

SURVEY NOTES:

1. REFER TO SURVEY NO. 13-085.
2. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO NOAA'S REPORTED MEAN LOWER LOW WATER (MLLW) OF THE 1983-2001 TIDAL EPOCH.
3. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGN.
4. TIDAL REDUCTIONS WERE OBTAINED UTILIZING REAL-TIME KINEMATIC GPS AND REFERENCED TO MLLW USING A KINEMATIC TIDE DATUM MODEL (SPC-FL-WEST-2010-12-07.KTD).
5. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION, NAD83, ZONE 18 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. SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC GPS POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATION:

REFERENCE BASE LOCATED FROM "TH-89 USE" (PID: AG0988)

VERTICAL MEASUREMENTS WERE MADE USING A R2 SONIC 2024 TRANSDUCER.
ALL SOUNDINGS SHOWN ARE REPORTED IN HIGH FREQUENCY.

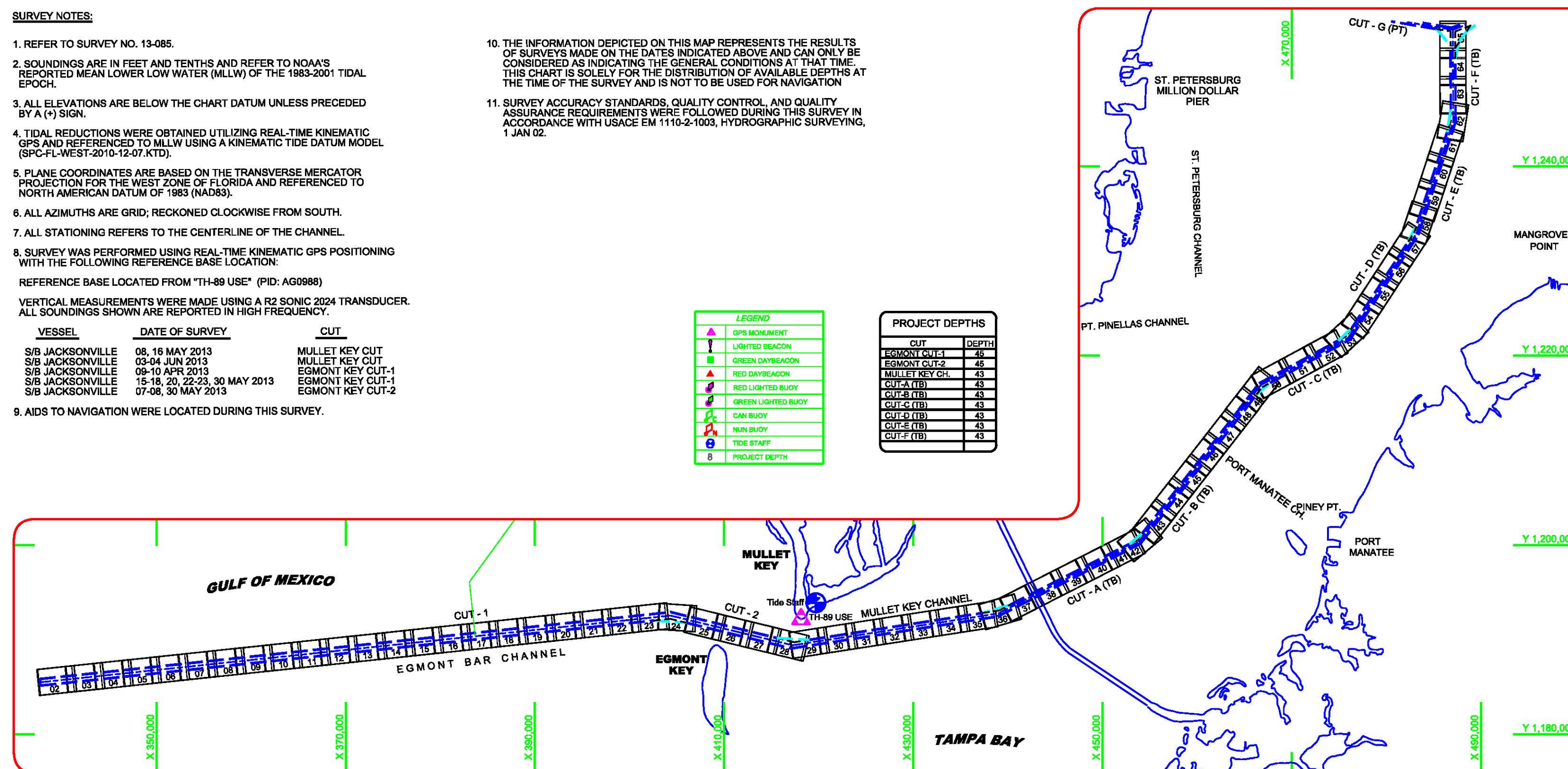
<u>VESSEL</u>	<u>DATE OF SURVEY</u>	<u>CUT</u>
S/B JACKSONVILLE	08, 16 MAY 2013	MULLET KEY CUT
S/B JACKSONVILLE	03-04 JUN 2013	MULLET KEY CUT
S/B JACKSONVILLE	09-10 APR 2013	EGMONT KEY CUT-1
S/B JACKSONVILLE	15-18, 20, 22-23, 30 MAY 2013	EGMONT KEY CUT-2
S/B JACKSONVILLE	07-08, 30 MAY 2013	EGMONT KEY CUT-2

- ### 9. AIDS TO NAVIGATION WERE LOCATED DURING THIS SURVEY

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 AND IS NOT TO BE USED FOR NAVIGATION
11. SURVEY ACCURACY 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.

LEGEND	
	GPS MONUMENT
	LIGHTED BEACON
	GREEN DAYBEACON
	RED DAYBEACON
	RED LIGHTED BUOY
	GREEN LIGHTED BUOY
	CAN BUOY
	NUN BUOY
	TIDE STAFF
8	PROJECT DEPTH

PROJECT DEPTHS	
CUT	DEPT
EGMONT CUT-1	45
EGMONT CUT-2	45
MULLET KEY CH.	43
CUT-A (TB)	43
CUT-B (TB)	43
CUT-C (TB)	43
CUT-D (TB)	43
CUT-E (TB)	43
CUT-F (TB)	43



US Army Corps
of Engineers
Jacksonville District

**SAFETY ON THE
DEPENDS ON**

[illegible]

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS

Designed by: W.R.M.	Class By: DVT
Drawn by: WRM	
P. No. W812EP. --	
Method	

036-G-8S-BRDR.DGN
MFA HARBOR-C-SPMCCF.DGN
WFL MAP.DGN
ASHORE83.DGN

LOWER TAMPA BAY
TAMPA HARBOR, FLORIDA

Scale: AS SHOWN

Drawing no.

1 / 36

SHEET 1 OF 6

Drawing no.

Scale: AS SHOWN

- NOTES:
- 1. REFER TO SURVEY NO. 15-085.
 - 2. SEE SHEET NO.1 FOR SURVEY NOTES.

GRAPHIC SCALE



LOWER TAMPA BAY
TAMPA HARBOR, FLORIDA
EXAMINATION SURVEY FY13
43 & 45 FOOT PROJECT
PLAN
STA. 0+00 THRU STA. 30+00 EGMONT CUT - 1

Reference Mark:
13-085-VH-002.DGN
13-085-V-NAV.DGN
13-085-V-COM-EGMONT.DGN
13-085-G-88-BNDR.DGN

Designed by: W.F.M.
Drawn by: W.F.M.
Date: 08/12/2013

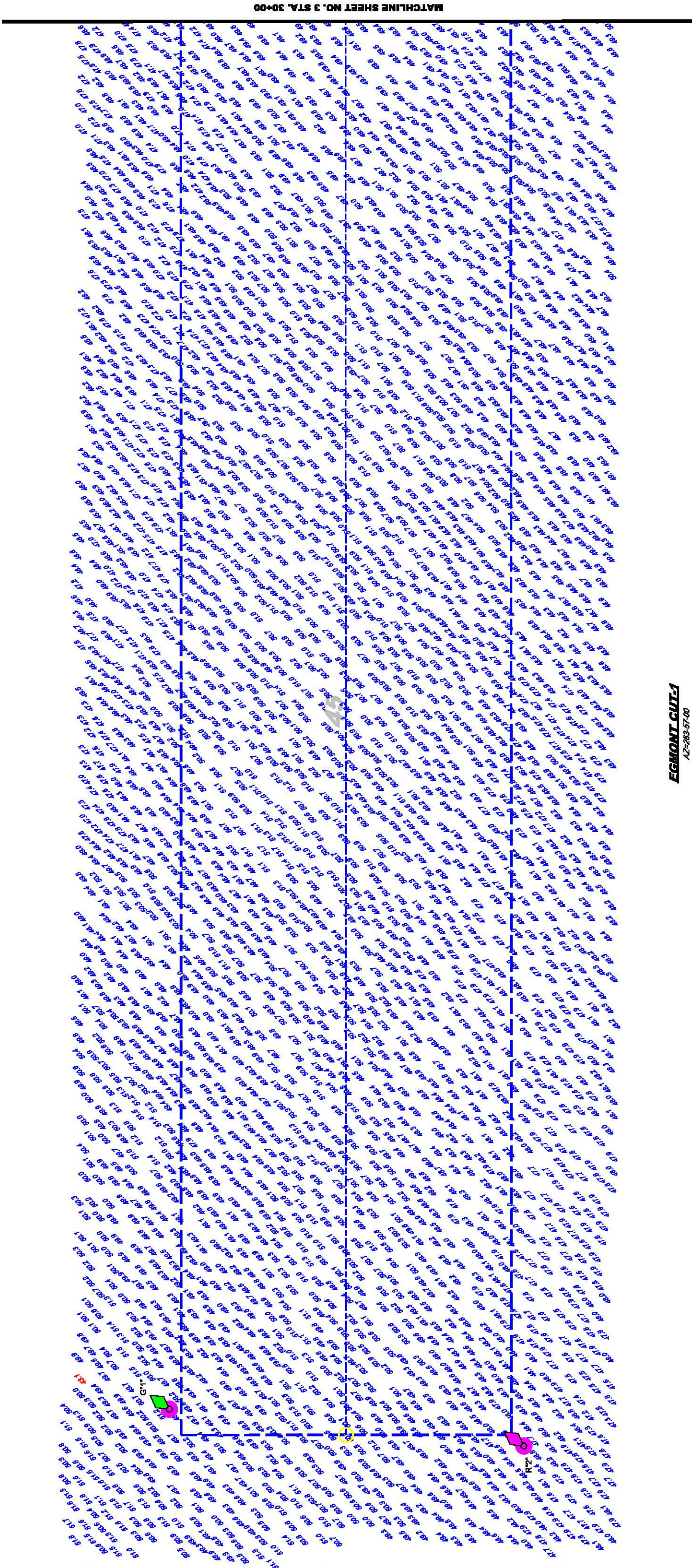
DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

No.	Symbol	Zone	Description
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US Army Corps of Engineers
Jacksonville District
SAFETY ON THIS JOB
DEPENDS ON YOU

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-1 (0813)	337.711	1,185.682	27°38'53.38"	82°58'58.42"
LT. BUOY-2 (0813)	337.713	1,185.107	27°38'53.50"	82°58'58.34"

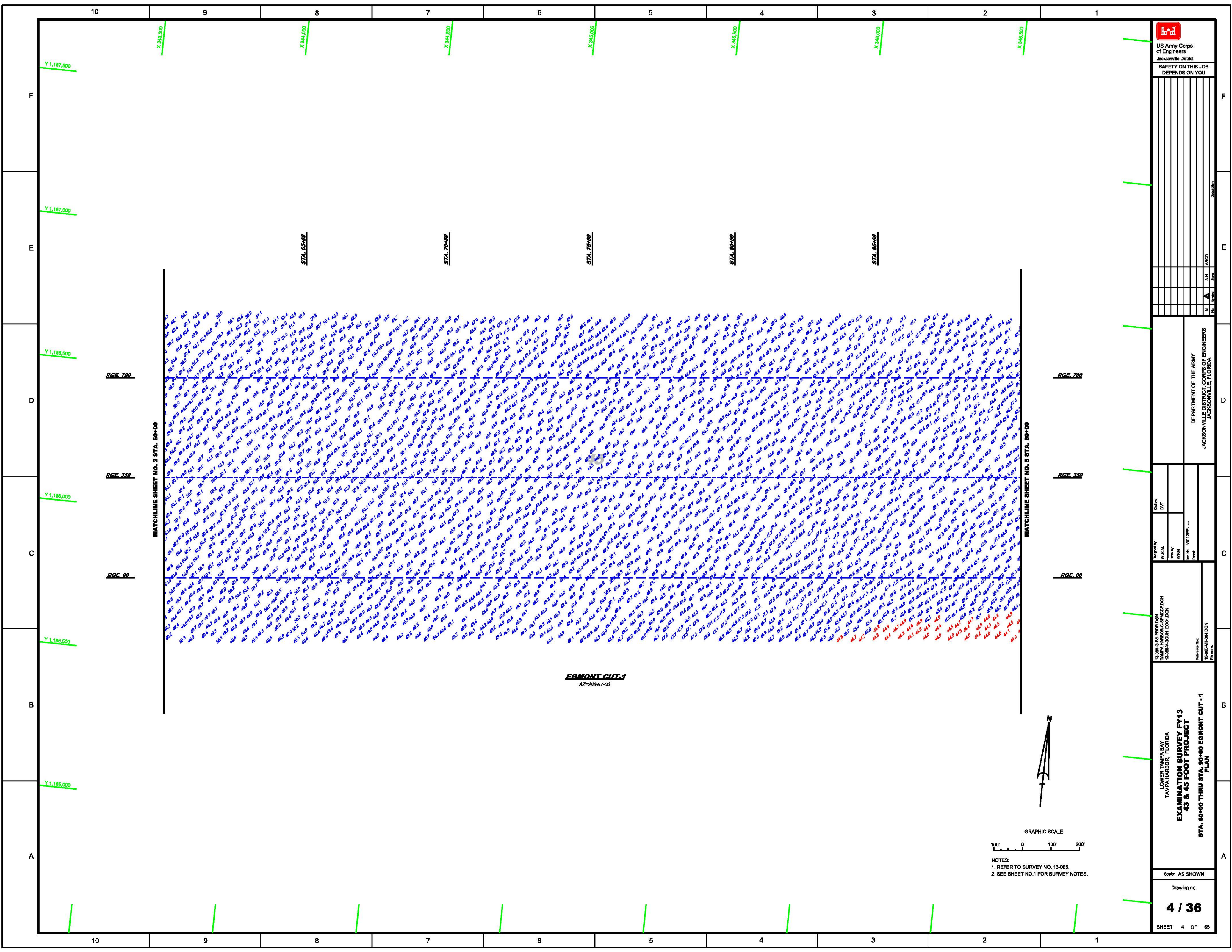
EGMONT CUT-1
AP-283-07-00



STA. 0+00
STA. 5+00
STA. 10+00
STA. 15+00
STA. 20+00
STA. 25+00
STA. 30+00

X 337.500
X 338.000
X 338.500
X 339.000
X 339.500
X 340.000

Y 1,184.500
Y 1,185.000
Y 1,185.500
Y 1,186.000



US Army Corps
of Engineers
Jacksonville District

SAFETY ON THIS JOB
DEPENDS ON YOU

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

Call by:
WJAL
DVT

Designed by:
WJAL
DVT

Drawn by:
WJAL
DVT

Checked by:
WJAL
DVT

13-085-0-88-BRIDGE
TAMPA HARBOR-CRIPPLE CREEK
13-085-0-000-LEGION

Reference file:
13-085-0-000-LEGION

File name:

LOWER TAMPA BAY
TAMPA HARBOR, FLORIDA

**EXAMINATION SURVEY FY13
43 & 45 FOOT PROJECT**

STA. 60+00 THRU STA. 90+00 EGMONT CUT - 1
PLAN

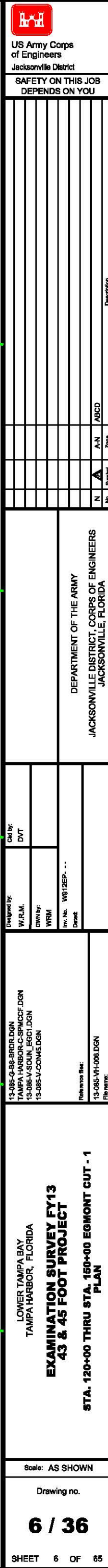
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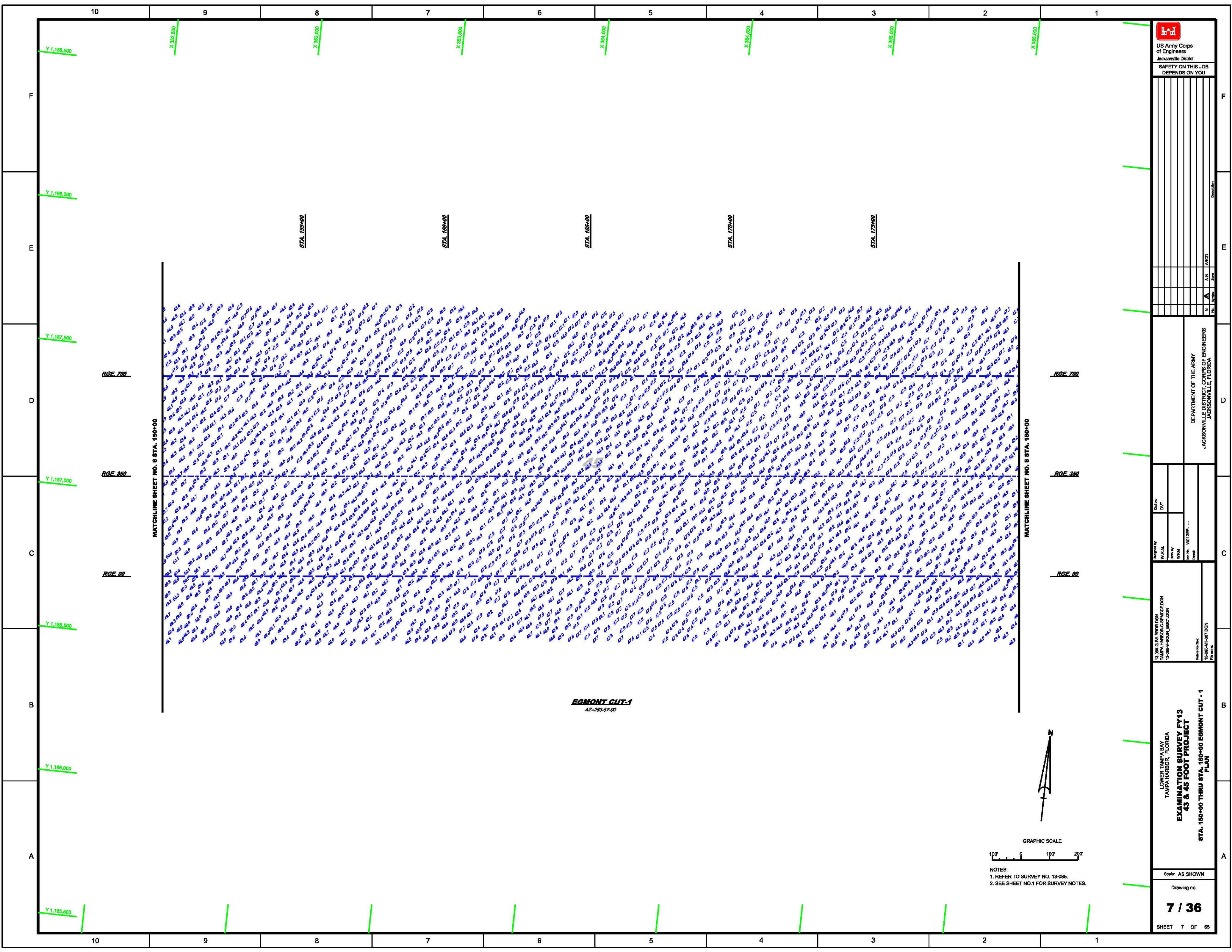
Drawing no.

4 / 36

SHEET 4 OF 65

NOTES:
1. REFER TO SURVEY NO. 13-085.
2. SEE SHEET NO.1 FOR SURVEY NOTES.





US Army Corps of Engineers
Jacksonville District
SAFETY ON THIS JOB
DEPENDS ON YOU

No.	Revised	By	Description
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DESIGNED BY: WJL/DVT
CHECKED BY: WJL/DVT
DATE: 07/20/2011

PROJECT: LOWER TAMPA BAY
TAMPA HARBOR, FLORIDA
EXAMINATION SURVEY FY13
43 & 45 FOOT PROJECT
STA. 150+00 THRU STA. 180+00 EGMONT CUT - 1
PLAN

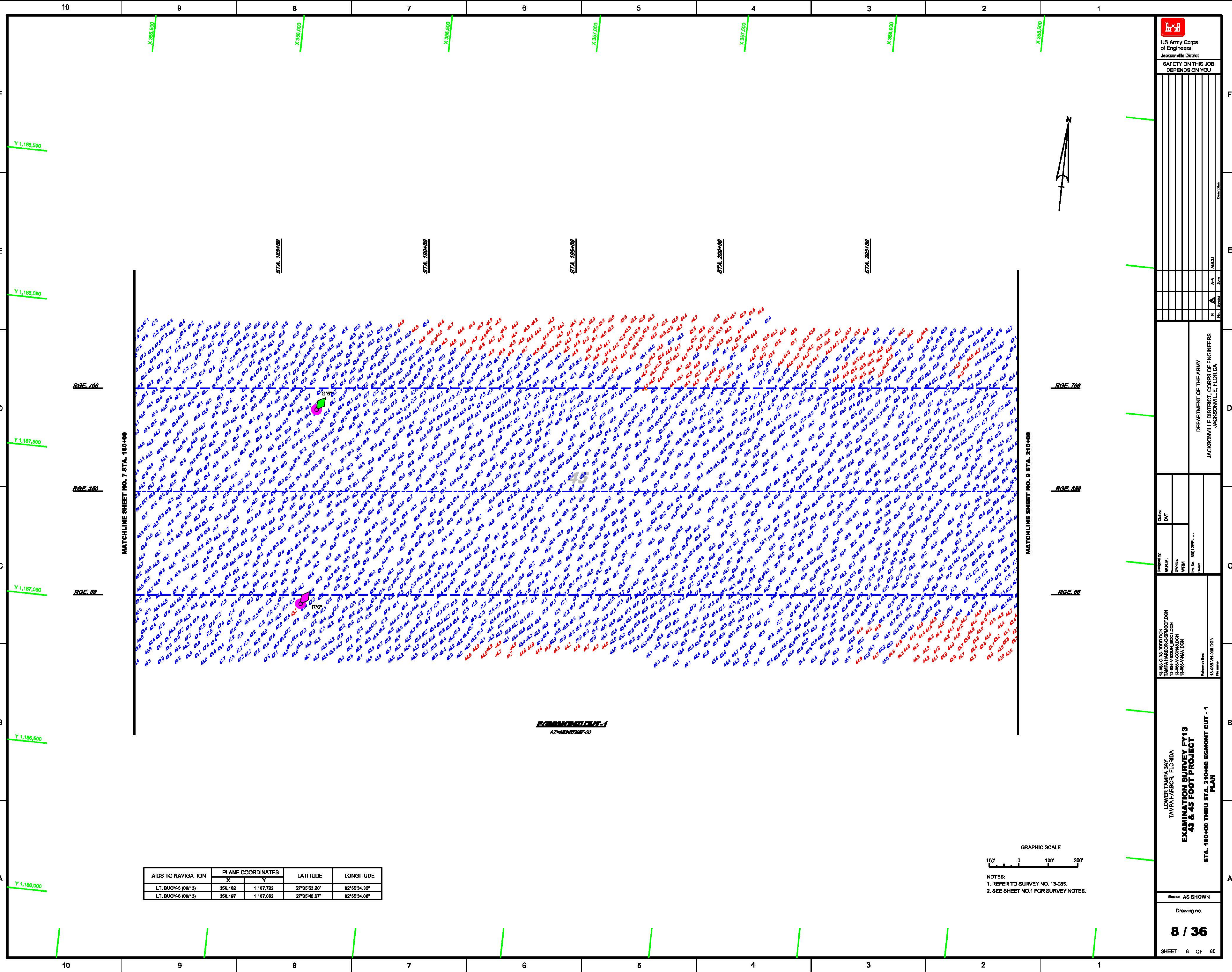
Scale: AS SHOWN

Drawing no.

7 / 36

SHEET 7 OF 85

NOTES:
1. REFER TO SURVEY NO. 13-085.
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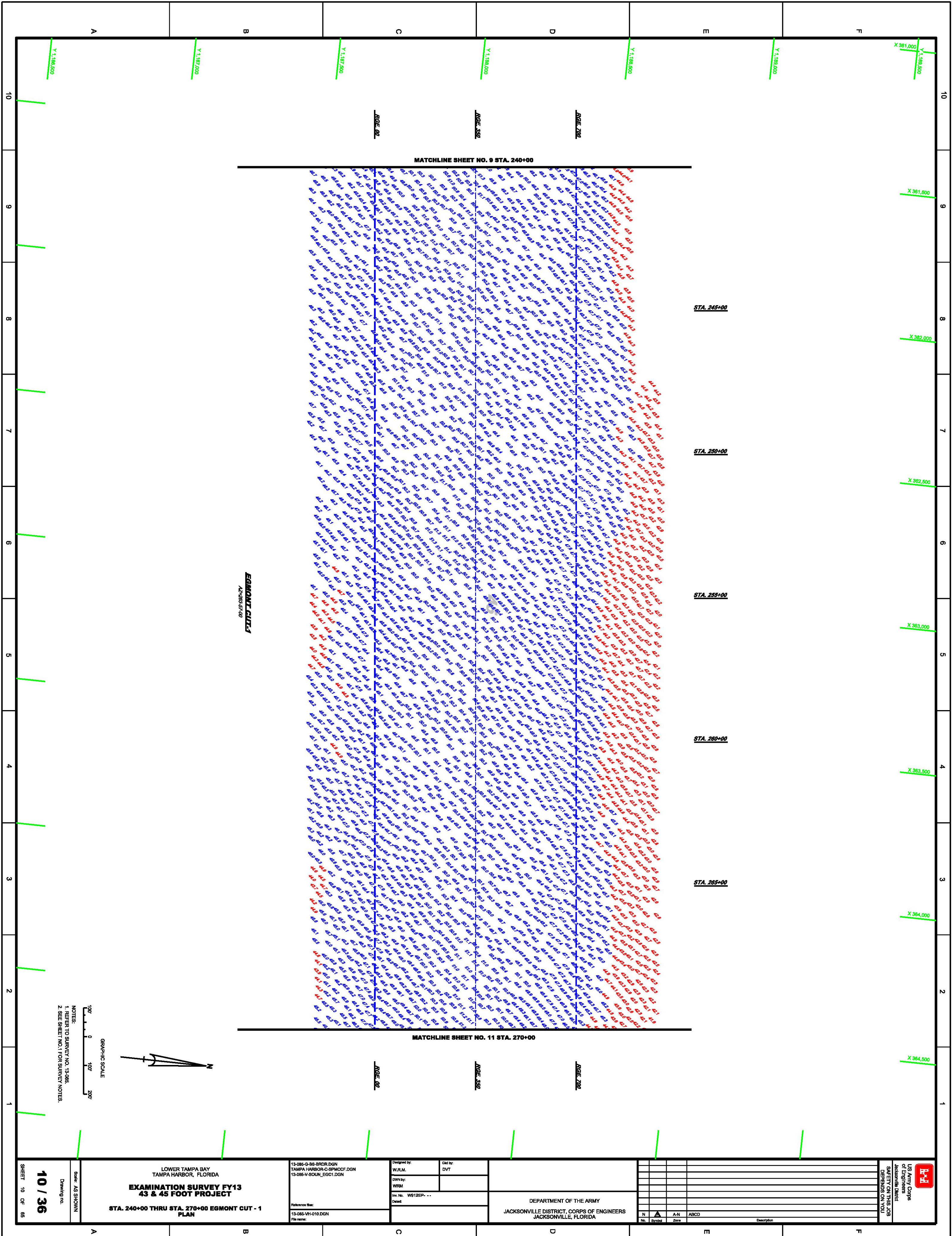
AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-5 (08/13)	356,182	1,187,722	27°35'53.20"	82°55'34.30"
LT. BUOY-6 (08/13)	356,187	1,187,062	27°35'46.87"	82°55'34.08"

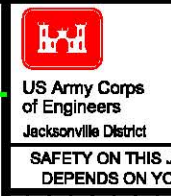
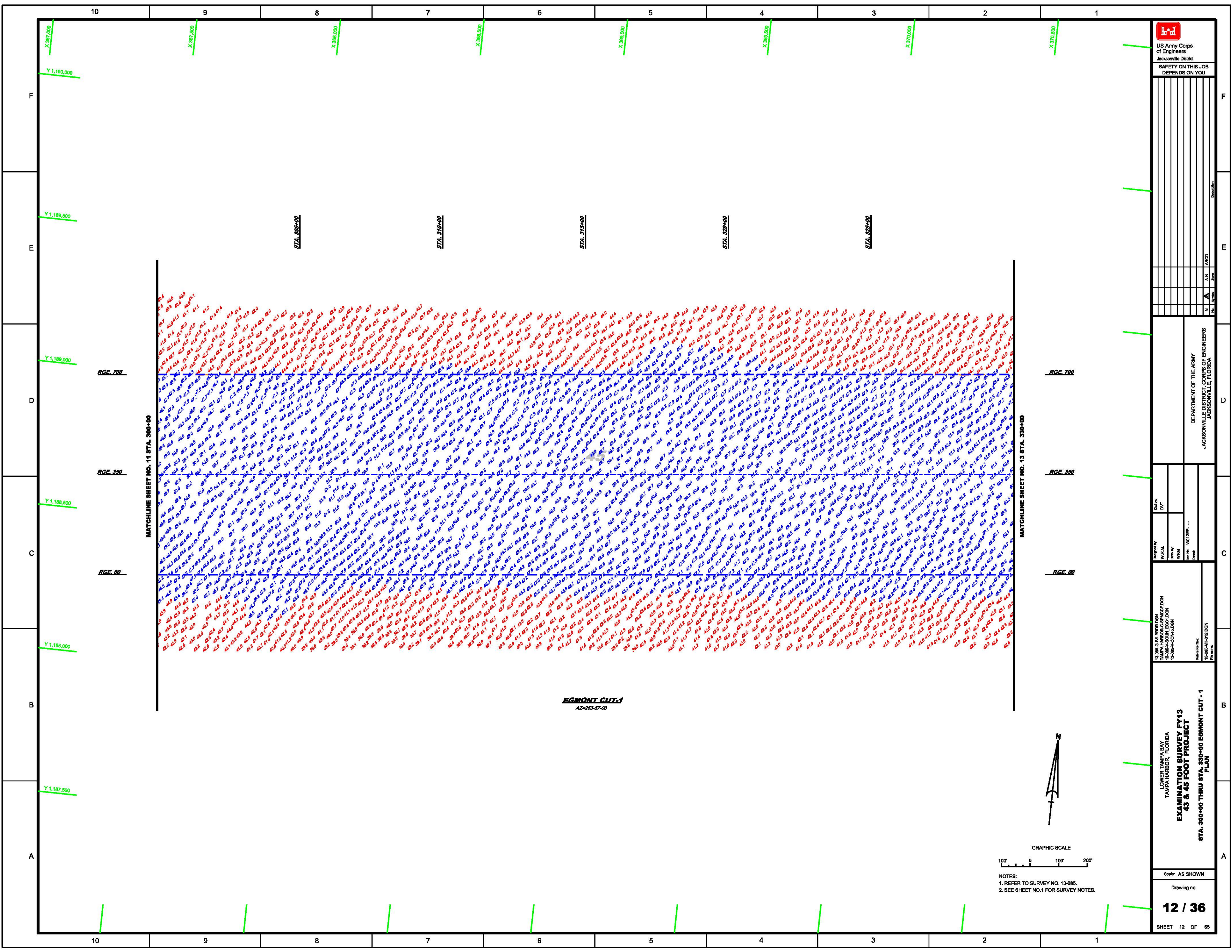
GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 13-085.
2. SEE SHEET NO.1 FOR SURVEY NOTES

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No.	Symbol	Zone	Description
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DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

Designed by:	WJL
Drawn by:	WJL
Checked by:	WJL
For No.:	WJL
Date:	WJL

13-085-00-BR-01-01
TAMPA HARBOR-CR-01-01
13-085-00-BR-01-01

LOWER TAMPA BAY
TAMPA HARBOR, FLORIDA
EXAMINATION SURVEY FY13
43 & 45 FOOT PROJECT
STA. 300+00 THRU STA. 330+00 EGMONT CUT - 1
PLAN

Scale: AS SHOWN
Drawing no.
12 / 36
SHEET 12 OF 65