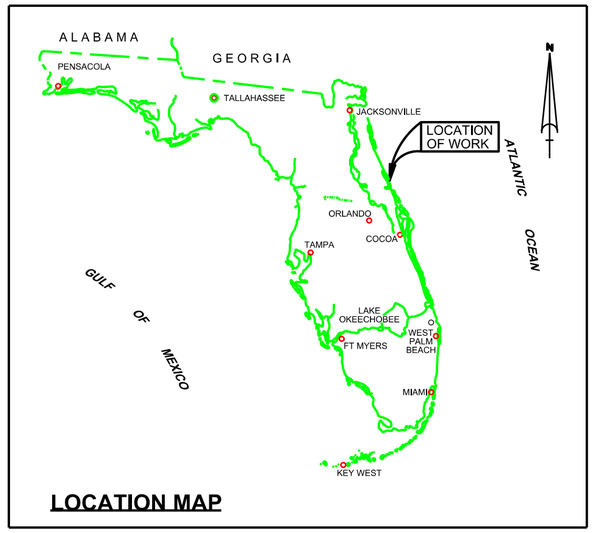
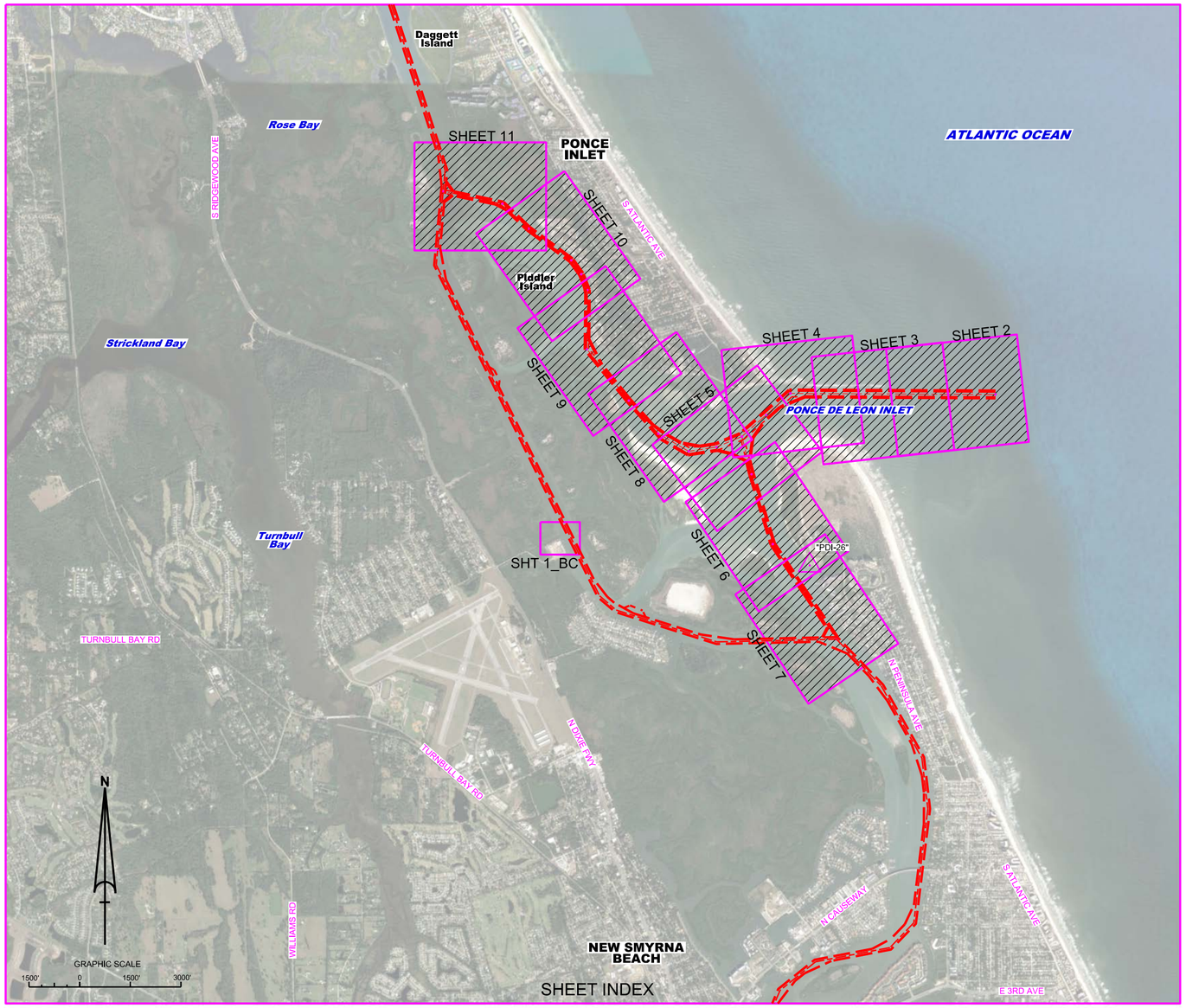
PONCE DE LEON INLET
VOLUSIA COUNTY, FLORIDA
AFTER-DREDGE / EXAM SURVEY FY23
7 & 12-FOOT PROJECT



LOCATION MAP



SHEET INDEX

SURVEY NOTES

1. REFER TO SURVEY NO. 23-181.
2. TIDAL REDUCTIONS WERE OBTAINED UTILIZING A REAL-TIME KINEMATIC (RTK) GPS AND REFERENCED TO MLLW. KTD FILE NAME IS: "VOLUSIA-BREVARD (W-O_CANAVERALHBR_2021 10 04.KTD)".
3. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEEDED BY A (+) SIGN.
4. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE EAST ZONE OF FLORIDA AND REFERENCED TO NORTH AMERICAN DATUM OF 1983 (NAD83).
5. ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
6. THIS SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC (RTK) GPS POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATION:

   REFERENCE BASE LOCATED AT "PDI-26" (OPUS PID: DK6691) FOR ALL PONCE DE LEON CUTS AND THE IWW FROM CUT V-22 THRU CUT V-38 STA 56+00.

   REFERENCE BASE LOCATED AT "872-1191 E" (OPUS PID: DK6691) FOR IWW CUTS V-38 STA 56+00 THRU THE END OF CUT V-40.
7. 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 GAGE SITES SPECIFIED BELOW:

   NOAA TIDAL STATION 872-1147 FOR ALL PONCE DE LEON CUTS AND THE IWW FROM CUT V-22 THRU CUT V-38 STA 56+00.

   NOAA TIDAL STATION 872-1191 FOR IWW CUTS V-38 STA 56+00 THRU THE END OF CUT V-40.

   VERTICAL MEASUREMENTS WERE MADE USING A ROSS SMART SOUNDER MODEL 835C WITH A DUAL-FREQUENCY (28/200 KHZ) SINGLE-BEAM TRANSDUCER. ALL SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.

VESSEL	DATE OF SURVEY	CUT
SV AMELIA	15 AUG 2023	CUT-3S
SV AMELIA	16 AUG 2023	CUTS 1S, 2S, 3A, 3N, 4N
SV AMELIA	17 AUG 2023	CUTS 5N THRU 13N
SV AMELIA	22 AUG 2023	CUTS 1A & 2A, V-25 THRU V-27
SV AMELIA	11 SEP 2023	CUT V-22
SV AMELIA	12 SEP 2023	CUT V-23

8. AIDS TO NAVIGATION WERE LOCATED DURING THIS SURVEY.
9. 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.
10. 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
DWN by: VIRM
Chk by: GMR
Rev. No. V9123EP-XX-XX-XXXX
Date: AUG 2023

23-181-VHBDER.DGN
IWW-C-VIGNICCF.DGN
PONCE INLET-C-NGMCCF_2017.DGN
23-181-C-ESBRDR.DGN
Reference files:
23-181-VH-001.DGN
File name:

PONCE DE LEON INLET
VOLUSIA COUNTY, FLORIDA
AFTER-DREDGE / EXAM SURVEY FY23
7 & 12-FOOT PROJECT
INDEX, LOCATION AND VICINITY
MAP

Scale: AS SHOWN

Drawing no.
1

SHEET 01 OF 11

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"3"	LT. BUOY-3 (08/23)	689,333	1,724,490	29°04'39.05"	80°53'46.19"
R"4"	LT. BUOY-4 (08/23)	688,170	1,725,062	29°04'44.72"	80°53'59.30"
G"5"	CAN BUOY-5 (08/23)	687,702	1,724,432	29°04'38.49"	80°54'04.57"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 23-181.
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. V991ZEP-XX-X-XXXX
Date: AUG 2023

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
23-181-VA-SOUN_CT1A.DGN
PONCE INLET-C-NGMCCF_2017.DGN
23-181-C-ES-BKDR.DGN
Reference files:
23-181-VH-002.DGN
File name:

PONCE DE LEON INLET
VOLUSIA COUNTY, FLORIDA

AFTER-DREDGE / EXAM SURVEY FY23
7 & 12-FOOT PROJECT

STA. 0+00 THRU STA. 20+00 CUT-1A

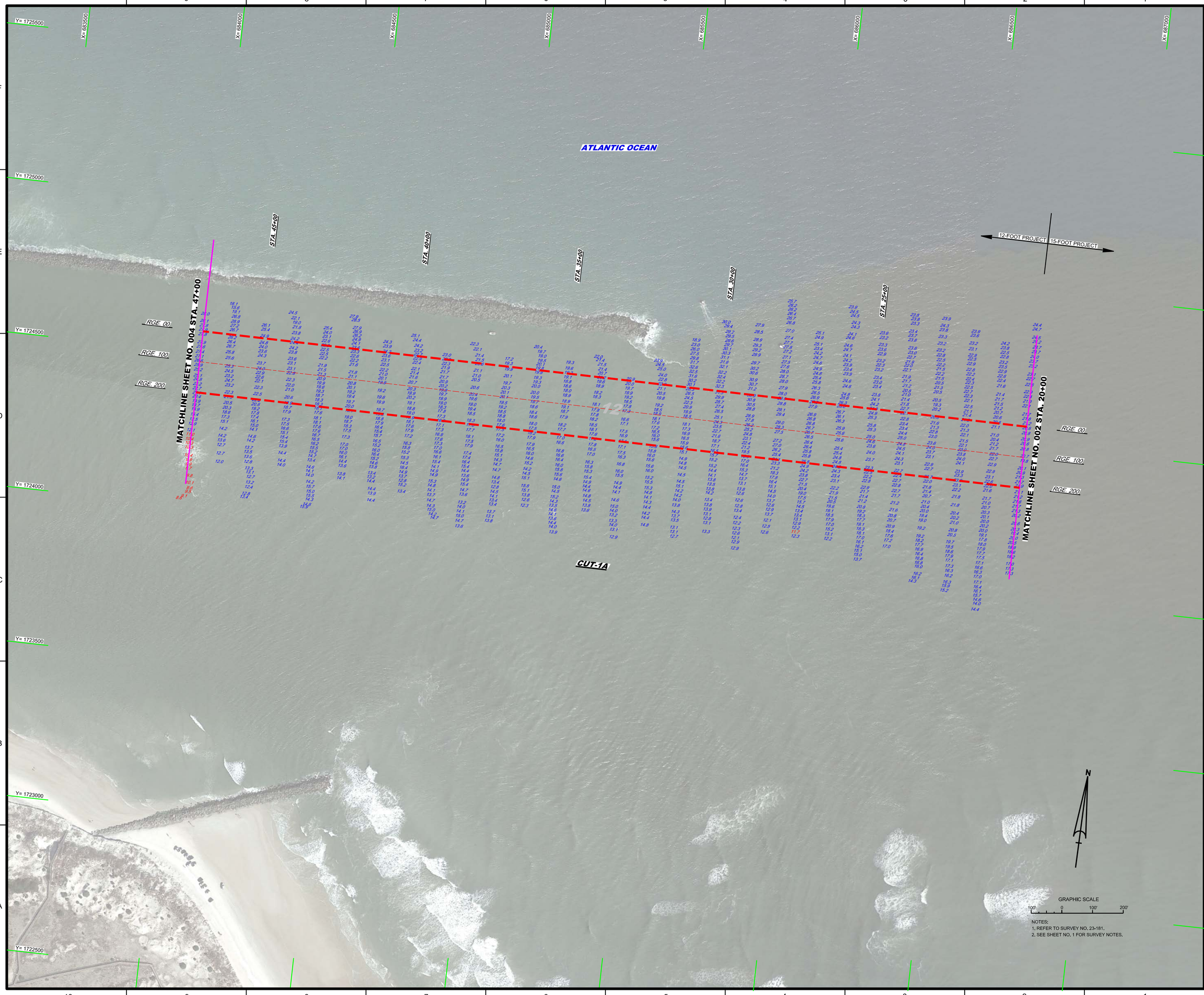
PLAN

Scale: AS SHOWN

Drawing no.

2

SHEET 02 OF 11



NOTES:
1. REFER TO SURVEY NO. 23-181.
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. V0912EP-XXX-XXXX
Date: AUG 2023
G5"

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
23-181-VASQUIN_CTA.DGN
PONCE INLET-CANGMCCF_2017.DGN
23-181-CoESpBRDR.DGN
Reference files:
23-181-VH-003.DGN
File name:

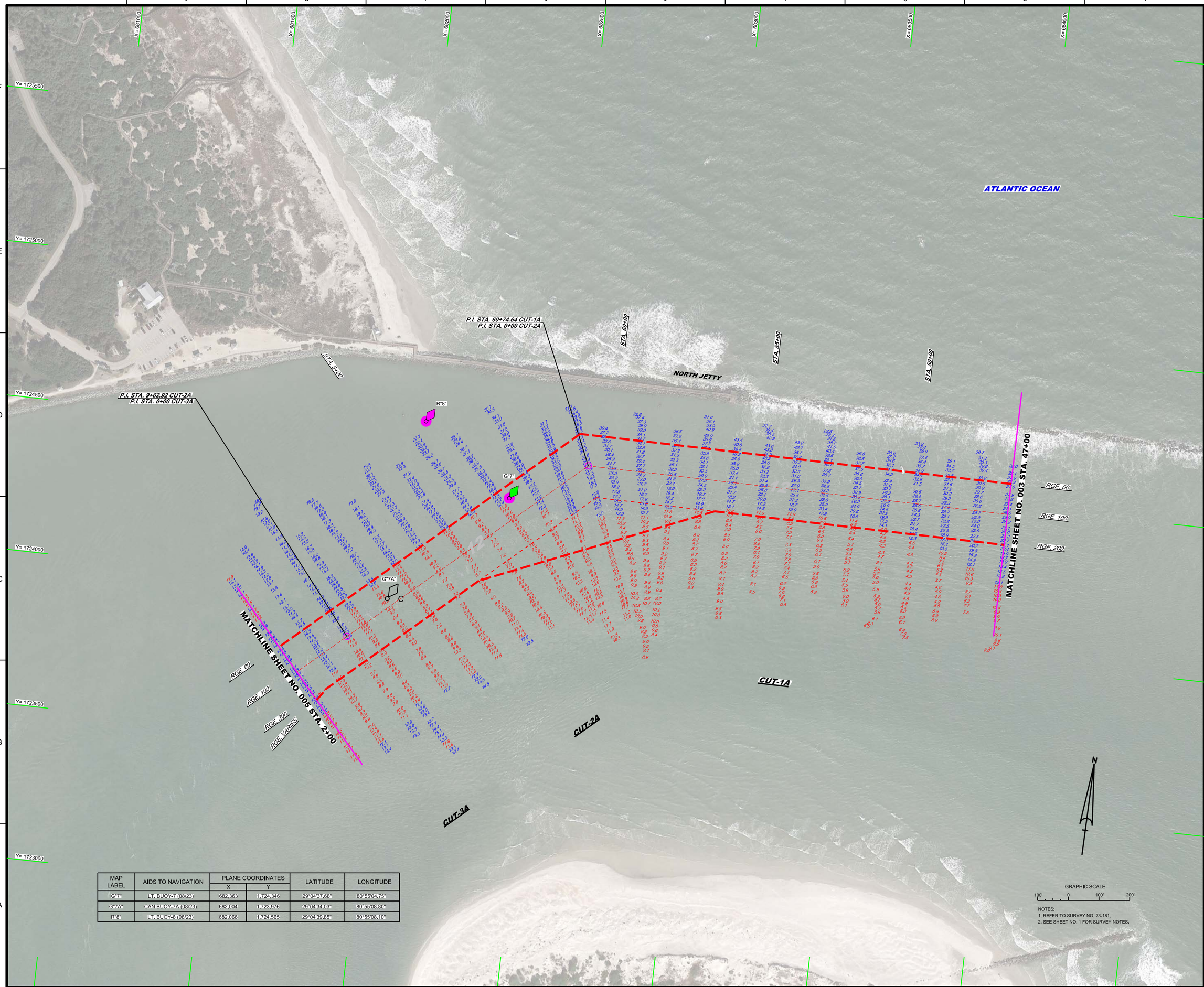
PONCE DE LEON INLET
VOLUSIA COUNTY, FLORIDA

AFTER-DREDGE / EXAM SURVEY FY23
7 & 12-FOOT PROJECT
STA. 20+00 THRU STA. 47+00 CUT-1A
PLAN

Scale: AS SHOWN

Drawing no.
3

SHEET 03 OF 11



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"7"	LT. BUOY-7 (08/23)	682,363	1,724,346	29°04'37.68"	80°55'04.75"
G"7A"	CAN BUOY-7A (08/23)	682,004	1,723,976	29°04'34.03"	80°55'08.80"
R"8"	LT. BUOY-8 (08/23)	682,066	1,724,565	29°04'39.85"	80°55'08.10"

NOTES:
1. REFER TO SURVEY NO. 23-181.
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

Checked by: CMR
Designed by: VRM
DWN by: VRM
Rev. No.: V9123EP-XXX-XXXX
Date: AUG 2023
G5"

XX-XXXX-X-XXXXXXX.DGN
23-181-UCNAV.DGN
23-181-VSOUN_C1A.DGN
23-181-VSOUN_C2A.DGN
23-181-VSOUN_C3A.DGN
PONCE INLET-CAGMCCF_2017.DGN
23-181-UcESHBORD.DGN
Reference files:
23-181-VH004.DGN
File name:

PONCE DE LEON INLET
VOLUSIA COUNTY, FLORIDA

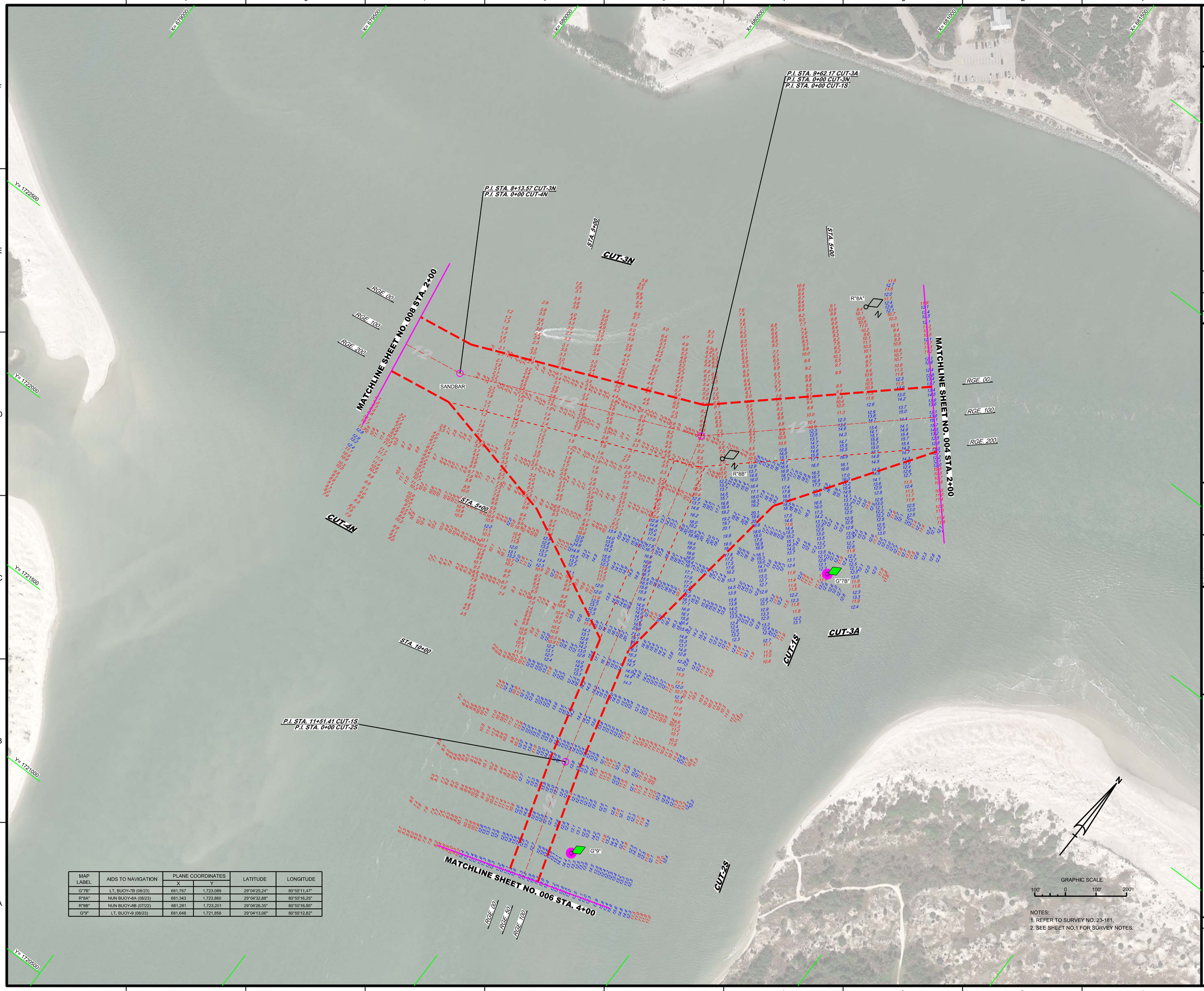
AFTER-DREDGE / EXAM SURVEY FY23
7 & 12-FOOT PROJECT
STA. 47+00 CUT-1A THRU STA. 2+00 CUT-3A

PLAN

Scale: AS SHOWN

Drawing no.
4

SHEET 04 OF 11



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"7B"	LT, BUOY-7B (08/23)	681,767	1,723,089	29°04'25.24"	80°55'11.47"
R"8A"	NUN BUOY-8A (08/23)	681,343	1,723,860	29°04'32.88"	80°55'16.25"
R"8B"	NUN BUOY-8B (07/22)	681,281	1,723,201	29°04'26.35"	80°55'16.95"
G"9"	LT, BUOY-9 (08/23)	681,648	1,721,858	29°04'13.06"	80°55'12.82"

NOTES:
1. REFER TO SURVEY NO. 23-181.
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.: V9123EP-XX-X-XXXX
Date: AUG 2023

23-181-V-XXXX.DGN
23-181-V-SOUN_CAL.DGN
23-181-V-SOUN_CON.DGN
23-181-V-SOUN_CIN.DGN
23-181-V-SOUN_CIT.DGN
23-181-V-SOUN_CRS-1.DGN
PONCE INLET-CAGMCCF_2017.DGN
23-181-V-PS-SHDR.DGN
Reference files:
23-181-V-H-005.DGN
File name:

PONCE DE LEON INLET
VOLUSIA COUNTY, FLORIDA

AFTER-DREDGE / EXAM SURVEY FY23
7 & 12-FOOT PROJECT

STA. 2+00 CUT-3N THRU STA. 2+00 CUT-3A
STA. 0+00 CUT-1S THRU STA. 4+00 CUT-2S

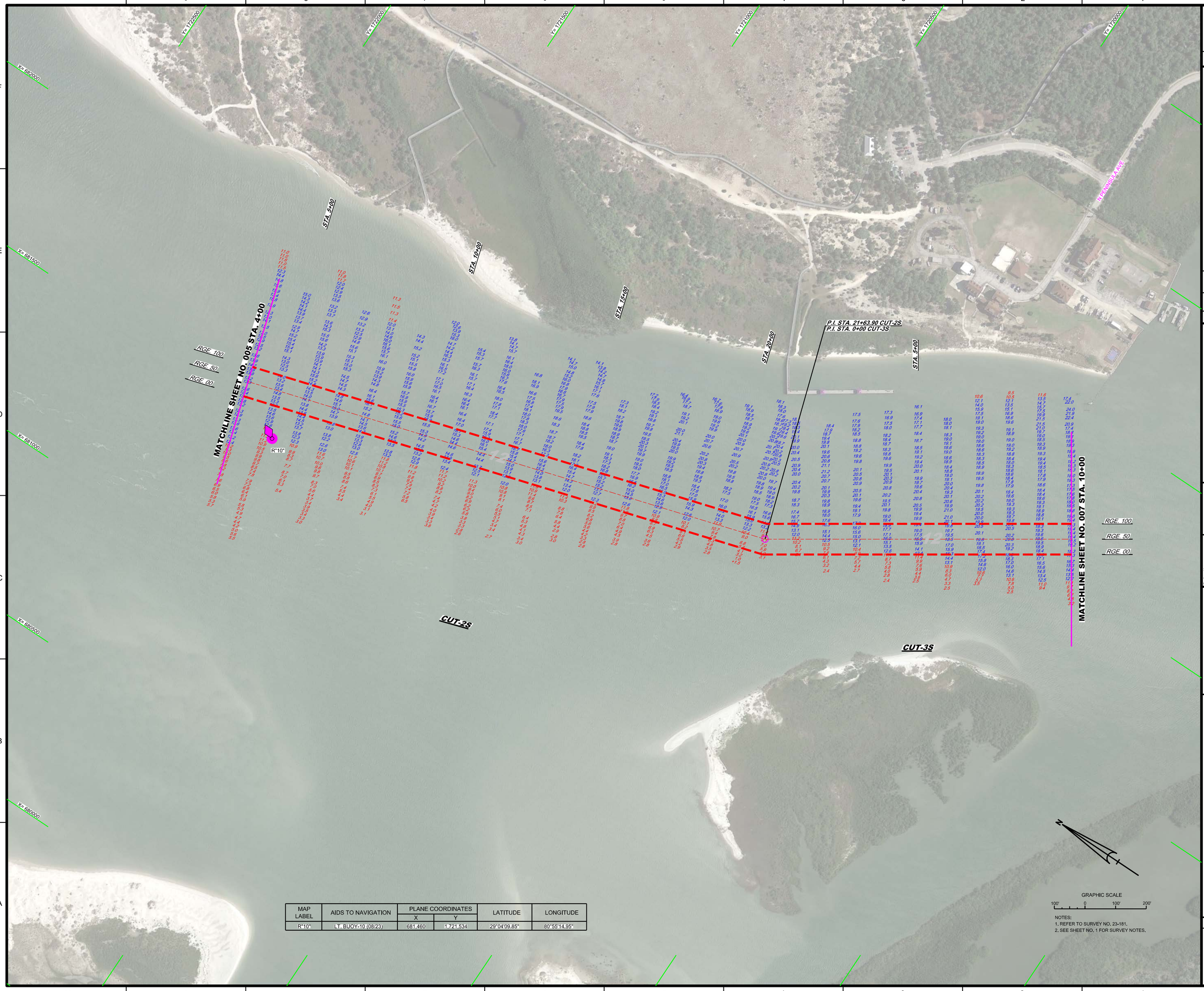
PLAN

Scale: AS SHOWN

Drawing no.

5

SHEET 05 OF 11



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"10"	LT. BUOY-10 (08/23)	681,460	1,721,534	29°04'09.85"	80°55'14.95"

NOTES:
1. REFER TO SURVEY NO. 23-181.
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.: V6912EP-XX-XX-XXXX
Date: AUG 2023

23-181-NAVI.DGN
23-181-XS-SOUL_CUT-2S.DGN
23-181-XS-SOUL_C-2S-3J.DGN
PONCE INLET-C-NGMCDF_2017.DGN
23-181-C-BR-BRGR.DGN
Reference files
23-181-HH-006.DGN
File name:

PONCE DE LEON INLET
VOLUSIA COUNTY, FLORIDA

AFTER-DREDGE / EXAM SURVEY FY23
7 & 12-FOOT PROJECT

STA. 4+00 CUT-2S THRU STA. 10+00 CUT-3S

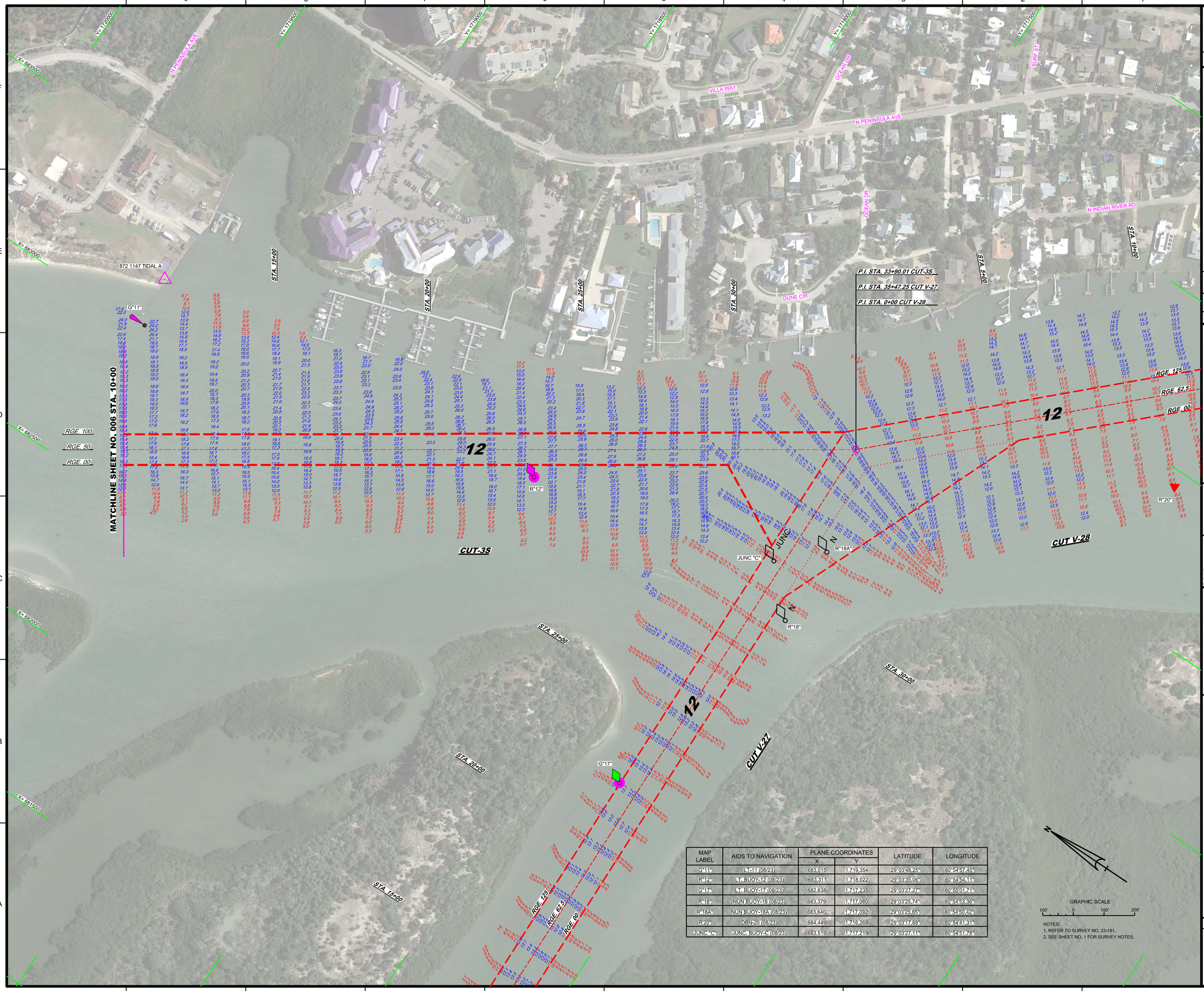
PLAN

Scale: AS SHOWN

Drawing no.

6

SHEET 06 OF 11



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"11"	LT-11 (08/23)	683,015	1,719,354	29° 03'48.25"	80° 54'57.45"
R"12"	LT. BUOY-12 (08/23)	683,311	1,718,022	29° 03'35.06"	80° 54'54.11"
G"17"	LT. BUOY-17 (08/23)	682,638	1,717,235	29° 03'27.27"	80° 55'01.71"
R"18"	NUN BUOY-18 (08/23)	683,379	1,717,080	29° 03'25.74"	80° 54'53.36"
R"18A"	NUN BUOY-18A (08/23)	683,640	1,717,092	29° 03'25.85"	80° 54'50.42"
R"20"	DBN-20 (08/23)	684,449	1,716,268	29° 03'17.68"	80° 54'41.31"
JUNC "C"	JUNC. BUOY-C (08/23)	683,519	1,717,219	29° 03'27.11"	80° 54'51.78"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 23-181.
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
Cad by: GMR
DWN by: WRM
Rev. No.: W912EP-XX-X-XXXX
Date: AUG 2023

Reference files:
23-181-VA-NAV.DGN
23-181-VCSOUN_C3S.DGN
23-181-VCSOUN_V27.DGN
23-181-VCSOUN_V28.DGN
NVAC-AGNICE.DGN
PONCE INLET-C-NGMCCF_2017.DGN
23-181-CASE-BRDR.DGN

File name: 23-181-VH-007.DGN

PONCE DE LEON INLET
VOLUSIA COUNTY, FLORIDA

AFTER-DREDGE / EXAM SURVEY FY23
7 & 12-FOOT PROJECT

STA. 10+00 THRU STA. 33+90.01 CUT-3S

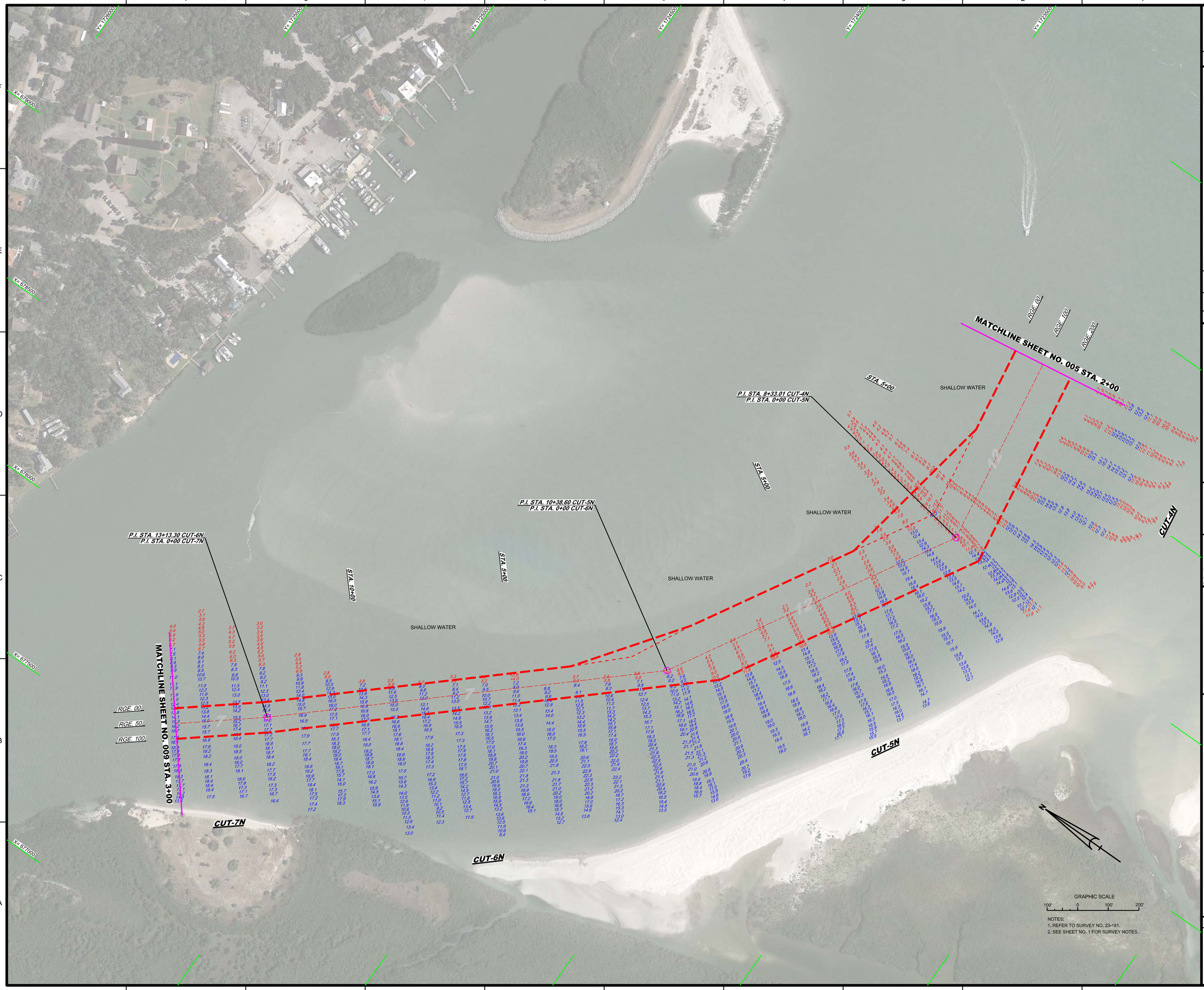
PLAN

Scale: AS SHOWN

Drawing no.

7

SHEET 07 OF 11



NOTES:
1. REFER TO SURVEY NO. 23-181.
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.: V6123EP-XX-XX-XXX
Date: AUG 2023

23-181-XA-SOUN_CAN.DGN
23-181-XA-SOUN_CIN.DGN
23-181-XA-SOUN_CTN.DGN
23-181-XA-SOUN_CTN.DGN
PONCE INLET-C-NGMCDF_2017.DGN
23-181-C-BR-BRDR.DGN
References files
23-181-XR-H08.DGN
File name:

PONCE DE LEON INLET
VOLUSIA COUNTY, FLORIDA

AFTER-DREDGE / EXAM SURVEY FY23
7 & 12-FOOT PROJECT

STA. 2+00 CUT-4N THRU STA. 3+00 CUT-7N

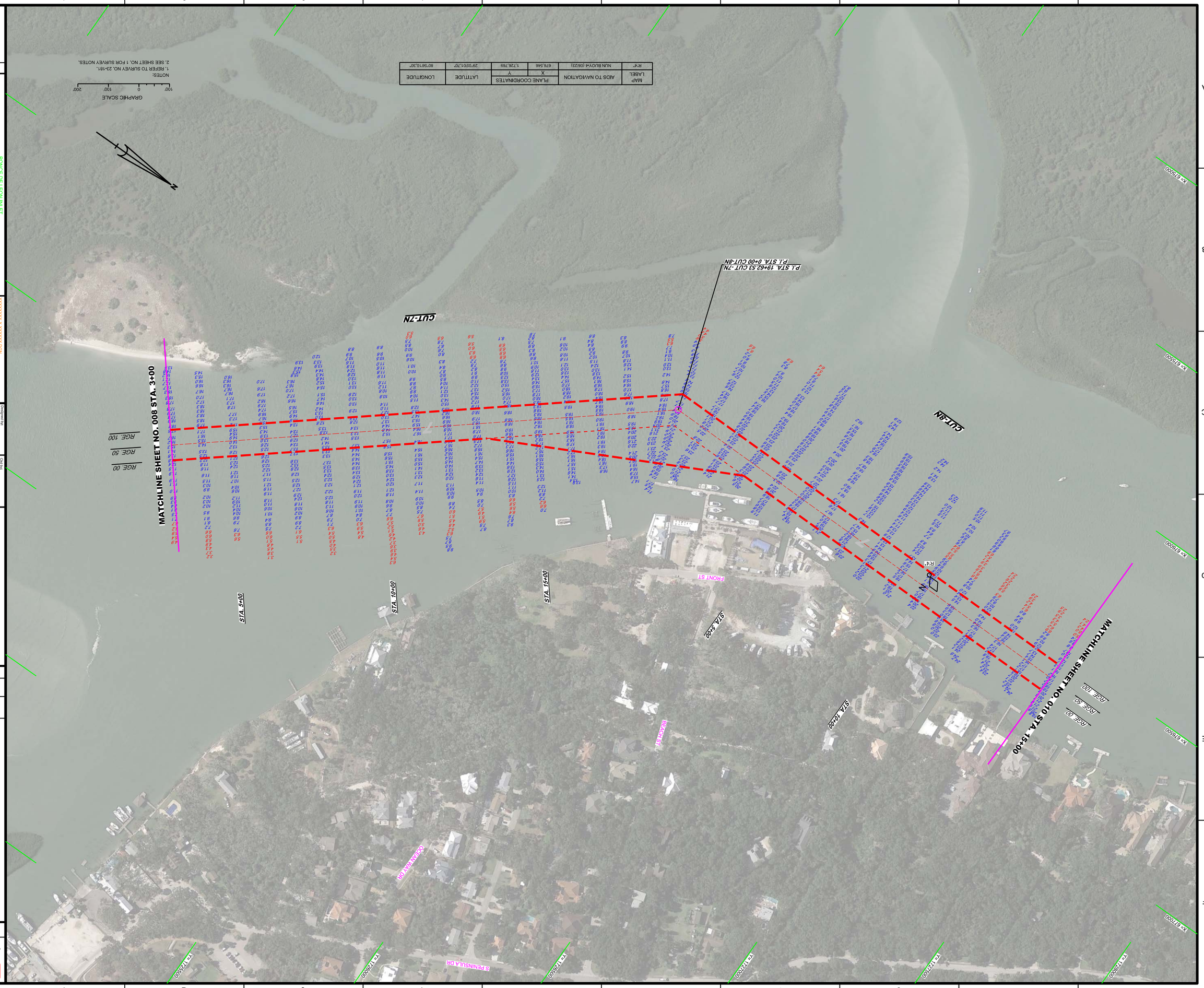
PLAN

Scale: AS SHOWN

Drawing no.

8

SHEET 08 OF 11



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R4*	NUN BUOY#4 (08/23)	676,546	1,726,769	29°05'01.70"	80°56'10.30"

DONNIE ZIEGLEON INLET
VOLUSIA COUNTY, FLORIDA

AFTER-DREDGE / EXAM SURVEY FY23
7 & 12-FOOT PROJECT

STA. 3+00 CUT-7N THRU STA. 15+00 CUT-8N

PLAN

File name:	
22-181-VH-000.DGN	XXXXXXXXXXXXXXXXXXXX.DGN
	XXXXXXXXXXXXXXXXXXXX.DGN
	XXXXXXXXXXXXXXXXXXXX.DGN
	23-181-MAN.DGN
	23-181-SCOUR_CON.DGN
	23-181-XS-DGN_CON.DGN
	PONCE INLET-CANGMCF_2017-DGN
Reference files:	22-181-C-BS-BRDR.DGN
	22-181-VH-000.DGN

Designed by:	WRM
Drawn by:	WRM
Checked by:	GMR
Trv. No.:	W912EP-XX-XXXXX
Date:	AUG 2023

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

No.	Symbol	Zone

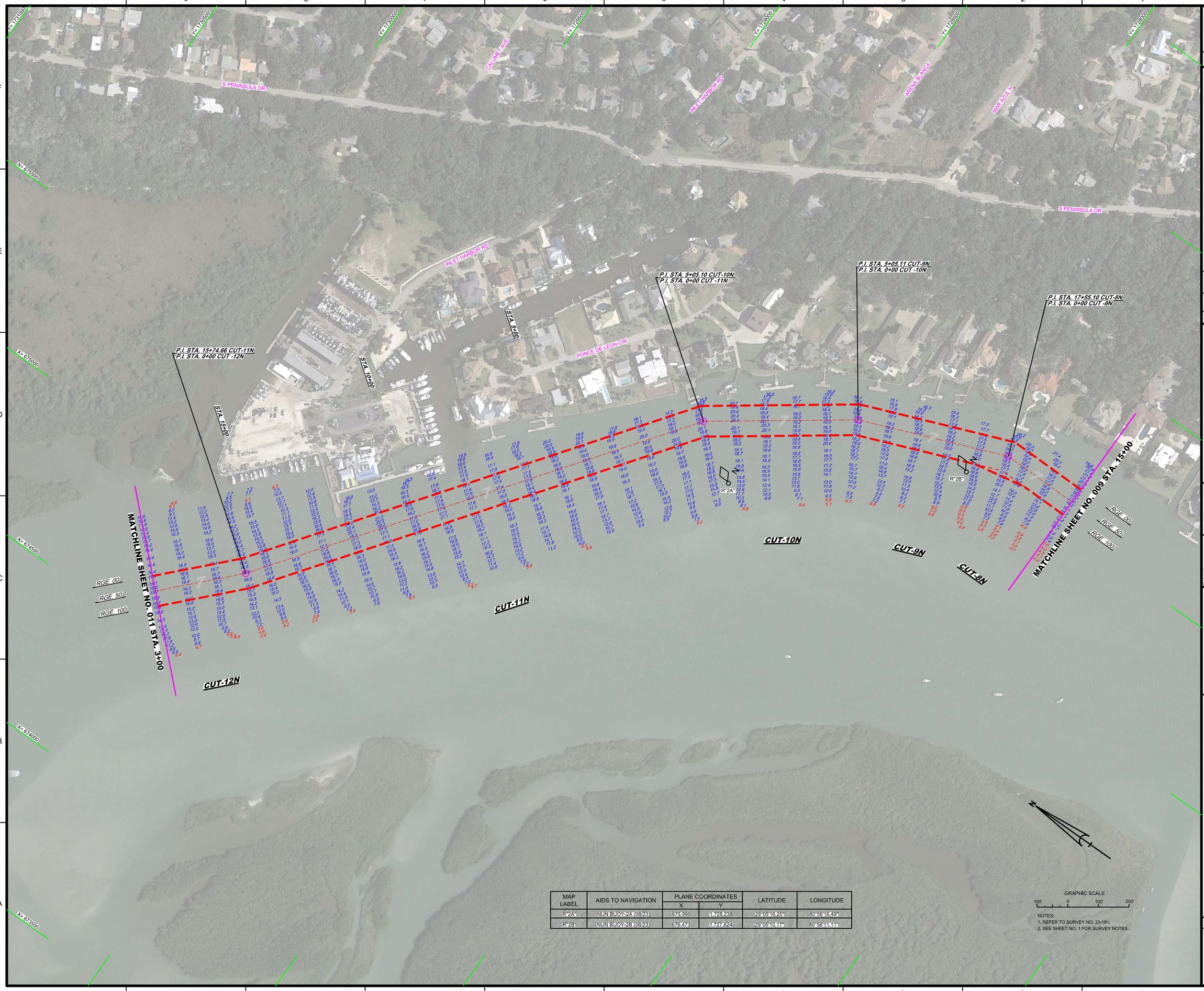
US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

Scale: AS SHOWN

Drawing no.
9

SHEET 09 OF 11



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"2A"	NUN BUOY-2A (08/23)	675,996	1,728,238	29°05'16.25"	80°56'16.49"
R"2B"	NUN BUOY-2B (08/23)	676,473	1,727,624	29°05'10.17"	80°56'11.11"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 23-181.
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
Fig. No. V6312EP-X-X-X-X-X-X
Date: AUG 2023

23-181-VA-SOUN_C12N.DGN
23-181-VA-SOUN_C11N.DGN
23-181-VA-SOUN_C10N.DGN
23-181-VA-SOUN_C9N.DGN
23-181-VA-SOUN_C8N.DGN
PONCE INLET-C-NGMCCF_2017.DGN
23-181-C-BR-BRDR.DGN
Reference files

23-181-VA-H10.DGN
File name:

PONCE DE LEON INLET
VOLUSIA COUNTY, FLORIDA

AFTER-DREDGE / EXAM SURVEY FY23
7 & 12-FOOT PROJECT

STA. 15+00 CUT-8N THRU STA. 3+00 CUT-12N

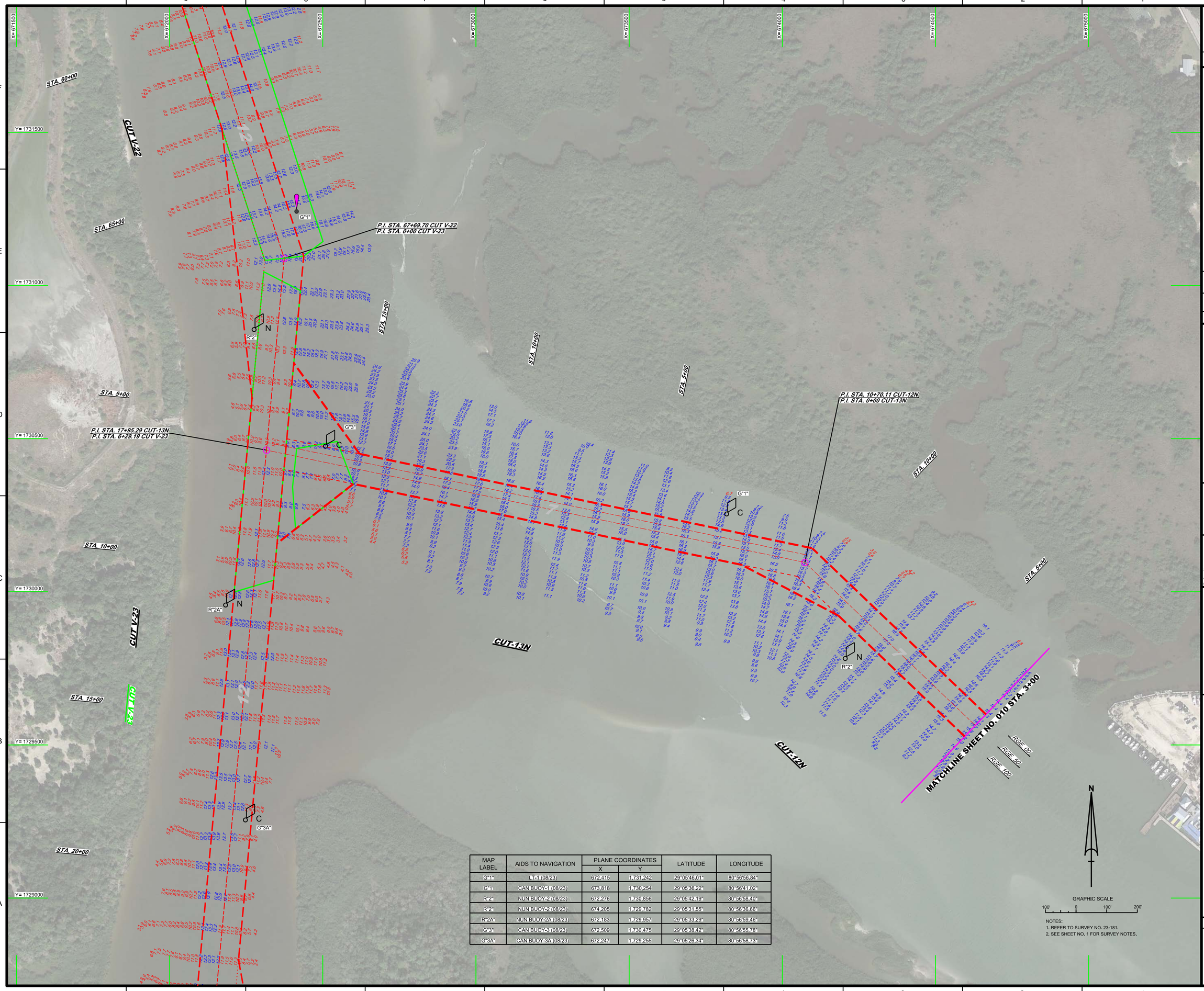
PLAN

Scale: AS SHOWN

Drawing no.

10

SHEET 10 OF 11



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"1"	LT-1 (08/23)	672,415	1,731,242	29°05'46.01"	80°56'56.84"
G"1	CAN BUOY-1 (08/23)	673,818	1,730,254	29°05'36.22"	80°56'41.02"
R"2"	NUN BUOY-2 (08/23)	672,276	1,730,856	29°05'42.19"	80°56'58.40"
R"2"	NUN BUOY-2 (08/23)	674,205	1,729,782	29°05'31.55"	80°56'36.66"
R"2A"	NUN BUOY-2A (08/23)	672,183	1,729,957	29°05'33.29"	80°56'59.46"
G"3"	CAN BUOY-3 (08/23)	672,509	1,730,475	29°05'38.42"	80°56'55.78"
G"3A"	CAN BUOY-3A (08/23)	672,247	1,729,255	29°05'26.34"	80°56'58.73"

NOTES:
1. REFER TO SURVEY NO. 23-181.
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.: V6123EP-XX-XX-XX
Date: AUG 2023

23-181-XAS-SOUN.DGN
23-181-XAS-SOUN_C12N.DGN
23-181-XAS-SOUN_C13N.DGN
23-181-XAS-SOUN_V22.DGN
23-181-XAS-SOUN_V23.DGN
IWW-CAGMCCF.DGN
PONCE INLET-CAGMCCF_2017.DGN
23-181-XB-BRDR.DGN
Reference files

23-181-XHS11.DGN
File name:

PONCE DE LEON INLET
VOLUSIA COUNTY, FLORIDA

AFTER-DREDGE / EXAM SURVEY FY23
7 & 12-FOOT PROJECT

STA. 3+00 CUT-12N THRU STA. 17+95.29 CUT-13N

PLAN

Scale: AS SHOWN

Drawing no.

11

SHEET 11 OF 11