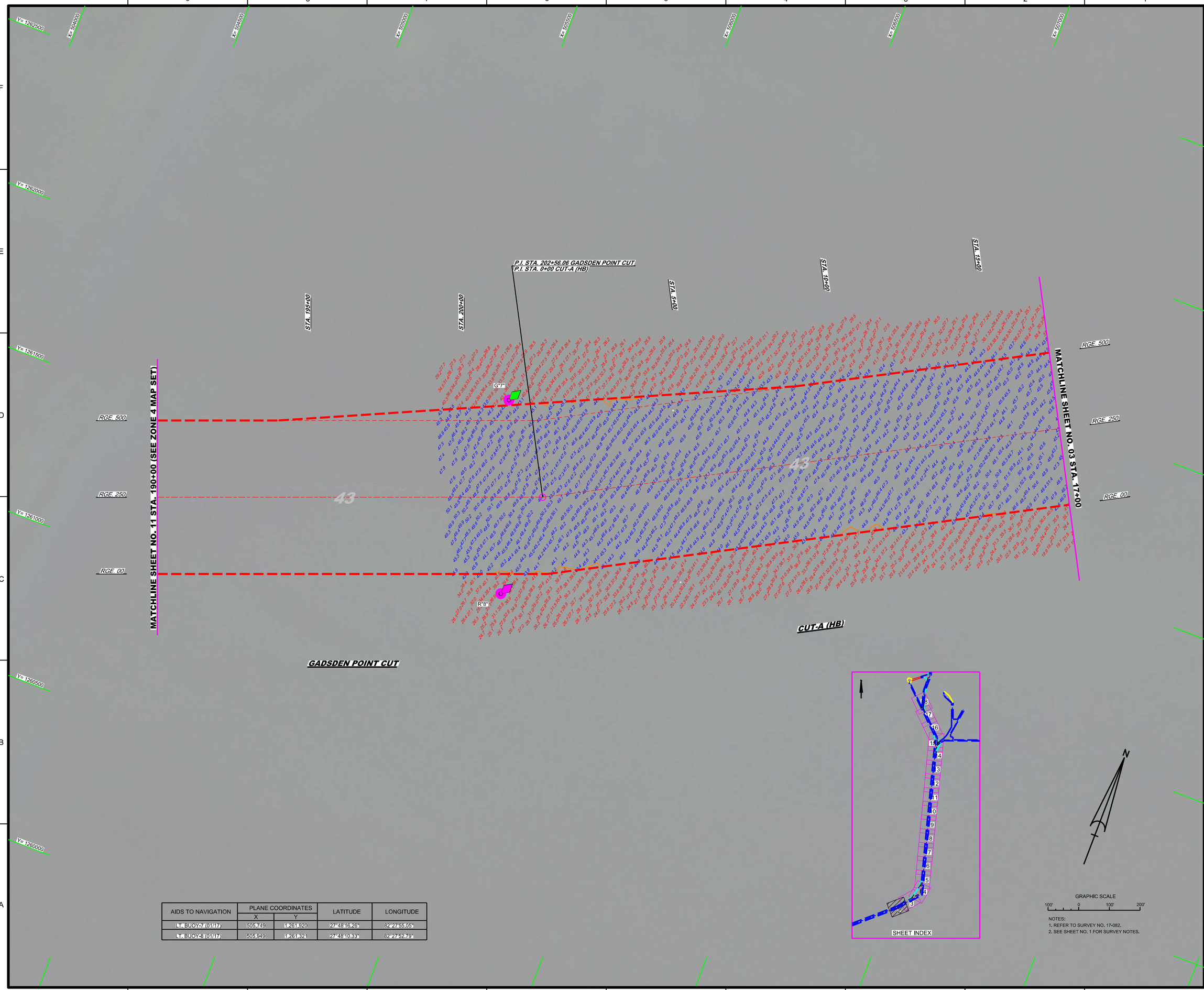
X:\XXXXXXX-X-XXXXX.DGN
XXXXXXXX-X-XXXXX.DGN
XXXXXXXX-X-XXXXX.DGN
XXXXXXXX-X-XXXXX.DGN
XXXXXXXX-X-XXXXX.DGN
17-082-UHRD_ZONE6.DGN
TAMPA HARBOR-C-SPMCOF.DGN
Reference files:
17-082-C-BS-BRDR.DGN
File name:
17-082-UHR01_06.DGN

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA
HYDROGRAPHIC EXAM SURVEY FY17
34, 41 AND 43-FOOT PROJECT
INDEX, LOCATION AND VICINITY
MAP

Scale: AS SHOWN

Drawing no.
1

SHEET 01 OF 18



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-7 (01/17)	505,749	1,261,920	27°48'16.26"	82°27'55.05"
LT. BUOY-8 (01/17)	505,949	1,261,321	27°48'10.33"	82°27'52.79"

NOTES:
1. REFER TO SURVEY NO. 17-082.
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
Plot No.
Date: JAN 2017

Reference files:
XXXXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXXXX.DGN
17-082A-MAN.DGN
17-082A-SOUN_CTA.DGN
17-082A-SOUN_CTA_MB-HF.DGN
TAMPA HARBOR-C-NGMCCF.DGN
17-082-C-BS-BRDR.DGN
17-082-HH02_26.DGN
File name:

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY17
34, 41 AND 43-FOOT PROJECT

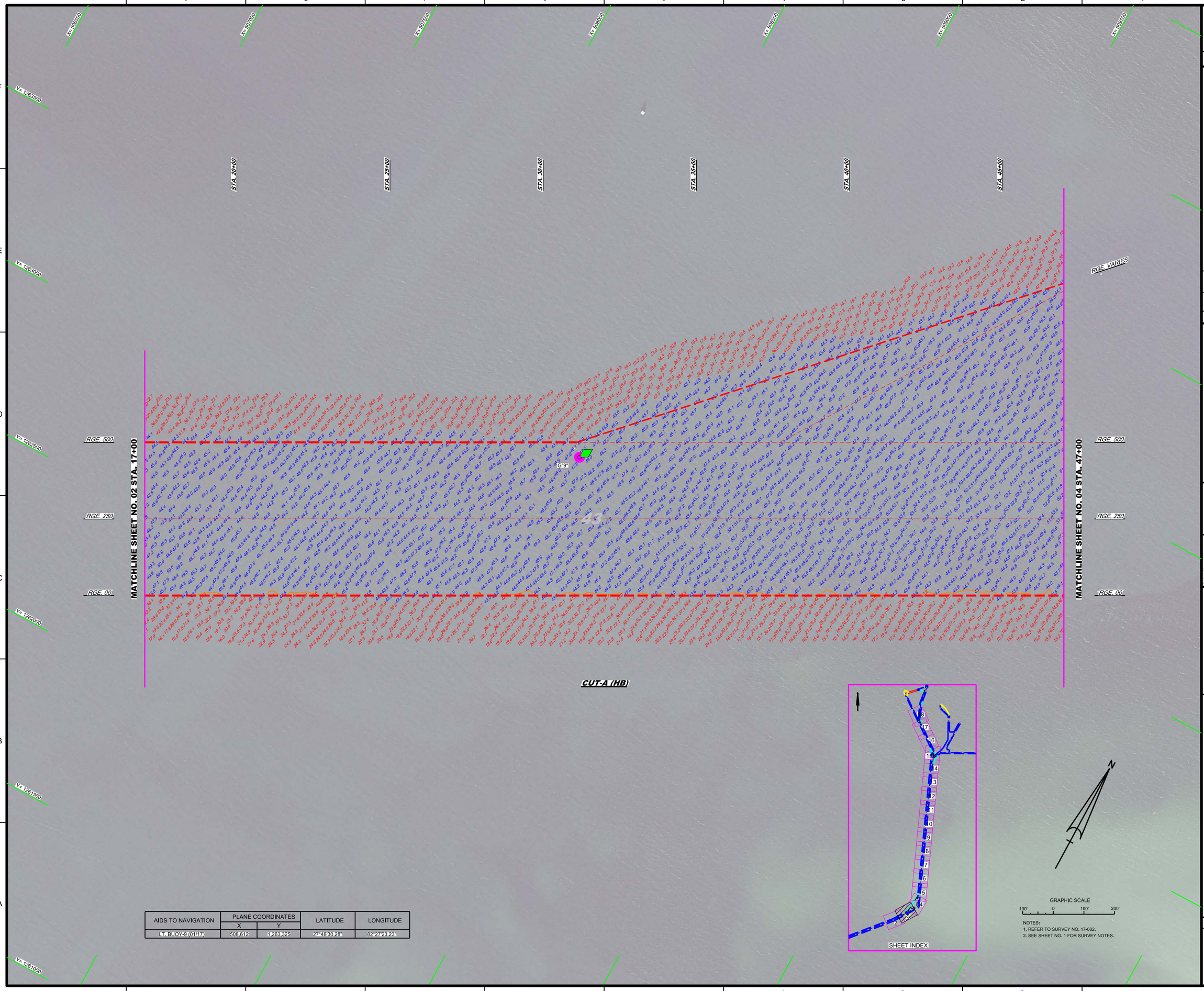
STA. 190+00 GADSDEN POINT CUT THRU STA. 17+00 CUT-A (HB)

PLAN

Scale: AS SHOWN

Drawing no.
2

SHEET 02 OF 18



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-9 (01/17)	508,612	1,263,325	27°48'30.28"	82°27'23.23"

NOTES:
1. REFER TO SURVEY NO. 17-082.
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: JAN 2017

17-082-XXXX-XXXXXX.DGN
XXXXXXXX-XXXXXX.DGN
XXXXXXXX-XXXXXX.DGN
17-082-4-NAV.DGN
17-082-3-SOUN.DGN
17-082-N-SOUN_CTA_MB-HF.DGN
TAMPA HARBOR-C-AGMCF.DGN
17-082-C-SS-SNDR.DGN
Reference files:
17-082-VHB3_ZB.DGN
File name:

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY17
34, 41 AND 43-FOOT PROJECT

STA. 17+00 THRU STA. 47+00 CUT-A (HB)

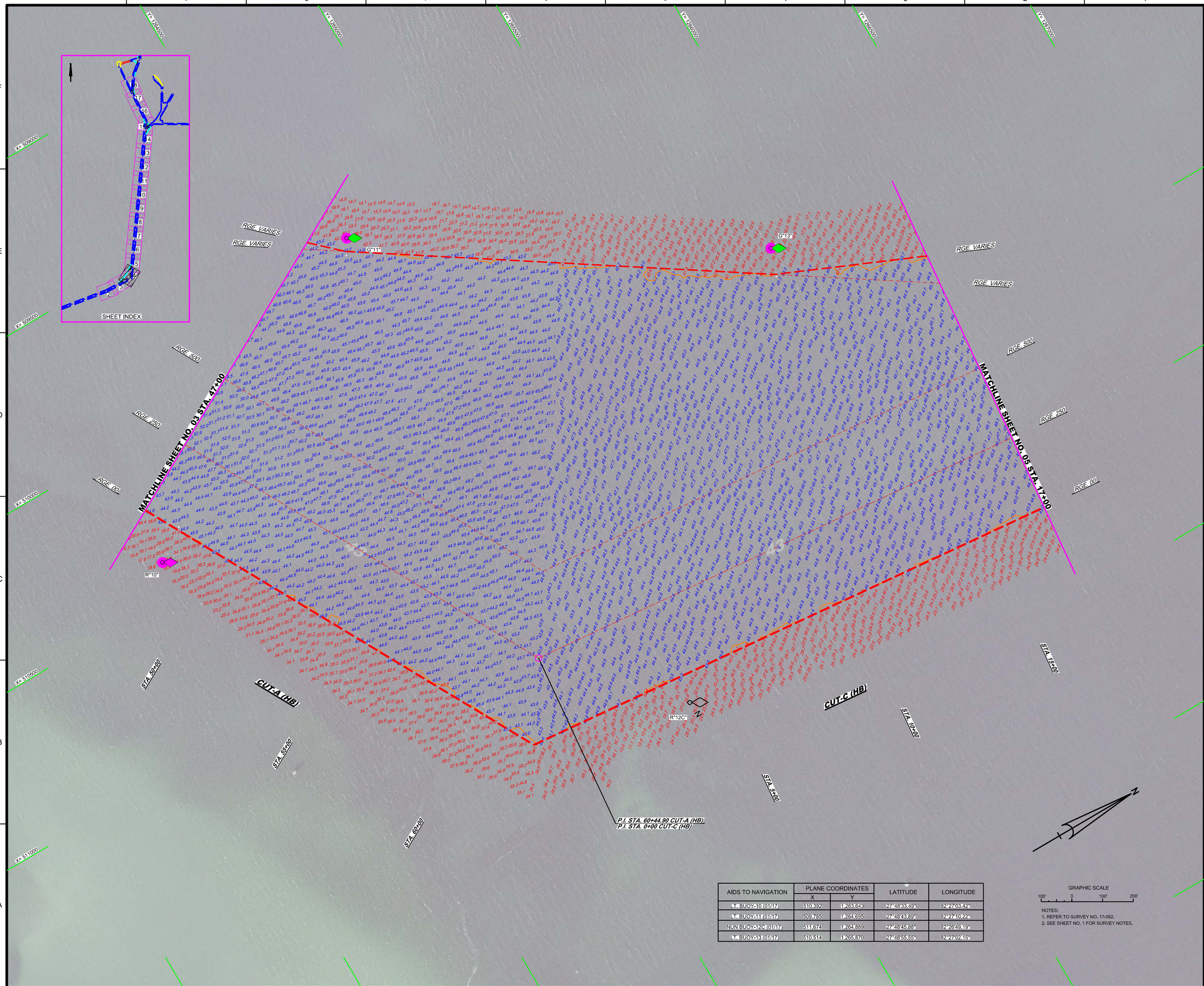
PLAN

Scale: AS SHOWN

Drawing no.

3

SHEET 03 OF 18



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-10 (01/17)	510,392	1,263,643	27°48'33.49"	82°27'03.42"
LT. BUOY-11 (01/17)	509,785	1,264,695	27°48'43.89"	82°27'10.22"
NUN BUOY-12C (01/17)	511,674	1,264,889	27°48'45.88"	82°26'49.19"
LT. BUOY-13 (01/17)	510,514	1,265,870	27°48'55.55"	82°27'02.15"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 17-082.
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: GMR
Proj. No.
Date: JAN 2017

X:\XXXXXXXX-XXXXXX.DGN
XXXXXXXX-XXXXXX.DGN
17-082-XHAV.DGN
17-082A-CON43.DGN
17-082A-SOUN_CTA_MB-HF.DGN
17-082A-SOUN_CTA_MB-HF.DGN
TAMPA HARBOR-C-NGMCCF.DGN
17-082-C-BS-BRDR.DGN
Reference files
17-082-XHSH_26.DGN
File name:

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY17
34, 41 AND 43-FOOT PROJECT

STA. 47+00 CUT-A (HB) THRU STA. 17+00 CUT-C (HB)

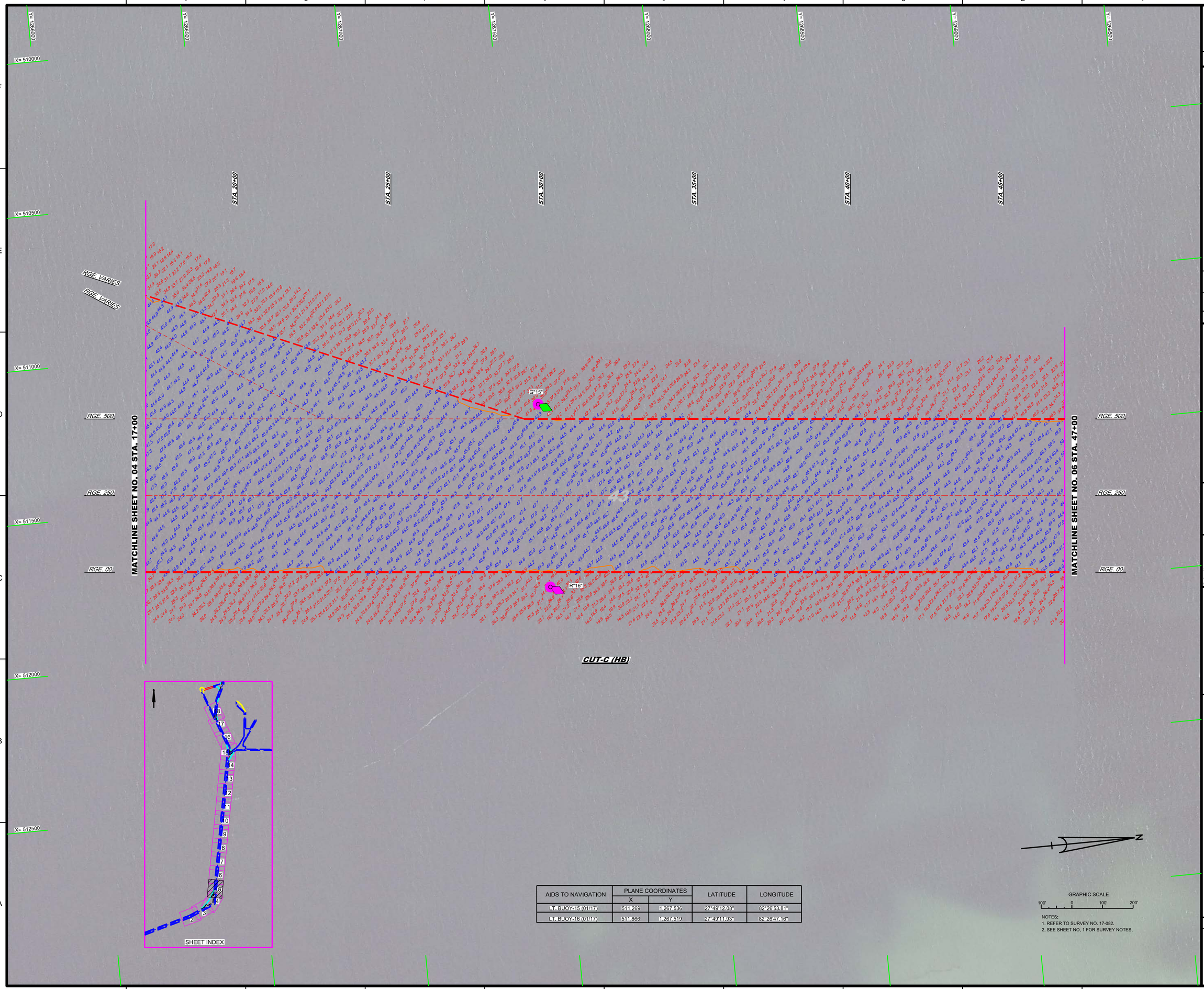
PLAN

Scale: AS SHOWN

Drawing no.

4

SHEET XX OF XX



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-15 (01/17)	511,269	1,267,536	27°49'12.08"	82°26'53.81"
LT. BUOY-16 (01/17)	511,866	1,267,519	27°49'11.93"	82°26'47.16"

NOTES:
1. REFER TO SURVEY NO. 17-082.
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

Chkd by: GMR
Designed by: WRM
DWN by: WRM
Rev. No.
Date: JAN 2017

X:\XXXXXXXX-XXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
17-082A-MAN.DGN
17-082A-SOUN_CTC_MB-HF.DGN
17-082A-SOUN_CTC_MB-HF.DGN
TAMPA HARBOR-C-NGMCCF.DGN
17-082C-B-BRDR.DGN
Reference files
17-082-XHs55_26.DGN
File name:

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY17
34, 41 AND 43-FOOT PROJECT

STA. 17+00 THRU STA. 47+00 CUT-C (HB)

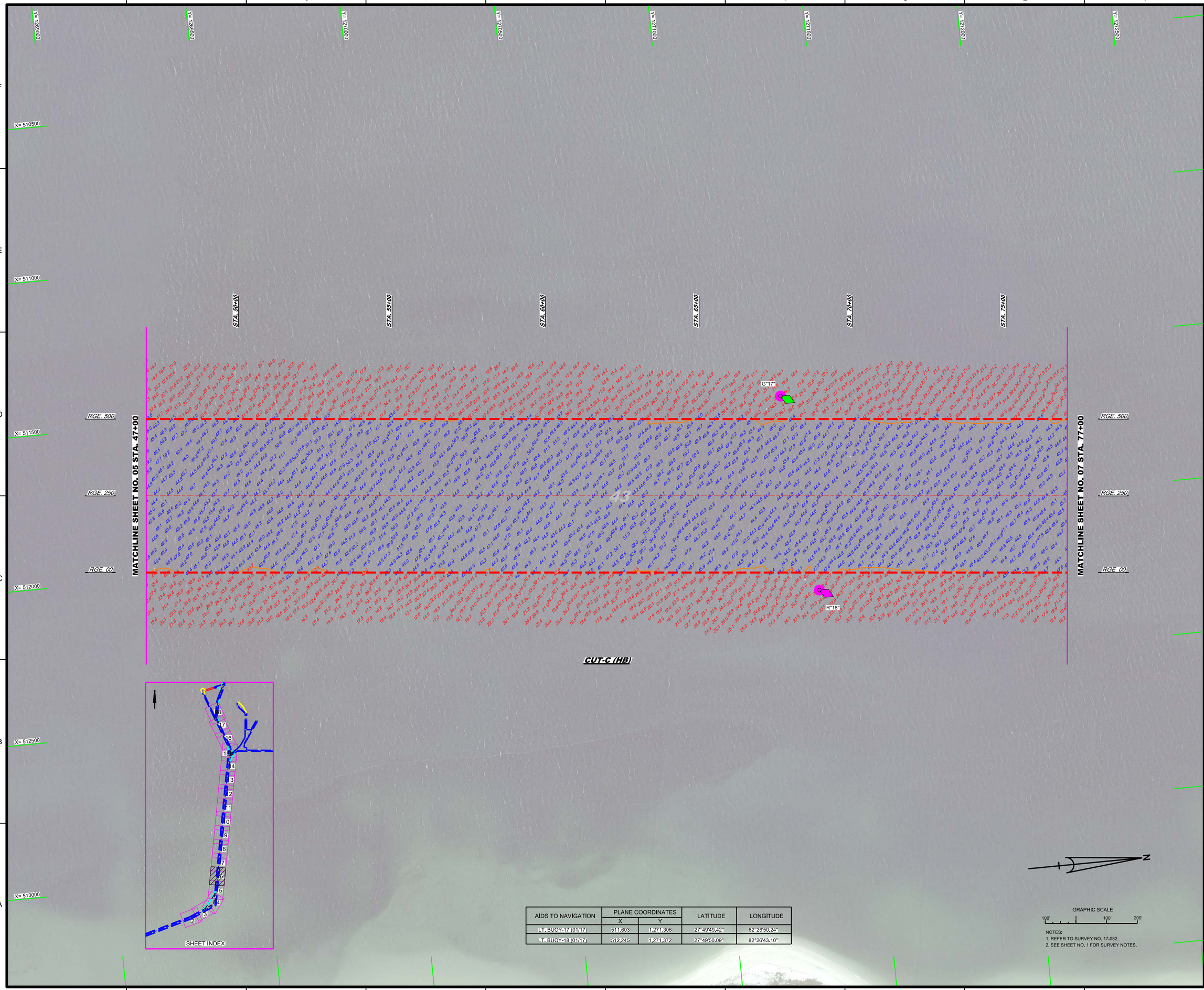
PLAN

Scale: AS SHOWN

Drawing no.

5

SHEET 05 OF 18



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-17 (01/17)	511,603	1,271,306	27°49'49.42"	82°26'50.24"
LT. BUOY-18 (01/17)	512,245	1,271,372	27°49'50.09"	82°26'43.10"

NOTES:
1. REFER TO SURVEY NO. 17-082.
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: JAN 2017

T:\XXXXXXXX-XXXXXXX.DGN
XXXXXXXXX-XXXXXXX.DGN
XXXXXXXXX-XXXXXXX.DGN
T:\17-082-A-NAV.DGN
T:\17-082-A-SOUN.DGN
T:\17-082-A-SOUN_CTC_MB-HF.DGN
TAMPA HARBOR-C-NGMCF.DGN
17-082-C-BS-BKDR.DGN
Reference files:
T:\17-082\VHB_ZB.DGN
File name:

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY17
34, 41 AND 43-FOOT PROJECT

STA. 47+00 THRU STA. 77+00 CUT-C (HB)

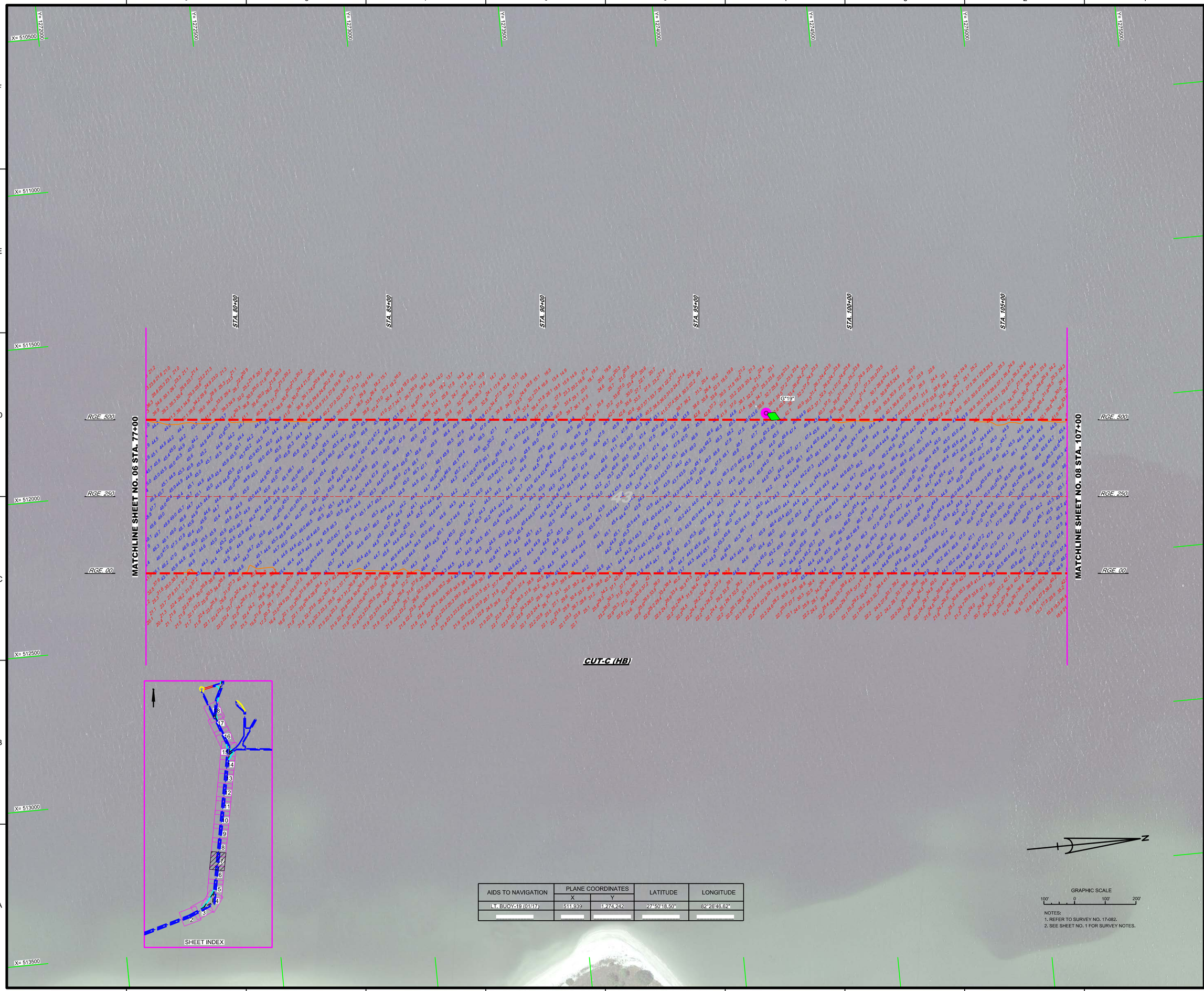
PLAN

Scale: AS SHOWN

Drawing no.

6

SHEET 06 OF 18



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-19 (01/17)	511,939	1,274,242	27°50'18.50"	82°26'46.62"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 17-082.
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
Chk'd by: CMR
Date: JAN 2017
Rev. No.

T:\XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
T:\17-082-4-NAV.DGN
T:\17-082-4-SOUN.DGN
T:\17-082-4-SOUN_CTC_MB-HF.DGN
TAMPA HARBOR-C-NGMCF.DGN
T:\17-082-4-BS-BKDR.DGN
Reference files:
T:\17-082\VH\17_ZB.DGN
File name:

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY17
34, 41 AND 43-FOOT PROJECT

STA. 77+00 THRU STA. 107+00 CUT-C (HB)

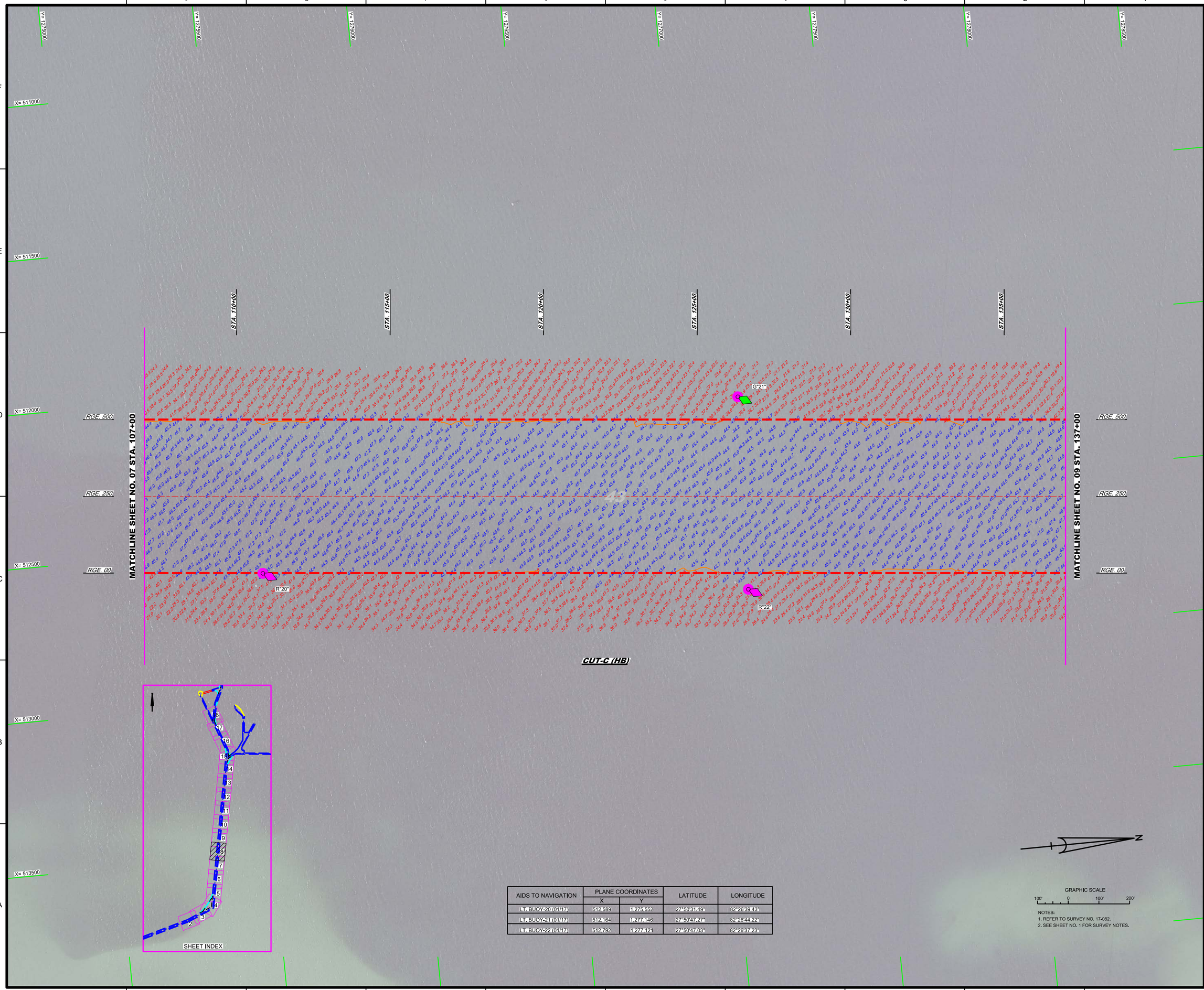
PLAN

Scale: AS SHOWN

Drawing no.

7

SHEET 07 OF 18



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-20 (01/17)	512,589	1,275,552	27°50'31.49"	82°26'39.43"
LT. BUOY-21 (01/17)	512,164	1,277,146	27°50'47.27"	82°26'44.22"
LT. BUOY-22 (01/17)	512,792	1,277,121	27°50'47.03"	82°26'37.23"

NOTES:
1. REFER TO SURVEY NO. 17-082.
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: JAN 2017

X:\XXXXXXXX-XXXXXX.DGN
XXXXXXXXX-XXXXXXX.DGN
XXXXXXXXX-XXXXXXX.DGN
XXXXXXXXX-XXXXXXX.DGN
17-082A-MAN.DGN
17-082A-SOUN_CTC.DGN
17-082A-SOUN_CTC_MB-HF.DGN
TAMPA HARBOR-C-NGMCCF.DGN
17-082A-C-BR-BRDR.DGN
Reference files:
17-082-AHHB_26.DGN
File name:

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA

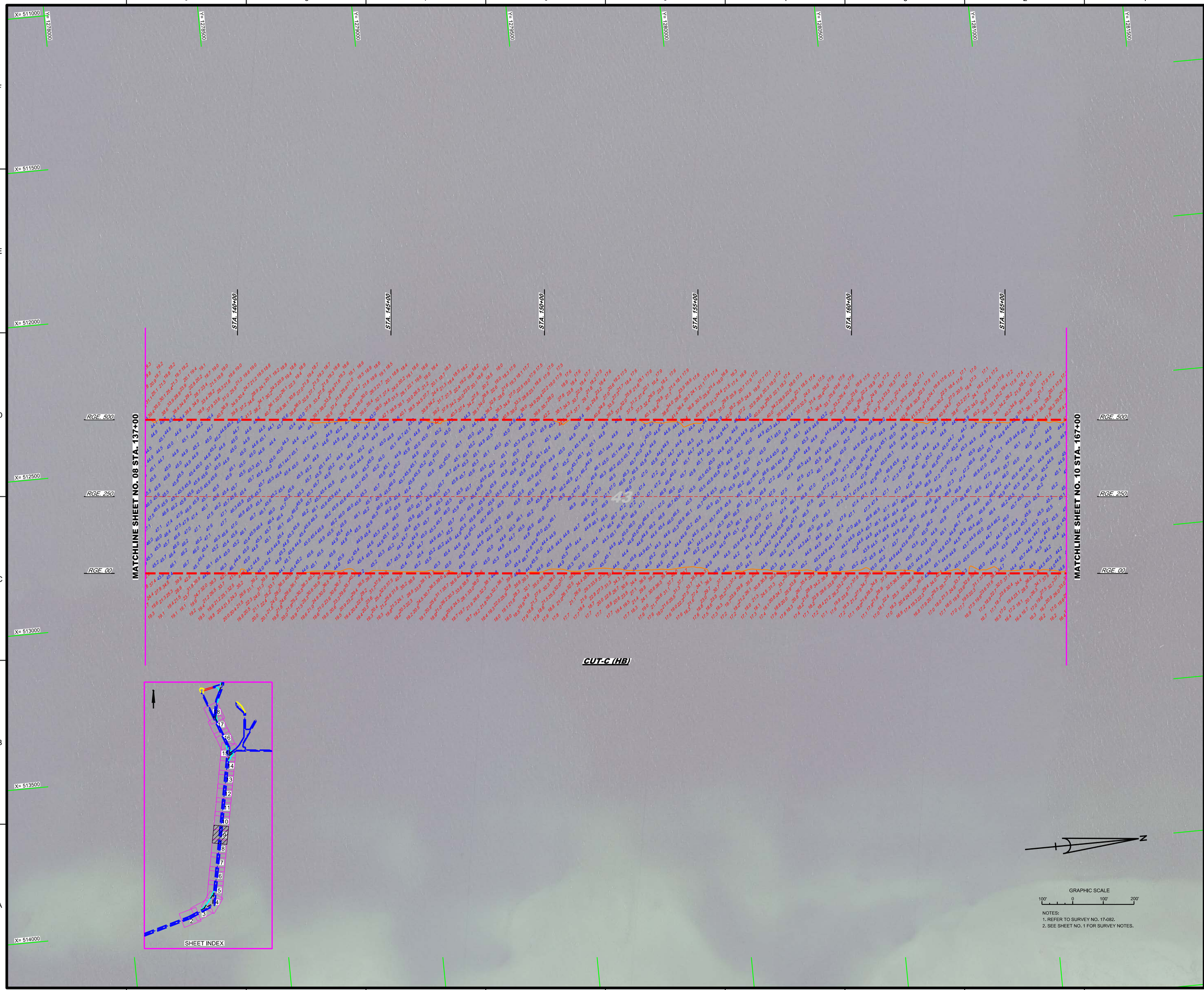
HYDROGRAPHIC EXAM SURVEY FY17
34, 41 AND 43-FOOT PROJECT
STA. 107+00 THRU STA. 137+00 CUT-C (HB)

PLAN

Scale: AS SHOWN

Drawing no.
8

SHEET 08 OF 18



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: JAN 2017

T:\082\VHb\9_CUT-C (HB).DGN
XXXXXXXXXX-XXXXXXXX.DGN
XXXXXXXXXX-XXXXXXXX.DGN
XXXXXXXXXX-XXXXXXXX.DGN
XXXXXXXXXX-XXXXXXXX.DGN
XXXXXXXXXX-XXXXXXXX.DGN
T:\082\A-SOUN_CTC_MB-HF.DGN
TAMPA HARBOR-C-AGMCF.DGN
T:\082\C-SES-BNDR.DGN
Reference files:

T:\082\VHb\9_CUT-C (HB).DGN
File name:

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY17
34, 41 AND 43-FOOT PROJECT

STA. 137+00 THRU STA. 167+00 CUT-C (HB)

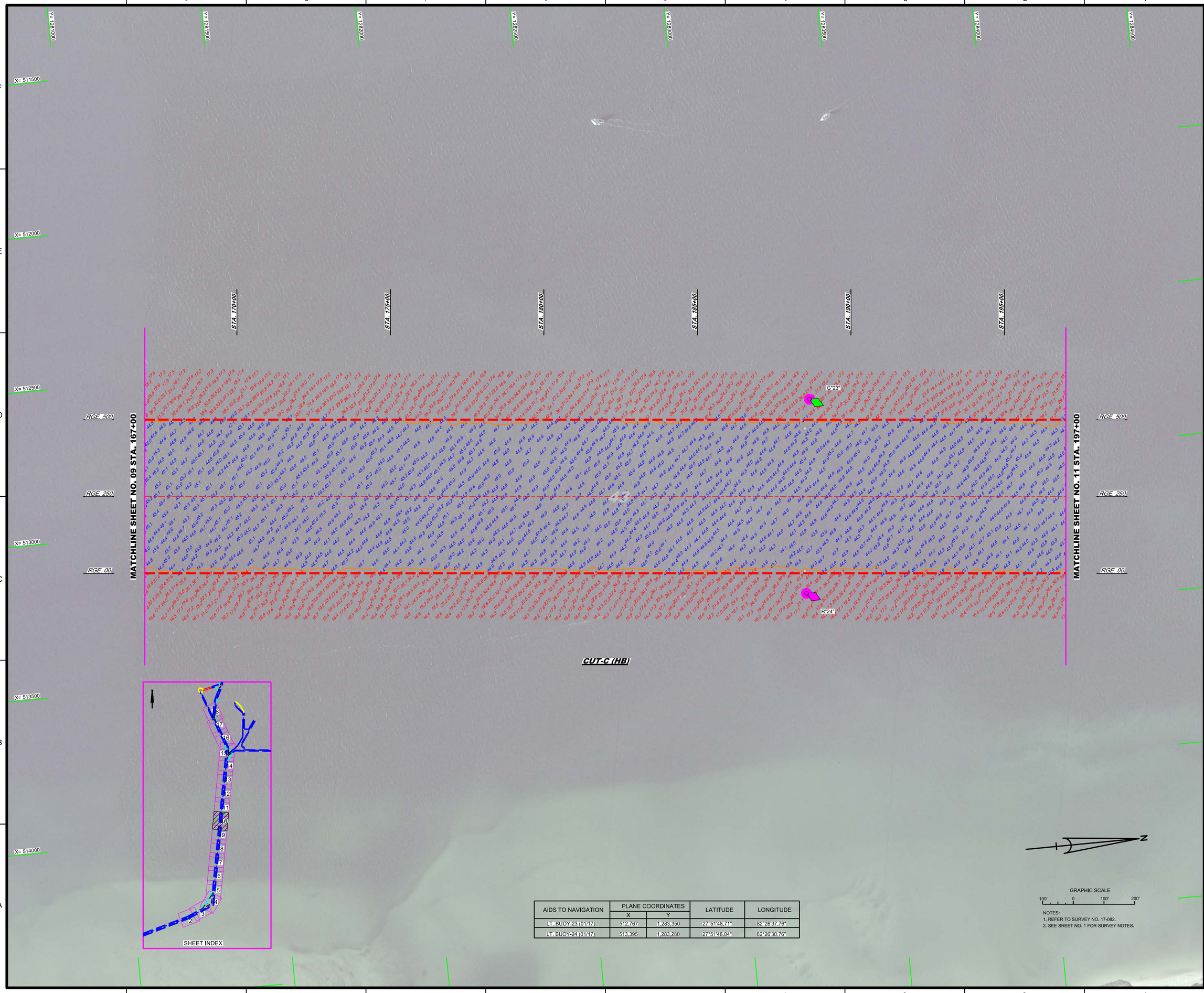
PLAN

Scale: AS SHOWN

Drawing no.

9

SHEET 09 OF 18



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-23 (01/17)	512,767	1,283,350	27°51'48.71"	82°26'37.76"
LT. BUOY-24 (01/17)	513,395	1,283,280	27°51'48.04"	82°26'30.76"

NOTES:
1. REFER TO SURVEY NO. 17-082.
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
Chk'd by: CMR
Rev. No.
Date: JAN 2017

T:\XXXXXXX-X-XXXXXX.DGN
XXXXXXXXX-XXXXXXX.DGN
XXXXXXXXX-XXXXXXX.DGN
T:\17-082-A-NAV.DGN
T:\17-082-A-SOUN.DGN
T:\17-082-A-SOUN_CTC_MB-HF.DGN
TAMPA HARBOR-C-NGMCCF.DGN
T:\17-082-C-BS-BNDR.DGN
Reference files:
T:\17-082-VH-10_ZB.DGN
File name:

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY17
34, 41 AND 43-FOOT PROJECT

STA. 167+00 THRU STA. 197+00 CUT-C (HB)

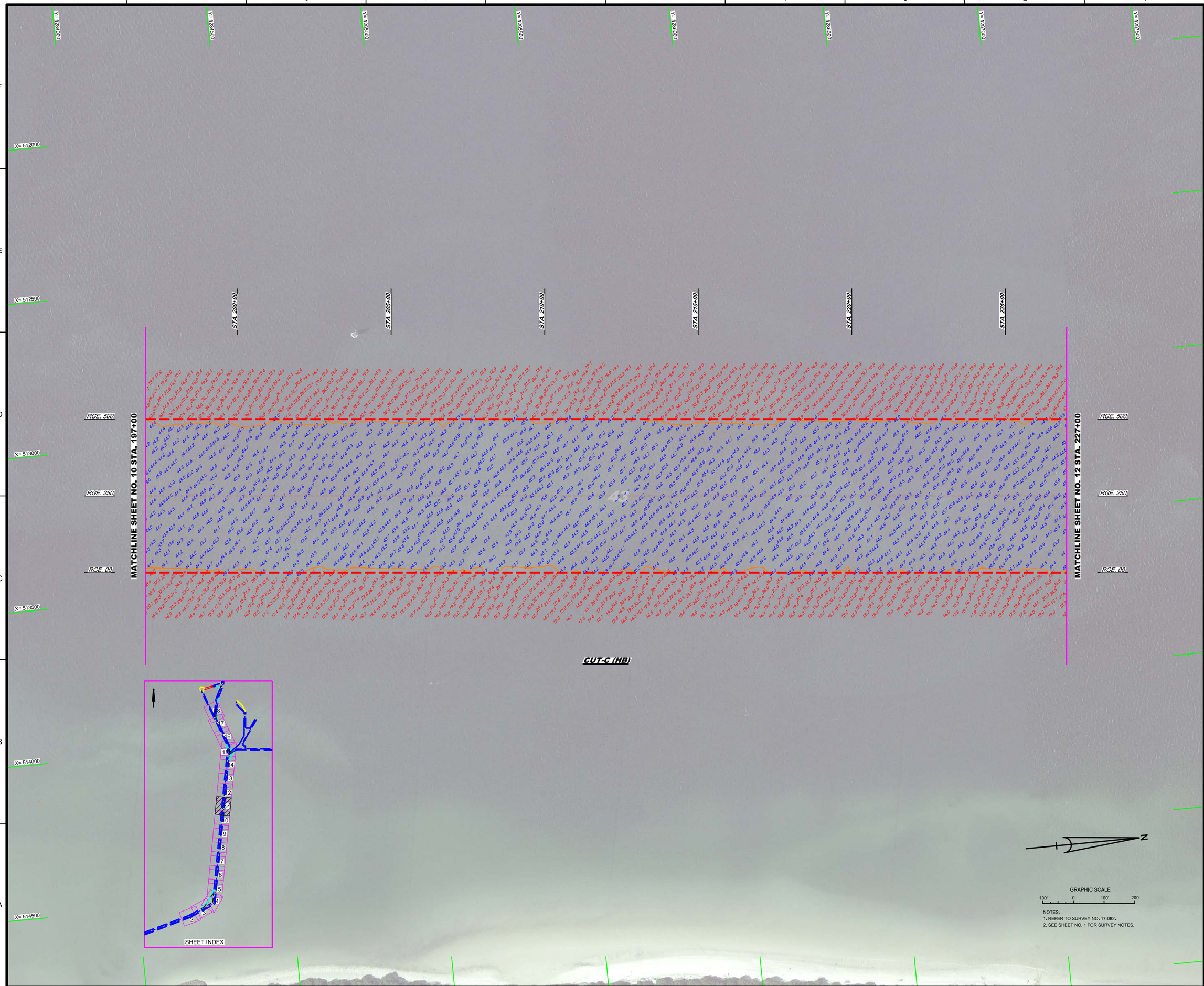
PLAN

Scale: AS SHOWN

Drawing no.

10

SHEET 10 OF 18



NOTES:
1. REFER TO SURVEY NO. 17-082.
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: JAN 2017

T:\XXXXXXXX-XXXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
T:\17-082-VIRM-01-01.DGN
T:\082-VI-SOUN_CTC_MB-HF.DGN
TAMPA HARBOR-C-AGMCF.DGN
17-082-C-FS-SHDR.DGN
Reference files:
17-082-VH-1_ZB.DGN
File name:

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY17
34, 41 AND 43-FOOT PROJECT

STA. 197+00 THRU STA. 227+00 CUT-C (HB)

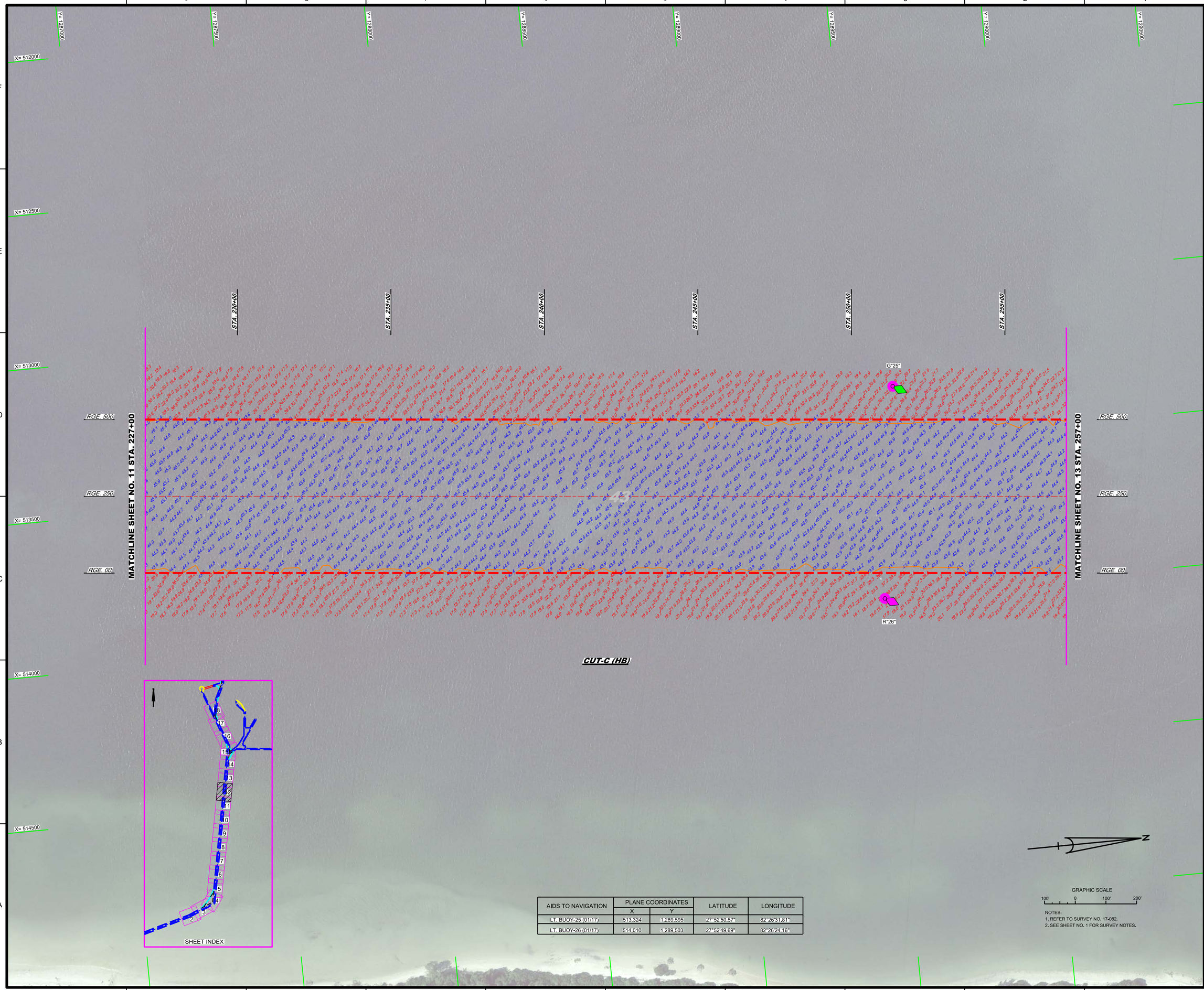
PLAN

Scale: AS SHOWN

Drawing no.

11

SHEET 11 OF 18



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-25 (01/17)	513,324	1,289,595	27°52'50.57"	82°26'31.81"
LT. BUOY-26 (01/17)	514,010	1,289,503	27°52'49.69"	82°26'24.16"

NOTES:
1. REFER TO SURVEY NO. 17-082.
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: JAN 2017

T:\XXXXXXXX-XXXXXXX.DGN
XXXXXXXXX-XXXXXXX.DGN
XXXXXXXXX-XXXXXXX.DGN
T:\082-4-NAV.DGN
T:\082-2-SOUN.DGN
T:\082-N-SOUN_CTC_MB-HF.DGN
TAMPA HARBOR-C-NGMCF.DGN
T:\082-2-BS-BNDR.DGN
Reference files:
T:\082VH-12_ZB.DGN
File name:

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY17
34, 41 AND 43-FOOT PROJECT

STA. 227+00 THRU STA. 257+00 CUT-C (HB)

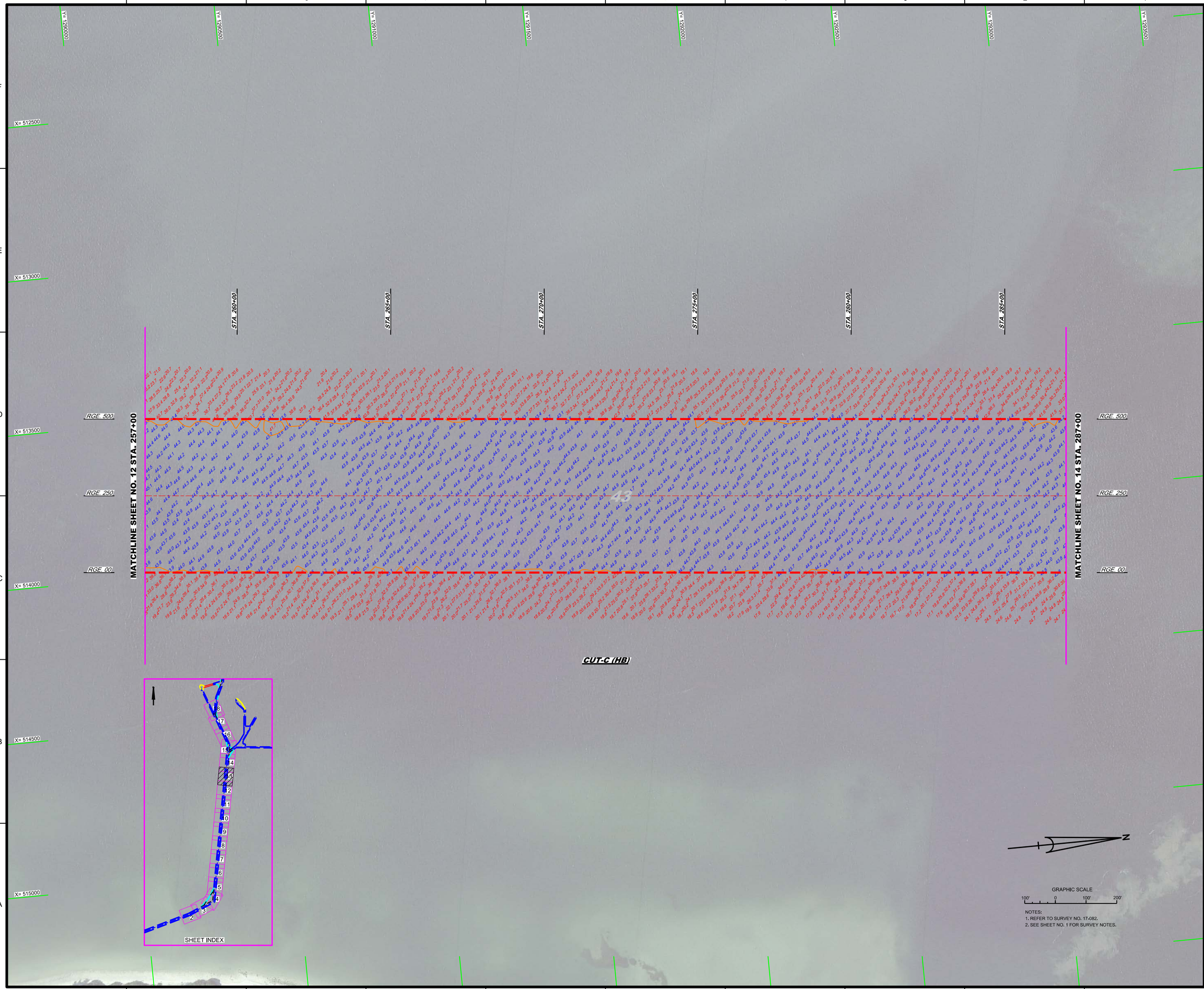
PLAN

Scale: AS SHOWN

Drawing no.

12

SHEET 12 OF 18



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: JAN 2017

T:\XXXXXXXX-XXXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
T:\17-082-SOUN_CTC_MB-HF.DGN
T:\17-082-N-SOUN_CTC_MB-HF.DGN
TAMPA HARBOR-C-NGMCCF.DGN
Reference files:
T:\17-082-PS-SHDR.DGN
File name: T:\17-082\VH-13_ZB.DGN

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY17
34, 41 AND 43-FOOT PROJECT

STA. 257+00 THRU STA. 287+00 CUT-C (HB)

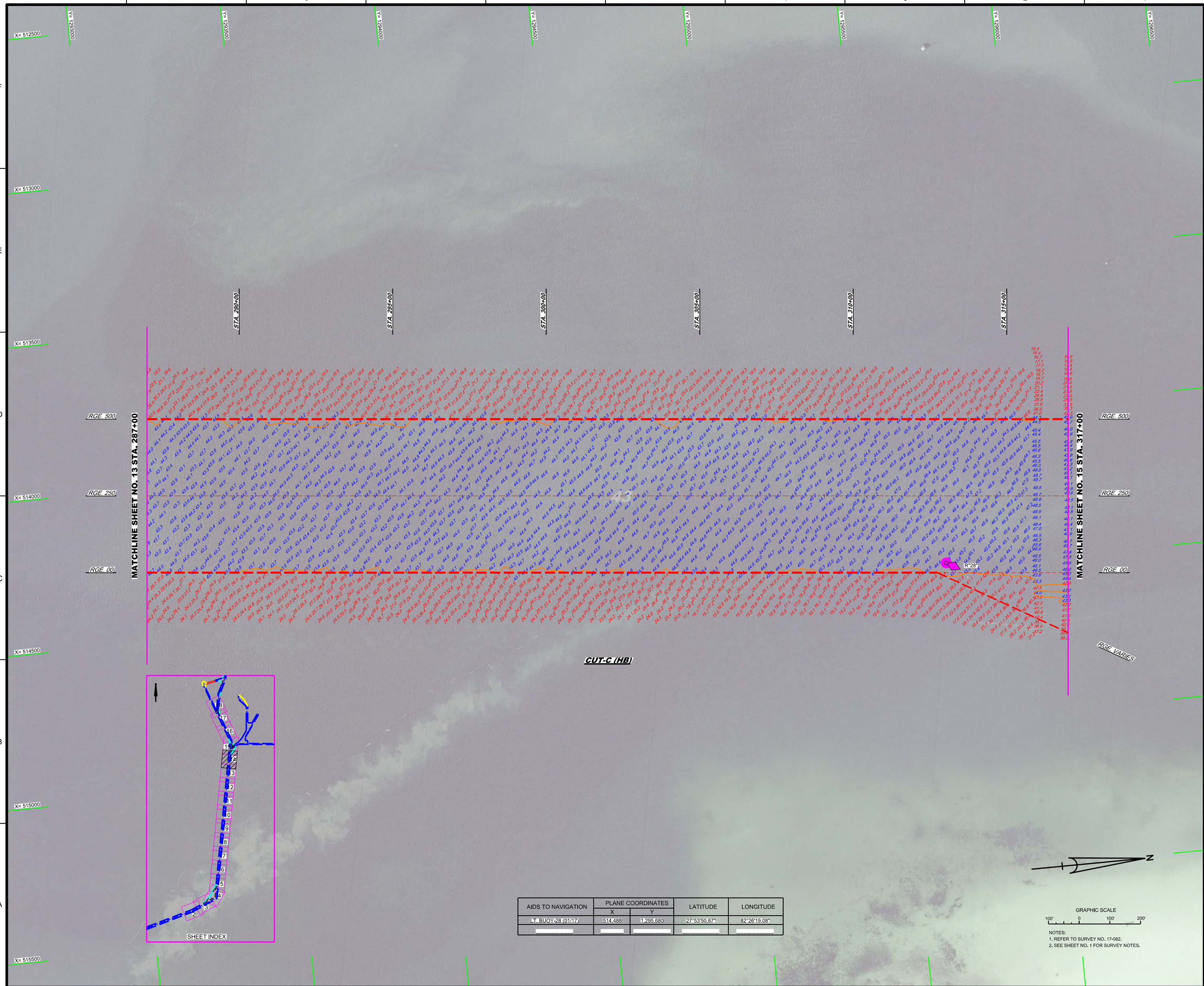
PLAN

Scale: AS SHOWN

Drawing no.

13

SHEET 13 OF 18



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-28 (01/17)	514,488	1,295,680	27°53'50.87"	82°26'19.08"

NOTES:
1. REFER TO SURVEY NO. 17-082.
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
Chd by: CMR
Date: JAN 2017
Rev. No.

17-082-XX-XX-XXXX.DGN
XXXXXXXXXXXXXXXXXXXX.DGN
17-082-V-CONN.DGN
17-082-V-NAV.DGN
17-082-V-SOUN_CTC_SBJ-E.DGN
17-082-V-SOUN_CTC_MB-HF.DGN
TAMPA HARBOR-C-NGMDCF.DGN
17-082-V-PS-SHDR.DGN
Reference files:
17-082-VH-14_ZB.DGN
File name:

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY17
34, 41 AND 43-FOOT PROJECT

STA. 287+00 THRU STA. 317+00 CUT-C (HB)

PLAN

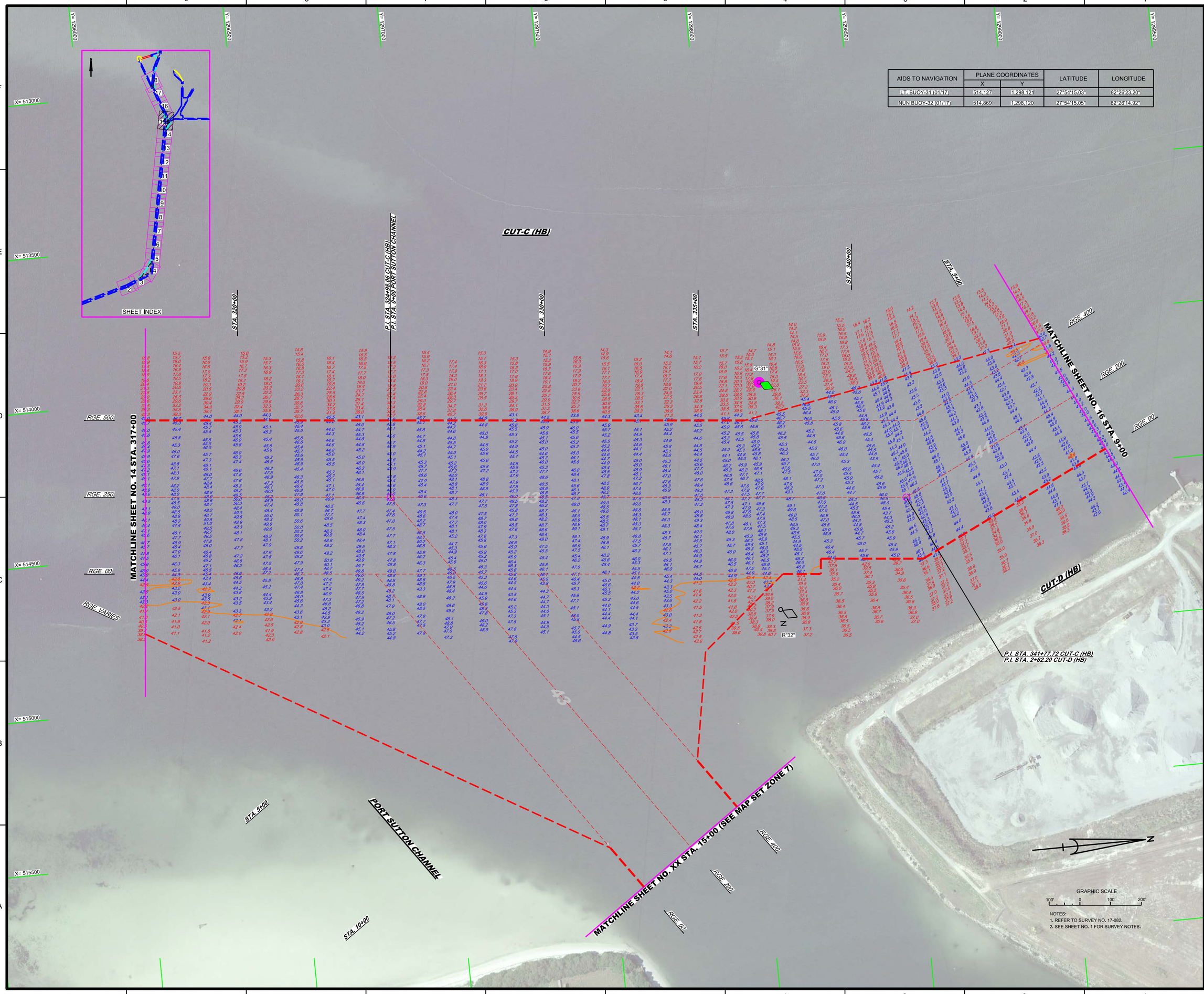
Scale: AS SHOWN

Drawing no.

14

SHEET 14 OF 18

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-31 (01/17)	514,127	1,298,121	27°54'15.03"	82°26'23.20"
NUN BUOY-32 (01/17)	514,869	1,298,120	27°54'15.05"	82°26'14.92"



NOTES:
1. REFER TO SURVEY NO. 17-082.
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: JAN 2017

X:\X-DGN\C-CADD\CADD\
T-17-082-A-CONA.DGN
T-17-082-A-CONA1.DGN
T-17-082-V-CONA.DGN
T-17-082-A-NAV.DGN
T-17-082-A-SOUN_SB-LE.DGN
T-17-082-A-SOUN_CTC_SB-LE.DGN
TAMPA HARBOR-C-AGMCCF.DGN
Reference files:
T-17-082-H-15_ZB.DGN
File name:

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY17
34, 41 AND 43-FOOT PROJECT

STA. 317+00 (MATCHLINE STA. 317+00) THRU STA. 324+98.06 (P.I. CUT-C)
STA. 0+00 THRU STA. 15+00 PORT SUTTON CHANNEL

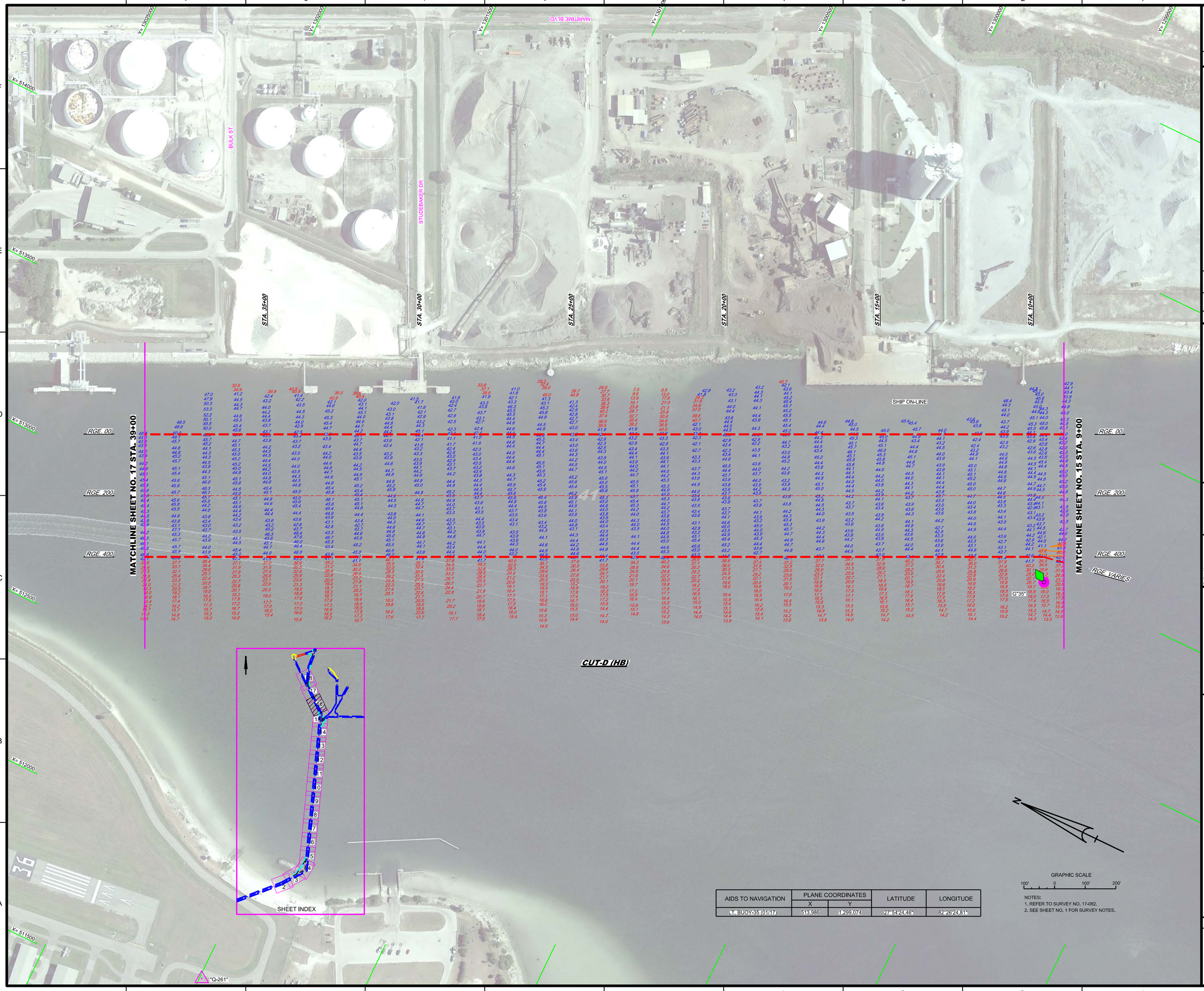
PLAN

Scale: AS SHOWN

Drawing no.

15

SHEET 15 OF 18



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-35 (01/17)	513,986	1,299,074	27°54'24.46"	82°26'24.81"

NOTES:
1. REFER TO SURVEY NO. 17-082.
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: GMB
Date: JAN 2017

17-082A-MAIV.DGN
17-082A-SOUNDINGS.DGN
17-082A-SOUN_CTD_SBLF-ZLDGN
TAMPA HARBOR-CANGMCCF.DGN
17-082C-B-BRGR.DGN
Reference files
17-082-VHr16_ZILDGN
File name:

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY17
34, 41 AND 43-FOOT PROJECT

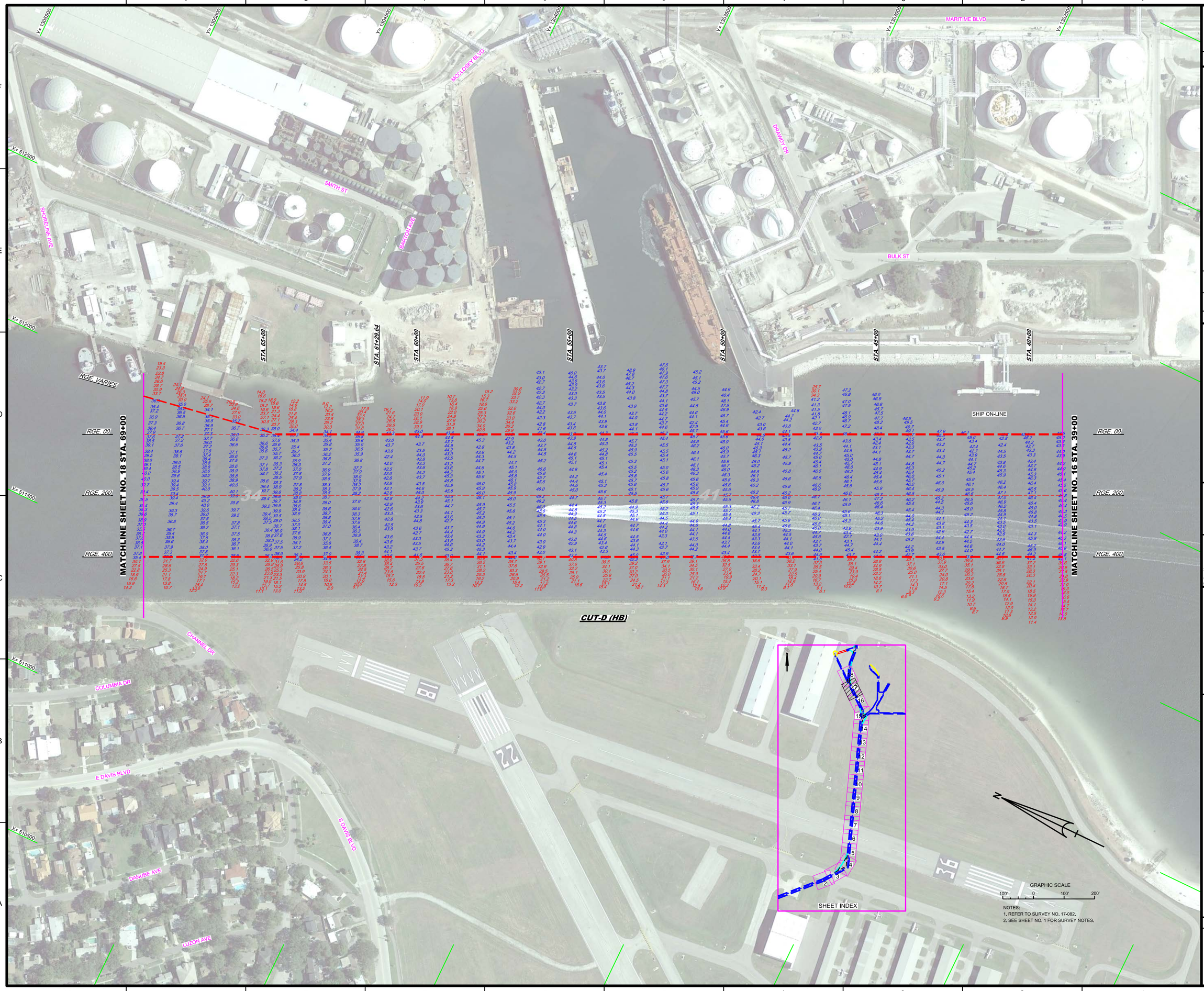
STA. 9+00 THRU STA. 39+00 CUT-D (HB)

PLAN

Scale: AS SHOWN

Drawing no.
16

SHEET 16 OF 18



NOTES:
1. REFER TO SURVEY NO. 17-082.
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
Chk by: GMR
Rev. No.
Date: JAN 2017

17-082v1-XSUN_CTD_SBALF-3JDGN
TAMPA HARBOR-C-XGMCCF.DGN
17-082-DES-SHDR.DGN
Reference files:

17-082vH-17_ZILDGN
File name:

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY17
34, 41 AND 43-FOOT PROJECT

STA. 39+00 THRU STA. 69+00 CUT-D (HB)

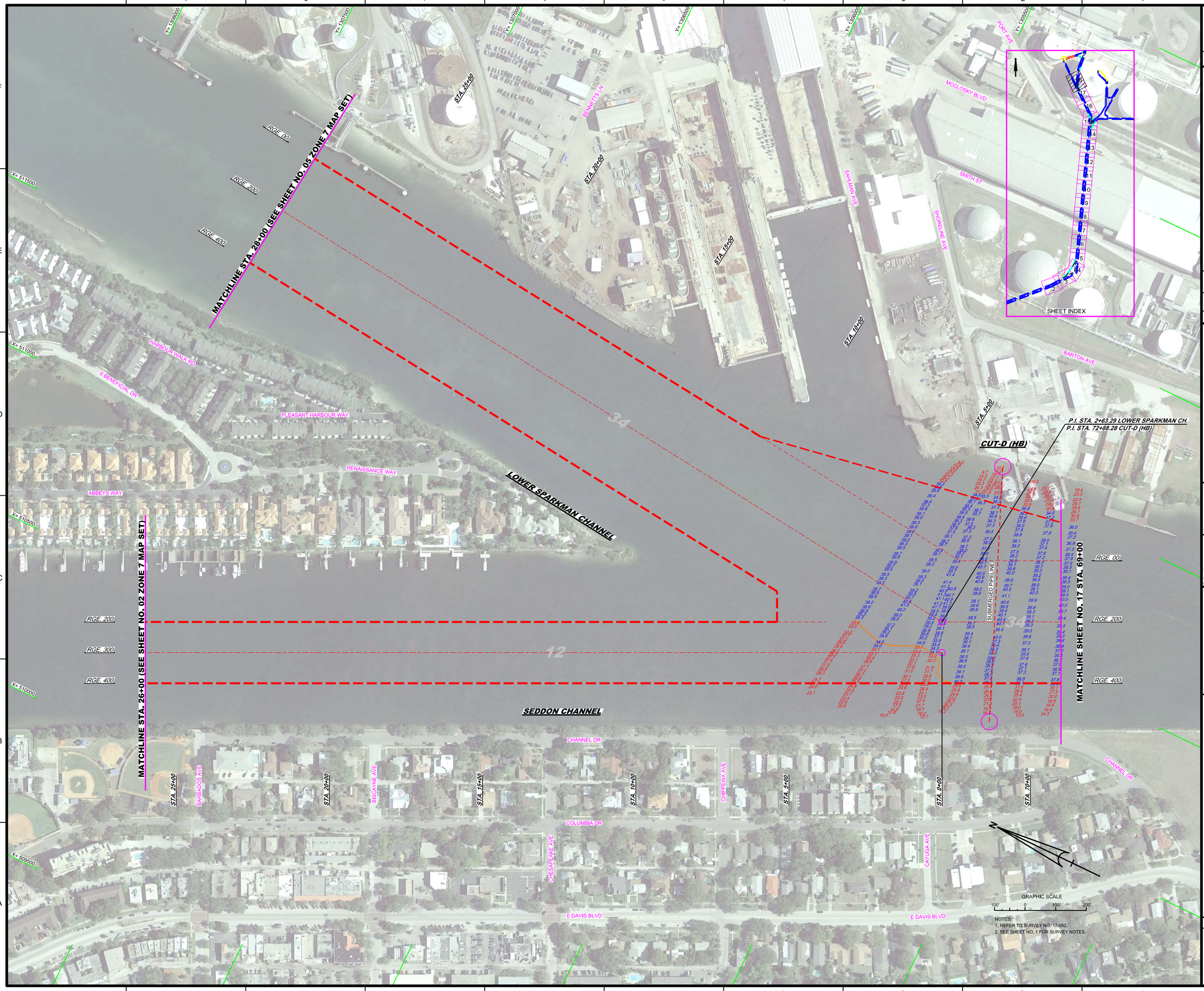
PLAN

Scale: AS SHOWN

Drawing no.

17

SHEET 17 OF 18



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: GMR
Proj. No.:
Date: JAN 2017

17-082-VC-CONSLD.DGN
17-082-VA-NAV1.DGN
17-082-VA-SOUN_CTD_S8-LF-2LD.DGN
TAMPA HARBOR-CA-MCCP-DGN

17-082-C-B-S-BRDR.DGN
Reference files:

17-082-VH-18_Z6.DGN
File name:

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY17
34, 41 AND 43-FOOT PROJECT

STA. 69+00 CUT-D (HB) THRU STA. 26+00 SEDDON CHANNEL
AND STA. 2+63.29 THRU STA. 28+00 LOWER SPARKMAN CHANNEL

PLAN

Scale: AS SHOWN

Drawing no.

18

SHEET 18 OF 18