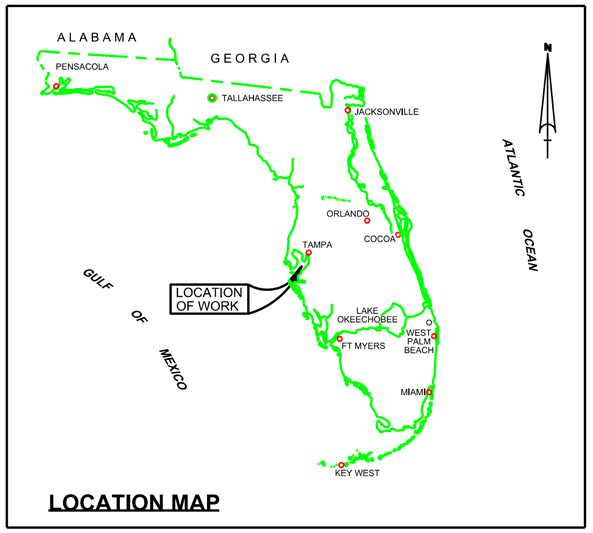


TAMPA HARBOR
CUTS F AND G (TB) AND GADSDEN POINT CUT
HILLSBOROUGH COUNTY, FLORIDA
HYDROGRAPHIC EXAM SURVEY FY19
34 AND 43-FOOT PROJECT

SURVEY ZONE	CUTS
4	CUT-F, CUT-G, GADSDEN POINT CUT
5	CUT-J, CUT-J2, CUT-K
6	CUT-A (HB), CUT-C (HB), CUT-D (HB)
7	LOWER & UPPER SPARKMAN, YBOR CH, SEDDON CH., PORT SUTTON CH., PORT SUTTON T.B., PORT SUTTON TERMINAL CH., EAST BAY CH., EAST BAY EXTENSIONS 1 & 2

LEGEND	
△	MONUMENT
	LIGHTED BEACON
■	GREEN DAYBEACON
▲	RED DAYBEACON
	RED LIGHTED BUOY
	GREEN LIGHTED BUOY
C	CAN BUOY
N	NUN BUOY
	TIDE STAFF
8	PROJECT DEPTH

SURVEY NOTES

1. REFER TO SURVEY NO. 19-052.
2. ELEVATIONS ARE IN FEET AND TENTHS AND REFER TO THE NOAA REPORTED MLLW TIDAL DATUM RELATIVE TO THE 1983-2001 TIDAL EPOCH.

   NOAA TIDAL STATION 872-6520, ST. PETERSBURG, TAMPA BAY, FLORIDA

   NOAA TIDAL STATION 872-6562, BIG BEND, TAMPA BAY, FLORIDA (SUPERSEDED)
3. TIDAL REDUCTIONS WERE OBTAINED UTILIZING A REAL-TIME KINEMATIC (RTK) GPS AND REFERENCED TO MLLW UTILIZING A HYPACK KINEMATIC TIDE DATUM (KTD) MODEL NAMED "SPC-FL-WEST-2010-12-07.KTD"
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 "DILLMAN" (OPUS PID: BBCD48)

   REFERENCE BASE LOCATED AT "6562 B" (OPUS PID: AG7604)

   TIDE STAFF LOCATED FROM "EDD 60" (OPUS PID: AG5298)

   TIDE STAFF LOCATED FROM "6562 B" (OPUS PID: AG7604)
8. VERTICAL MEASUREMENTS WERE MADE USING A R2SONIC 2024 MULTI-BEAM TRANSDUCER OPERATING AT 240 KHZ. SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.

VESSEL	DATE OF SURVEY	CUT
SV JACKSONVILLE	24 OCT 2018	CUT-F
SV JACKSONVILLE	25 OCT 2018	CUT-G & GADSDEN PT CUT
SV JACKSONVILLE	30 OCT 2018	CUT-G & GADSDEN PT CUT
SV JACKSONVILLE	31 OCT 2018	GADSDEN POINT CUT
SV JACKSONVILLE	18 JAN 2019	CUT-G

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 2013.

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
Cad by: GMR
DWN by: WRM
Inv. No.
Date: JAN 2019

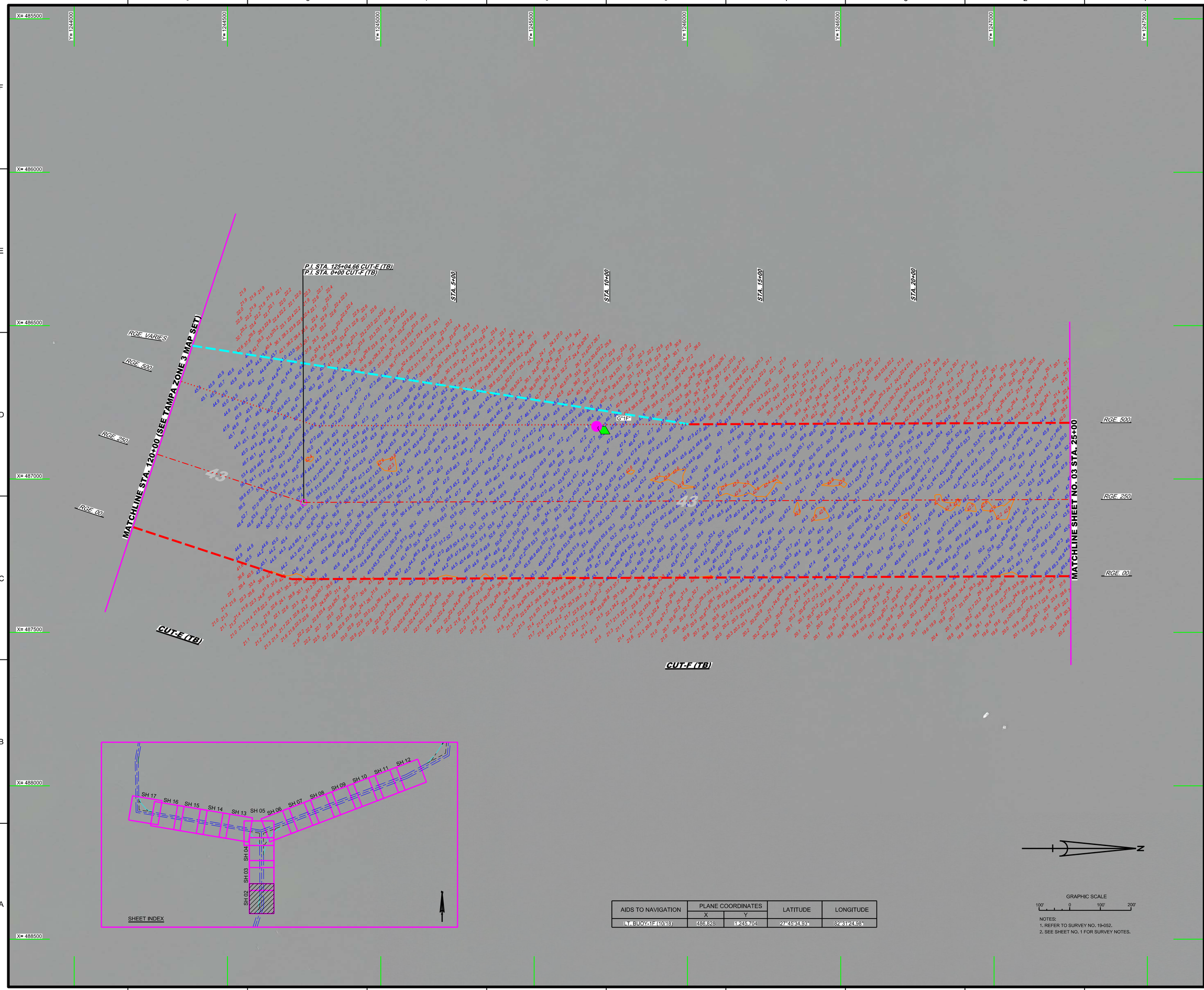
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
19-052-XX-XX-XX-XX.DGN
19-052-XX-XX-XX-XX.DGN
TAMPA HARBOR-C-NGMCCF.DGN
19-052-C-BS-BRDR.DGN
Reference files:
19-052-VH-01_Z4.DGN
File name:

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA
HYDROGRAPHIC EXAM SURVEY FY19
34 AND 43-FOOT PROJECT
INDEX, LOCATION AND VICINITY
MAP

Scale: AS SHOWN

Drawing no.
1

SHEET 01 OF 17



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-1F (10/18)	486,828	1,245,704	27°45'34.93"	82°31'24.98"

NOTES:
1. REFER TO SURVEY NO. 19-052.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description

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

Designed by: VIRM
DWN by: VIRM
Chk'd by: CMR
Rev. No.
Date: JAN 2019

XXXXXXXXXX-XXXXXXX.DGN
XXXXXXXXX-XXXXXX.DGN
19-052-X-CON-3.DGN
19-052-X-ALL-01.DGN
19-052-X-SOUN_CTF.DGN
TAMPA HARBOR-C-NGMCF.DGN
19-052-X-PS-SHDR.DGN
Reference files:
19-052-VHrb2_ZA.DGN
File name:

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY19
34 AND 43-FOOT PROJECT

STA. 120+00 CUT-E (TB) THRU STA. 25+00 CUT-F (TB)

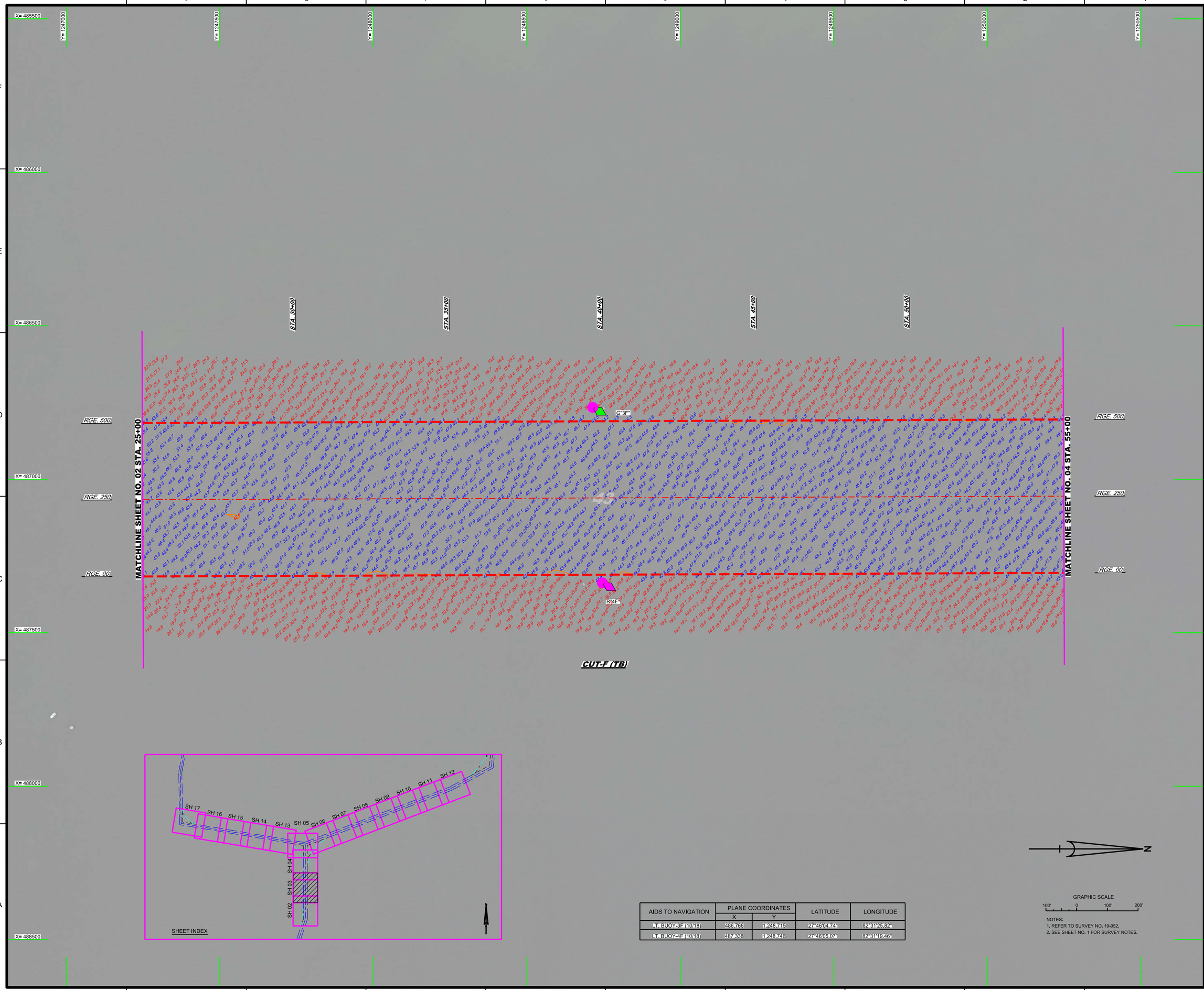
PLAN

Scale: AS SHOWN

Drawing no.

2

SHEET 02 OF 17



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-3F (10/18)	486,766	1,248,715	27°46'04.74"	82°31'25.82"
LT. BUOY-4F (10/18)	487,338	1,248,746	27°46'05.07"	82°31'19.46"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 19-052.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description

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

Designed by: WRM
DWN by: WRM
Ckd by: GMR
Fig. No.
Date: JAN 2019

XXXXXXXXXX-XXXXXXX.DGN
XXXXXXXXXX-XXXXXXX.DGN
19-052A-CONN43.DGN
19-052A-AA43.DGN
19-052A-SOUN_CTF.DGN
TAMPA HARBOR-C-NGMCCF.DGN
19-052C-B-SPOR.DGN
Reference files
19-052-VHF03_24.DGN
File name:

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY19
34 AND 43-FOOT PROJECT

STA. 25+00 THRU STA. 55+00 CUT-F (TB)

PLAN

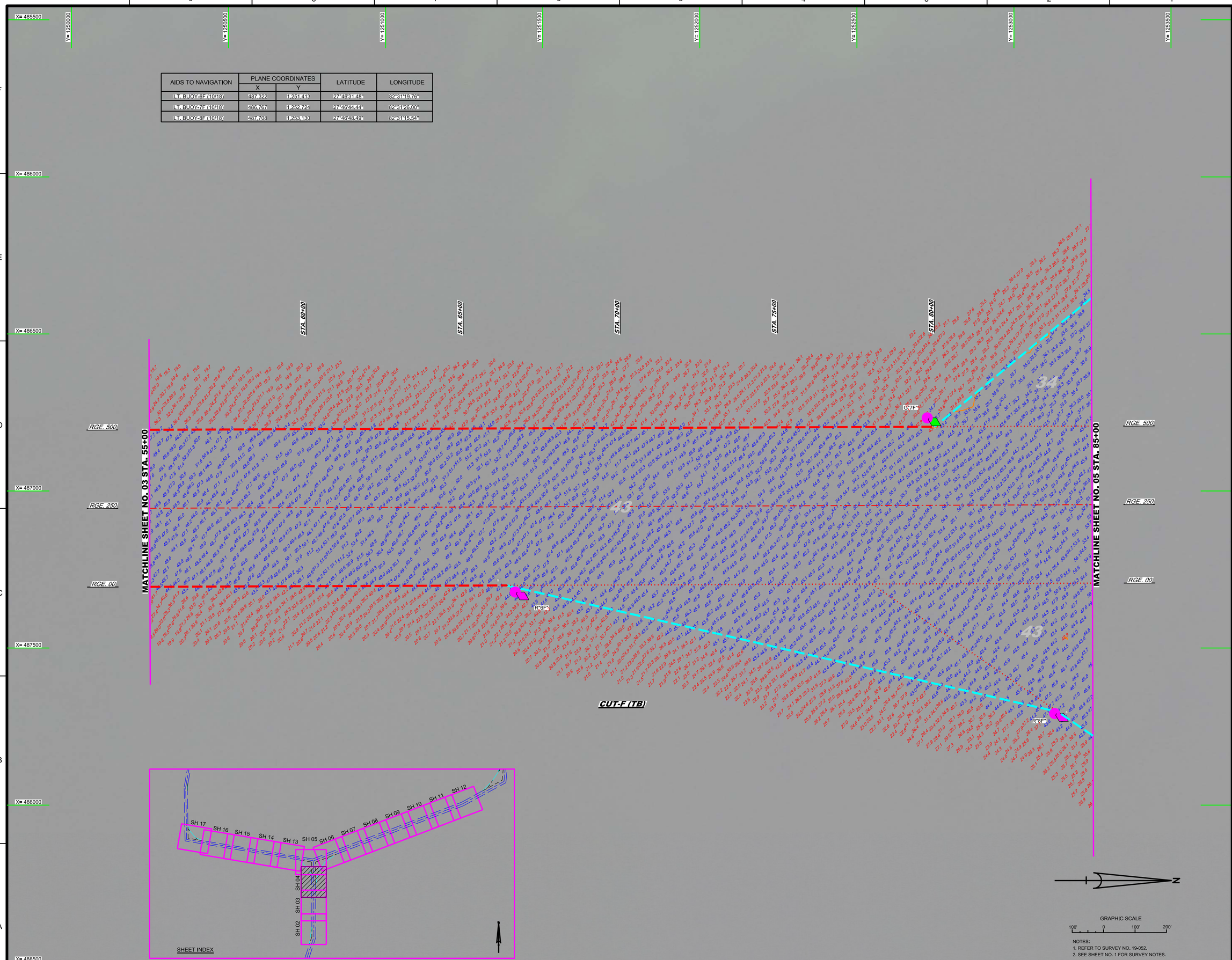
Scale: AS SHOWN

Drawing no.

3

SHEET 03 OF 17

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-6F (10/18)	487,322	1,251,413	27°46'31.48"	82°31'19.76"
LT. BUOY-7F (10/18)	486,767	1,252,724	27°46'44.44"	82°31'26.00"
LT. BUOY-8F (10/18)	487,708	1,253,130	27°46'48.49"	82°31'15.54"



NOTES:
1. REFER TO SURVEY NO. 19-052.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description

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

Designed by: WRM
DWN by: WRM
Ckd by: GMR
Proj. No.:
Date: JAN 2019

X:\XXXXXXXX-XXXXXXX.DGN
XXXXXXXX-XXXXXXXX.DGN
19-052-A-CON43.DGN
19-052-A-CON44.DGN
19-052-A-CON34.DGN
19-052-A-SOUN_CTF.DGN
TAMPA HARBOR-C-NGMCCF.DGN
19-052-C-BS-BRDR.DGN
Reference files:
19-052-A-HHS4_24.DGN
File name:

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY19
34 AND 43-FOOT PROJECT

STA. 55+00 THRU STA. 85+00 CUT-F (TB)

PLAN

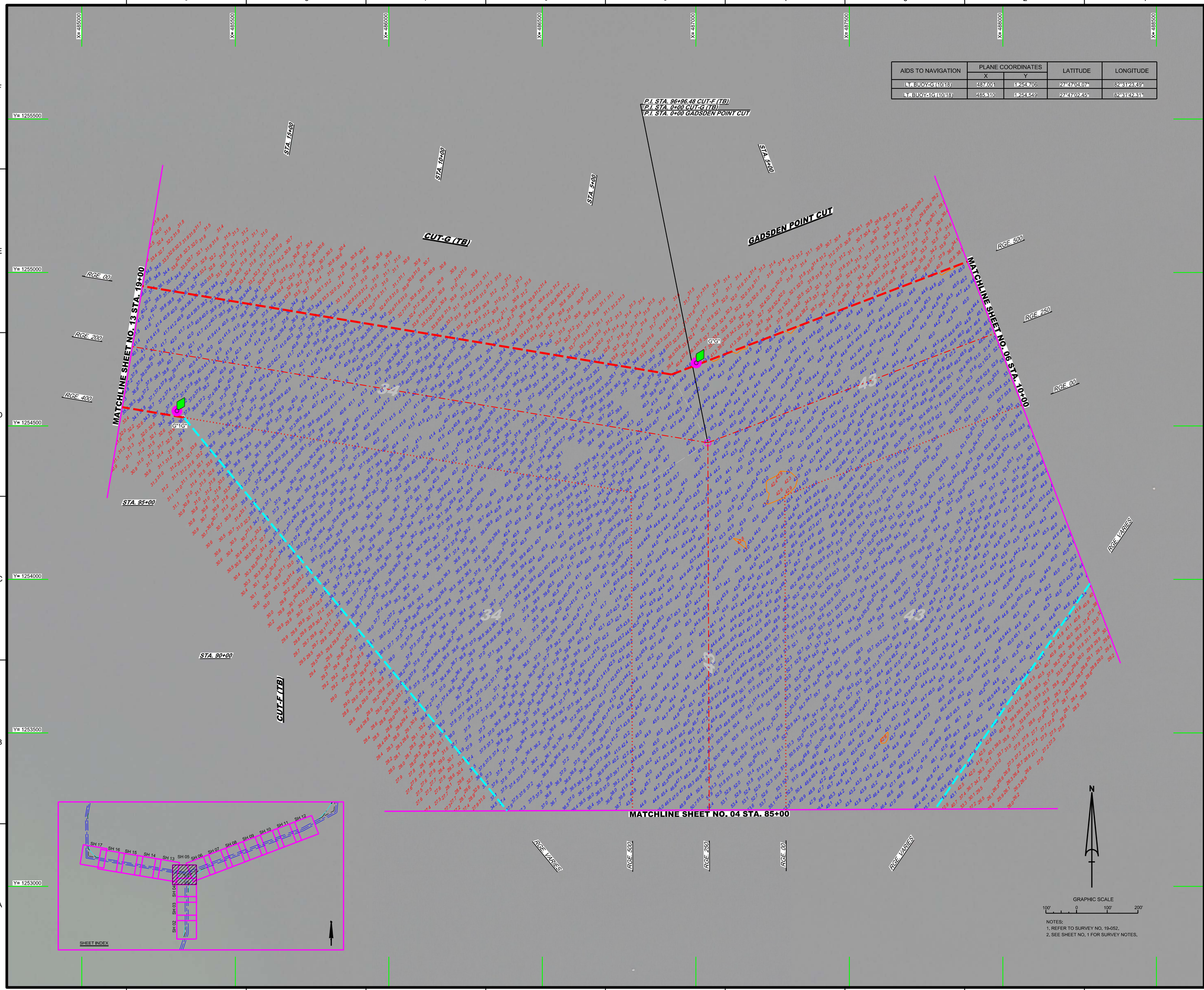
Scale: AS SHOWN

Drawing no.

4

SHEET 04 OF 17

AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-G (10/18)	487,001	1,254,706	27°47'04.07"	82°31'23.49"
LT. BUOY-1G (10/18)	485,310	1,254,549	27°47'02.45"	82°31'42.31"



NOTES:
1. REFER TO SURVEY NO. 19-052.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description

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

Designed by: MRM
DWN by: MRM
Ckd by: GMR
Proj. No.:
Date: JAN 2019

X:\XXXXXXXX-XXXXXX.DGN
XXXXXXXX-XXXXXXXX.DGN
XXXXXXXX-XXXXXXXX.DGN
19-052A-SCONI43.DGN
19-052A-SCONI44.DGN
19-052A-SCOUN_WEENER.DGN
TAMPA HARBOR-C-NGMCCF.DGN
19-052-C-BR-BRDR.DGN
19-052-VHr55_24.DGN

Reference files
File name:

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY19
34 AND 43-FOOT PROJECT

STA. 85+00 THRU STA. 96+96.48 CUT-F (TB), STA. 0+00 CUT-G (TB), & STA. 0+00 THRU STA. 19+00 GADSDEN POINT CUT

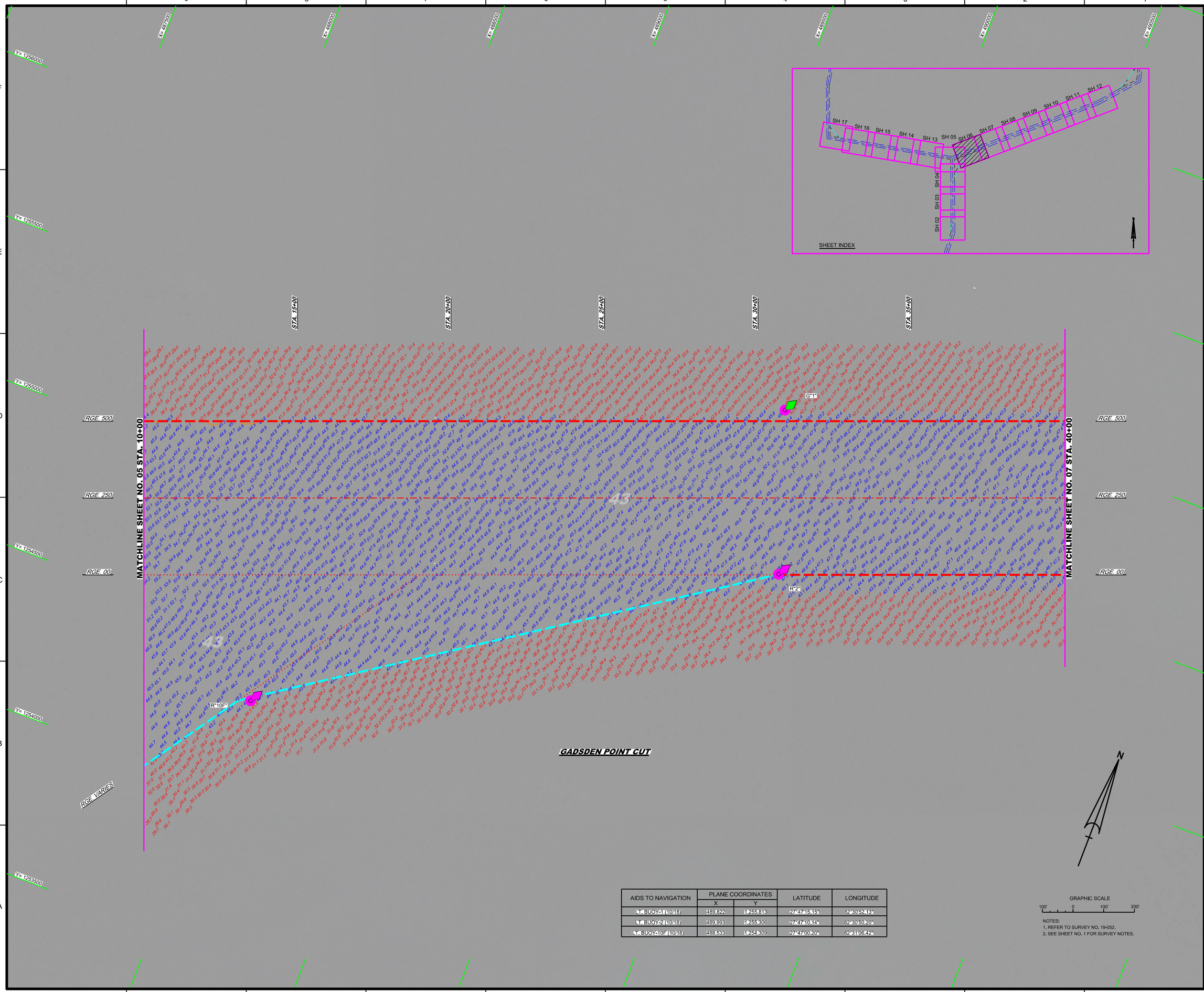
PLAN

Scale: AS SHOWN

Drawing no.

5

SHEET 05 OF 17



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-1 (10/18)	489,822	1,255,813	27°47'15.15"	82°30'52.13"
LT. BUOY-2 (10/18)	489,993	1,255,306	27°47'10.14"	82°30'50.20"
LT. BUOY-10F (10/18)	488,533	1,254,309	27°47'00.20"	82°31'06.42"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 19-052.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description

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

Designed by: VIRM
Drawn by: VIRM
Checked by: CMR
Rev. No.
Date: JAN 2019

X:\XXXXXX-X-XXXXXXX.DGN
XXXXXXXX-X-XXXXXXX.DGN
XXXXXXXX-X-XXXXXXX.DGN
19-052-X-CON-BLD.DGN
19-052-X-SOUN_BATH.DGN
19-052-X-SOUN_CPC.DGN
TAMPA HARBOR-C-NGMCF.DGN
19-052-X-DES-SAND_BLD.DGN
Reference files:
19-052-V-H-S_ZA.DGN
File name:

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY19
34 AND 43-FOOT PROJECT

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

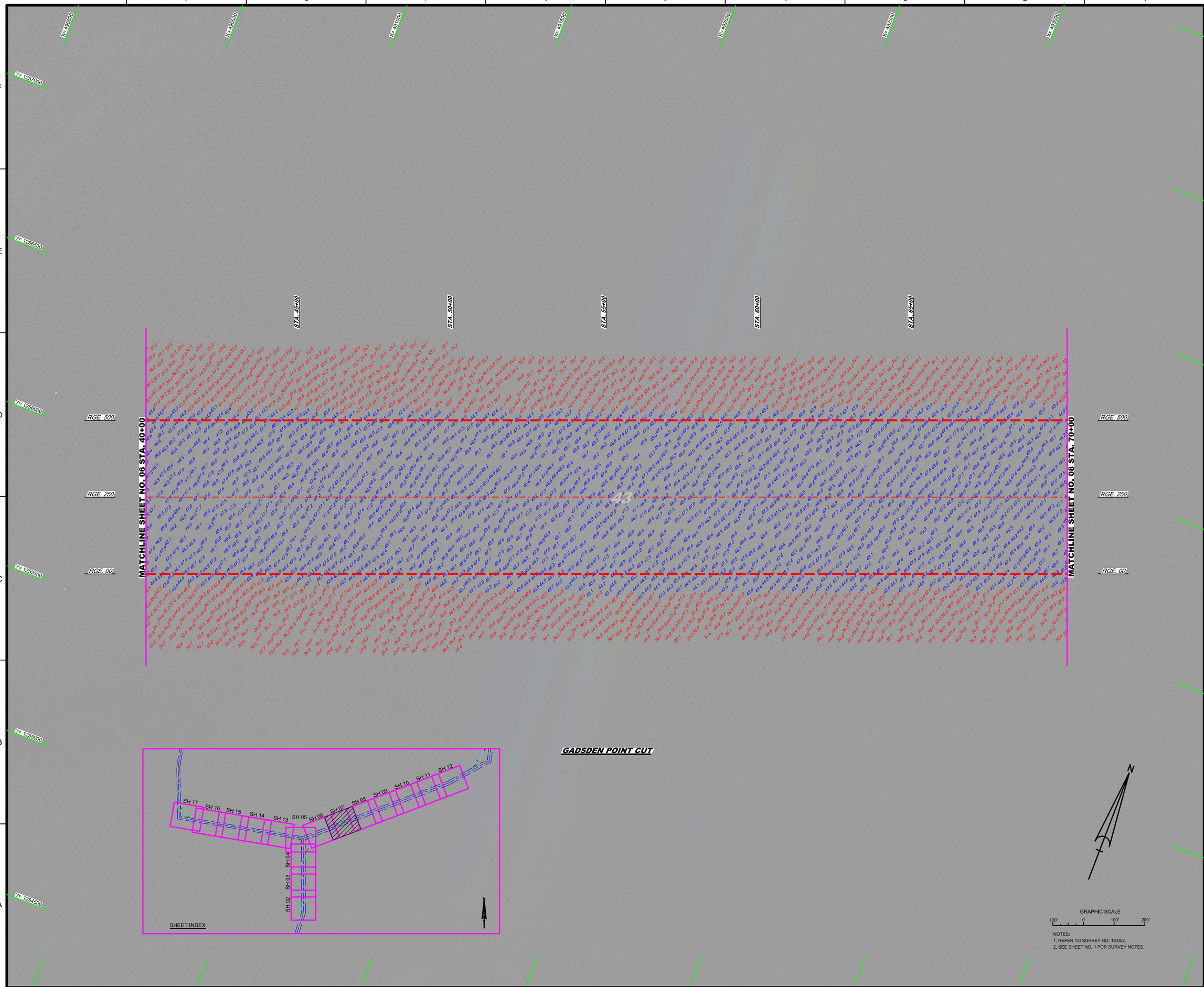
PLAN

Scale: AS SHOWN

Drawing no.

6

SHEET 06 OF 17



NOTES:
1. REFER TO SURVEY NO. 19-052.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

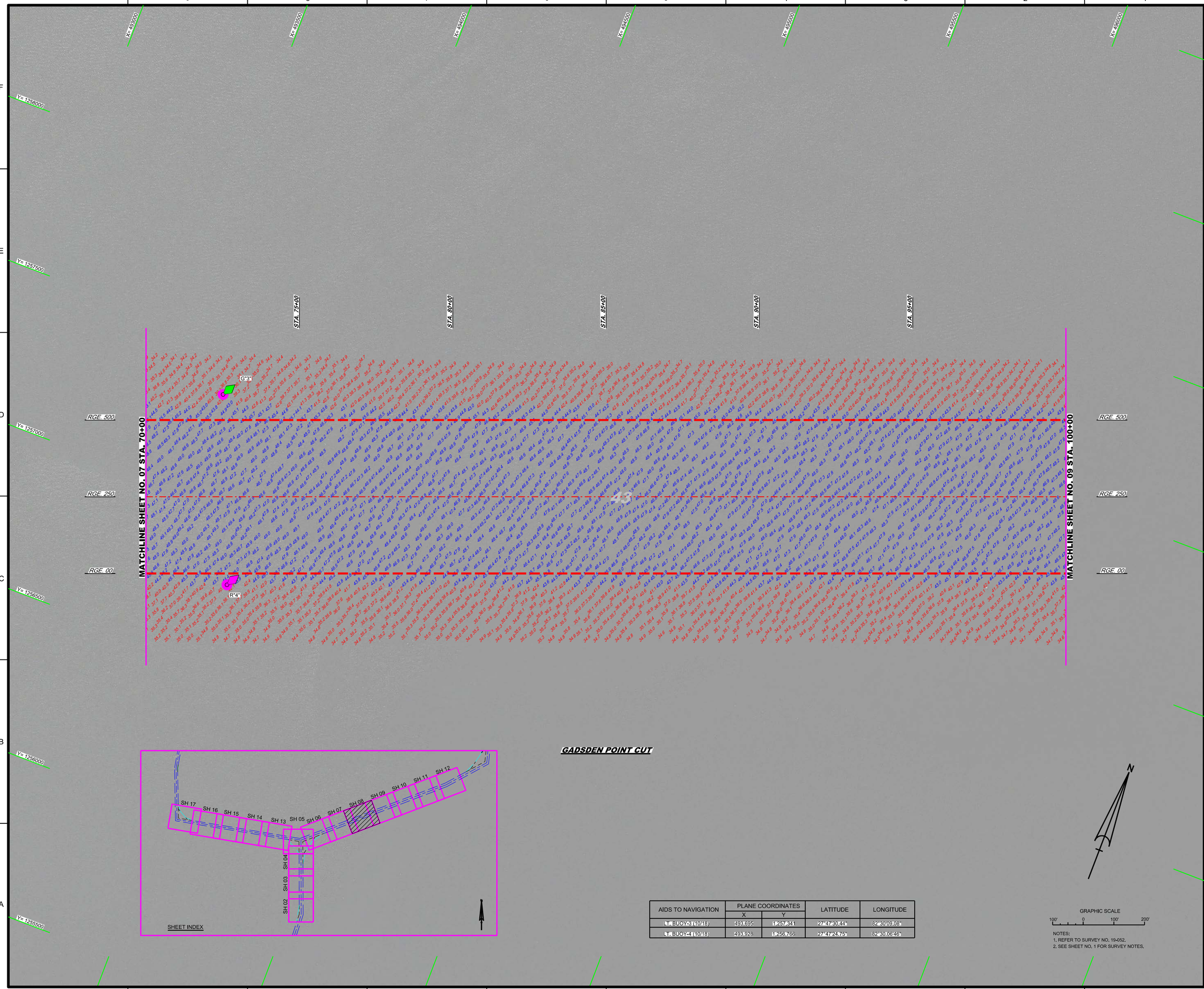
SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description

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

Designed by: VIRM
DWN by: VIRM
Chk'd by: CMR
Rev. No.
Date: JAN 2019

XXXX



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-3 (10/18)	493,695	1,257,341	27°47'30.44"	82°30'09.08"
LT. BUOY-4 (10/18)	493,928	1,256,766	27°47'24.75"	82°30'06.46"

NOTES:
1. REFER TO SURVEY NO. 19-052.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description

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

Designed by: WRM
Dwn by: WRM
Ckd by: GMR
Inv. No.
Dated: JAN 2019

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
19-052-A-SOUN_GPC.DGN
TAMPA HARBOR-C-NGMCCF.DGN
19-052-C-BS-BRDR.DGN
Reference files:
19-052-VPH08_Z4.DGN
File name:

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY19
34 AND 43-FOOT PROJECT

STA. 70+00 THRU STA. 100+00 GADSDEN POINT CUT

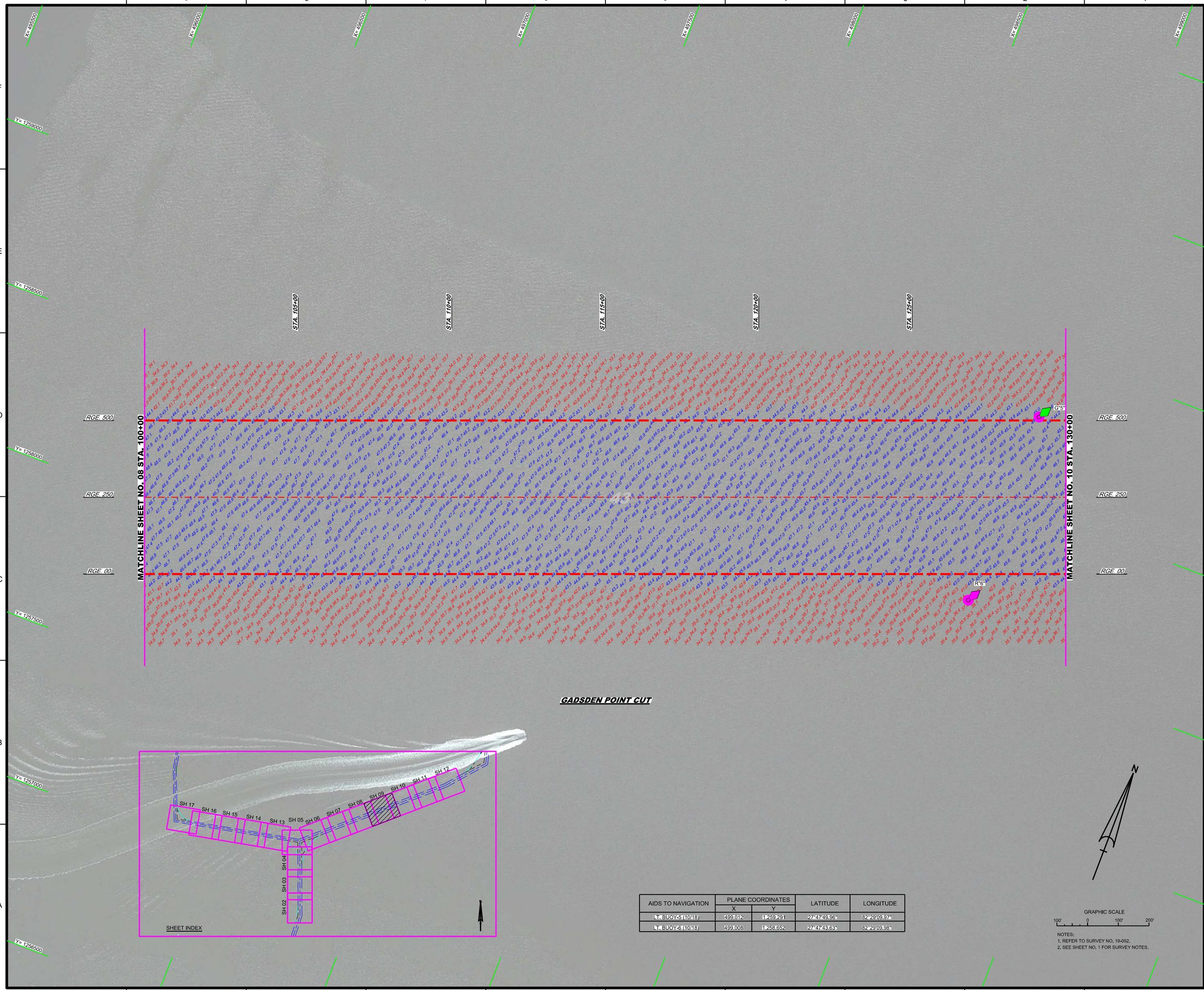
PLAN

Scale: AS SHOWN

Drawing no.

8

SHEET 08 OF 17



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-5 (10/18)	499,012	1,259,291	27°47'49.96"	82°29'09.97"
LT. BUOY-6 (10/18)	499,008	1,258,652	27°47'43.63"	82°29'09.98"

NOTES:
1. REFER TO SURVEY NO. 19-052.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description

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

Designed by: WRM
DWN by: WRM
Ckd by: GMR
Proj. No.
Date: JAN 2019

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
19-052-A-SOUN_GPC.DGN
TAMPA HARBOR-C-NGMCCF.DGN
19-052-C-SB-SBRDR.DGN
Reference files
19-052-VR-09_Z4.DGN
No name

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY19
34 AND 43-FOOT PROJECT

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

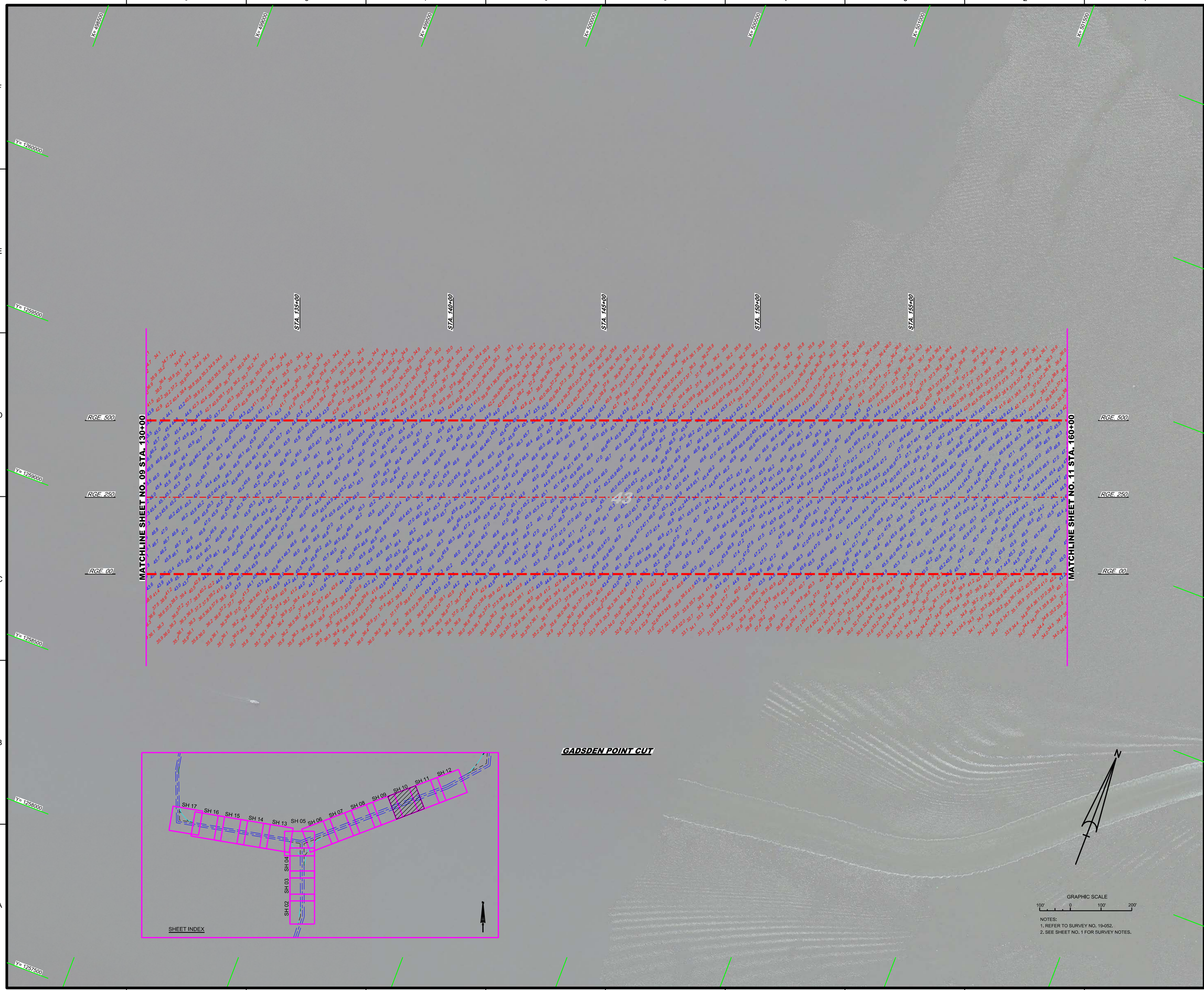
PLAN

Scale: AS SHOWN

Drawing no.

9

SHEET 09 OF 17



NOTES:
1. REFER TO SURVEY NO. 19-052.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone	Description

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

Designed by: MRM
DWN by: MRM
Ckd by: GMR
Plot No.
Date: JAN 2019

XXXXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXXXX.DGN
19-052-A-SDQA_GPC.DGN
TAMPA HARBOR-C-NGMCCF.DGN
19-052-C-BS-BRDR.DGN
Reference files
19-052-VH-10_24.DGN
File name:

TAMPA HARBOR
HILLSBOROUGH COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY19
34 AND 43-FOOT PROJECT

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

PLAN

Scale: AS SHOWN

Drawing no.

10

SHEET 10 OF 17