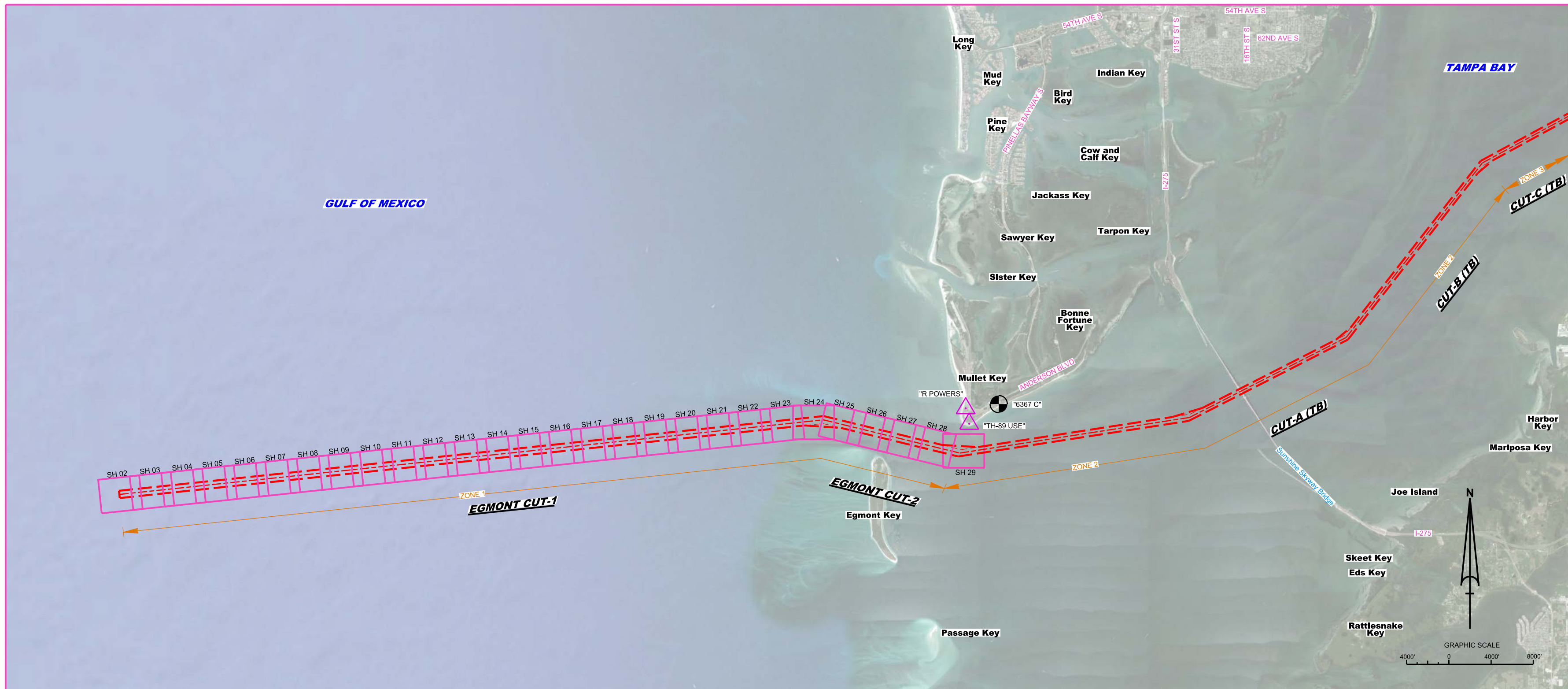
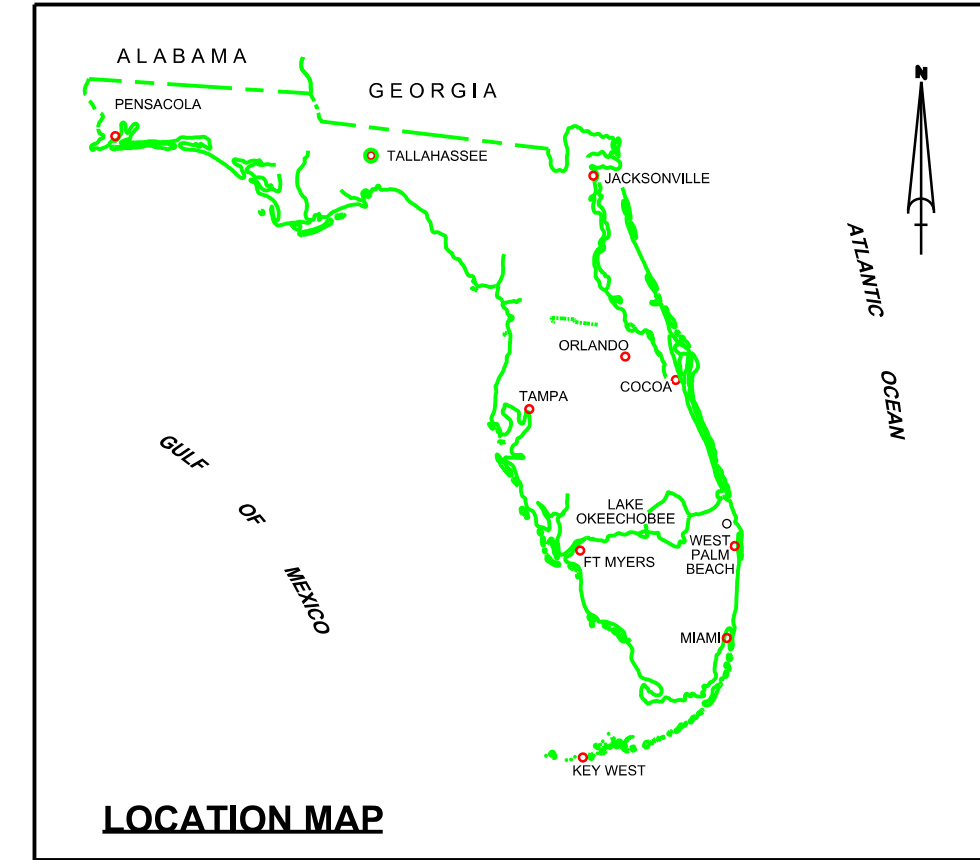


TAMPA HARBOR HILLSBOROUGH COUNTY, FLORIDA EGMONT KEY CUTS 1 & 2 (ZONE 1) EXAMINATION SURVEY FY14 45-FOOT PROJECT

SURVEY NOTES

1. REFER TO SURVEY NO. 14-168. DATA FROM AFTER-DREDGE SURVEY 15-016 AND EXAM SURVEY 14-170 ALSO USED IN THIS COMPILATION.
 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. TIDAL REDUCTIONS WERE OBTAINED UTILIZING A REAL-TIME KINEMATIC (RTK) GPS AND REFERENCED TO MLLW UTILIZING A HYPPACK KINEMATIC TIDE DATUM (KTD) MODEL. 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 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 "TH-89 USE" (PID: AG0988)
 REFERENCE BASE LOCATED AT "R POWERS" (PID: BDR33)
 TIDESTAFF SET FROM "6367 C" (PID: AG7401)
 8. VERTICAL MEASUREMENTS WERE MADE USING A R2SONIC 2024 MULTI-BEAM SENSOR OPERATING AT 240 KHZ (HIGH FREQUENCY) AND A ROSS 835 SMARTSOUNDER SINGLE-BEAM TRANSDUCER. ALL SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.
- | VESSEL | DATE OF SURVEY | CUT |
|-----------------|-------------------------------|------------------|
| SV JACKSONVILLE | 24-26, 31 MAR; 22-23 APR 2015 | EGMONT KEY CUT-2 |
| SV JACKSONVILLE | 24-25 MAR 2015 | EGMONT KEY CUT-1 |
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.
 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.

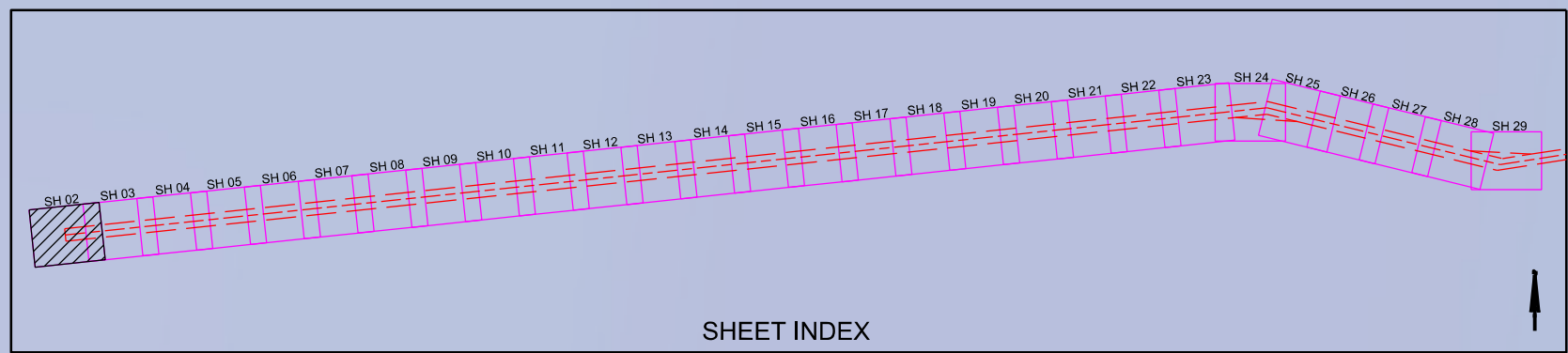
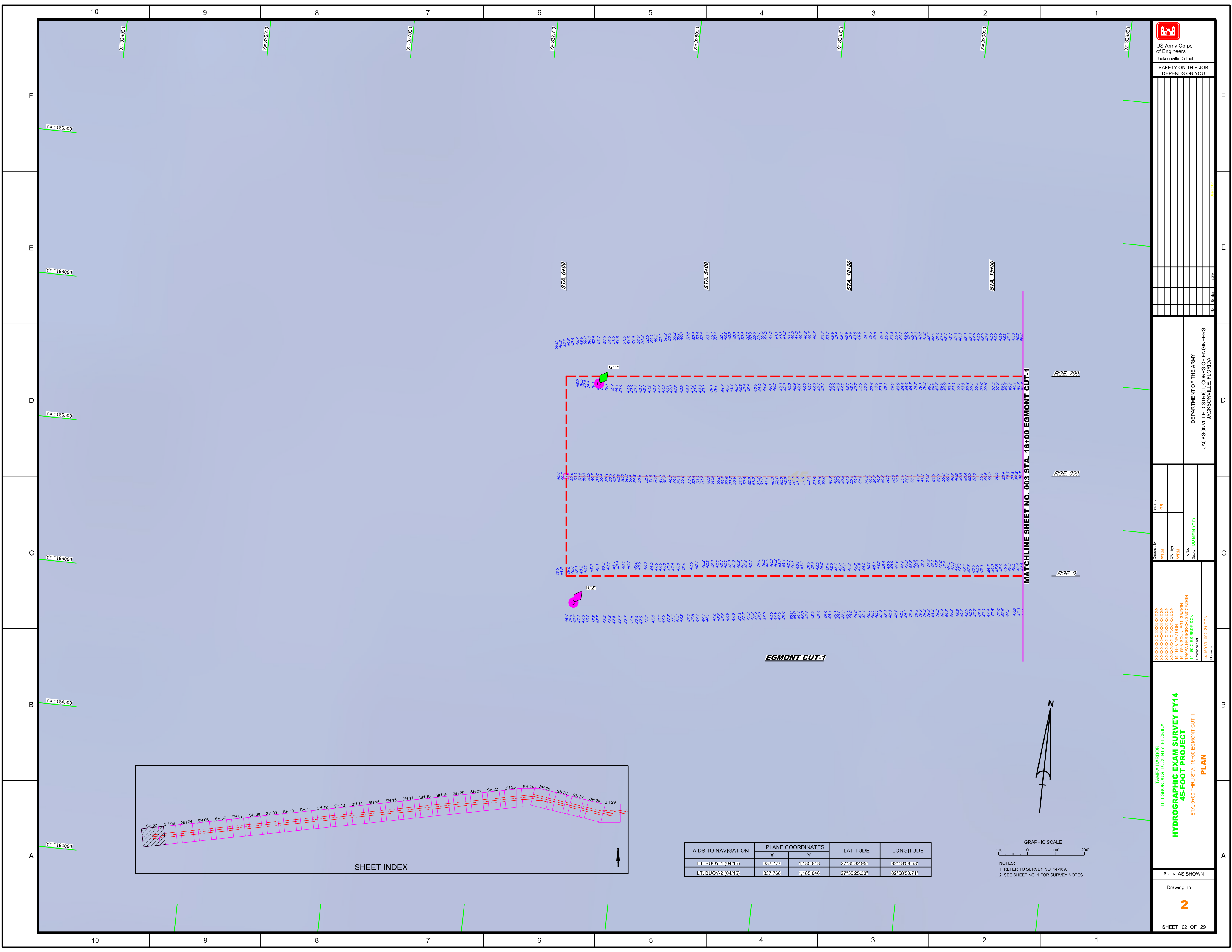
LEGEND	
▲	MONUMENT
⚓	LIGHTED BEACON
■	GREEN DAYBEACON
▲	RED DAYBEACON
●	RED LIGHTED BUOY
●	GREEN LIGHTED BUOY
○	CAN BUOY
⚓	NUN BUOY
⚓	TIDE STAFF
8	PROJECT DEPTH



US Army Corps
of Engineers
Jacksonville District

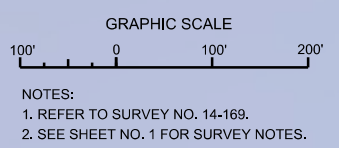
**SAFETY ON THIS JOB
DEPENDS ON YOU**

DESIGNED BY WRM DRAWN BY WRM CHECKED BY WRM DATE 00/00/00	DESIGNED BY WRM DRAWN BY WRM CHECKED BY WRM DATE 00/00/00	DESIGNED BY WRM DRAWN BY WRM CHECKED BY WRM DATE 00/00/00	DESIGNED BY WRM DRAWN BY WRM CHECKED BY WRM DATE 00/00/00	DESIGNED BY WRM DRAWN BY WRM CHECKED BY WRM DATE 00/00/00	DESIGNED BY WRM DRAWN BY WRM CHECKED BY WRM DATE 00/00/00	DESIGNED BY WRM DRAWN BY WRM CHECKED BY WRM DATE 00/00/00	DESIGNED BY WRM DRAWN BY WRM CHECKED BY WRM DATE 00/00/00	DESIGNED BY WRM DRAWN BY WRM CHECKED BY WRM DATE 00/00/00	DESIGNED BY WRM DRAWN BY WRM CHECKED BY WRM DATE 00/00/00
DEPARTMENT OF THE ARMY JACKSONVILLE DISTRICT, CORPS OF ENGINEERS JACKSONVILLE, FLORIDA									
TAMPA HARBOR HILLSBOROUGH COUNTY, FLORIDA HYDROGRAPHIC EXAM SURVEY FY14 45-FOOT PROJECT INDEX, LOCATION AND VICINITY MAP									
Scale: AS SHOWN Drawing no. 1									
SHEET 01 OF 29									



SHEET INDEX

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-1 (04/15)	337,777	1,185,818	27°35'32.95"	82°58'58.68"
LT. BUOY-2 (04/15)	337,768	1,185,046	27°35'25.30"	82°58'58.71"

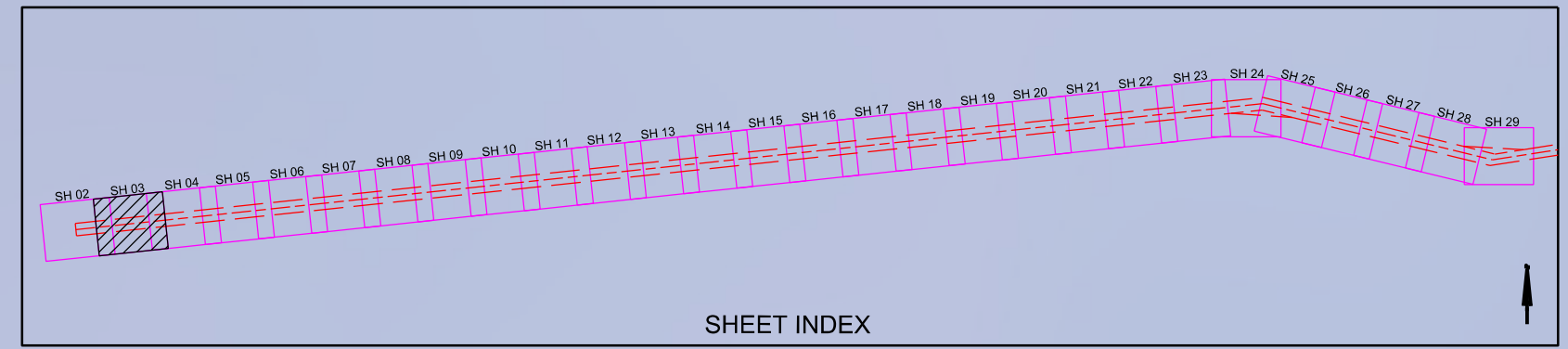
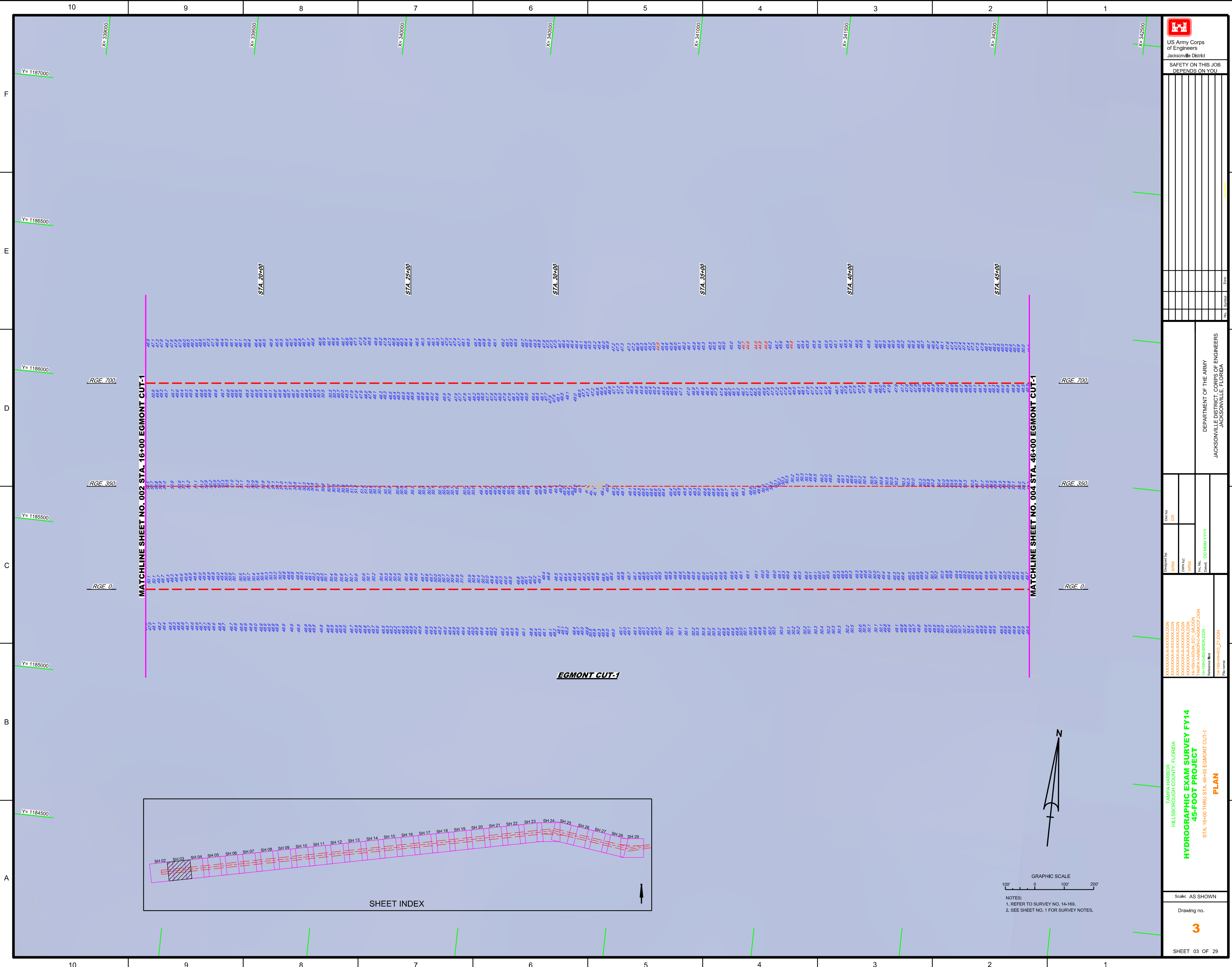


STA.	ELEVATION	STA.	ELEVATION	STA.	ELEVATION	STA.	ELEVATION
0+00	50.9	4+00	49.7	8+00	48.6	12+00	48.1
0+10	49.7	4+10	48.6	4+20	48.6	8+10	48.1
0+20	48.6	4+20	48.6	4+30	48.6	8+20	48.1
0+30	48.6	4+30	48.6	4+40	48.6	8+30	48.1
0+40	48.6	4+40	48.6	4+50	48.6	8+40	48.1
0+50	48.6	4+50	48.6	4+60	48.6	8+50	48.1
0+60	48.6	4+60	48.6	4+70	48.6	8+60	48.1
0+70	48.6	4+70	48.6	4+80	48.6	8+70	48.1
0+80	48.6	4+80	48.6	4+90	48.6	8+80	48.1
0+90	48.6	4+90	48.6	5+00	48.6	8+90	48.1
1+00	48.6	5+00	48.6	5+10	48.6	9+00	48.1
1+10	48.6	5+10	48.6	5+20	48.6	9+10	48.1
1+20	48.6	5+20	48.6	5+30	48.6	9+20	48.1
1+30	48.6	5+30	48.6	5+40	48.6	9+30	48.1
1+40	48.6	5+40	48.6	5+50	48.6	9+40	48.1
1+50	48.6	5+50	48.6	5+60	48.6	9+50	48.1
1+60	48.6	5+60	48.6	5+70	48.6	9+60	48.1
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1+90	48.6	5+90	48.6	6+00	48.6	9+90	48.1
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2+30	48.6	6+30	48.6	6+40	48.6	10+30	48.1
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2+70	48.6	6+70	48.6	6+80	48.6	10+70	48.1
2+80	48.6	6+80	48.6	6+90	48.6	10+80	48.1
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3+20	48.6	7+20	48.6	7+30	48.6	11+20	48.1
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8+30	48.6	12+30	48.6	12+40	48.6		
8+40	48.6	12+40	48.6	12+50	48.6		
8+50	48.6	12+50	48.6	12+60	48.6		
8+60	48.6	12+60	48.6	12+70	48.6		
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9+70	48.6	13+70	48.6	13+80	48.6		
9+80	48.6	13+80	48.6	13+90	48.6		
9+90	48.6	13+90	48.6	14+00	48.6		
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10+40	48.6	14+40	48.6	14+50	48.6		
10+50	48.6	14+50	48.6	14+60	48.6		
10+60	48.6	14+60	48.6	14+70	48.6		
10+70	48.6	14+70	48.6	14+80	48.6		
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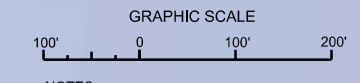
US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB
DEPENDS ON YOU


DESIGNED BY: WRM DRAWN BY: WRM CHECKED BY: DDJMMWY DATE: 00/00/00	CALLED BY: GR DATE: 00/00/00
DEPARTMENT OF THE ARMY JACKSONVILLE DISTRICT, CORPS OF ENGINEERS JACKSONVILLE, FLORIDA	
TAMPA HARBOR HILLSBOROUGH COUNTY, FLORIDA HYDROGRAPHIC EXAM SURVEY FY14 45-FOOT PROJECT STA. 0+00 THRU STA. 16+00 EGMONT CUT-1 PLAN	
Scale: AS SHOWN Drawing no. 2	
SHEET 02 OF 29	

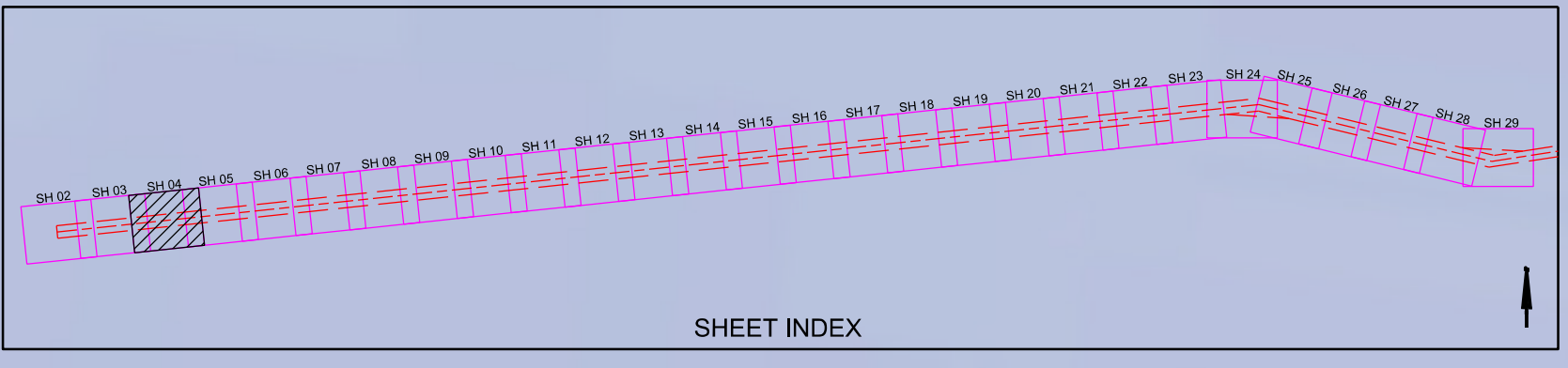
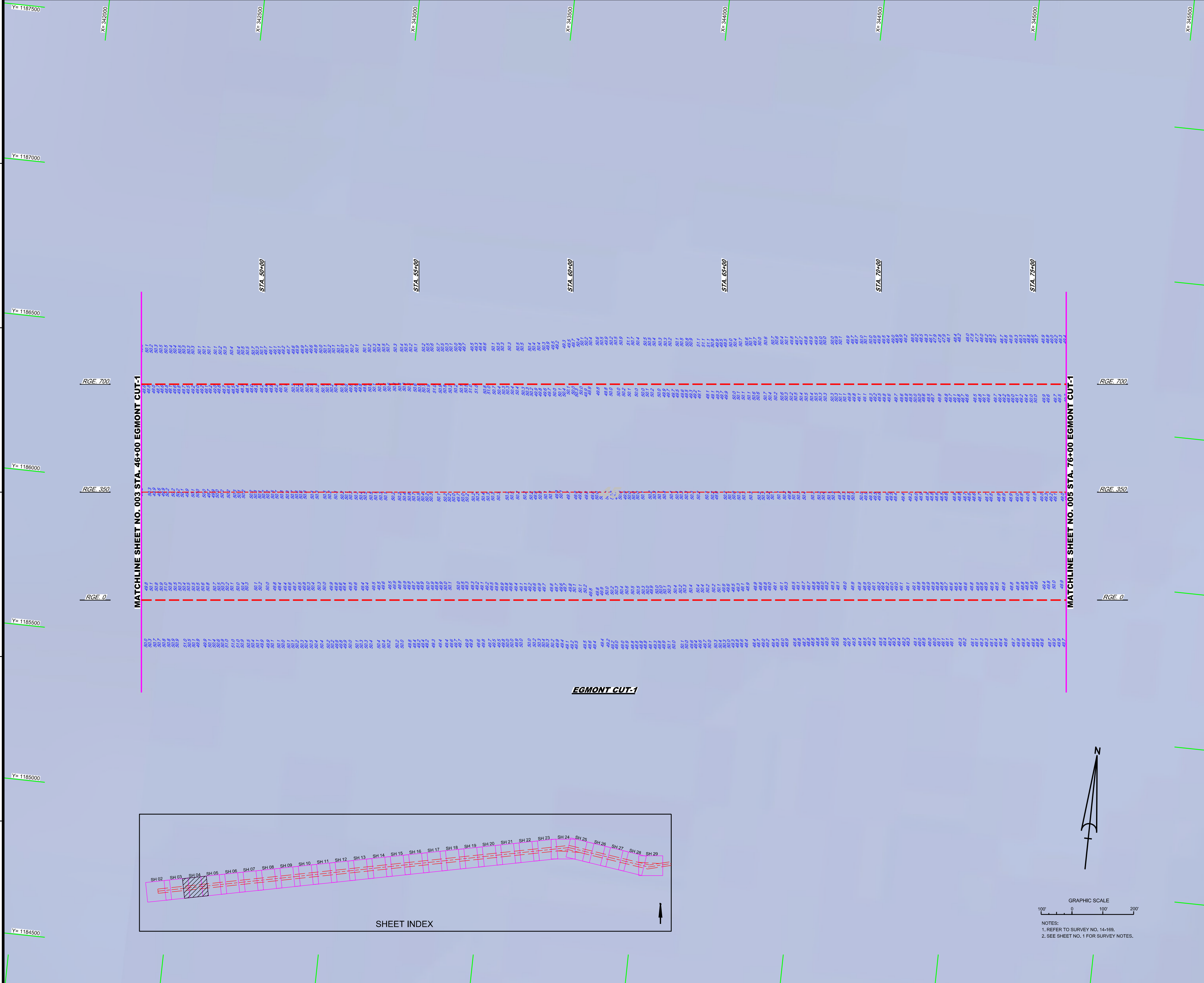


EGMONT CUT-1

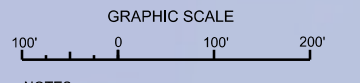


NOTES:
 1. REFER TO SURVEY NO. 14-169,
 2. SEE SHEET NO. 1 FOR SURVEY NOTES.

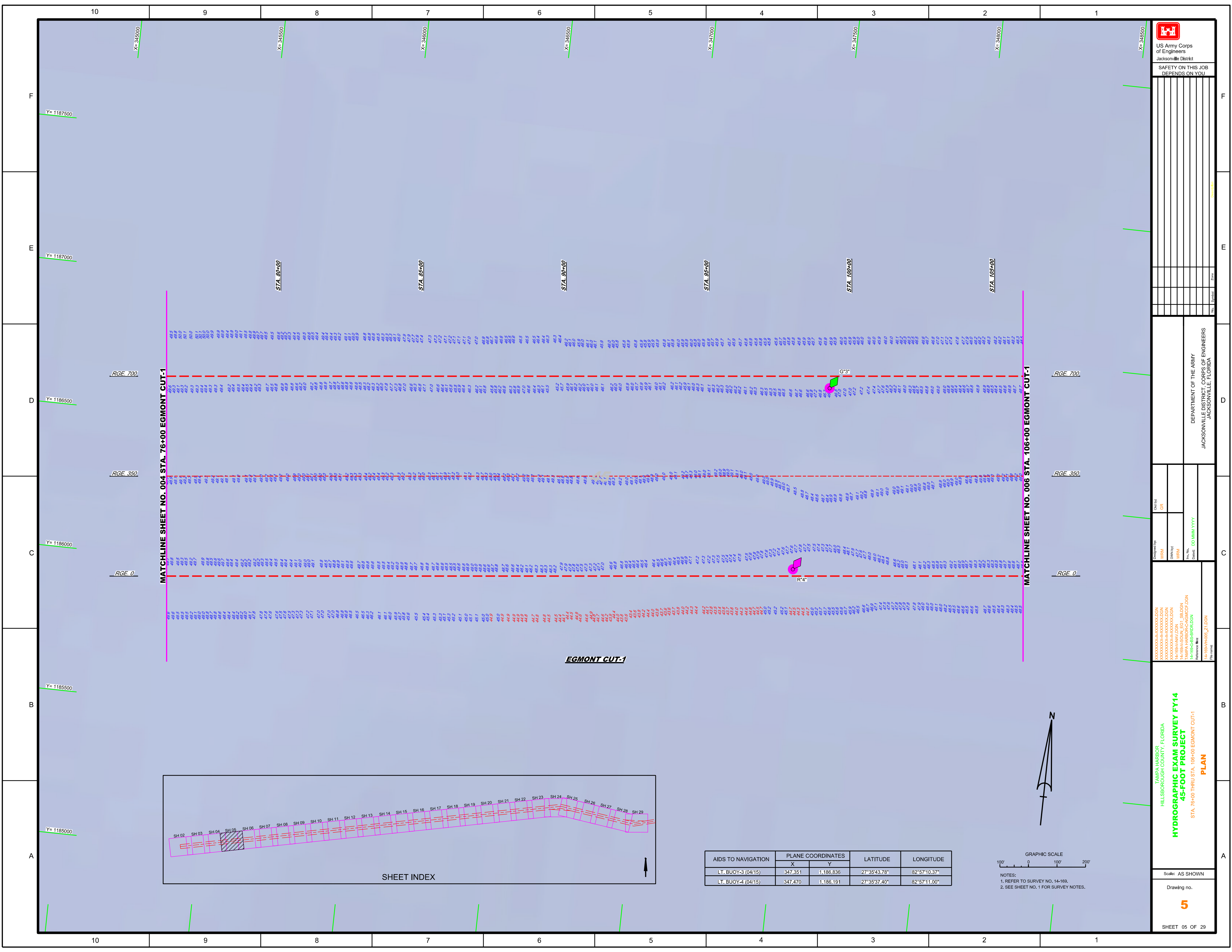
 US Army Corps of Engineers Jacksonville District SAFETY ON THIS JOB DEPENDS ON YOU	
DESIGNED BY: WRM DRAWN BY: WRM DATE: 00/00/00	CHECKED BY: GR DEPARTMENT OF THE ARMY JACKSONVILLE DISTRICT, CORPS OF ENGINEERS JACKSONVILLE, FLORIDA
TAMPA HARBOR HILLSBOROUGH COUNTY, FLORIDA HYDROGRAPHIC EXAM SURVEY FY14 45-FOOT PROJECT STA. 16+00 THRU STA. 46+00 EGMONT CUT-1 PLAN	
Scale: AS SHOWN Drawing no. 3 SHEET 03 OF 29	



EGMONT CUT-1



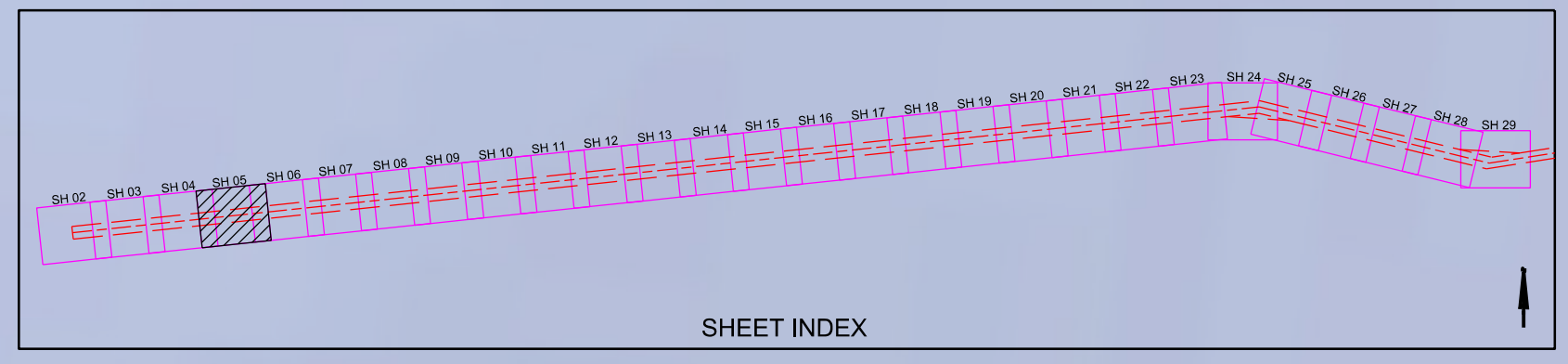
NOTES:
1. REFER TO SURVEY NO. 14-169.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.



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

Designed by: **WRM**
 Drawn by: **WRM**
 Checked: **DD/WWW/VVYY**
 Date: **04/15**
 Project: **HYDROGRAPHIC EXAM SURVEY FY14**
 Station: **STA. 76+00 THRU STA. 106+00 EGMONT CUT-1**



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-3 (04/15)	347,351	1,186,836	27°35'43.78"	82°57'10.37"
LT. BUOY-4 (04/15)	347,470	1,186,191	27°35'37.40"	82°57'11.00"

GRAPHIC SCALE
 100' 0 100' 200'
 NOTES:
 1. REFER TO SURVEY NO. 14-169.
 2. SEE SHEET NO. 1 FOR SURVEY NOTES.

TAMPA HARBOR
 HILLSBOROUGH COUNTY, FLORIDA
HYDROGRAPHIC EXAM SURVEY FY14
45-FOOT PROJECT
 STA. 76+00 THRU STA. 106+00 EGMONT CUT-1
PLAN
 Scale: AS SHOWN
 Drawing no. **5**
 SHEET 05 OF 29

X= 35+000 X= 35+500 X= 36+000 X= 36+500 X= 37+000 X= 37+500 X= 38+000 X= 38+500

F
E
D
C
B
A



No.	Symbol	Zone

DESIGNED BY: WRM
CHECKED BY: GRL
DATE: 00/00/00

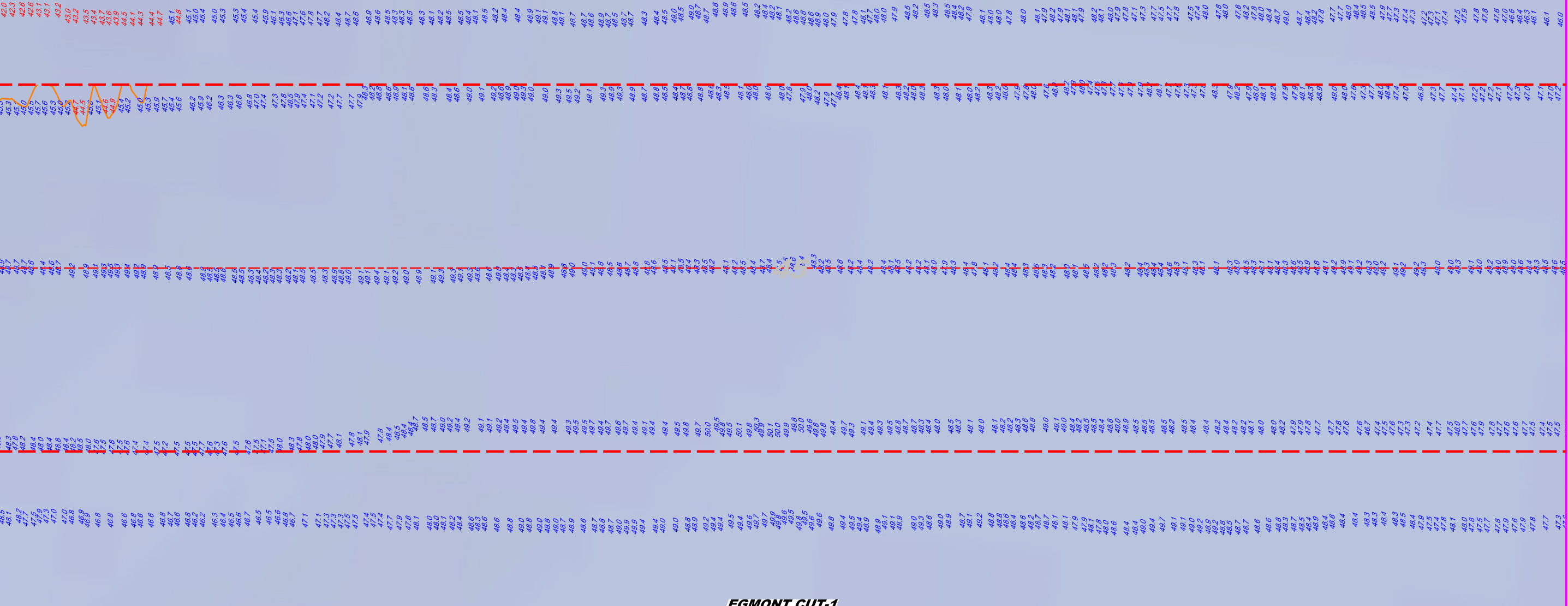
DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA
HYDROGRAPHIC EXAM SURVEY FY14
45-FOOT PROJECT
STA. 136+00 THRU STA. 166+00 EGMONT CUT-1
PLAN

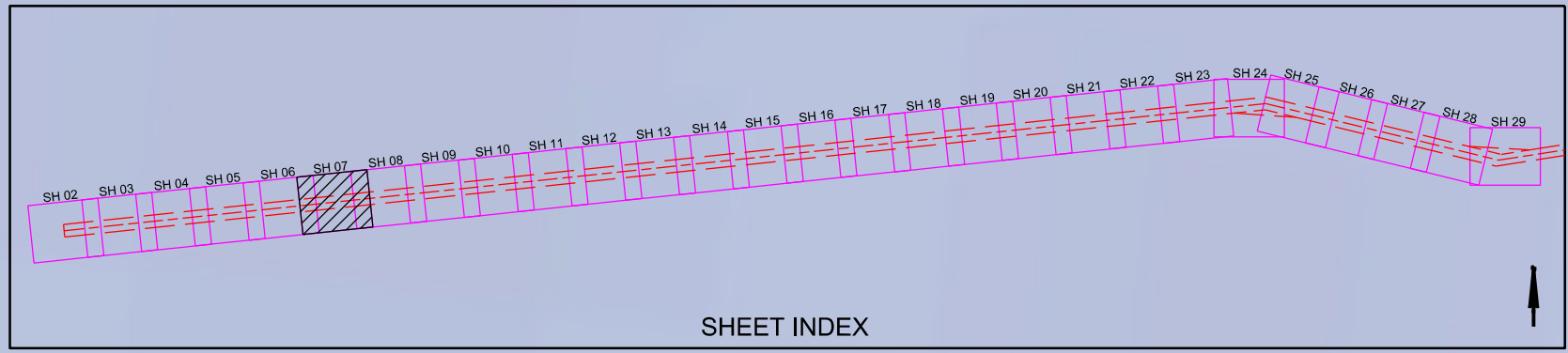
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RGE_700
RGE_350
RGE_0
RGE_0
RGE_350
RGE_700

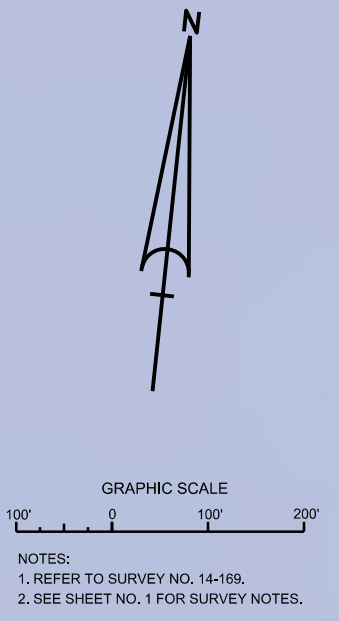
MATCHLINE SHEET NO. 006 STA. 136+00 EGMONT CUT-1
MATCHLINE SHEET NO. 008 STA. 166+00 EGMONT CUT-1



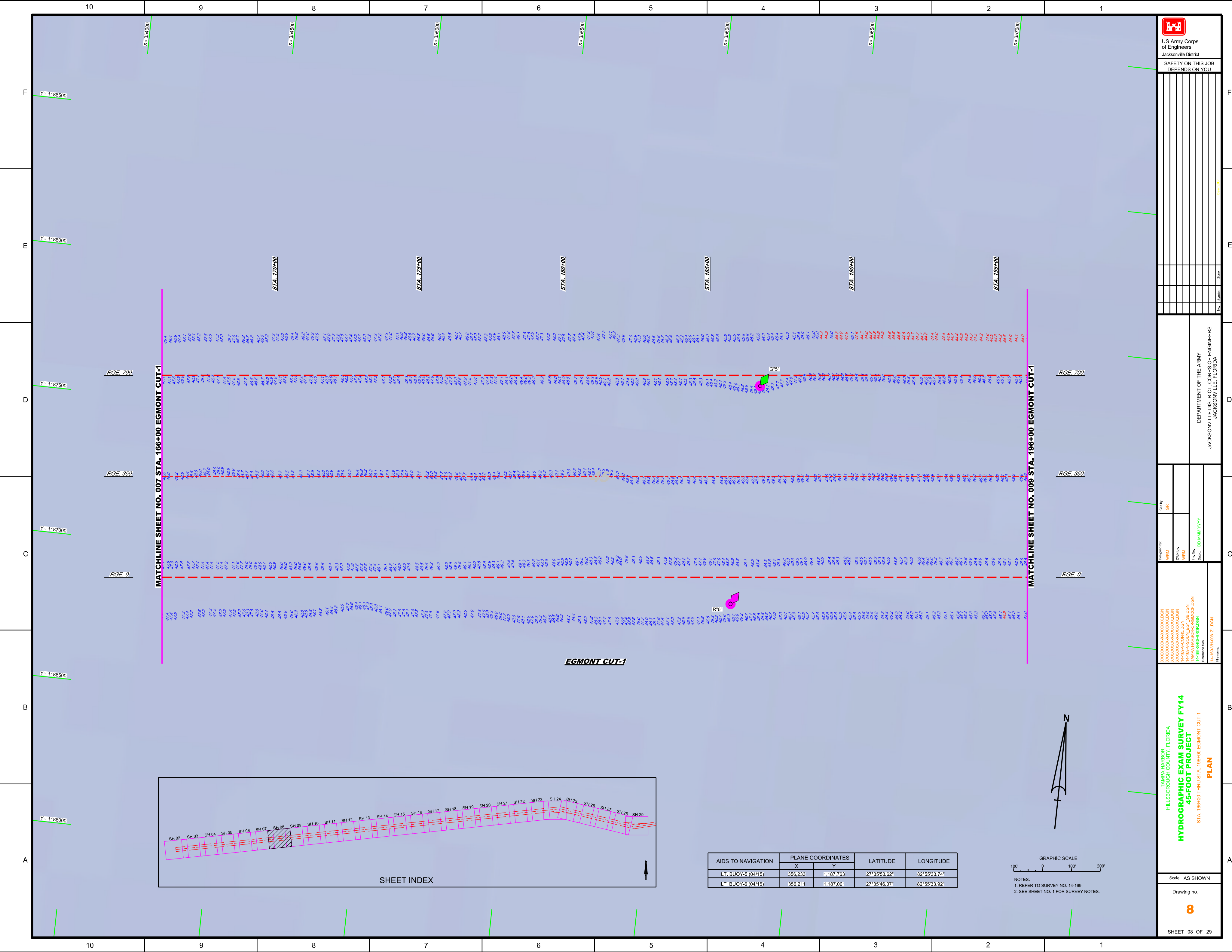
EGMONT CUT-1



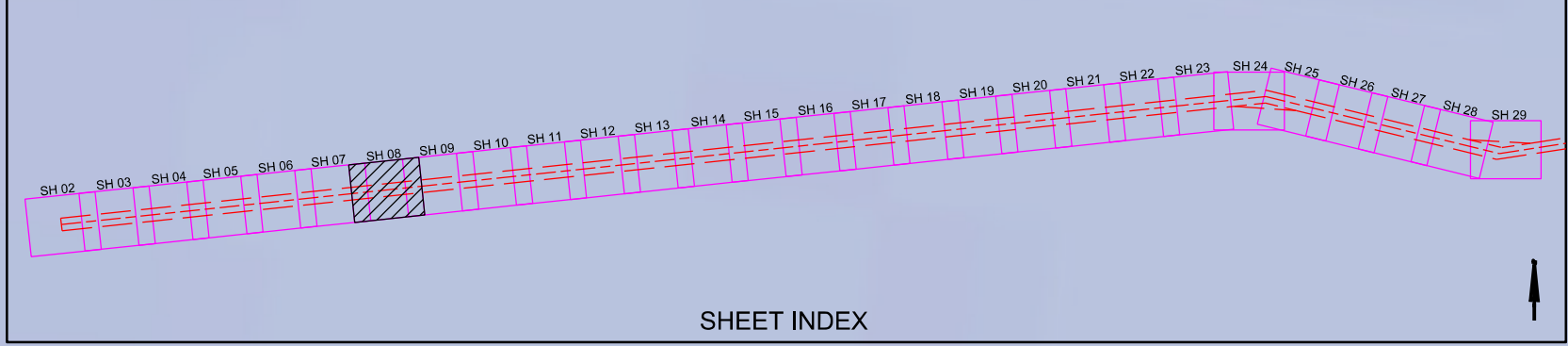
SHEET INDEX



NOTES:
1. REFER TO SURVEY NO. 14-169.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

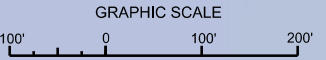


EGMONT CUT-1

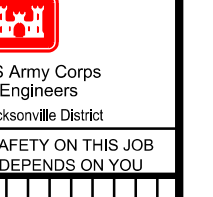


SHEET INDEX

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-5 (04/15)	356.233	1,187.763	27°35'53.62"	82°55'33.74"
LT. BUOY-6 (04/15)	356.211	1,187.001	27°35'46.07"	82°55'33.92"



NOTES:
 1. REFER TO SURVEY NO. 14-169.
 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

Designed by: WRM
Checked by: GR
Drawn by: WRM
Checked by: DD
Date: 00/00/00

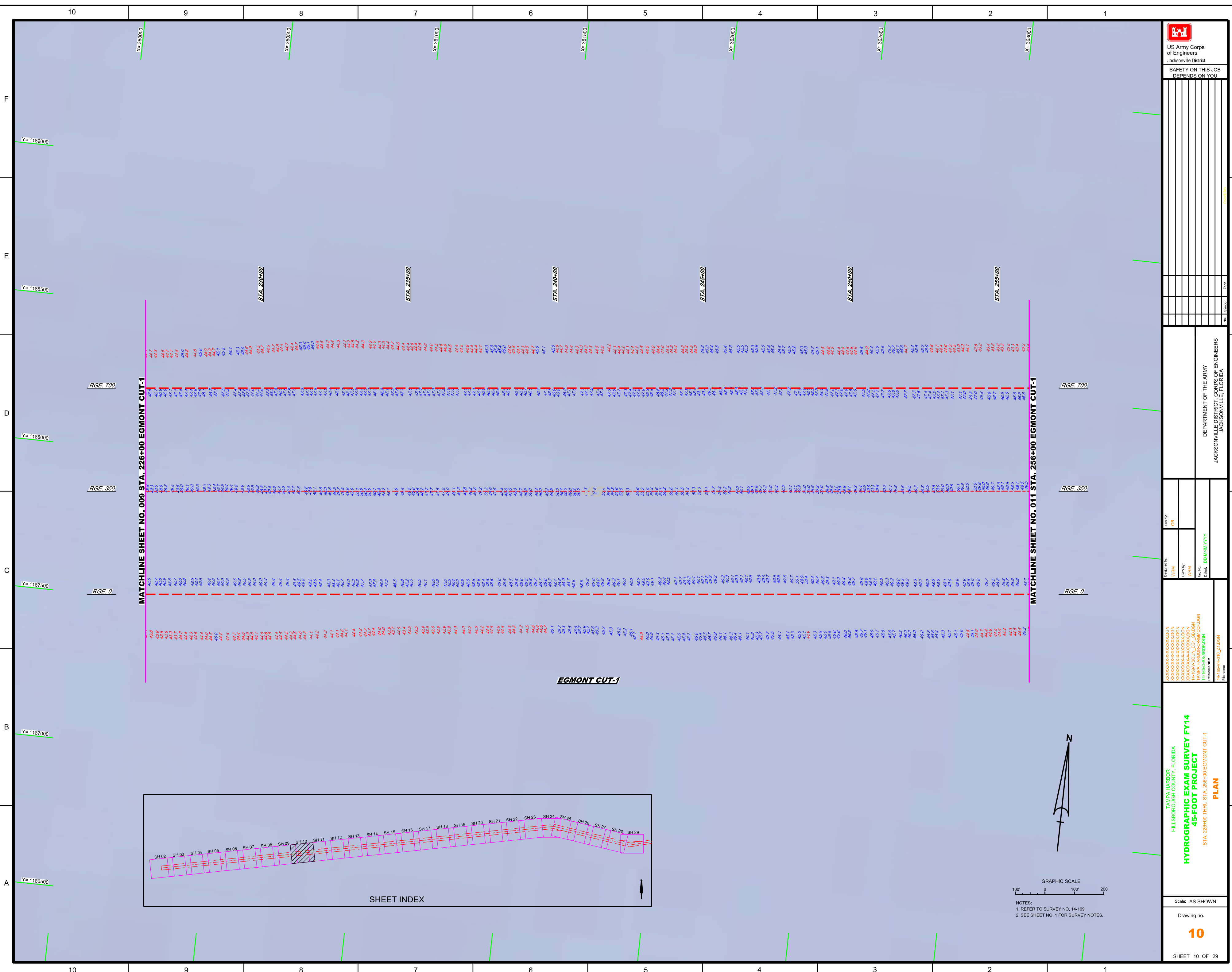
TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA
HYDROGRAPHIC EXAM SURVEY FY14
45-FOOT PROJECT
STA. 166+00 THRU STA. 196+00 EGMONT CUT-1
PLAN

Scale: AS SHOWN

Drawing no.

8

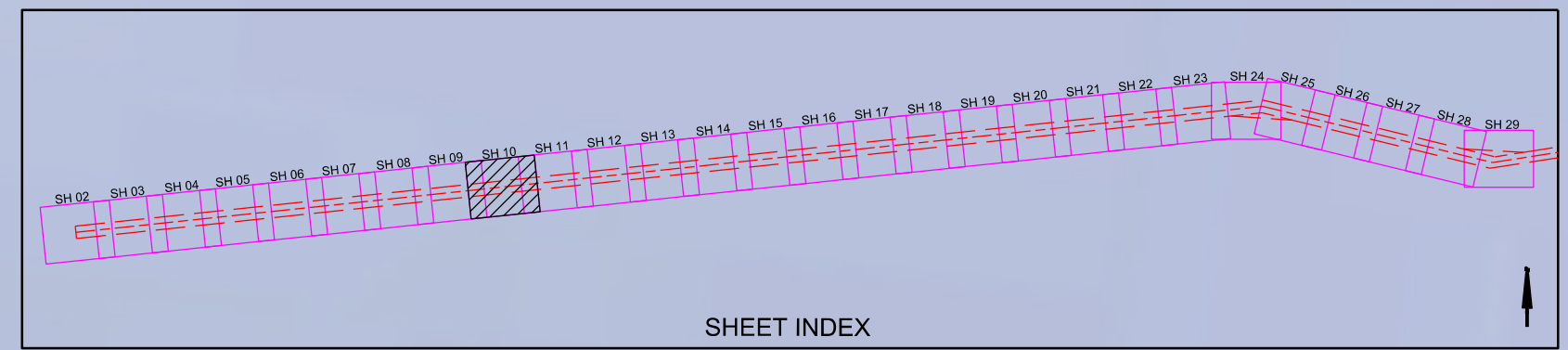
SHEET 08 OF 29



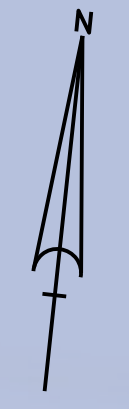
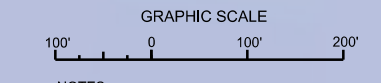
MATCHLINE SHEET NO. 009 STA. 226+00 EGMONT CUT-1

MATCHLINE SHEET NO. 011 STA. 256+00 EGMONT CUT-1

EGMONT CUT-1



SHEET INDEX



US Army Corps of Engineers
 Jacksonville District
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No.	Symbol	Zone

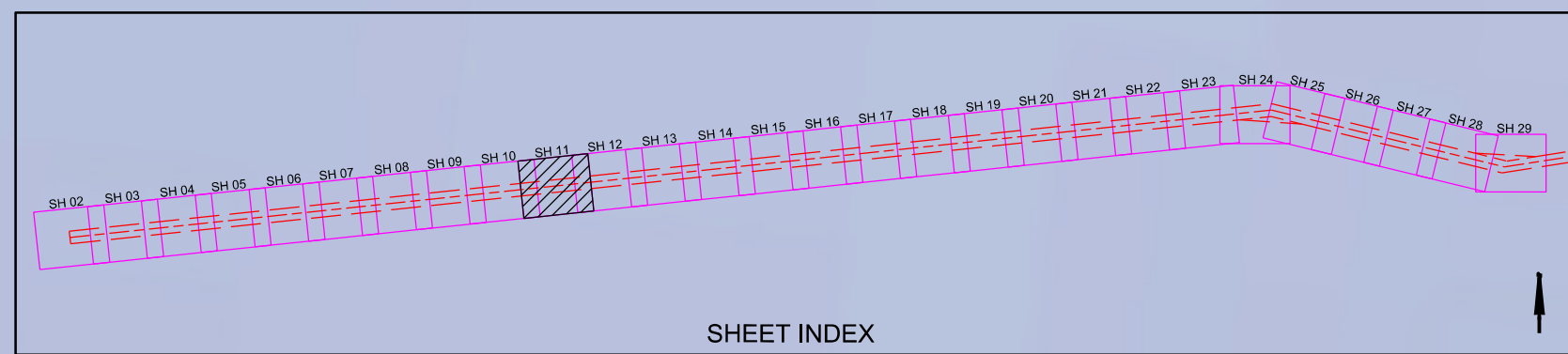
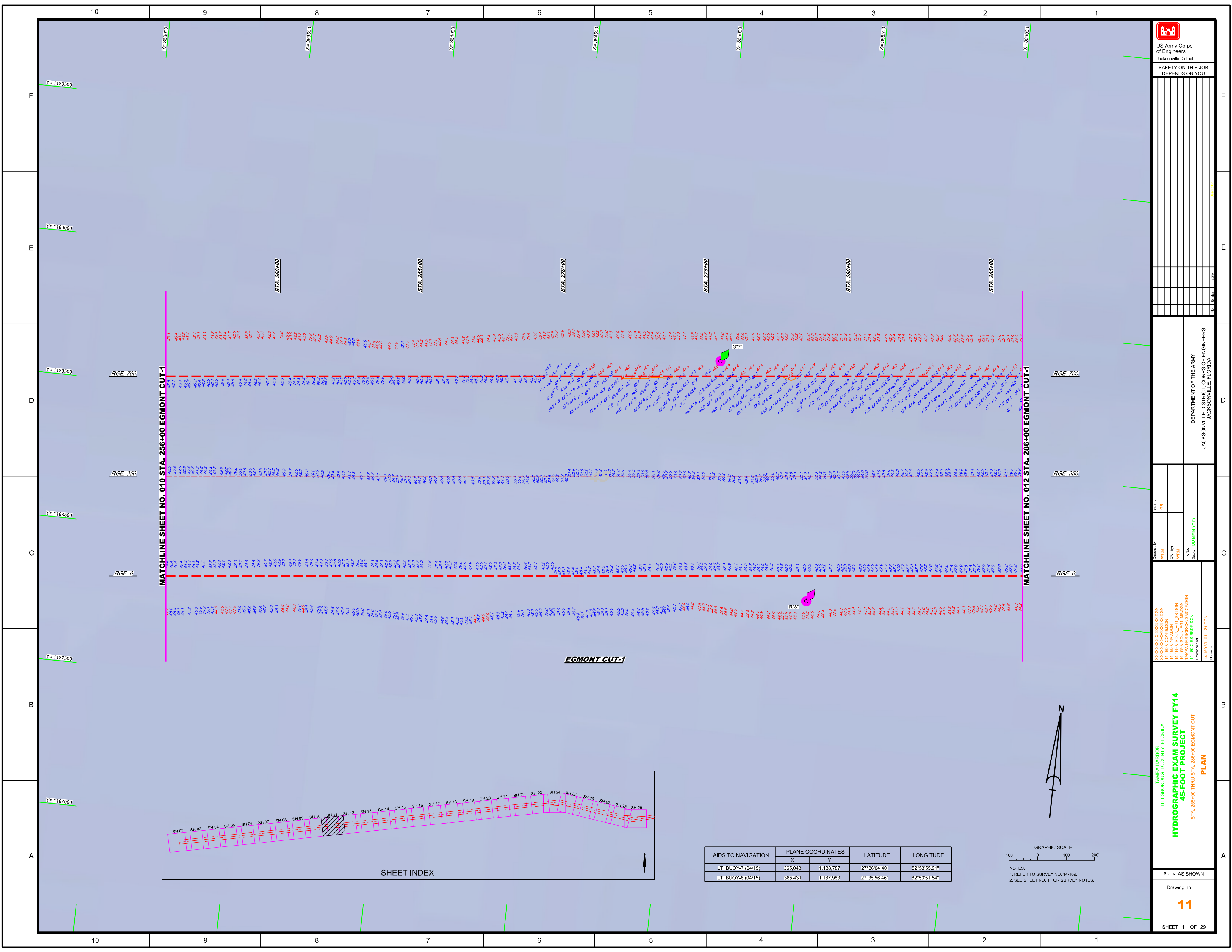
DEPARTMENT OF THE ARMY
 JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
 JACKSONVILLE, FLORIDA

Designed by: **WRM** Check by: **GR**
 Drawn by: **WRM** Date: **DD MMM YYYY**

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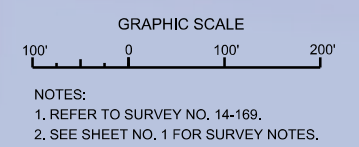
TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA
HYDROGRAPHIC EXAM SURVEY FY14
45-FOOT PROJECT
 STA. 226+00 THRU STA. 256+00 EGMONT CUT-1
PLAN


Scale: AS SHOWN
 Drawing no. **10**
 SHEET 10 OF 29



SHEET INDEX

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-7 (04/15)	365.043	1,188.787	27°36'04.40"	82°53'55.91"
LT. BUOY-8 (04/15)	365.431	1,187.983	27°35'56.46"	82°53'51.54"





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Jacksonville District

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JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

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14-169A-SOIL_EOI_S8.DGN
14-169A-NAV.DGN
14-169A-CANAL.DGN
14-169A-CANAL.DGN
14-169A-HR1_LZ.DGN

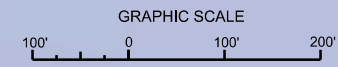
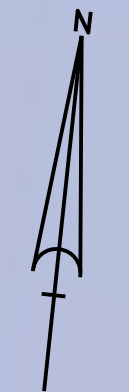
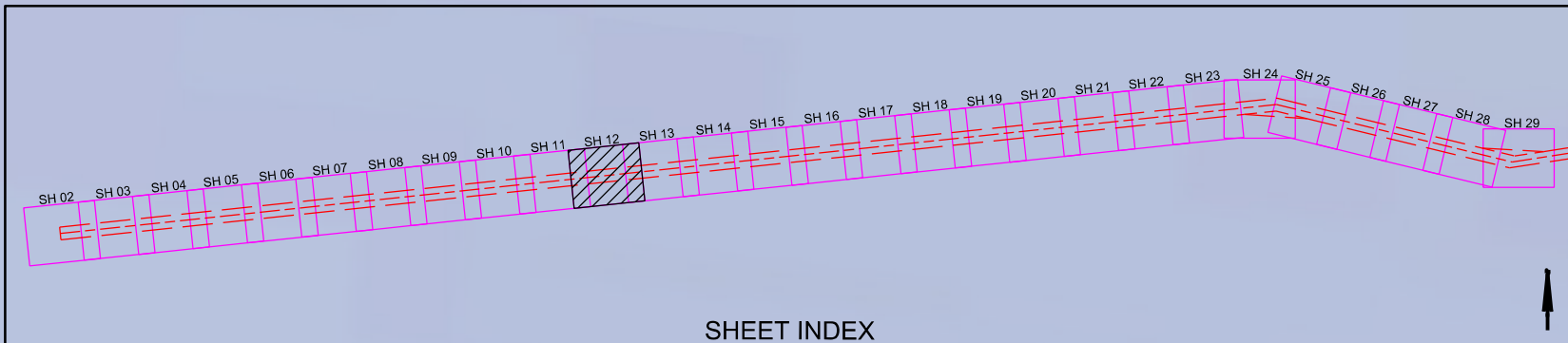
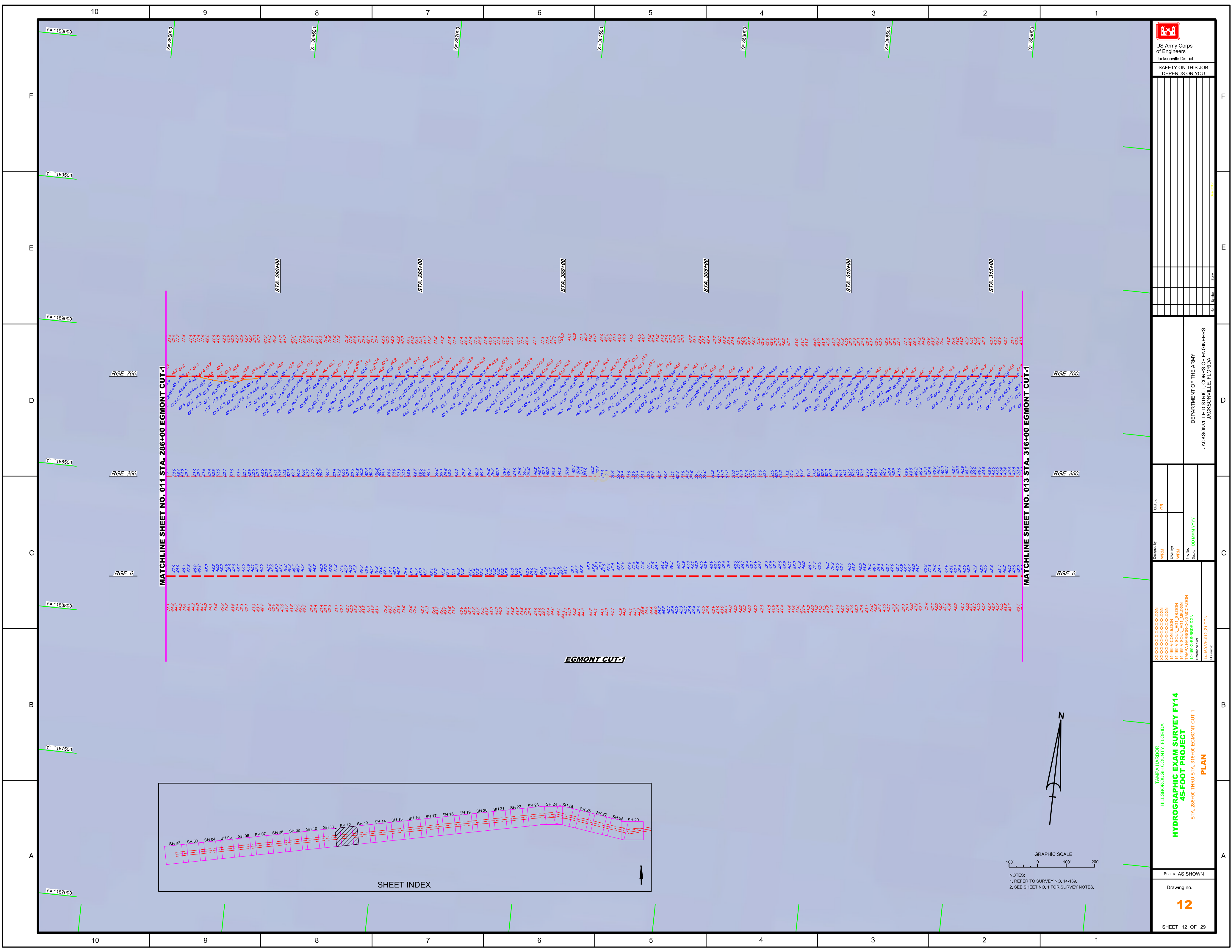
Checked By: GRL
Designed By: WRM
Drawn By: WRM
Plot Date: 00/00/00
Plot Name: DD/00/00

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA
HYDROGRAPHIC EXAM SURVEY FY14
45-FOOT PROJECT
STA. 256+00 THRU STA. 286+00 EGMONT CUT-1
PLAN

Scale: AS SHOWN

Drawing no.
11

SHEET 11 OF 29



NOTES:
1. REFER TO SURVEY NO. 14-169.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.



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JACKSONVILLE, FLORIDA

Checked by: GRL
Designed by: WRM
Drawn by: WRM
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Drawing Date:

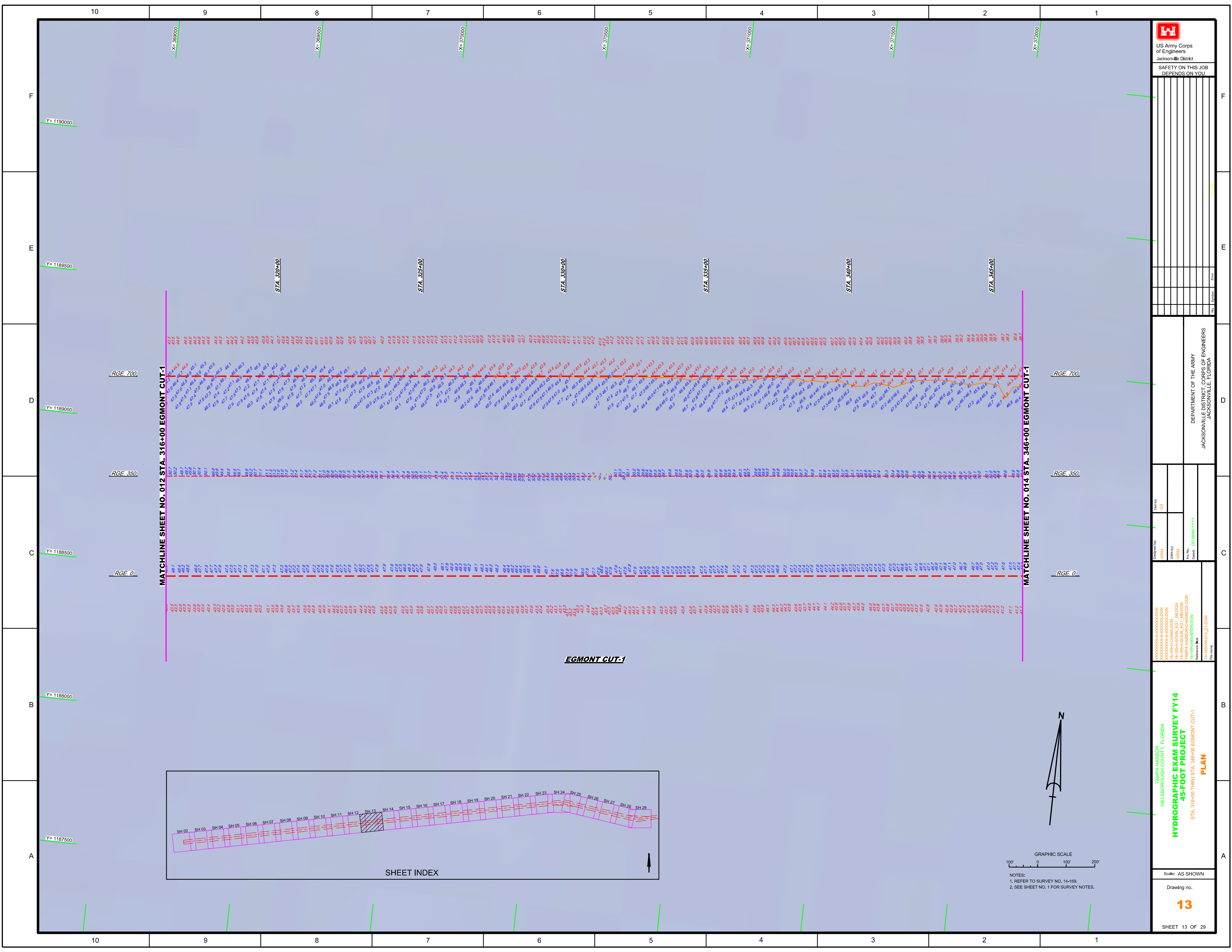
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TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA
**HYDROGRAPHIC EXAM SURVEY FY14
45-FOOT PROJECT**
STA. 286+00 THRU STA. 316+00 EGMONT CUT-1
PLAN

Scale: AS SHOWN
Drawing no.

12

SHEET 12 OF 29



US Army Corps of Engineers
Jacksonville District

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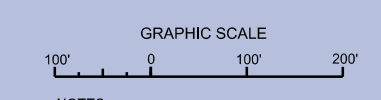
DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

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H:\186A\SOI\A_EGT_186.DGN
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H:\186A\BIB\BIB\186.DGN
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Reference files
File names

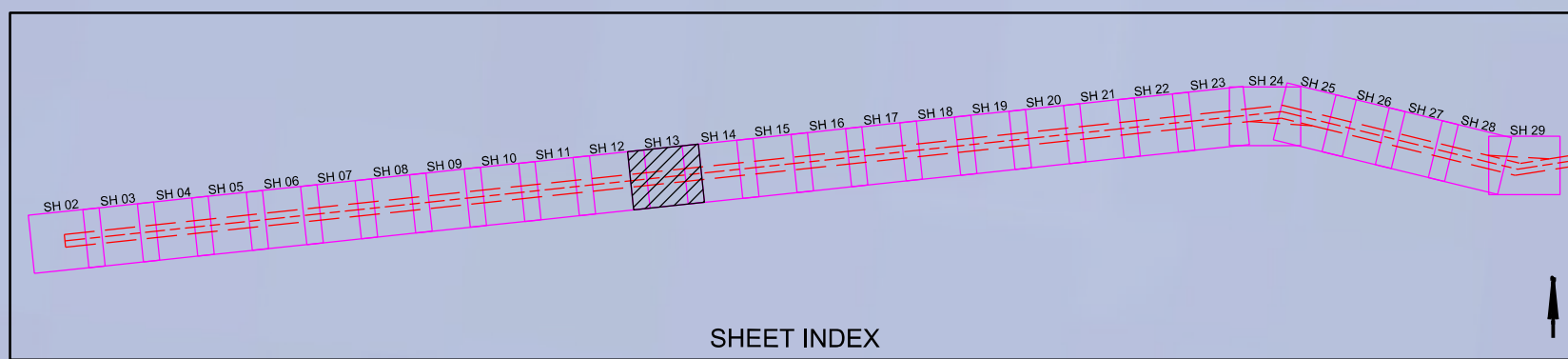
Checked by: GR
Designed by: WRM
Drawn by: WRM
Plot Date: DD/MM/YYYY
Plot Time: DD/MM/YYYY

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA
**HYDROGRAPHIC EXAM SURVEY FY14
45-FOOT PROJECT**
STA. 316+00 THRU STA. 346+00 EGMONT CUT-1
PLAN

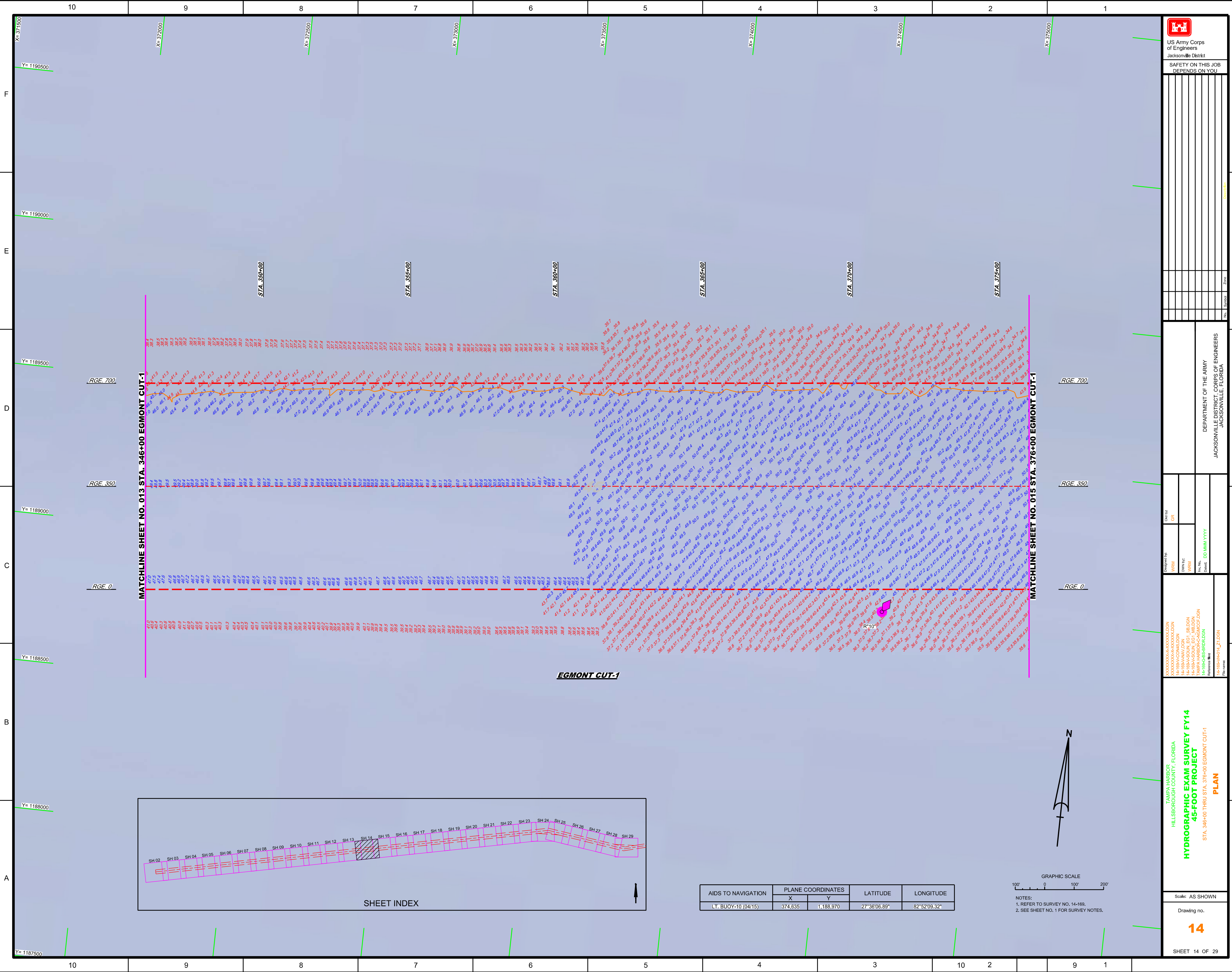
Scale: AS SHOWN
Drawing no.
13
SHEET 13 OF 29



NOTES:
1. REFER TO SURVEY NO. 14-169,
2. SEE SHEET NO. 1 FOR SURVEY NOTES.



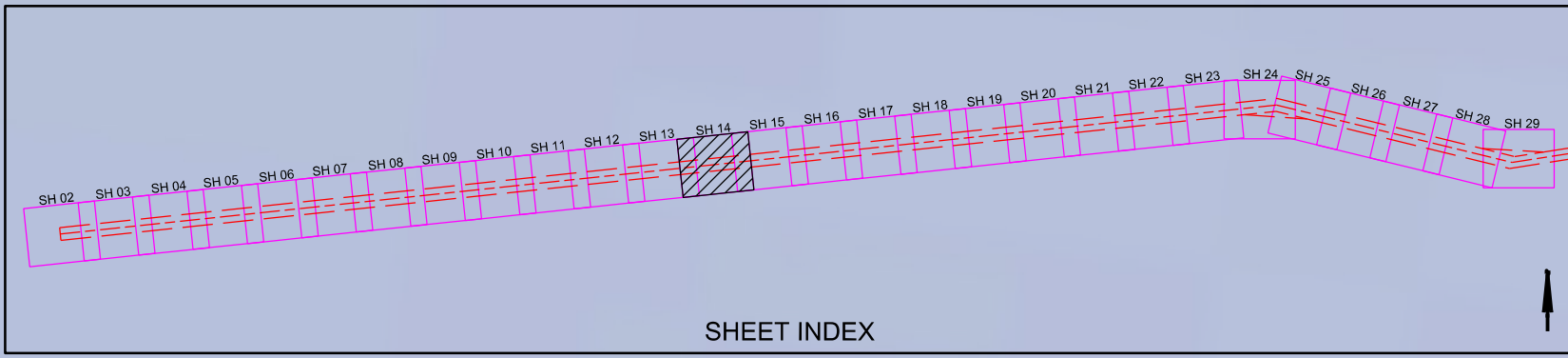
EGMONT CUT-1



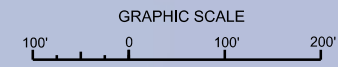
MATCHLINE SHEET NO. 013 STA. 346+00 EGMONT CUT-1

MATCHLINE SHEET NO. 015 STA. 376+00 EGMONT CUT-1

EGMONT CUT-1



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-10 (04/15)	374,635	1,188,970	27°38'06.89"	82°52'09.32"



NOTES:
 1. REFER TO SURVEY NO. 14-169.
 2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
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Designed by: **WRM**
 Check by: **GR**

Drawn by: **WRM**
 Checked by: **DO/AMM/YYY**

Reference files:
 14-169A-HR1-LZ.DGN
 14-169A-HR1-LZ.DGN

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

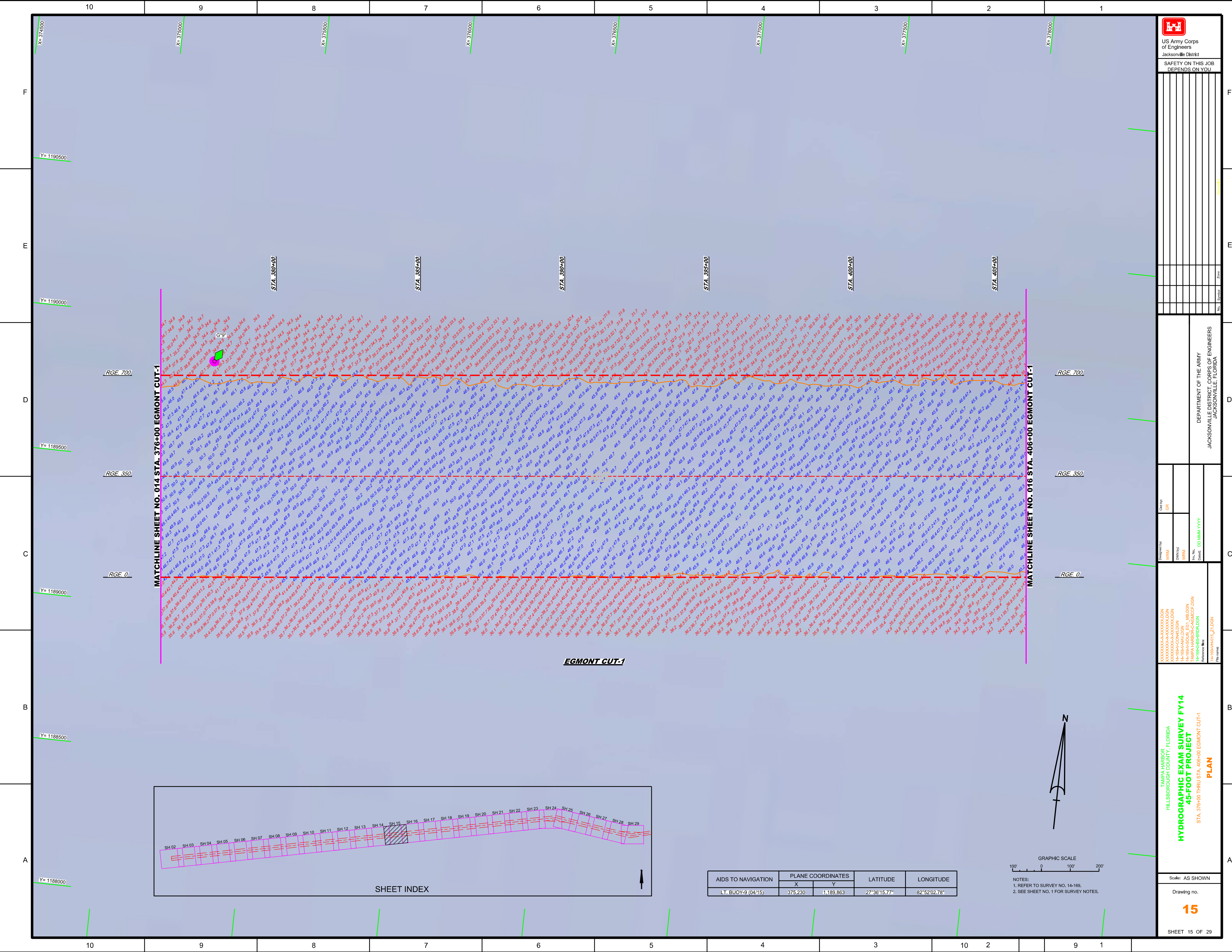
TAMPA HARBOR
 HILLSBOROUGH COUNTY, FLORIDA
**HYDROGRAPHIC EXAM SURVEY FY14
 45-FOOT PROJECT**
 STA. 346+00 THRU STA. 376+00 EGMONT CUT-1
PLAN

Scale: AS SHOWN

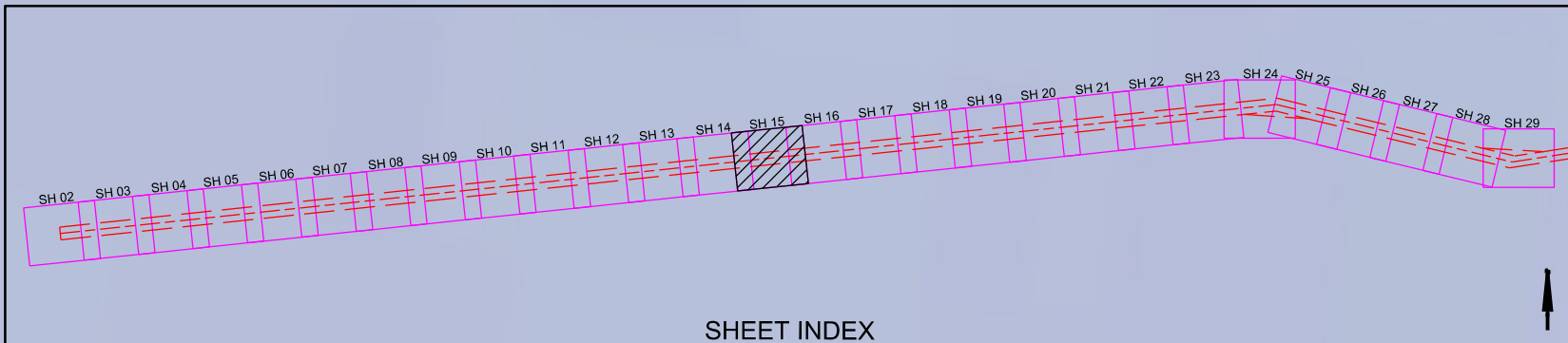
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14

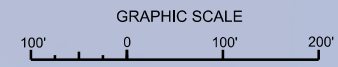
SHEET 14 OF 29



EGMONT CUT-1



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
Lt. BUOY-9 (04/15)	375,230	1,189,863	27°36'15.77"	82°52'02.78"



NOTES:
 1. REFER TO SURVEY NO. 14-189.
 2. SEE SHEET NO. 1 FOR SURVEY NOTES.

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JACKSONVILLE, FLORIDA

Drawn By: GR Checked By: GR Designated By: GR Design Date: 00/00/00	Date: 00/00/00 Scale: AS SHOWN Title: PLAN Drawing No.: 15 Sheet: 15 OF 29
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TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA
HYDROGRAPHIC EXAM SURVEY FY14
45-FOOT PROJECT
STA. 376+00 THRU STA. 406+00 EGMONT CUT-1

