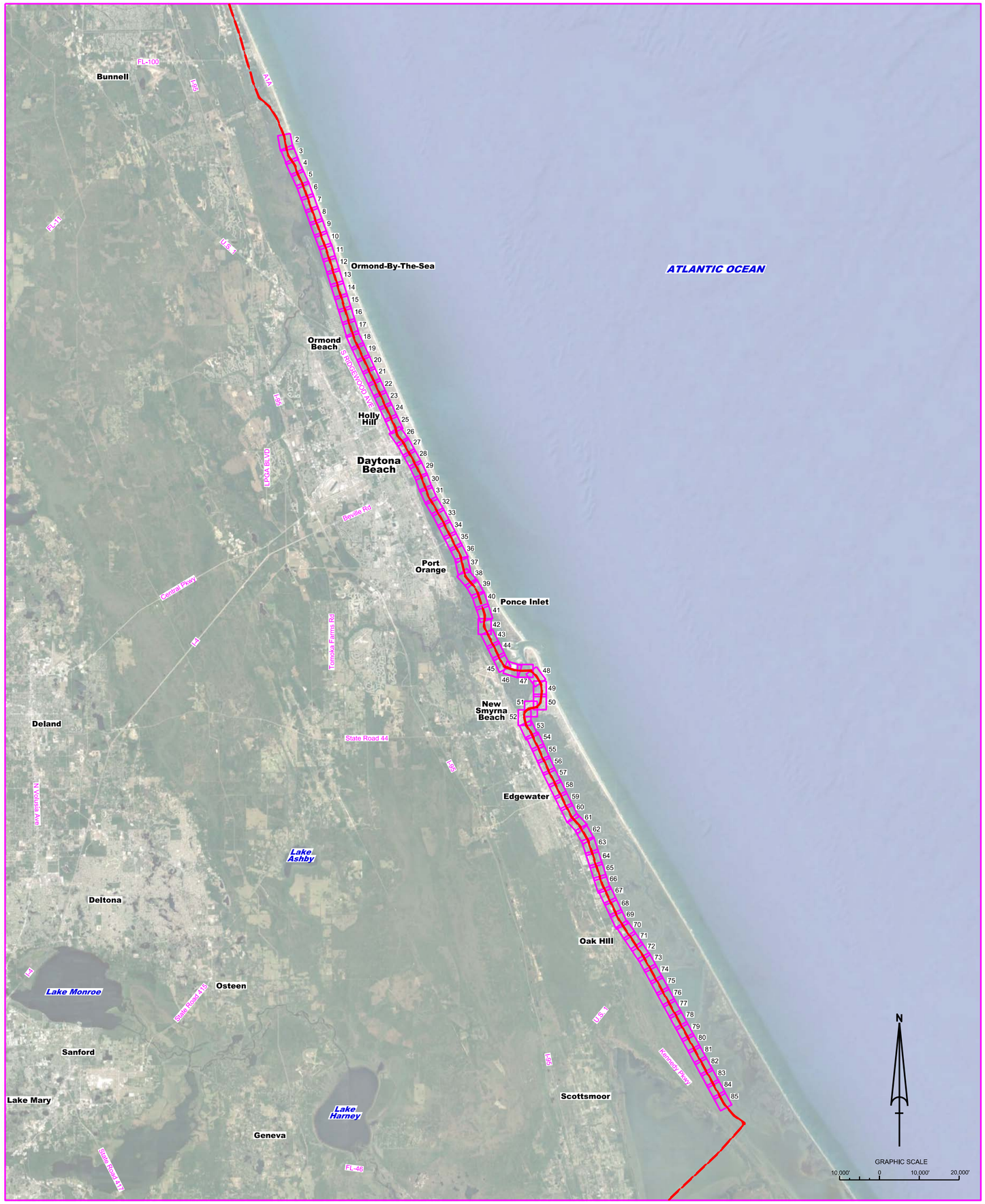
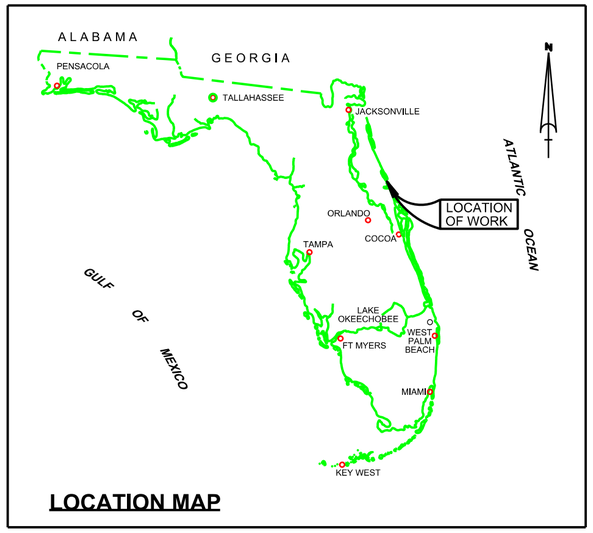




LOCATION MAP

IWW - JACKSONVILLE TO MIAMI
CUTS V1 THRU V46
VOLUSIA COUNTY, FL
HYDROGRAPHIC EXAM SURVEY FY21
12-FOOT PROJECT

SURVEY NOTES

1. REFER TO SURVEY NO. 21-223.
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: "VOLUSIA-BREVARD (W-O_CANAVERALHBR_2016 05 06.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 BENCHMARKS SPECIFIED BELOW:

   NOAA TIDAL STATION "872-1164 B" FOR MIDDLE OF PROJECT) (NGS PID: DK6884)

   NOAA TIDAL STATION "872-1456 A" USED THE SOUTH END (pID: AJ5513)

   VERTICAL MEASUREMENTS WERE MADE USING AN EDGETECH 6205 MULTI-PHASE ECHOSOUNDER. ALL SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.

VESSEL	DATE OF SURVEY	CUT
SB-48	14 SEP 2021	V-1 THRU V-8
SB-48	15 SEP 2021	V-8 THRU V-13
SB-48	17 SEP 2021	V-13 THRU V-20
SB-48	06 OCT 2021	V-22 THRU V-32
SB-44	23 FEB 2022	V-20 THRU V-23
SB-44	24 FEB 2022	V-37 THRU V-39
SB-44	01 MAR 2022	V-33 THRU V-37, V-39 THRU V-43
SB-44	02 MAR 2022	V-43 THRU V-46

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: WRM
Cad by: GMR
DWN by: WRM
Inv. No. W912EP-XX-X-XXXX
Dated: MAR 2022

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
21-223-AHNDEX_VO.DGN
IWW-C-NGMCCF.DGN
21-223-C-BS-BRDR_VO.DGN
Reference files:
21-223-VH-001_VO.DGN
File name:

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
VOLUSIA COUNTY

HYDROGRAPHIC EXAM SURVEY FY21
12-FOOT PROJECT

INDEX, LOCATION AND VICINITY

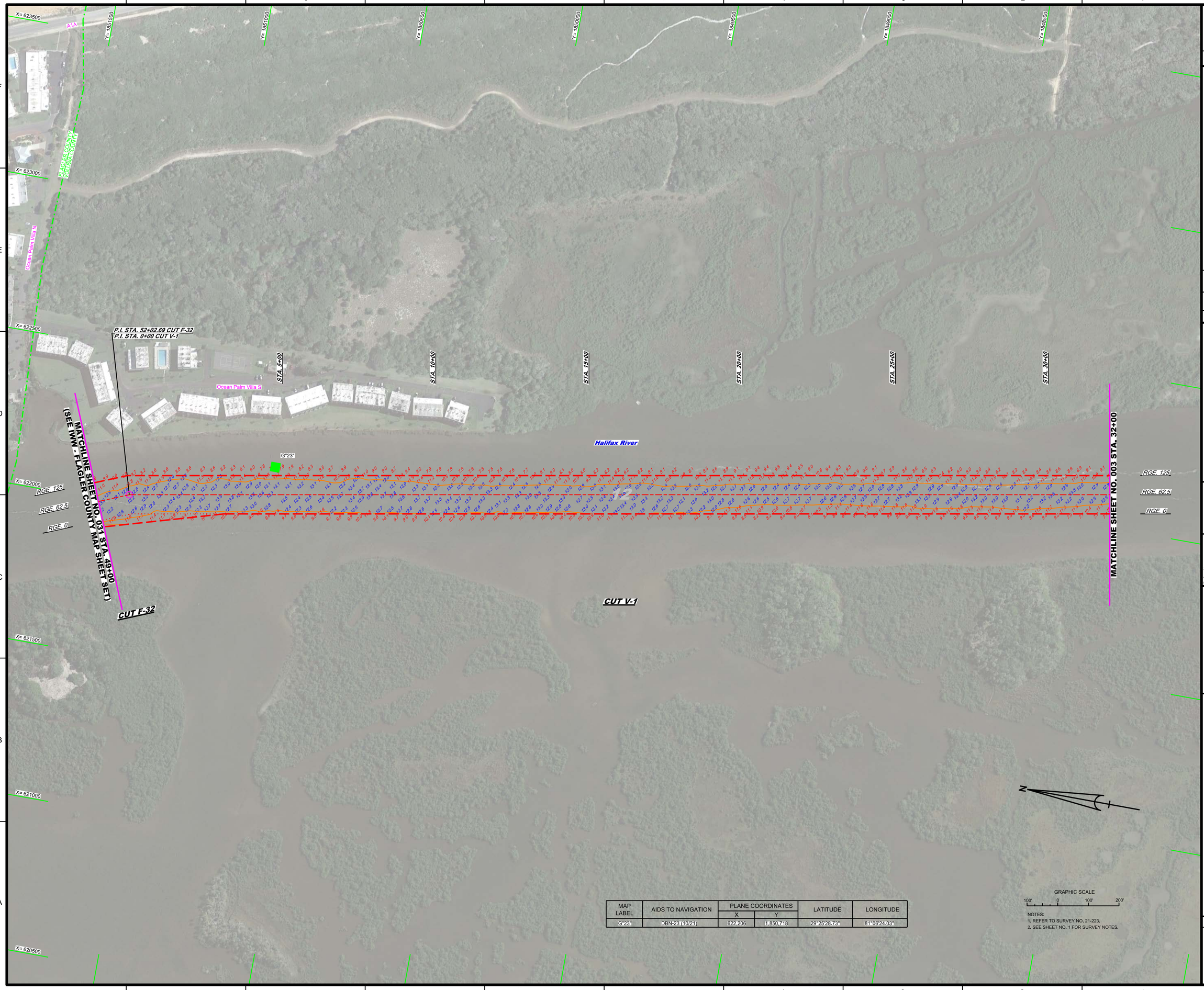
MAP

Scale: AS SHOWN

Drawing no.

1

SHEET 01 OF 85



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"23"	DBN-23 (10/21)	622,206	1,850,718	29°25'28.73"	81°06'24.03"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 21-223.
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. V01(2EP-XX-X-XXX
Date: MAR 2022

I:\XXXXXXX-X-XXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
21-223-A-NAV.DGN
21-223-A-SOUN.DGN
21-223-A-SOUN_V-1.DGN
IWW-CNG(MCCF.DGN
21-223-HS-BRDR_V0.DGN
Reference files:
21-223-VH-002_V0.DGN
File name:

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
VOLUSIA COUNTY

HYDROGRAPHIC EXAM SURVEY FY21
12-FOOT PROJECT

STA. 49+00 CUT F-2 THRU STA. 32+00 CUT V-1

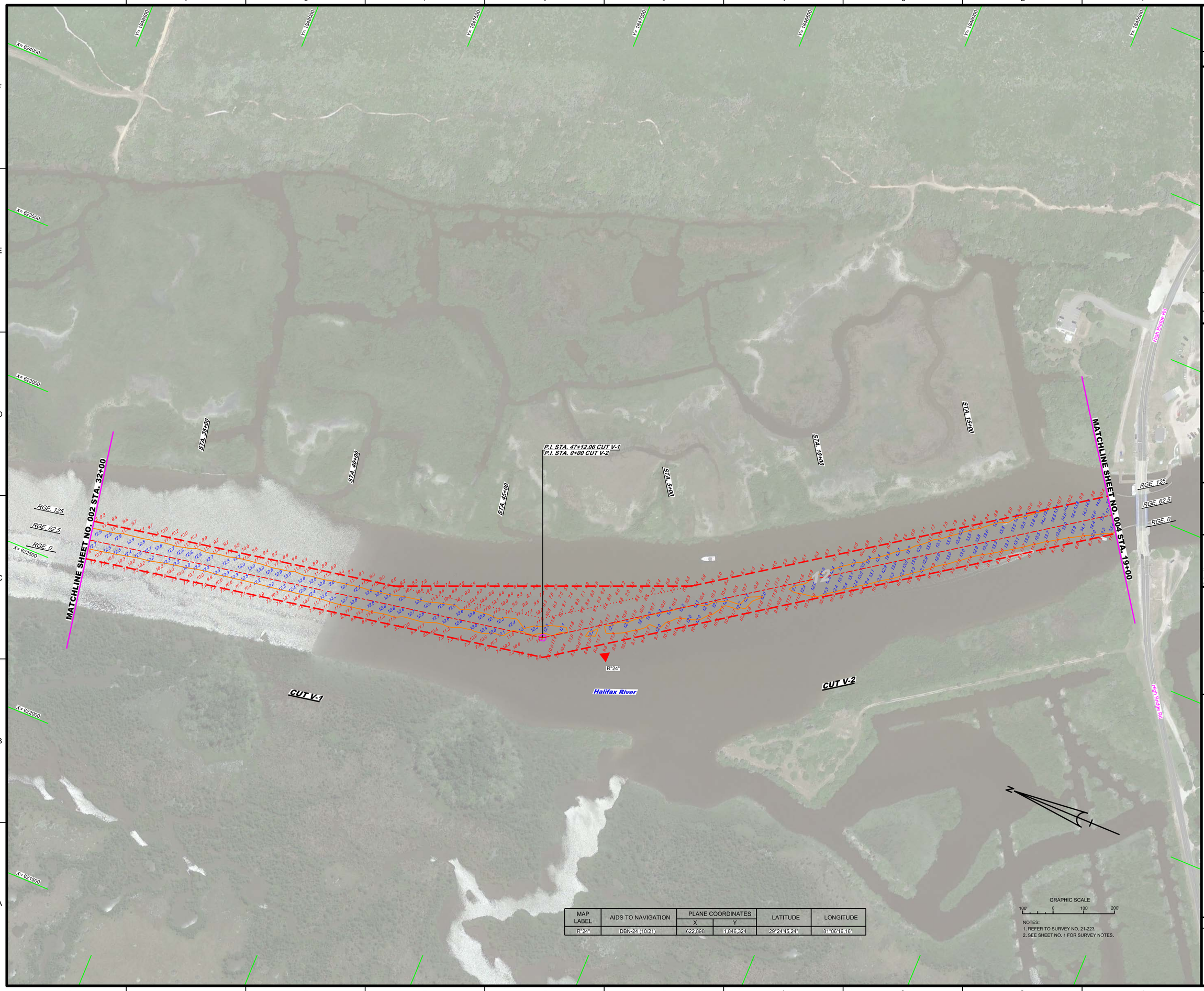
PLAN

Scale: AS SHOWN

Drawing no.

2

SHEET 02 OF 85



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"24"	DBN-24 (10/21)	622,898.	1,846,324.	29°24'45.24"	81°06'16.16"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 21-223.
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: GMB
Rev. No.: W912EP-XX-X-XXXX
Date: MAR 2022

X:\XXXXXXXX-XXXXXXXX\VO.DGN
X:\XXXXXXXX-XXXXXXXX\VO.DGN
21-223A-CONT.DGN
21-223A-CONT-VO.DGN
21-223A-NAV.DGN
21-223A-SOUN_V-1.DGN
IWW-C-NGMCCF.DGN
21-223A-DEB-BRDR_VO.DGN
Reference files:
21-223A-VH303_VO.DGN
File name:

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
VOLUSIA COUNTY

HYDROGRAPHIC EXAM SURVEY FY21
12-FOOT PROJECT

STA. 32+00 CUT V-1 THRU STA. 19+00 CUT V-2

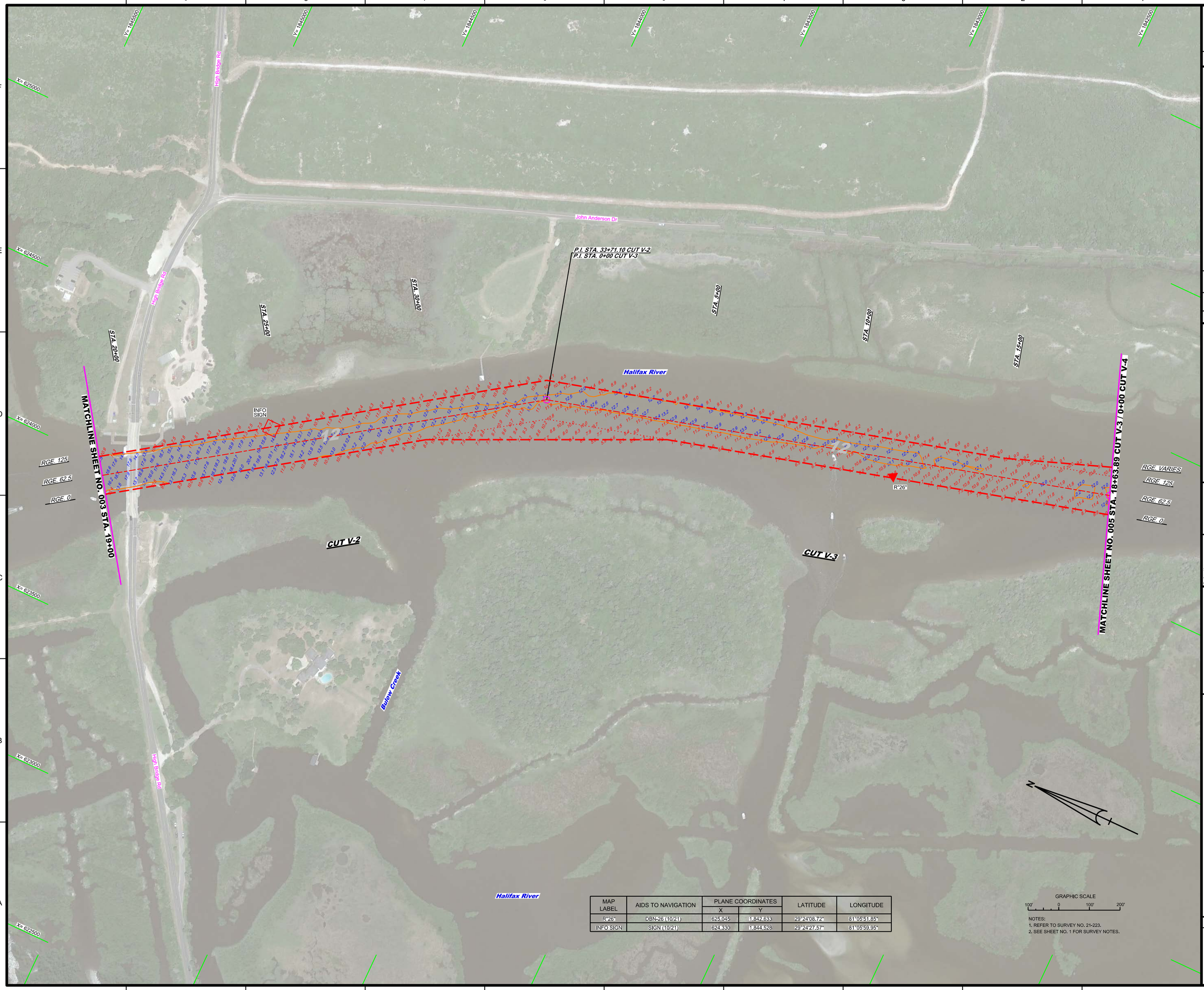
PLAN

Scale: AS SHOWN

Drawing no.

3

SHEET 03 OF 85



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"26"	DBN-26 (10/21)	625,045	1,842,633	29°24'08.72"	81°05'51.85"
INFO SIGN	SIGN (10/21)	624,330	1,844,528	29°24'27.57"	81°05'59.95"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 21-223.
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
Rev. No. W912EP-XX-X-XXXX
Date: MAR 2022

Reference files:
XXXXXXXX-XX-XX-XX.DGN
XXXXXXXX-XX-XX-XX.DGN
21-223-VONAV.DGN
21-223-VCONTR.DGN
21-223-VSOUN_V4.DGN
21-223-VSOUN_V3.DGN
IWW-CNGMCCF.DGN
21-223-GABS-BRDR_V0.DGN
21-223-VHHW_V0.DGN

File name:
21-223-VHHW_V0.DGN

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
VOLUSIA COUNTY

HYDROGRAPHIC EXAM SURVEY FY21
12-FOOT PROJECT

STA. 19+00 CUT V-2 THRU STA. 18+63.89 CUT V-3 / STA. 0+00 CUT V-4

PLAN

Scale: AS SHOWN

Drawing no.

4

SHEET 04 OF 85

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"28"	DBN-28 (10/21)	626,379	1,839,468	29°23'37.39"	81°05'36.74"

NOTES:
1. REFER TO SURVEY NO. 21-223.
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. V9123EP-XX-X-VXXX
Date: MAR 2022

XX-XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXXXX.DGN
21-223-A-NAV.DGN
21-223-A-SOUN TOPO.DGN
21-223-A-SOUN VA.DGN
IWW-C-NIGHCCF.DGN
21-223-C-BS-BRDR_VO.DGN
Reference files:
21-223-VH-004_VO.DGN
File name:

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
VOLUSIA COUNTY

HYDROGRAPHIC EXAM SURVEY FY21
12-FOOT PROJECT

STA. STA. 18+63.89 CUT V-3 / STA. 0+00 CUT V-4 THRU STA. 33+00 CUT V-4

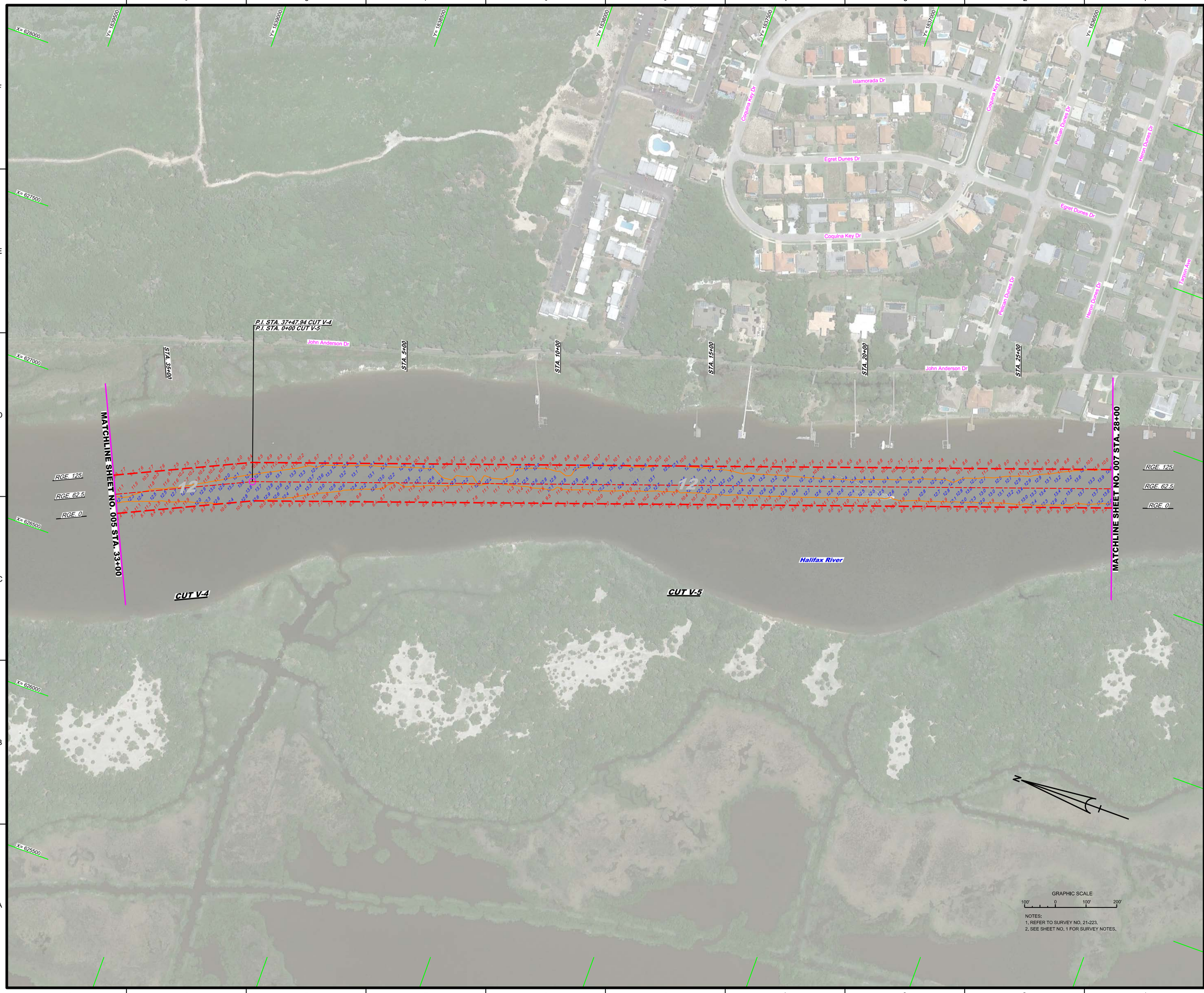
PLAN

Scale: AS SHOWN

Drawing no.

5

SHEET 05 OF 85



NOTES:
1. REFER TO SURVEY NO. 21-223.
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
Inv. No. W912EP-XX-X-XXXX
Date: MAR 2022

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
21-223-VCON13.DGN
21-223-VCON14-17.DGN
21-223-VSUN_V-4.DGN
IWW-C-NGMCCF.DGN
21-223-GABSBRDR_VO.DGN
Reference files:
21-223-VH-016_VO.DGN
File name:

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
VOLUSIA COUNTY

HYDROGRAPHIC EXAM SURVEY FY21
12-FOOT PROJECT

STA. 33+00 CUT V-4 THRU STA. 28+00 CUT V-5

PLAN

Scale: AS SHOWN

Drawing no.

6

SHEET 06 OF 85

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"30"	DBN-30 (10/21)	627,809	1,835,759	29°23'00.69"	81°05'20.54"
R"32"	DBN-32 (10/21)	628,535	1,833,674	29°22'40.06"	81°05'12.32"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 21-223.
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. V912EP-XX-X-XXXX
Date: MAR 2022

X:\XXXXXXXX-XXXXX.DGN
XXXXXXXX-XXXXXX.DGN
XXXXXXXX-XXXXXX.DGN
21-223-N-NAV.DGN
21-223-N-ANNO.DGN
21-223-N-SOUN_V-5.DGN
IWW-CANGMCCF.DGN
21-223-H-BS-BRDR_VO.DGN
Reference files:

21-223-H-H097_VO.DGN
File name:

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
VOLUSIA COUNTY

HYDROGRAPHIC EXAM SURVEY FY21
12-FOOT PROJECT

STA. 28+00 THRU STA. 61+00 CUT V-5

PLAN

Scale: AS SHOWN

Drawing no.

7

SHEET 07 OF 85

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"34"	DBN-34 (10/21)	629,140	1,831,944	29°22'22.93"	81°05'05.47"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 21-223.
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: MAR 2022

X:\XXXXXXX-XXXXXX\DGN
XXXXXXXXX-XXXXXXXX.DGN
21-223-HAWV.DGN
21-223A-CON12.DGN
21-223A-CON14.DGN
21-223A-SOUN_V-6.DGN
BWV-C-CNGMCF.DGN
21-223-C-BR-BRDR_VOL.DGN
Reference files
21-223-HR-008_VOL.DGN
File name:

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
VOLUSIA COUNTY

HYDROGRAPHIC EXAM SURVEY FY21
12-FOOT PROJECT

STA. 61+00 CUT V-5 THRU STA. 26+00 CUT V-6

PLAN

Scale: AS SHOWN

Drawing no.

8

SHEET 08 OF 85

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"2"	LT-2 (10/21)	630,889	1,827,143	29°21'35.41"	81°04'45.66"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 21-223.
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. V912EP-XX-XX-XXXX
Date: MAR 2022

X:\XXXXXXXX-XXXX-DGN\
XXXXXXXXXX-XXXXXXXX.DGN
XXXXXXXXXX-XXXXXXXX.DGN
XXXXXXXXXX-XXXXXXXX.DGN
21-223A-MAV.DGN
21-223A-XXXX.DGN
21-223A-SOUN_VAD.DGN
IWW-C-CNGMCF.DGN
21-223A-C-BR-BRDR_VO.DGN
Reference files:
21-223>HH-009_VO.DGN
File name:

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
VOLUSIA COUNTY

HYDROGRAPHIC EXAM SURVEY FY21
12-FOOT PROJECT

STA. 26+00 THRU STA. 59+00 CUT V-6

PLAN

Scale: AS SHOWN

Drawing no.

9

SHEET 09 OF 85

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"4"	DBN-4 (10/21)	631,730	1,824,831	29°21'12.53"	81°04'36.14"

NOTES:
1. REFER TO SURVEY NO. 21-223.
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. V912EP-XX-X-XXXX
Date: MAR 2022

Reference files:
J:\XX-XXX-X-XXXX-XX\XXXXXXXX-X-XXXXXX-XX\XXXXXXXX-X-XXXXXX-XX\XXXXXXXX-X-XXXXXX-XX.DGN
21-223-A-MAN.DGN
21-223-A-XXXX.DGN
21-223-N-SOUN_V-ALD.DGN
RWW-CANGMCCF.DGN
21-223-C-BS-BRDR_VO.DGN
File name: 21-223-V-H-010_VO.DGN

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
VOLUSIA COUNTY

HYDROGRAPHIC EXAM SURVEY FY21
12-FOOT PROJECT

STA. 59+00 THRU STA. 92+00 CUT V-6

PLAN

Scale: AS SHOWN

Drawing no.

10

SHEET 10 OF 85

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"6"	DBN-6 (10/21)	632,537	1,822,527	29°20'49.73"	81°04'27.00"
G"7"	L-7 (10/21)	633,376	1,820,530	29°20'29.96"	81°04'17.51"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 21-223.
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.: V812EP-XX-XX-XXXX
Date: MAR 2022

X:\XXXXXXX-XX-XXXX-XX\DGN
XXXXXXXXX-XX-XXXXXXX.DGN
21-223-HAIWV.DGN
21-223-ACON12.DGN
21-223-ACON14.DGN
21-223-A-SOUN_V-7.DGN
IWW-C-CNGMCF.DGN
21-223-C-BR-BRDR_VO.DGN
Reference files
21-223-XHS11_VO.DGN
File name:

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
VOLUSIA COUNTY

HYDROGRAPHIC EXAM SURVEY FY21
12-FOOT PROJECT

STA. 92+00 CUT V-6 THRU STA. 27+61.39 CUT V-7 / STA. 0+00 CUT V-8

PLAN

Scale: AS SHOWN

Drawing no.

11

SHEET 11 OF 85

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"8"	DBN-8 (10/21)	633,776	1,818,773	29°20'12.57"	81°04'12.98"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 21-223.
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. V912EP-XX-XX-XXXX
Date: MAR 2022

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
21-223-XXXXXXXXXXXX.DGN
21-223-A-SDUN_V-8.DGN
BWX-C-CNGMCF.DGN
21-223-C-BR-BRDR_V0.DGN
Reference files:
21-223-XHH12_V0.DGN
File name:

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
VOLUSIA COUNTY

HYDROGRAPHIC EXAM SURVEY FY21
12-FOOT PROJECT

STA. 27+61.39 CUT V-7 / STA. 0+00 CUT V-8 THRU STA. 33+00 CUT V-8

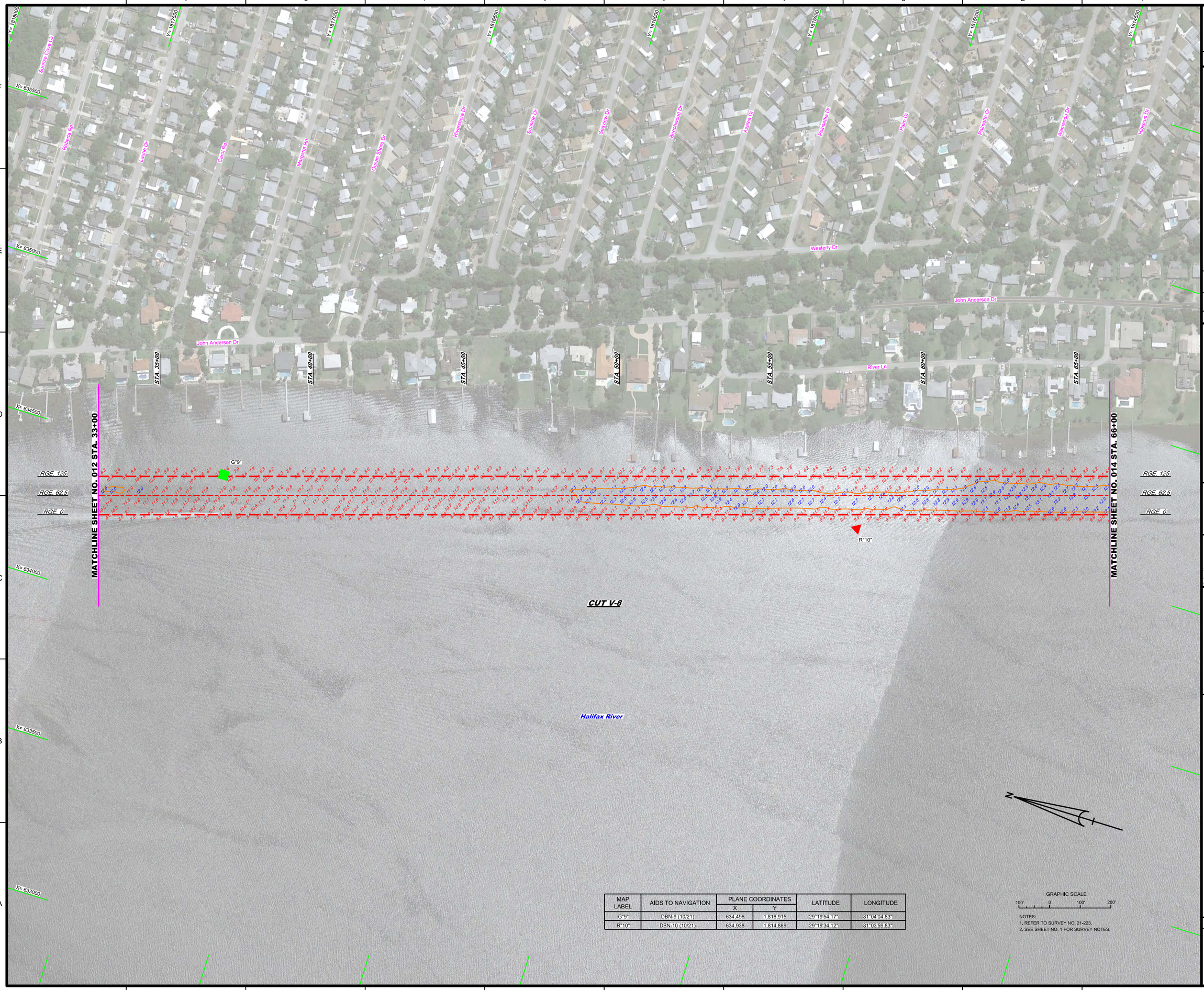
PLAN

Scale: AS SHOWN

Drawing no.

12

SHEET 12 OF 85



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"9"	DBN-9 (10/21)	634,496	1,816,915	29°19'54.17"	81°04'04.83"
R"10"	DBN-10 (10/21)	634,938	1,814,889	29°19'34.12"	81°03'59.83"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 21-223.
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
Rev. No. V912EP-XX-X-XXXX
Date: MAR 2022

XXXXXXXXXX-XXXXXXXX.DGN
XXXXXXXXXX-XXXXXXXX.DGN
XXXXXXXXXX-XXXXXXXX.DGN
21-223-N-MAV.DGN
21-223-N-CONTOUR.DGN
21-223-N-SOUN_V-8.DGN
NWW-CNG(MCCF.DGN
21-223-C-BS-BRDR_V0.DGN
Reference files:
21-223-VH-013_V0.DGN
File name:

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
VOLUSIA COUNTY

HYDROGRAPHIC EXAM SURVEY FY21
12-FOOT PROJECT

STA. 27+61.39 CUT V-7 / STA. 0+00 CUT V-8 THRU STA. 33+00 CUT V-8

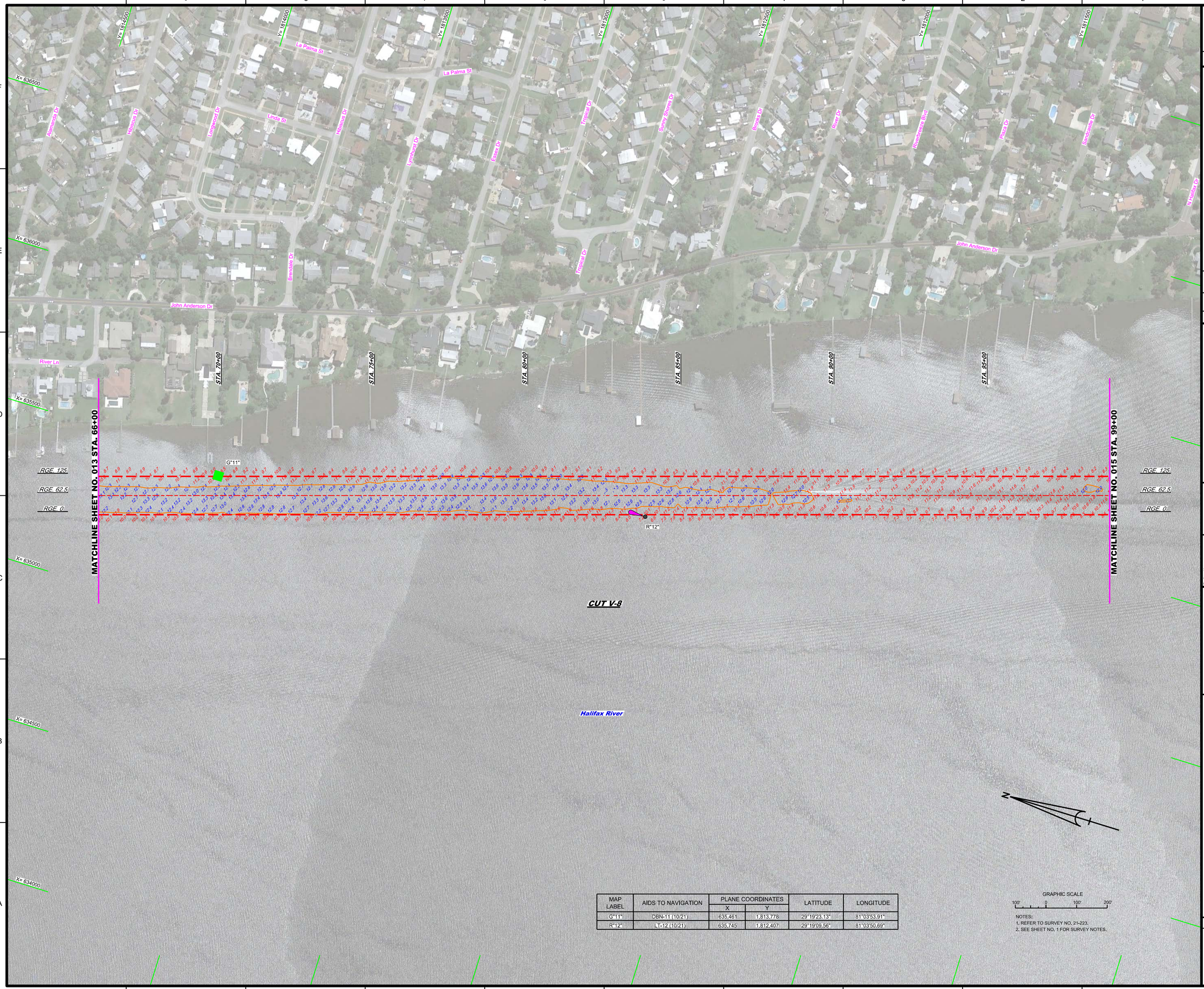
PLAN

Scale: AS SHOWN

Drawing no.

13

SHEET 13 OF 85



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"11"	DBN-11 (10/21)	635,461	1,813,778	29°19'23.13"	81°03'53.91"
R"12"	LT-12 (10/21)	635,745	1,812,407	29°19'09.56"	81°03'50.69"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 21-223.
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.: V812EP-XX-XX-XXXX
Date: MAR 2022

J:\XXXXXXX-XXXXXX.DGN
XXXXXXXXX-XXXXXXX.DGN
XXXXXXXXX-XXXXXXX.DGN
21-223A-NAV.DGN
21-223A-SOUN.DGN
21-223A-SOUN_VAL.DGN
BWV-C-CNGMCF.DGN
21-223-C-BR-BRDR_VO.DGN
Reference files:

21-223-VHs14_VO.DGN
File name:

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
VOLUSIA COUNTY

HYDROGRAPHIC EXAM SURVEY FY21
12-FOOT PROJECT

STA. 66+00 THRU STA. 99+00 CUT V-8

PLAN

Scale: AS SHOWN

Drawing no.

14

SHEET 14 OF 85

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"13"	CAN BUOY-13 (10/21)	636,577	1,810,098	29° 18'46.69"	81°03'41.28"

NOTES:
1. REFER TO SURVEY NO. 21-223.
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
Inv. No. W912EP-XX-X-XXXX
Date: MAR 2022

Reference files:
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
21-223-A-NAV.DGN
21-223-A-CONTROL.DGN
21-223-A-SOUN_VALD.DGN
IWW-C-NGMCCF.DGN
21-223-C-ABS-BRDR_VOL.DGN
File name: 21-223-VH-H15_VOL.DGN

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
VOLUSIA COUNTY

HYDROGRAPHIC EXAM SURVEY FY21
12-FOOT PROJECT

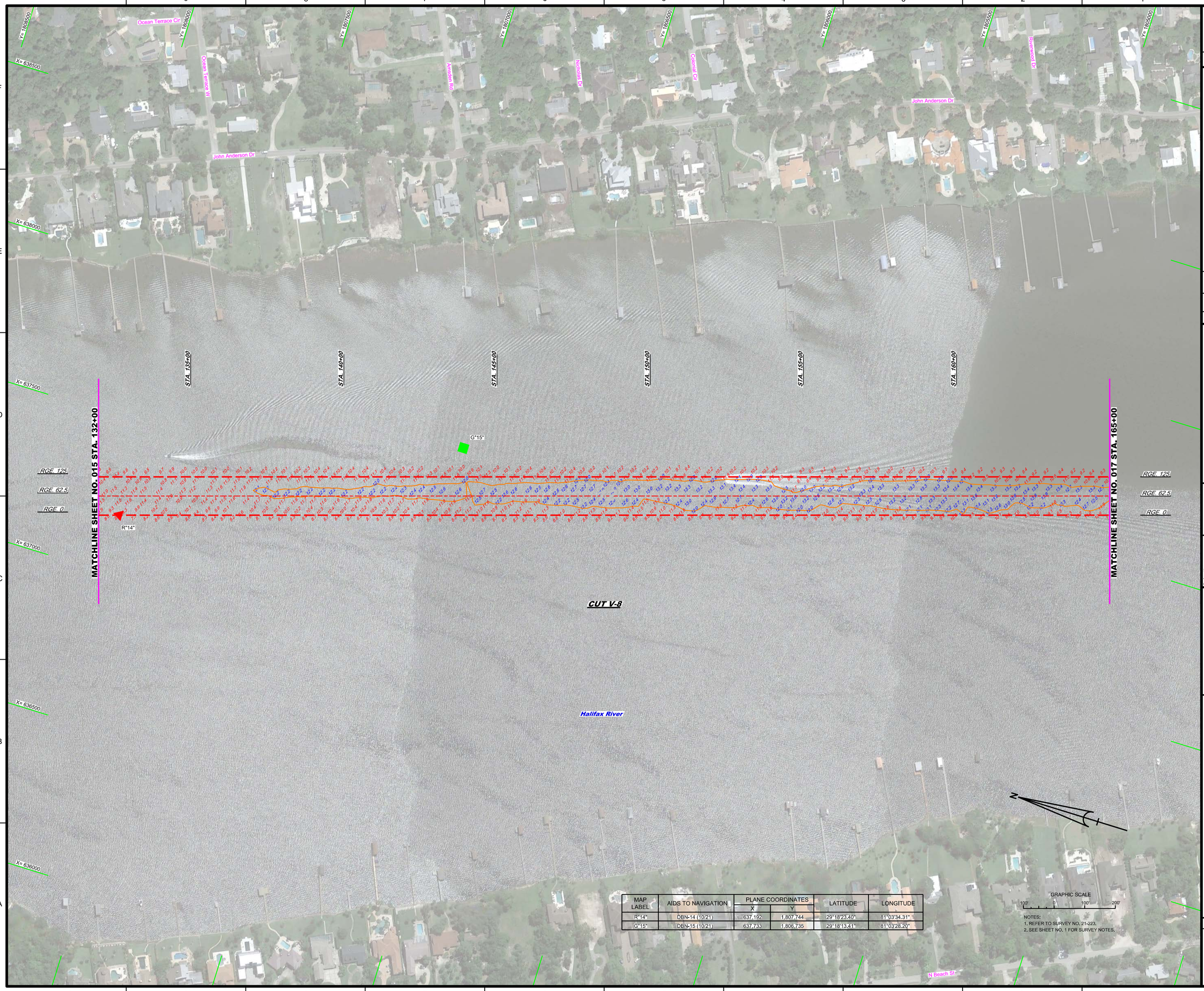
STA. 99+00 THRU STA. 132+00 CUT V-8

PLAN

Scale: AS SHOWN

Drawing no.
15

SHEET 15 OF 85



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"14"	DBN-14 (10/21)	637,192	1,807,744	29°18'23.40"	81°03'34.31"
G"15"	DBN-15 (10/21)	637,733	1,806,735	29°18'13.41"	81°03'28.20"

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 21-223.
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. V912EP-XX-XX-XX
Date: MAR 2022

X:\XXXXXXX-XXXXXXX.DGN
XXXXXXXXX-XXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
21-223A-MAN.DGN
21-223A-CONTROL.DGN
21-223A-SOUN_VAL.DGN
BWY-C-CNGMCF.DGN
21-223A-B-BRDR_VO.DGN
Reference files:
21-223-VH016_VO.DGN
File name:

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
VOLUSIA COUNTY

HYDROGRAPHIC EXAM SURVEY FY21
12-FOOT PROJECT

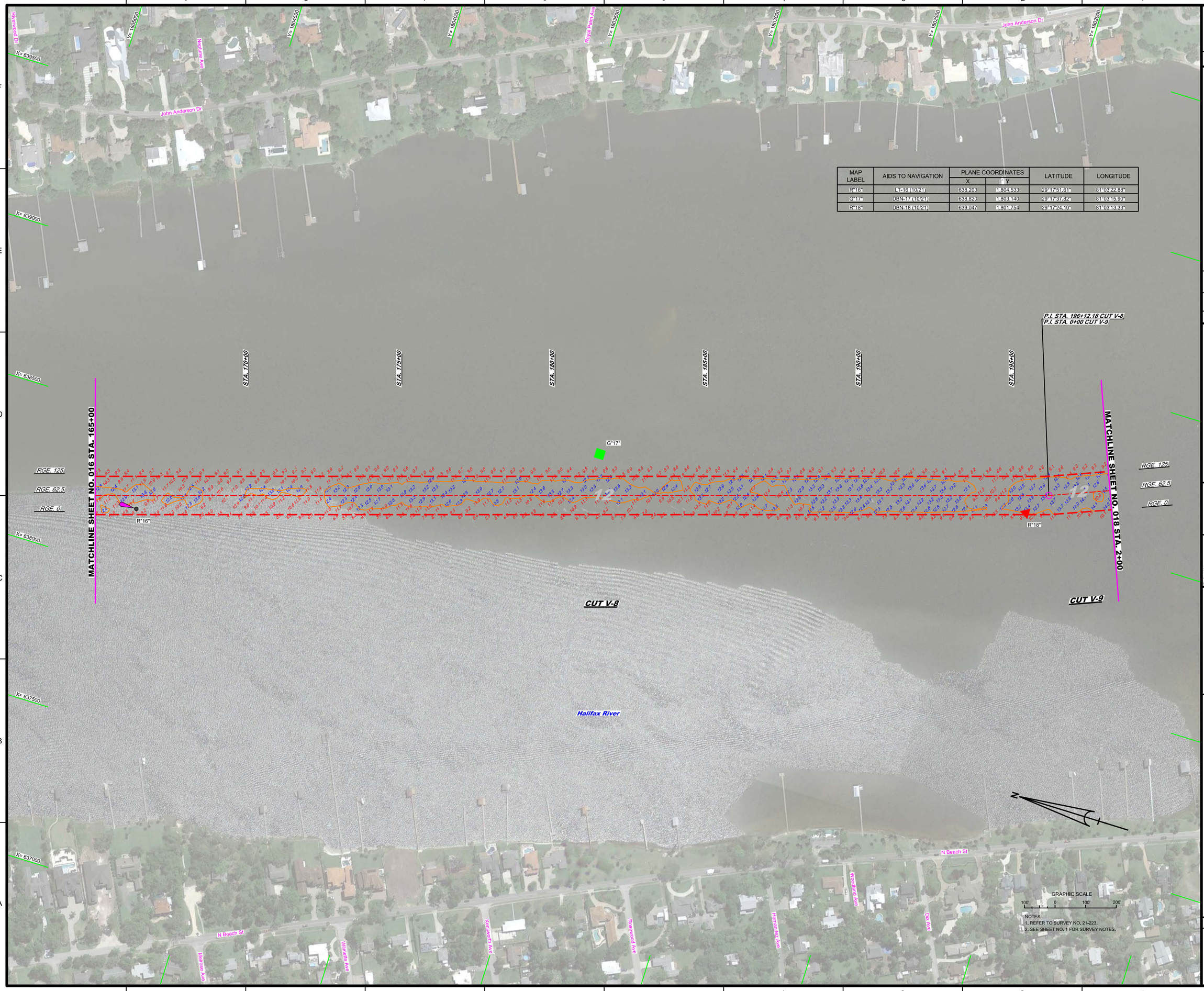
STA. 132+00 THRU STA. 165+00 CUT V-8

PLAN

Scale: AS SHOWN

Drawing no.
16

SHEET 16 OF 85



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"16"	LT-16 (10/21)	638,203	1,804,533	29°17'51.61"	81°03'22.88"
G"17"	DBN-17 (10/21)	638,820	1,803,140	29°17'37.82"	81°03'15.90"
R"18"	DBN-18 (10/21)	639,047	1,801,754	29°17'24.10"	81°03'13.33"

NOTES:
1. REFER TO SURVEY NO. 21-223.
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. V912EP-XX-X-XXXX
Date: MAR 2022

XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
21-223-H-NAV.DGN
21-223-H-CONT.DGN
21-223-H-SOUN_H.DGN
21-223-H-SOUN_V.DGN
IWW-C-NGMCCF.DGN
21-223-H-BS-BRDR_VOL.DGN
Reference files:
21-223-H-VH017_VOL.DGN
File name:

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
VOLUSIA COUNTY

HYDROGRAPHIC EXAM SURVEY FY21
12-FOOT PROJECT

STA. 165+00 CUT V-8 THRU STA. 2+00 CUT V-9

PLAN

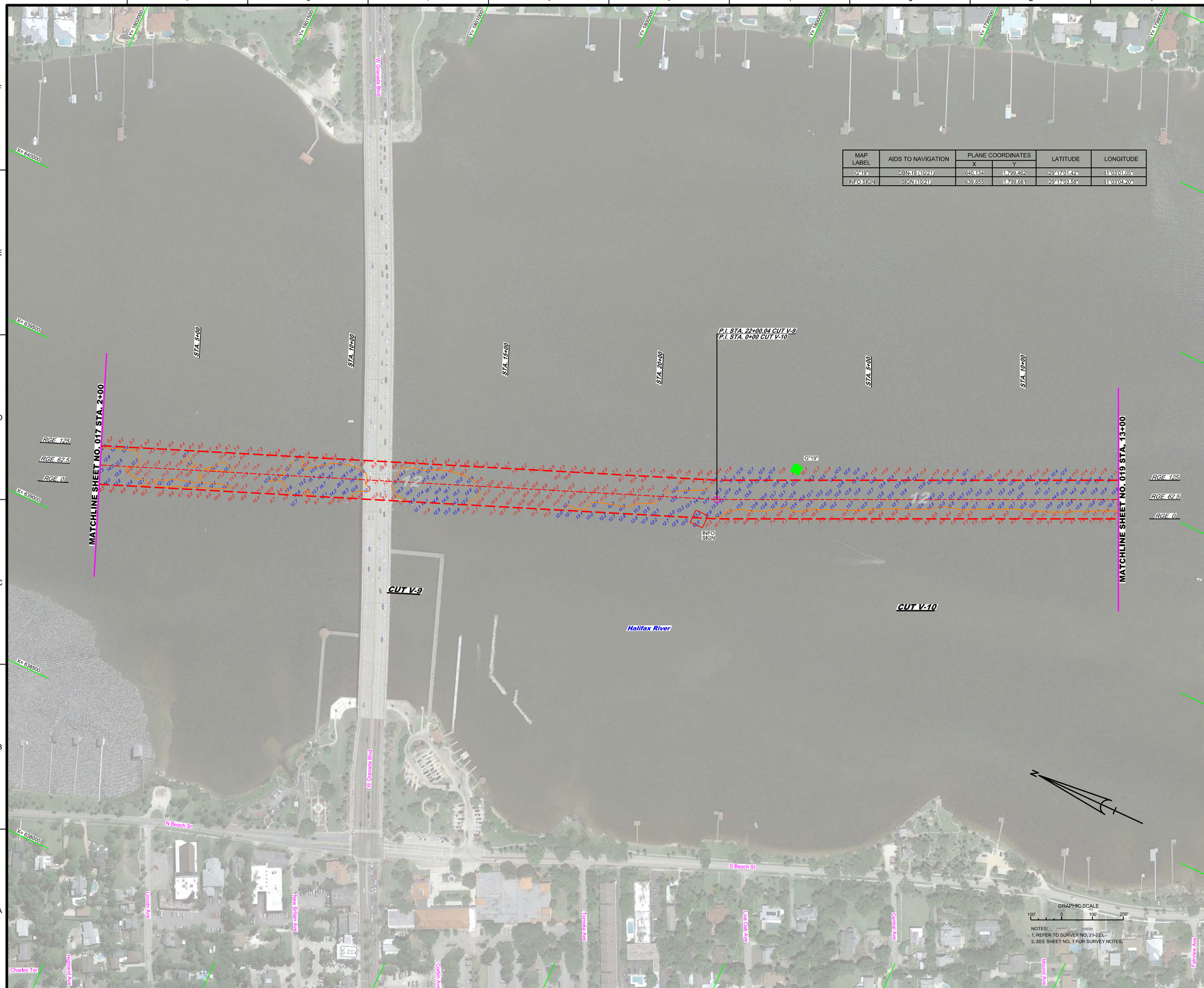
Scale: AS SHOWN

Drawing no.

17

SHEET 17 OF 85

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"19"	DBN-19 (10/21)	640,134	1,799,462	29°17'01.42"	81°03'01.05"
INFO SIGN	SIGN (10/21)	639,855	1,799,681	29°17'03.58"	81°03'04.20"



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

Drawn by: GMR
Designed by: VIRM
DWN by: VIRM
Rev. No.: V9912EP-XX-X-XXXX
Date: MAR 2022

Reference files:
V-XXXXXXX-X-XXXXXX.DGN
XXXXXXXXXX-XXXXXXXXXX.DGN
21-223-V-NAV.DGN
21-223-A-CONTOUR.DGN
21-223-A-SOUN_V-9.DGN
21-223-A-SOUN_V-10.DGN
IWW-CANGMCCF.DGN
21-223-v-BS-BRDR_V0.DGN
Reference file:
21-223-v-Hx018_V0.DGN
File name:

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
VOLUSIA COUNTY

HYDROGRAPHIC EXAM SURVEY FY21
12-FOOT PROJECT

STA. 2+00 CUT V-9 THRU STA. 13+00 CUT V-10

PLAN

Scale: AS SHOWN

Drawing no.

18

SHEET 18 OF 85

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"20"	DBN-20 (10/21)	640,792	1,797,663	29°16'43.61"	81°02'53.61"
G"21"	DBN-21 (10/21)	641,833	1,795,765	29°16'24.82"	81°02'41.84"

NOTES:
1. REFER TO SURVEY NO. 21-223.
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: WRM
DWN by: WRM
Rev. No. W912EP-XX-X-XXXX
Date: MAR 2022

Reference files:
X:\XX-XX-X-XXXX-XX\
XXXXXXXXX-XXXXXXXX.DGN
XXXXXXXXX-XXXXXXXX.DGN
XXXXXXXXX-XXXXXXXX.DGN
21-223-A-NAV.DGN
21-223-A-NAV_V0.DGN
21-223-N-SOUN_V-10.DGN
NWW-CNG/MCCF.DGN
21-223-C-BS-BRDR_V0.DGN
Reference file:
21-223-VH-019_V0.DGN
File name:

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
VOLUSIA COUNTY

HYDROGRAPHIC EXAM SURVEY FY21
12-FOOT PROJECT

STA. 13+00 THRU STA. 46+00 CUT V-10

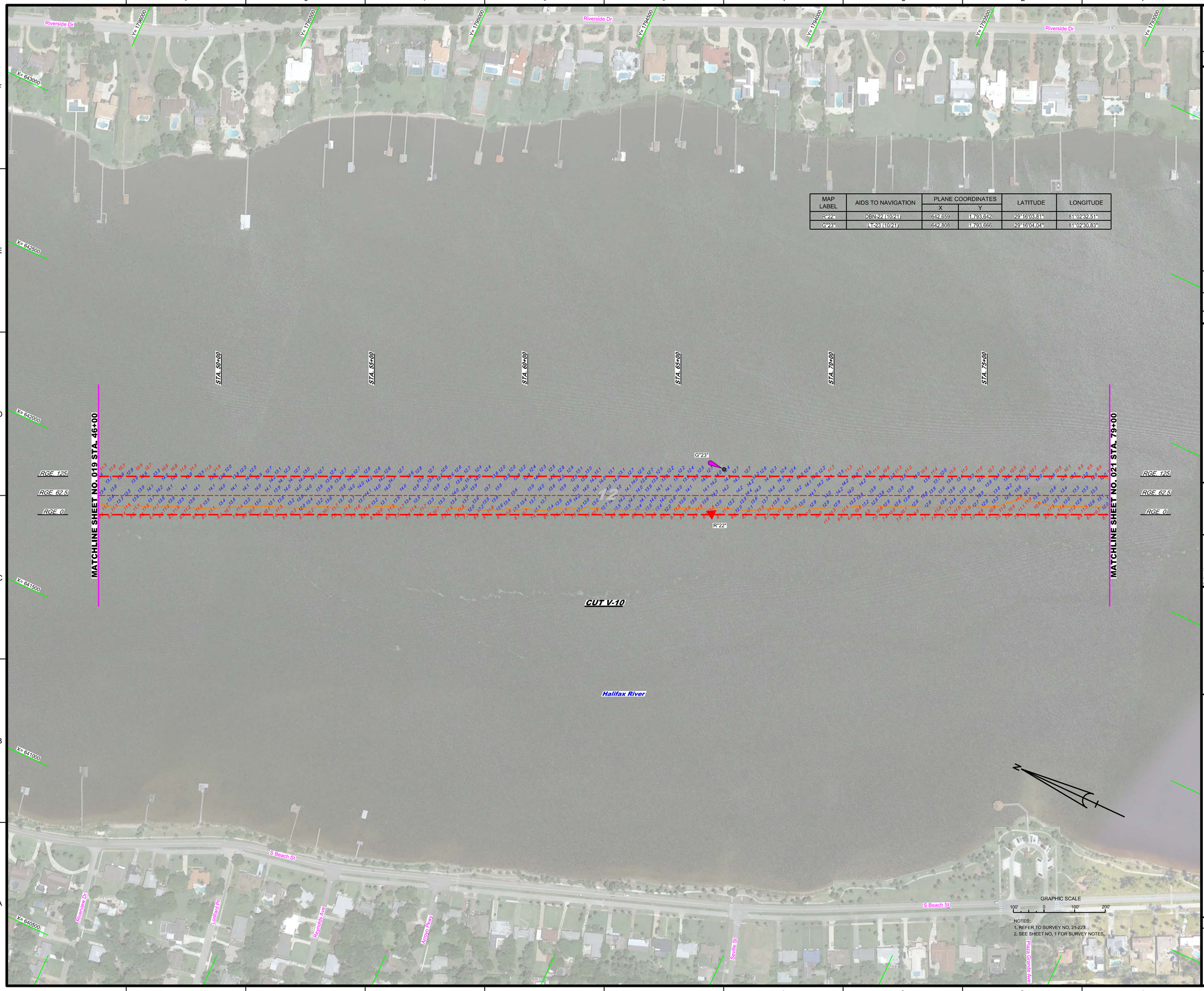
PLAN

Scale: AS SHOWN

Drawing no.

19

SHEET 19 OF 85



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"22"	DBN-22 (10/21)	642,659	1,793,642	29°16'03.81"	81°02'32.51"
G"23"	LT-23 (10/21)	642,808	1,793,666	29°16'04.04"	81°02'30.83"

NOTES:
1. REFER TO SURVEY NO. 21-223.
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: MAR 2022

X:\XXXXXXX-XXXXXXX\DGN
XXXXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXXXX.DGN
21-223A-MAN.DGN
21-223A-SQUIN.DGN
21-223A-SQUIN_V-10.DGN
IWW-C-CNGMCF.DGN
21-223A-B-BRDR_VO.DGN
Reference files
21-223-HH-020_VO.DGN
File name:

INTRACOASTAL WATERWAY
JACKSONVILLE TO MIAMI, FLORIDA
VOLUSIA COUNTY

HYDROGRAPHIC EXAM SURVEY FY21
12-FOOT PROJECT

STA. 46+00 THRU STA. 79+00 CUT V-10

PLAN

Scale: AS SHOWN

Drawing no.
20

SHEET 20 OF 85