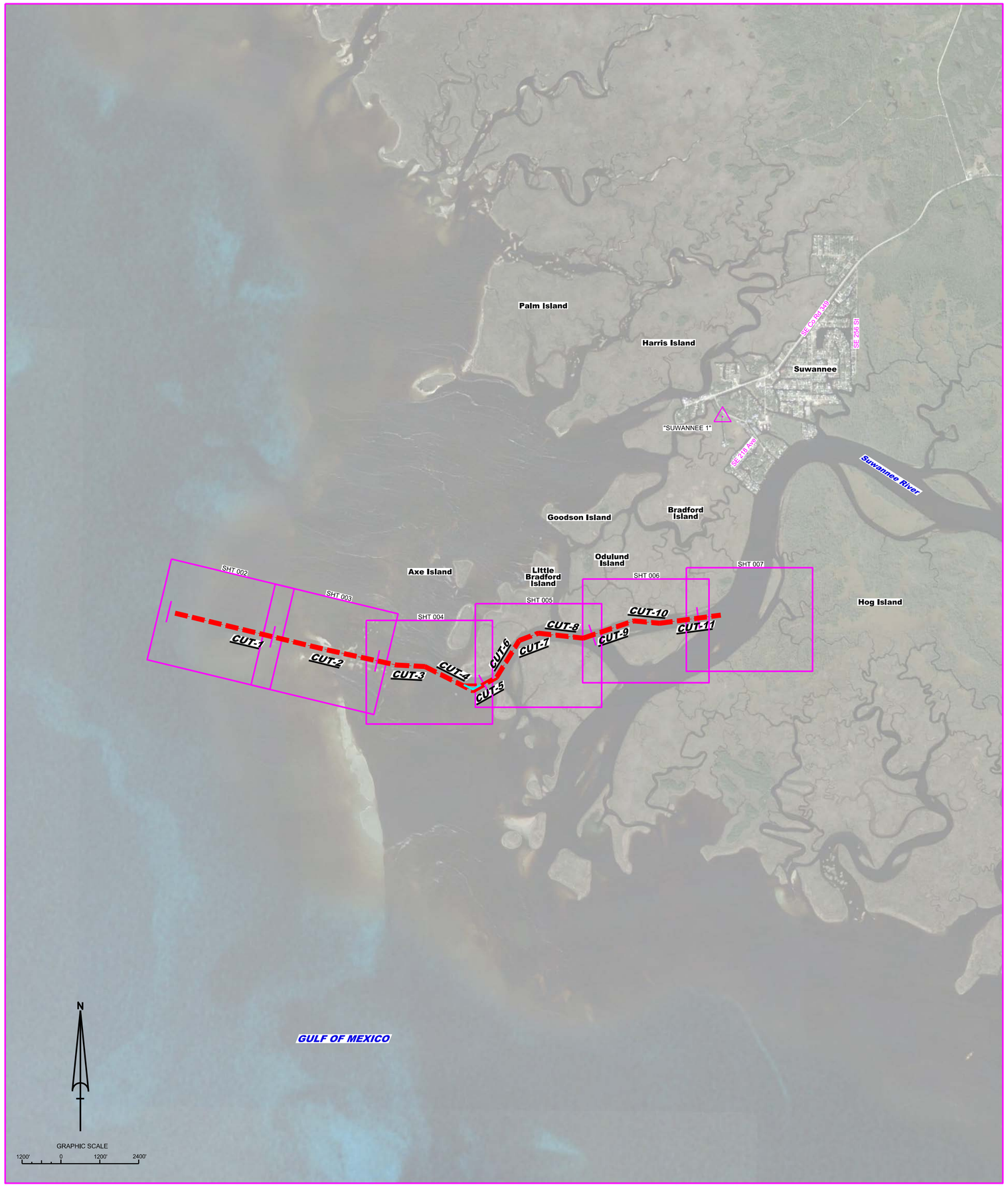
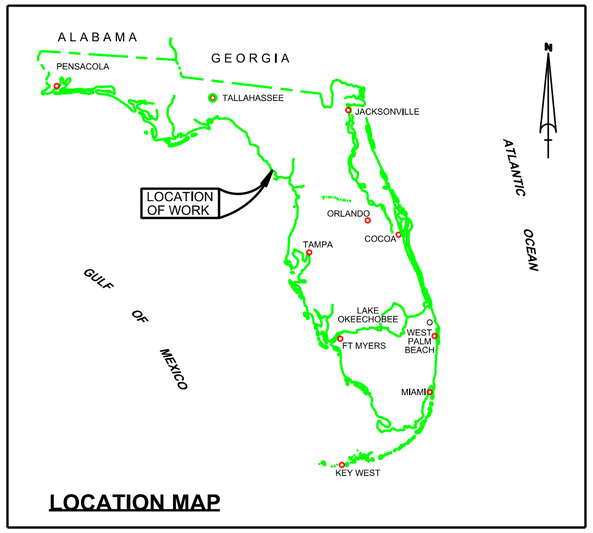




LOCATION MAP

SUWANNEE RIVER - MCGRIFF PASS
DIXIE & LEVY COUNTY, FL
HYDROGRAPHIC EXAM SURVEY FY19
6-FOOT PROJECT

SURVEY NOTES

1. REFER TO SURVEY NO. 19-045.
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 HYPACK KINEMATIC TIDE DATUM (KTD) MODEL. KTD FILE NAME: "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 THE CURRENT REALIZATION OF THE NORTH AMERICAN DATUM OF 1983 (NAD83), BASED ON THE NOAA NATIONAL SPATIAL REFERENCE SYSTEM (NSRS).
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 LOCATION:

   REFERENCE BASE LOCATED AT "SUWANNEE 1" (PID: BBFB75)
8. DEPTHS DEPICTED BY THIS SURVEY 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 HEIGHT OF THE BENCHMARK BELOW:

   NOAA TIDAL STATION 872-7577 USED FOR ALL CUTS. (PID: AR1597)

   VERTICAL MEASUREMENTS WERE MADE USING A ROSS SMART SOUNDER 835 SINGLE-BEAM TRANSDUCER OPERATING AT 200 KHZ (HIGH FREQUENCY). ALL SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.

VESSEL	DATE OF SURVEY	CUT
SB-50	13-14 NOV 2018	CUTS 1 -11

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

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: VRM
DWN by: VRM
Chk by: GMR
Proj. No.
Date: NOV 2018

XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
19-045-AUNDEA.DGN
MCGRIFF-PASS_83HARN.DGN
19-045-C-BB-BRDR.DGN
Reference files
19-045-HH001.DGN
File name:

SUWANNEE RIVER - MCGRIFF'S PASS
DIXIE AND LEVY COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY19
6-FOOT PROJECT

INDEX, LOCATION AND VICINITY

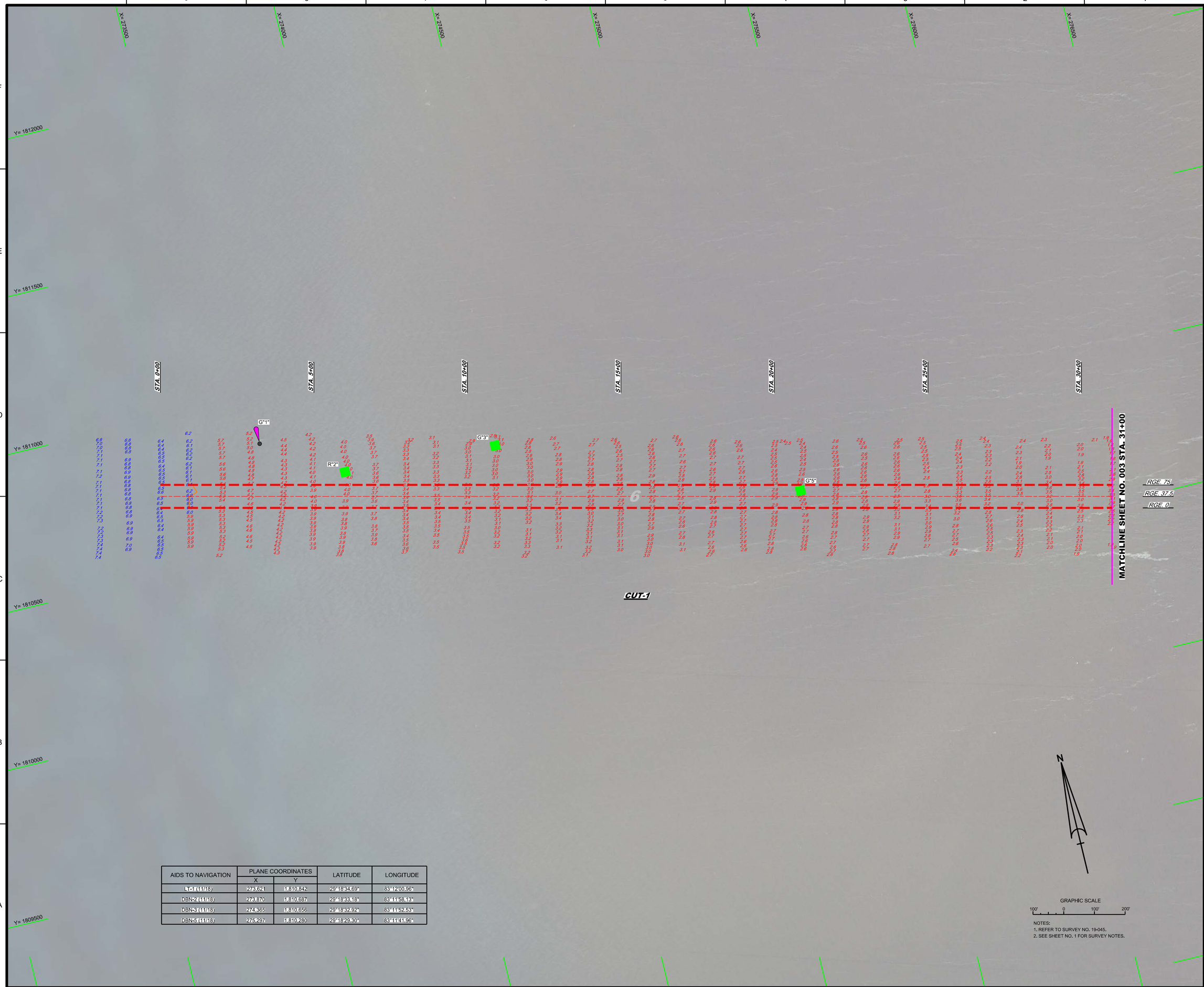
MAP

Scale: AS SHOWN

Drawing no.

1

SHEET 01 OF 07



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT-1 (11/18)	273,621	1,810,842	29°18'34.69"	83°12'00.96"
DBN-2 (11/18)	273,870	1,810,687	29°18'33.18"	83°11'58.13"
DBN-3 (11/18)	274,365	1,810,656	29°18'32.92"	83°11'52.53"
DBN-5 (11/18)	275,297	1,810,280	29°18'29.30"	83°11'41.96"

NOTES:
1. REFER TO SURVEY NO. 19-045.
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: GMS
Rev. No.
Date: NOV 2018

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
19-045-X-CONE.DGN
19-045-X-MAIN.DGN
19-045-X-SOUN_C1.DGN
MCGRIFF-PASS_83HARN.DGN
19-045-C-ESBRDR.DGN
Reference files:
19-045-VH-002.DGN
File name:

SUWANNEE RIVER - McGRIFF'S PASS
DIXIE AND LEVY COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY19
6-FOOT PROJECT

STA. 0+00 THRU STA. 31+00 CUT-1

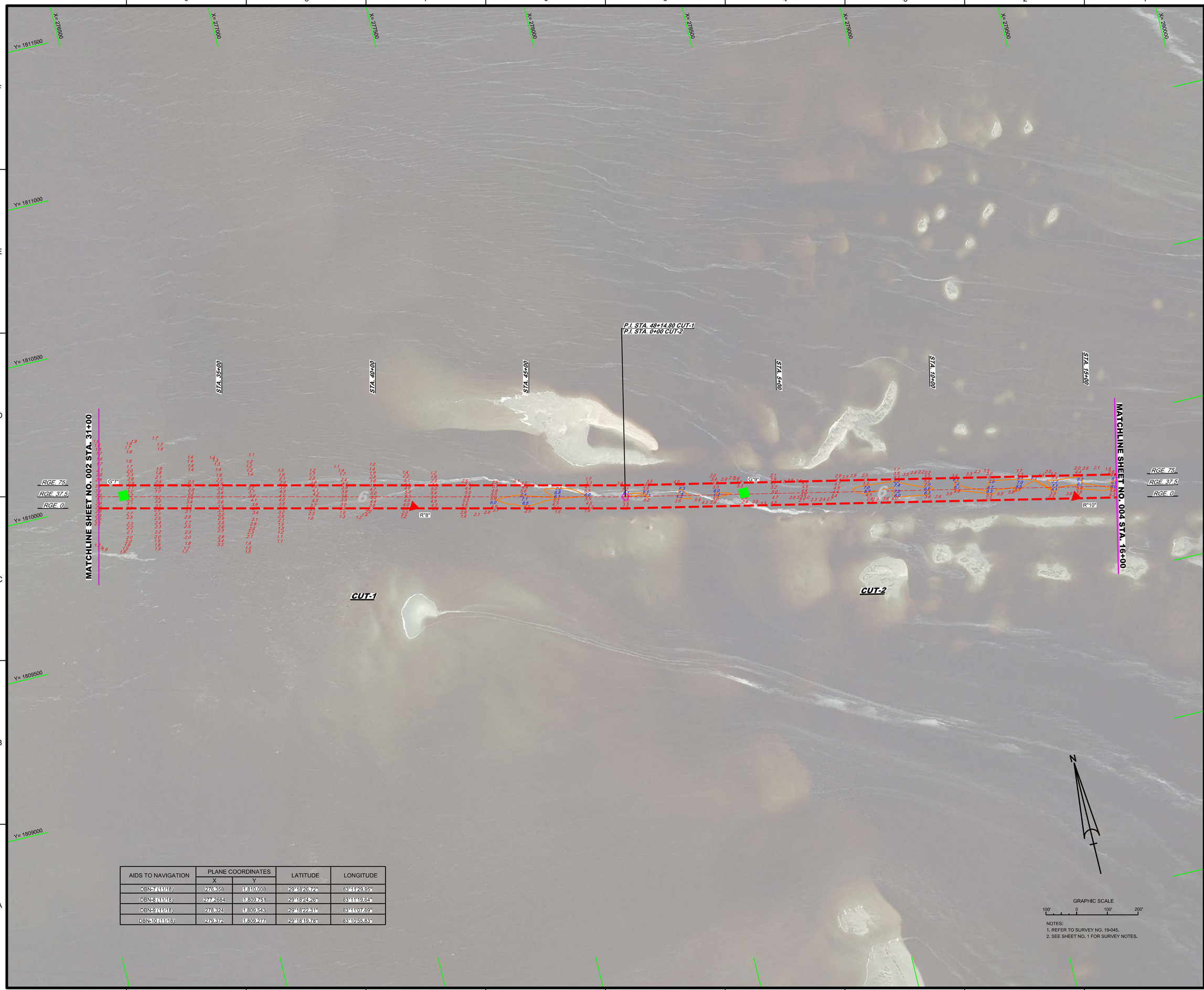
PLAN

Scale: AS SHOWN

Drawing no.

2

SHEET 02 OF 07



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-7 (11/18)	276,358	1,810,008	29°18'26.72"	83°11'29.95"
DBN-8 (11/18)	277,2684	1,809,751	29°18'24.26"	83°11'19.64"
DBN-9 (11/18)	278,324	1,809,543	29°18'22.31"	83°11'07.69"
DBN-10 (11/18)	279,372	1,809,277	29°18'19.78"	83°10'55.83"

NOTES:
1. REFER TO SURVEY NO. 19-045.
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: NOV 2018

XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
19-045-N-NAV.DGN
19-045-A-CONB.DGN
19-045-A-CONB_CLD.DGN
19-045-N-SOUN_CLD.DGN
MCGRIFF-PASS_83HARN.DGN
19-045-C-BS-BRDR.DGN
Reference files:

19-045-VH-003.DGN
File name:

SUWANNEE RIVER - McGRIFF'S PASS
DIXIE AND LEVY COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY19
6-FOOT PROJECT

STA. 31+00 CUT-1 THRU STA. 16+00 CUT-2

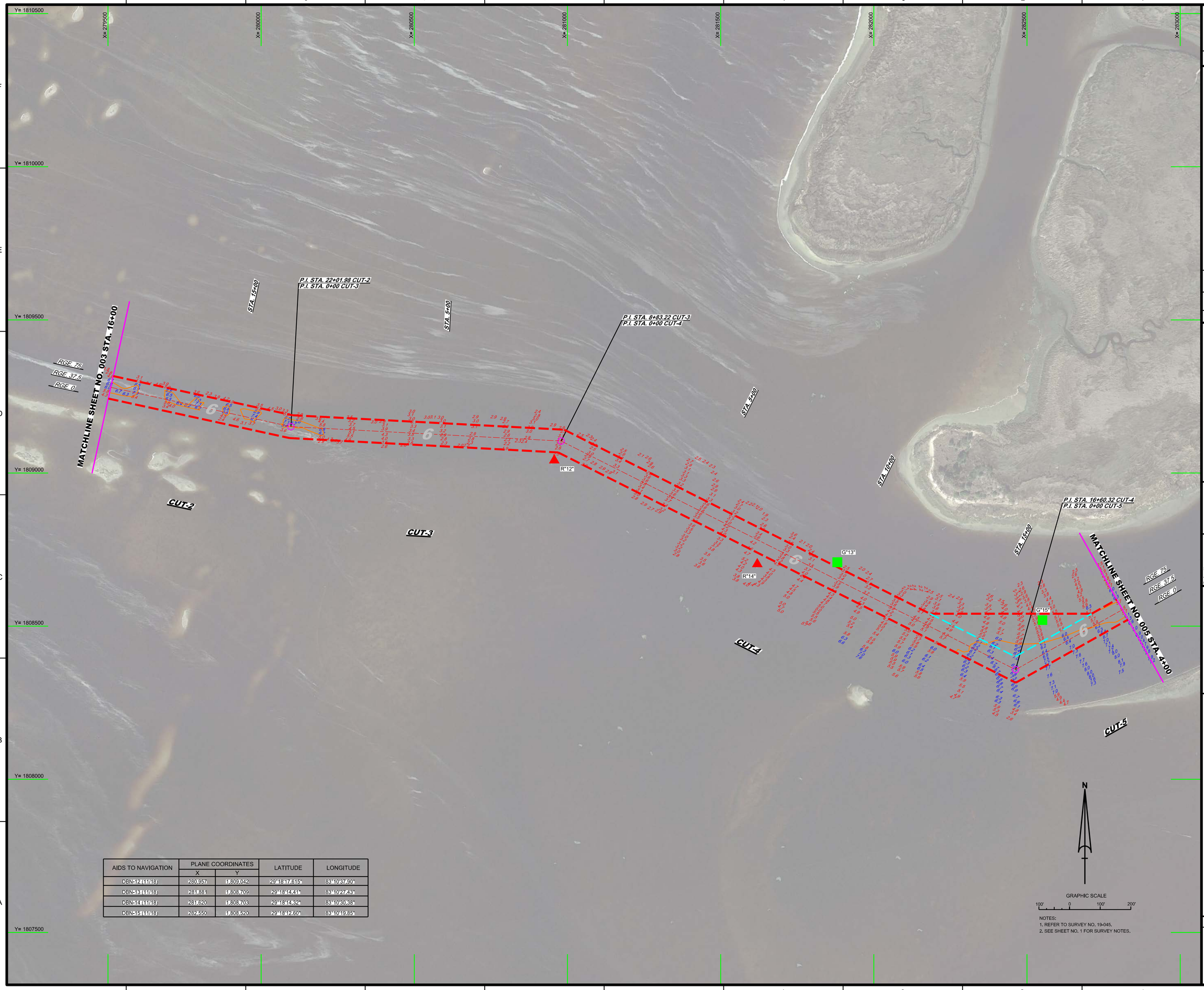
PLAN

Scale: AS SHOWN

Drawing no.

3

SHEET 03 OF 07



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-12 (11/18)	280,957	1,809,042	29°18'17.615"	83°10'37.90"
DBN-13 (11/18)	281,881	1,808,709	29°18'14.41"	83°10'27.43"
DBN-14 (11/18)	281,620	1,808,703	29°18'14.32"	83°10'30.38"
DBN-15 (11/18)	282,550	1,808,520	29°18'12.60"	83°10'19.85"

NOTES:
1. REFER TO SURVEY NO. 19-045.
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: NOV 2018

19-045-A-SOUN_CUT.DGN
19-045-A-CONTOUR.DGN
19-045-A-SOUN_C2.DGN
19-045-A-SOUN_C3.DGN
19-045-A-SOUN_C4.DGN
19-045-A-SOUN_C5.DGN
19-045-A-SOUN_C6.DGN
MCGRIFF-PASS_83HARN.DGN
19-045-C-BR-BRDR.DGN
Reference files
19-045-A-IH-004.DGN
File name:

SUWANNEE RIVER - McGRIFF'S PASS
DIXIE AND LEVY COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY19
6-FOOT PROJECT

STA. 16+00 CUT-2 THRU STA. 4+00 CUT-5

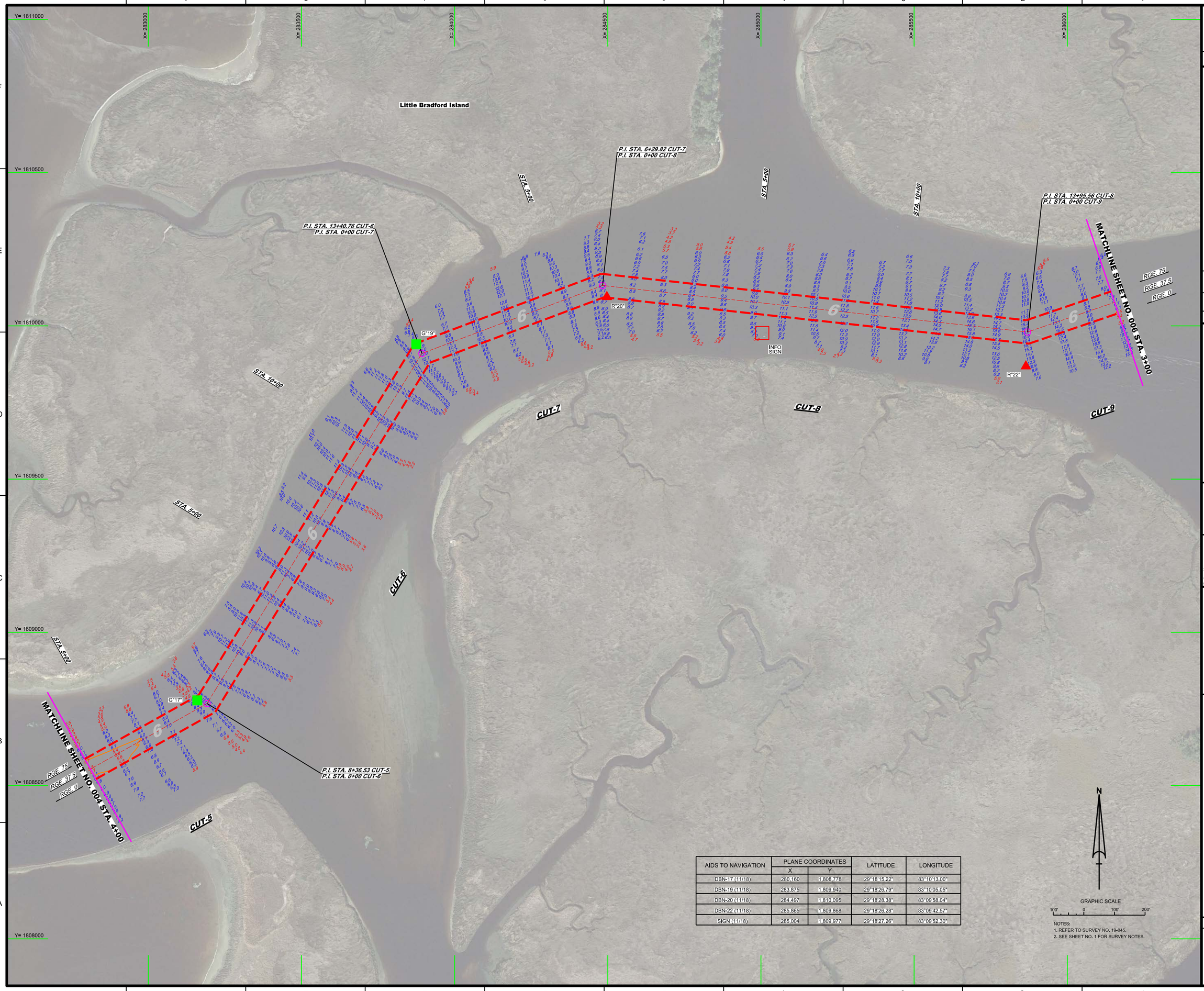
PLAN

Scale: AS SHOWN

Drawing no.

4

SHEET 04 OF 07



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-17 (11/18)	280,160	1,808,778	29°18'15.22"	83°10'13.00"
DBN-19 (11/18)	283,875	1,809,940	29°18'26.79"	83°10'05.05"
DBN-20 (11/18)	284,497	1,810,095	29°18'28.38"	83°09'58.04"
DBN-22 (11/18)	285,865	1,809,868	29°18'26.28"	83°09'42.57"
SIGN (11/18)	285,004	1,809,977	29°18'27.26"	83°09'52.30"

N

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 19-045.
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
Chd by: CMR
Rev. No.
Date: NOV 2018

19-045-V-HAV.DGN
19-045-V-CHS.DGN
19-045-V-SOUL_OR.DGN
19-045-V-SOUL_OL.DGN
19-045-V-SOUL_CT.DGN
19-045-V-SOUL_CT.DGN
19-045-V-SOUL_CR.DGN
19-045-V-SOUL_CL.DGN
MCGRIFF-PASS_8SHARN.DGN
19-045-C-ES-BRDR.DGN
Reference files:
19-045-VH-005.DGN
File name:

SUWANNEE RIVER - McGRIFF'S PASS
DIXIE AND LEVY COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY19
6-FOOT PROJECT

STA. 4+00 CUT-5 THRU STA. 3+00 CUT-9

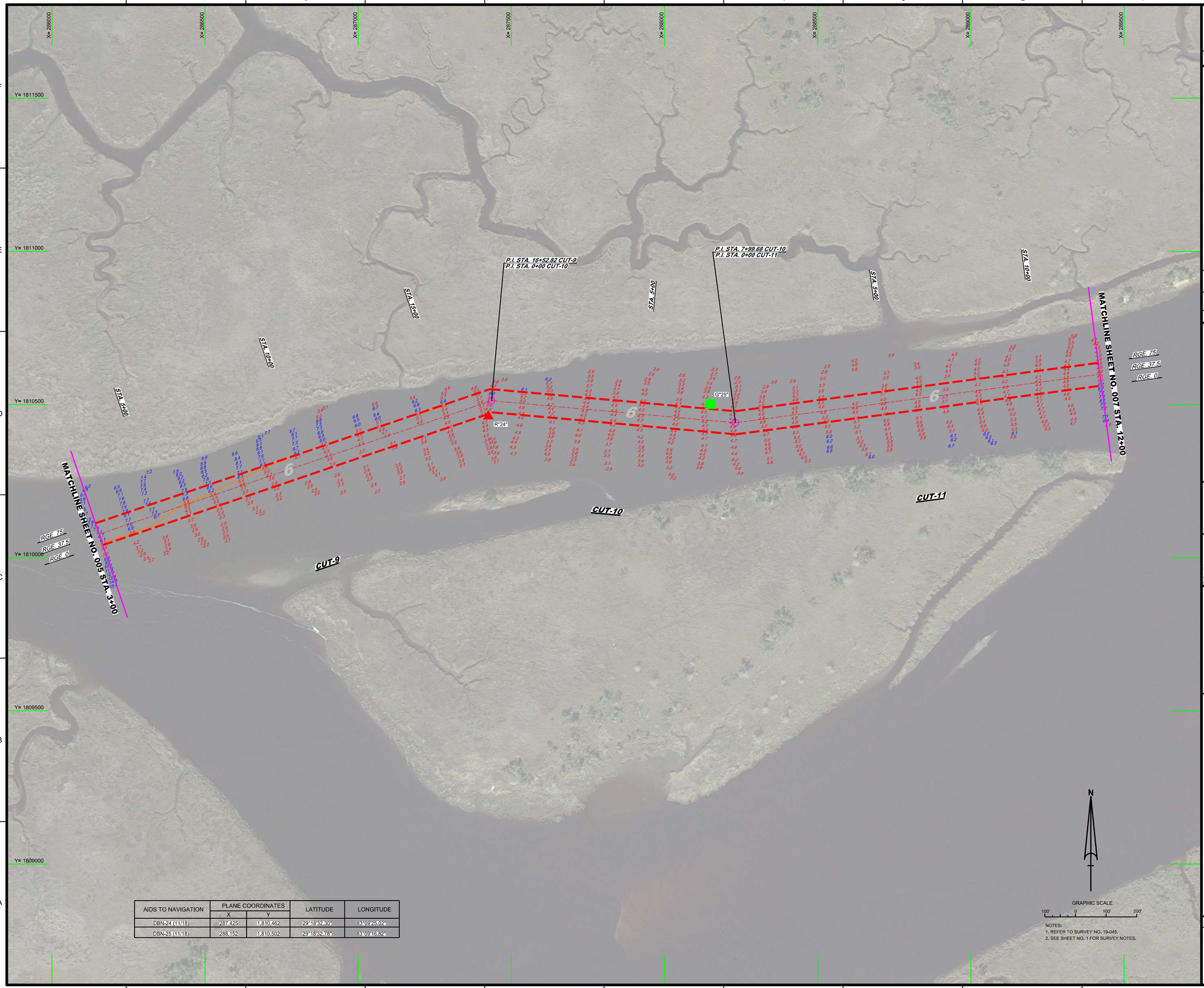
PLAN

Scale: AS SHOWN

Drawing no.

5

SHEET 05 OF 07



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-24 (11/18)	287,425	1,810,462	29°18'32.30"	83°09'25.02"
DBN-25 (11/18)	288,152	1,810,502	29°18'32.78"	83°09'16.82"

NOTES:
1. REFER TO SURVEY NO. 19-045.
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
Chkd by: GMR
Rev. No.
Date: NOV 2018

XXXXXXXXXXXXXXXXXX.DGN
19-045-A-MAX.DGN
19-045-V-CONS.DGN
19-045-V-SOUN_CR.DGN
19-045-V-SOUN_CT.DGN
19-045-V-SOUN_CT_L.DGN
MCGRIFF-PASS_SHAHN.DGN
19-045-C-ES-SHDR.DGN
19-045-V-H006.DGN

Reference files:
File name:

SUWANNEE RIVER - McGRIFFS PASS
DIXIE AND LEVY COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY19
6-FOOT PROJECT

STA. 3+00 CUT-9 THRU STA. 12+00 CUT-11

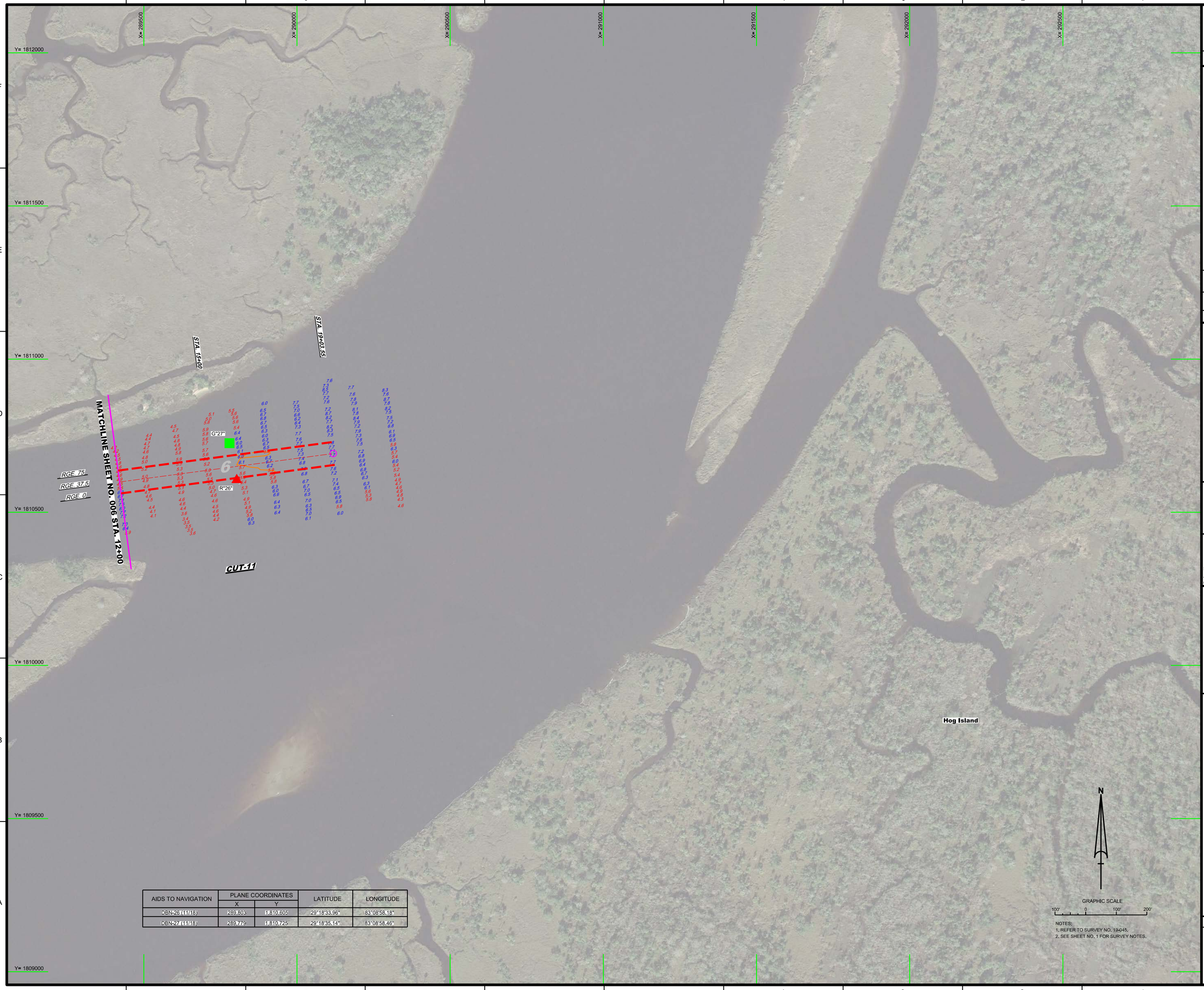
PLAN

Scale: AS SHOWN

Drawing no.

6

SHEET 06 OF 07



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
DBN-26 (11/18)	289,803	1,810,605	29°18'33.96"	83°08'58.18"
DBN-27 (11/18)	289,779	1,810,725	29°18'35.14"	83°08'58.46"

NOTES:
1. REFER TO SURVEY NO. 19-045.
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: CMR
Designed by: VIRM
DWN by: VIRM
Rev. No.
Date: NOV 2018

Reference files:
CV-XXXXXXX-XXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
19-045-V-NAV.DGN
19-045-V-SONAR.DGN
19-045-V-SOUN_C11.DGN
MCGRIFF-PASS_SHARN.DGN
19-045-C-ES-BNDR.DGN
File name: 19-045-VH-007.DGN

SUWANNEE RIVER - McGRIFFS PASS
DIXIE AND LEVY COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY19
6-FOOT PROJECT

STA. 12+00 THRU STA. 19+03.55 CUT-11

PLAN

Scale: AS SHOWN

Drawing no.

7

SHEET 07 OF 07