TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA
EGMONT KEY CUTS 1 & 2 (ZONE 1)
HYDROGRAPHIC EXAM SURVEY FY18
45-FOOT PROJECT

SURVEY NOTES

1. REFER TO SURVEY NO. 18-139.
2. DEPTHS DEPEICTED BY THIS SURVEY ARE IN FEET AND TENTHS AND ARE REFERENCED TO MLLW, TIDAL EPOCH 1983-2001, AS REPORTED BY THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA). A MODIFIED VERSION OF NOAA'S VDATUM MODEL WAS USED TO CALIBRATE TO THE PUBLISHED MLLW HEIGHTS OF THE BENCH MARKS BELOW:

   NOAA TIDAL STATION 872-6367 FOR ALL CUTS (PID: AG7401)
3. TIDAL REDUCTIONS WERE OBTAINED UTILIZING A REAL-TIME KINEMATIC (RTK) GPS AND REFERENCED TO MLLW UTILIZING A HYPACK KINEMATIC TIDE DATUM (KTD) MODEL. FILE NAME IS: "SPC-FL-WEST-2010-12-07.KTD".
4. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEEDED 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)

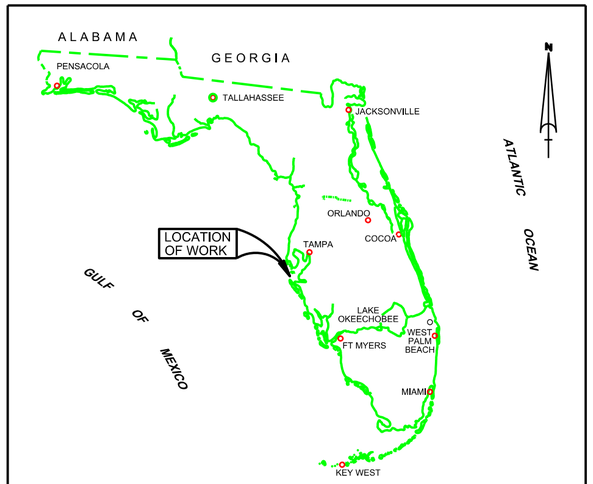
   REFERENCE BASE LOCATED AT "R POWERS" (PID: BBDR33)

   TIDESTAFF SET FROM "872 6367 C" (PID: AG7401)
8. VERTICAL MEASUREMENTS WERE MADE USING A R2SONIC 2024 MULTI-BEAM SENSOR OPERATING AT 240 KHZ , A ROSS 835B DUAL-FREQUENCY 28/200 KHZ SMARTSOUNDER SINGLE-BEAM TRANSDUCER AND AN EDGE-TECH 6205 COMBINED SIDESCAN AND MULTI-BEAM TRANSDUCER. ALL SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.

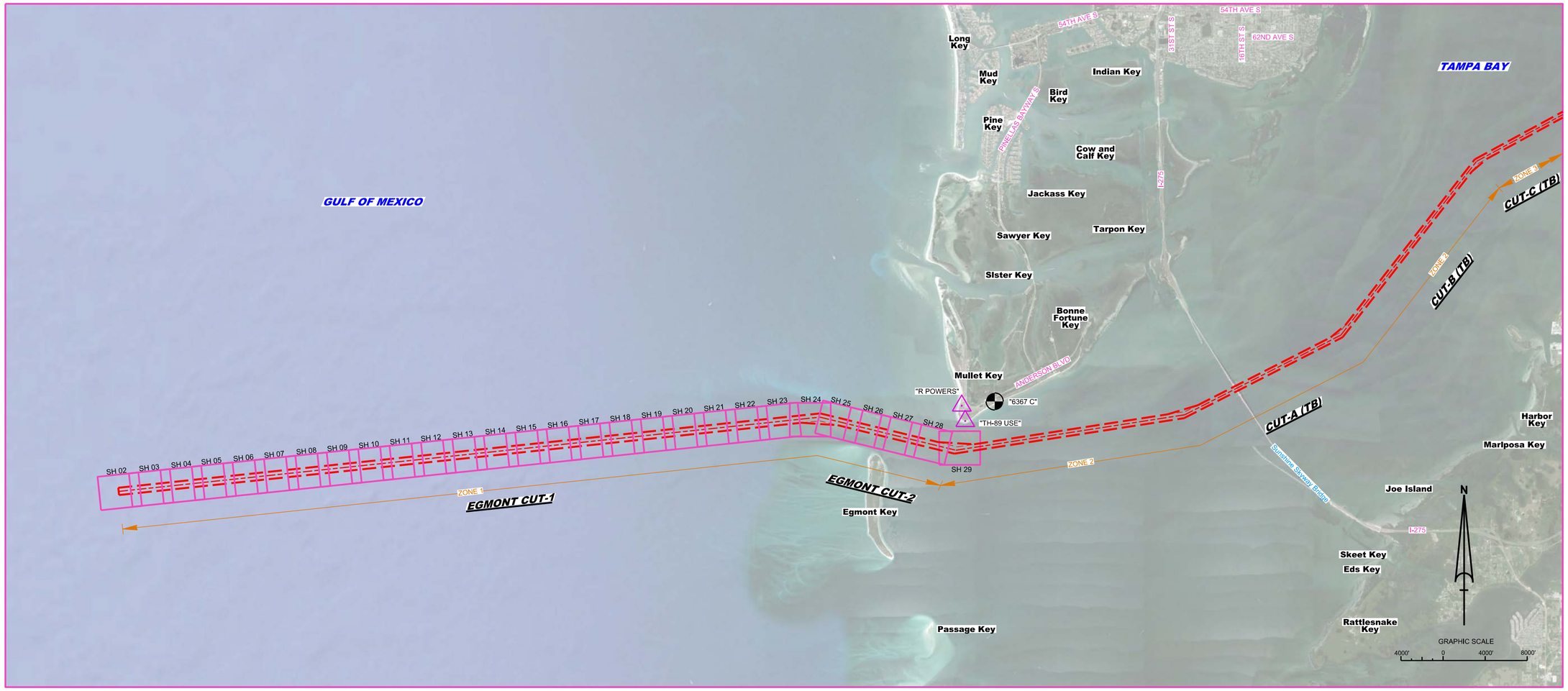
VESSEL	DATE OF SURVEY	CUT
SV JACKSONVILLE	24 MAY 2018	EGMONT CUT-2
SB-44	20 JUN 2018	EGMONT CUT-1
SV JACKSONVILLE	21-23 JUN 2018	EGMONT CUT-1
SV JACKSONVILLE	03, 07 JUL 2018	EGMONT CUT-1

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
C	CAN BUOY
N	NUN BUOY
	TIDE STAFF
8	PROJECT DEPTH



LOCATION MAP



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: GMR
Inv. No.
Dated: JUL 2018

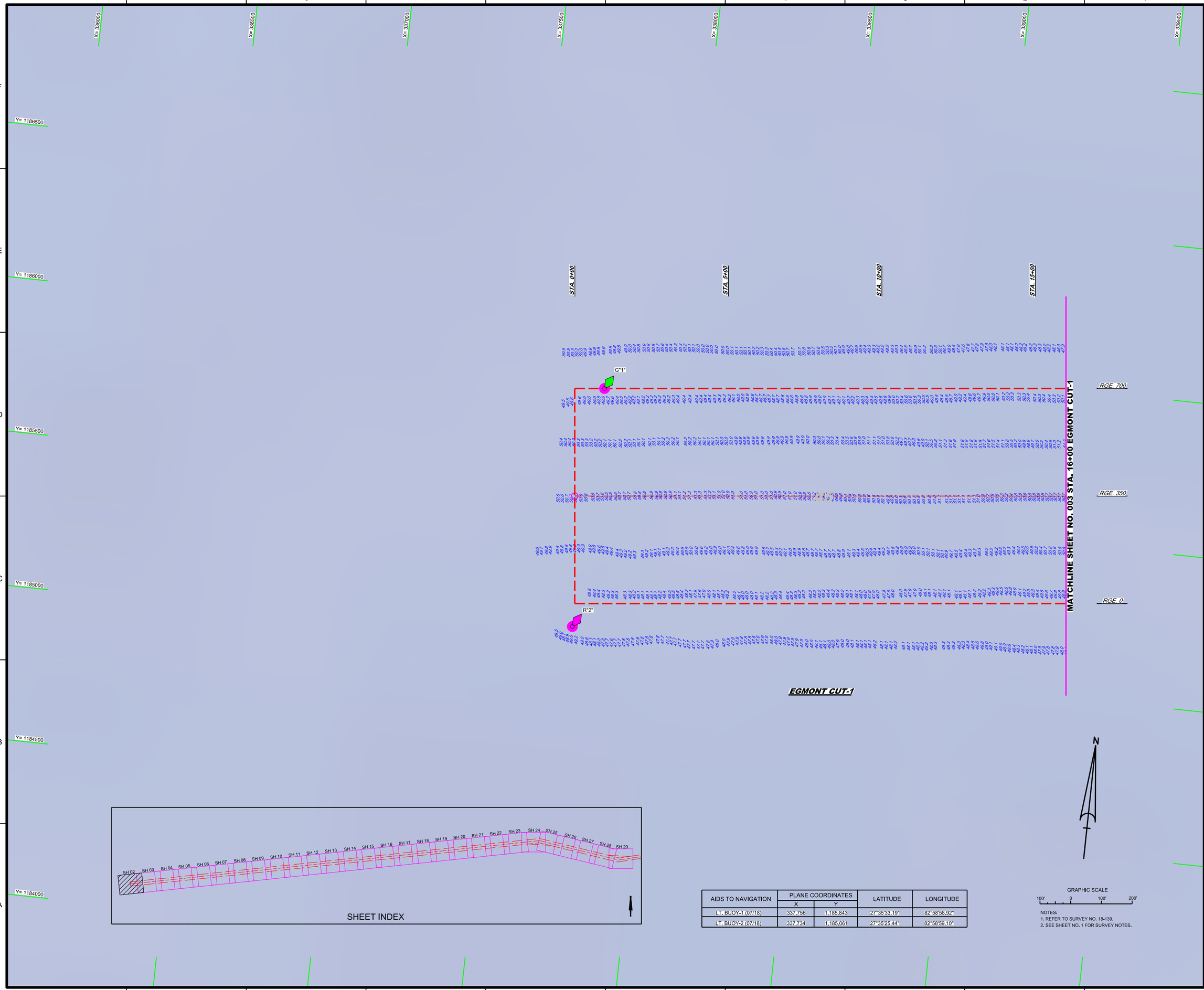
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
18-139-AHNDA_ZONE1.DGN
TAMPA HARBOR-C-NGMCCF.DGN
18-139-C-BS-BRDR.DGN
Reference files:
18-139-FH-001_21.DGN
File name:

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA
HYDROGRAPHIC EXAM SURVEY FY18
45-FOOT PROJECT
INDEX, LOCATION AND VICINITY
MAP

Scale: AS SHOWN

Drawing no.
1

SHEET 01 OF 29



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-1 (07/18)	337,756	1,185,843	27°35'33.19"	82°58'58.92"
LT. BUOY-2 (07/18)	337,734	1,185,061	27°35'25.44"	82°58'59.10"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 18-139.
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: GMR
Proj. No.
Date: JUL 2018

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
18-139-VICINITY.DGN
18-139-VSQUIN_EG1_SB.DGN
TAMPA HARBOR-CANCMCCF.DGN
Reference files:
18-139-C-BS-BRGR.DGN
18-139-VH-002_Z1.DGN
File name:

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY18
45-FOOT PROJECT

STA. 0+00 THRU STA. 16+00 EGMONT CUT-1

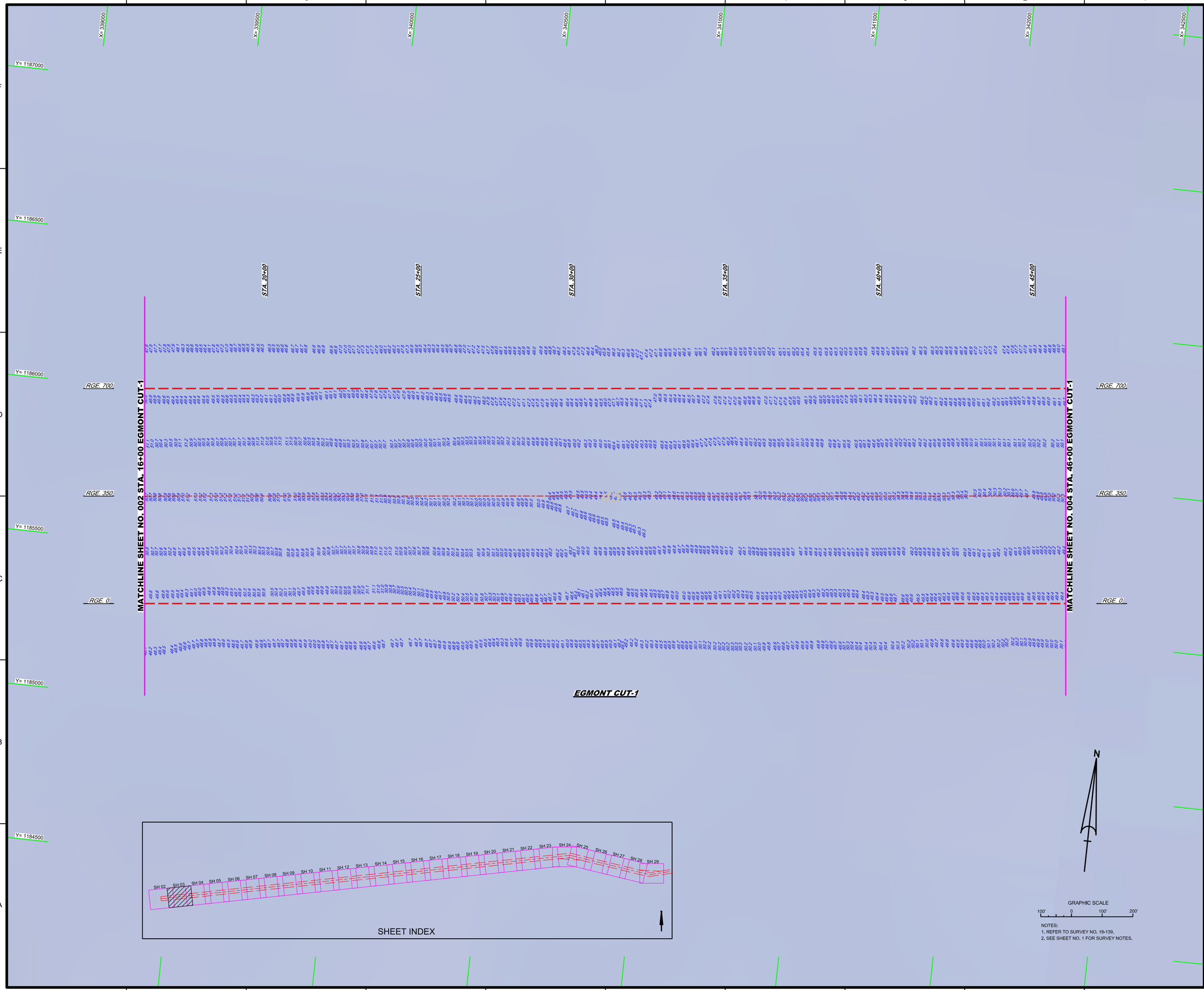
PLAN

Scale: AS SHOWN

Drawing no.

2

SHEET 02 OF 29



NOTES:
1. REFER TO SURVEY NO. 18-139.
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
Chkd by: GR
Proj. No.
Date: JUL 2018

X:\XXXXXXXX-XXXXXX.DGN
XXXXXXXX-XXXXXX.DGN
XXXXXXXX-XXXXXX.DGN
XXXXXXXX-XXXXXX.DGN
XXXXXXXX-XXXXXX.DGN
18-139-A-SDUN_EG1_SB.DGN
TAMPA HARBOR-C-NGMCCF.DGN
18-139-C-BS-BRDR.DGN
Reference files

18-139-VH-003_Z1.DGN
File name:

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY18
45-FOOT PROJECT

STA. 16+00 THRU STA. 46+00 EGMONT CUT-1

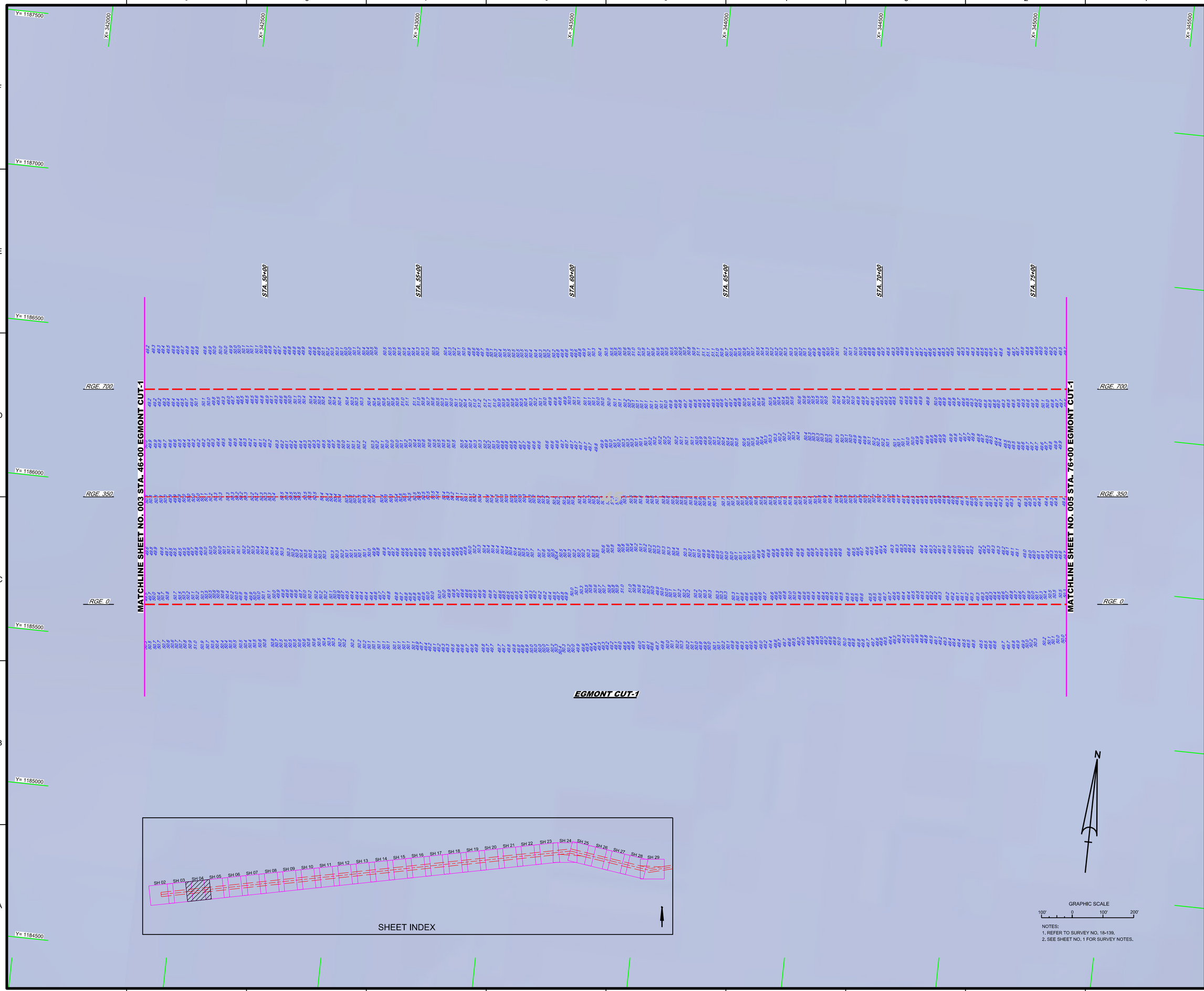
PLAN

Scale: AS SHOWN

Drawing no.

3

SHEET 03 OF 29



NOTES:
1. REFER TO SURVEY NO. 18-139.
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: MRM
DWN by: MRM
Ckd by: GMR
Proj. No.
Date: JUL 2018

XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
18-139A-SDQN_EG1_SB.DGN
TAMPA HARBOR-C-NGMCCF.DGN
18-139A-B-SBRDR.DGN
Reference files

18-139A-HH004_Z1.DGN
File name:

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY18
45-FOOT PROJECT

STA. 46+00 THRU STA. 76+00 EGMONT CUT-1

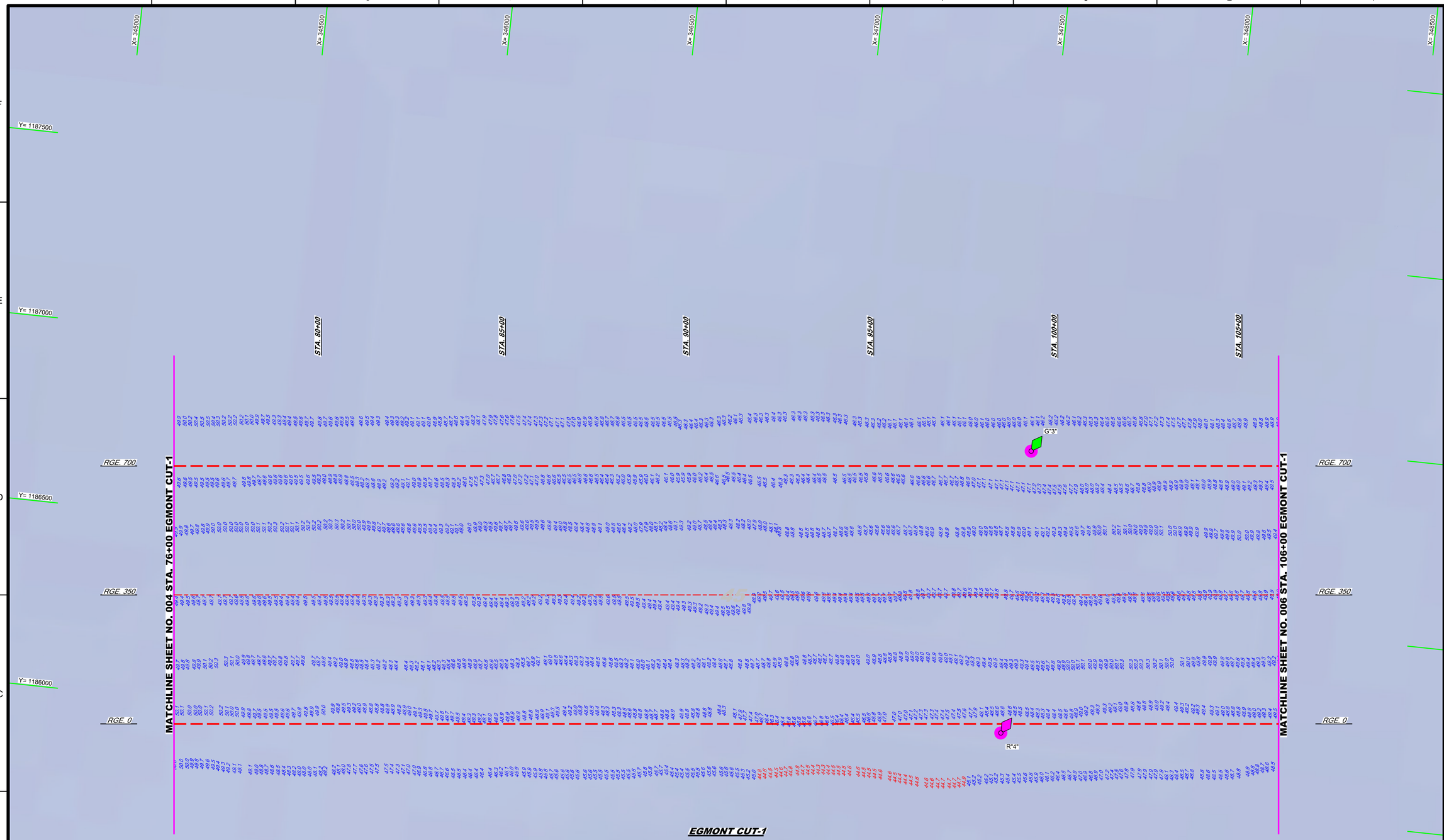
PLAN

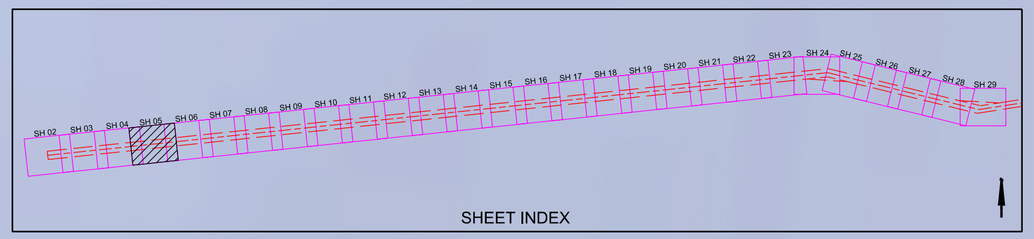
Scale: AS SHOWN

Drawing no.

4

SHEET 04 OF 29





SHEET INDEX

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-3 (07/18)	347,529	1,186,919	27°35'44.60"	82°57'10.42"
LT. BUOY-4 (07/18)	347,527	1,186,149	27°35'36.98"	82°57'10.37"

N

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 18-139.
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: GMR
Plot No.
Date: JUL 2018

XXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXX.DGN
18-139-A-SDUN_EG1_SB.DGN
TAMPA HARBOR-C-NGMCCF.DGN
18-139-C-BS-BRDR.DGN
Reference files:
18-139-VH-005_Z1.DGN
File name:

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY18
45-FOOT PROJECT

STA. 76+00 THRU STA. 106+00 EGMONT CUT-1

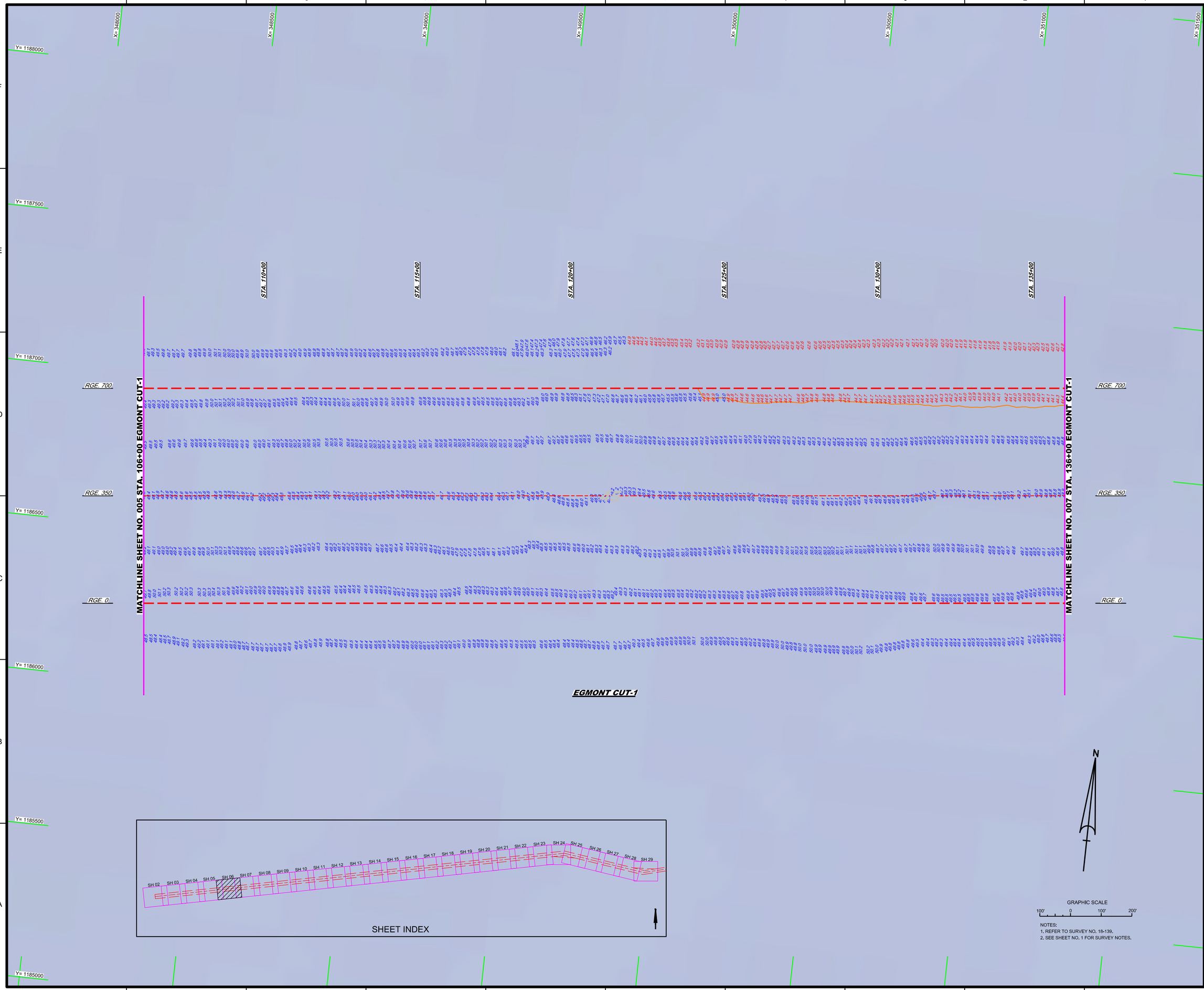
PLAN

Scale: AS SHOWN

Drawing no.

5

SHEET 05 OF 29



NOTES:
1. REFER TO SURVEY NO. 18-139.
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: MRM
Drawn by: MRM
Checked by: GMR
Proj. No.
Date: JUL 2018

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
18-139-A-SOUN_EG1_SB.DGN
TAMPA HARBOR-C-NGMCCF.DGN
18-139-C-BS-BRDR.DGN
Reference files

18-139-VH-006_Z1.DGN
File name:

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY18
45-FOOT PROJECT

STA. 106+00 THRU STA. 136+00 EGMONT CUT-1

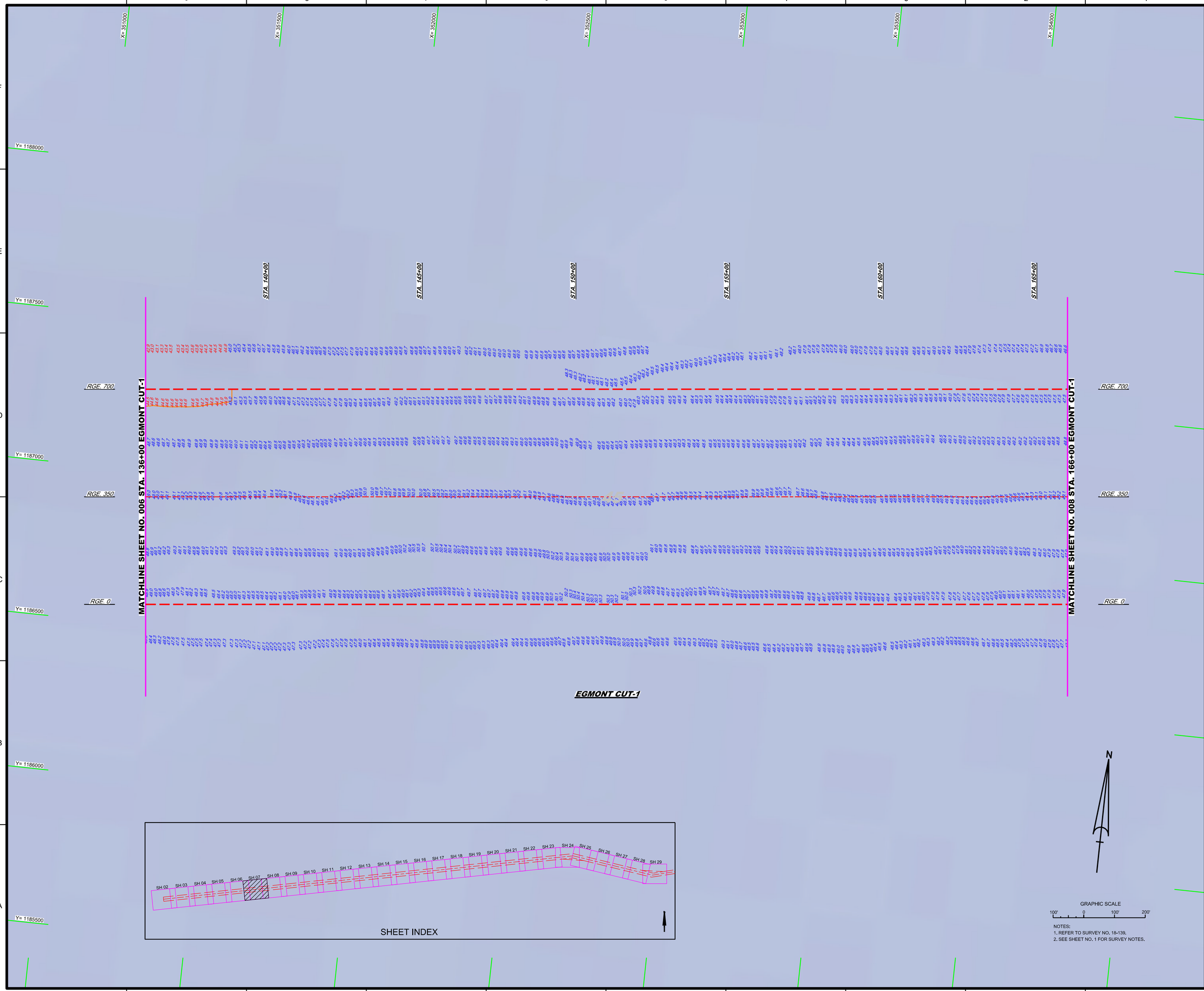
PLAN

Scale: AS SHOWN

Drawing no.

6

SHEET 06 OF 29



NOTES:
1. REFER TO SURVEY NO. 18-139.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone

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

Designed by: VIRM
DWN by: VIRM
Ckd by: GMR
Rev. No.
Date: JUL 2018

XXXXXXXXX-XXXXXXX.DGN
XXXXXXXXX-XXXXXXX.DGN
XXXXXXXXX-XXXXXXX.DGN
18-139-CONTROL.DGN
18-139-A-SOUNDING_SB.DGN
TAMPA HARBOR-C-NGMCF.DGN
18-139-C-SB-BNDRY.DGN
Reference files:
18-139-VH-007_Z1.DGN
File name:

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY18
45-FOOT PROJECT

STA. 136+00 THRU STA. 166+00 EGMONT CUT-1

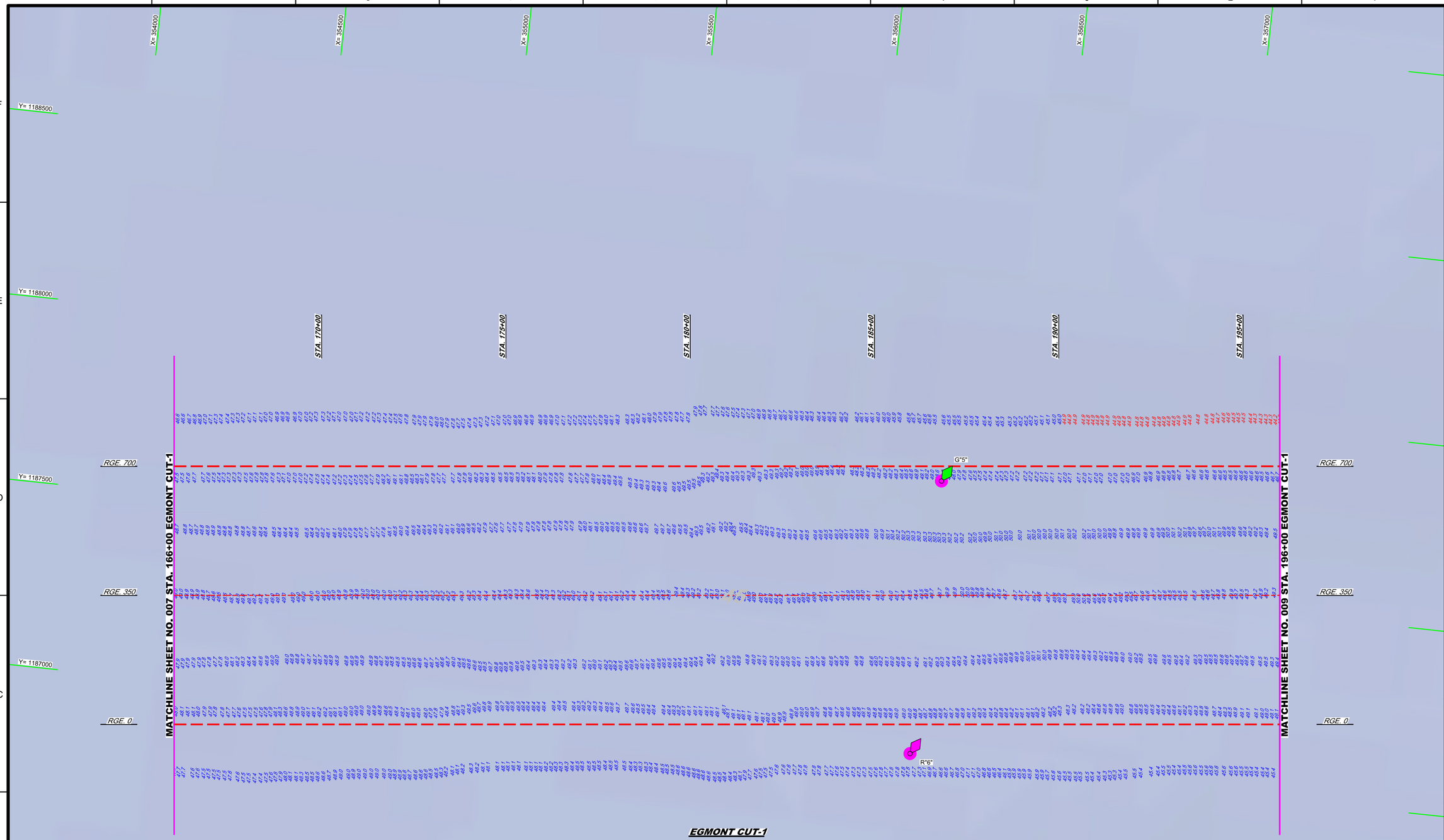
PLAN

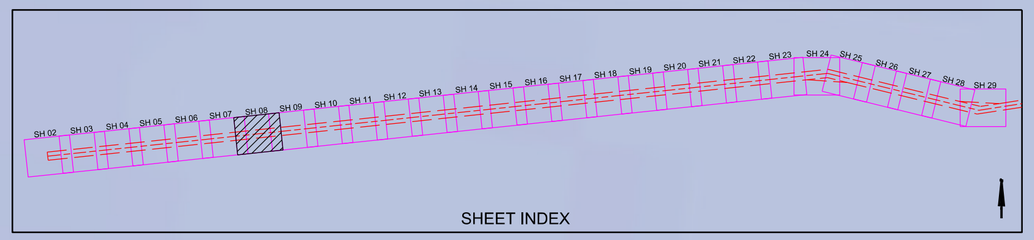
Scale: AS SHOWN

Drawing no.

7

SHEET 07 OF 29





SHEET INDEX

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-5 (07/18)	356,242	1,187,762	27°35'53.60"	82°55'33.64"
LT. BUOY-6 (07/18)	356,235	1,187,018	27°35'46.23"	82°55'33.66"

N

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 18-139.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone

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

Designed by: VIRM
DWN by: VIRM
Ckd by: GMR
Rev. No.
Date: JUL 2018

XXXXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXXXX.DGN
18-139-VAULT_EG1_SB.DGN
18-139-VSOUN_EG1_SB.DGN
TAMPA HARBOR-C-NGMCF.DGN
18-139-C-SB-BKDR.DGN
Reference files:
18-139-VHD08_Z1.DGN
File name:

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY18
45-FOOT PROJECT

STA. 166+00 THRU STA. 196+00 EGMONT CUT-1

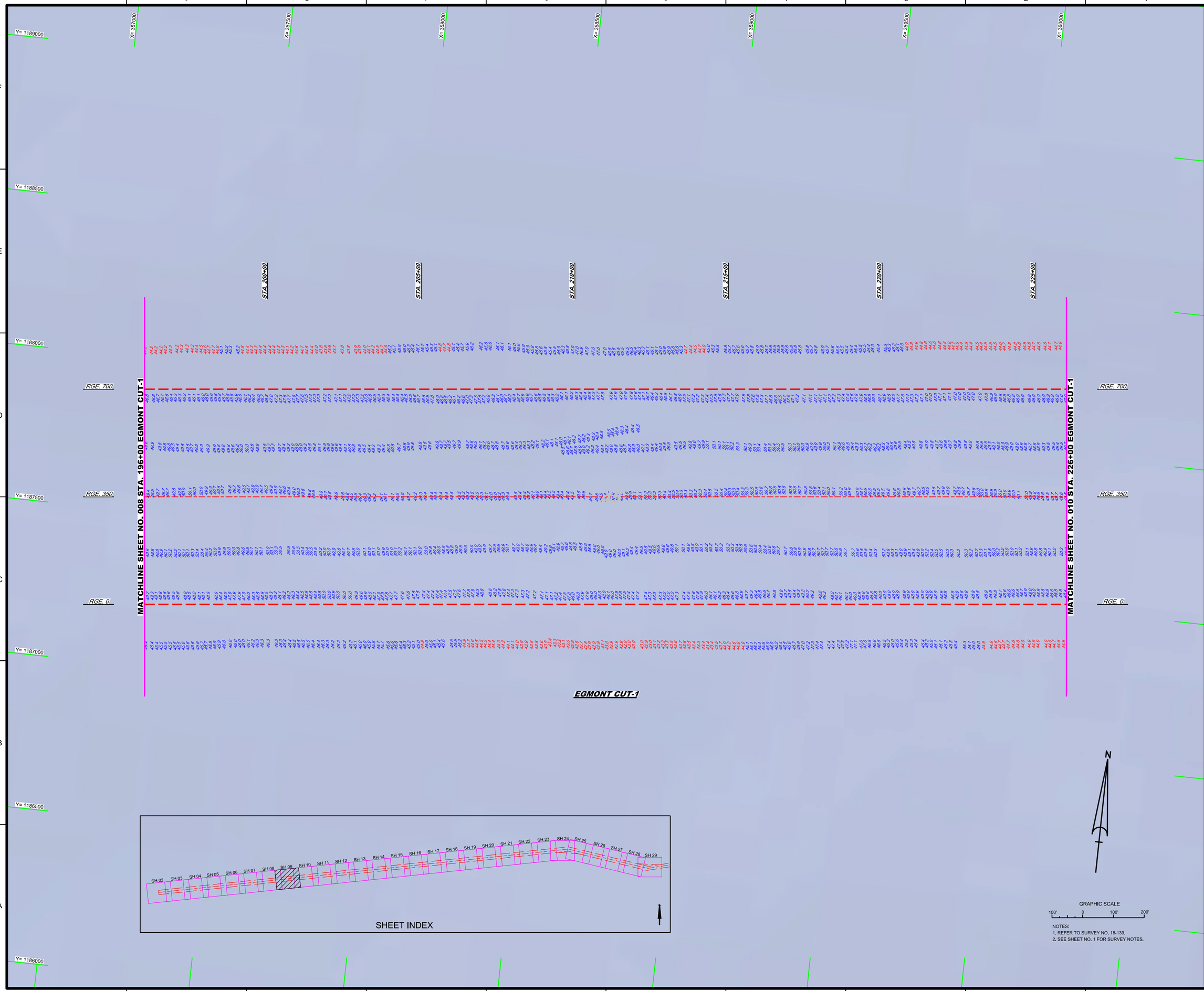
PLAN

Scale: AS SHOWN

Drawing no.

8

SHEET 08 OF 29



NOTES:
1. REFER TO SURVEY NO. 18-139.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone

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

Designed by: VIRM
DWN by: VIRM
Chk by: CMR
Rev. No.
Date: JUL 2018

XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
18-139-VSQUIL_EG1_SB.DGN
TAMPA HARBOR-C-NGMCF.DGN
18-139-C-SS-ENDR.DGN
Reference files:
18-139-VH-009_Z1.DGN
File name:

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY18
45-FOOT PROJECT

STA. 196+00 THRU STA. 226+00 EGMONT CUT-1

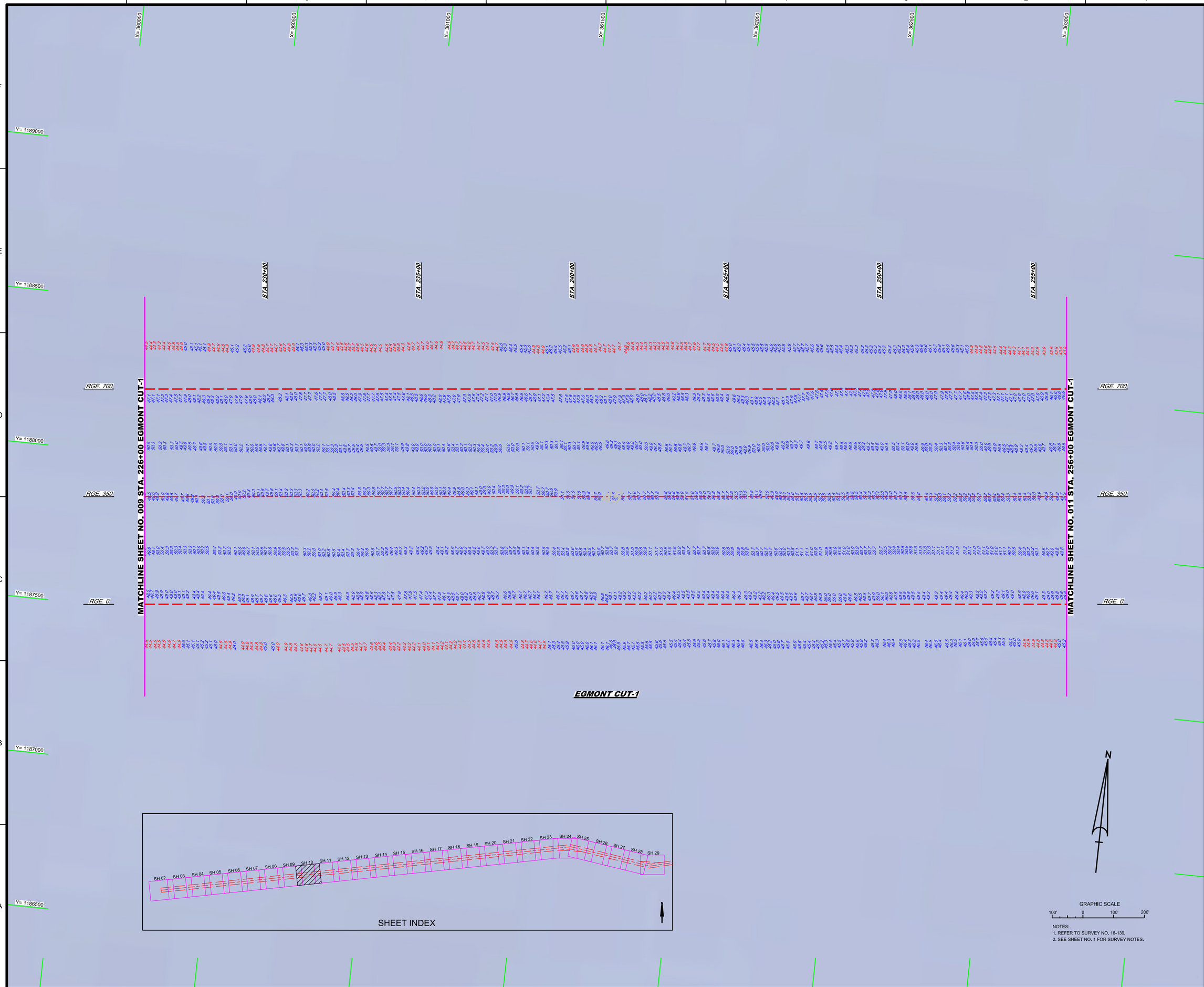
PLAN

Scale: AS SHOWN

Drawing no.

9

SHEET 09 OF 29



NOTES:
1. REFER TO SURVEY NO. 18-139.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone

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

Designed by: VIRM
DWN by: VIRM
Chk'd by: CMR
Rev. No.
Date: JUL 2018

XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
18-139-VSQUIL_EG1_SB.DGN
TAMPA HARBOR-C-NGMCF.DGN
18-139-C-SHORLINE.DGN
Reference files:
18-139-VH-010_Z1.DGN
File name:

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY18
45-FOOT PROJECT

STA. 226+00 THRU STA. 256+00 EGMONT CUT-1

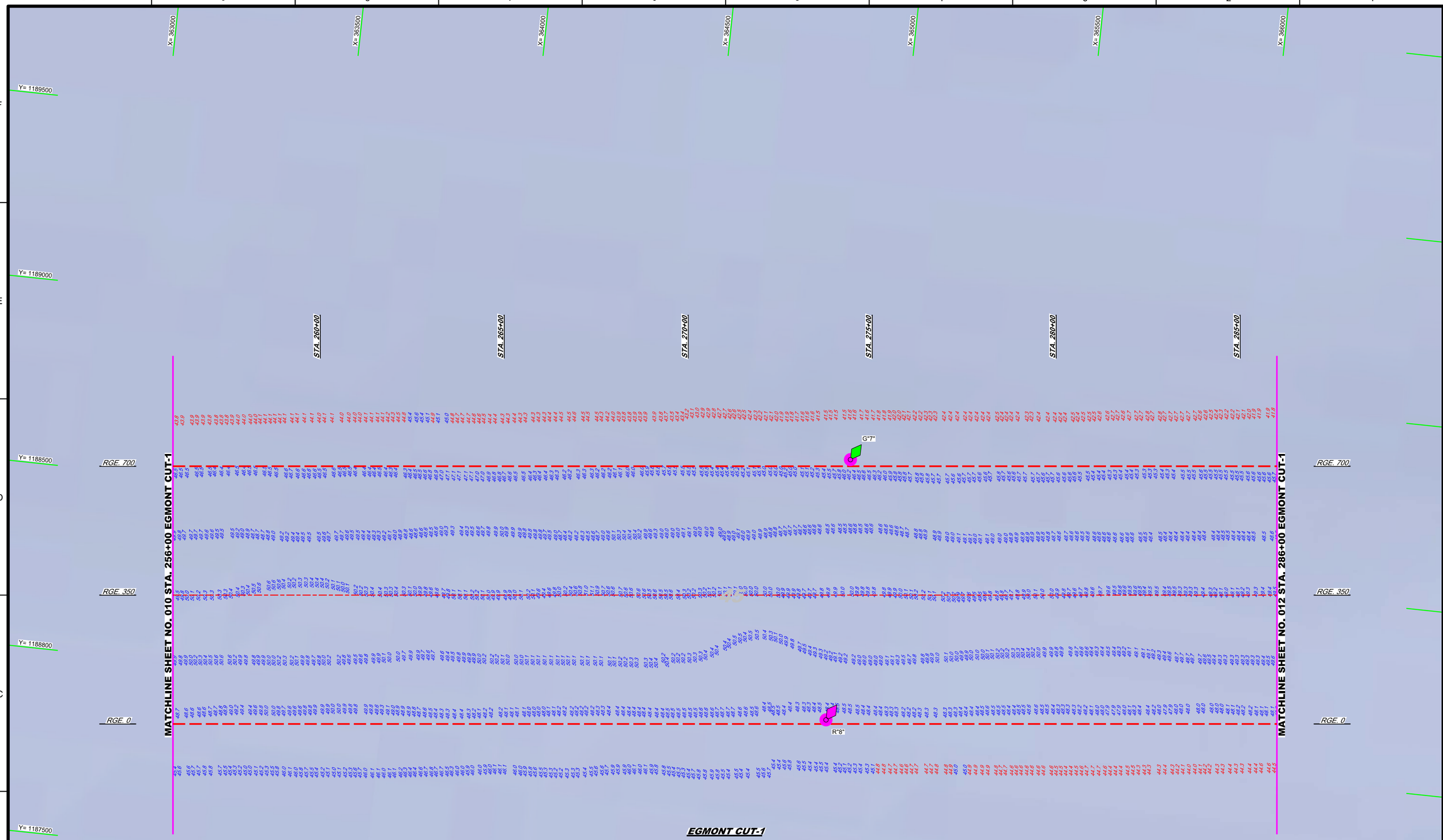
PLAN

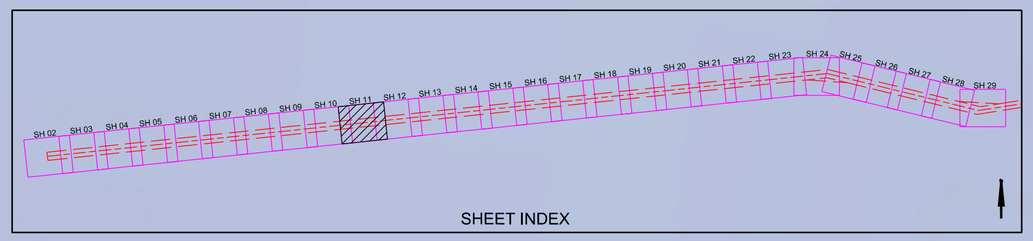
Scale: AS SHOWN

Drawing no.

10

SHEET 10 OF 29





SHEET INDEX

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-7 (07/18)	364,946	1,188,743	27°36'03.95"	82°53'56.99"
LT. BUOY-8 (07/18)	364,655	1,188,033	27°35'56.92"	82°53'56.84"

N

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 18-139.
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: GMR
Proj. No.
Date: JUL 2018

XXXXXXXXXX-XXXXXXX.DGN
XXXXXXXXXX-XXXXXXX.DGN
XXXXXXXXXX-XXXXXXX.DGN
18-139-A-SOUN_EG1.DGN
18-139-A-SOUN_EG1_SB.DGN
TAMPA HARBOR-C-NGMCCF.DGN
18-139-C-BS-SPGR.DGN
Reference files:

18-139-VH-011_Z1.DGN
File name:

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY18
45-FOOT PROJECT

STA. 256+00 THRU STA. 286+00 EGMONT CUT-1

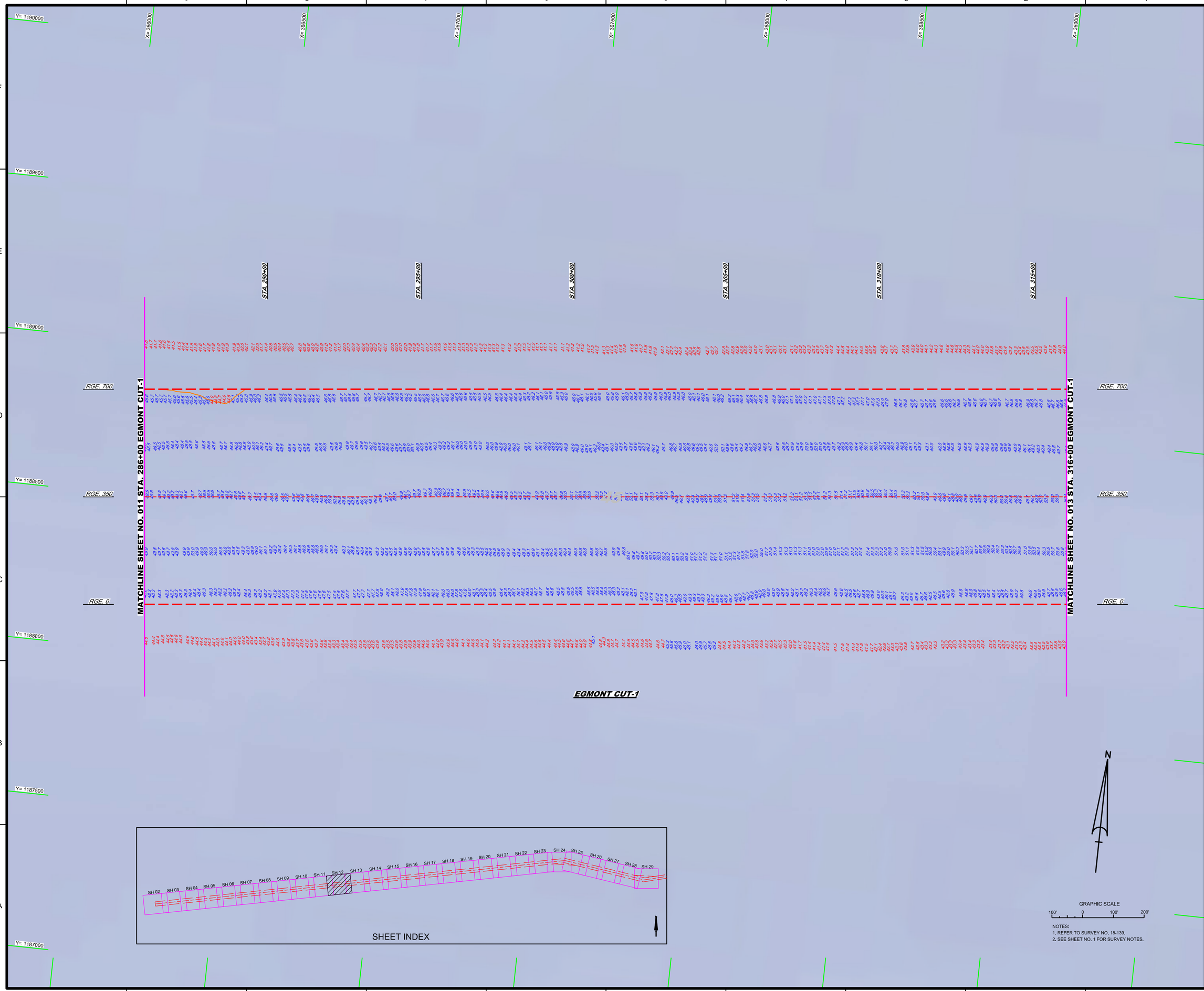
PLAN

Scale: AS SHOWN

Drawing no.

11

SHEET 11 OF 29



NOTES:
1. REFER TO SURVEY NO. 18-139.
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: GMR
Proj. No.
Date: JUL 2018

XXXXXXXXXX-XXXXXXX.DGN
XXXXXXXXXX-XXXXXXX.DGN
XXXXXXXXXX-XXXXXXX.DGN
18-139-XXXXXXXXXX.DGN
18-139-A-SOUN_EG1_SB.DGN
TAMPA HARBOR-C-NGMCCF.DGN
Reference files:
18-139-UHH012_Z1.DGN
File name:

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY18
45-FOOT PROJECT

STA. 286+00 THRU STA. 316+00 EGMONT CUT-1

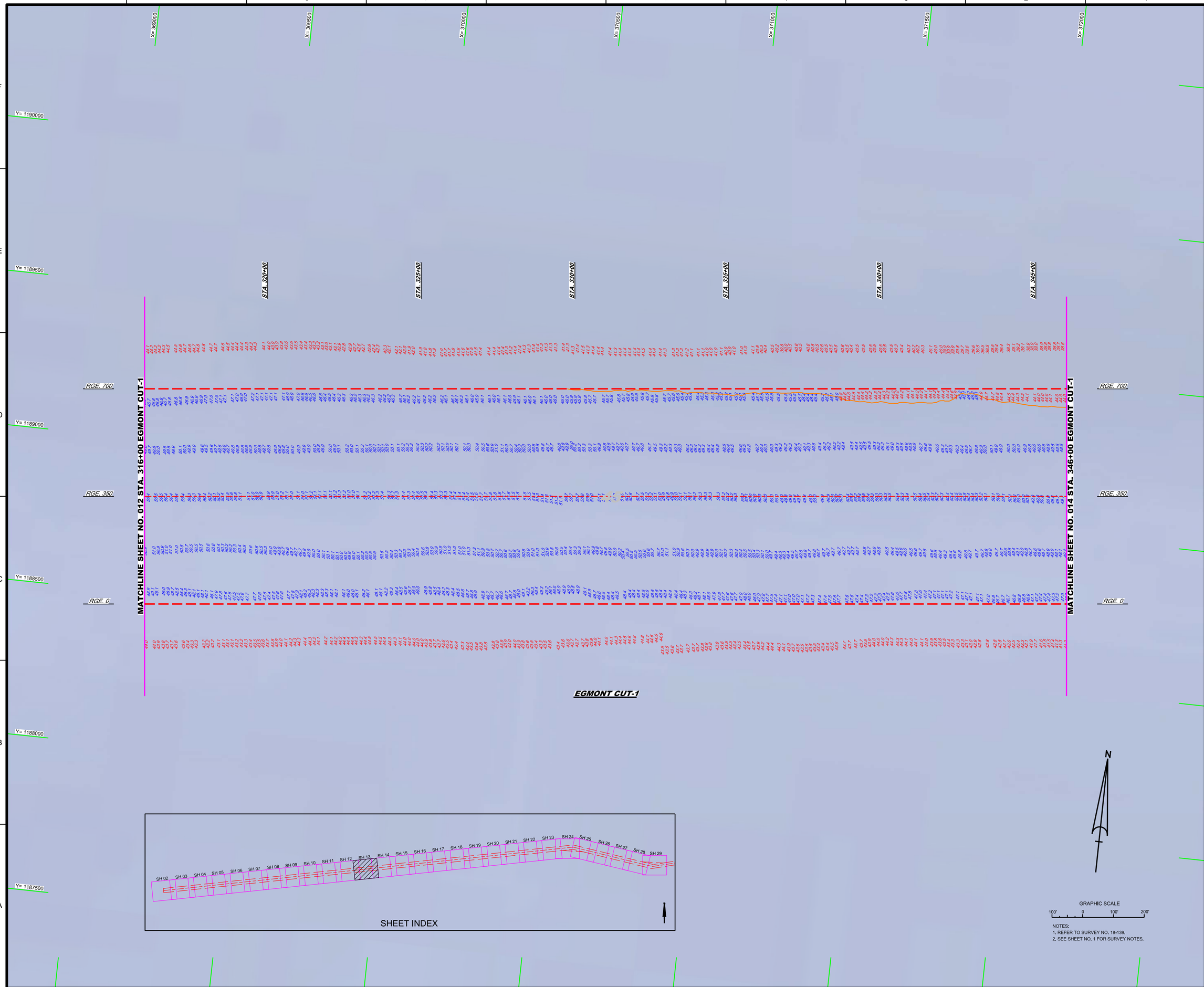
PLAN

Scale: AS SHOWN

Drawing no.

12

SHEET 12 OF 29



NOTES:
1. REFER TO SURVEY NO. 18-139.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone

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

Designed by: VIRM
DWN by: VIRM
Chk by: CMR
Rev. No.
Date: JUL 2018

XXXXXXXXXX-XXXXXXX.DGN
XXXXXXXXXX-XXXXXXX.DGN
18-139-VH-CONTROL.DGN
18-139-VH-SOUN_EG1_SB.DGN
TAMPA HARBOR-C-NGMCF.DGN
18-139-C-SB-BNDRL.DGN
Reference files:

18-139-VH-013_Z1.DGN
File name:

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY18
45-FOOT PROJECT

STA. 316+00 THRU STA. 346+00 EGMONT CUT-1

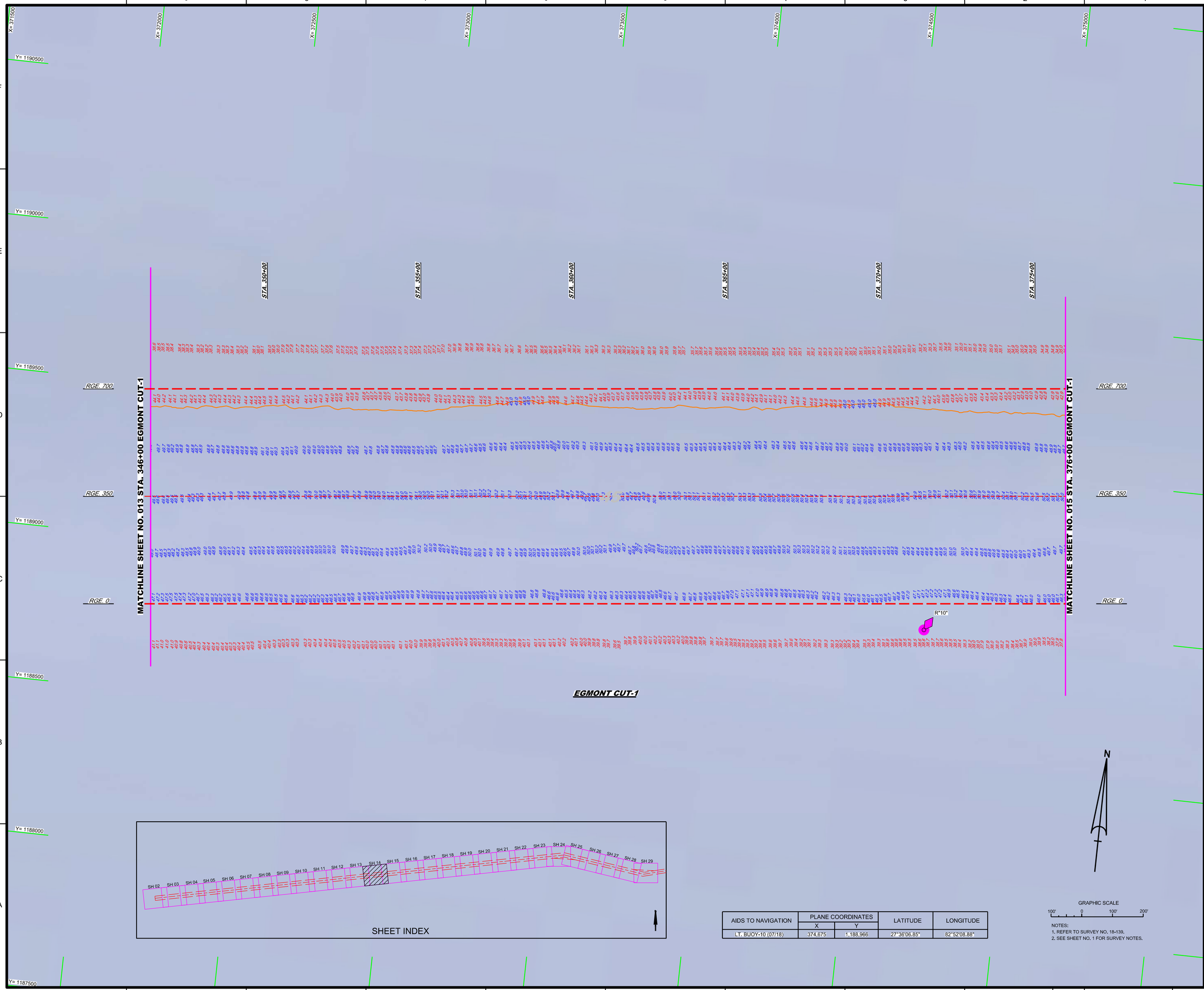
PLAN

Scale: AS SHOWN

Drawing no.

13

SHEET 13 OF 29



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-10 (07/18)	374,675	1,188,966	27°36'06.85"	82°52'08.88"

NOTES:
1. REFER TO SURVEY NO. 18-139.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone

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

Designed by: VIRM
DWN by: VIRM
CHK by: CMR
Rev. No.
Date: JUL 2018

XXXXXXXXX-XXXXXXX.DGN
18-139-V-CONES.DGN
18-139-V-MAIN.DGN
18-139-V-SOUN_EG1_SB.DGN
TAMPA HARBOR-C-NGMCF.DGN
18-139-C-ESHDR.DGN
Reference files:
18-139VHCH4_Z1.DGN
File name:

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY18
45-FOOT PROJECT

STA. 346+00 THRU STA. 376+00 EGMONT CUT-1

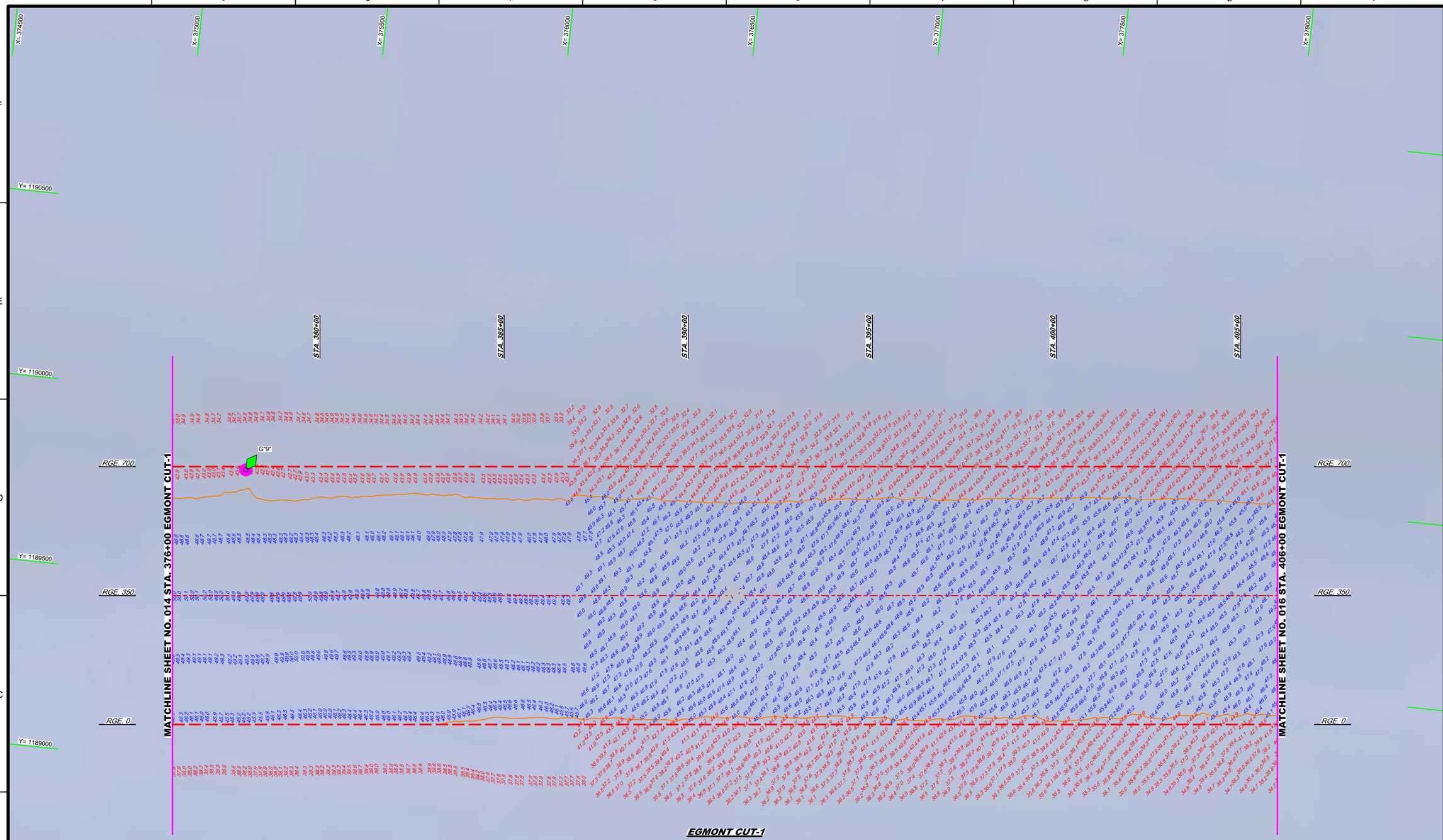
PLAN

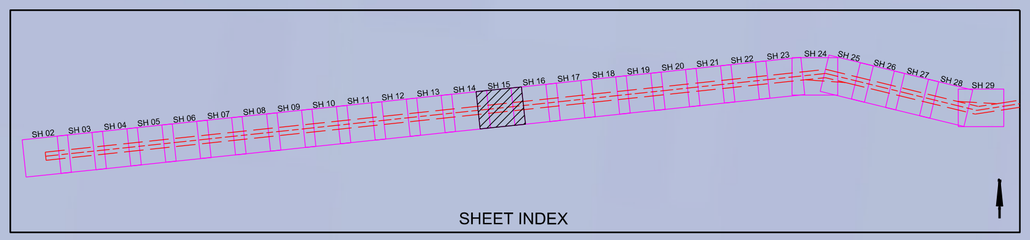
Scale: AS SHOWN

Drawing no.

14

SHEET 14 OF 29





SHEET INDEX

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-9 (07/18)	375,249	1,189,808	27°36'15.223"	82°52'02.56"

N

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 18-139.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone

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

Designed by: VIRM
DWN by: VIRM
Chk by: CMR
Rev. No.
Date: JUL 2018

XXXXXXXXXX-XXXXXX.DGN
18-139-V-CONSOLDGN
18-139-V-NAV.DGN
18-139-V-SOUN_E1.MS.DGN
18-139-V-SOUN_E01_SB.DGN
TAMPA HARBOR-C-NGMCF.DGN
18-139-C-ESHEADER.DGN
Reference files:

18-139-V-H-015_Z1.DGN
File name:

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY18
45-FOOT PROJECT

STA. 376+00 THRU STA. 406+00 EGMONT CUT-1

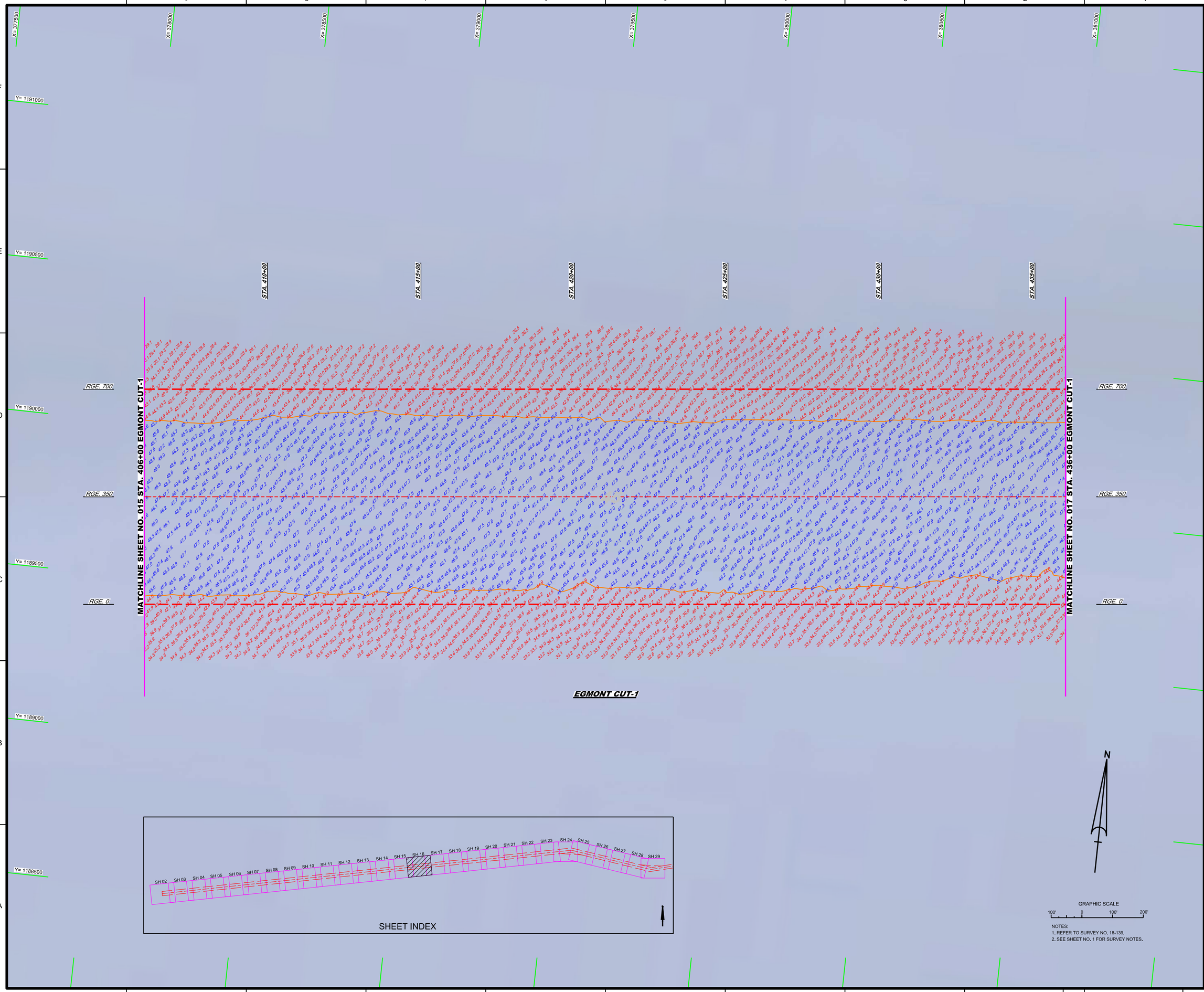
PLAN

Scale: AS SHOWN

Drawing no.

15

SHEET 15 OF 29



NOTES:
1. REFER TO SURVEY NO. 18-139.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone

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

Designed by: VIRM
DWN by: VIRM
CHK by: CMR
Rev. No.
Date: JUL 2018

XXXXXXXXXX-XXXXXXX.DGN
XXXXXXXXXX-XXXXXXX.DGN
XXXXXXXXXX-XXXXXXX.DGN
18-139-VSOUN_EG1_MB.DGN
18-139-VSOUN_EG1_MB.DGN
TAMPA HARBOR-C-NGMCF.DGN
18-139-CESHEBORDR.DGN
Reference files:
18-139-VH31ft_Z1.DGN
File name:

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY18
45-FOOT PROJECT

STA. 406+00 THRU STA. 436+00 EGMONT CUT-1

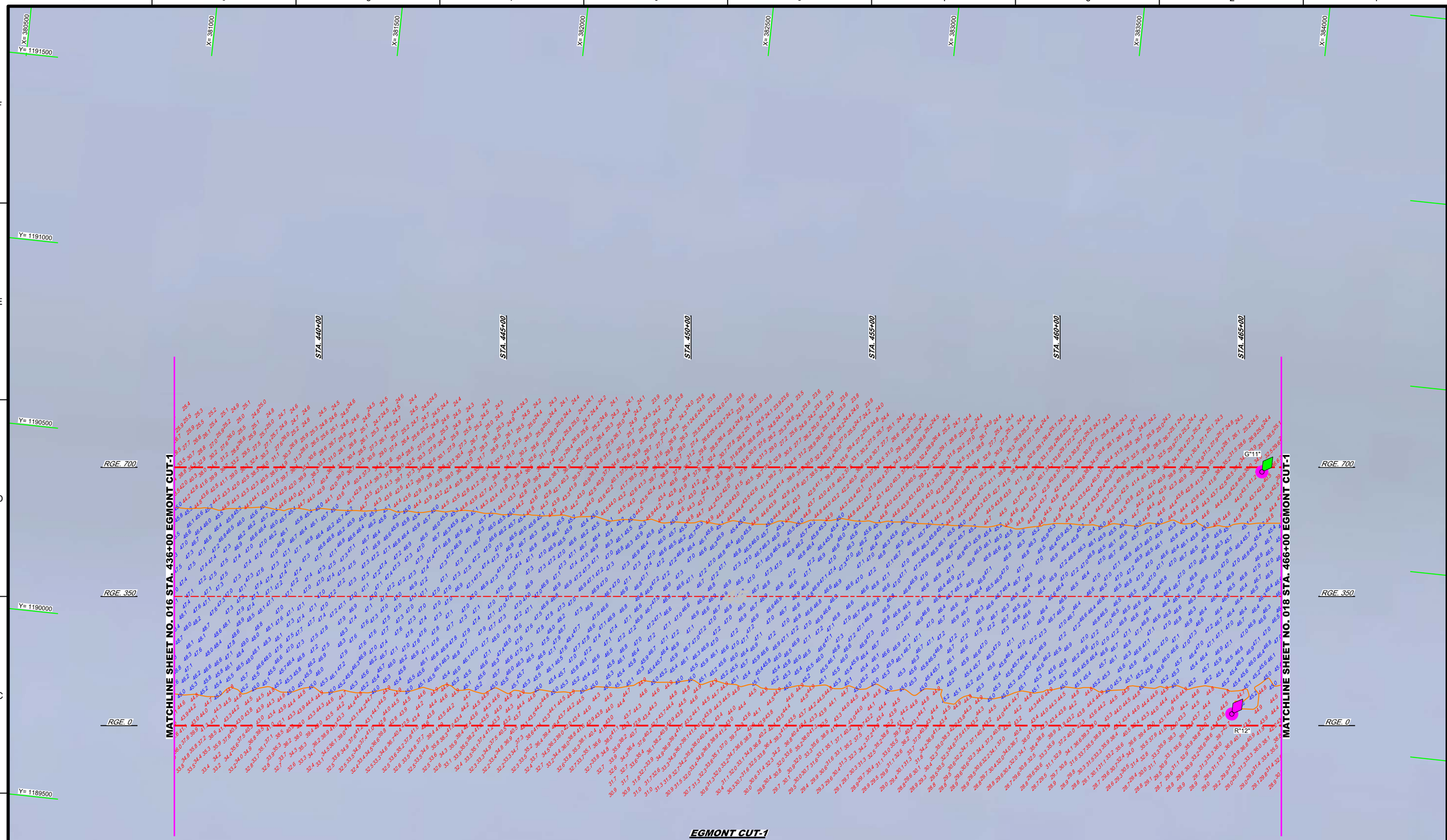
PLAN

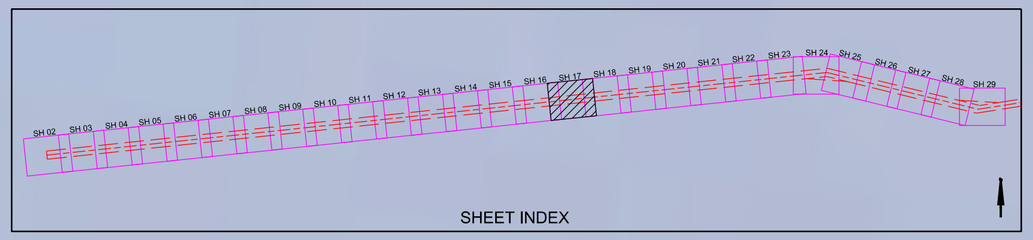
Scale: AS SHOWN

Drawing no.

16

SHEET 16 OF 29





SHEET INDEX

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-11 (07/18)	393,949	1,190,726	27°36'24.91"	82°50'25.93"
LT. BUOY-12 (07/18)	383,937	1,190,065	27°36'18.36"	82°50'26.02"

N

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 18-139.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone

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

Designed by: VIRM
DWN by: VIRM
Ckd by: CMR
Rev. No.
Date: JUL 2018

XXXXXXXXXX-XXXXXXX.DGN
XXXXXXXXX-XXXXXX.DGN
18-139-V-C2N45.DGN
18-139-V-MAIN.DGN
18-139-V-SOUN_EG1_MB.DGN
TAMPA HARBOR-C-NGMCF.DGN
18-139-V-BS-BRDR.DGN
Reference files:
18-139-V-H017_Z1.DGN
File name:

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY18
45-FOOT PROJECT

STA. 436+00 THRU STA. 466+00 EGMONT CUT-1

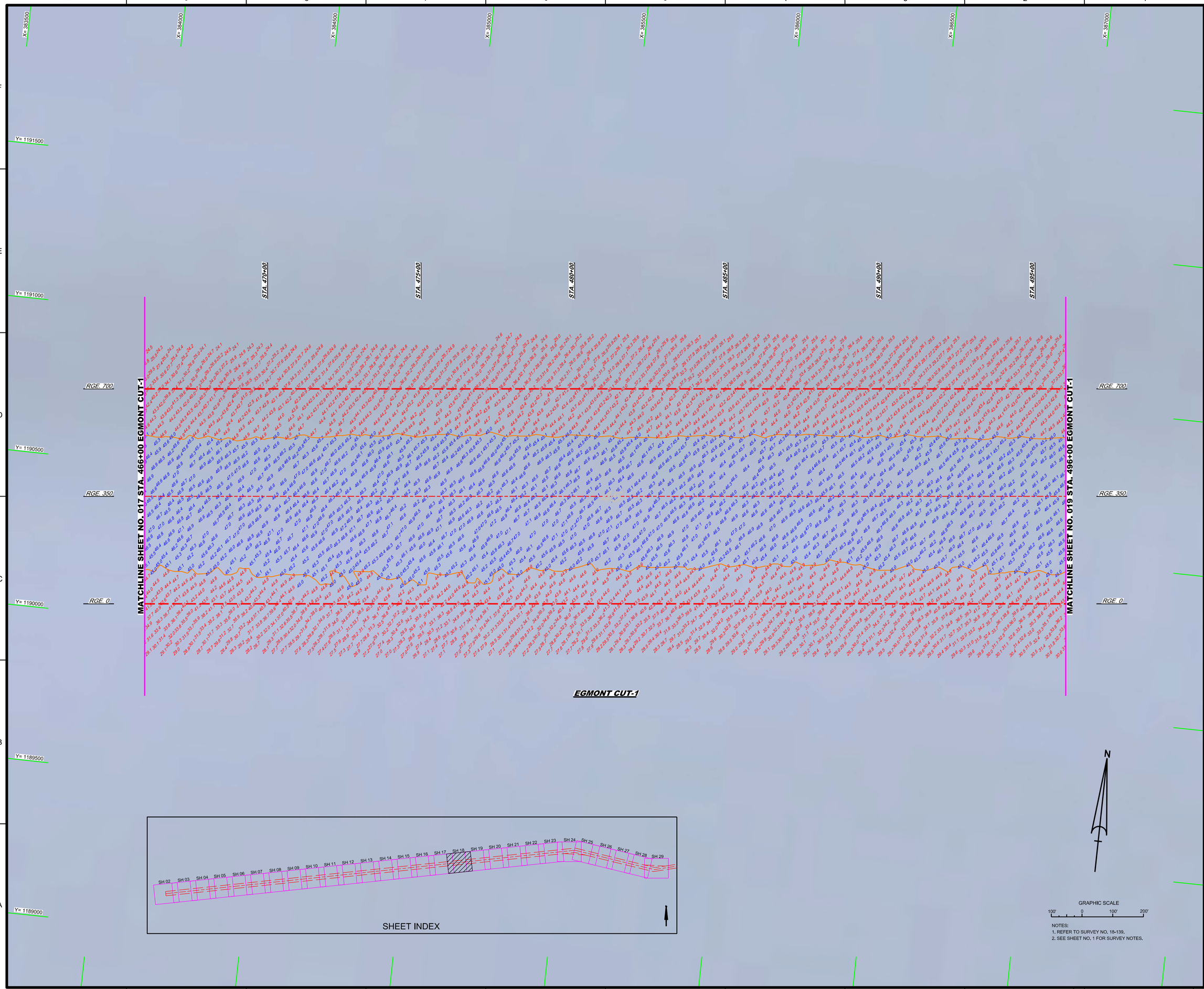
PLAN

Scale: AS SHOWN

Drawing no.

17

SHEET 17 OF 29



NOTES:
1. REFER TO SURVEY NO. 18-139.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone

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

Designed by: VIRM
DWN by: VIRM
Chk by: CMR
Rev. No.
Date: JUL 2018

XXXXXXXXXX-XXXXXXX.DGN
XXXXXXXXXX-XXXXXXX.DGN
XXXXXXXXXX-XXXXXXX.DGN
18-139-VHS18_EG1_MB.DGN
18-139-VHS18_EG1_MB.DGN
TAMPA HARBOR-C-NGMCCF.DGN
18-139-CeBS-BRDR.DGN
Reference files:
18-139-VHS18_Z1.DGN
File name:

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY18
45-FOOT PROJECT

STA. 466+00 THRU STA. 496+00 EGMONT CUT-1

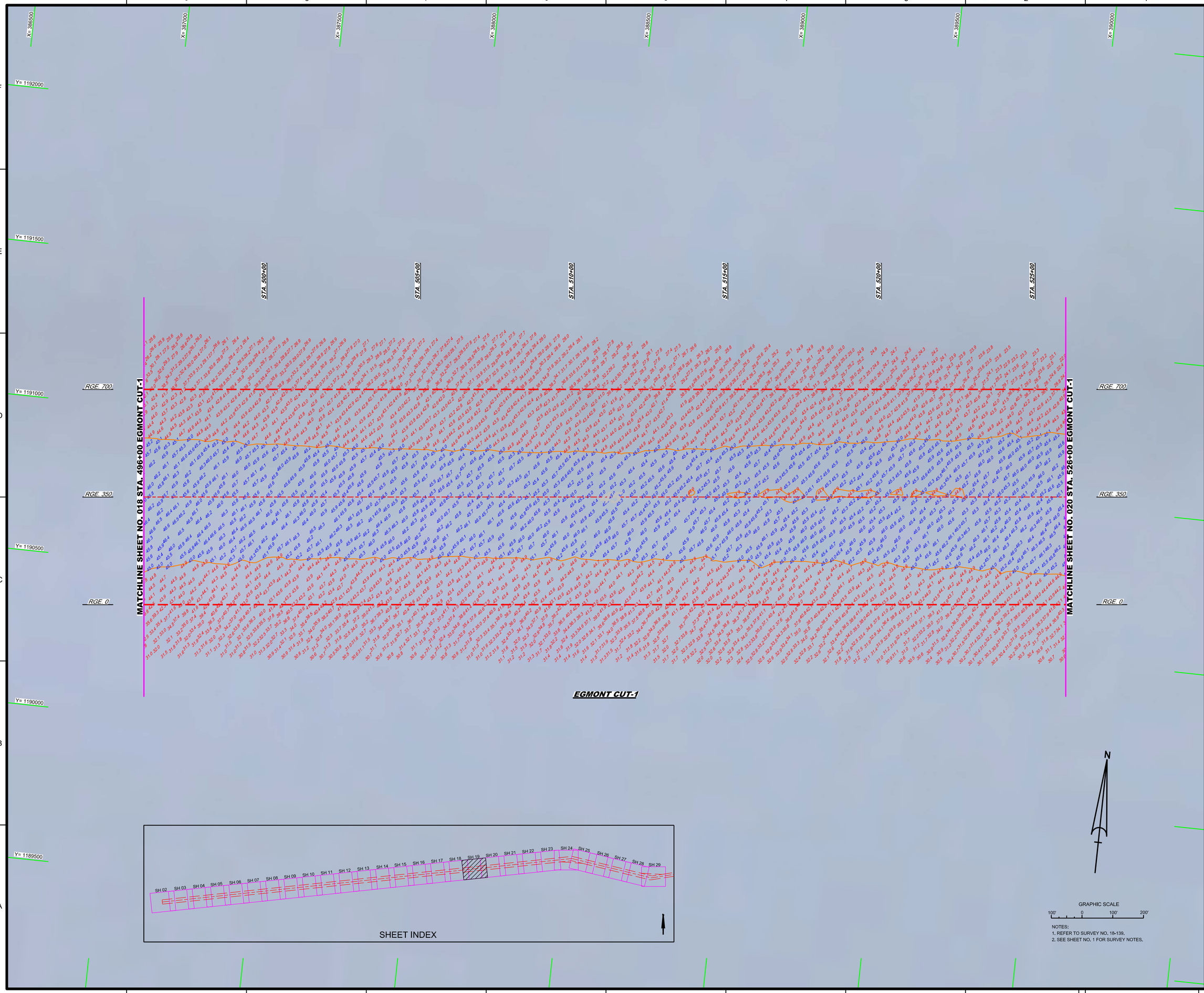
PLAN

Scale: AS SHOWN

Drawing no.

18

SHEET 18 OF 29



NOTES:
1. REFER TO SURVEY NO. 18-139.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone

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

Designed by: VIRM
DWN by: VIRM
Ckd by: CMR
Rev. No.
Date: JUL 2018

XXXXXXXXXX-XXXXXXX.DGN
XXXXXXXXXX-XXXXXXX.DGN
XXXXXXXXXX-XXXXXXX.DGN
18-139-VSOUN_EG1_MB.DGN
18-139-VSOUN_EG1_MB.DGN
TAMPA HARBOR-C-NGMCCF.DGN
18-139-C-BS-BRDR.DGN
Reference files:
18-139-VH-019_Z1.DGN
File name:

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY18
45-FOOT PROJECT

STA. 496+00 THRU STA. 526+00 EGMONT CUT-1

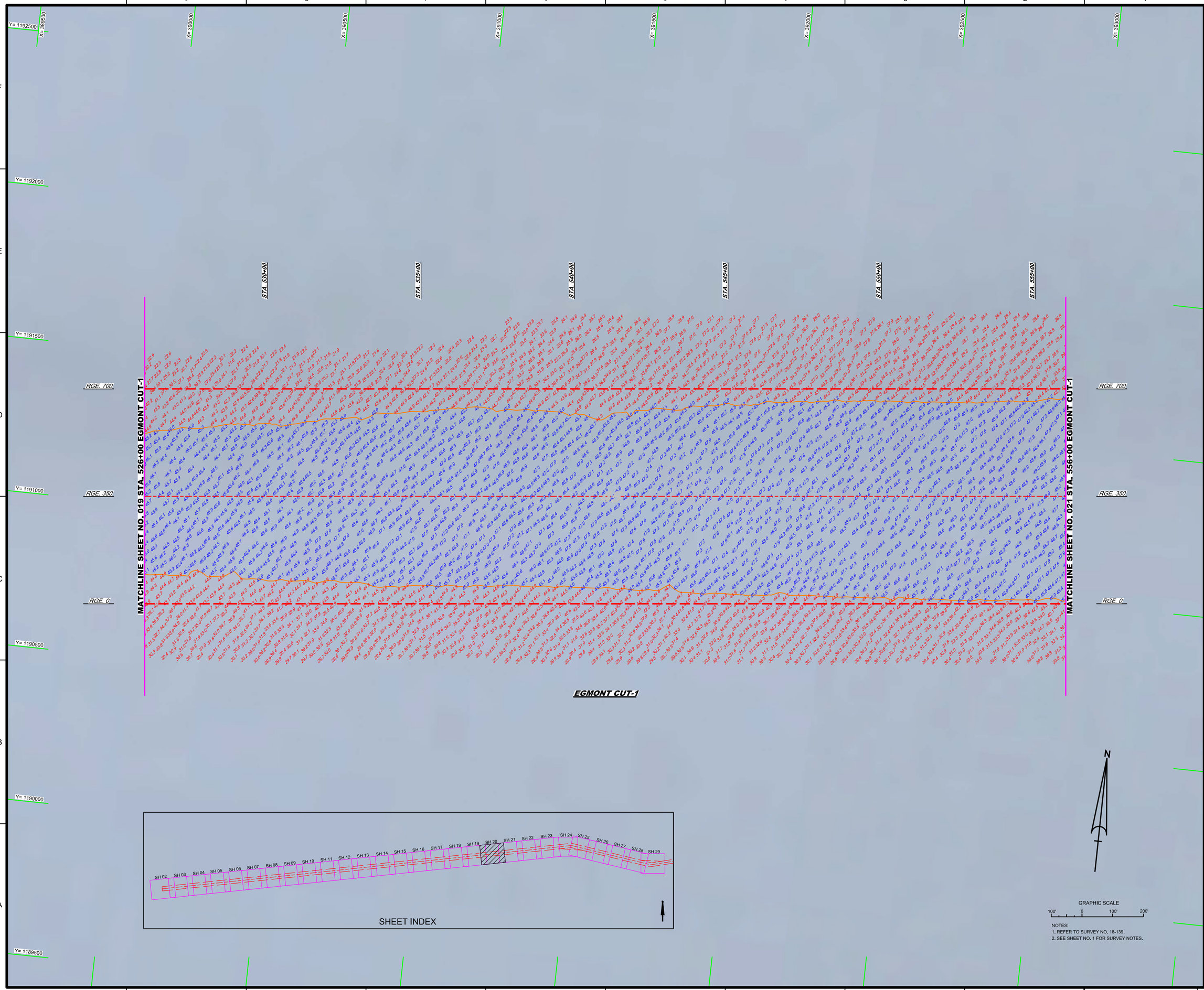
PLAN

Scale: AS SHOWN

Drawing no.

19

SHEET 19 OF 29



NOTES:
1. REFER TO SURVEY NO. 18-139.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone

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

Designed by: VIRM
Dwn by: VIRM
Ckd by: GMR
Rev. No.
Date: JUL 2018

XXXXXXXXXX-XXXXXXX.DGN
XXXXXXXXXX-XXXXXXX.DGN
XXXXXXXXXX-XXXXXXX.DGN
18-139-VIRM-EGMONT CUT-1.MB.DGN
18-139-A-SOUN_EG1_MB.DGN
TAMPA HARBOR-C-NGMCCF.DGN
18-139-C-BS-BRDR.DGN
Reference files:
18-139-VH020_Z1.DGN
File name:

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY18
45-FOOT PROJECT

STA. 526+00 THRU STA. 556+00 EGMONT CUT-1

PLAN

Scale: AS SHOWN

Drawing no.

20

SHEET 20 OF 29