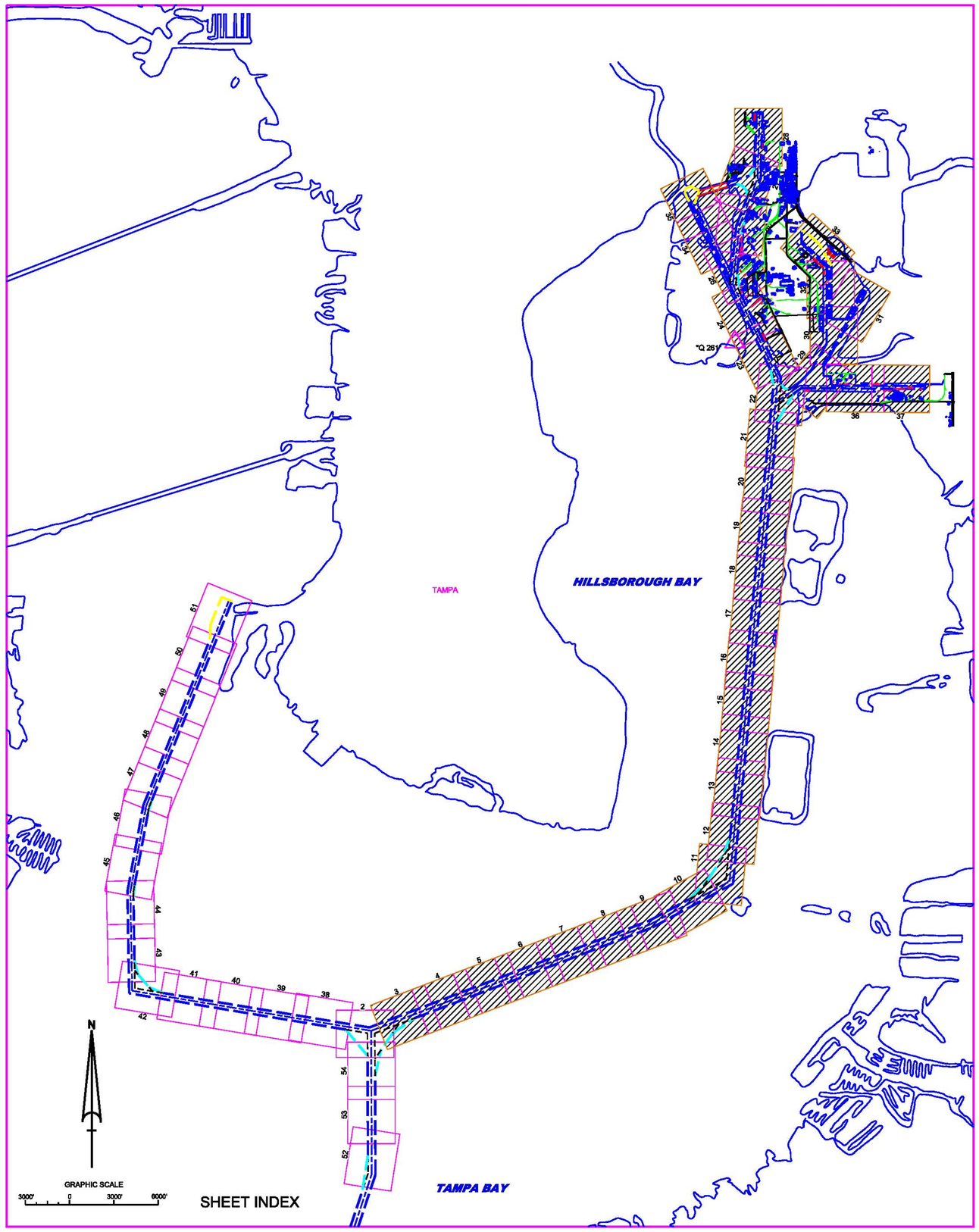


TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA
EXAMINATION SURVEY FY12
12, 34, 41 & 43-FOOT PROJECT

LEGEND	
BM	BENCHMARK
	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. 12-048.
2. DEPTHS DEPICTED BY THIS SURVEY ARE REFERENCED TO 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 BENCHMARKS ASSOCIATED WITH THE TIDE GAUGE SITES SPECIFIED BELOW:

   NOAA TIDAL STATION "872-6573" FOR GADSDEN POINT CUT & CUT-A (HB)
   NOAA TIDAL STATION "872-6804" FOR CUT-C (HB) AND ALAFIA RIVER
   NOAA TIDAL STATION "872-6868" FOR CUT-D (HB), SEDDON CHANNEL, UPPER AND LOWER SPARKMAN CHANNEL, AND YBOR CHANNEL
   NOAA TIDAL STATION "872-6867" FOR PORT SUTTON CHANNEL, PORT SUTTON TERM. CH., PORT SUTTON T.B., EAST BAY CH. AND EAST BAY EXT. 1 & 2
3. TIDAL REDUCTIONS WERE OBTAINED UTILIZING A REAL-TIME KINEMATIC (RTK) GPS AND REFERENCED TO MLLW UTILIZING A HYPACK KINEMATIC TIDE DATUM (KTD) MODEL. KTD FILE NAME IS: "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)

   REFERENCE BASE LOCATED AT "Q 261" (NGS PID# AG6024)

   TIDE STAFF LOCATED FROM "EDD 60 TIDAL (NGS PID# AG5298)

   TIDE STAFF LOCATED FROM "Q-261"
9. VERTICAL MEASUREMENTS WERE MADE USING A ROSS 835 SMART-SOUNDER DUAL FREQUENCY 28/200 KHZ SINGLE-BEAM TRANSDUCER. HIGH FREQUENCY SOUNDINGS ARE SHOWN FOR GADSDEN POINT CUT, CUT-A AND CUT-C (STA. 0+00 THRU 315+00). LOW FREQUENCY SOUNDINGS ARE SHOWN FOR CUT-C (STA. 315+00 THRU 341+77.72), CUT-D, SEDDON CHANNEL, LOWER AND UPPER SPARKMAN CHANNELS, YBOR CHANNEL, EAST BAY CHANNEL AND EXTENSIONS, PORT SUTTON TERMINAL CHANNEL, PORT SUTTON TURNING BASIN AND PORT SUTTON CHANNEL.

VESSEL	DATE OF SURVEY	CUT
WB-34	23 JAN 2012	SEDDON CHANNEL
WB-34	24 JAN 2012	UPPER SPARKMAN
WB-34	24 JAN 2012	YBOR CHANNEL
WB-34	25 JAN 2012	LOWER SPARKMAN
WB-34	26 JAN 2012	CUT-D (HB)
WB-34	07 FEB 2012	PORT SUTTON CHANNEL
WB-34	13 FEB 2012	PORT SUTTON T.B.
WB-34	14 FEB 2012	EAST BAY CHANNEL
WB-34	16 FEB 2012	EAST BAY EXT. 1 & 2
WB-34	17 FEB 2012	PORT SUTTON TERM. CH.
WB-34	18, 23 MAY & 04 JUN 2012	GADSDEN POINT CUT
WB-34	04 JUN 2012	CUT-A (HB)
WB-34	07, 18 JUN 2012	CUT-C (HB)

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
Cad by: GIS
Inv. No. W912EP-XX-X-XXXX
Dated: DD MMM YYYY

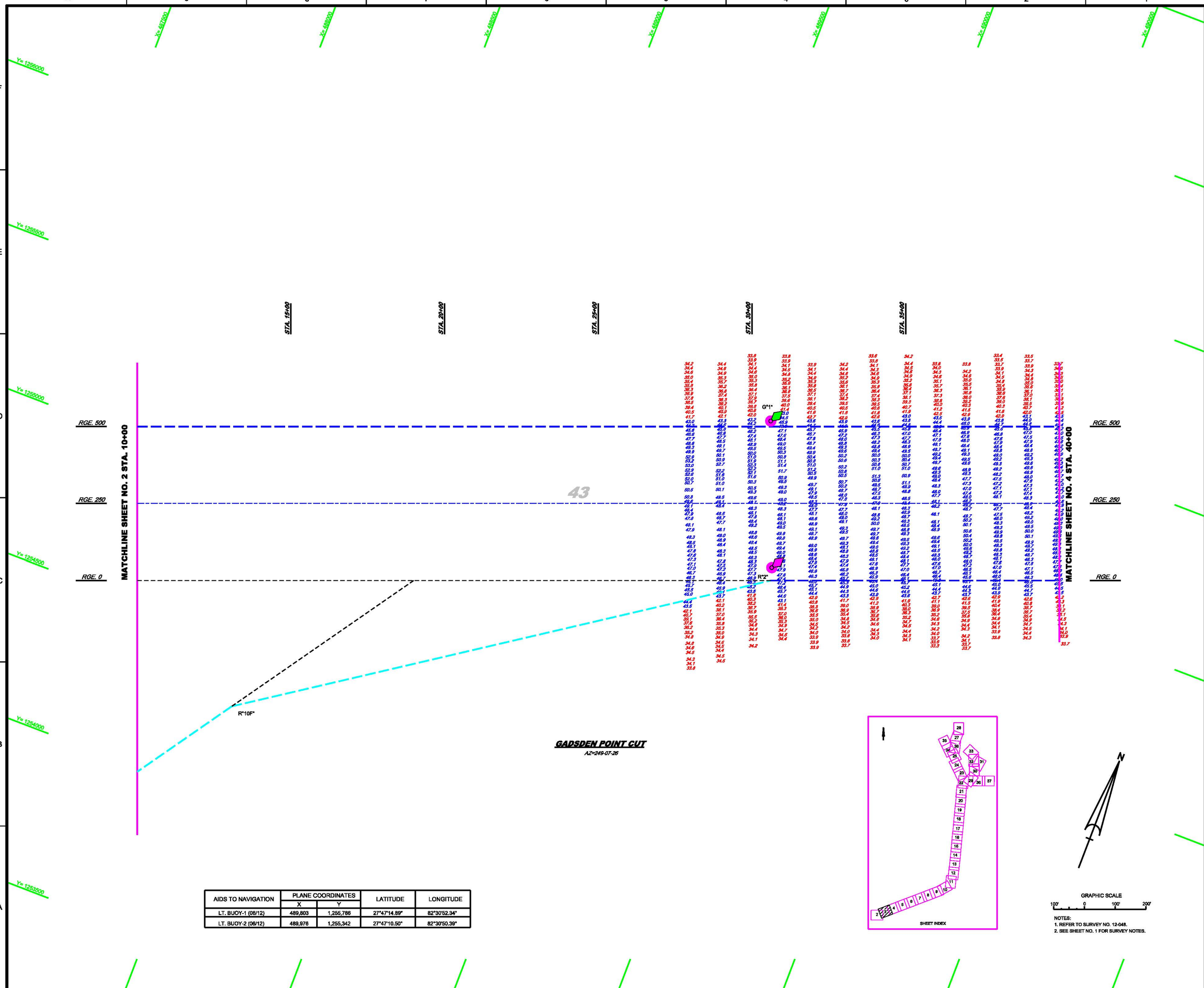
XXXXXXXX.X-XXXXXX.DGN
XXXXXXXX.X-XXXXXX.DGN
XXXXXXXX.X-XXXXXX.DGN
XXXXXXXX.X-XXXXXX.DGN
XXXXXXXX.X-XXXXXX.DGN
INDEX_W01.DGN
TAMPA HARBOR-C-SPMCCF.DGN
12-048-G-BS.DGN
References files:
12-048-W1-SI101.DGN
File name:

TAMPA HARBOR, FLORIDA
EXAMINATION SURVEY FY12
12, 34, 41 & 43-FOOT PROJECT
INDEX, LOCATION AND VICINITY
MAP

Scale: AS SHOWN

Drawing no.
1/36

SHEET 01 OF 54



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-1 (08/12)	489,803	1,255,786	27°47'14.89"	82°30'52.34"
LT. BUOY-2 (06/12)	489,976	1,255,342	27°47'10.50"	82°30'50.39"

NOTES:
1. REFER TO SURVEY NO. 12-048.
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: CRL
Inv. No. W912EP-XX-X-XXXX
Date: DD MMM YYYY

XXXXXXXXX-X-XXXXXX.DGN
XXXXXXXXX-X-XXXXXX.DGN
XXXXXXXXX-X-XXXXXX.DGN
XXXXXXXXX-X-XXXXXX.DGN
12-048-V-SOUN_GPC_HF.DGN
TAMPA HARBOR-C-SPMCCF.DGN
12-048-C-B83.DGN
Reference files:

12-048-VH-SI103.DGN
File name:

TAMPA HARBOR, FLORIDA

EXAMINATION SURVEY FY12
12, 34, 41 & 43-FOOT PROJECT

STA. 10+00 - 40+00 GADSDEN POINT CUT

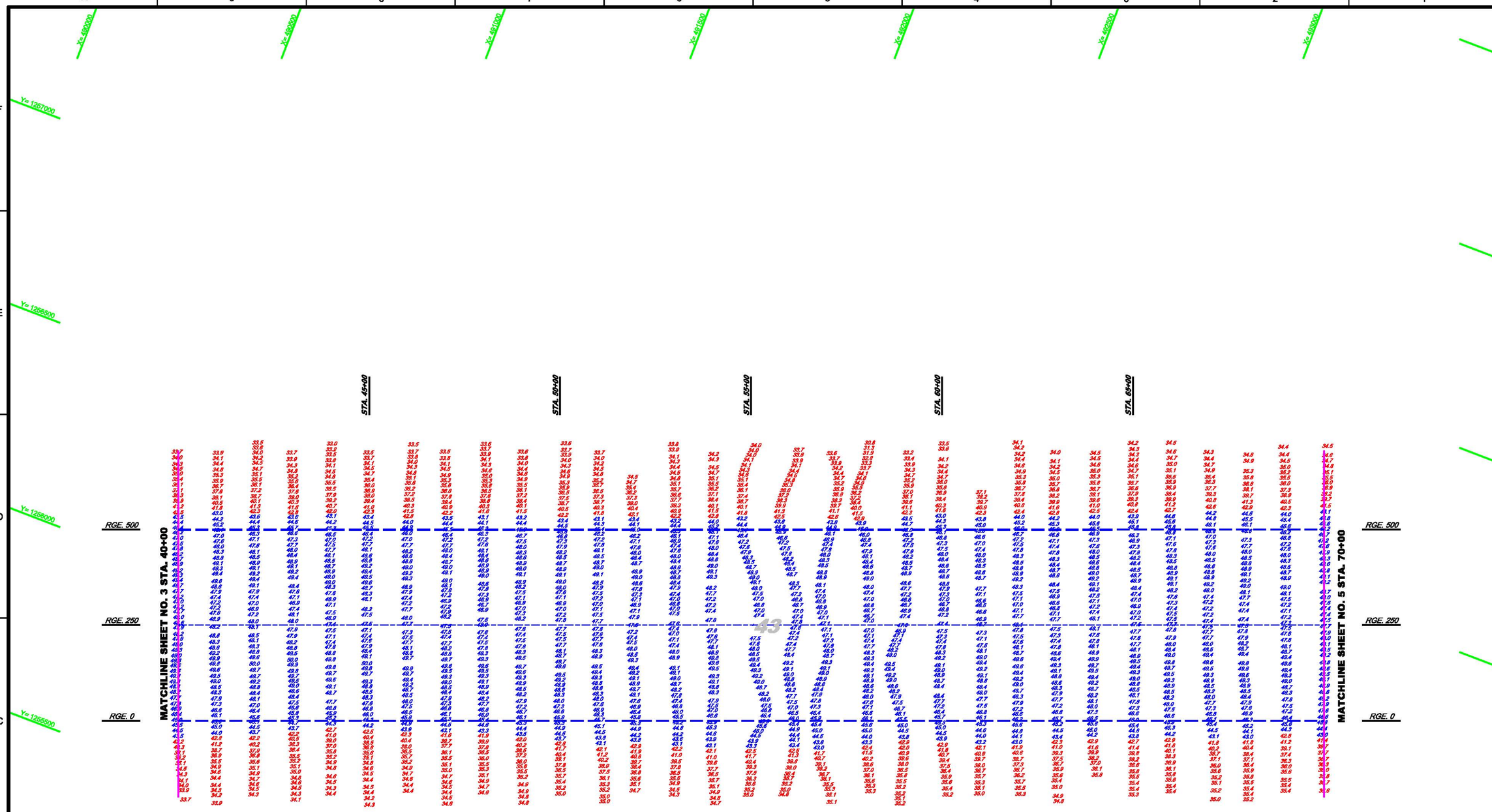
PLAN

Scale: AS SHOWN

Drawing no.

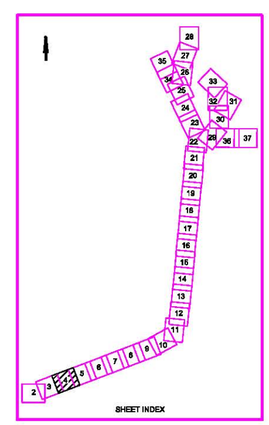
2/36

SHEET 03 OF 54



GADSDEN POINT CUT

AZ=249-07-26



GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 12-048.
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

Cad by: CRS
Designed by: WRM
DWN by: WRM
Rev. No. WR12SEP-XXX-XXXX
Dsned: DD MMM YYYY

XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
12-048-Y-SOUR_GPC_HF.DGN
TAMPA HARBOR-C-SPMCCF.DGN
12-048-G-BS.DGN
References files:
12-048-VH-SHXA.DGN
File name:

TAMPA HARBOR, FLORIDA

EXAMINATION SURVEY FY12
12, 34, 41 & 43-FOOT PROJECT

STA. 40+00 - 70+00 GADSDEN POINT CUT

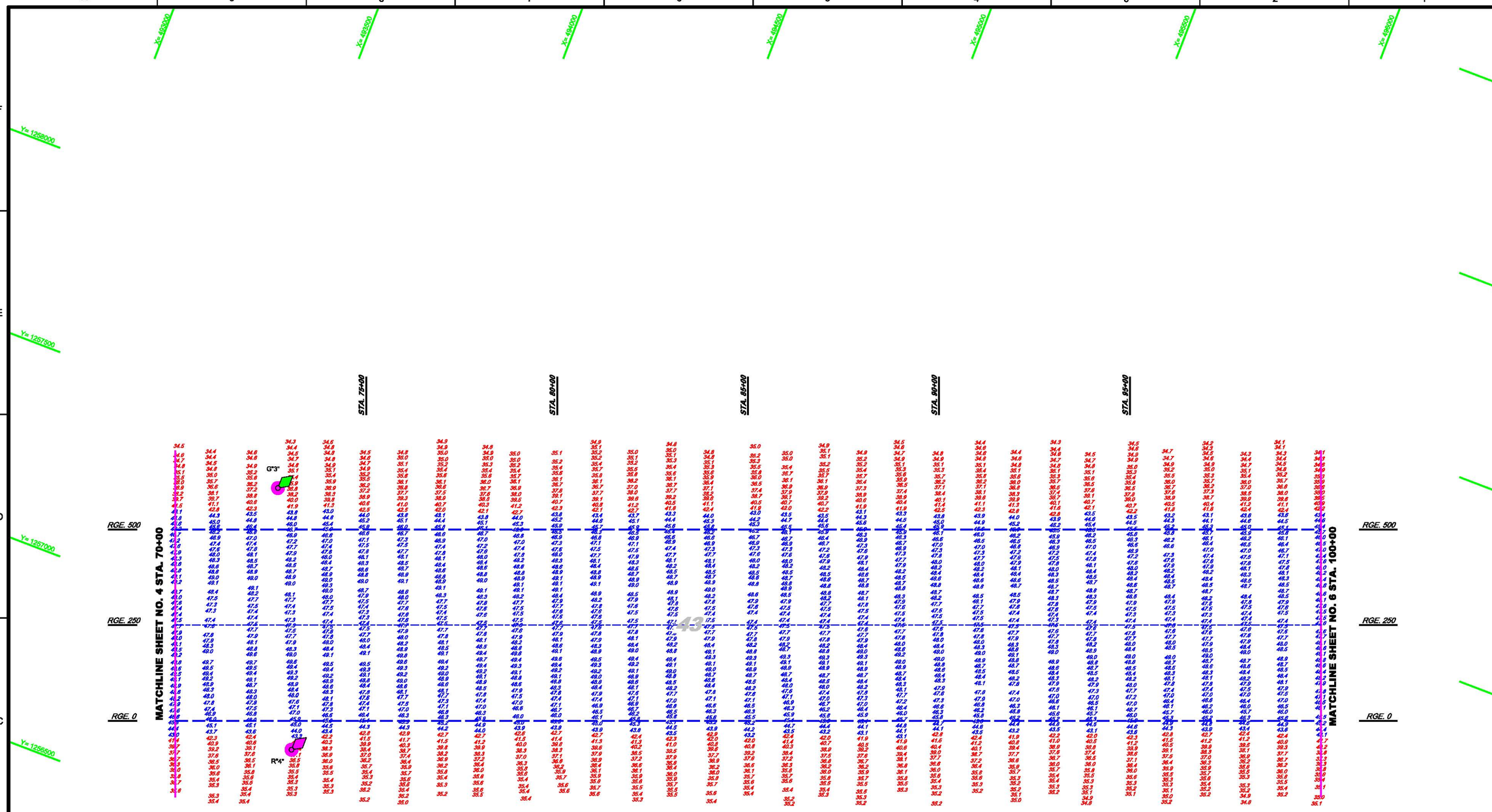
PLAN

Scale: AS SHOWN

Drawing no.

3/36

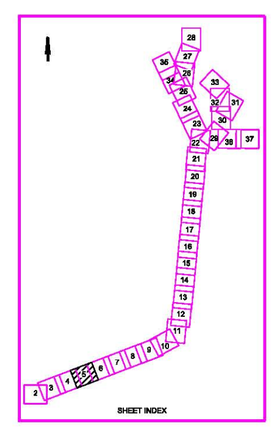
SHEET 04 OF 54



GADSDEN POINT CUT

AZ=249-07-26

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT.BUOY-03 (06/12)	493,702	1,257,370	27°47'30.74"	82°30'09.00"
LT. BUOY-4 (06/12)	493,979	1,256,744	27°47'24.54"	82°30'05.88"



GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 12-048.
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
Cad by: CR
DWN by: WRM
Inv. No. W912EP-XX-X-XXXX
Dsnat. DD MMM YYYY

XXXXXXXXX-XX-XXXXXX.DGN
XXXXXXXXX-X-XXXXXX.DGN
XXXXXXXXX-X-XXXXXX.DGN
XXXXXXXXX-X-XXXXXX.DGN
12-048-V-SOUN_GPC_HF.DGN
TAMPA HARBOR-C-SPMOCF.DGN
12-048-C-BS.DGN
Reference files:

12-048-VH-SI100.DGN
File name:

TAMPA HARBOR, FLORIDA

EXAMINATION SURVEY FY12
12, 34, 41 & 43-FOOT PROJECT
STA. 70+00 - 100+00 GADSDEN POINT CUT

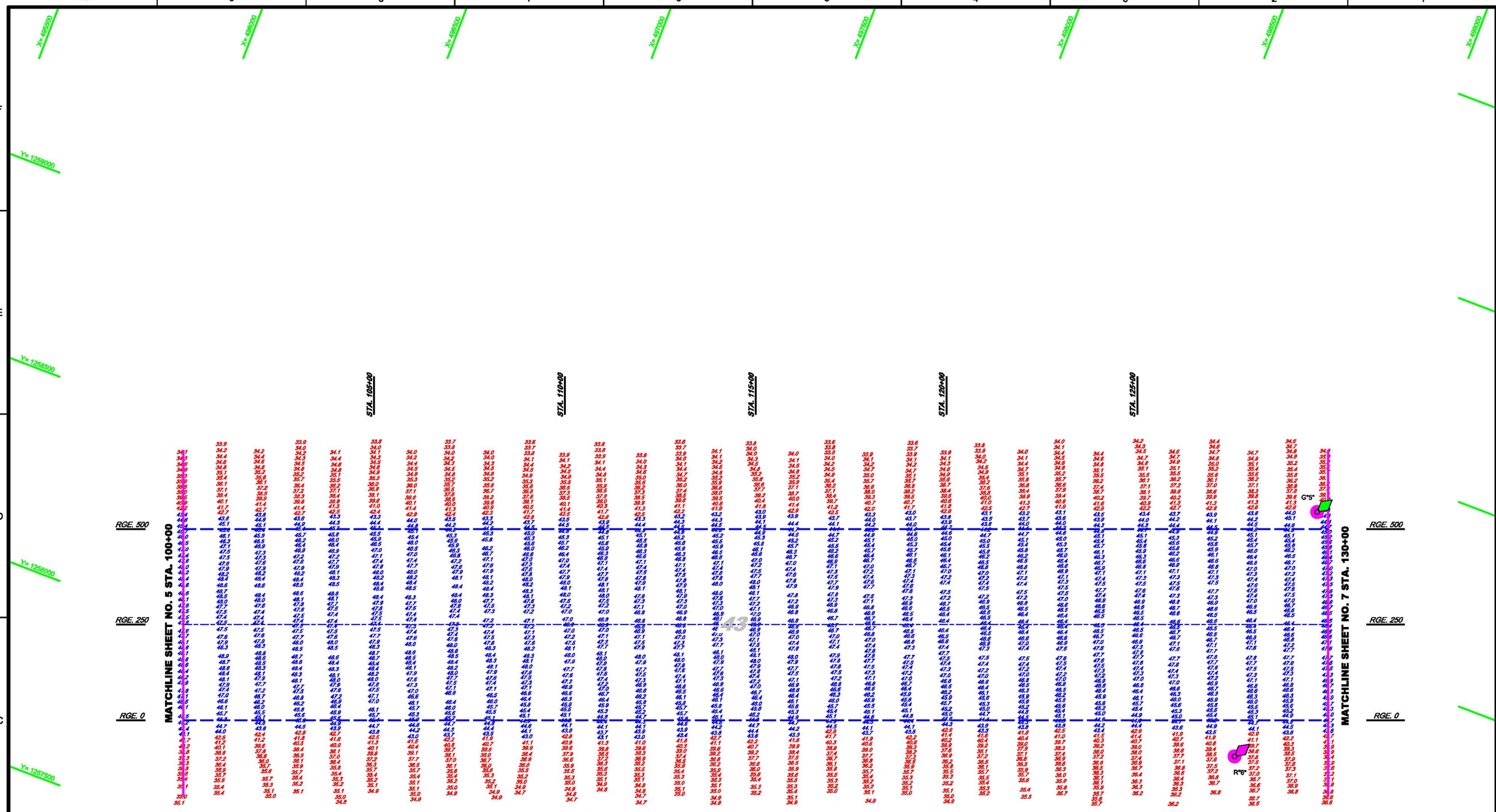
PLAN

Scale: AS SHOWN

Drawing no.

4/36

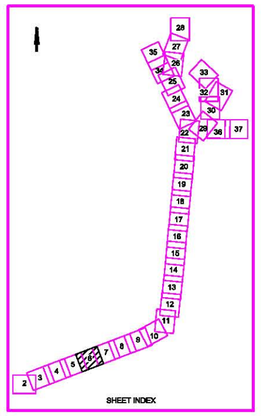
SHEET 05 OF 54



GADSDEN POINT CUT

AZ=249-07-26

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-5 (08/12)	499,053	1,259,343	27°47'50.48"	82°29'09.50"
LT. BUOY-06 (08/12)	499,079	1,258,868	27°47'43.80"	82°29'09.19"



GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 12-048.
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

Call by: GR
Designed by: WRM
DWN by: WRM
Rev. No. W912JEFF-XXX-XXXX
Checked: DD MMM YYYY

XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
12-048-V-SOUN_GPC_HF.DGN
TAMPA HARBOR-C-SPMCEF.DGN
Reference files:
12-048-V14-SHX06.DGN
File name:

TAMPA HARBOR, FLORIDA

EXAMINATION SURVEY FY12
12, 34, 41 & 43-FOOT PROJECT

STA. 100+00 - 130+00 GADSDEN POINT CUT

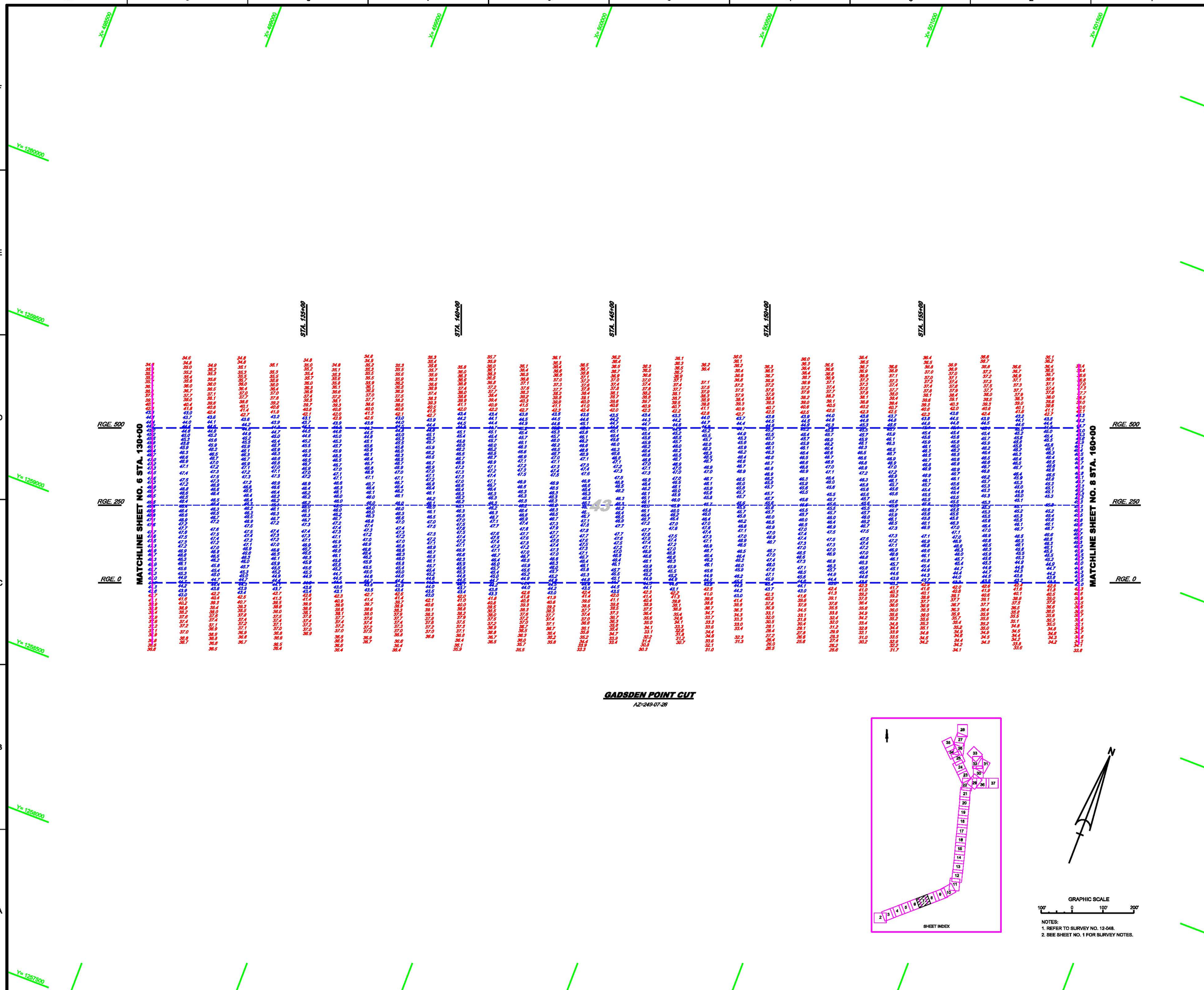
PLAN

Scale: AS SHOWN

Drawing no.

5/36

SHEET 06 OF 54



NOTES:
1. REFER TO SURVEY NO. 12-048.
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
Cad by: CBR
DWN by: WRM
Inv. No. W912EP-XX-X-XXXX
Dsnet: DD MMM YYYY

XXXXXXXX-X-XXXXXXX.DGN
XXXXXXXX-X-XXXXXXX.DGN
XXXXXXXX-X-XXXXXXX.DGN
XXXXXXXX-X-XXXXXXX.DGN
XXXXXXXX-X-XXXXXXX.DGN
12-048-V-SOUN_GPC_HF.DGN
TAMPA HARBOR-C-SPMCCF.DGN
Reference files:
12-048-VH-SH07.DGN
File name:

TAMPA HARBOR, FLORIDA

EXAMINATION SURVEY FY12
12, 34, 41 & 43-FOOT PROJECT

STA. 130+00 - 160+00 GADSDEN POINT CUT

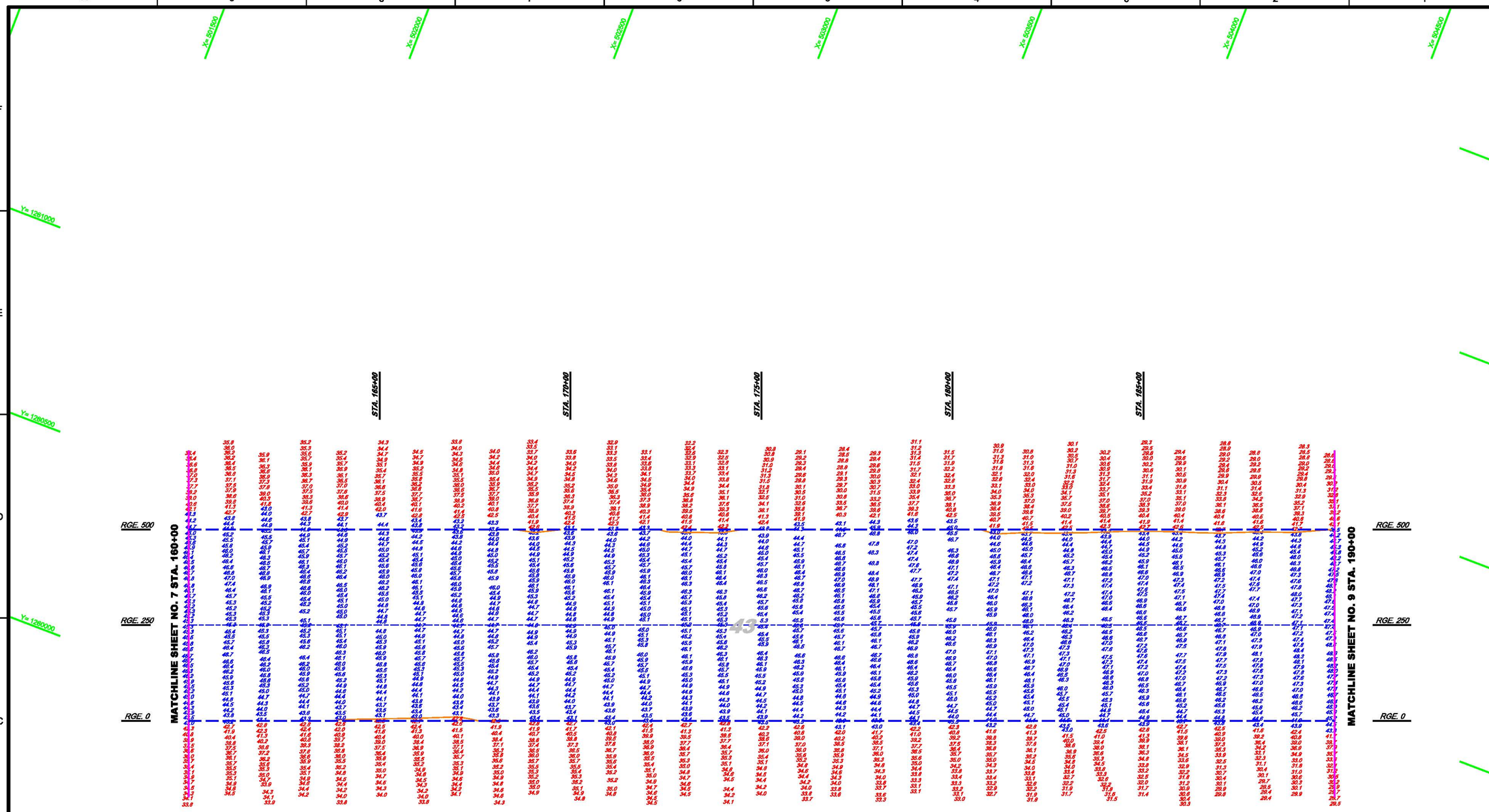
PLAN

Scale: AS SHOWN

Drawing no.

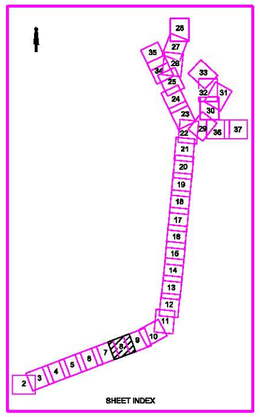
6/36

SHEET 07 OF 54



GADSDEN POINT CUT

AZ=249-07-26



GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 12-048.
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
Cad by: GR
DWN by: WRM
Chk by:
Rev. No. W912EP-XX-X-XXXX
Dated: DD MMM YYYY

XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
12-048-V-SIGN_DPD_HF.DGN
TAMPA HARBOR-C-SPMCCF.DGN
12-048-C-SS.DGN
Reference files:
12-048-VR-SS98.DGN
File name:

TAMPA HARBOR, FLORIDA

EXAMINATION SURVEY FY12
12, 34, 41 & 43-FOOT PROJECT
STA. 160+00 - 190+00 GADSDEN POINT CUT

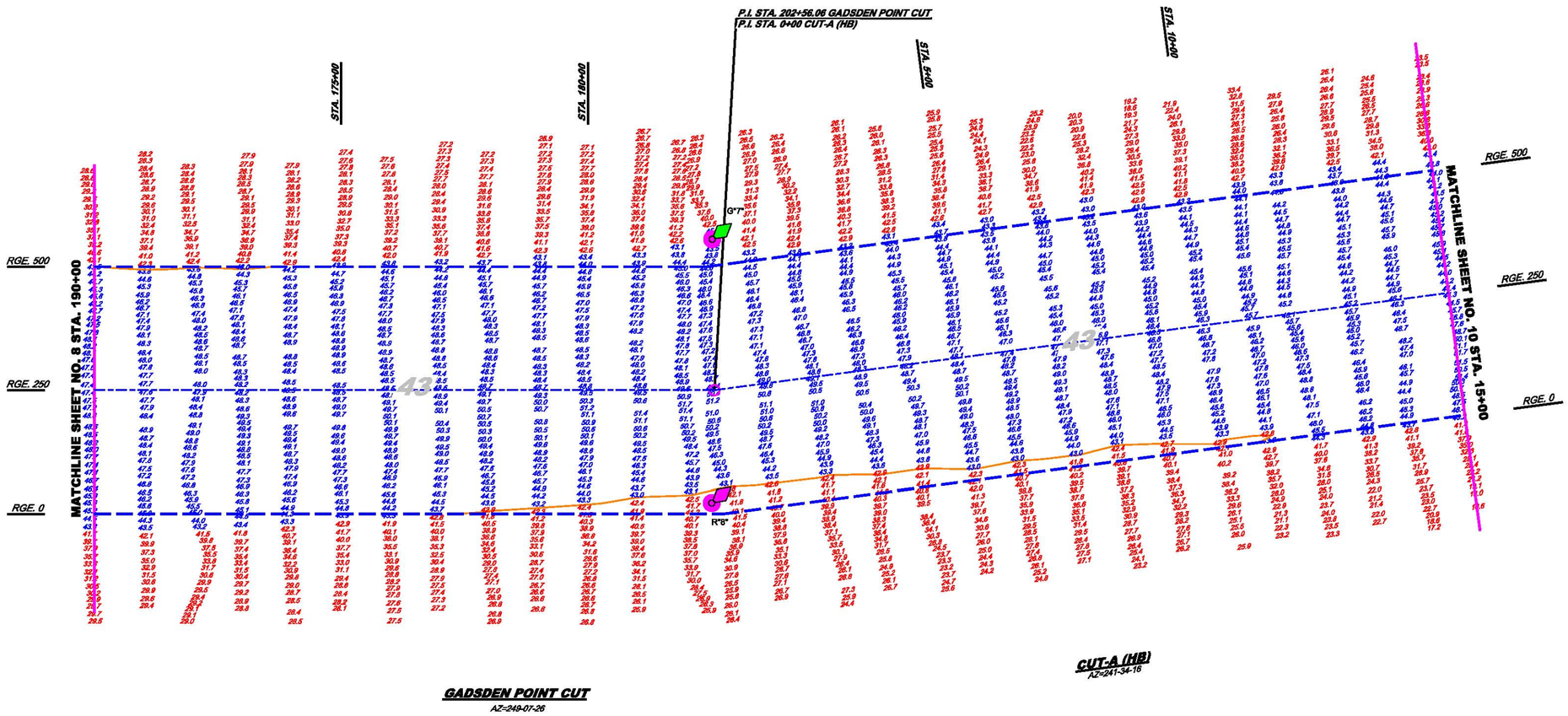
PLAN

Scale: AS SHOWN

Drawing no.

7/36

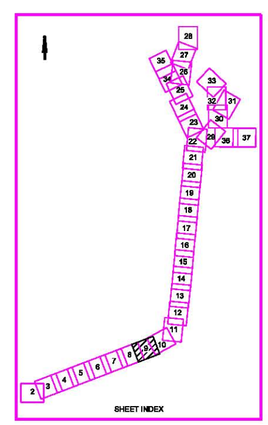
SHEET 08 OF 54



GADSDEN POINT CUT
AZ=249-07-26

CUT-A (HB)
AZ=241-34-16

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-7 (08/12)	505,852	1,261,947	27°48'16.53"	82°27'53.91"
LT.BUOY-8 (08/12)	506,041	1,261,448	27°48'11.60"	82°27'51.78"



GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 12-048.
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

Cad by: CD
Designed by: WRM
DWN by: WRM
Rev. No. W912EP-XX-X-XXXX
Dated: DD MMM YYYY

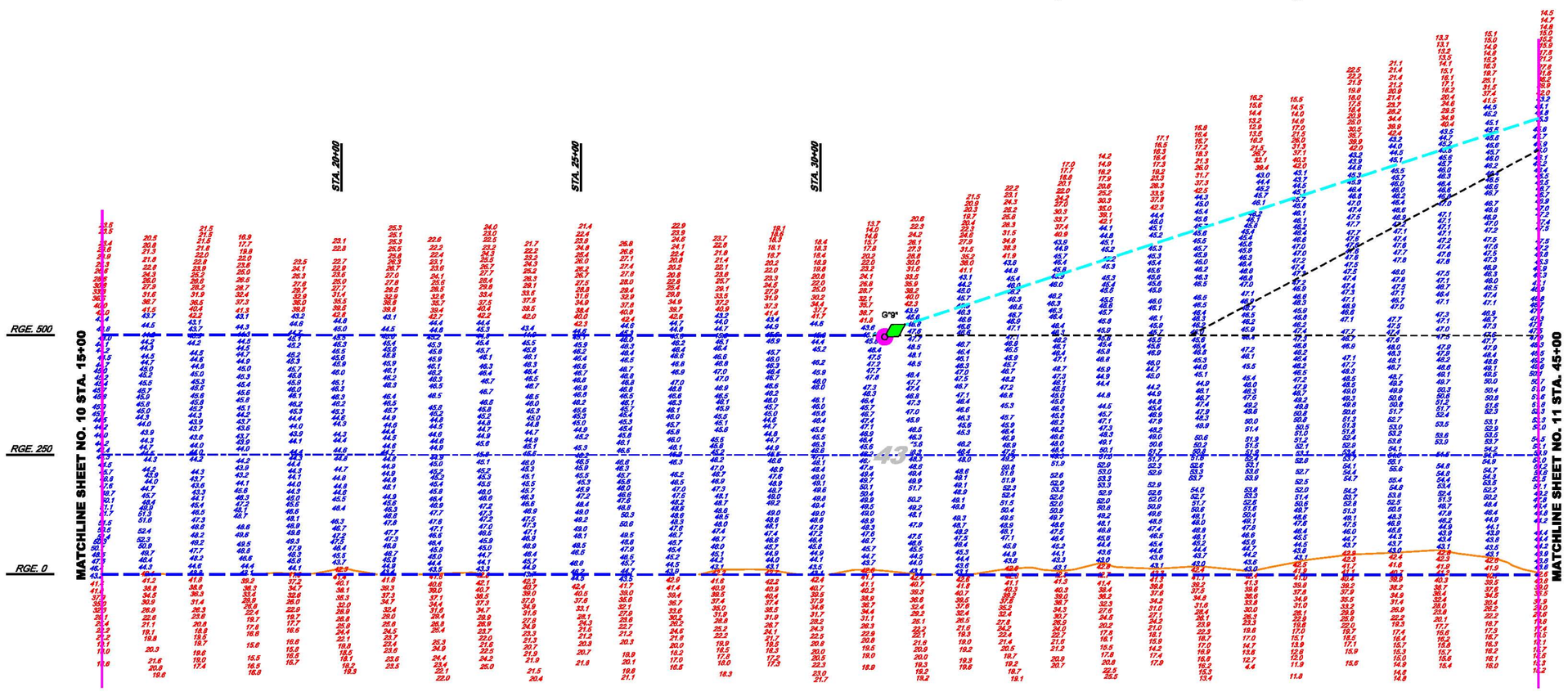
XXXXXXXXX-XX-XXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
12-048-V-COM43.DGN
12-048-V-NAV.DGN
12-048-V-SOUTH_CUT-A_HF.DGN
12-048-V-SOUTH_GPC_HF.DGN
TAMPA HARBOR-C-SPMCCF.DGN
12-048-S-B8.DGN
Reference files:
12-048-VH-S169.DGN
File name:

TAMPA HARBOR, FLORIDA
EXAMINATION SURVEY FY12
12, 34, 41 & 43-FOOT PROJECT
STA. 190+00 GADSDEN POINT CUT THUR STA. 15+00 CUT-A (HB)
PLAN

Scale: AS SHOWN

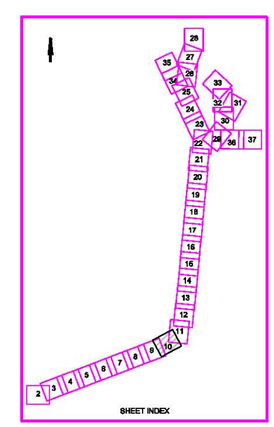
Drawing no.
8/36

SHEET 09 OF 54



CUT-A (HB)
AZ=241-34-16

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-9 (08/12)	508,604	1,263,372	27°48'30.74"	82°27'23.32"



GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 12-048.
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
Cad by: GR
DWN by: WRM
Rev. No. W912EP-XX-X-XXXX
Dwgd. DD MMM YYYY

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
12-048-V-CONASL.DGN
12-048-V-MAIN.DGN
12-048-V-SOUN_CTA_HF.DGN
TAMPA HARBOR-C-SPMCCF.DGN
12-048-G-BS.DGN
Reference files:
12-048-VH-SH10.DGN
File name:

TAMPA HARBOR, FLORIDA

EXAMINATION SURVEY FY12
12, 34, 41 & 43-FOOT PROJECT
STA. 15+00 THRU STA. 45+00 CUT-A (HB)

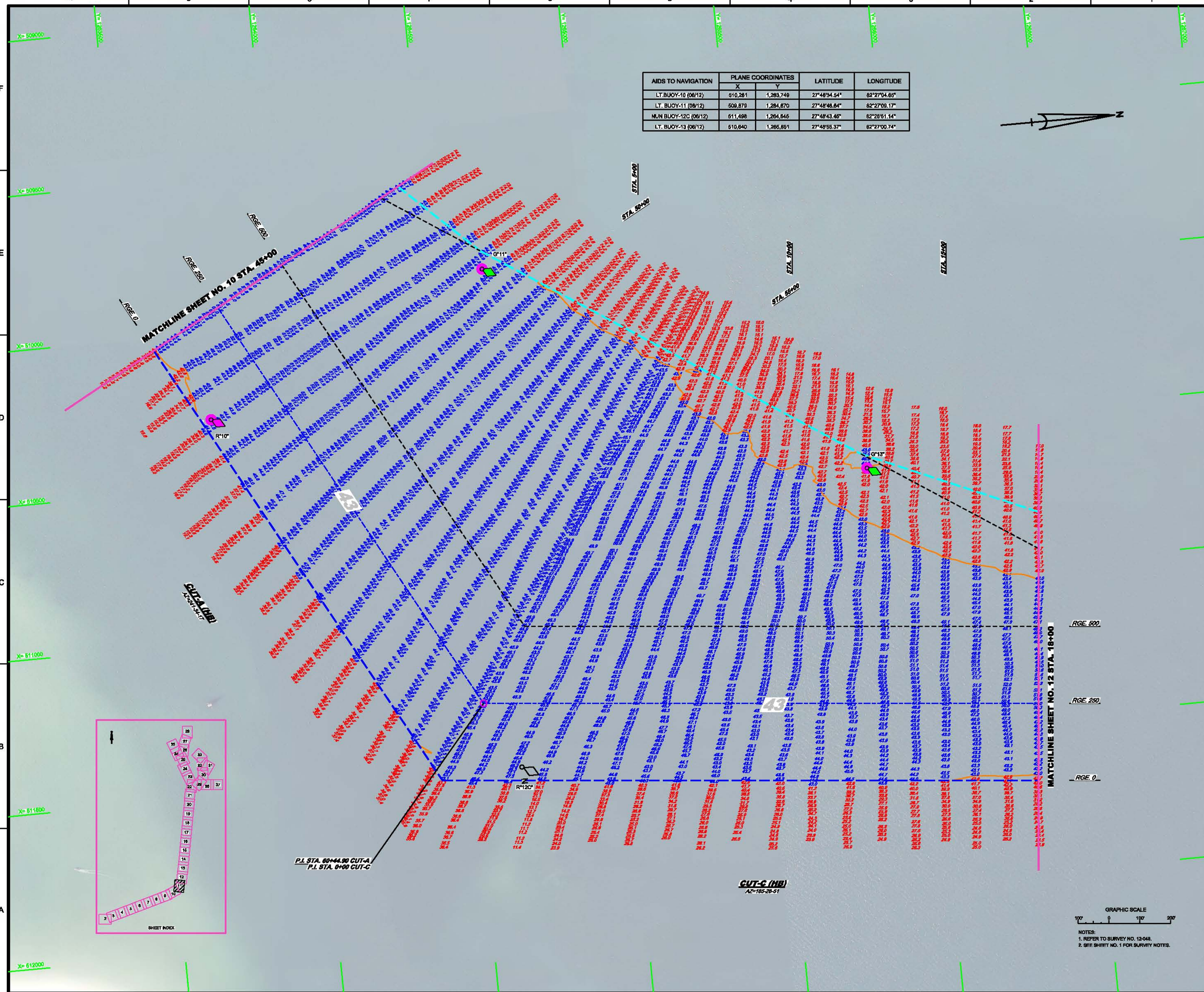
PLAN

Scale: AS SHOWN

Drawing no.
9/36

SHEET 10 OF 54

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT.BUOY-10 (08/12)	510,281	1,263,749	27°48'34.54"	82°27'04.65"
LT. BUOY-11 (08/12)	509,879	1,264,670	27°48'48.64"	82°27'09.17"
NUN BUOY-12C (06/12)	511,498	1,264,845	27°48'43.46"	82°26'61.14"
LT. BUOY-13 (08/12)	510,640	1,265,851	27°48'55.37"	82°27'00.74"



NOTES:
1. REFER TO SURVEY NO. 12-048.
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

Cad by: SF
Designed by: WRM
Checked by: WRM
Dwg. No. V0512SR-XX-X-XXXX
Dated: DD MMM YYYY

XX0XXXXC-X-XXXXXXXX.DGN
12-048-A-MAP.DGN
12-048-V-CONAG.DGN
12-048-V-6GUN_CTA_UIF.DGN
12-048-V-6GUN_CTA_UIF_SHEET.DGN
12-048-TAMPA11V-SPOIT-C-IF_2-SOLDGN
TAMPA I HARBOR-C-SPMODF.DGN
12-048-C-BS.DGN
Reference files:
12-048-VH-BS11.DGN
File name:

TAMPA HARBOR, FLORIDA

EXAMINATION SURVEY FY12
12, 34, 41 & 43-FOOT PROJECT

STA. 45+00 CUT-A THRU STA. 18+00 CUT-C

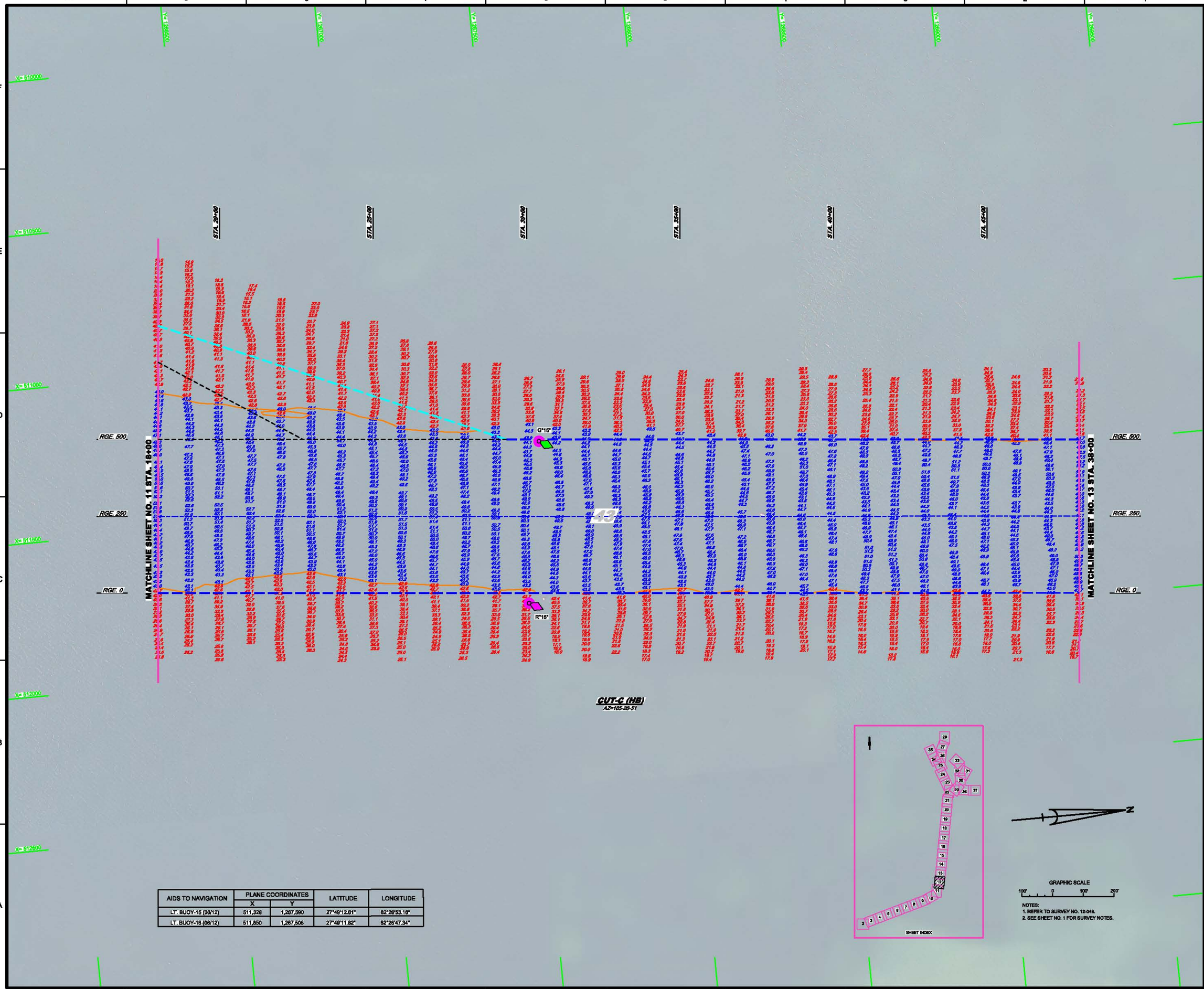
PLAN

Scale: AS SHOWN

Drawing no.

10/36

SHEET 11 OF 54



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-15 (08/12)	511,328	1,267,590	27°49'12.61"	82°26'53.16"
LT. BUOY-18 (08/12)	511,850	1,267,506	27°49'11.82"	82°26'47.34"

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
Drawn by: WRM
Checked by: GR
Date: DD MMM YYYY
Dwg. No. W912EP-XX-X-XXXX

Reference files:
XXXXXXXX-X-XXXXXXX.DGN
XXXXXXXX-X-XXXXXXX.DGN
XXXXXXXX-X-XXXXXXX.DGN
12-048-Y-CONHS.DGN
12-048-Y-SURVEY.DGN
12-048-TAMPA 11-HSPOUT-C-HF_D-906.DGN
TAMPA 11HARBOR-C-BPNEBF.DGN
12-048-C-BS.DGN
12-048-VH-SH12.DGN

TAMPA HARBOR, FLORIDA

EXAMINATION SURVEY FY12
12, 34, 41 & 43-FOOT PROJECT

STA. 18+00 THRU STA. 48+00 CUT-C

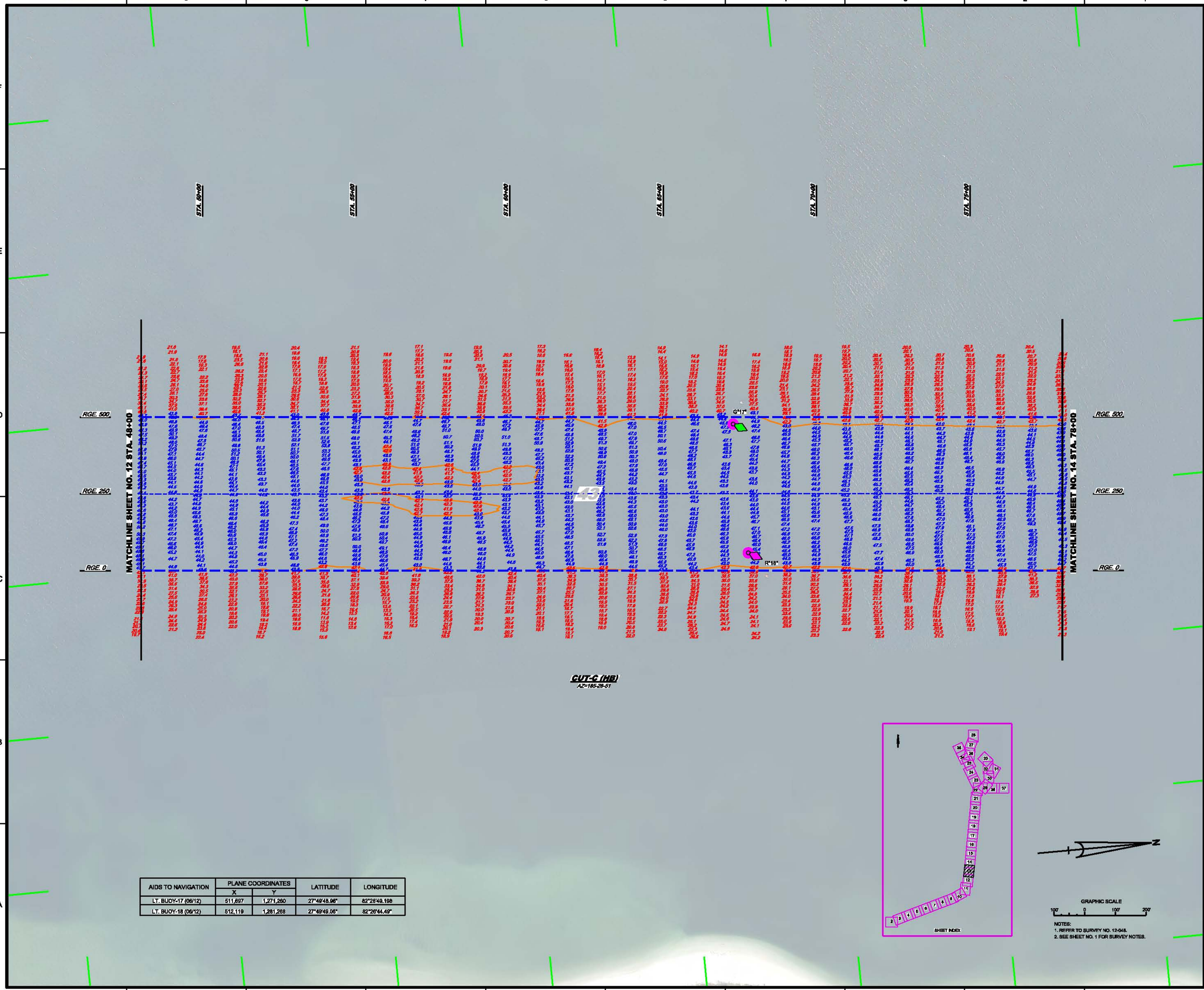
PLAN

Scale: AS SHOWN

Drawing no.

11/36

SHEET 12 OF 54



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-17 (06/12)	511,697	1,271,260	27°49'48.96"	82°26'49.198"
LT. BUOY-18 (06/12)	512,119	1,281,268	27°49'49.06"	82°26'44.49"

NOTES:
1. REFER TO SURVEY NO. 12-048.
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

Checked by: GR
Drawn by: WRM
Designed by: WRM
Ser. No. W912EP-XX-X-XXXX
Dated: DD MMM YYYY

XXXXXXXXX-X-XXXXXXX.DGN
XXXXXXXXX-X-XXXXXXX.DGN
XXXXXXXXX-X-XXXXXXX.DGN
12-048-V-CONS.DGN
12-048-V-SURVEY.DGN
12-086-TAMPA11-V-SPOUT-C-HF_0-XXL.DGN
TAMPA HARBOR-0-SPMBSF.DGN
12-048-0-BS.DGN
Referred files:
12-048-VH-SB13.DGN
File name:

TAMPA HARBOR, FLORIDA

EXAMINATION SURVEY FY12
12, 34, 41 & 43-FOOT PROJECT

STA. 48+00 THRU STA. 78+00 CUT-C

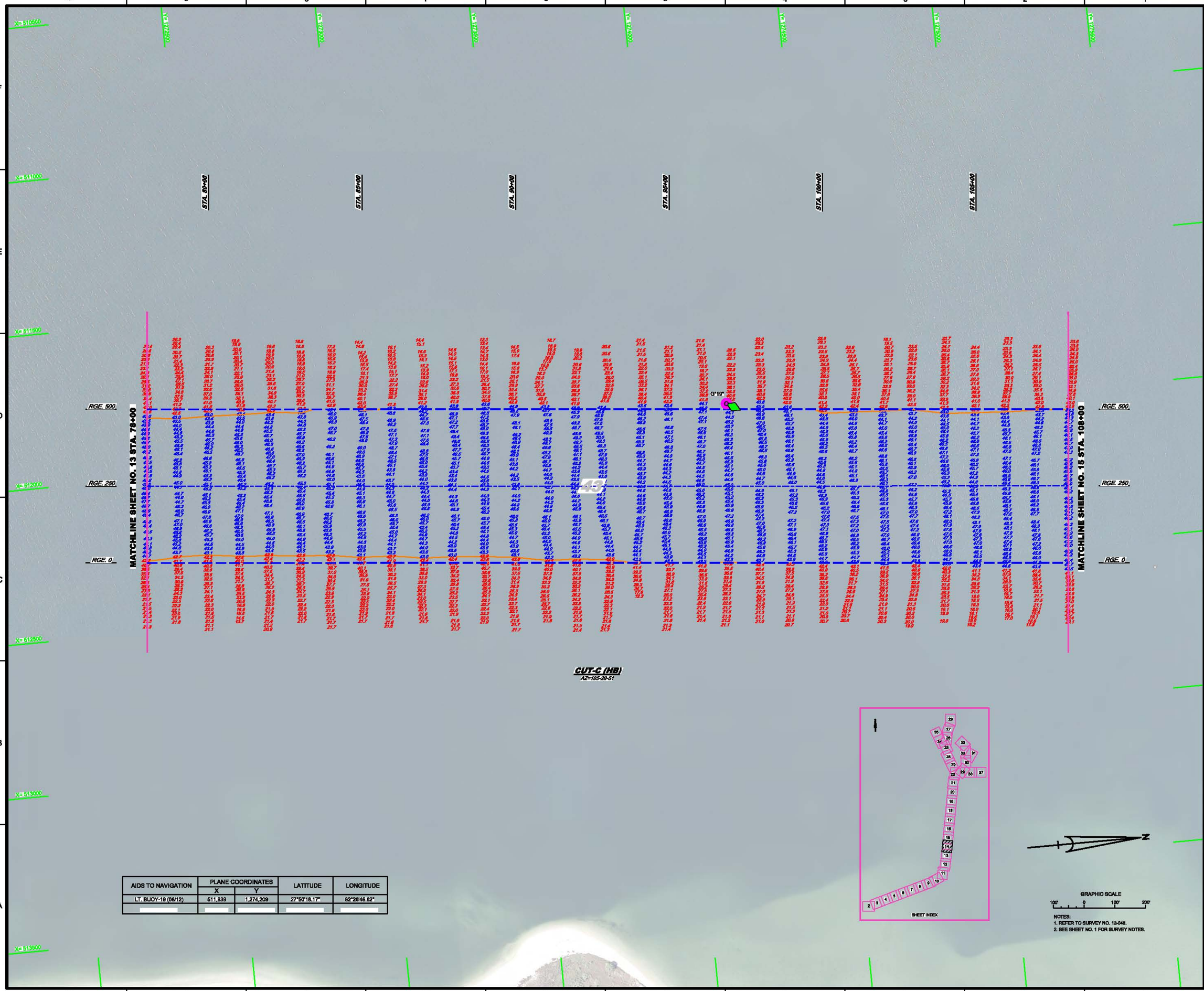
PLAN

Scale: AS SHOWN

Drawing no.

12/36

SHEET 13 OF 54



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-19 (08/12)	511,939	1,274,209	27°50'18.17"	82°26'46.82"

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

Chkd by: GR
Drwn by: WRM
Dsnd by: WRM
Ref. No. W912BP-X-X-XXXX
Dsnd: DD MMM YYYY

Reference files:
12-048-VH-B814.DGN
File name:

TAMPA HARBOR, FLORIDA

EXAMINATION SURVEY FY12
12, 34, 41 & 43-FOOT PROJECT

STA. 78+00 THRU STA. 108+00 CUT-C

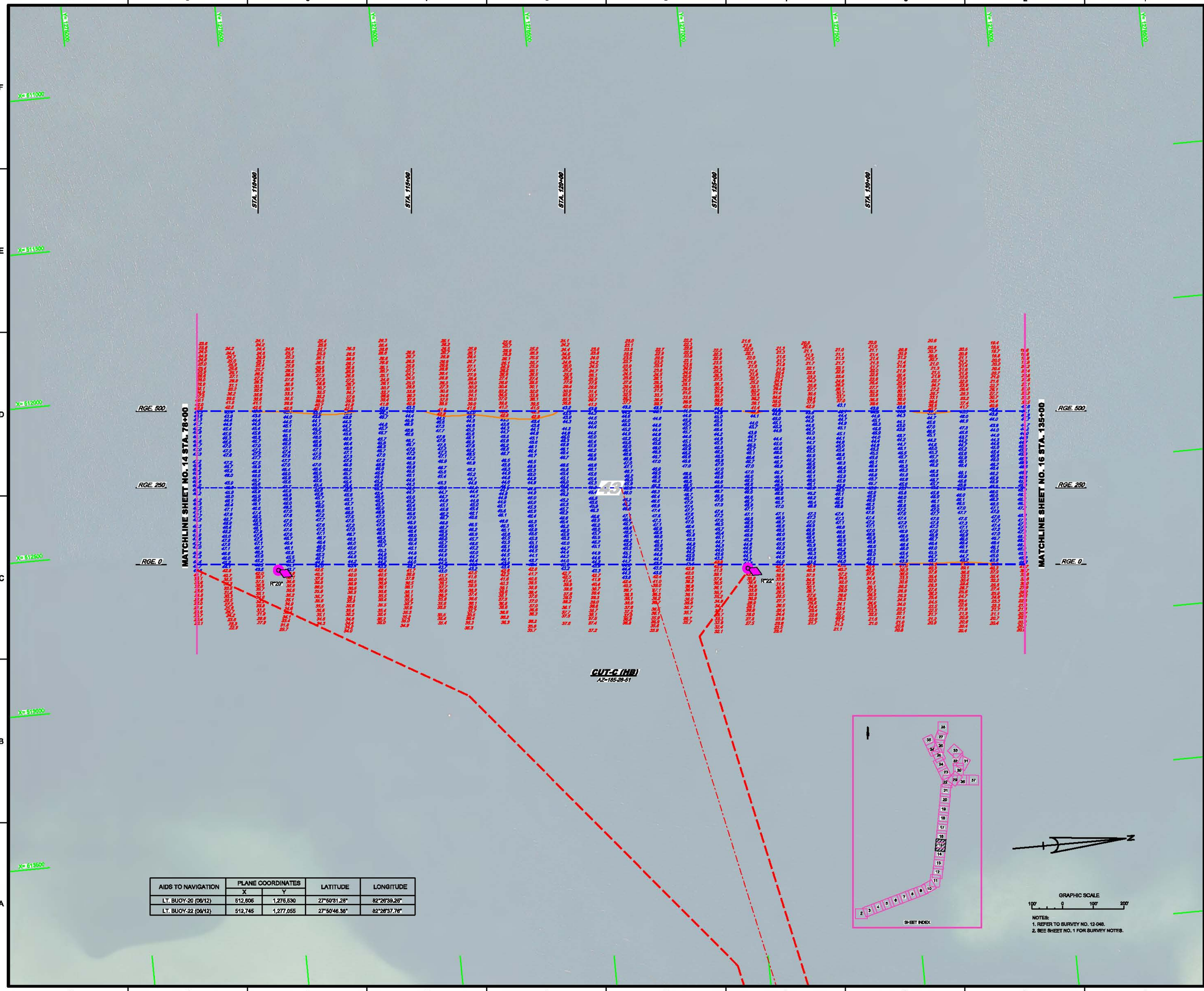
PLAN

Scale: AS SHOWN

Drawing no.

13/36

SHEET 14 OF 54



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-20 (06/12)	512,605	1,276,530	27°50'31.28"	82°26'39.26"
LT. BUOY-22 (06/12)	512,745	1,277,055	27°50'46.36"	82°26'37.76"

NOTES:
1. REFER TO SURVEY NO. 12-048.
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

Drawn by: WRM
Checked by:
Covered by: WRM
Date: DD MMM YYYY
Cad file: GR
Rev. No. V8i/12SP1-XX-X-XXXX

XXXXXXXX_X-XXXXXXX.DGN
XXXXXXXX-X-XXXXXXX.DGN
XXXXXXXX-X-XXXXXXX.DGN
12-048-V-CONVS.DGN
12-048-V-MAP-01.DGN
12-048-TAMPA1-SHPCUT-C-H-F_0-308.DGN
TAMPA I HARBOR-C-SHPNBSF.DGN
12-048-C-BS.DGN
Reference files:
12-048-VH-BS115.DGN
File name:

TAMPA HARBOR, FLORIDA

EXAMINATION SURVEY FY12
12, 34, 41 & 43-FOOT PROJECT
STA. 105+00 THRU STA. 135+00 CUT-C

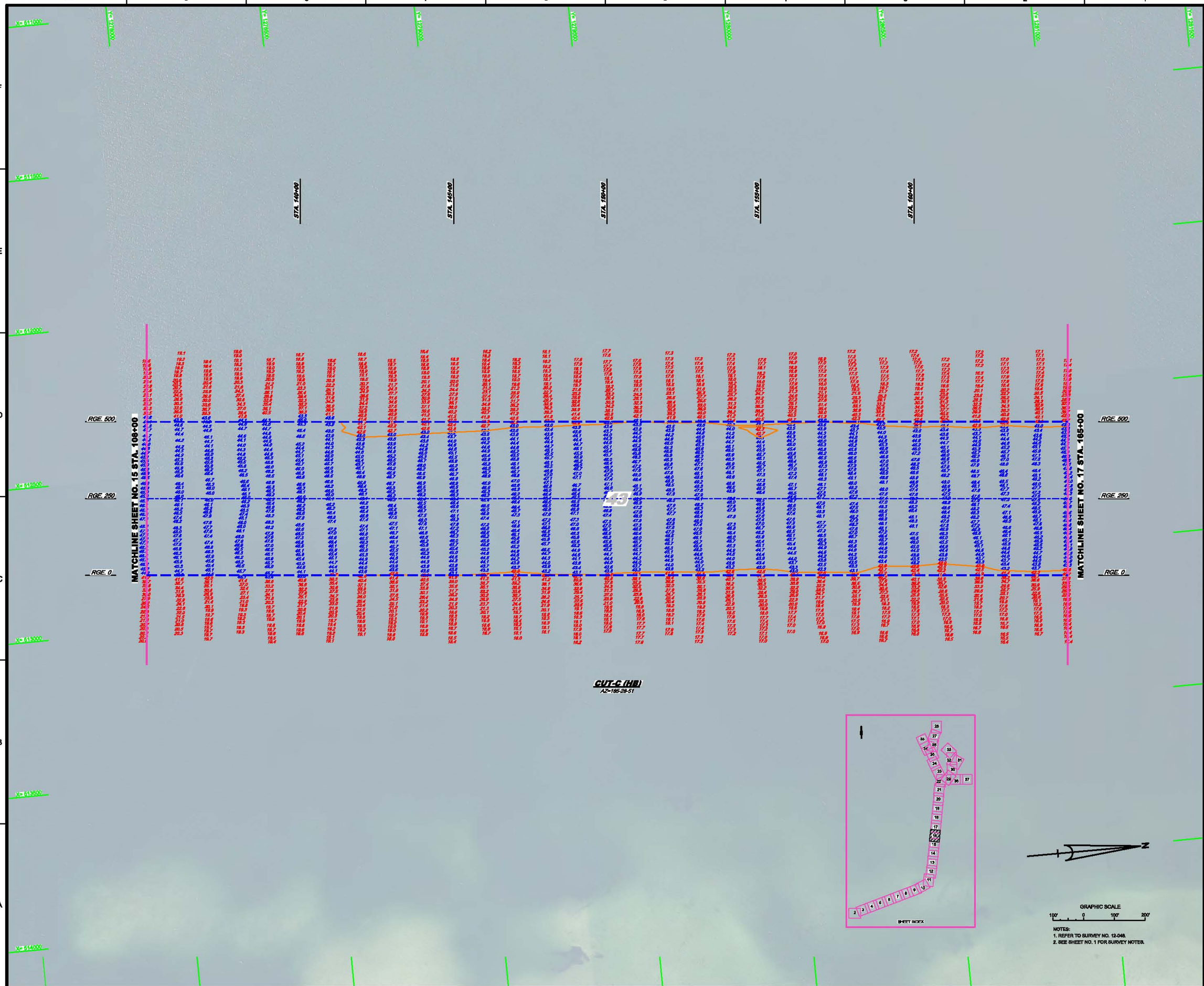
PLAN

Scale: AS SHOWN

Drawing no.

14/36

SHEET 15 OF 54



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

Checked by: GR
Designed by: WRM
Drawn by: WRM
Rev. No. WR15SR-XX-A-XXXX
Date: DD MMM YYYY

XXXXXXXX-X-XXXXXXX.DGN
XXXXXXXX-X-XXXXXXX.DGN
XXXXXXXX-X-XXXXXXX.DGN
XXXXXXXX-X-XXXXXXX.DGN
12-048-TAMPA11-SPOIT-C-HF_A-XXX.DGN
TAMPA HARBOR-C-SPMBSF.DGN
12-048-C-SB5.DGN
Reference files:
12-048-VH-SB116.DGN
File name:

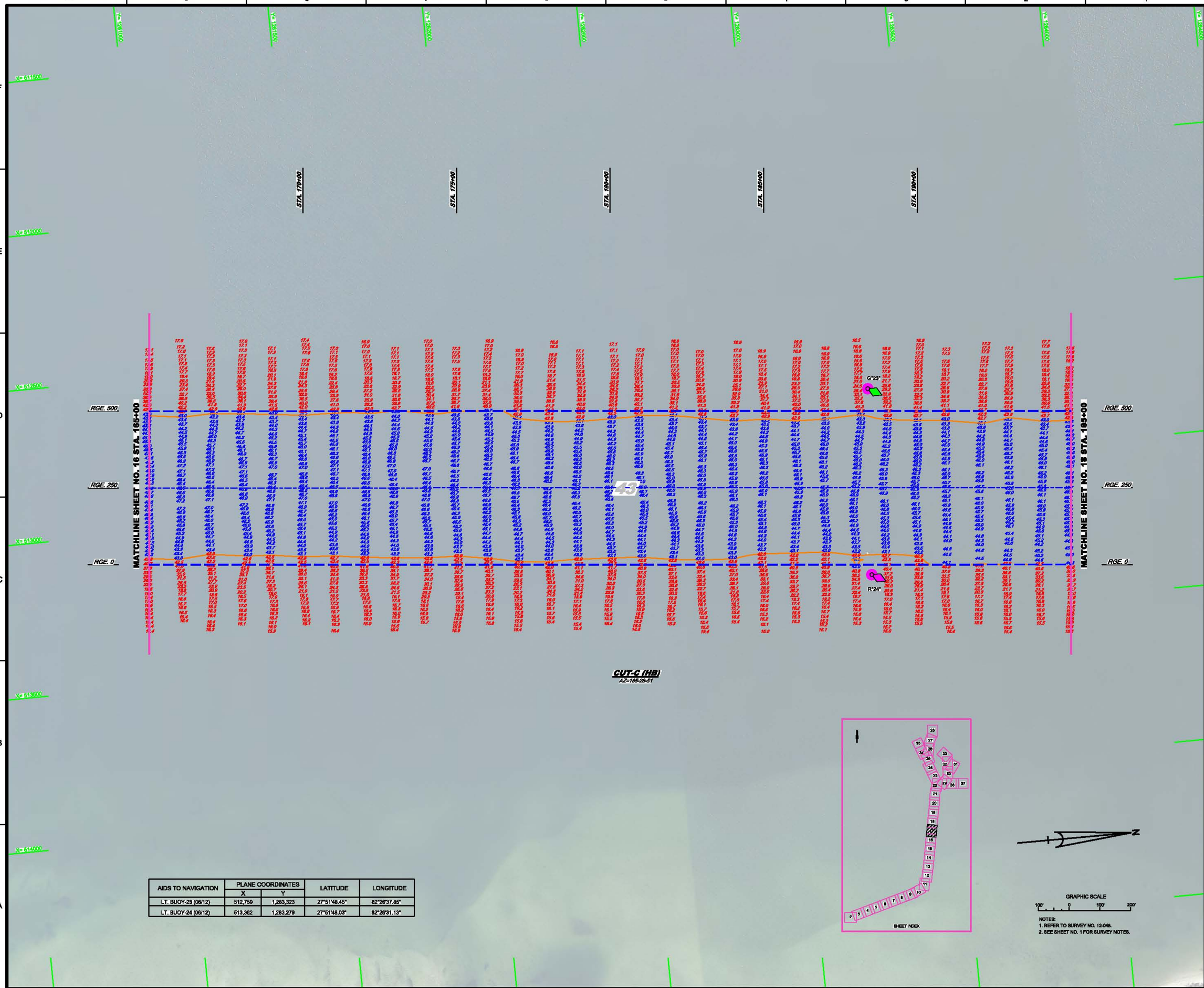
TAMPA HARBOR, FLORIDA

EXAMINATION SURVEY FY12
12, 34, 41 & 43-FOOT PROJECT
STA. 135+00 THRU STA. 165+00 CUT-C
PLAN

Scale: AS SHOWN

Drawing no.
15/36

SHEET 16 OF 54



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-23 (06/12)	512,759	1,283,323	27°51'48.45"	82°26'37.85"
LT. BUOY-24 (06/12)	513,362	1,283,279	27°51'48.03"	82°26'31.13"

NOTES:
1. REFER TO SURVEY NO. 12-048.
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

Checked by: GR
Drawn by: WRM
Designed by: WRM
Dwg. No. W912EP-XX-X-XXXX
Date: DD MMM YYYY

XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
12-048-V-CONN3.DGN
12-048-V-MAP11.DGN
12-048-TAMPA11-BPOUT-C-HF_5-308.DGN
TAMPA11ARBOR-C-BPMBBF.DGN
12-048-C-BS.DGN
Reference files:
12-048-VH-RS17.DGN
File name:

TAMPA HARBOR, FLORIDA

EXAMINATION SURVEY FY12
12, 34, 41 & 43-FOOT PROJECT

STA. 165+00 THRU STA. 195+00 CUT-C

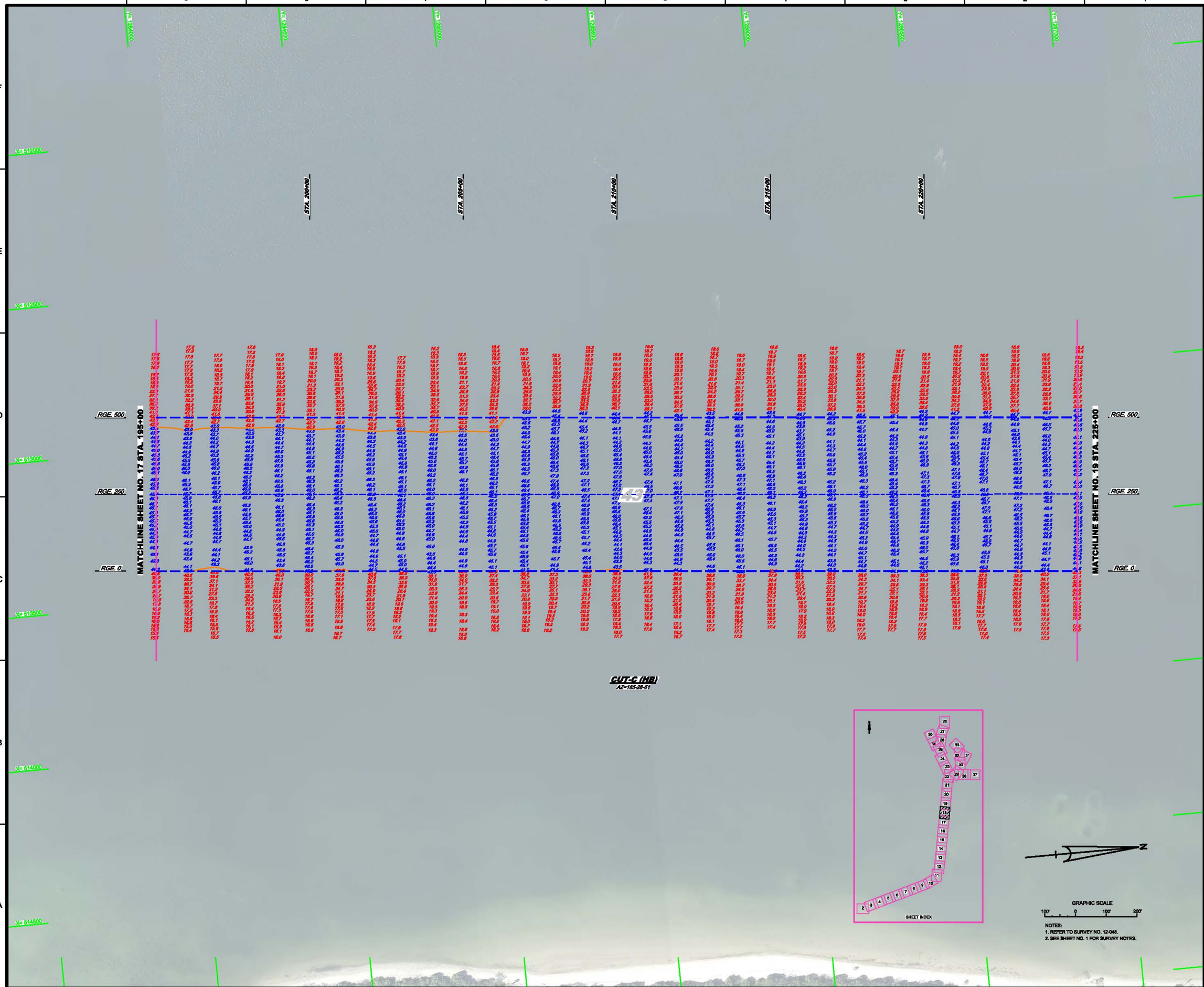
PLAN

Scale: AS SHOWN

Drawing no.

16/36

SHEET 17 OF 54



NOTES:
1. REFER TO SURVEY NO. 12-048.
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

Chief by: GR
Checked by: WRM
Designed by: WRM
Dwg. No. V12-EXM-XXX-X-XXXX
Date: DD MMM YYYY

XXXXXXXXX.X-XXXXXXXX.DGN
XXXXXXXXX.X-XXXXXXXX.DGN
XXXXXXXXX.X-XXXXXXXX.DGN
XXXXXXXXX.X-XXXXXXXX.DGN
12-048-TAMPA11-SPOIT-C-HF_0-308.DGN
TAMPA 11ARBOR-C-BPMBBF.DGN
12-048-0-BS.DGN
Reference files:
12-048-VH-SH18.DGN
File name:

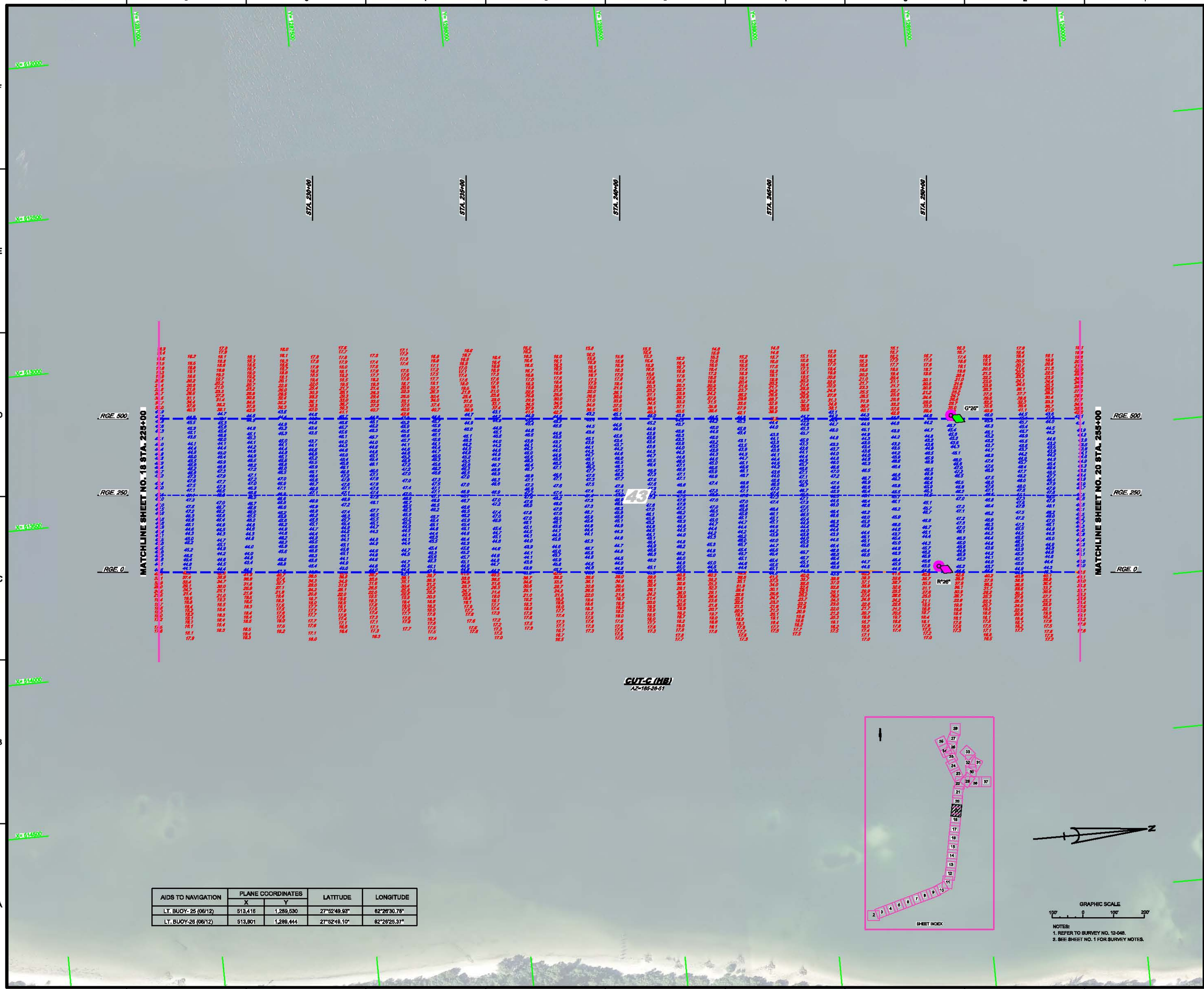
TAMPA HARBOR, FLORIDA

EXAMINATION SURVEY FY12
12, 34, 41 & 43-FOOT PROJECT
STA. 195+00 THRU STA. 225+00 CUT-C
PLAN

Scale: AS SHOWN

Drawing no.
17/36

SHEET 18 OF 54



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY- 25 (06/12)	513,416	1,289,530	27°52'49.93"	82°26'30.78"
LT. BUOY-26 (06/12)	513,901	1,289,444	27°52'49.10"	82°26'25.37"

NOTES:
1. REFER TO SURVEY NO. 12-048.
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

Checked by: GR
Drawn by: WRM
Designed by: WRM
Dwg. No. V01-E01-X-XX-X-XXXX
Date: DD MMM YYYY

XXXXXXXXX-X-XXXXXXX.DGN
XXXXXXXXX-X-XXXXXXX.DGN
XXXXXXXXX-X-XXXXXXX.DGN
12-048-1-NAV.DGN
12-048-1-GEOTECH.DGN
12-048-TAMPA11-BPOUT-C-HF_0-308.DGN
TAMPA11ARBOR-C-BPNEBF.DGN
12-048-0-BS.DGN
Reference files:
12-048-VH-BS19.DGN
File name:

TAMPA HARBOR, FLORIDA

EXAMINATION SURVEY FY12
12, 34, 41 & 43-FOOT PROJECT

STA. 225+00 THRU STA. 255+00 CUT-C

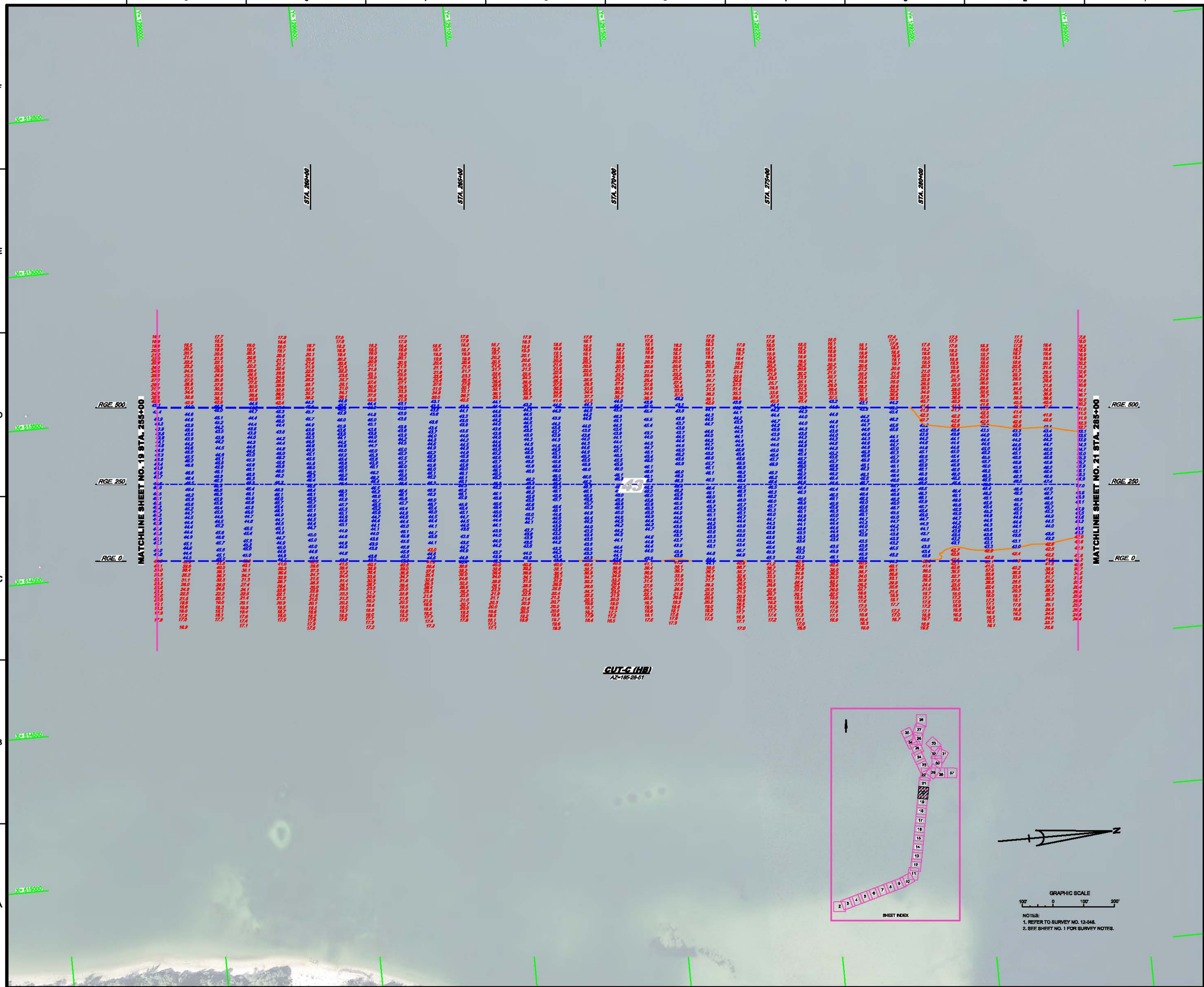
PLAN

Scale: AS SHOWN

Drawing no.

18/36

SHEET 19 OF 54



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

Checked by: GB
Drawn by: WRM
Designed by: WRM
Sur. No. W912EP-XX-X-XXXX
Dated: DD MMM YYYY

XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
12-048-TAMPA11-IPOUT-C-HF_5-308.DGN
TAMPA11ARBOR-C-SPMBBF.DGN
12-048-C-BS.DGN
Reference files:
12-048-VH-SH20.DGN
File name:

TAMPA HARBOR, FLORIDA

EXAMINATION SURVEY FY12
12, 34, 41 & 43-FOOT PROJECT

STA. 255+00 THRU STA. 285+00 CUT-C

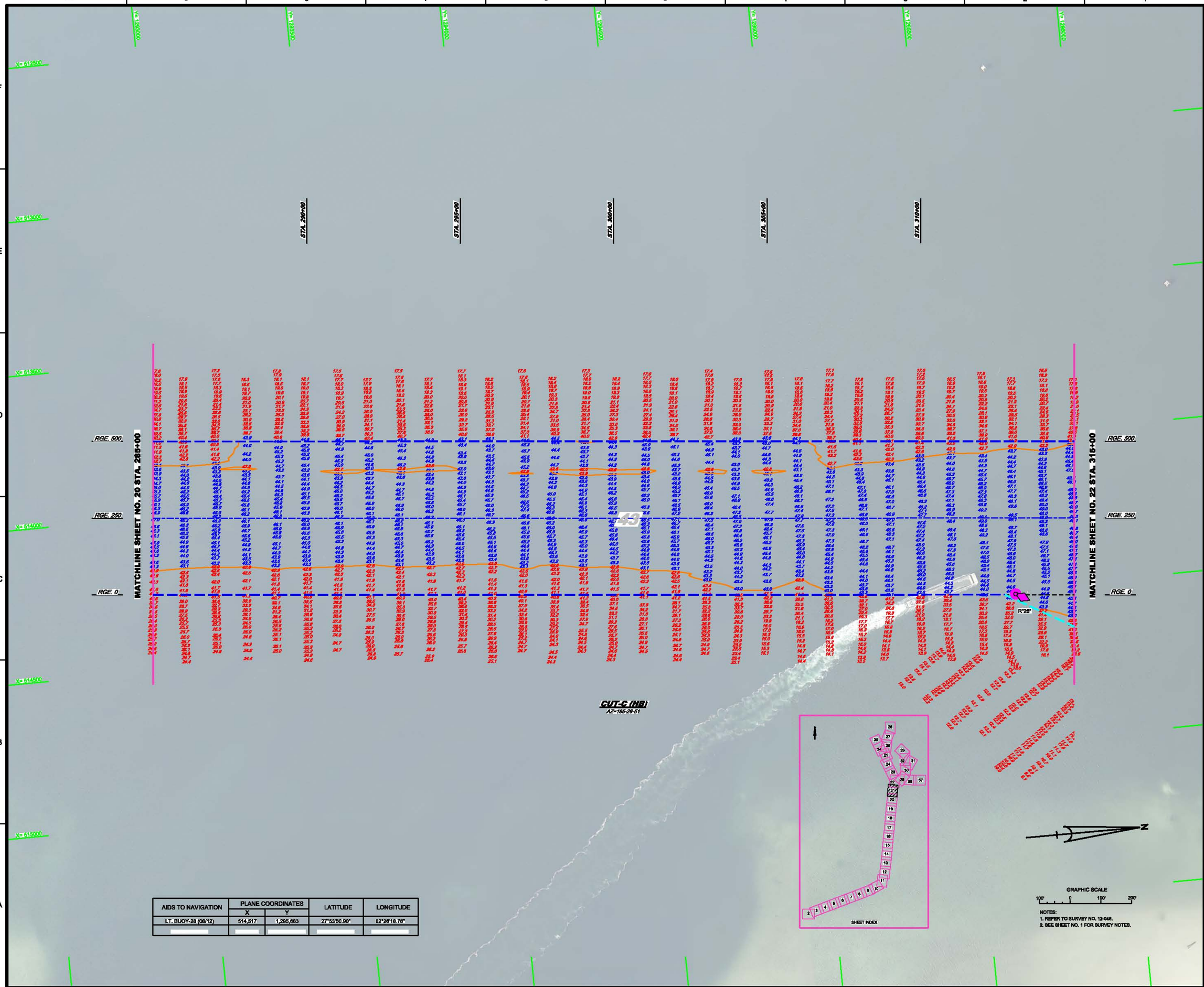
PLAN

Scale: AS SHOWN

Drawing no.

19/36

SHEET 20 OF 54



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-28 (08/12)	514,517	1,295,883	27°53'50.90"	82°26'18.76"

NOTES:
1. REFER TO SURVEY NO. 12-048.
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

Chief by: GR
Designed by: WRM
Drawn by: WRM
Rev. No.: W912EP-XX-X-XXXX
Date: DD MMM YYYY

12-048-F-NAV.DGN
12-048-V-CONV.DGN
12-048-V-SOUN_PRC_LF.DGN
12-048-V-SOUN_CTC_LF.DGN
12-048-V-SOUN_CTC_CF.DGN
12-048-TAMPA1-6PCIT-C-HF_S308.DGN
TAMPA1HARBOR-C-PMBBF.DGN
12-048-C-BS.DGN
Reference files:

12-048-VH-SR21.DGN
File name:

TAMPA HARBOR, FLORIDA

EXAMINATION SURVEY FY12
12, 34, 41 & 43-FOOT PROJECT

STA. 255+00 THRU STA. 285+00 CUT-C

PLAN

Scale: AS SHOWN

Drawing no.

20/36

SHEET 21 OF 54

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

STA. 320+00
STA. 325+00
STA. 330+00
STA. 335+00
STA. 340+00
STA. 5+00
STA. 10+00

P.I. STA. 324+97.96 CUT-C
P.I. STA. 0+00 PORT SUTTON CHANNEL

CUT-C (HB)
AZ=185-28-49

CUT-D (HB)
AZ=154-31-12

P.I. STA. 341+77.61 CUT-C
P.I. STA. 2+62.20 CUT-D

MATCHLINE SHEET NO. 21 STA. 315+00

MATCHLINE SHEET NO. 23 STA. 7+00

MATCHLINE SHEET NO. 23 STA. 15+00

RGE. 500
RGE. 250
RGE. 0
RGE. VARIES
RGE. 400
RGE. 200
RGE. 0
RGE. 400
RGE. 200
RGE. 000

PORT SUTTON CHANNEL
AZ=231-01-41

43'
41'
G"31"
R"32"
R"2"
G"1"
PILING

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-1 (06/12)	515,220	1,297,922	27°54'13.09"	82°26'11.01"
LT. BUOY-2 (06/12)	515,586	1,297,514	27°54'09.07"	82°26'06.91"
LT. BUOY-31 (06/12)	514,280	1,298,108	27°54'14.90"	82°26'21.50"
NUN BUOY-32 (06/12)	514,728	1,298,150	27°54'15.34"	82°26'16.50"

SHEET INDEX

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 12-048.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

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

Checked by: GR
Drawn by: WRM
Designed by: WRM
Dwg. No. W912EF-XX-XX-XXXX
Dated: DD MMM YYYY

12-048-V-CHAN2.DGN
12-048-V-CONN1.DGN
12-048-V-MAN1.DGN
12-048-V-SOUN_PRO_LF.DGN
12-048-V-SOUN_STD_LF.DGN
12-048-V-SOUN_CTD_LF.DGN
TAMPA HARBOR-C-GPNSBF.DGN
12-048-C-BS.DGN
Reference files:
12-048-VH-BR22.DGN
File name:

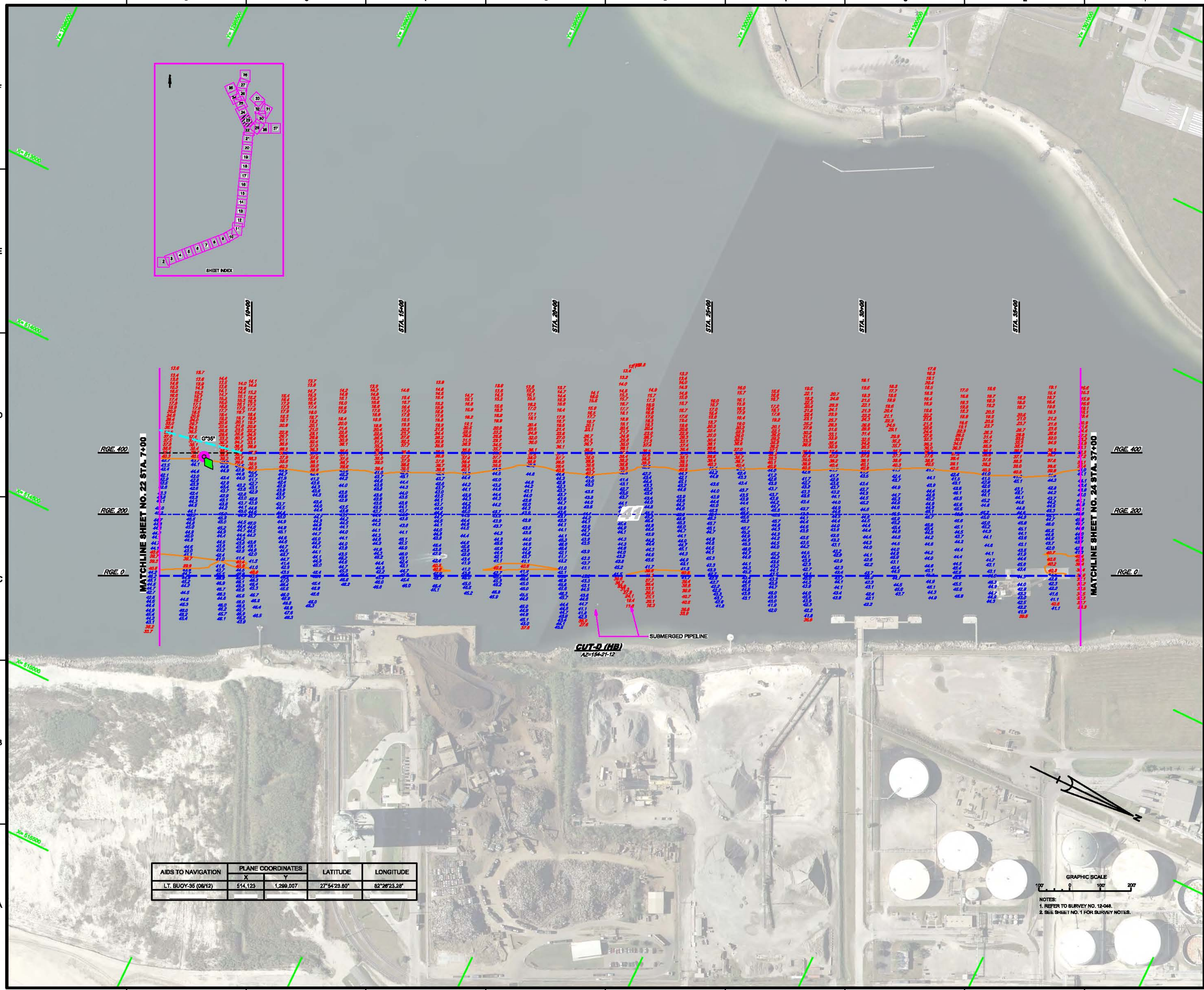
TAMPA HARBOR, FLORIDA

EXAMINATION SURVEY FY12
12, 34, 41 & 43-FOOT PROJECT
STA. 315+00 CUT-C THRU STA. 7+00 CUT-D AND
STA. 0+00 THRU STA. 15+00 PORT SUTTON CHANNEL
PLAN

Scale: AS SHOWN

Drawing no.
21/36

SHEET 22 OF 54



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-35 (06/12)	514,123	1,299,007	27°54'23.80"	82°26'23.28"

NOTES:
1. REFER TO SURVEY NO. 12-048.
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

Chief by: GR
Drawn by: WRM
Des. No. W912EP-XX-X-XXXX
Date: DD MMM YYYY

Designed by: WRM

XXXXXXXXX-X-XXXXXX.DGN
XXXXXXXXX-X-XXXXXXX.DGN
XXXXXXXXX-X-XXXXXXX.DGN
12-048-Y-COM1.DGN
12-048-Y-ALL_CTD.DGN
12-048-Y-SOUN_CTD_LF.DGN
TAMPA HARBOR-D-BPMODF.DGN
12-048-C-BS.DGN

Reference files:
12-048-VH-RS23.DGN

File name:

TAMPA HARBOR, FLORIDA

EXAMINATION SURVEY FY12
12, 34, 41 & 43-FOOT PROJECT

STA. 7+00 THRU STA. 37+00 CUT-D (HB)

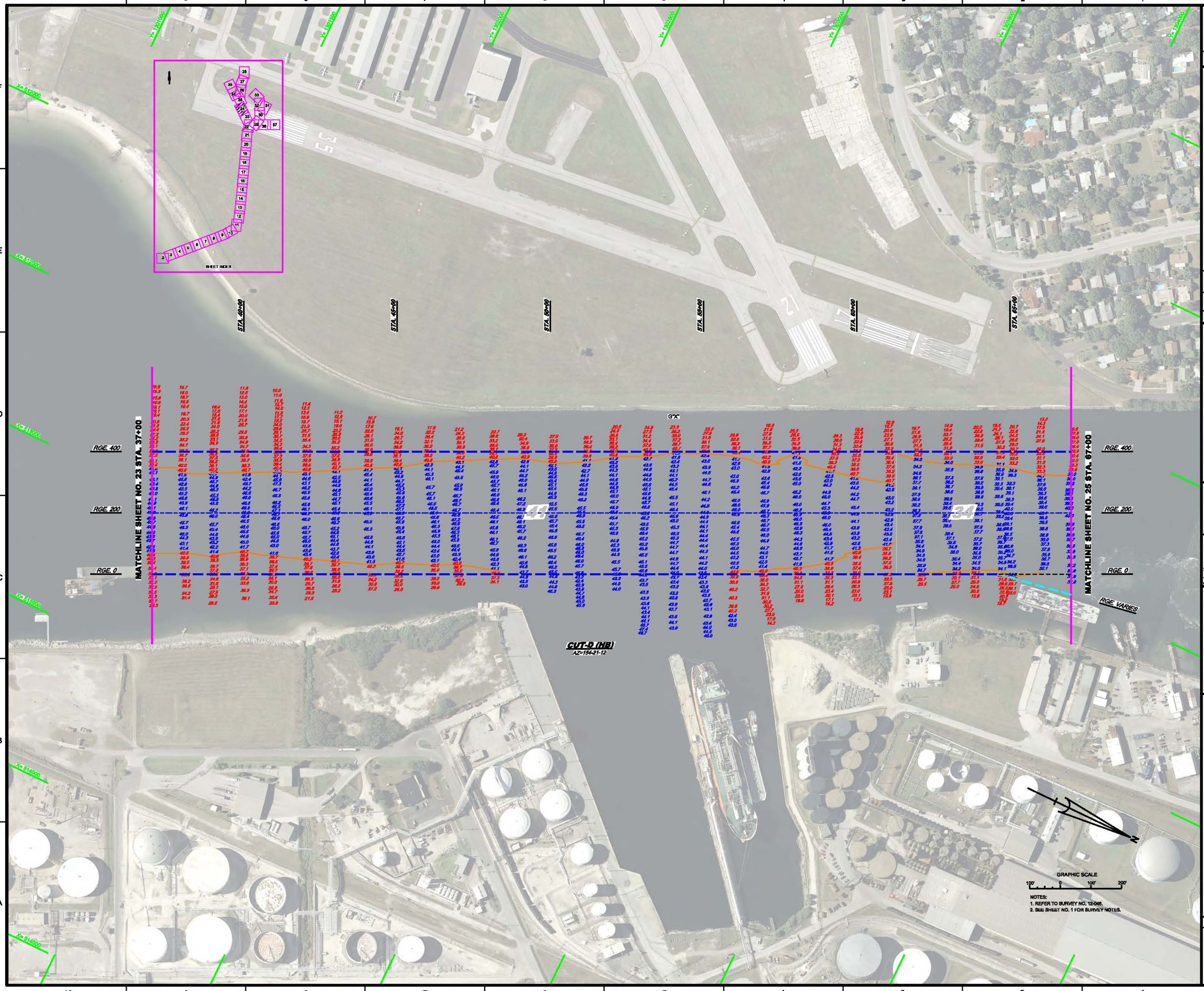
PLAN

Scale: AS SHOWN

Drawing no.

22/36

SHEET 23 OF 54



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
Rev. No. W912EP-XX-X-XXXX
Date: DD MMM YYYY

TAMPA HARBOR, FLORIDA

EXAMINATION SURVEY FY12
12, 34, 41 & 43-FOOT PROJECT

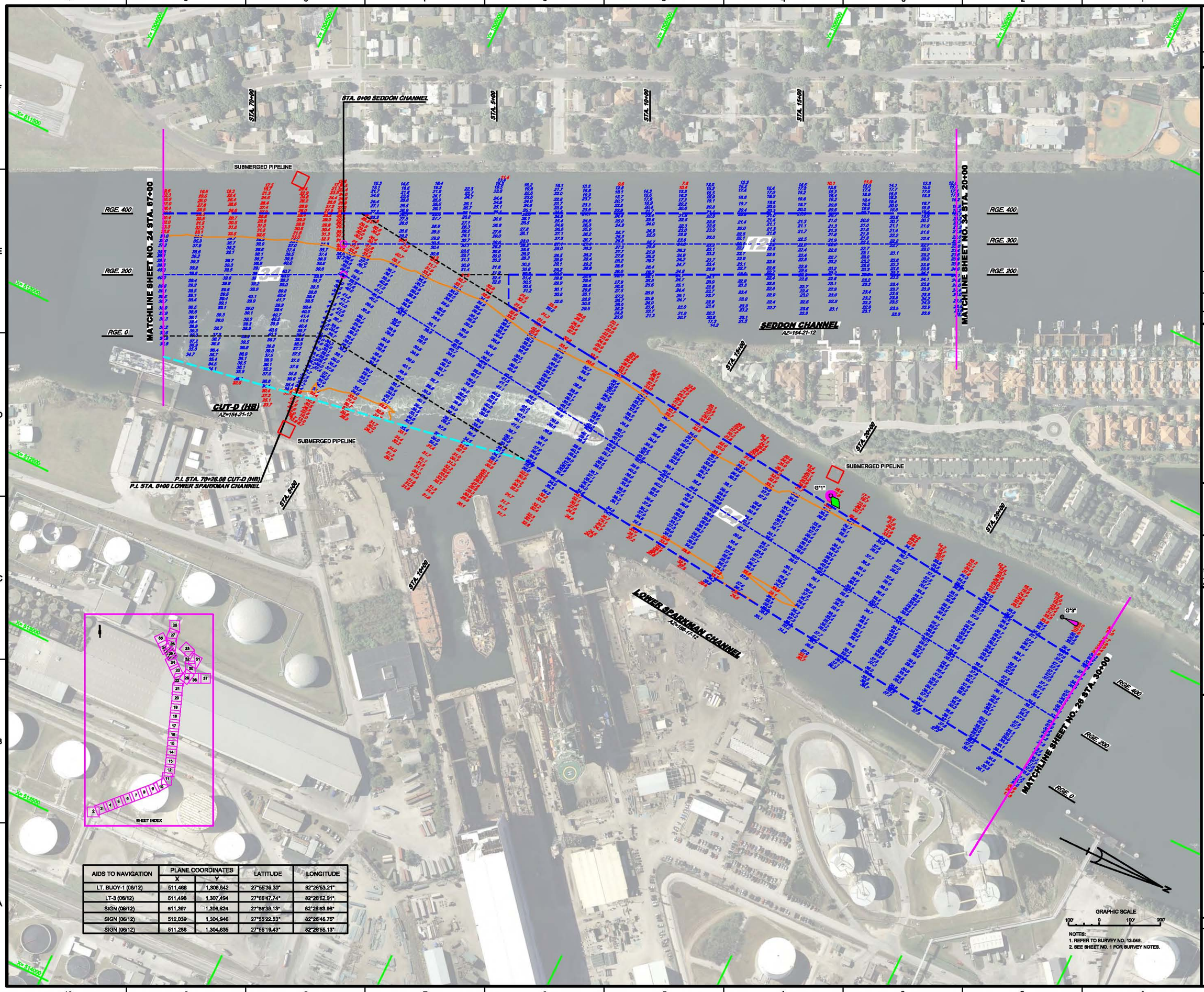
STA. 37+00 THRU STA. 67+00 CUT-D (HB)

PLAN

Scale: AS SHOWN

Drawing no.
23/36

SHEET 24 OF 54



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-1 (08/12)	511,466	1,306,842	27°55'39.30"	82°26'53.21"
LT-3 (08/12)	511,496	1,307,494	27°55'47.74"	82°26'52.91"
SIGN (08/12)	511,397	1,308,824	27°55'39.13"	82°26'53.96"
SIGN (08/12)	512,039	1,304,946	27°55'22.53"	82°26'46.75"
SIGN (08/12)	511,286	1,304,635	27°55'19.43"	82°26'55.13"

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-5 (06/12)	511,663	1,308,822	27°56'00.90"	82°26'51.10"
LT-7 (06/12)	511,934	1,309,584	27°56'08.46"	82°26'48.11"

NOTES:
1. REFER TO SURVEY NO. 12-048.
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

Checked by: GR
Drawn by: WRM
Covered by: WRM
Est. No. W912ER-XX-A-XXXX
Dated: DD MMM YYYY

XXXXXXXX_A-XXXXXXX.DGN
XXXXXXXX_A-XXXXXXX.DGN
12-048-V-CONSA.DGN
12-048-V-NAV.DGN
12-048-V-SOUN_UP_1F.DGN
12-048-V-SOUN_LIP_1F.DGN
TAMPA HARBOR-O-APWCCF.DGN
12-048-C-BS.DGN
Reference files:
12-048-VH-BR28.DGN
File name:

TAMPA HARBOR, FLORIDA

EXAMINATION SURVEY FY12
12, 34, 41 & 43-FOOT PROJECT

STA. 30+00 LOWER SPARKMAN CHANNEL THRU
STA. 57+00 UPPER SPARKMAN CHANNEL

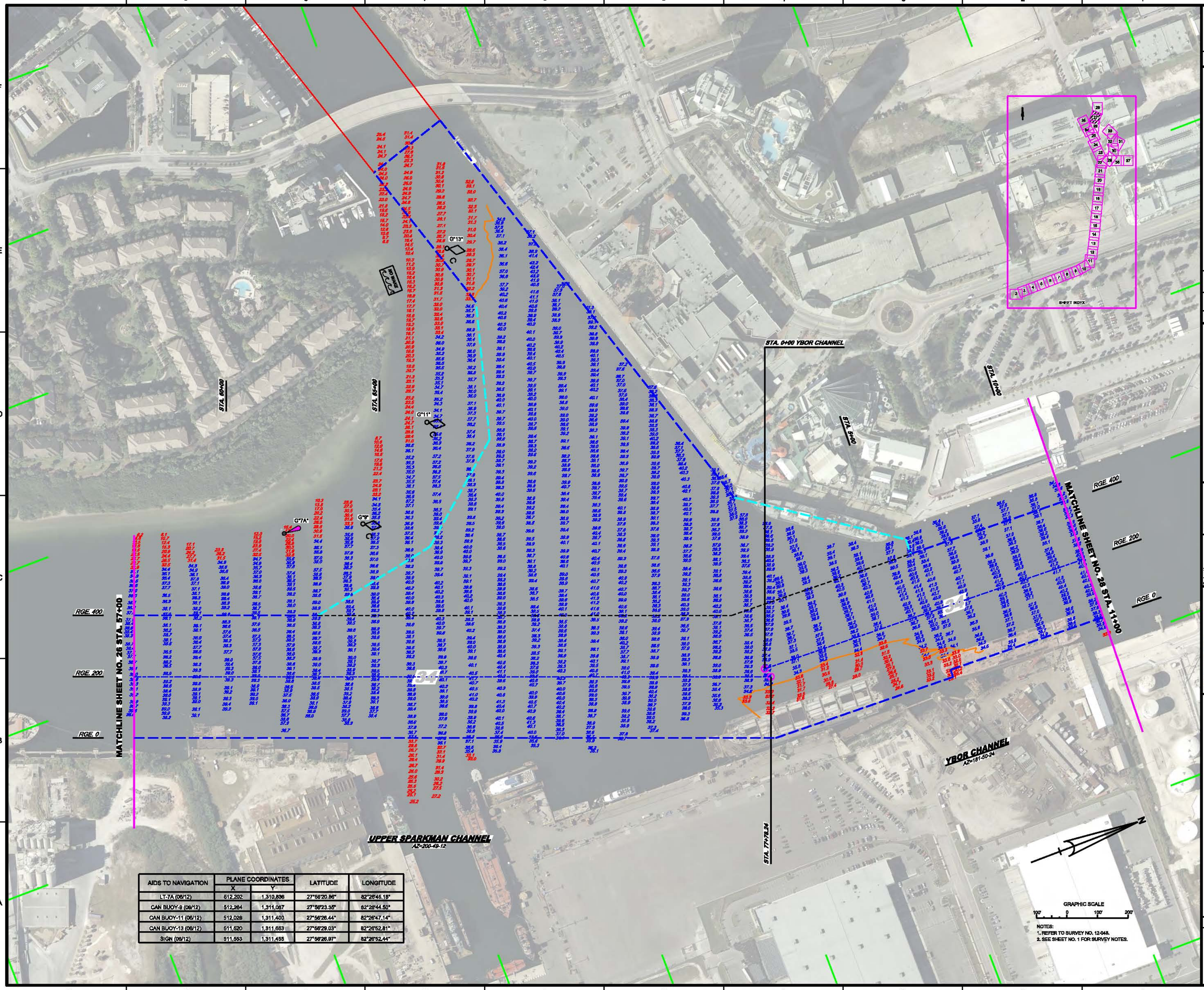
PLAN

Scale: AS SHOWN

Drawing no.

25/36

SHEET 26 OF 54



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-7A (06/12)	512,202	1,310,836	27°56'20.86"	82°26'45.18"
CAN BUOY-9 (06/12)	512,264	1,311,087	27°56'23.35"	82°26'44.50"
CAN BUOY-11 (06/12)	512,028	1,311,400	27°56'26.44"	82°26'47.14"
CAN BUOY-13 (06/12)	511,520	1,311,663	27°56'29.03"	82°26'52.81"
SIGN (06/12)	511,553	1,311,455	27°56'26.97"	82°26'52.44"

NOTES:
1. REFER TO SURVEY NO. 12-048.
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
Drawn by: WRM
Checked by: GR
Dwg. No. W912BP-XX-X-XXXX
Dated: DD MMM YYYY

XXXXXXXX-X-XXXXXXX.DGN
XXXXXXXX-X-XXXXXXX.DGN
12-048-V-CONSL.DGN
12-048-V-NAV.DGN
12-048-V-SOUN_TIS_LP.DGN
12-048-V-SOUN_TIS_LF.DGN
TAMPA HARBOR-C-SPMCOF.DGN
12-048-C-BM.DGN
12-048-V-H-BR27.DGN
Reference files:
File name:

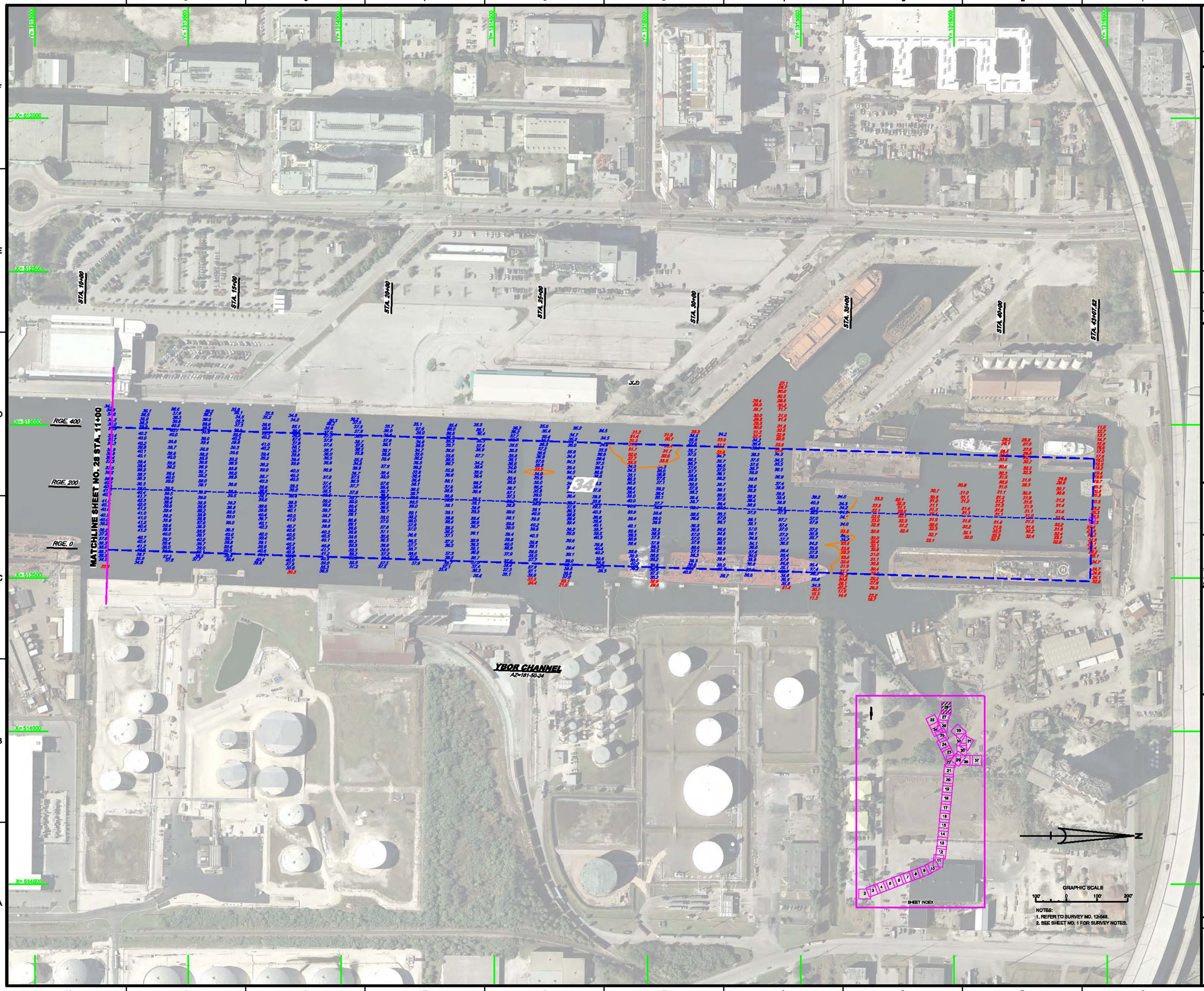
TAMPA HARBOR, FLORIDA

EXAMINATION SURVEY FY12
12, 34, 41 & 43-FOOT PROJECT
STA. 57+00 UPPER SPARKMAN CHANNEL THRU
STA. 11+00 YBOR CHANNEL
PLAN

Scale: AS SHOWN

Drawing no.
26/36

SHEET 27 OF 54



US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Date

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

Checked by: GR
Drawn by: WRM
Designed by: WRM
Dwg. No. W912BR-XX-X-XXXX
Date: DD MMM YYYY

XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
12-048-V-SQUIL_TSL_LF.DGN
TAMPA HARBOR-C-GPNCCF.DGN
12-048-C-BIS.DGN
Reference files:
12-048-VH-B128.DGN
File name:

TAMPA HARBOR, FLORIDA

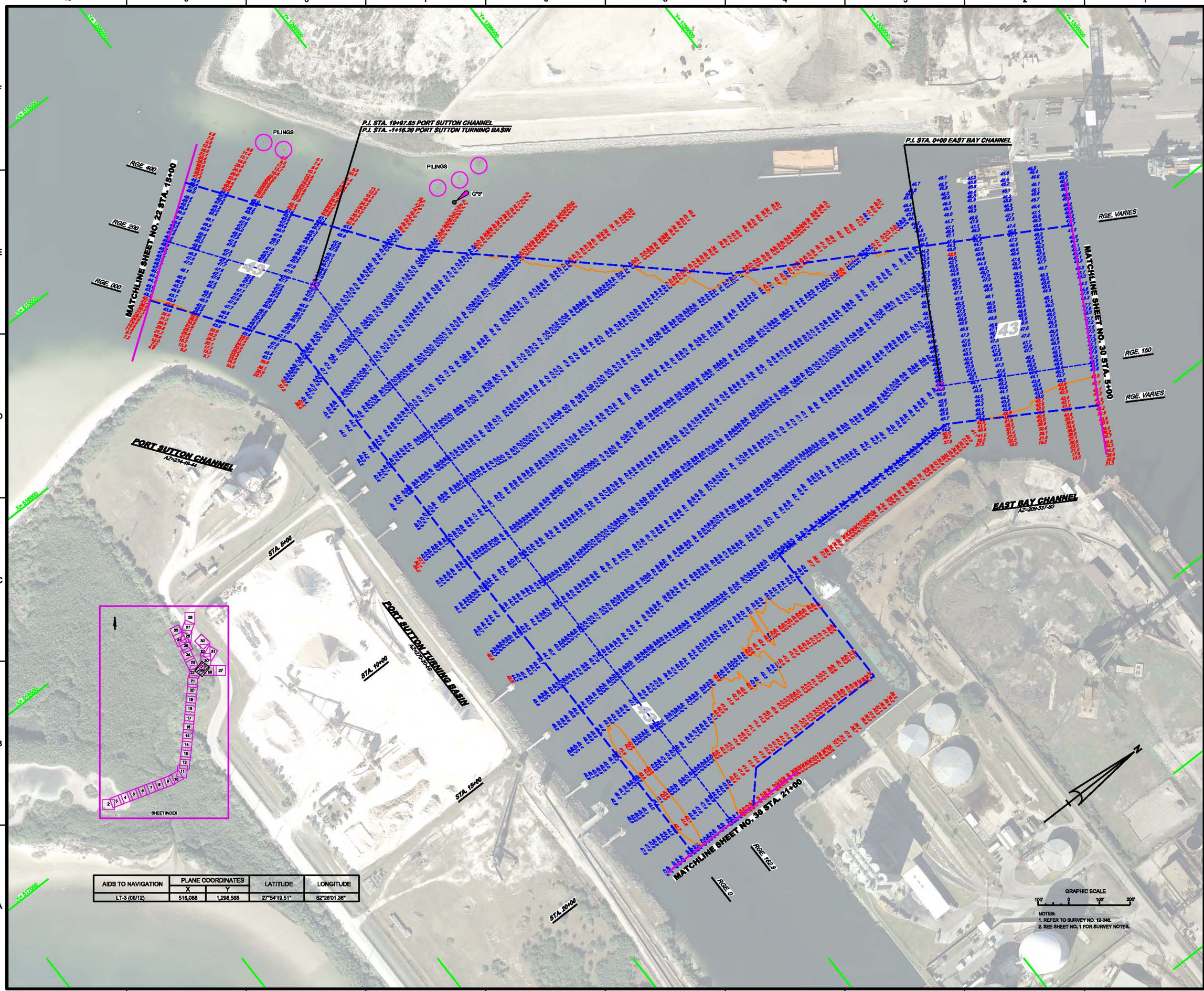
EXAMINATION SURVEY FY12
12, 34, 41 & 43-FOOT PROJECT
STA. 11+00 THRU STA. 43+07.82 YBOR CHANNEL

PLAN

Scale: AS SHOWN

Drawing no.
27/36

SHEET 28 OF 54



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-3 (06/12)	516,088	1,298,568	27°54'19.51"	82°28'01.36"

NOTES:
1. REFER TO SURVEY NO. 12-048.
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: GR
Sv. No. W912BP-XX-X-XXXX
Date: DD MMM YYYY

12-048-X-CONNS.DGN
12-048-X-CONNS_PSTR.DGN
12-048-X-SOUN_ESC_LF.DGN
12-048-X-SOUN_PSTR_LF.DGN
12-048-X-SOUN_PSTR.DGN
12-048-X-SOUN_PRC_LF.DGN
TAMPA HARBOR-C-SPMBSP.DGN
12-048-C-SBS.DGN
Reference files:
12-048-VH-6828.DGN
File name:

TAMPA HARBOR, FLORIDA

EXAMINATION SURVEY FY12
12, 34, 41 & 43-FOOT PROJECT

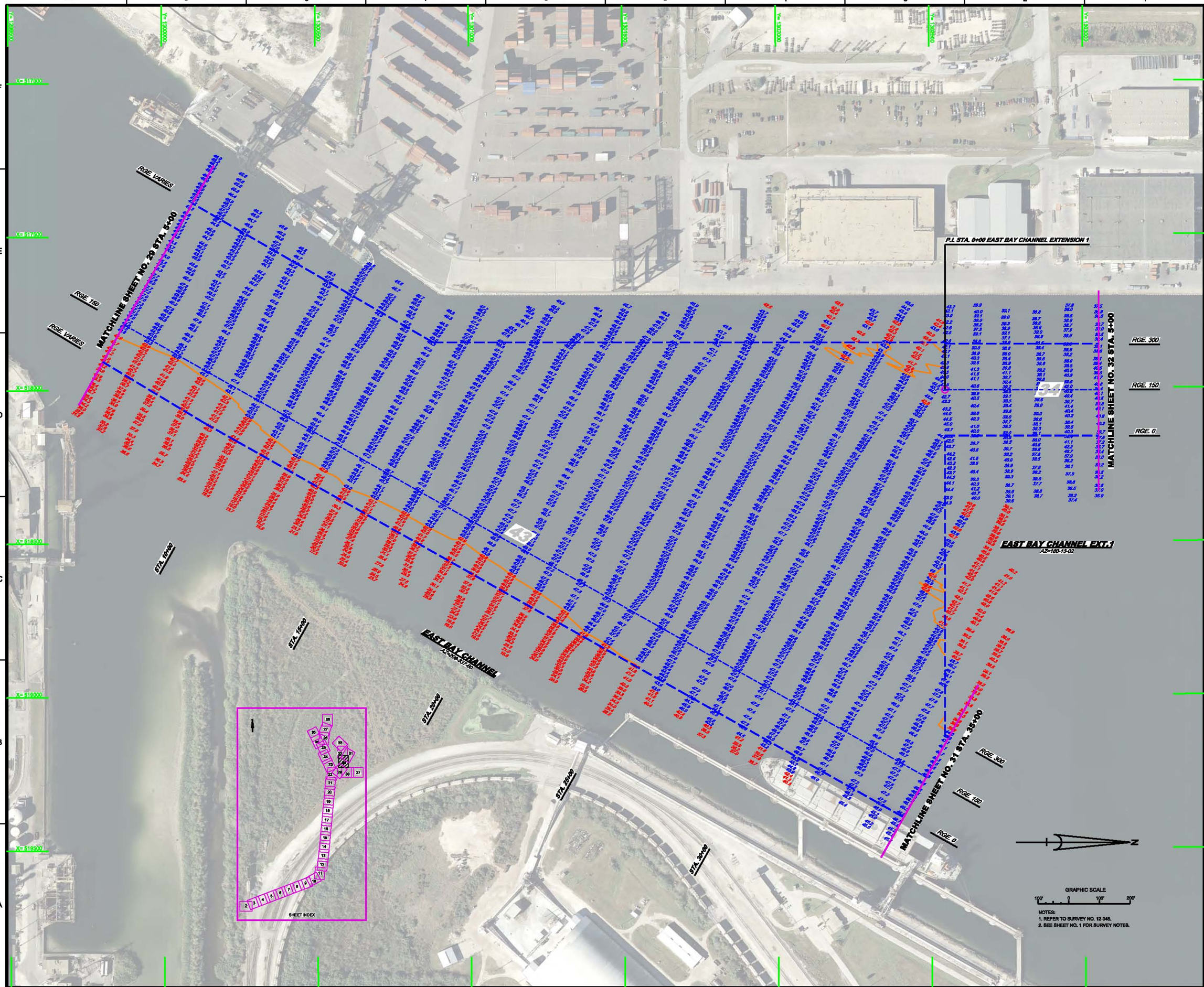
STA. 15+00 PORT SUTTON CHANNEL THRU STA. 21+00 PORT SUTTON TURNING BASIN
AND STA. 0+00 THRU STA. 5+00 EAST BAY CHANNEL

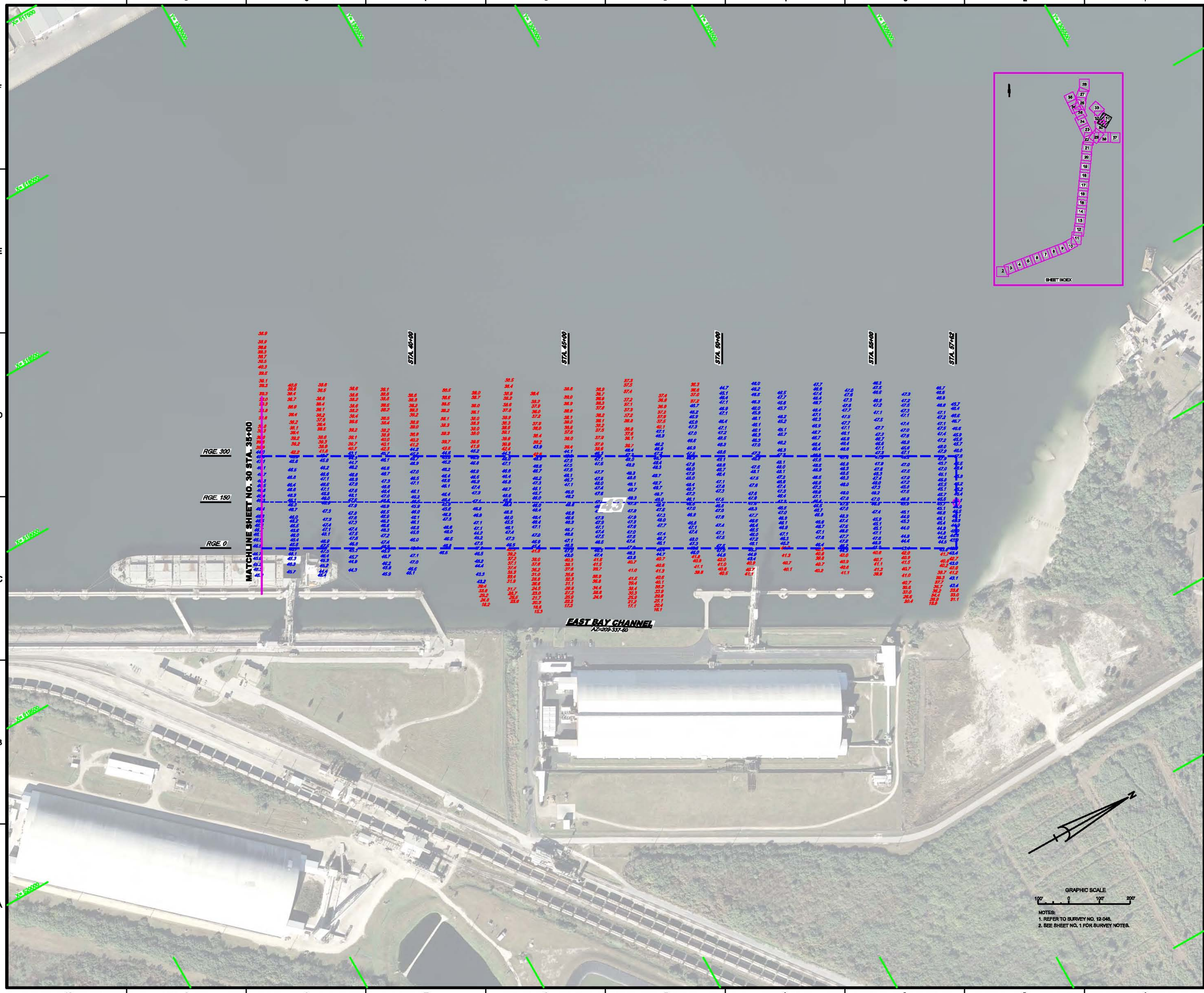
PLAN

Scale: AS SHOWN

Drawing no.
28/36

SHEET 29 OF 54


MATCHLINE SHEET NO. 29 STA. 5+00
RGE. VARIES
RGE. 150
RGE. VARIES
P.I. STA. 0+00 EAST BAY CHANNEL EXTENSION 1
RGE. 300
RGE. 150
RGE. 0
MATCHLINE SHEET NO. 32 STA. 5+00
EAST BAY CHANNEL EXT.1
AZ=160-13-02
EAST BAY CHANNEL
AZ=248-37-50
STA. 10+00
STA. 15+00
STA. 20+00
STA. 25+00
STA. 30+00
MATCHLINE SHEET NO. 31 STA. 35+00
RGE. 300
RGE. 150
RGE. 0
SHEET INDEX
GRAPHIC SCALE
100' 0 100' 200'
NOTES:
1. REFER TO SURVEY NO. 12-046.
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
TAMPA HARBOR, FLORIDA
EXAMINATION SURVEY FY12
12, 34, 41 & 43-FOOT PROJECT
STA. 5+00 THRU STA. 35+00 EAST BAY CHANNEL AND
STA. 0+00 THRU STA. 5+00 EAST BAY CHANNEL EXTENSION 1
PLAN
Scale: AS SHOWN
Drawing no.
29/36
SHEET 30 OF 54



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
Cover by: WRM
Chk by: GR
Sur. No. W912EP-XX-X-XXXX
Dwnd: DD MMM YYYY

XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
12-046-A-SOUN_DBA_F.DGN
TAMPA HARBOR-C-SPMBERF.DGN
30-046-C-BS.DGN
Reference files:
12-046-VH-SHS1.DGN
File name:

TAMPA HARBOR, FLORIDA

EXAMINATION SURVEY FY12
12, 34, 41 & 43-FOOT PROJECT

STA. 35+00 THRU STA. 57+62 EAST BAY CHANNEL

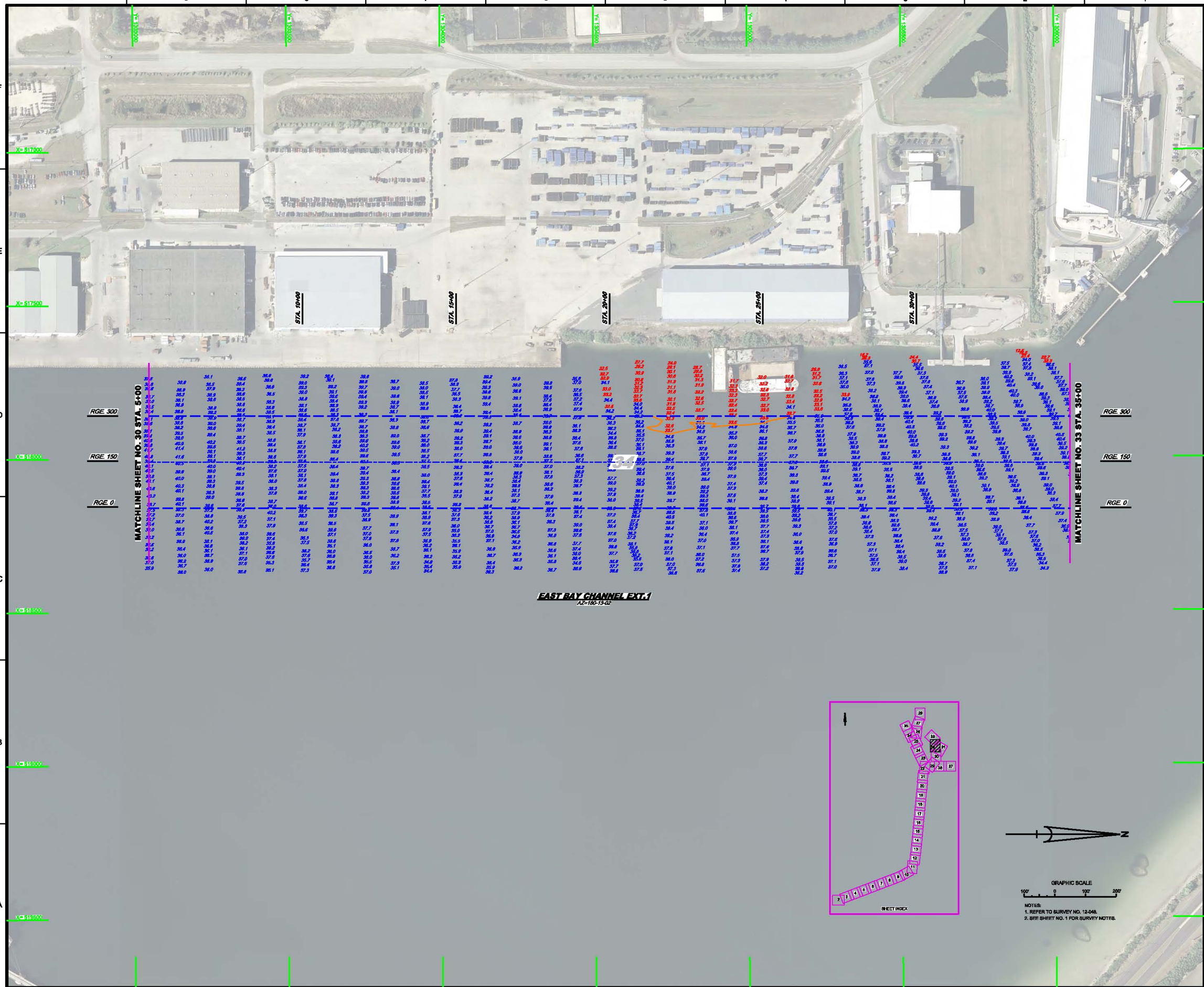
PLAN

Scale: AS SHOWN

Drawing no.

30/36

SHEET 31 OF 54



US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Date

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

Designed by: WRM
Drawn by: WRM
Checked by: GR
Dwg. No. WP/JBER-XX/A-XXXX
Dated: DD MMM YYYY

XXXXXXXX/A-XXXXXLD.DGN
XXXXXXXX/A-XXXXXLD.DGN
XXXXXXXX/A-XXXXXLD.DGN
XXXXXXXX/A-XXXXXLD.DGN
12-048-A-SOUN_EB1_LF.DGN
TAMPA HARBOR-C-SPHERE.DGN
12-048-C-BS.DGN
Reference files:
12-048 VH-BRSEDGN
File name:

TAMPA HARBOR, FLORIDA

EXAMINATION SURVEY FY12
12, 34, 41 & 43-FOOT PROJECT

STA. 5+00 THRU STA. 35+00 EAST BAY CHANNEL EXT. 1

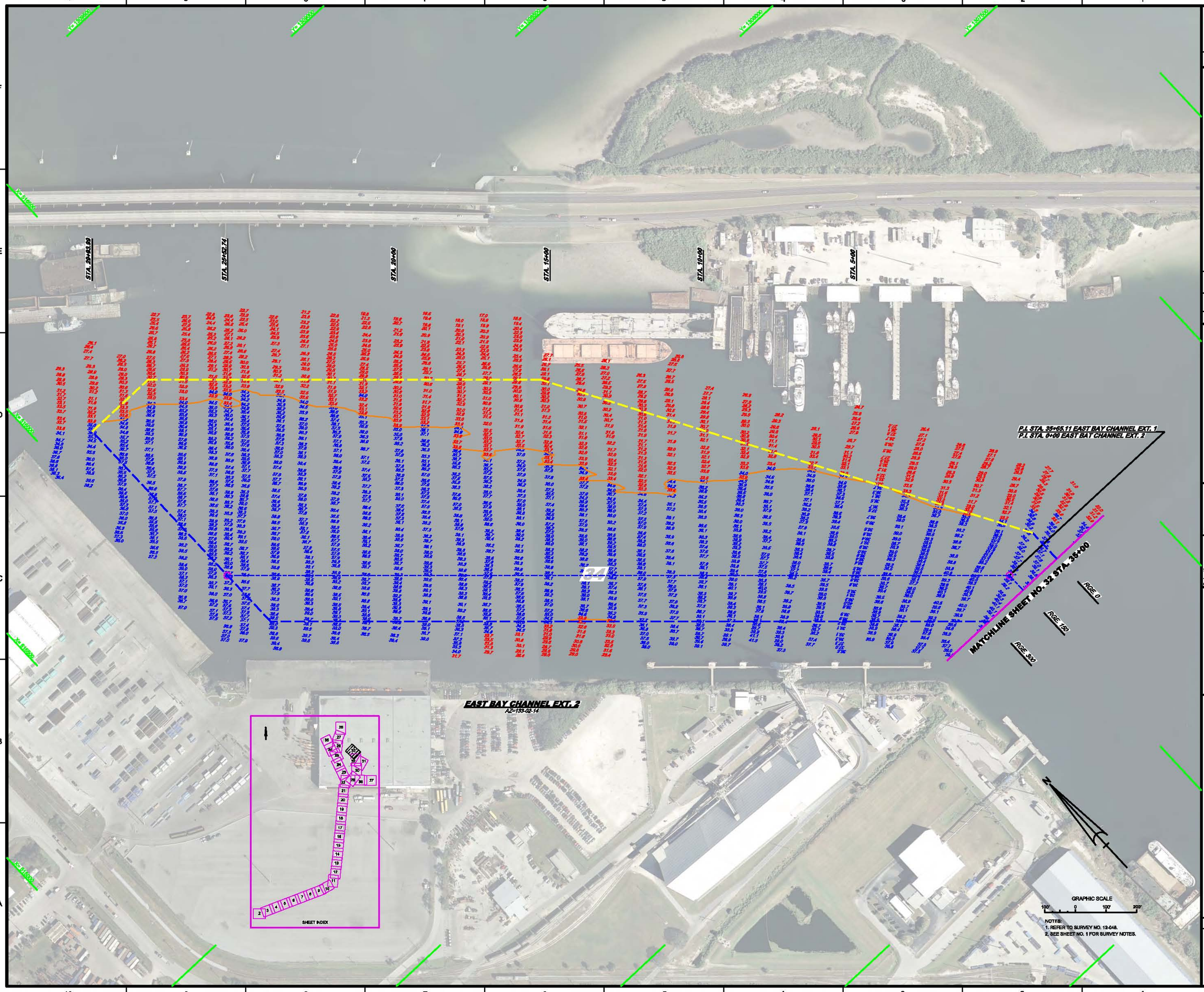
PLAN

Scale: AS SHOWN

Drawing no.

31/36

SHEET 32 OF 54



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

Date by: GR
Drawn by: WRM
Designed by: WRM
Dwg. No. W912EP-XX-X-XXXX
Dated: DD MMM YYYY

XXXXXXXXX-X-XXXXXX.DGN
XXXXXXXXX-X-XXXXXX.DGN
12-048-V-CONN.DGN
12-048-V-SOUN_LF.DGN
12-048-V-SOUN_EBX_LF.DGN
TAMPA HARBOR-C-RPHBF.DGN
12-048-C-BS.DGN
Reference files:
12-048-V-HHBSD.DGN
File name:

TAMPA HARBOR, FLORIDA

EXAMINATION SURVEY FY12
12, 34, 41 & 43-FOOT PROJECT

STA. 35+00 EAST BAY CHANNEL EXT. 1 THRU
STA. 29+93.99 EAST BAY CHANNEL EXT. 2

PLAN

Scale: AS SHOWN

Drawing no.

32/36

SHEET 33 OF 54

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

STA. 25+00
STA. 30+00
STA. 35+00
STA. 40+00
STA. 45+00

RGE 400
RGE 300
RGE 200

MATCHLINE SHEET NO. 25 STA. 20+00

MATCHLINE SHEET NO. 35 STA. 50+00

SEDDON CHANNEL
AZ=154-21-12

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
SIGN (06/12)	509,580	1,308,216	27°55'54.82"	82°27'14.52"
SIGN (06/12)	509,959	1,308,442	27°55'57.08"	82°27'10.08"
SIGN (06/12)	510,437	1,307,398	27°55'46.75"	82°27'04.71"
SIGN (06/12)	510,081	1,307,191	27°55'44.69"	82°27'08.89"
SIGN (06/12)	509,084	1,309,224	27°56'04.78"	82°27'19.87"

SHEET INDEX

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 12-046.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

No. Symbol Zone

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

Designed by: WRM
Drawn by: WRM
Checked by: GR
Div. No. W912SP-XX-X-XXXX
Date: DD MMM YYYY

XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
12-046-V-SOUN_BED_LP.DGN
TAMPA HARBOR-C-GPMCCF.DGN
12-046-2-BS.DGN
Reference files
12-046-V1-BS34.DGN
File name:

TAMPA HARBOR, FLORIDA

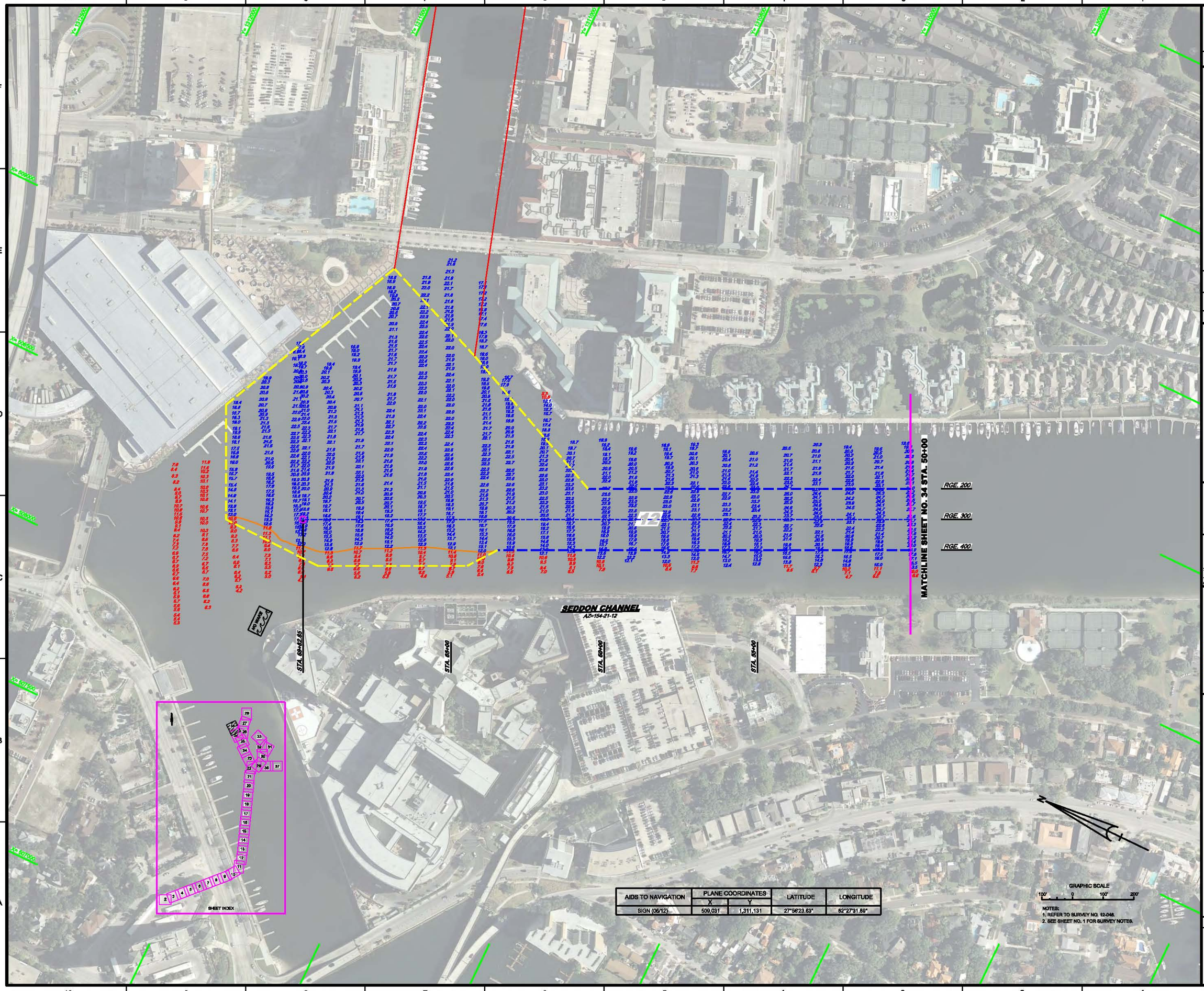
EXAMINATION SURVEY FY12
12, 34, 41 & 43-FOOT PROJECT
STA. 20+00 THRU STA. 50+00 SEDDON CHANNEL

PLAN

Scale: AS SHOWN

Drawing no.
33/36

SHEET 34 OF 54



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
SIGN (06/12)	509,031	1,311,131	27°56'23.63"	82°27'31.69"

NOTES:
1. REFER TO SURVEY NO. 12-048.
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
Drawn by: WRM
Checked by: GR
Div. No.: W912EP-XX-X-XXXX
Date: DD MMM YYYY

XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
12-048-1-CONTO.DGN
12-048-1-MAIN_BED_LF.DGN
12-048-1-SOUN_BED_LF.DGN
TAMPA HARBOR-C-SPMCOF.DGN
10-048-0-BS.DGN
Reference files:
12-048-VH-SHSR.DGN
File name:

TAMPA HARBOR, FLORIDA

EXAMINATION SURVEY FY12
12, 34, 41 & 43-FOOT PROJECT

STA. 50+00 THRU STA. 68+82.85 SEDDON CHANNEL

PLAN

Scale: AS SHOWN

Drawing no.

34/36

SHEET 35 OF 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
Drawn by: WRM
Checked by: GK
Div. No. W912BSR-XX-X-XXXX
Date: DD MMM YYYY

XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
12-048-X-SOUN_PS10_LF.DGN
TAMPA HARBOR-C-BPMSBF.DGN
12-048-F-SB5.DGN
Reference files:
12-048-VH-SB36.DGN
File name:

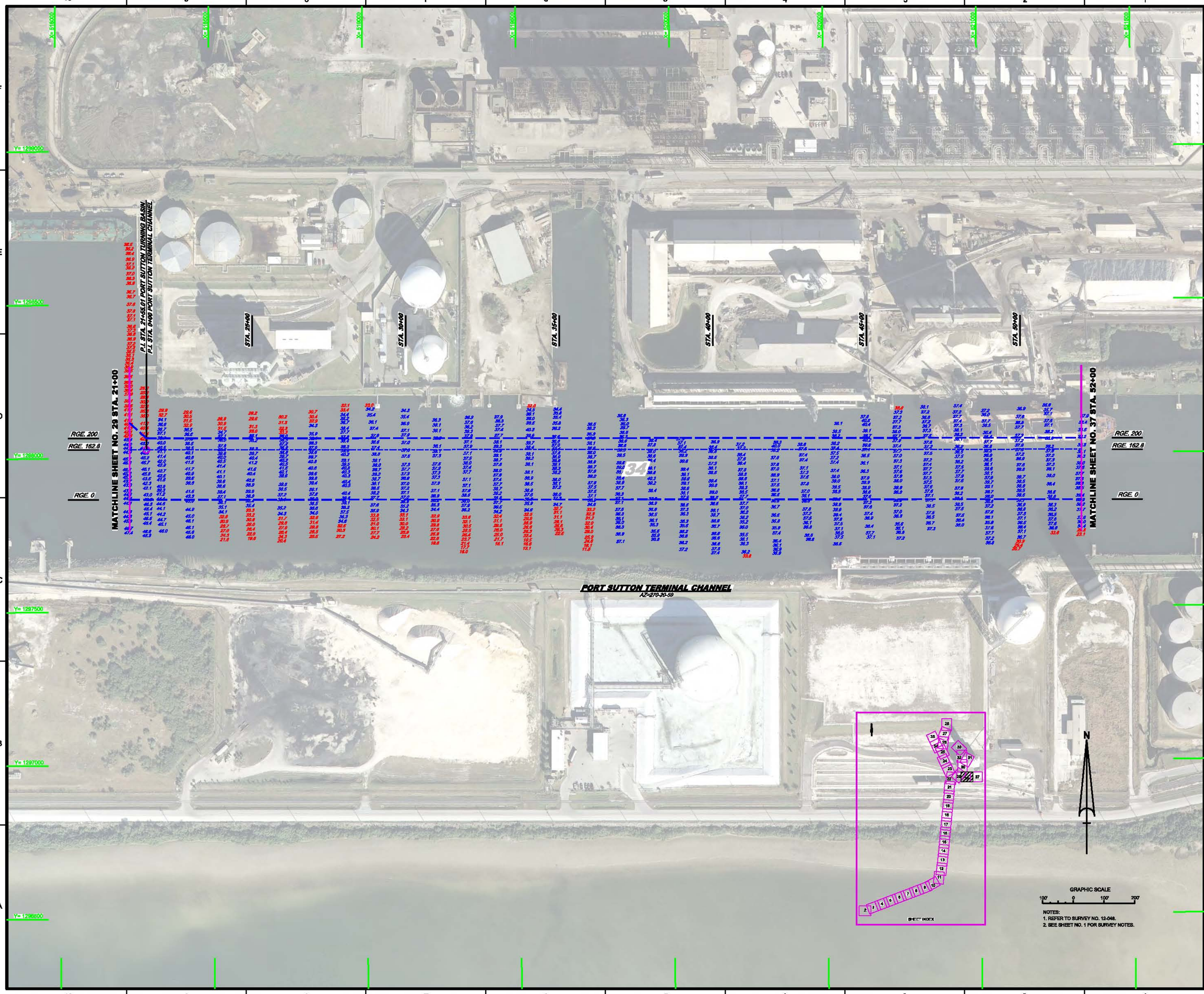
TAMPA HARBOR, FLORIDA

EXAMINATION SURVEY FY12
12, 34, 41 & 43-FOOT PROJECT
STA. 21+00 PORT SUTTON TURNING BASIN THRU
STA. 51+00 PORT SUTTON TERMINAL CHANNEL
PLAN

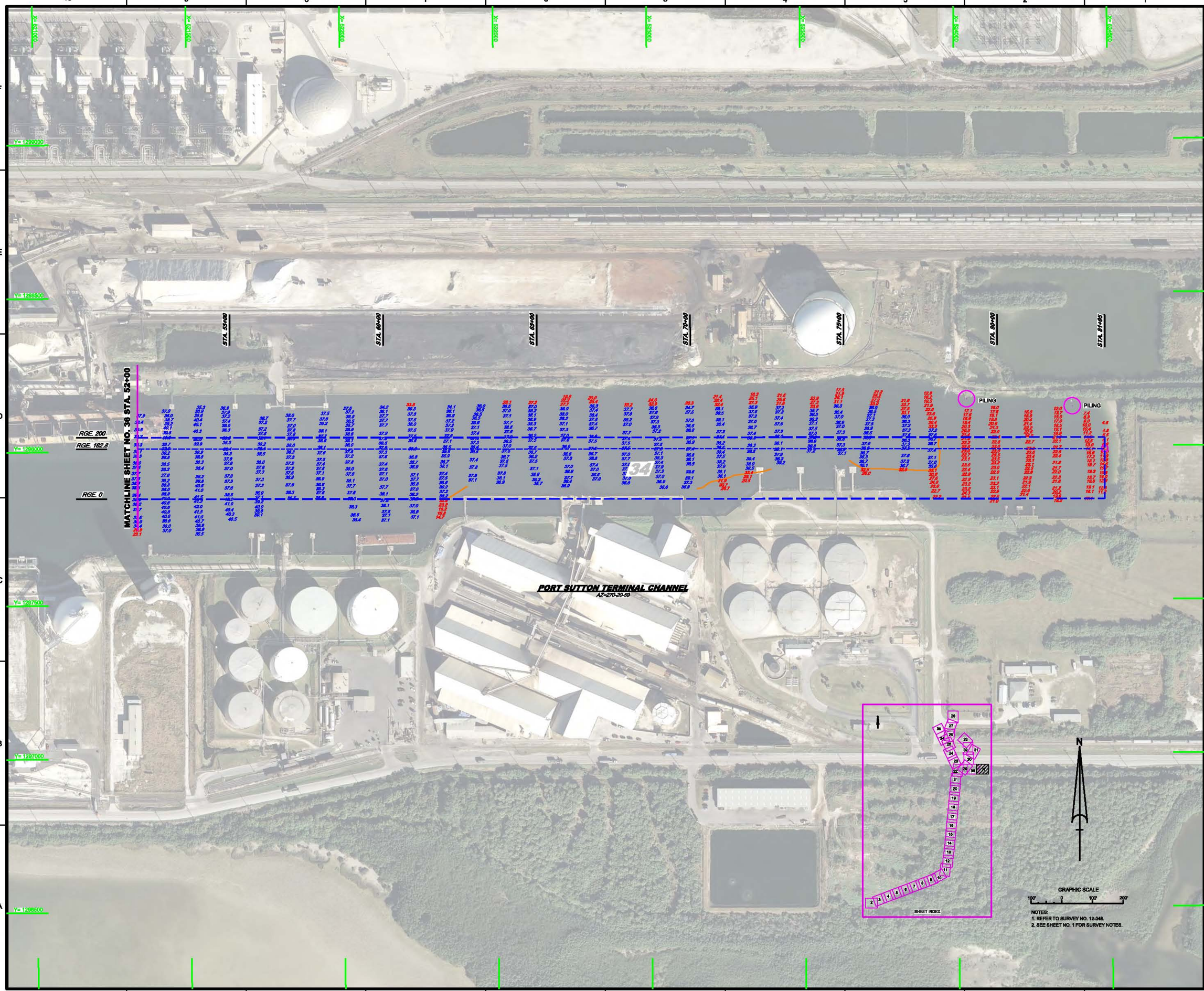
Scale: AS SHOWN

Drawing no.
35/36

SHEET 36 OF 54



NOTES:
1. REFER TO SURVEY NO. 12-048.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.



NOTES:
1. REFER TO SURVEY NO. 12-048.
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: GR
Div. No. W912BP-XX-X-XXXX
Date: DD MMM YYYY

XXXXXXXX.K-XXXXXX.DGN
XXXXXXXX.K-XXXXXX.DGN
XXXXXXXX.K-XXXXXX.DGN
12-048-A-SOUN_PSTD_LF.DGN
TAMPA HARBOR-C-BPMSBP.DGN
12-048-C-BS.DGN
Reference files:
12-048-VH-6137.DGN
File name:

TAMPA HARBOR, FLORIDA

EXAMINATION SURVEY FY12
12, 34, 41 & 43-FOOT PROJECT
STA. 21+00 PORT SUTTON TURNING BASIN THRU
STA. 81+00 PORT SUTTON TERMINAL CHANNEL
PLAN

Scale: AS SHOWN

Drawing no.
36/36

SHEET 37 OF 54