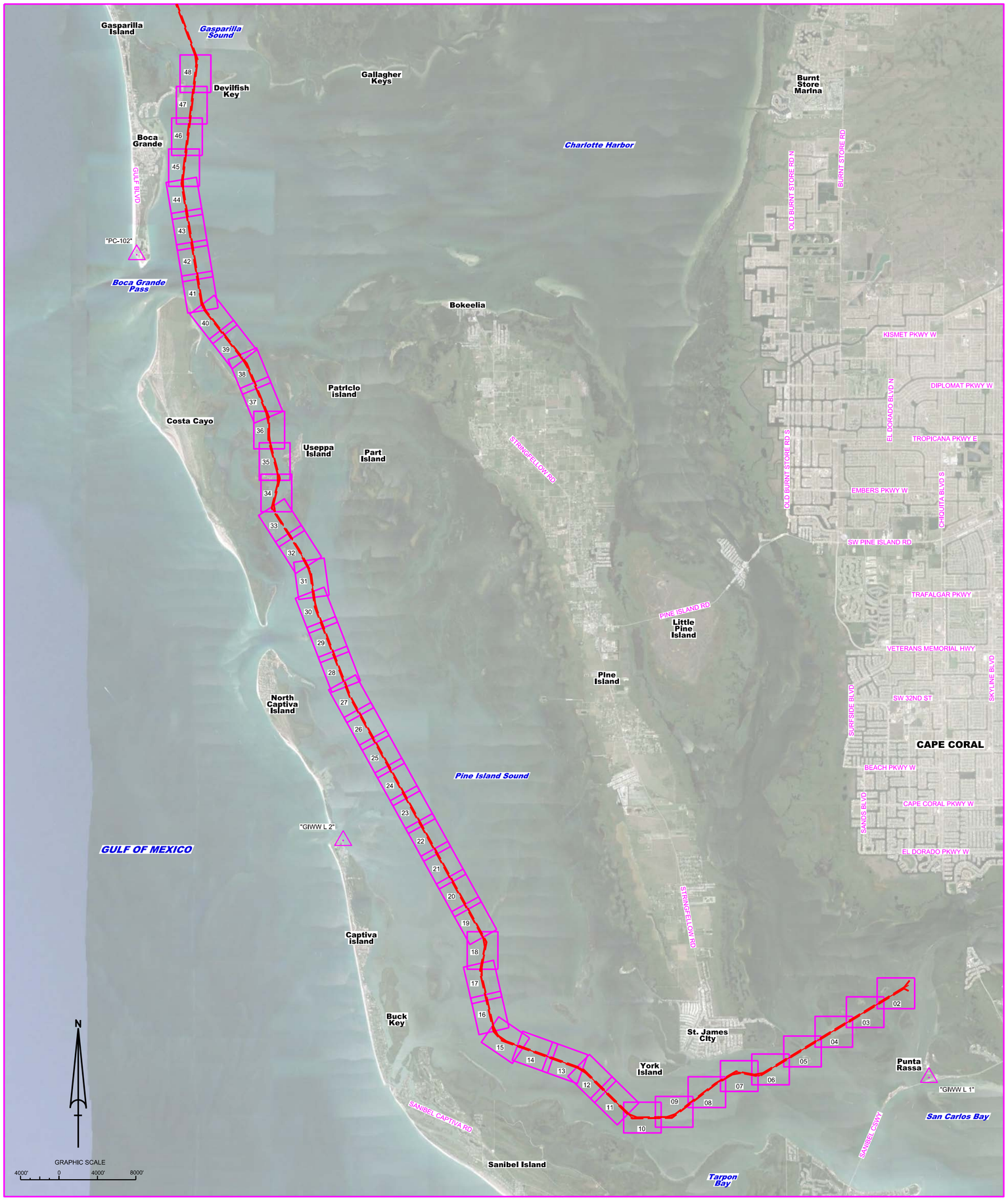
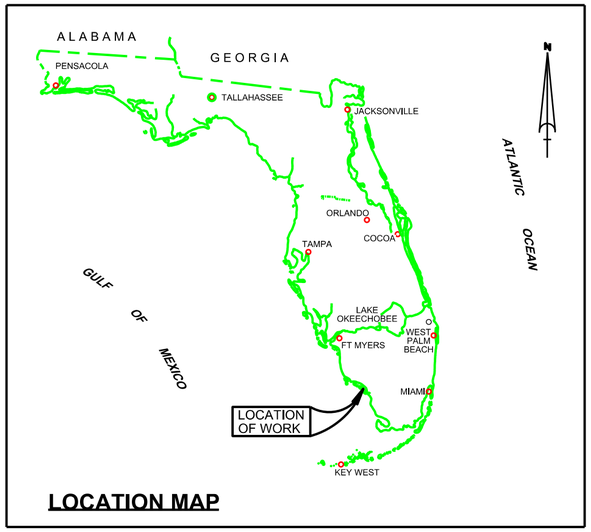




LOCATION MAP

GULF INTRACOASTAL WATERWAY CALOOSAHATCHEE RIVER TO ANCLOTE RIVER LEE COUNTY, FLORIDA EXAMINATION SURVEY FY20 9-FOOT PROJECT

SURVEY NOTES

1. REFER TO SURVEY NO. 20-109.
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 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 "GIWW L 1" (PID: BBFB07)

   REFERENCE BASE LOCATED AT "GIWW L 2" (PID: BBFB18)

   REFERENCE BASE LOCATED AT "PC102" (PID: BBCF70)
8. DEPTHS DEPICTED BY THIS SURVEY ARE REFERENCED TO MLLW, TIDAL EPOCH 1983-2001 AS REPORTED BY THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA). NOAA'S VDATUM MODEL WAS USED AND CALIBRATED TO THE PUBLISHED MLLW HEIGHTS OF THE BENCHMARKS ASSOCIATED WITH THE TIDE GAUGE SITES SPECIFIED BELOW:

   NOAA TIDAL STATION 872 5393 A USED FOR CUTS L-1 THRU L-6. (PID: DL8706)

   NOAA TIDAL STATION 872 5441 A USED FOR CUTS L-7 THRU L-11. (PID: DL8716)

   NOAA TIDAL STATION 872 5577 E USED FOR CUTS L-12 THRU L-22. (PID: DL7346)

   VERTICAL MEASUREMENTS WERE MADE USING AN EDGETECH 6205 COMBINED MULTI-BEAM AND SIDESCAN. ALL SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.

VESSEL	DATE OF SURVEY	CUT
SB-44	04 FEB 2020	L-1 THRU L-7
SB-44	05 FEB 2020	L-8 THRU L-16
SB-44	06 FEB 2020	L-16 THRU L-22

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.

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: VIRM
Drawn by: VIRM
Chk by: GMR
Inv. No.
Date: FEB 2020

XXXXXXXX-XXXXXXXX.DGN
XXXXXXXX-XXXXXXXX.DGN
XXXXXXXX-XXXXXXXX.DGN
XXXXXXXX-XXXXXXXX.DGN
XXXXXXXX-XXXXXXXX.DGN
GIWW_LEECO_INDEX.DGN
GIWW-CaloGWCCF.DGN
20a-109-CaloGRGR_LEE.DGN
Reference files:
20-109-VIR-001_LEE.DGN
File name:

GULF INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
LEE COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY20
9-FOOT PROJECT

INDEX, LOCATION AND VIOCINITY

MAP

Scale: AS SHOWN

Drawing no.

1

SHEET 01 OF 48

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"1"	CAN BUOY-1 (02/20)	649,529	790,611	26°30'31566"	82°01'13.07"
R"2"	DBN-2 (02/20)	648,356	790,125	26°30'26.74"	82°01'25.99"
G"101"	LT-101 (02/20)	650,783	791,500	26°30'40.36"	82°00'59.27"

NOTES:
1. REFER TO SURVEY NO. 20-109.
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
Ckd by: GMR
DWN by: WRM
Inv. No.
Dated: FEB 2020

Reference files:
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
20-109-V-NAV.DGN
20-109-V-CON9.DGN
20-109-V-SOUN_L-1.DGN
GIWW-C-NGMCCF.DGN
20-109-G-BS-BRDR_LEE.DGN

File name: 20-109-VH-002_LEE.DGN

GULF INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
LEE COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY20
9-FOOT PROJECT
STA. 0+00 THRU STA. 34+00 CUT L-1

PLAN

Scale: AS SHOWN

Drawing no.
2

SHEET 02 OF 48

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"2A"	DBN-2A (02/20)	646,504	789,016	26°30'15.75"	82°01'46.37"
G"3"	DBN-3 (02/20)	646,562	788,886	26°30'14.46"	82°01'45.73"
G"3A"	DBN-3A (02/20)	644,752	787,787	26°30'03.57"	82°02'05.66"
R"4"	DBN-4 (02/20)	644,669	787,909	26°30'04.78"	82°02'06.56"

NOTES:
1. REFER TO SURVEY NO. 20-109.
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: FEB 2020

Reference files:
C:\XXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
20-109-N-NAV.DGN
20-109-N-SOUND.DGN
20-109-N-SOUN_L-1.DGN
GMWW-C-NGMCGF.DGN
20-109-C-ESHDR_LEE.DGN

File name: 20-109-VH-003_LEE.DGN

GULF INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
LEE COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY20
9-FOOT PROJECT

STA. 34+00 THRU STA. 72+00 CUT L-1

PLAN

Scale: AS SHOWN

Drawing no.

3

SHEET 03 OF 48

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"5"	DBN-5 (02/20)	642,845	786,663	26°29'52.43"	82°02'26.64"
R"6"	LT-6 (02/20)	642,741	786,754	26°29'53.33"	82°02'27.78"

N

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 20-109.
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: FEB 2020

X:\XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
20-109-N-NAV.DGN
20-109-N-SURVEY.DGN
20-109-N-SOUN_L-1.DGN
GIWW-C-NGMCF.DGN
20-109-C-PS-BRDR_LEE.DGN
Reference files:
File name: 20-109-VH-004_LEE.DGN

GULF INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
LEE COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY20
9-FOOT PROJECT

STA. 72+00 THRU STA. 110+00 CUT L-1

PLAN

Scale: AS SHOWN

Drawing no.

4

SHEET 04 OF 48

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"7"	CAN BUOY-7 (02/20)	640,906	785,423	26°29'40.14"	82°02'47.98"
R"8"	DBN-8 (02/20)	639,491	784,722	26°29'33.20"	82°03'03.55"
G"9"	DBN-9 (02/20)	638,492	783,981	26°29'25.86"	82°03'14.55"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 20-109.
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: FEB 2020

X:\XXXXXXXX-XXXXX.DGN
XXXXXXXX-XXXXXX.DGN
XXXXXXXX-XXXXXX.DGN
XXXXXXXX-XXXXXX.DGN
20-109-M-NAV.DGN
20-109-M-CONTOUR.DGN
20-109-A-SOUN_L-1.DGN
GMWW-C-NGMCSF.DGN
20-109-C-BS-BRDR_LEE.DGN
Reference files
20-109-VR-005_LEE.DGN
File name:

GULF INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
LEE COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY20
9-FOOT PROJECT

STA. 110+00 THRU STA. 149+00 CUT L-1

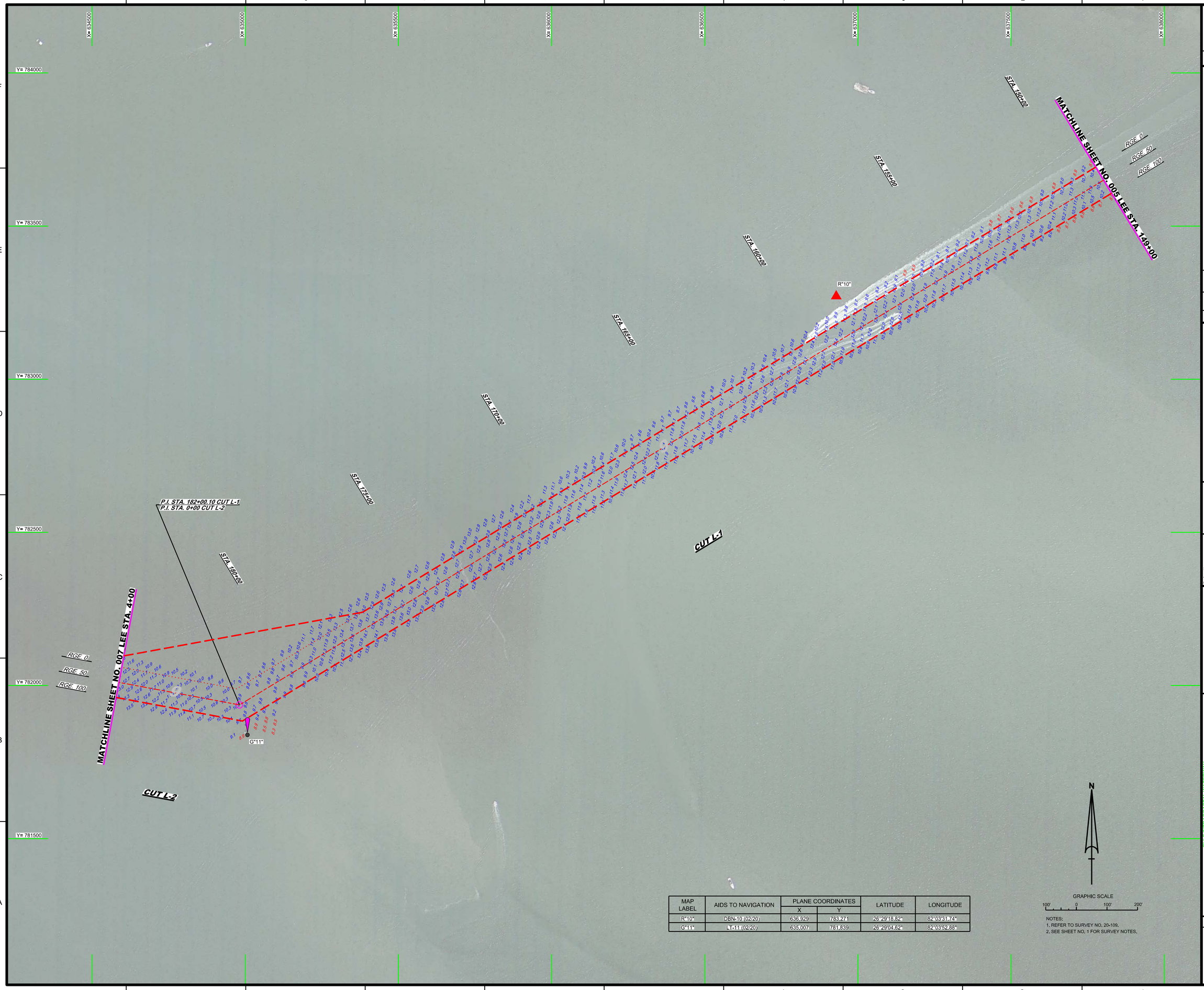
PLAN

Scale: AS SHOWN

Drawing no.

5

SHEET 05 OF 48



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"10"	DBN-10 (02/20)	636,929	783,271	26°29'18.82"	82°03'31.74"
G"11"	LT-11 (02/20)	635,007	781,839	26°29'04.62"	82°03'52.88"

NOTES:
1. REFER TO SURVEY NO. 20-109.
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: FEB 2020

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
20-109-V-NAV.DGN
20-109-V-SOUN_L1.DGN
20-109-V-SOUN_L2.DGN
GIWW-C-NGMCGF.DGN
20-109-C-ES-BRDR_LEE.DGN
Reference files:
20-109-VHD05_LEE.DGN
File name:

GULF INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
LEE COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY20
9-FOOT PROJECT

STA. 149+00 CUT L-1 THRU STA. 4+00 CUT L-2

PLAN

Scale: AS SHOWN

Drawing no.

6

SHEET 06 OF 48

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"11A"	DBN-11A (02/20)	632,351	781,685	26°29'03.09"	82°04'22.12"
R"12"	LT-12 (02/20)	632,631	782,375	26°29'09.92"	82°04'19.04"

NOTES:
1. REFER TO SURVEY NO. 20-109.
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: FEB 2020

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
20-109A-MAV.DGN
20-109A-SOUN_L-2.DGN
20-109A-SOUN_L-3.DGN
GMWW-CNGMCSF.DGN
20-109-CS-BRDR_LEE.DGN
Reference files:
20-109-VHD07_LEE.DGN
File name:

GULF INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
LEE COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY20
9-FOOT PROJECT

STA. 4+00 CUT L-2 THRU STA. 16+00 CUT L-3

PLAN

Scale: AS SHOWN

Drawing no.
7

SHEET 07 OF 48

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"13"	LT-13 (02/20)	629,944	780,334	26°28'49.69"	82°04'48.60"
G"13A"	DBN-13A (02/20)	628,192	779,025	26°28'36.71"	82°05'07.87"

NOTES:
1. REFER TO SURVEY NO. 20-109.
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: FEB 2020

Reference files:
XXXXXXXXXX-XXXXXX.DGN
XXXXXXXXXX-XXXXXX.DGN
XXXXXXXXXX-XXXXXX.DGN
20-109-N-NAV.DGN
20-109-N-SOUN_L.DGN
20-109-N-SOUN_L-4.DGN
GIWW-C-NGMGCF.DGN
20-109-C-ES-BNDR_LEE.DGN
20-109-VH-H08_LEE.DGN
File name:
20-109-VH-H08_LEE.DGN

GULF INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
LEE COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY20
9-FOOT PROJECT

STA. 16+00 CUT L-3 THRU STA. 33+00 CUT L-4

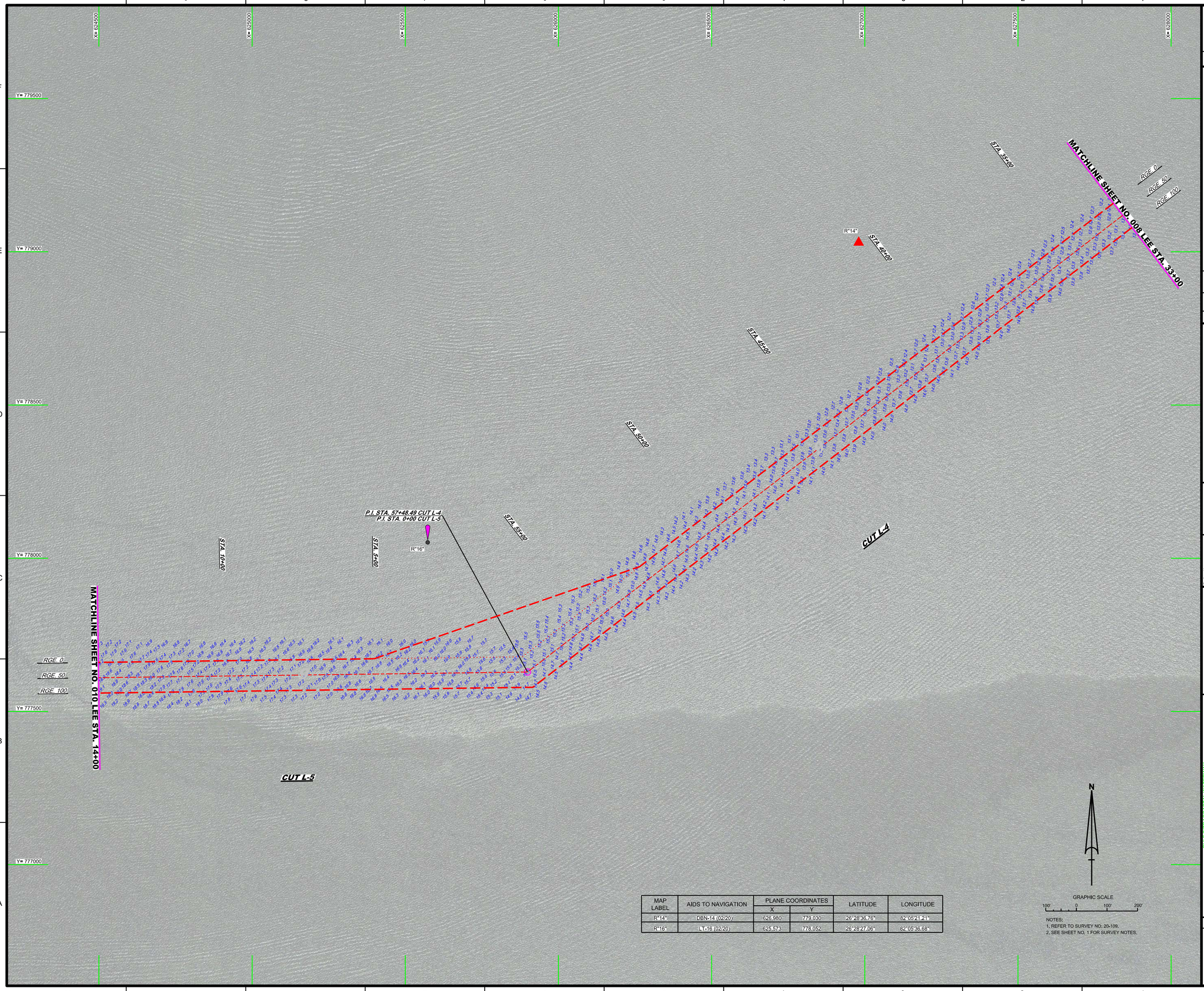
PLAN

Scale: AS SHOWN

Drawing no.

8

SHEET 08 OF 48



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"14"	DBN-14 (02/20)	626,980	779,030	26°28'36.76"	82°05'21.21"
R"16"	LT-16 (02/20)	625,573	778,052	26°28'27.06"	82°05'36.68"

NOTES:
1. REFER TO SURVEY NO. 20-109.
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: FEB 2020

Reference files:
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
20-109-V-NAV.DGN
20-109-V-SOUN_L.DGN
20-109-V-SOUN_L-4.DGN
GIWW-C-NGMCF.DGN
20-109-C-BS-BNDR_LEE.DGN
File name: 20-109-VH-009_LEE.DGN

GULF INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
LEE COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY20
9-FOOT PROJECT

STA. 33+00 CUT L-4 THRU STA. 14+00 CUT L-5

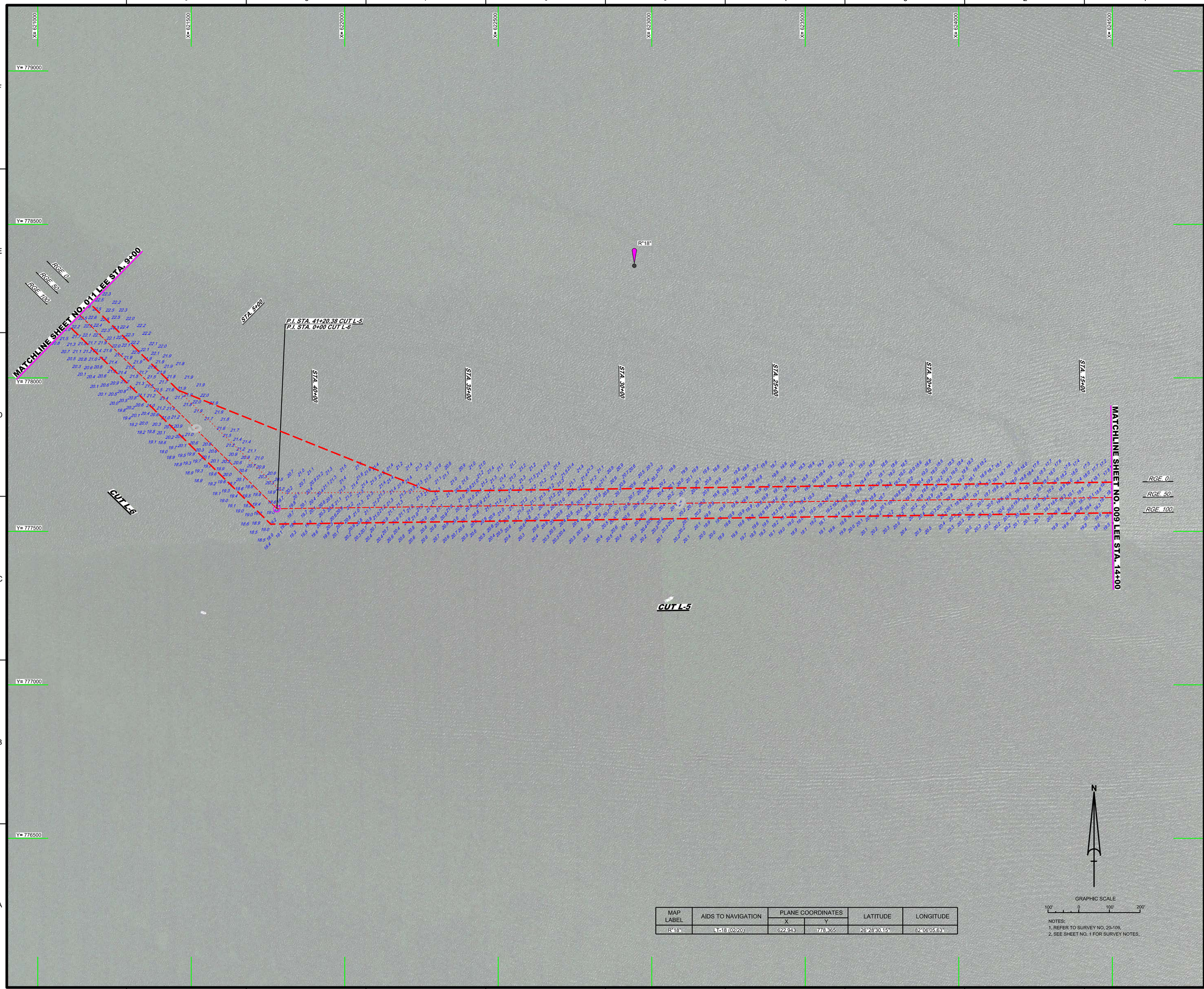
PLAN

Scale: AS SHOWN

Drawing no.

9

SHEET 09 OF 48



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"18"	LT-18 (02/20)	622,943	778,365	26°28'30.15"	82°06'05.63"

NOTES:
1. REFER TO SURVEY NO. 20-109.
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: VRM
DWN by: VRM
Chk by: GMR
Trv. No.
Date: FEB 2020

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
20-109-NAVIGATION.DGN
20-109-VERTICAL-1.DGN
20-109-SOUN_L-6.DGN
GMWV-CABGMCCF.DGN
20-109-CABSHRDR_LEE.DGN
Reference files
20-109-HH010_LEE.DGN
Parameters

GULF INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
LEE COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY20
9-FOOT PROJECT

STA. 14+00 CUT L-5 THRU STA. 9+00 CUT L-6

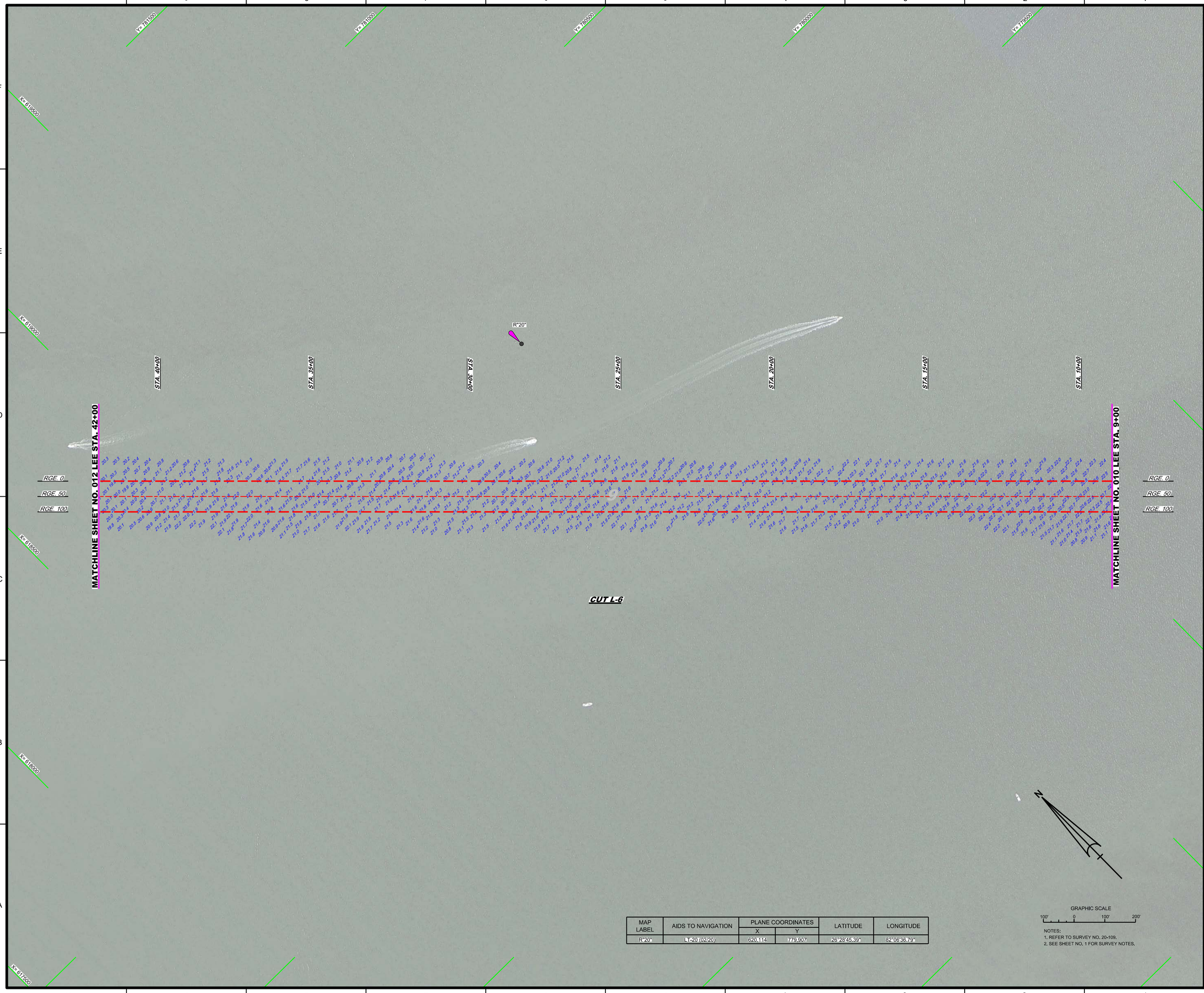
PLAN

Scale: AS SHOWN

Drawing no.

10

SHEET 10 OF 48



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"20"	LT-20 (02/20)	620,114	779,907	26°28'45.39"	82°06'36.79"

NOTES:
1. REFER TO SURVEY NO. 20-109.
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: FEB 2020

XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
20-109-VARIOUS
20-109-VARIOUS_L4_DGN
GMWW-C-KGMGCF.DGN
20-109-C-ESHBRDR_LEE.DGN
Reference files:
20-109-VH011_LEE.DGN
File name:

GULF INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
LEE COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY20
9-FOOT PROJECT

STA. 9+00 THRU STA. 42+00 CUT L-6

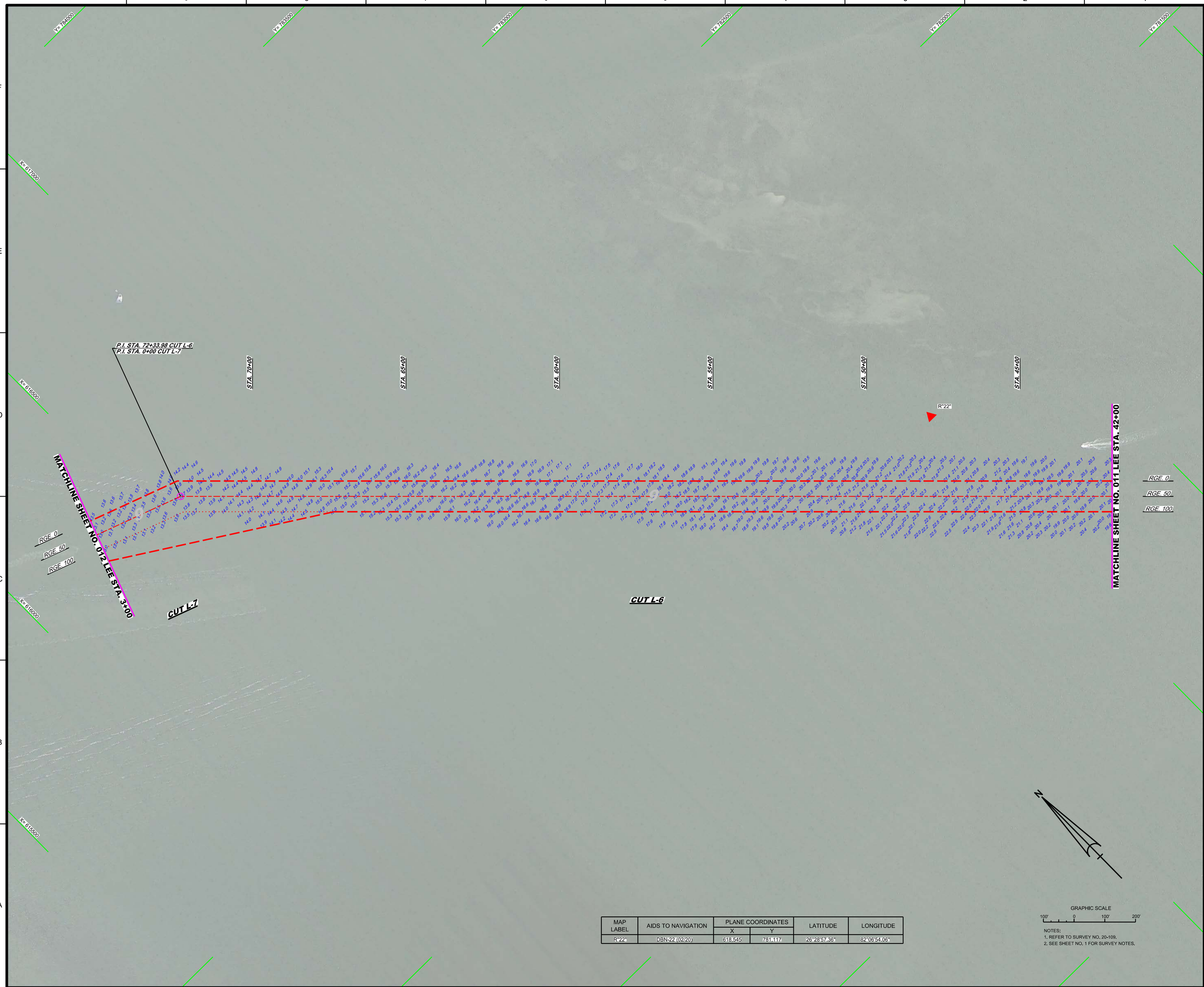
PLAN

Scale: AS SHOWN

Drawing no.

11

SHEET 11 OF 48



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"22"	DBN-22 (02/20)	618,545	781,117	26°28'57.36"	82°06'54.06"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 20-109.
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
Chk by: GMB
Rev. No.
Date: FEB 2020

XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
20-109-NAV.DGN
20-109-VERTICAL.DGN
20-109-VS-CUN_L-7.DGN
GMW-C-CKSMCCF.DGN
20-109-C-ESHBRDR_LEE.DGN
Reference files:
20-109-VH-012_LEE.DGN
File name:

GULF INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
LEE COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY20
9-FOOT PROJECT

STA. 42+00 CUT L-6 THRU STA. 3+00 CUT L-7

PLAN

Scale: AS SHOWN

Drawing no.

12

SHEET 12 OF 48

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"23"	LT-23 (02/20)	614,638	783,101	26°29'16.97"	82°07'37.09"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 20-109.
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: FEB 2020

Reference files:
XXXXXXXXXX-XXXXXX.DGN
XXXXXXXXXX-XXXXXX.DGN
XXXXXXXXXX-XXXXXX.DGN
XXXXXXXXXX-XXXXXX.DGN
XXXXXXXXXX-XXXXXX.DGN
20-109-V-SOUN_L7.DGN
GMWV-C-NGMCCF.DGN
20-109-C-ESHDR_LEE.DGN

File name: 20-109-VH-013_LEE.DGN

GULF INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
LEE COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY20
9-FOOT PROJECT

STA. 3+00 THRU STA. 35+00 CUT L-7

PLAN

Scale: AS SHOWN

Drawing no.

13

SHEET 13 OF 48

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"24"	DBN-24 (02/20)	612,413	784,487	26°29'30.68"	82°08'01.59"

NOTES:
1. REFER TO SURVEY NO. 20-109.
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
Inv. No.
Dated: FEB 2020

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
20-109A-SOUNDING.DGN
20-109A-SOUN_L-7.DGN
GRWW-C-NGWCCF.DGN
20-109A-C-BS-BRDR_LEE.DGN
Reference files:
20-109-PH-014_LEE.DGN
File name:

GULF INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
LEE COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY20
9-FOOT PROJECT

STA. 36+00 THRU STA. 69+00 CUT L-7

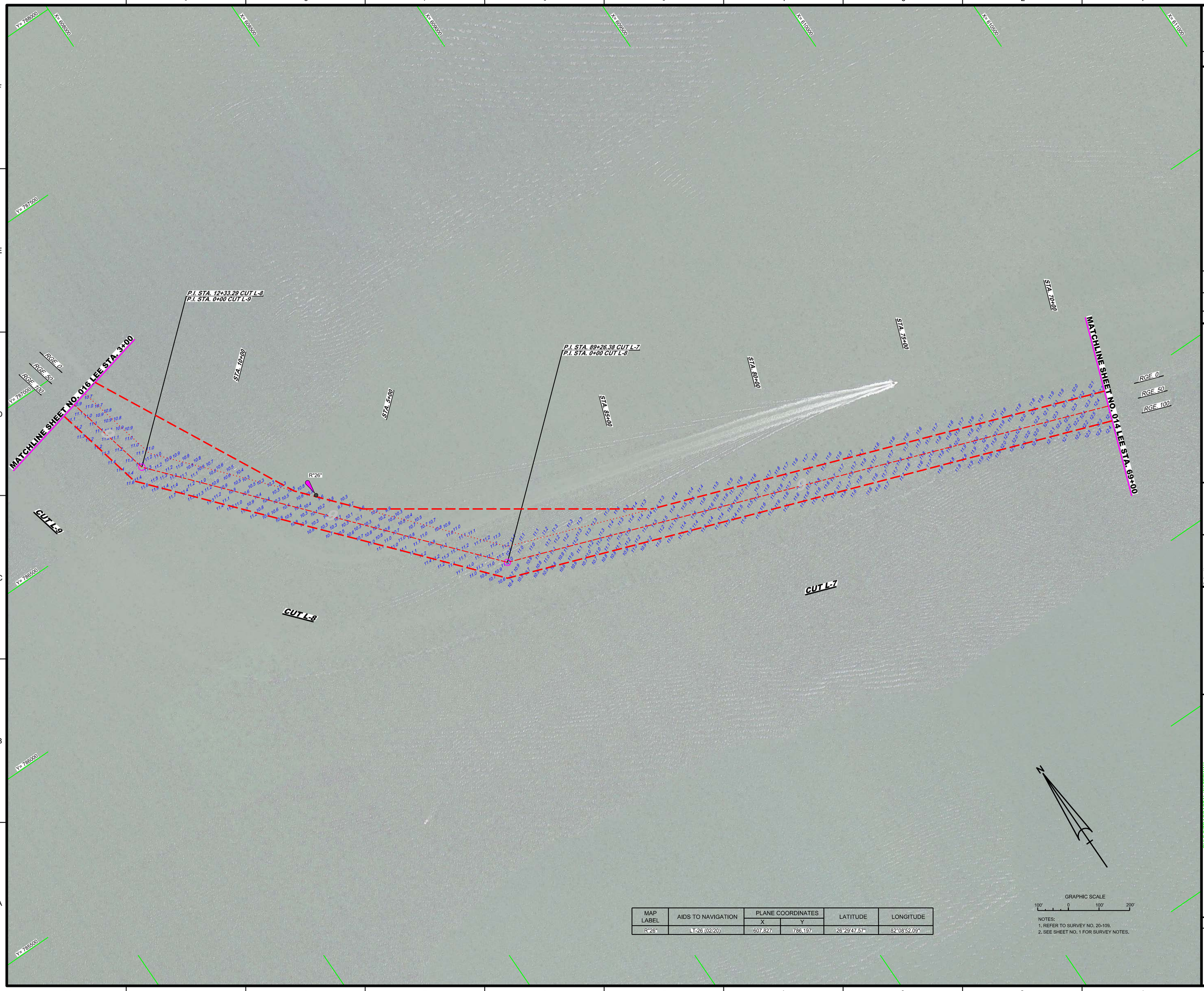
PLAN

Scale: AS SHOWN

Drawing no.

14

SHEET 14 OF 48



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"26"	LT-26 (02/20)	607,827	786,197	26°29'47.57"	82°08'52.09"

NOTES:
1. REFER TO SURVEY NO. 20-109.
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: FEB 2020

X:\XXXXXXXX-XXXXXXX.DGN
XXXXXXXX-XXXXXXXX-LIDX.DGN
20-109-NAV.DGN
20-109-M-SOUN_L-7.DGN
20-109-M-SOUN_L-8.DGN
20-109-M-SOUN_L-9.DGN
GIWW-C-NGMGCF.DGN
20-109-C-ES-BRDR_LEE.DGN
Reference files:
20-109-VH-015_LEE.DGN
File name:

GULF INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
LEE COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY20
9-FOOT PROJECT

STA. 69+00 CUT L-7 THRU STA. 3+00 CUT L-9

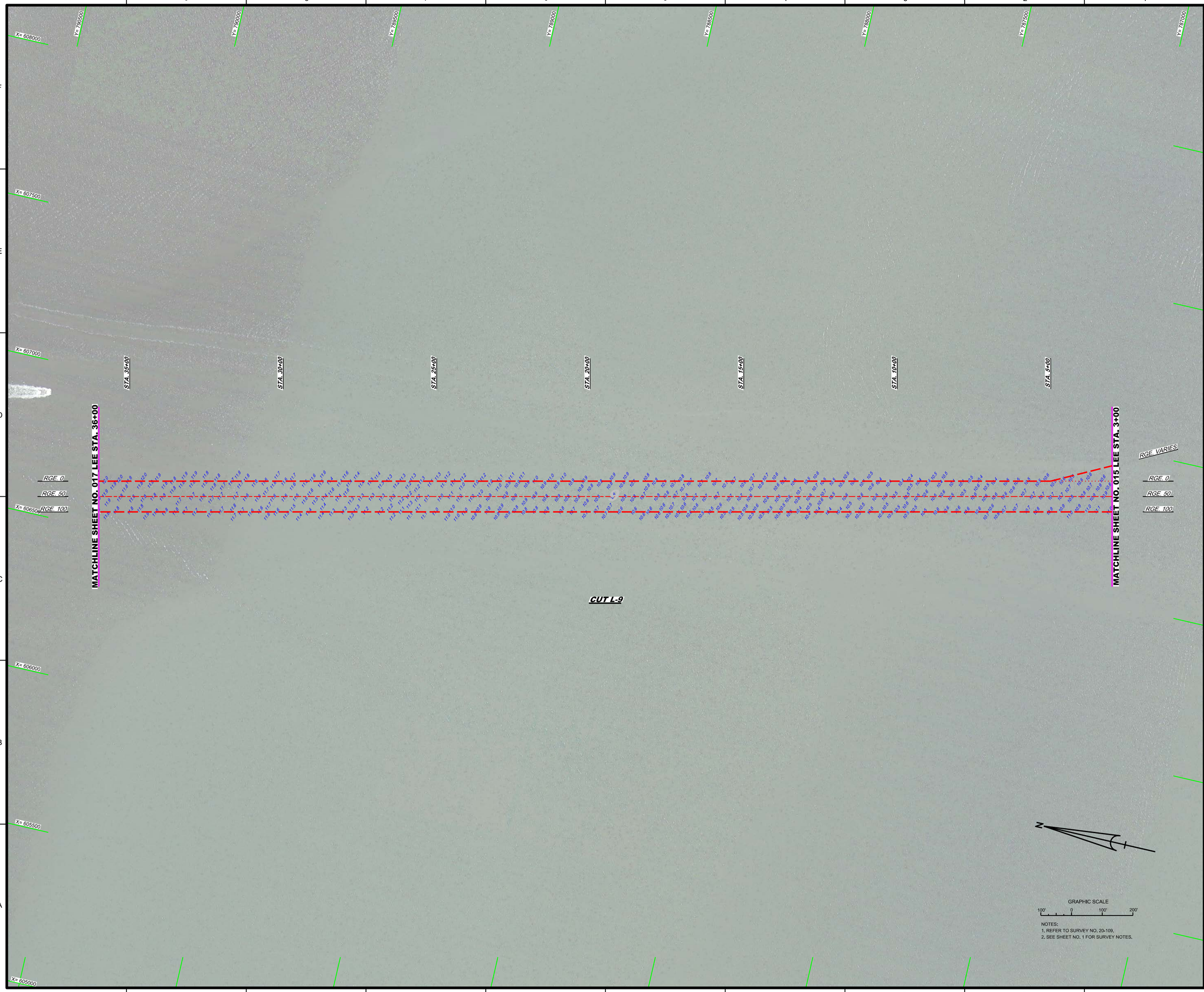
PLAN

Scale: AS SHOWN

Drawing no.

15

SHEET 15 OF 48



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: FEB 2020

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
20-109A-XSGN_L-9.DGN
GWW-C-NGWCCF.DGN
20-109-C-BS-BRDR_LEE.DGN
Reference files:

20-109-FH-016_LEE.DGN
File name:

GULF INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
LEE COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY20
9-FOOT PROJECT

STA. 3+00 THRU STA. 36+00 CUT L-9

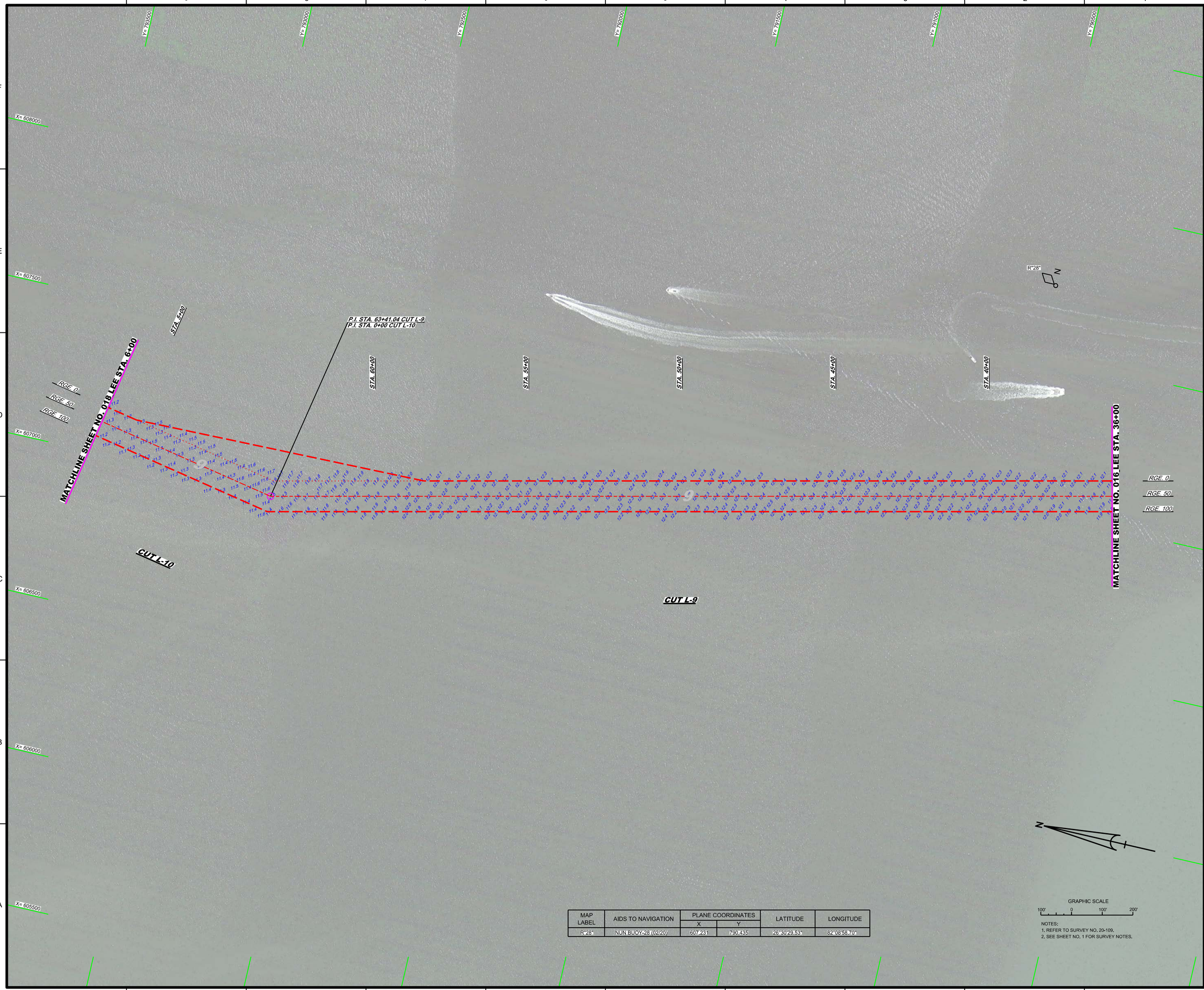
PLAN

Scale: AS SHOWN

Drawing no.

16

SHEET 16 OF 48



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"28"	NUN BUOY-28 (02/20)	607,231	790,435	26°30'29.53"	82°08'58.70"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 20-109.
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
Inv. No.
Dated: FEB 2020

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
20-109A1-NAVX.DGN
20-109A1-SOUN_1-4.DGN
20-109A1-SOUN_L-10.DGN
GRWN-C-NGWCCF.DGN
20-109-C-BS-BRDR_LEE.DGN
Reference files:

20-109-FH-017_LEE.DGN
File name:

GULF INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
LEE COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY20
9-FOOT PROJECT

STA. 36+00 CUT L-9 THRU STA. 6+00 CUT L-10

PLAN

Scale: AS SHOWN

Drawing no.

17

SHEET 17 OF 48

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"30"	DBN-30 (02/20)	606,969	794,852	26°31'13.27"	82°09'04.65"
G"31"	DBN-31 (02/20)	606,406	795,819	26°31'22.85"	82°09.07.86"
R"32"	LT-32 (02/20)	606,688	795,895	26°31'23.60"	82°09'04.75"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 20-109.
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: FEB 2020

Reference files:
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
20-109-V-NAV.DGN
20-109-V-CON9.DGN
20-109-V-SOUN_L-10.DGN
20-109-V-SOUN_L-11.DGN
GIWW-C-NGMCCF.DGN
20-109-G-BS-BRDR_LEE.DGN

File name: 20-109-VH-018_LEE.DGN

GULF INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
LEE COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY20
9-FOOT PROJECT

STA. 6+00 CUT L-10 THRU STA. 9+00 CUT L-11

PLAN

Scale: AS SHOWN

Drawing no.
18

SHEET 18 OF 48

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"33"	CAN BUOY-33 (02/20)	605,699	797,204	26°31'36.56"	82°09'15.65"
R"34"	DBN-34 (02/20)	604,927	799,085	26°31'55.18"	82°09'24.18"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 20-109.
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
Rev. No.
Date: FEB 2020
Chk'd by: CMR

I:\XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
20-109-M-NAV.DGN
20-109-M-CONTROL.DGN
20-109-L-SOUNDL-11.DGN
GMWV-C-NGMCGF.DGN
20-109-C-BS-BRDR_LEE.DGN
Reference files:
20-109-VH-019_LEE.DGN
File name:

GULF INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
LEE COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY20
9-FOOT PROJECT

STA. 9+00 THRU STA. 42+00 CUT L-11

PLAN

Scale: AS SHOWN

Drawing no.

19

SHEET 19 OF 48

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"35"	DBN-35 (02/20)	603,597	801,042	26°32'14.54"	82°09'38.85"
R"36"	DBN-36 (02/20)	603,805	801,173	26°32'15.84"	82°09'36.57"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 20-109.
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

Chief by: CMR
Designed by: VIRM
DWN by: VIRM
Rev. No.
Date: FEB 2020

CV:XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXXXX.DGN
20-109-N-NAV.DGN
20-109-N-CONTOUR.DGN
20-109-L-SOUND_L-11.DGN
GIWW-C-NGMCGF.DGN
20-109-C-ES-BRDR_LEE.DGN
Reference files:
20-109-VH-H20_LEE.DGN
File name:

GULF INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
LEE COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY20
9-FOOT PROJECT

STA. 42+00 THRU STA. 75+00 CUT L-11

PLAN

Scale: AS SHOWN

Drawing no.

20

SHEET 20 OF 48

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"37"	DBN-37 (02/20)	602,249	803,460	26°32'38.47"	82°09'53.73"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 20-109.
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
Trv. No.
Dates: FEB 2020

XXXXXXXXX-XXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
20-109A1-NAV.DGN
20-109A2-CONTROL.DGN
20-109A-SOUN_L-11.DGN
GIWW-C-ANGMCSF.DGN
20-109A0-BS-BRGR_LEE.DGN
Reference files:

20-109-IPH021_LEE.DGN
File name:

GULF INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
LEE COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY20
9-FOOT PROJECT

STA. 75+00 THRU STA. 108+00 CUT L-11

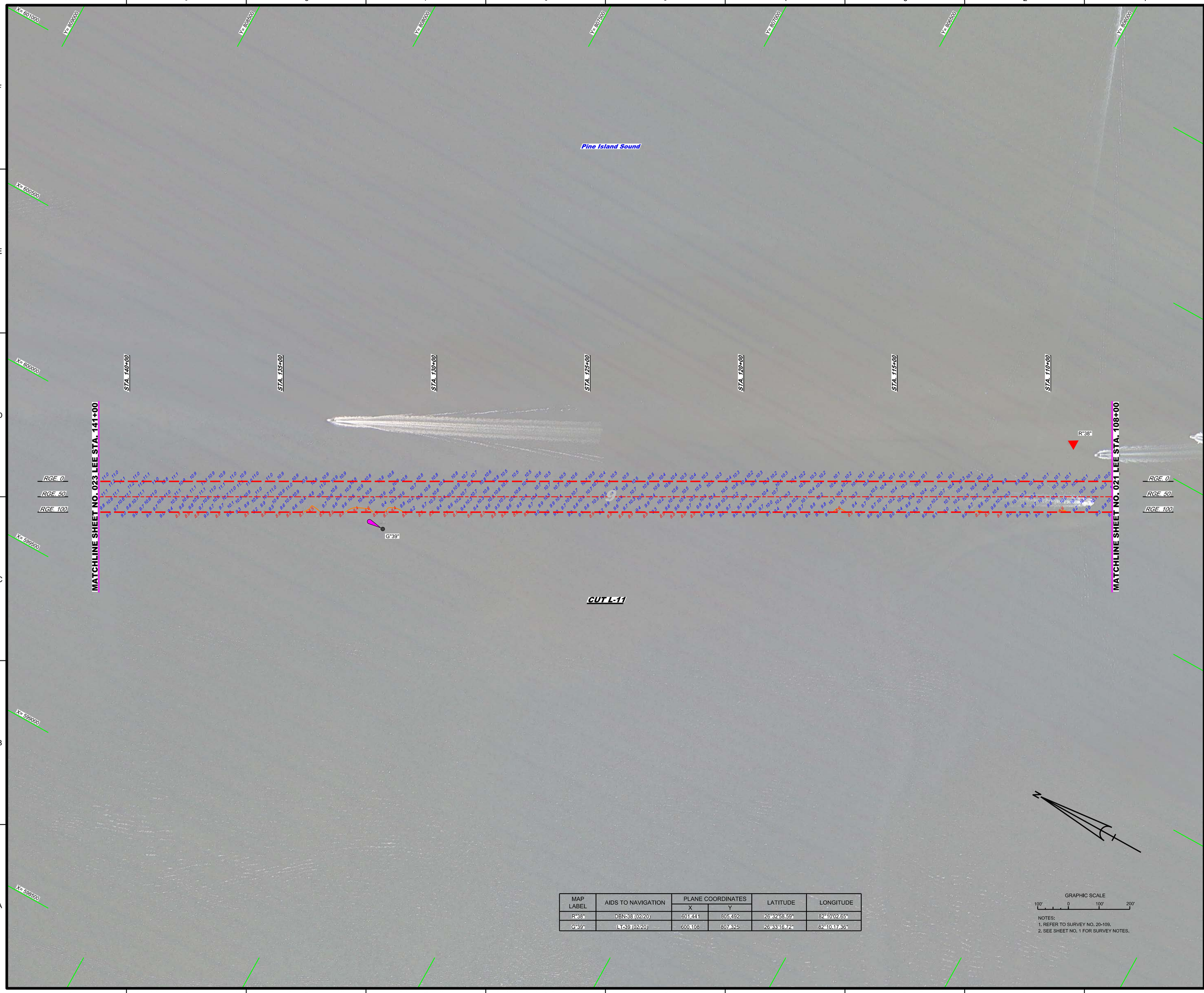
PLAN

Scale: AS SHOWN

Drawing no.

21

SHEET 21 OF 48



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"38"	DBN-38 (02/20)	601,441	805,492	26°32'58.59"	82°10'02.65"
G"39"	LT-39 (02/20)	600,108	807,325	26°33'16.72"	82°10'17.36"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 20-109.
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
Cad by: GMR
Inv. No.
Date: FEB 2020

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
20-109-NAV.DGN
20-109-SOUNDING.DGN
20-109-SOUN_L-11.DGN
GIWW-C-ONGMCF.DGN
20-109-CABS-BRDR_LEE.DGN
Reference files:
20-109-VH-022_LEE.DGN
File name:

GULF INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
LEE COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY20
9-FOOT PROJECT

STA. 108+00 THRU STA. 141+00 CUT L-11

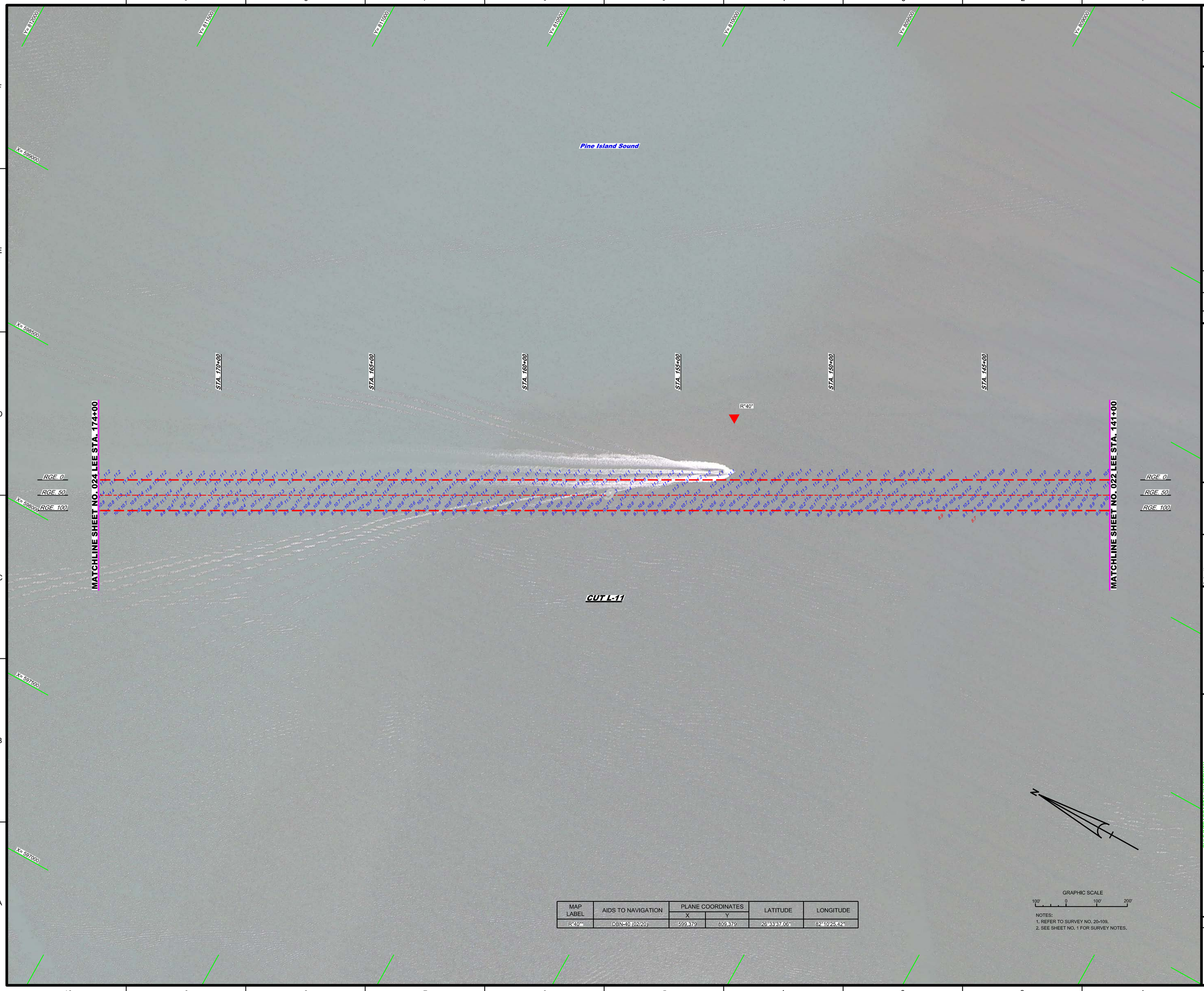
PLAN

Scale: AS SHOWN

Drawing no.

22

SHEET 22 OF 48



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"40""	DBN-40 (02/20)	599,379	809,379	26°33'37.06"	82°10'25.42"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 20-109.
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: FEB 2020

XXXXXXXXX-XXXXXXX.DGN
XXXXXXXXX-XXXXXXX.DGN
XXXXXXXXX-XXXXXXX.DGN
20-109-N-SOUN_L-11.DGN
GIWW-C-ASMCOF.DGN
20-109-C-ESHBRDR_LEE.DGN
Reference files:

20-109-VH-023_LEE.DGN
File name:

GULF INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
LEE COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY20
9-FOOT PROJECT

STA. 141+00 THRU STA. 174+00 CUT L-11

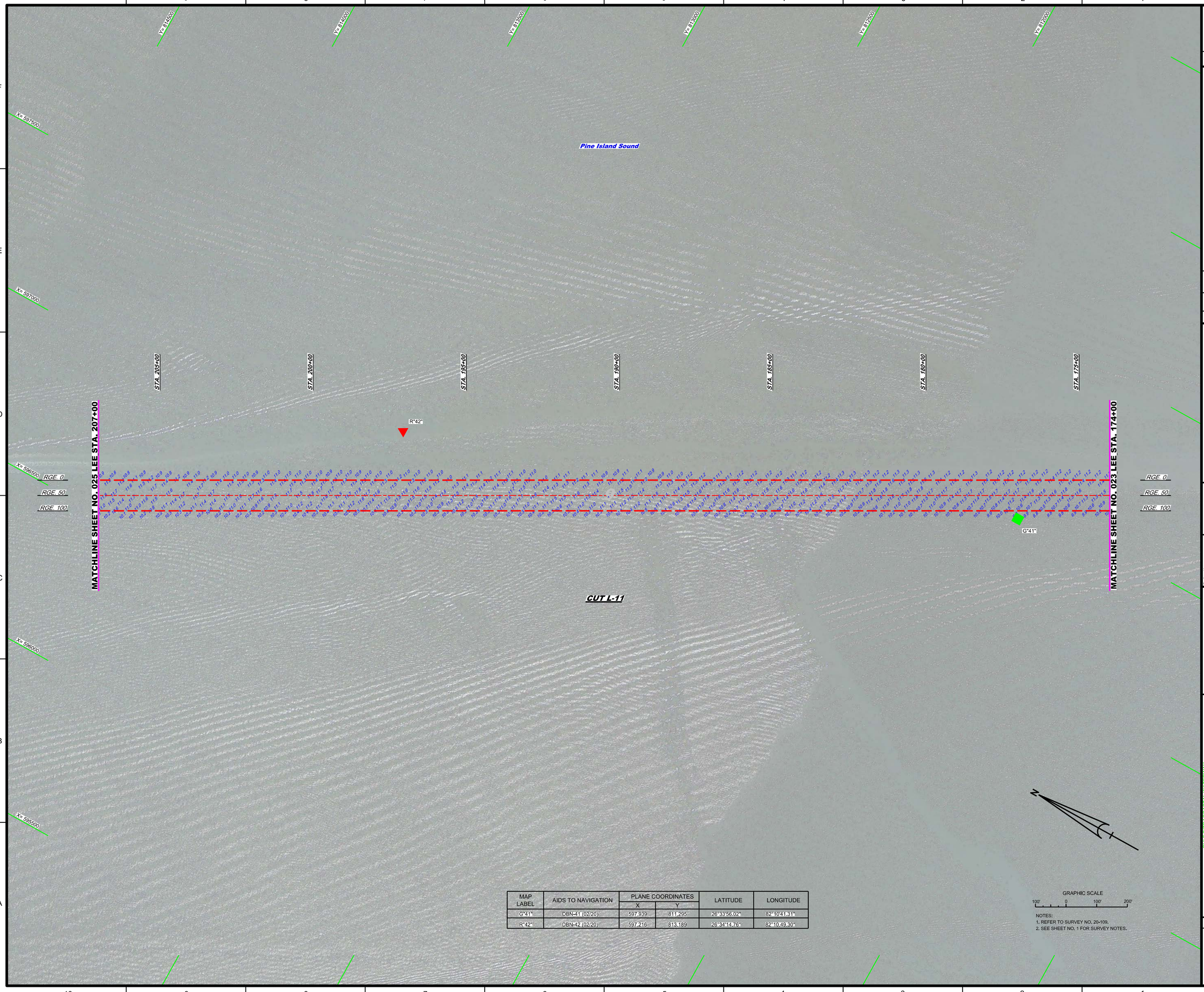
PLAN

Scale: AS SHOWN

Drawing no.

23

SHEET 23 OF 48



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"41"	DBN-41 (02/20)	597,939	811,295	26°33'56.02"	82°10'41.31"
R"42"	DBN-42 (02/20)	597,216	813,189	26°34'14.76"	82°10'49.30"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 20-109.
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

Chief by: CMR

Designed by: VIRM
DWN by: VIRM
Rev. No.
Date: FEB 2020

XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
20-109-XXXXXXXX.DGN
20-109-N-SOUN_L-11.DGN
GMWW-C-NGMCCF.DGN
20-109-C-ESHBRDR_LEE.DGN
Reference files:
20-109-VH-025_LEE.DGN
File name:

GULF INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
LEE COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY20
9-FOOT PROJECT

STA. 174+00 THRU STA. 207+00 CUT L-11

PLAN

Scale: AS SHOWN

Drawing no.

24

SHEET 24 OF 48