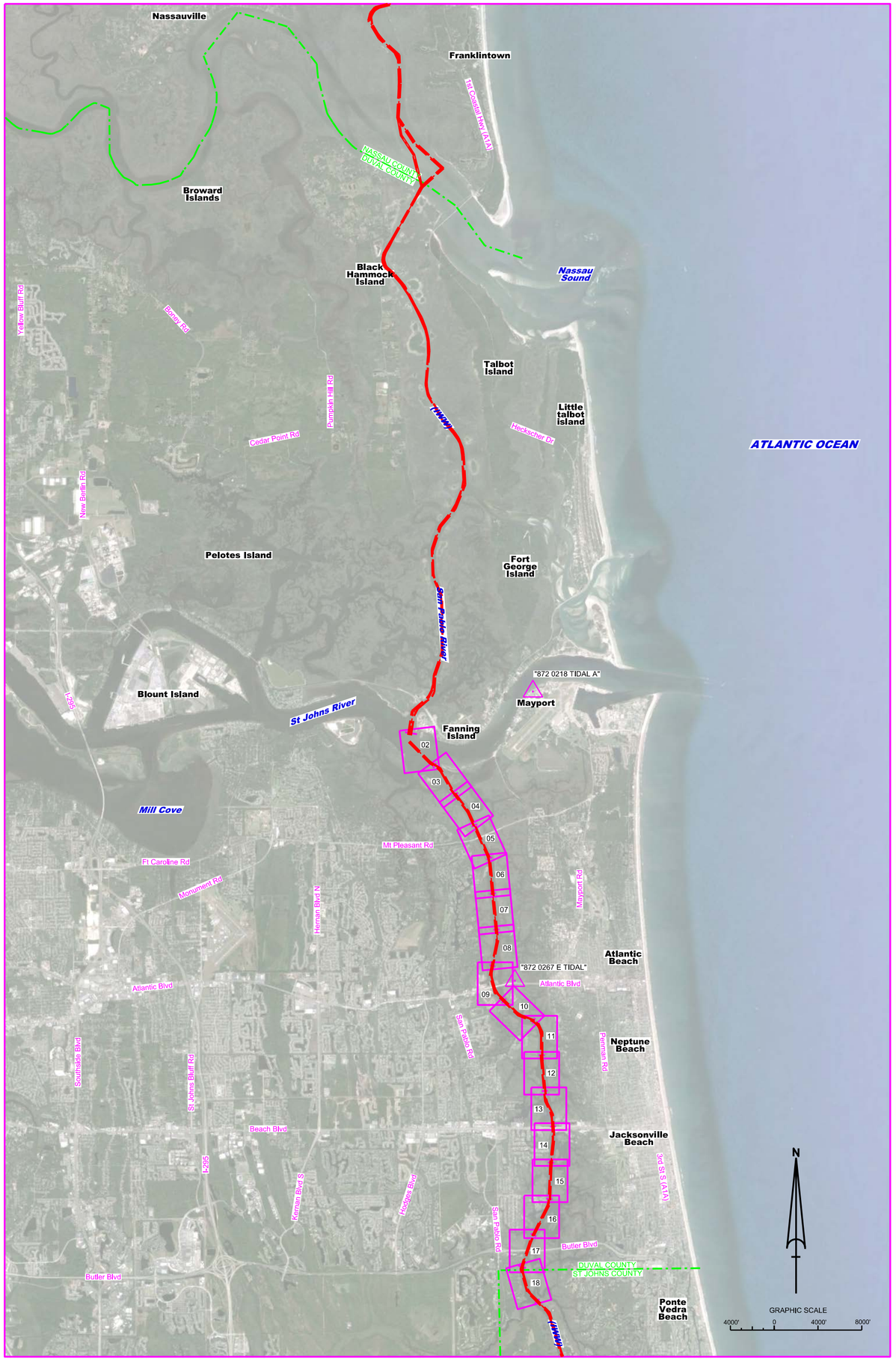
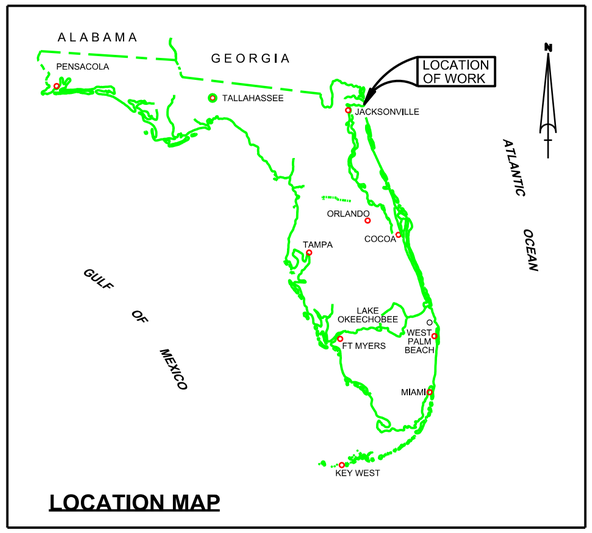




LOCATION MAP

IWW- JACKSONVILLE TO MIAMI, FL
DUVAL COUNTY
CUTS DU-1 THRU DU-19
HYDROGRAPHIC EXAM SURVEY FY21
12-FOOT PROJECT

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. 21-204.
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: "CAMDENGA-NASSAU-DUVAL-STJOHNS-FLAGLER_20191202.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 EAST 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 FLORIDA PERMANENT REFERENCE NETWORK (VRS) FOR REAL-TIME KINEMATIC (RTK) GPS POSITIONING.
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 BENCHMARK SITES SPECIFIED BELOW:

   NOAA TIDAL STATION "872-0267 E TIDAL" FOR CUTS DU-8 THRU DU-19. (NGS PID: DH9475)

   NOAA TIDAL STATION "872-0218 TIDAL A" FOR CUTS DU-1 THRU DU-7. (NGS PID: DI9221)

   VERTICAL MEASUREMENTS WERE MADE USING AN EDGETECH 6205 MULTI-PHASE ECHOSOUNDER AND A TELEDYNE ODOM ECHOTRAC E20. ALL SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.

VESSEL	DATE OF SURVEY	CUT
SB-48	25 AUG 2021	DU-1 THRU DU-7
SB-48	26 AUG 2021	DU-8 THRU DU-19

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

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

Designed by: WRM
DWN by: WRM
Ckd by: GMR
Proj. No. V912EP-XX-XXXX
Date: SEP 2021

X:\XXXXXXX-X-XXXX.DGN
XXXXXXX-X-XXXXX.DGN
XXXXXXX-X-XXXXX.DGN
XXXXXXX-X-XXXXX.DGN
21-204-A-INDEX_DU_IWW.DGN
IWW-C-CNGMCF.DGN
21-204-C-SB-SPGR_DU_IWW.DGN
Reference files:
21-204-I-Hr001_DU_IWW.DGN
File name:

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
DUVAL COUNTY

HYDROGRAPHIC EXAMINATION SURVEY FY21
10 AND 12-FOOT PROJECT

INDEX, LOCATION AND VICINITY

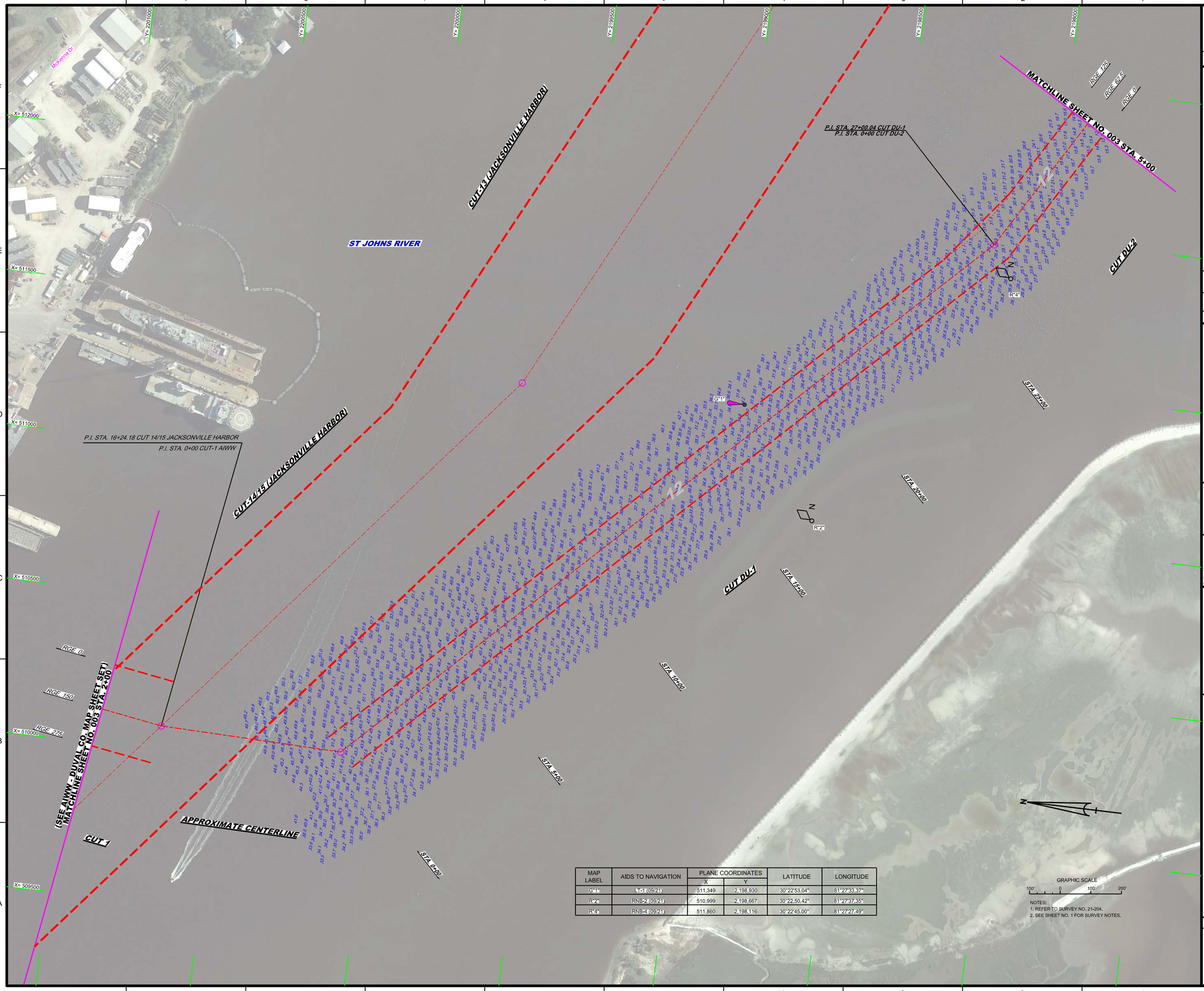
MAP

Scale: AS SHOWN

Drawing no.

1

SHEET 01 OF 18



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"1"	LT-1 (09/21)	511,349	2,198,930	30°22'53.04"	81°27'33.37"
R"2"	RNB-2 (09/21)	510,999	2,198,667	30°22'50.42"	81°27'37.35"
R"4"	RNB-4 (09/21)	511,860	2,198,116	30°22'45.00"	81°27'27.49"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 21-204.
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. V01ZEF>XX-X-XXXX
Date: SEP 2021

X:\XXXXXXX-X-XXXXX.DGN
XXXXXXXX-X-XXXXXXX.DGN
XX-XXXX-X-XXXX.DGN
21-204-A-MAV.DGN
21-204-A-SOUN_IWW_DU1.DGN
21-204-A-SOUN_IWW_DU2.DGN
IWW-CANGMCCF.DGN
21-204-H-SB-BNDR_DU_IWW.DGN
Reference files:
21-204-VH-002_DU_IWW.DGN
File name:

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
DUVAL COUNTY

HYDROGRAPHIC EXAMINATION SURVEY FY21
10 AND 12-FOOT PROJECT

STA. 2+00 CUT-1 AIWW THRU STA. 5+00 CUT DU-2

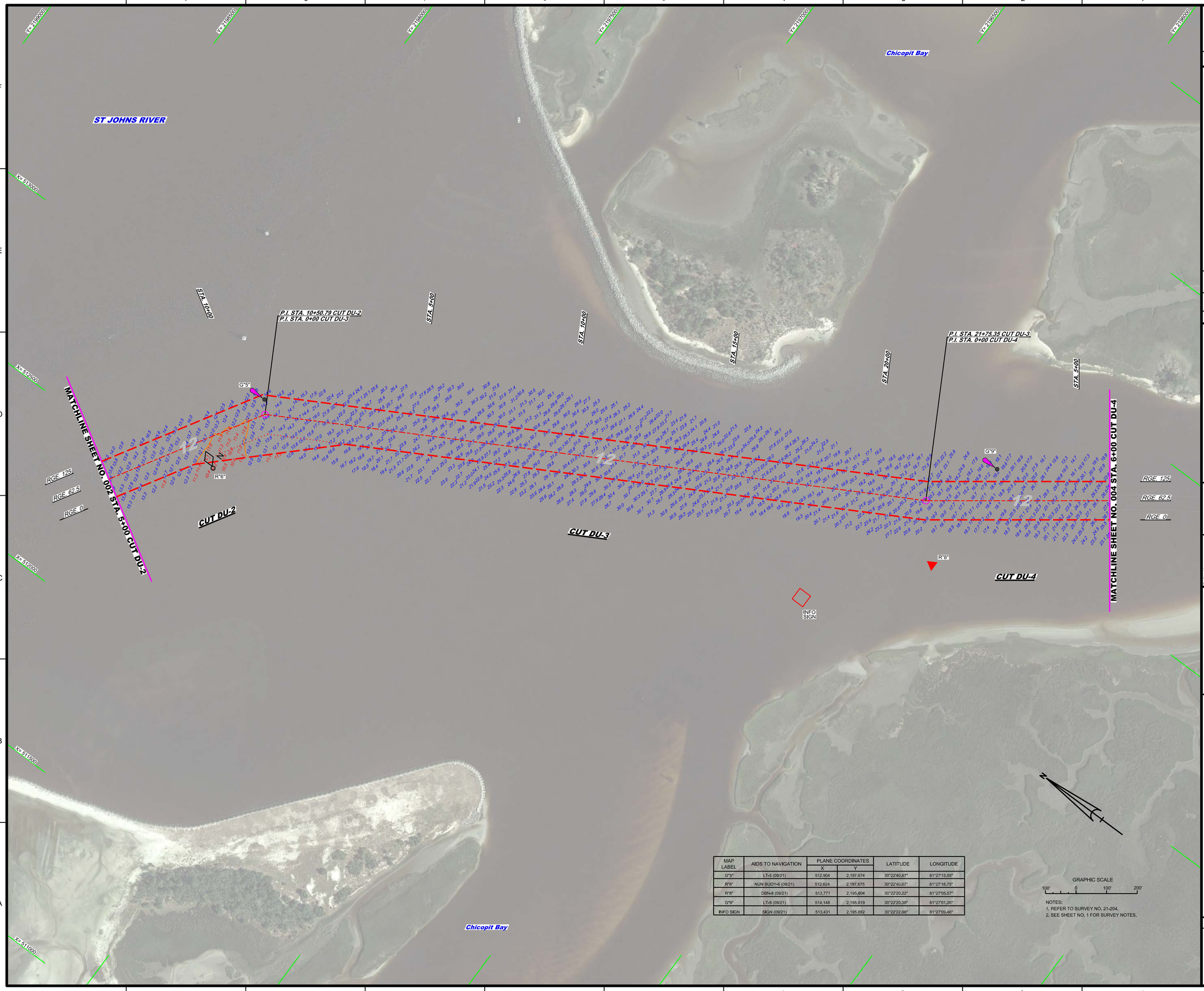
PLAN

Scale: AS SHOWN

Drawing no.

2

SHEET 02 OF 18



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"5"	LT-5 (09/21)	512,904	2,197,674	30°22'40.67"	81°27'15.55"
R"6"	NUN BUOY-6 (09/21)	512,624	2,197,675	30°22'40.67"	81°27'18.75"
R"8"	DBN-8 (09/21)	513,771	2,195,604	30°22'20.22"	81°27'05.57"
G"9"	LT-9 (09/21)	514,148	2,195,619	30°22'20.38"	81°27'01.26"
INFO SIGN	SIGN (09/21)	513,431	2,195,882	30°22'22.96"	81°27'09.46"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 21-204.
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

Chkd by: GMR
Designed by: WRM
DWN by: WRM
Proj. No. V912EP-XX-XX-XX
Date: SEP 2021

X:\XXXXXXXX-XX-XX\DGNS
21-204-A-CONC_NWW_DU.DGN
21-204-A-CONC_NWW_DU.DGN
21-204-HAV_NWW_DU.DGN
21-204-A-SOUN_NWW_DU2.DGN
21-204-A-SOUN_NWW_DU3.DGN
21-204-A-SOUN_NWW_DU4.DGN
NWW-CONGMCF.DGN
21-204-CB-BRDR_DU_NWW.DGN
Reference files
21-204-HH-003_DU_NWW.DGN
File name:

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
DUVAL COUNTY

HYDROGRAPHIC EXAMINATION SURVEY FY21
10 AND 12-FOOT PROJECT

STA. 5+00 CUT DU-2 THRU STA. 6+00 CUT DU-4

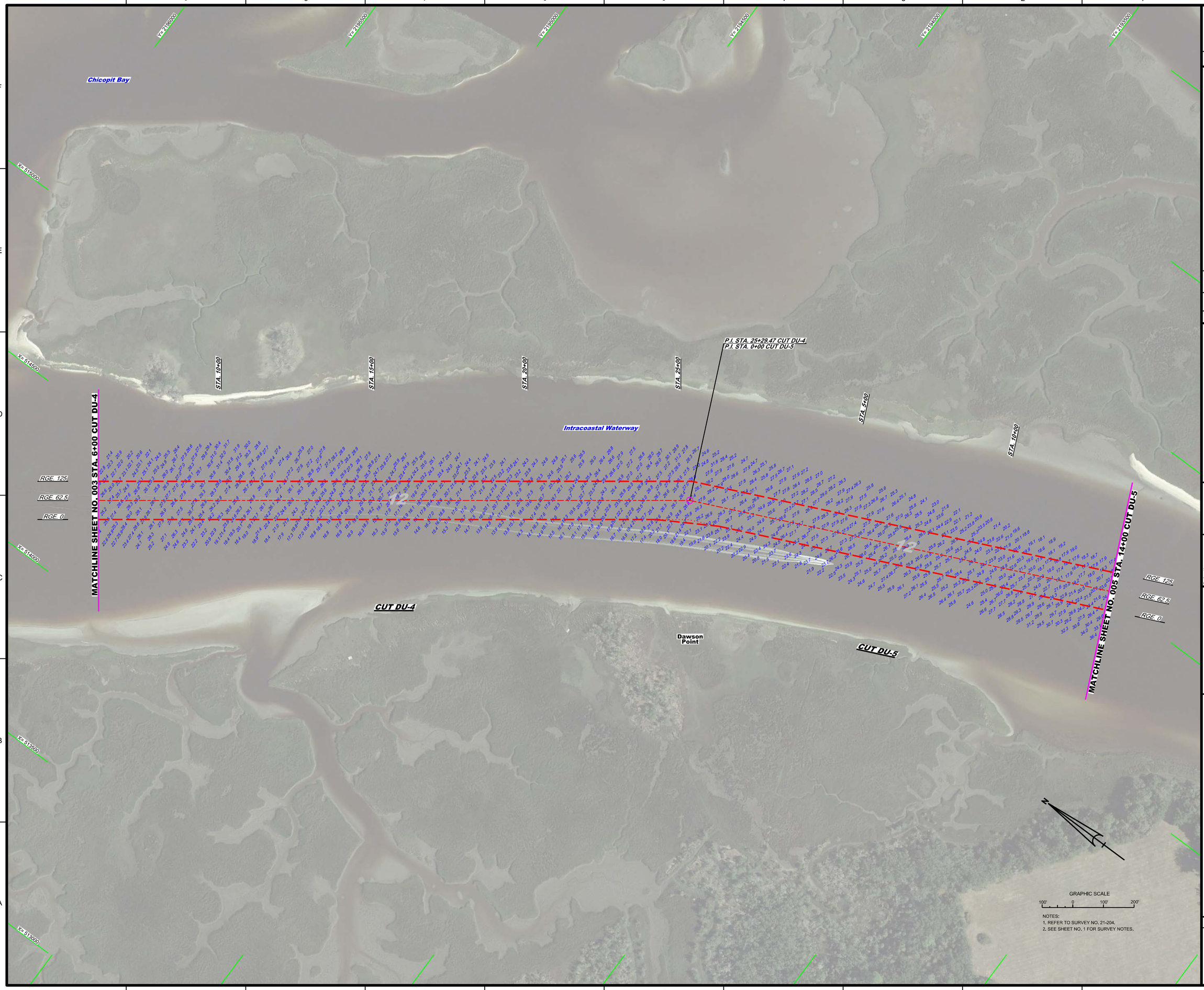
PLAN

Scale: AS SHOWN

Drawing no.

3

SHEET 03 OF 18



NOTES:
1. REFER TO SURVEY NO. 21-204.
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

Chkd by: GMR
Designed by: WRM
DWN by: WRM
Proj. No. V912EP-XX-XX-XXXX
Date: SEP 2021

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
21-204-A-SOUN_NW_DU_DUL.DGN
NW-CC-CNGMCF.DGN
21-204-C-BR-BRDR_DU_NW.DGN
Reference files
21-204-HH-004_DU_NW.DGN
File name:

INTRACOASTAL WATERWAY
JACKSONVILLE TO NAVAL STORES
DUVAL COUNTY, FLORIDA

HYDROGRAPHIC EXAMINATION SURVEY FY21
10 AND 12-FOOT PROJECT

STA. 6+00 CUT DU-4 THRU STA. 14+00 CUT DU-5

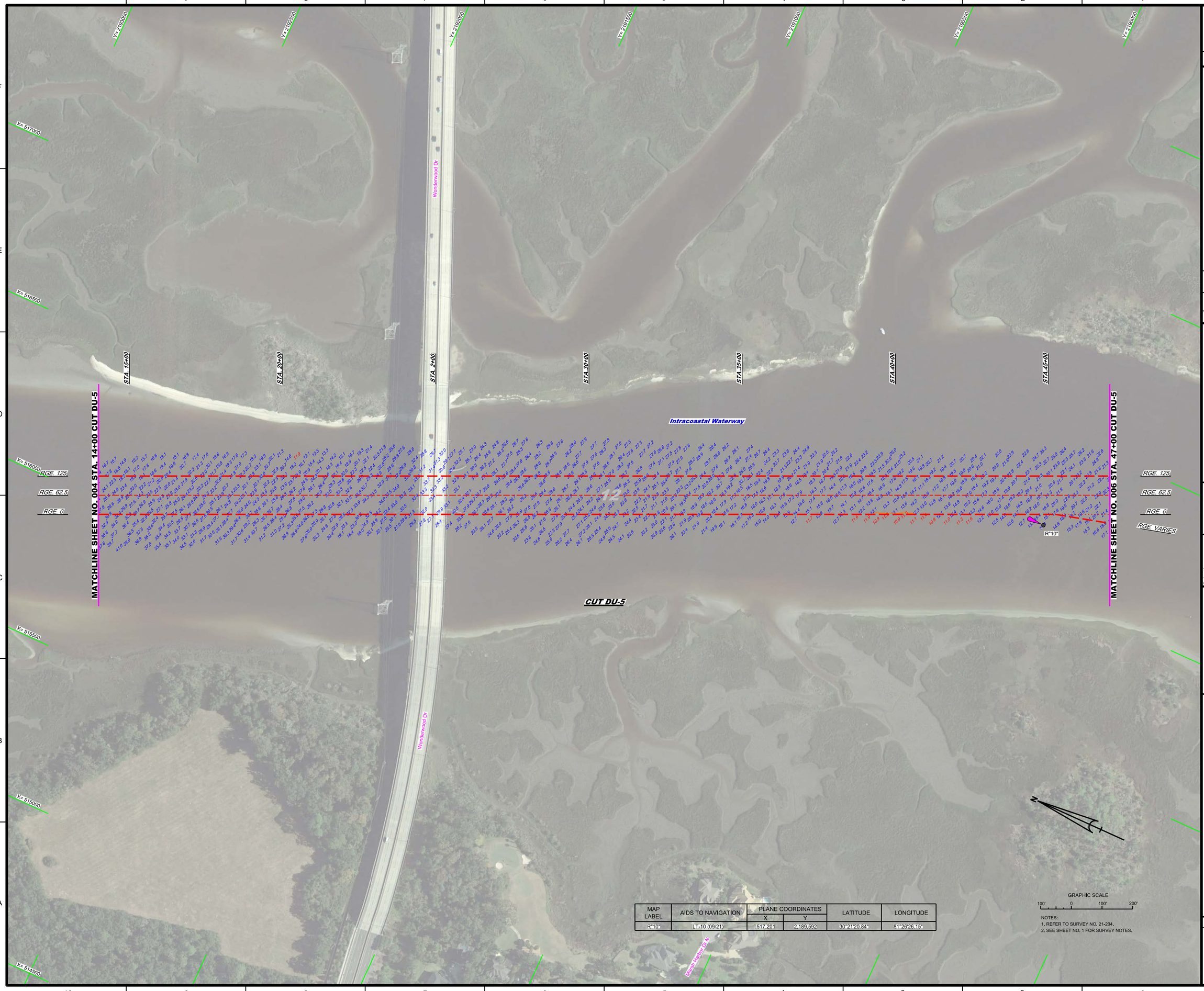
PLAN

Scale: AS SHOWN

Drawing no.

4

SHEET 04 OF 18



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"10"	LT-10 (09/21)	517,201	2,189,592	30°21'20.84"	81°26'26.15"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 21-204.
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. V01FSF>XX>X>XXXX
Date: SEP 2021

XX>XX>XX>XX>XX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
21-204-V-NAV_IWW_DU.DGN
21-204-V-CONT_IWW_DU.DGN
21-204-V-SOUN_IWW_DU.DGN
IWW-C-NGMCCF.DGN
21-204-D-ESHBRDR_DU_IWW.DGN
Reference files:
21-204-VH-005_DU_IWW.DGN
File name:

INTRACOASTAL WATERWAY
JACKSONVILLE TO MAYPORT, FLORIDA
DUVAL COUNTY

HYDROGRAPHIC EXAMINATION SURVEY FY21
10 AND 12-FOOT PROJECT

STA. 14+00 THRU STA. 47+00 CUT DU-5

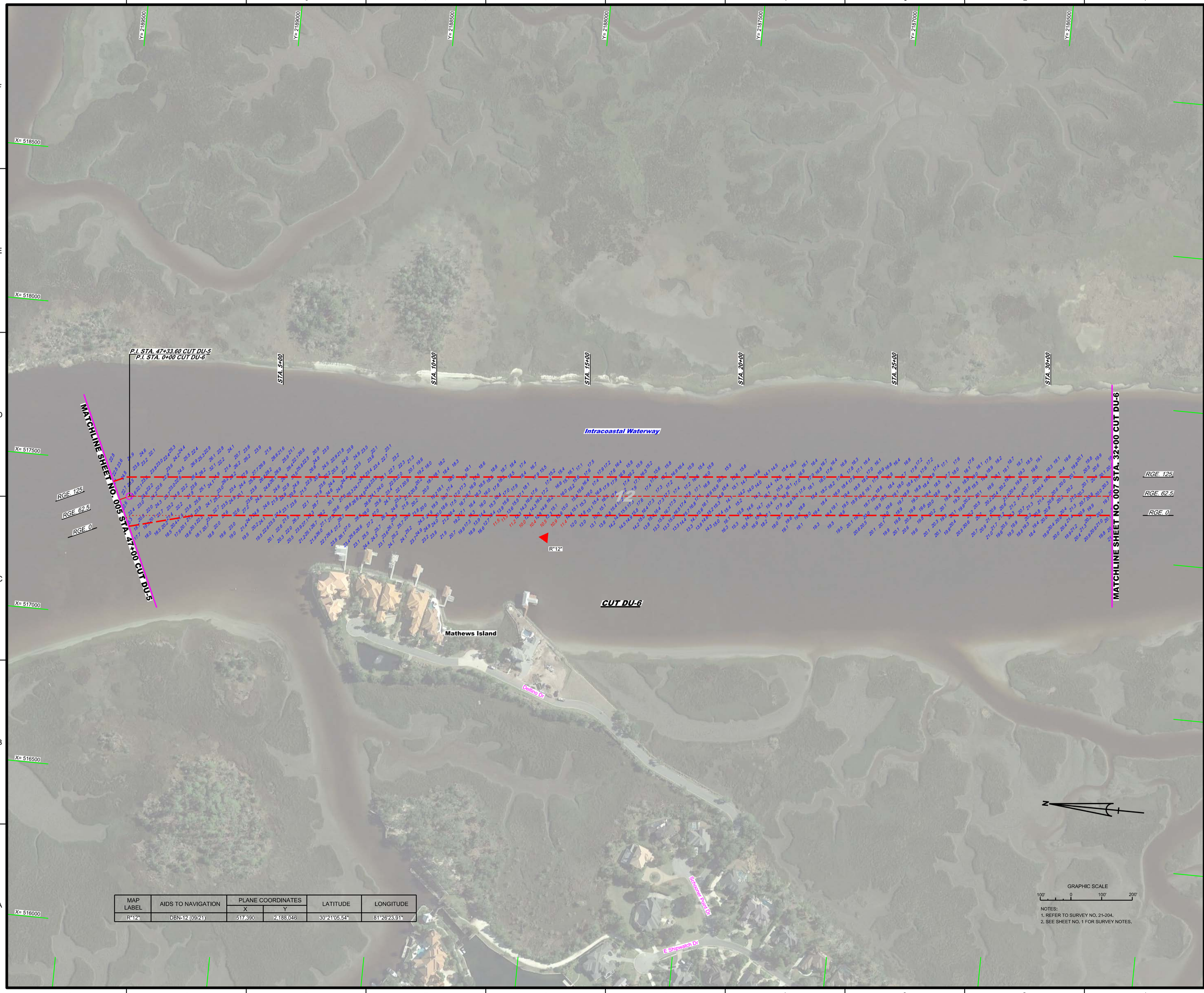
PLAN

Scale: AS SHOWN

Drawing no.

5

SHEET 05 OF 18



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"12"	DBN-12 (09/21)	517,390	2,188,046	30°21'05.54"	81°26'23.91"

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. W912EP-XX-X-XXXX
Date: SEP 2021

X:\XXXXXXX-X-XXXXX.DGN
X:\XXXXXXX-X-XXXXX.DGN
X:\XXXXXXX-X-XXXXX.DGN
21-204-U-NAV_IWW_DU.DGN
21-204-U-NAV_IWW_DU.DGN
21-204-U-SOUN_IWW_DU.DGN
IWW-CKNGNCCF.DGN
21-204-HS-BRDR_DU_IWW.DGN
Reference files:
21-204-VH-006_DU_IWW.DGN
File name:

INTRACOASTAL WATERWAY
JACKSONVILLE TO NAVY, FLORIDA
DUVAL COUNTY

HYDROGRAPHIC EXAMINATION SURVEY FY21
10 AND 12-FOOT PROJECT

STA. 47+00 CUT DU-5 THRU STA. 32+00 CUT DU-6

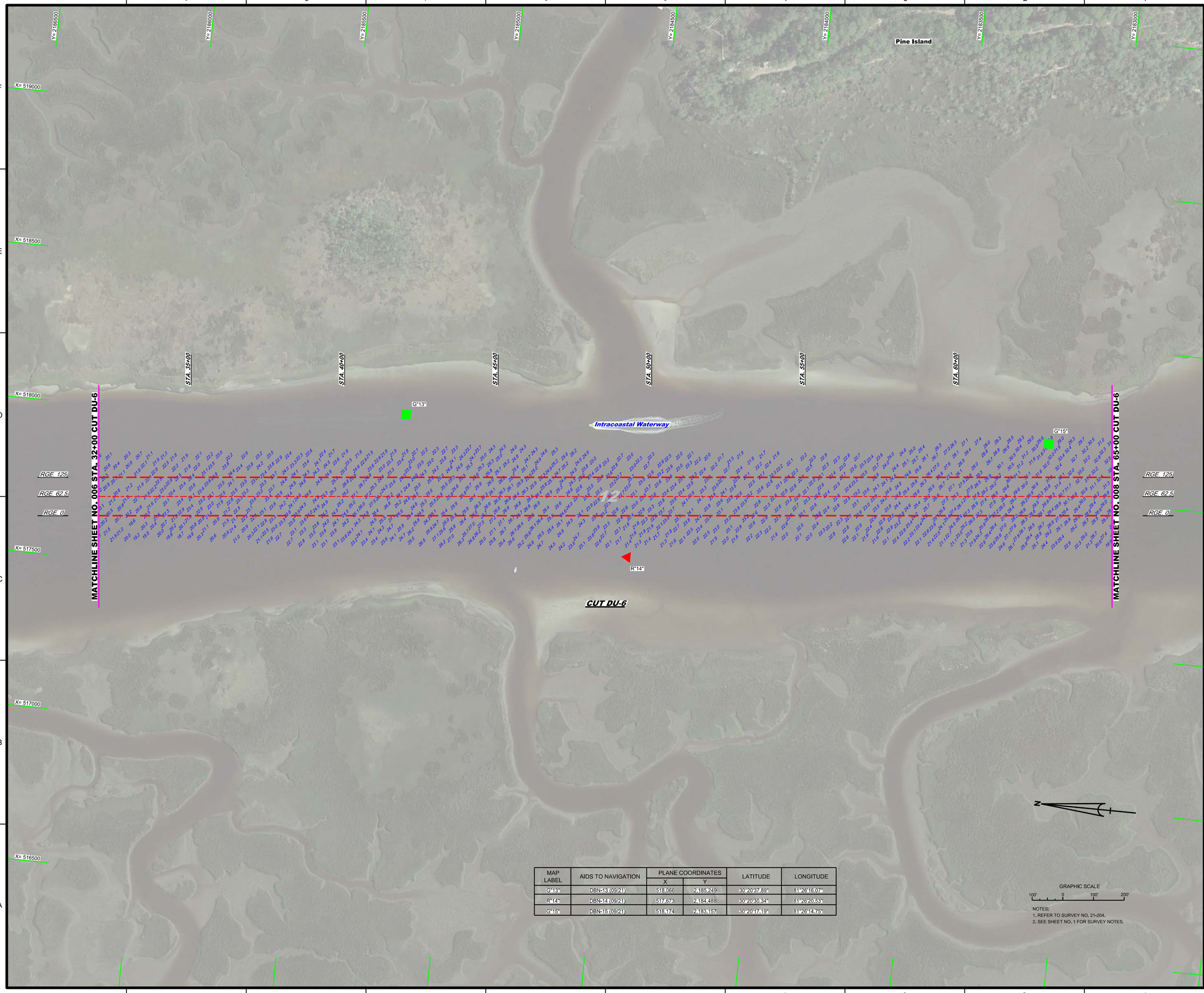
PLAN

Scale: AS SHOWN

Drawing no.

6

SHEET 06 OF 18



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"13"	DBN-13 (09/21)	518,066	2,185,249	30°20'37.89"	81°26'16.07"
R"14"	DBN-14 (09/21)	517,673	2,184,488	30°20'30.34"	81°26'20.53"
G"15"	DBN-15 (09/21)	518,174	2,183,157	30°20'17.19"	81°26'14.75"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 21-204.
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. V1912SE=XXX=XXXX
Date: SEP 2021

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
21-204=N-SOUN_IWW_DU6.DGN
IWW=C=NGMCCF.DGN
21-204=D=BS=BDR_DU_IWW.DGN
Reference files:
21-204=VH=097_DU_IWW.DGN
File name:

INTRACOASTAL WATERWAY
JACKSONVILLE TO NAVY, FLORIDA
DUVAL COUNTY

HYDROGRAPHIC EXAMINATION SURVEY FY21
10 AND 12-FOOT PROJECT

STA. 32+60 THRU STA. 65+00 CUT DU-6

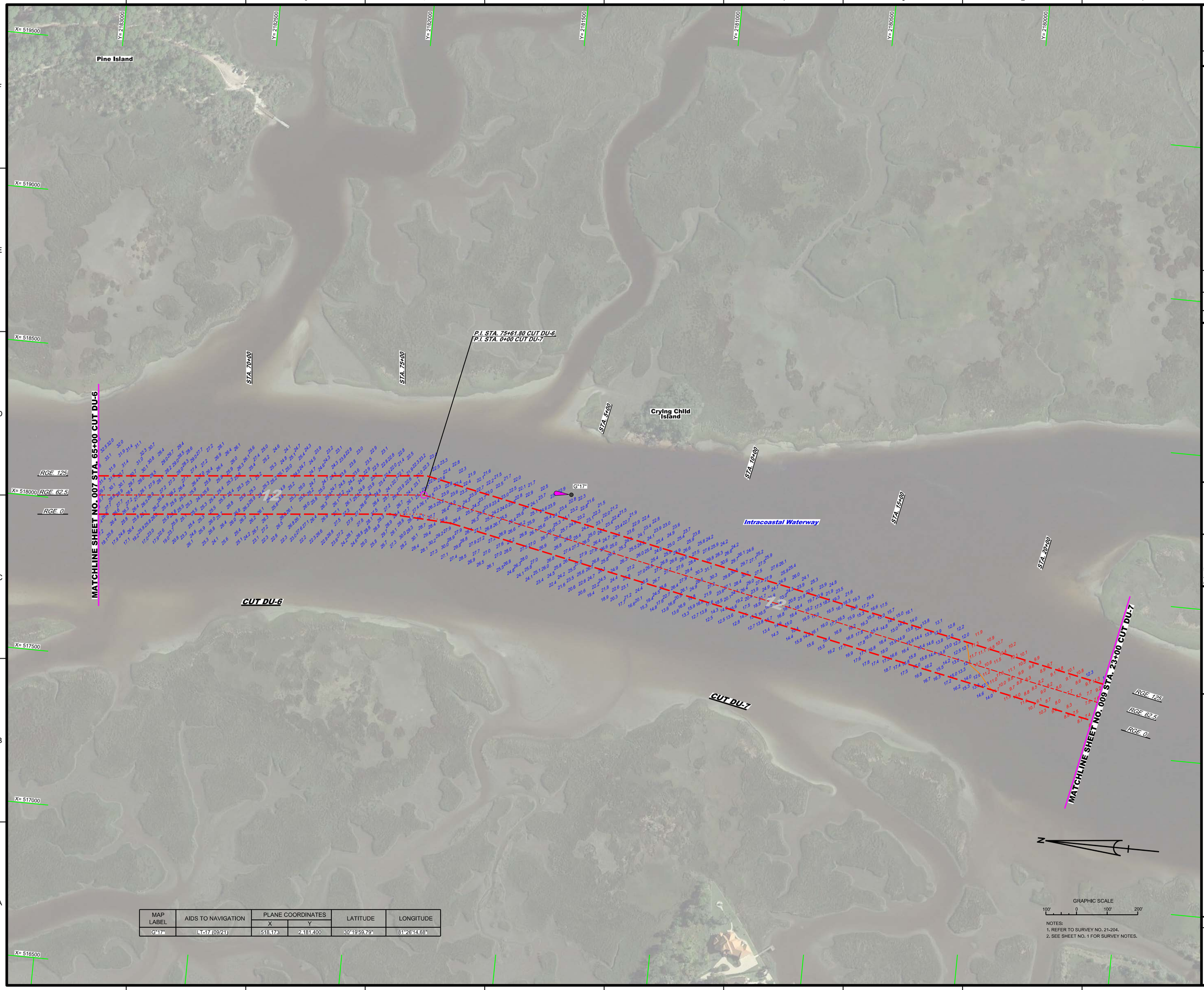
PLAN

Scale: AS SHOWN

Drawing no.

7

SHEET 07 OF 18



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"17"	LT-17 (09/21)	518,173	2,181,400	30°19'59.79"	81°26'14.68"

NOTES:
1. REFER TO SURVEY NO. 21-204.
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. V912EP-XX-XX-XXXX
Date: SEP 2021

XXXXXXXX-X-XXXX.DGN
XXXXXXXX-X-XXXX-XX.DGN
21-204-H-CONT_IWW_DU.DGN
21-204-H-NAV_IWW_DU.DGN
21-204-A-CON12_IWW_DU.DGN
21-204-A-NAV12_IWW_DU.DGN
21-204-A-SOUN_IWW_DUT.DGN
IWW-C-CNGMCF.DGN
21-204-C-BR-BRDR_DU_IWW.DGN
Reference files
21-204-H-H08_DU_IWW.DGN
File name:

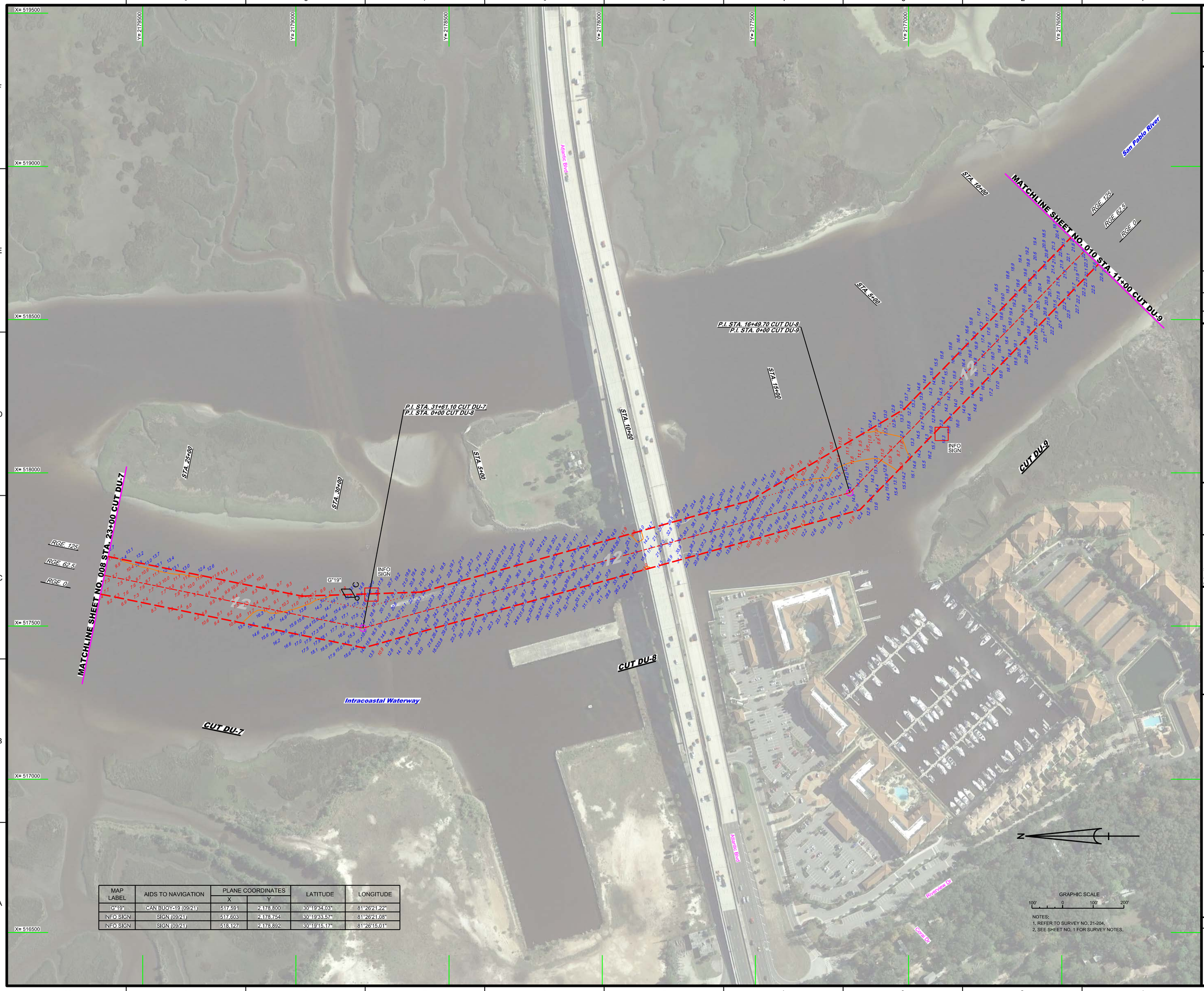
INTRACOASTAL WATERWAY
JACKSONVILLE TO MAYPORT, FLORIDA
DUVAL COUNTY

HYDROGRAPHIC EXAMINATION SURVEY FY21
10 AND 12-FOOT PROJECT
STA. 65+00 CUT DU-6 THRU STA. 23+00 CUT DU-7
PLAN

Scale: AS SHOWN

Drawing no.
8

SHEET 08 OF 18



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"19"	CAN BUOY-19 (09/21)	517,591	2,178,800	30°19'34.03"	81°26'21.22"
INFO SIGN	SIGN (09/21)	517,603	2,178,754	30°19'33.57"	81°26'21.08"
INFO SIGN	SIGN (09/21)	518,127	2,178,892	30°19'15.17"	81°26'15.01"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 21-204.
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. V9123EP-XX-X-VXXX
Date: SEP 2021

X:\XXXX-XX-X-XXX-XXX\
21-204-A-XXXX_MWW_DU.DGN
21-204-A-XXXX_MWW_DU_ELEV.DGN
21-204-V-CONT2_MWW_DU.DGN
21-204-V-SOUN_IWW_DUP.DGN
21-204-V-SOUN_IWW_DUD.DGN
21-204-V-SOUN_IWW_DU.DGN
IWW-CANGMCCF.DGN
21-204-P-ESHDR_DU_IWW.DGN
Reference files:
21-204-VH-009_DU_IWW.DGN
File name:

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
DUVAL COUNTY

HYDROGRAPHIC EXAMINATION SURVEY FY21
10 AND 12-FOOT PROJECT

STA. 23+00 CUT DU-7 THRU STA. 11+00 CUT DU-9

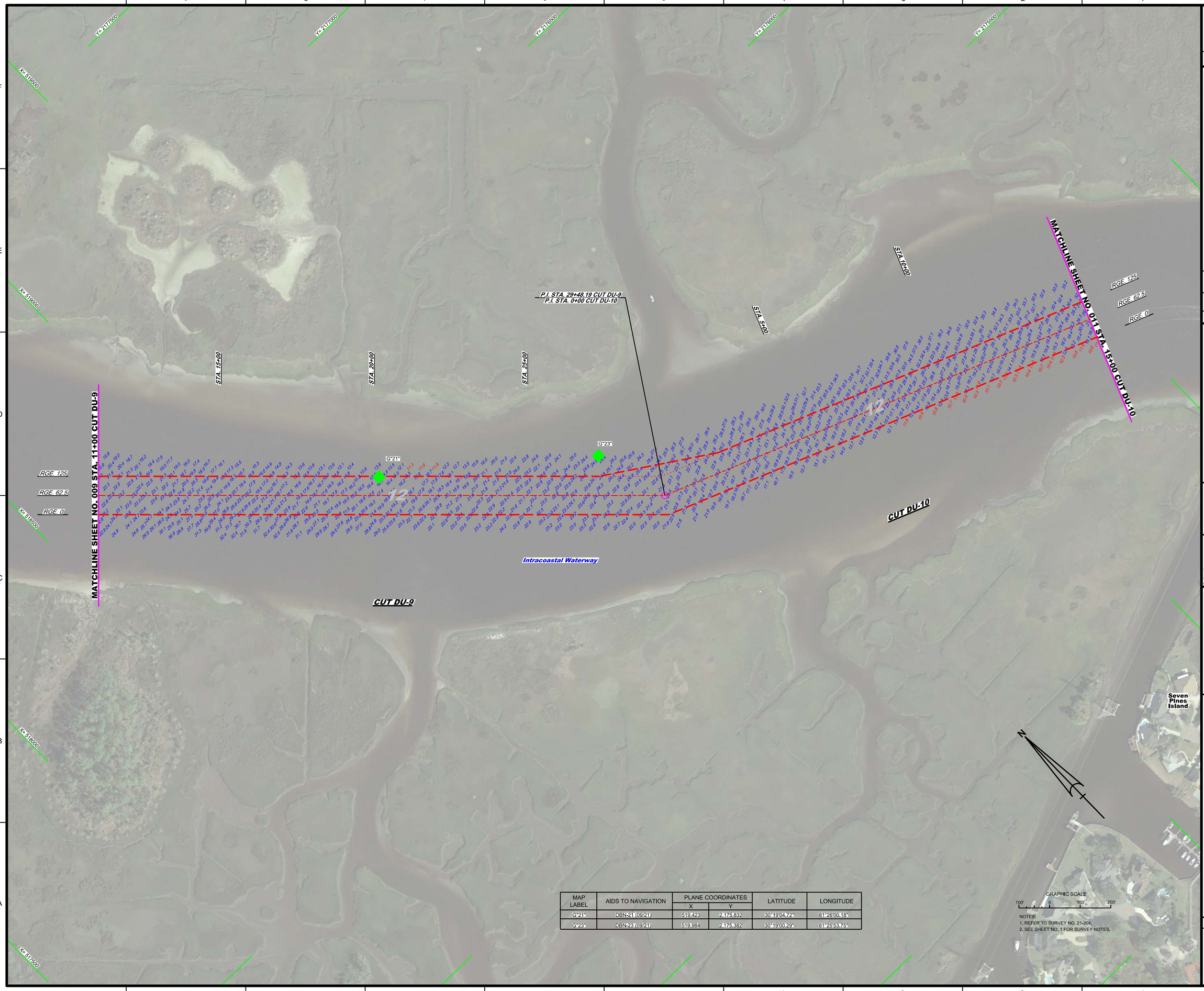
PLAN

Scale: AS SHOWN

Drawing no.

9

SHEET 09 OF 18



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"21"	DBN-21 (09/21)	519,423	2,175,832	30°19'04.72"	81°26'00.18"
G"23"	DBN-23 (09/21)	519,984	2,175,382	30°19'00.29"	81°25'53.75"

NOTES:
1. REFER TO SURVEY NO. 21-204.
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. V9123EP-XX-X-XXXX
Date: SEP 2021

Reference files:
V:\XXXXXXX-X-XXXXX.DGN
XXXXXXXXX-X-XXXXXX.DGN
XXXXXXXXX-X-XXXXXX.DGN
21-204-U-NAV_IWW_DU.DGN
21-204-U-SOUN_IWW_DU.DGN
21-204-U-SOUN_IWW_DU1U.DGN
IWW-CANGMCCF.DGN
21-204-P-BS-BRDR_DU_IWW.DGN

File name: 21-204-VH-010_DU_IWW.DGN

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
DUVAL COUNTY

HYDROGRAPHIC EXAMINATION SURVEY FY21
10 AND 12-FOOT PROJECT

STA. 11+00 CUT DU-9 THRU STA. 15+00 CUT DU-10

PLAN

Scale: AS SHOWN

Drawing no.

10

SHEET 10 OF 18

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"25"	DBN-25 (09/21)	521,651	2,174,721	30°18'53.82"	81°25'34.71"
G"27"	LT-27 (09/21)	522,350	2,173,528	30°18'39.71"	81°25'30.27"
R"28"	DBN-28 (09/21)	522,035	2,173,295	30°18'39.71"	81°25'30.27"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 21-204.
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: GMR
Designed by: WRM
DWN by: WRM
Prj. No. V91/2EP-XX-X-XXXX
Date: SEP 2021

Reference files:
X-X-XXXX-X-X-XXXX.DGN
2-XXX-AA-NAV_IWW_DU.DGN
21-204-VCONTC_IWW_DU.DGN
21-204-VCONTC_IWW_DU.DGN
21-204-SOUN_IWW_DU10.DGN
21-204-SOUN_IWW_DU11.DGN
21-204-SOUN_IWW_DU12.DGN
IWW-C-NGMCCF.DGN
2-21204-CABS-BRGR_DU_IWW.DGN

File name: 21-204-VH-011_DU_IWW.DGN

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
DUVAL COUNTY

HYDROGRAPHIC EXAMINATION SURVEY FY21
10 AND 12-FOOT PROJECT

STA. 15+00 CUT DU-10 THRU STA. 21+00 CUT DU-12

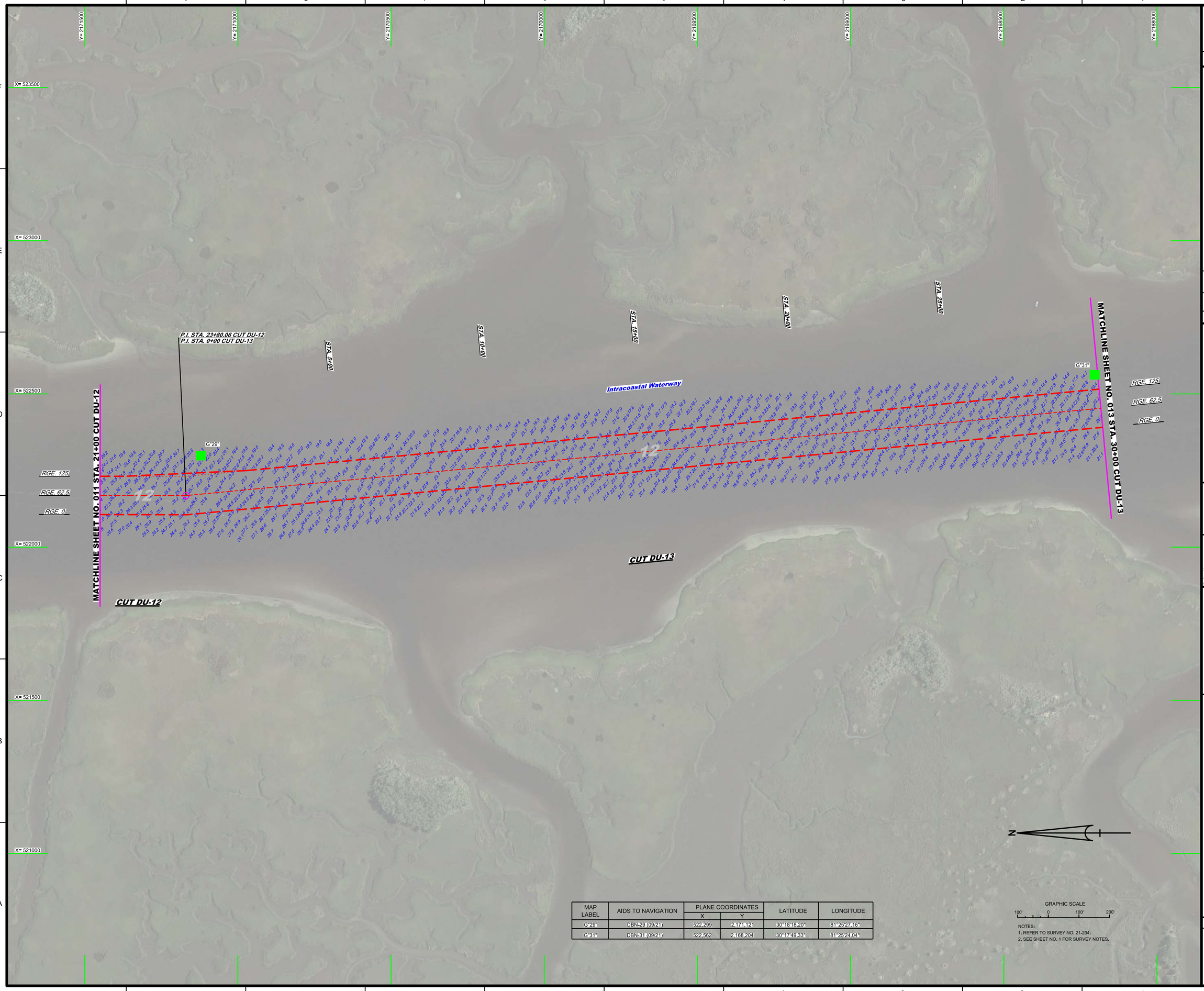
PLAN

Scale: AS SHOWN

Drawing no.

11

SHEET 11 OF 18



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"29"	DBN-29 (09/21)	522,299	2,171,121	30°18'18.20"	81°25'27.16"
G"31"	DBN-31 (09/21)	522,562	2,168,204	30°17'49.33"	81°25'24.04"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 21-204.
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: GMR
Designed by: VIRM
DWN by: VIRM
Rev. No. V1912SE>XXX>XXXX
Date: SEP 2021

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
21-204-A-NAV_IWW_DU.DGN
21-204-A-SOUN_IWW_DU.DGN
21-204-A-SOUN_IWW_DU15.DGN
IWW-C-NGMCCF.DGN
2-21-204-C-BS-BRDR_DU_IWW.DGN
Reference files:
21-204-VH012_DU_IWW.DGN
File name:

INTRACOASTAL WATERWAY
JACKSONVILLE TO NAVY, FLORIDA
DUVAL COUNTY

HYDROGRAPHIC EXAMINATION SURVEY FY21
10 AND 12-FOOT PROJECT

STA. 21+00 CUT DU-12 THRU STA. 30+00 CUT DU-13

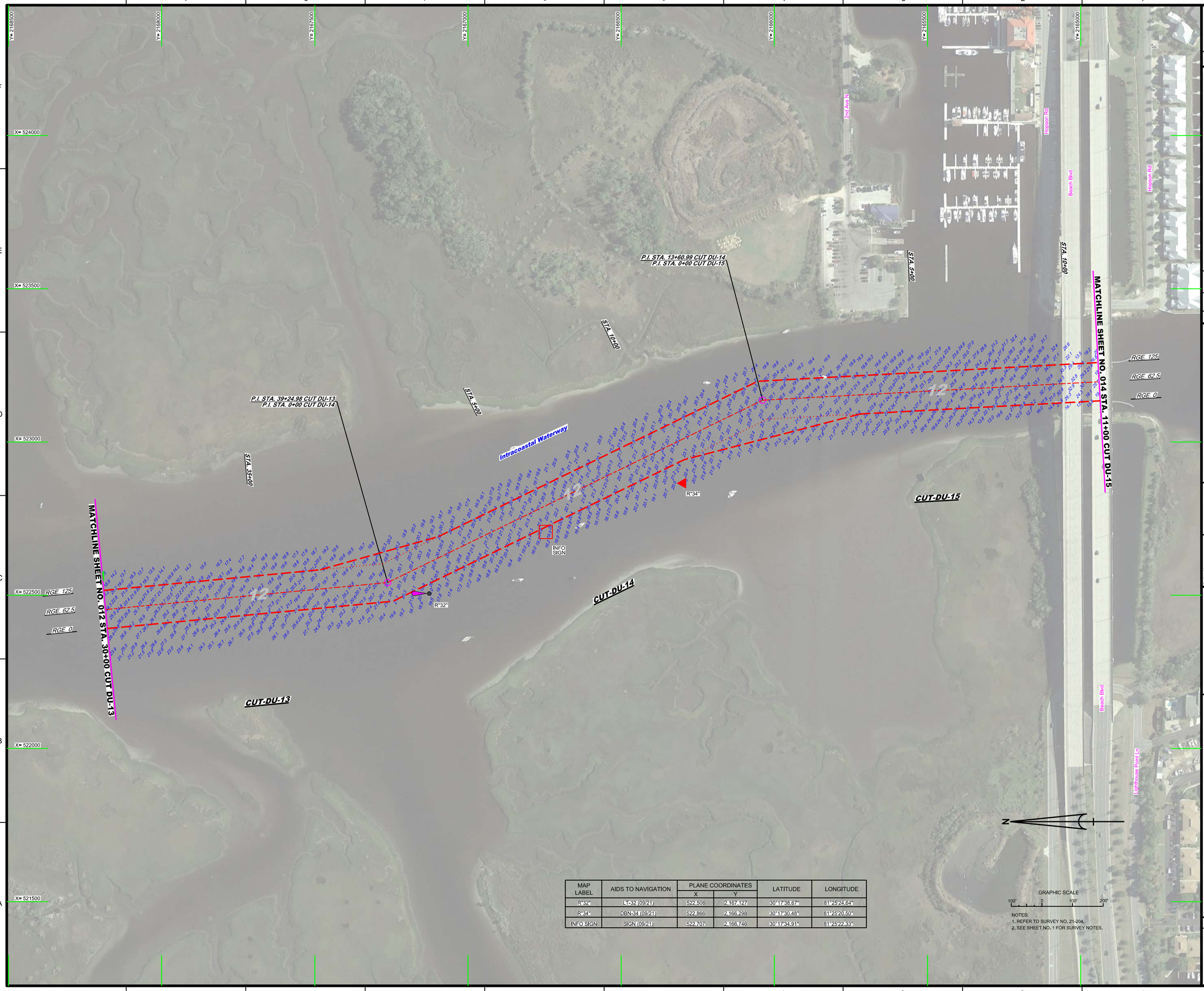
PLAN

Scale: AS SHOWN

Drawing no.

12

SHEET 12 OF 18



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"32"	LT-32 (09/21)	522,506	2,167,127	30°17'38.67"	81°25'24.64"
R"34"	DBN-34 (09/21)	522,866	2,166,298	30°17'30.48"	81°25'20.50"
INFO SIGN	SIGN (09/21)	522,707	2,166,746	30°17'34.91"	81°25'22.33"

NOTES:
1. REFER TO SURVEY NO. 21-204.
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
Rev. No.: V9123EP-XX-X-XXXX
Date: SEP 2021

X:\XX-XX-X-XXXX-XXX.DGN
XXXXXXXXXXXXXXXXXXXX.DGN
21-204-V-NAV_IWW-DU-13.DGN
21-204-V-NAV_IWW-DU12.DGN
21-204-V-SOUN_IWW_DU13.DGN
21-204-V-SOUN_IWW_DU14.DGN
21-204-V-SOUN_IWW_DU15.DGN
IWW-CANGMCCF.DGN
21-204-H-SB-BKDR_DU_IWW.DGN
Reference files:
21-204-V-H-013_DU_IWW.DGN
File name:

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
DUVAL COUNTY

HYDROGRAPHIC EXAMINATION SURVEY FY21
10 AND 12-FOOT PROJECT

STA. 30+00 CUT DU-13 THRU STA. 11+00 CUT DU-15

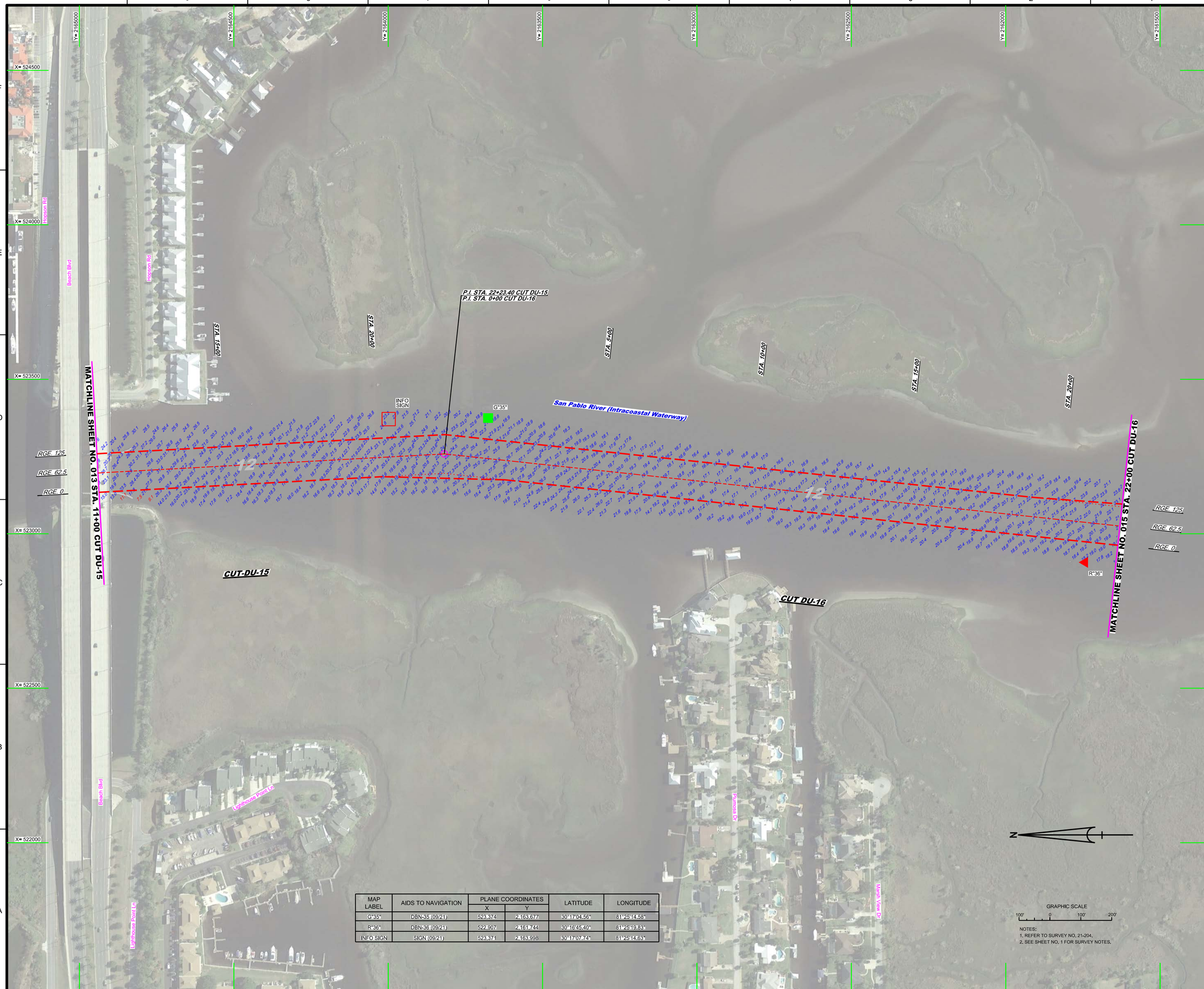
PLAN

Scale: AS SHOWN

Drawing no.

13

SHEET 13 OF 18



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"35"	DBN-35 (09/21)	523,374	2,163,677	30°17'04.56"	81°25'14.58"
R"36"	DBN-36 (09/21)	522,907	2,161,744	30°16'45.40"	81°25'19.83"
INFO SIGN	SIGN (09/21)	523,371	2,163,998	30°17'07.74"	81°25'14.63"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 21-204.
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: GMR
Designed by: VRM
DWN by: VRM
Inv. No. W912EP-XX-X-XXX
Date: SEP-2021

XX-XXX-XX-XXXX.DGN
XXXXXXXX-XX-XXXX.DGN
XXXXXXXX-XX-XXXX.DGN
XXXXXXXX-XX-XXXX.DGN
21-204-A-AAU_IWW_DU.DGN
21-204-A-DUN_IWW_DU.DGN
21-204-A-SQUN_IWW_DU.DGN
21-204-A-SQUN_IWW_DU1SUB.DGN
IWW-C-NGMCCF.DGN
21-204-C-BSBRDR_DU_IWW.DGN
Reference files:
21-204-VH-014_DU_IWW.DGN
Zip across

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
DUVAL COUNTY

HYDROGRAPHIC EXAMINATION SURVEY FY21
10 AND 12-FOOT PROJECT

STA. 11+00 CUT DU-15 THRU STA. 22+00 CUT DU-16

PLAN

Scale: AS SHOWN

Drawing no.

14

SHEET 14 OF 18

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"37"	DBN-37 (09/21)	523,128	2,160,150	30°16'29.64"	81°25'17.24"
R"38"	DBN-38 (09/21)	522,758	2,158,764	30°16'15.91"	81°25'21.40"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 21-204.
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: GMR
Inv. No. W912EP-XX-C-XXXX
Dates: SEP 2021

XXXXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXXXX.DGN
21-204-A-NAV_IWW_DU.DGN
21-204-A-SOUN_IWW_DUT.DGN
21-204-A-SOUN_IWW_DUT.DGN
IWW-C-NGMCF.DGN
21-204-C-BS-BRDR_DU_IWW.DGN
Reference files:
21-204-H-015_DU_IWW.DGN
File name:

INTRACOASTAL WATERWAY
JACKSONVILLE TO MAYPORT, FLORIDA
DUVAL COUNTY

HYDROGRAPHIC EXAMINATION SURVEY FY21
10 AND 12-FOOT PROJECT

STA. 22+00 CUT DU-16 THRU STA. 33+00 CUT DU-17

PLAN

Scale: AS SHOWN

Drawing no.

15

SHEET 15 OF 18

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"39"	LT-39 (09/21)	522,947	2,157,859	30°16'06.95"	81°25'19.21"
R"40"	DBN-40 (09/21)	522,487	2,157,375	30°16'02.14"	81°25'24.44"
G"41"	DBN-41 (09/21)	522,204	2,156,325	30°15'51.74"	81°25'27.62"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 21-204.
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. V912EP-XX-XX-XXXX
Date: SEP 2021

XXXXXXXX-XX-XXXX.DGN
XXXXXXXX-XX-XXXXX.DGN
21-204-H-CON12_IWW_DU.DGN
21-204-H-MAV_IWW_DU17.DGN
21-204-H-SOUN_IWW_DU18.DGN
IWW-C-CNGMCF.DGN
21-204-H-BR-BRDR_DU_IWW.DGN
Reference files

21-204-H-H016_DU_IWW.DGN
File name:

INTRACOASTAL WATERWAY
JACKSONVILLE TO MAYPORT, FLORIDA
DUVAL COUNTY

HYDROGRAPHIC EXAMINATION SURVEY FY21
10 AND 12-FOOT PROJECT

STA. 33+00 CUT DU-17 THRU STA. 32+00 CUT DU-18

PLAN

Scale: AS SHOWN

Drawing no.

16

SHEET 16 OF 18

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"43"	DBN-43 (09/21)	521,371	2,154,673	30°15'35.36"	81°25'37.05"
R"44"	LT-44 (09/21)	521,018	2,154,327	30°15'31.92"	81°25'41.06"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 21-204.
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: GMR
Proj. No.: V912EP-XX-XX-XXX
Date: SEP 2021

X:\XXXXXXX-XXXXXXX.DGN
XXXXXXXXX-XXXXXXXX.DGN
21-204-HAWV_IWW_DU.DGN
21-204-A-CON12_IWW_DU.DGN
21-204-A-SOUN_IWW_DU18.DGN
21-204-A-SOUN_IWW_DU19.DGN
IWW-C-NGMCF.DGN
21-204-C-BR-BRDR_DU_IWW.DGN
Reference files:
21-204-HH317_DU_IWW.DGN
File name:

INTRACOASTAL WATERWAY
JACKSONVILLE TO MAYPORT, FLORIDA
DUVAL COUNTY

HYDROGRAPHIC EXAMINATION SURVEY FY21
10 AND 12-FOOT PROJECT

STA. 32+00 CUT DU-18 THRU STA. 26+00 CUT DU-19

PLAN

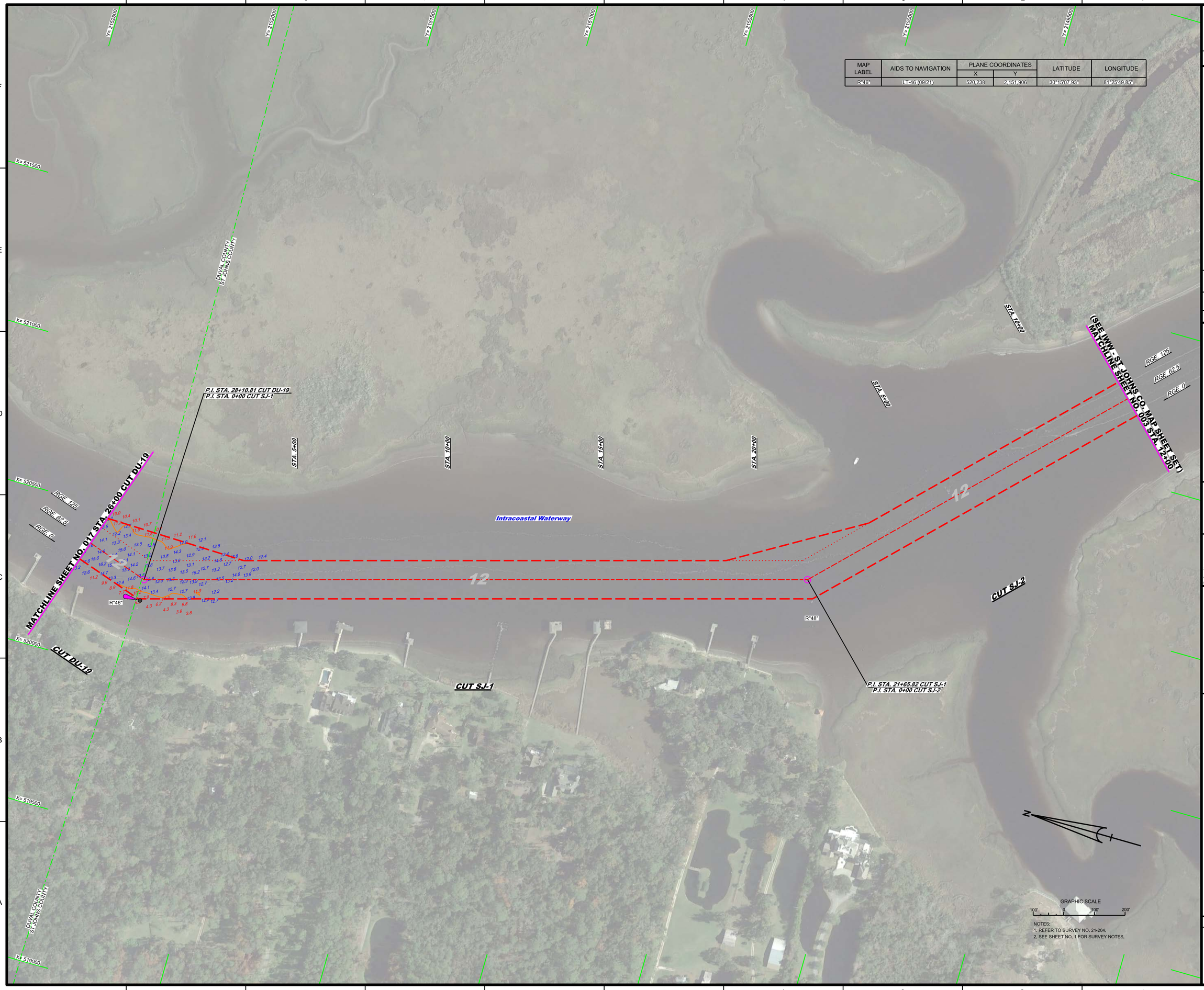
Scale: AS SHOWN

Drawing no.

17

SHEET 17 OF 18

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"46"	LT-46 (09/21)	520,238	2,151,906	30°15'07.93"	81°25'49.85"



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
Checked by: CMR
Rev. No. V01(2EP-XX-X-XXXX
Date: SEP 2021

Reference files:
J:\XX-XX-X-XXXX-XX\XXXXXXXX-X-XXXXXXX.DGN
J:\XX-XX-X-XXXX-XX\XXXXXXXX-X-XXXXXXX.DGN
J:\XX-XX-X-XXXX-XX\XXXXXXXX-X-XXXXXXX.DGN
21-204-A-NAV_IWW_DU.DGN
21-204-A-SOUNDING_IWW_DU.DGN
21-204-A-SOUNDING_IWW_DU1B.DGN
IWW-CANGMCCF.DGN
21-204-C-BS-BRDR_DU_IWW.DGN
21-204-V-H-018_DU_IWW.DGN

File name:

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
DUVAL COUNTY

HYDROGRAPHIC EXAMINATION SURVEY FY21
10 AND 12-FOOT PROJECT

STA. 28+00 CUT DU-19 THRU STA. 12+00 CUT SJ-2

PLAN

Scale: AS SHOWN

Drawing no.

18

SHEET 18 OF 18