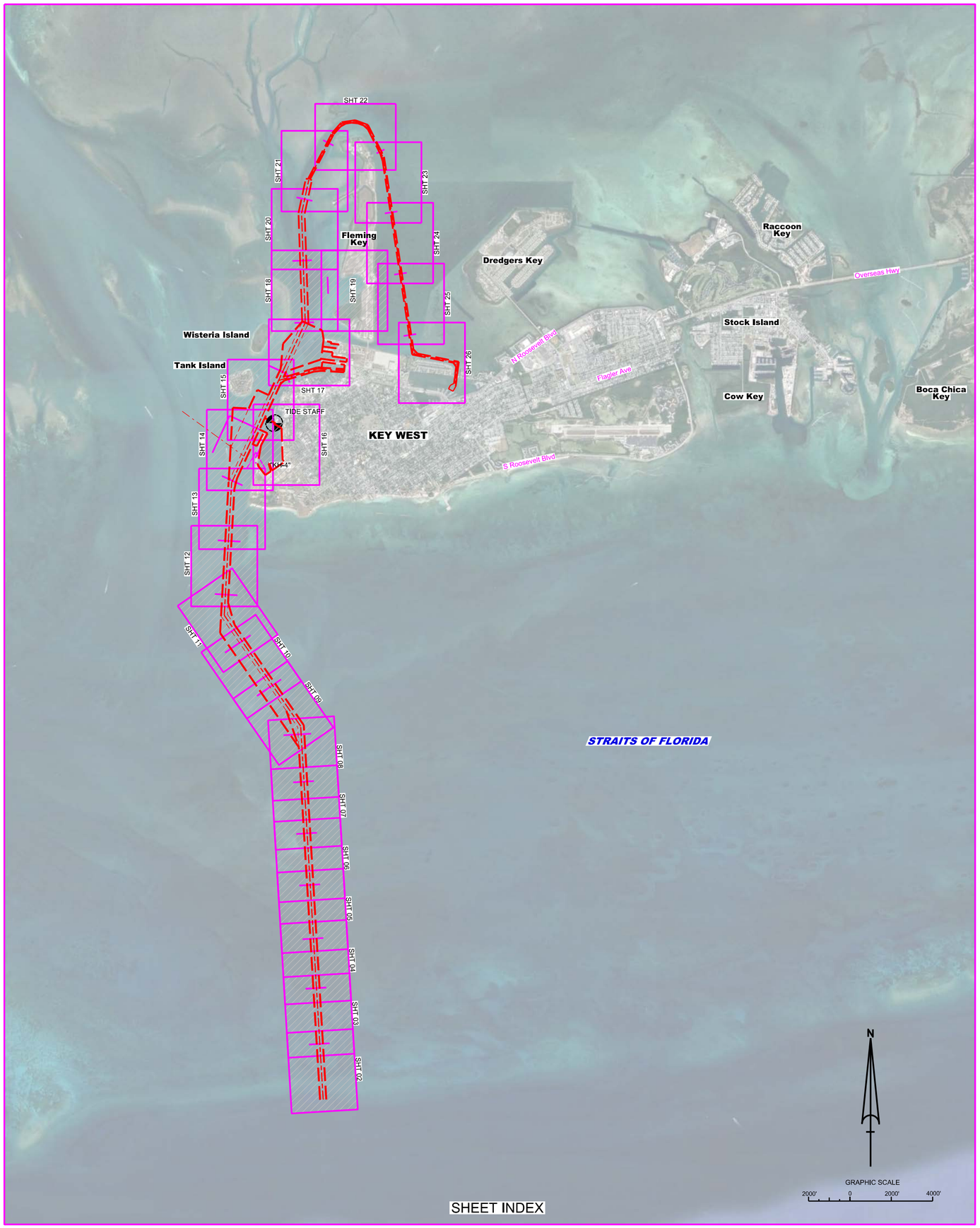
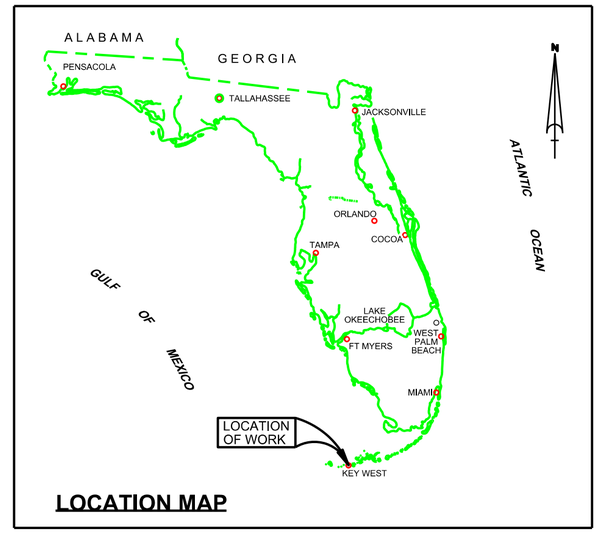




LOCATION MAP

KEY WEST HARBOR
MONROE COUNTY, FLORIDA
NAVY PROJECT EXAM SURVEY FY23
26, 30, 34, 35 AND 36-FOOT PROJECT

LEGEND	
△	BENCHMARK
	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. 23-139.
2. ELEVATIONS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER (MLLW) TIDAL DATUM.
3. TIDAL REDUCTIONS WERE OBTAINED UTILIZING REAL-TIME KINEMATIC (RTK) GPS AND REFERENCED TO MLLW UTILIZING A HYPACK KINEMATIC TIDE DATUM (KTD) MODEL. KTD FILE NAME IS: "BROWARD-MIAMIDADE-MONROE-COLLIER_2018 05 02.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 THE CURRENT REALIZATION OF THE NORTH AMERICAN DATUM OF 1983 (NAD83), BASED ON THE NOAA NATIONAL SPATIAL REFERENCE SYSTEM (NSRS).
6. ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
7. DEPTHS DEPICTED BY THIS SURVEY ARE REFERENCED TO MLLW, TIDAL EPOCH 1983-2001, AS REPORTED BY THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA). A MODIFIED VERSION OF NOAA'S VDATUM MODEL WAS USED TO CALIBRATE TO THE PUBLISHED MLLW HEIGHTS OF THE BENCHMARKS BELOW:

   NOAA TIDAL STATION 872-4580, KEY WEST, FLORIDA (PID: AA1753)
8. THIS SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC (RTK) GPS POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATION:

   REFERENCE BASE LOCATED AT "KH-04" (PID: BBCF03)
9. VERTICAL MEASUREMENTS WERE MADE USING A R2SONIC 2026 MULTI-BEAM SYSTEM OPERATING AT 240 KHZ AND A ROSS SMART SOUNDER 835C DUAL-FREQUENCY SOUNDER WITH A 28/200 KHZ SINGLE-BEAM TRANSDUCER. ALL SOUNDINGS SHOWN ARE IN HIGH FREQUENCY. A SEPARATE MAP SHEET OF TRUMAN HARBOR IS INCLUDED AND THE SOUNDINGS SHOWN ON IT ARE IN LOW FREQUENCY.

VESSEL	DATE OF SURVEY	CUT
SB-52	19 AUG 2023	MAIN SHIP CHANNEL, CUT-A
SB-52	20 AUG 2023	CUT-B, CUT-C
SB-52	21 AUG 2023	TURNING BASIN, USCG DOCKS, KEY WEST BIGHT CUTS
SB-52	22 AUG 2023	TRUMAN HBR SINGLE-BEAM
SB-52	23 AUG 2023	AMMO WHARF, MAN OF WAR CUT

10. AIDS TO NAVIGATION WERE LOCATED DURING THIS SURVEY.
11. 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.
12. 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 AND EM 1110-2-6056, STANDARDS AND PROCEDURES FOR REFERENCING PROJECT ELEVATION GRADES TO NATIONWIDE VERTICAL DATUMS, 30 NOV 2013.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

Designed by: MRM
Drawn by: MRM
Chk'd by: GMR
Proj. No. W912EP-XX-X-XXXX
Dated: AUG 2023

XXXXXXXX-XXXXX.DGN
XXXXXXXX-XXXXX.DGN
XXXXXXXX-XXXXX.DGN
XXXXXXXX-XXXXX.DGN
XXXXXXXX-XXXXX.DGN
KWH_CHN.DGN
KEY WEST HARBOR2C-NGMCCF-SOW-3D.DGN
KEY WEST HARBOR.DGN
25-139-KH-BRK.DGN
References files:
25-139-HH001.DGN
File name:

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

KEY WEST HARBOR
MONROE COUNTY, FLORIDA

NAVY PROJECT EXAM SURVEY FY23
26, 30, 34, 35 & 36-FOOT PROJECT

INDEX, LOCATION AND VICINITY

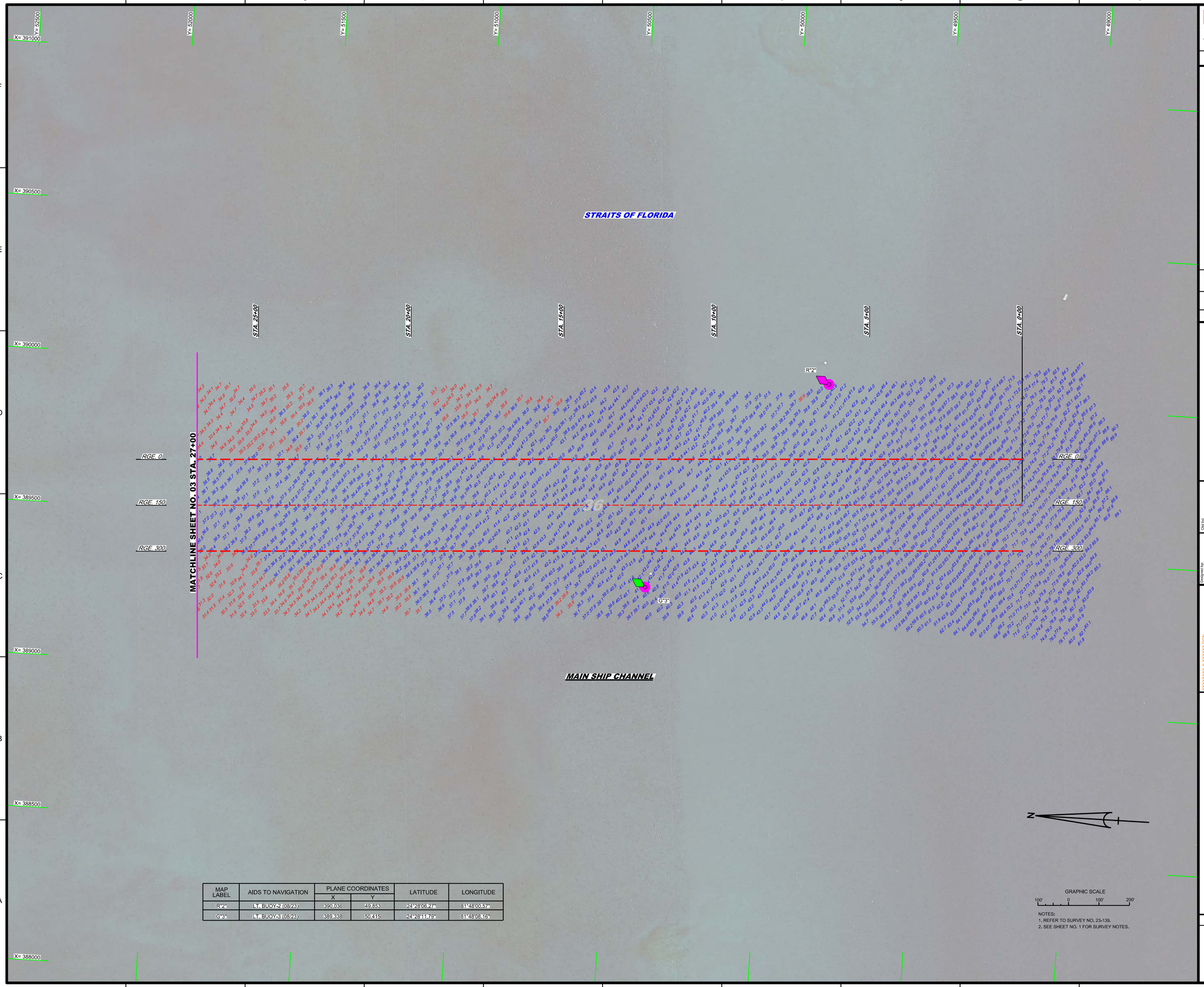
MAP

Scale: AS SHOWN

Drawing no.

1 / 19

SHEET 01 OF 26



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES X	PLANE COORDINATES Y	LATITUDE	LONGITUDE
R"2"	LT. BUOY-2 (08/23)	390,036	49,853	24°28'06.27"	81°48'00.57"
G"3"	LT. BUOY-3 (08/23)	389,338	50,415	24°28'11.79"	81°48'08.16"

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 23-139.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

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

No.	By/Initial	Zone

Designed by: WRM
Drawn by: WRM
Checked by: CMR
Rev. No. 1991283**-XX-X-XXXX
Date: AUG 2023

X:\XXXXXXx-XXXXX.DGN
X:\XXXXXXx-XXXXX.DGN
X:\XXXXXXx-XXXXX.DGN
XXXXXXXXx-XXXXX.DGN
XXXXXXXXx-XXXXX.DGN
23-139-SOUN_ALL_35SORT.DGN
KEY WEST HARBORC-NGMOCF-SOW-3D.DGN
23-139HPE-SHERDR.DGN
Reference files:
23-139VHN02.DGN
File names:

KEY WEST HARBOR
MONROE COUNTY, FLORIDA

NAVY PROJECT EXAM SURVEY FY23
26, 30, 34, 35 & 36-FOOT PROJECT

STA. 0+00 THRU STA. 27+00 MAIN SHIP CHANNEL

PLAN

Scale: AS SHOWN

Drawing no.
2 / 19

SHEET 02 OF 26

10 9 8 7 6 5 4 3 2 1

F E D C B A

Y= 55000 Y= 54500 Y= 54000 Y= 53500 Y= 53000 Y= 52500 Y= 52000 Y= 51500

X= 390500 X= 390000 X= 389500 X= 389000 X= 388500 X= 388000

STRAITS OF FLORIDA

STA. 50+00 STA. 45+00 STA. 40+00 STA. 35+00 STA. 30+00

MATCHLINE SHEET NO. 04 STA. 54+00

MATCHLINE SHEET NO. 02 STA. 27+00

RGE. 0 RGE. 150 RGE. 300

MAIN SHIP CHANNEL

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 23-139.
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
Drawn by: MRM
Checked by: CMR
Rev. No. YYQ1QTR-XX-X-XXXX
Date: AUG 2023

X:\XXXXXXx-XXXXX.DGN
X:\XXXXXXx-XXXXX.DGN
X:\XXXXXXx-XXXXX.DGN
X:\XXXXXXx-XXXXX.DGN
X:\XXXXXXx-XXXXX.DGN
23-139-SOUN_ALL_365SRT.DGN
KEY WEST HARBORC-NGMCSF-SDW-3D.DGN
23-139-HPE-SHEREN.DGN
Reference files:
23-139-VH003.DGN
File names:

KEY WEST HARBOR
MONROE COUNTY, FLORIDA

NAVY PROJECT EXAM SURVEY FY23
26, 30, 34, 35 & 36-FOOT PROJECT

STA. 27+00 THRU STA. 54+00 MAIN SHIP CHANNEL

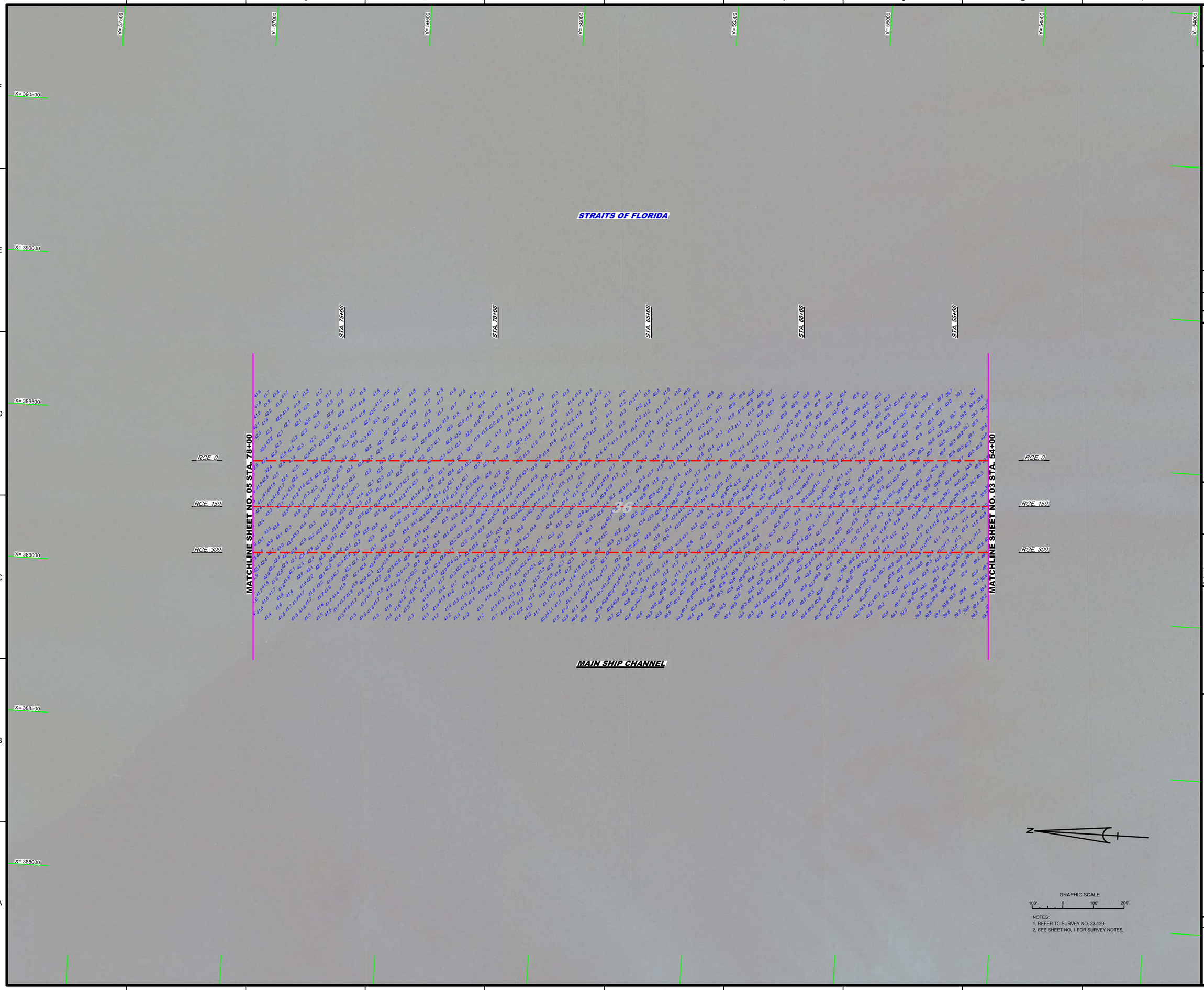
PLAN

Scale: AS SHOWN

Drawing no.

3 / 19

SHEET 03 OF 26



US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

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

Designed by: MRM
Drawn by: MRM
Chk'd by: GMR
Proj. No.: W912EP-XX-X-XXXX
Dated: AUG 2023

XXXXXXXX-X-XXXX.DGN
XXXXXXXX-A-XXXX.DGN
XXXXXXXX-XXXXXX.DGN
XXXXXXXX-A-XXXX.DGN
XXXXXXXX-A-XXXX.DGN
23-139A-SOUN_ALL_35SORT.DGN
KEY WEST HARBOR-C-ENGMDCF-SOW-3D.DGN
25-139-BRDR.DGN
Reference files:
25-139-VH004.DGN
File name:

KEY WEST HARBOR
MONROE COUNTY, FLORIDA

NAVY PROJECT EXAM SURVEY FY23
26, 30, 34, 35 & 36-FOOT PROJECT

STA. 54+00 THRU STA. 78+00 MAIN SHIP CHANNEL

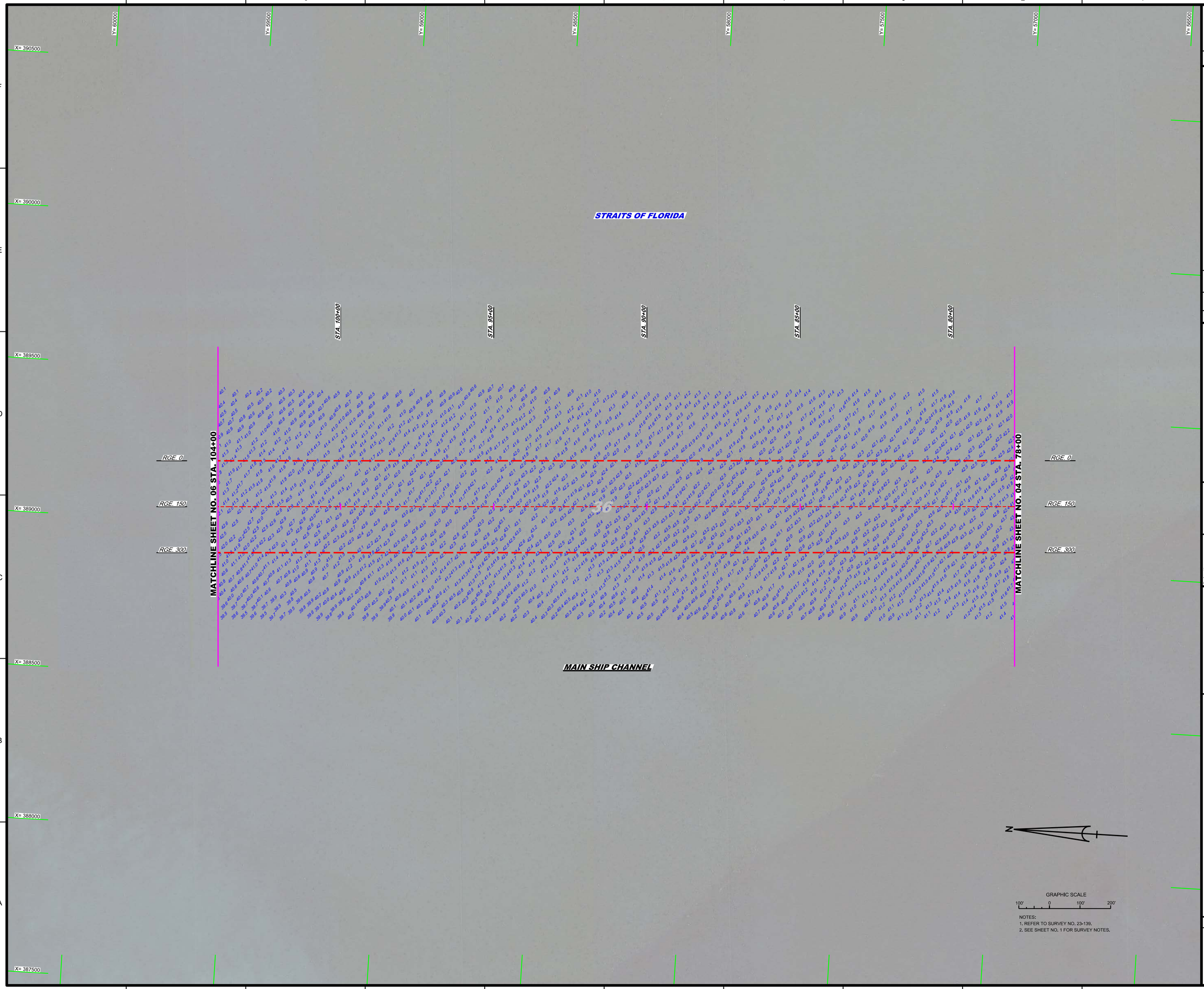
PLAN

Scale: AS SHOWN

Drawing no.

4 / 19

SHEET 04 OF 26



GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 23-139.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	By/Initial	Zone

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

Designed by: MRM
Drawn by: MRM
Checked by: CMR
Rev. No. Y9123EP-XX-XX-XXXX
Dated: AUG 2023

XXXXXXXX-XXXXX.DGN
XXXXXXXX-XXXXX.DGN
XXXXXXXX-XXXXX.DGN
XXXXXXXX-XXXXX.DGN
XXXXXXXX-XXXXX.DGN
23-139-SOUN_ALL_36SORT.DGN
KEY WEST HARBORC-NGMOCF-SDW-3D.DGN
23-139HPESHDRL.DGN
Reference files:
23-139-VH005.DGN
File names:

KEY WEST HARBOR
MONROE COUNTY, FLORIDA

NAVY PROJECT EXAM SURVEY FY23
26, 30, 34, 35 & 36-FOOT PROJECT

STA. 78+00 THRU STA. 104+00 MAIN SHIP CHANNEL

PLAN

Scale: AS SHOWN

Drawing no.

5 / 19

SHEET 05 OF 26

Y= 62500
Y= 62000
Y= 61500
Y= 61000
Y= 60500
Y= 60000
Y= 59500
Y= 59000

X= 390000
X= 389500
X= 389000
X= 388500
X= 388000
X= 387500

STRAITS OF FLORIDA

STA. 125+00
STA. 120+00
STA. 115+00
STA. 110+00
STA. 105+00

MATCHLINE SHEET NO. 06 STA. 129+00

MATCHLINE SHEET NO. 05 STA. 104+00

RGE. 0
RGE. 150
RGE. 300

G"3A"

MAIN SHIP CHANNEL

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"3A"	LT. BUOY-3A (08/23)	388,673	60,473	24°29'51.38"	81°48'15.99"

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 23-139.
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: CMR
Rev. No. 1991283-XX-X-XXXX
Dated: AUG 2023

X:\XXXXXXX-XXXXX.DGN
X:\XXXXXXX-XXXXX.DGN
X:\XXXXXXX-XXXXX.DGN
X:\XXXXXXX-XXXXX.DGN
23-139-A1-SOUN_ALL_35SORT.DGN
23-139-A1-SOUN_ALL_35SORT.DGN
KEY WEST HARBORC-NGMCSF-SOW-3D.DGN
23-139HOPE5HERDR.DGN
Reference files:
23-139VH006.DGN
File names:

KEY WEST HARBOR
MONROE COUNTY, FLORIDA

NAVY PROJECT EXAM SURVEY FY23
26, 30, 34, 35 & 36-FOOT PROJECT
STA. 104+00 THRU STA. 129+00 MAIN SHIP CHANNEL

PLAN

Scale: AS SHOWN

Drawing no.
6 / 19

SHEET 06 OF 26

Y= 65000 Y= 64500 Y= 64000 Y= 63500 Y= 63000 Y= 62500 Y= 62000 Y= 61500

X= 390000 X= 389500 X= 389000 X= 388500 X= 388000 X= 387500

STRAITS OF FLORIDA

STA. 150+00 STA. 145+00 STA. 140+00 STA. 135+00 STA. 130+00

MATCHLINE SHEET NO. 08 STA. 154+00

MATCHLINE SHEET NO. 06 STA. 129+00

RGE. 0 RGE. 150 RGE. 300

G"5"

MAIN SHIP CHANNEL

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"5"	LT. BUOY-5 (08/23)	388,474	64,519	24°30'31.46"	81°48'18.40"

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 23-139.
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

Chk'd by: GMR
Designed by: MRM
DWN by: MRM
Proj. No. W912EP-XX-X-XXXX
Dated: AUG 2023

XXXXXXXX-XXXXX.DGN
XXXXXXXX-XXXXX.DGN
XXXXXXXX-XXXXX.DGN
XXXXXXXX-XXXXX.DGN
XXXXXXXX-XXXXX.DGN
23-139A-SDUN_ALL_30SORT.DGN
KEY WEST HARBOR-NGMCCF-SOW-3D.DGN
Reference files:
25-139-HH07.DGN
File name:

KEY WEST HARBOR
MONROE COUNTY, FLORIDA

NAVY PROJECT EXAM SURVEY FY23
26, 30, 34, 35 & 36-FOOT PROJECT

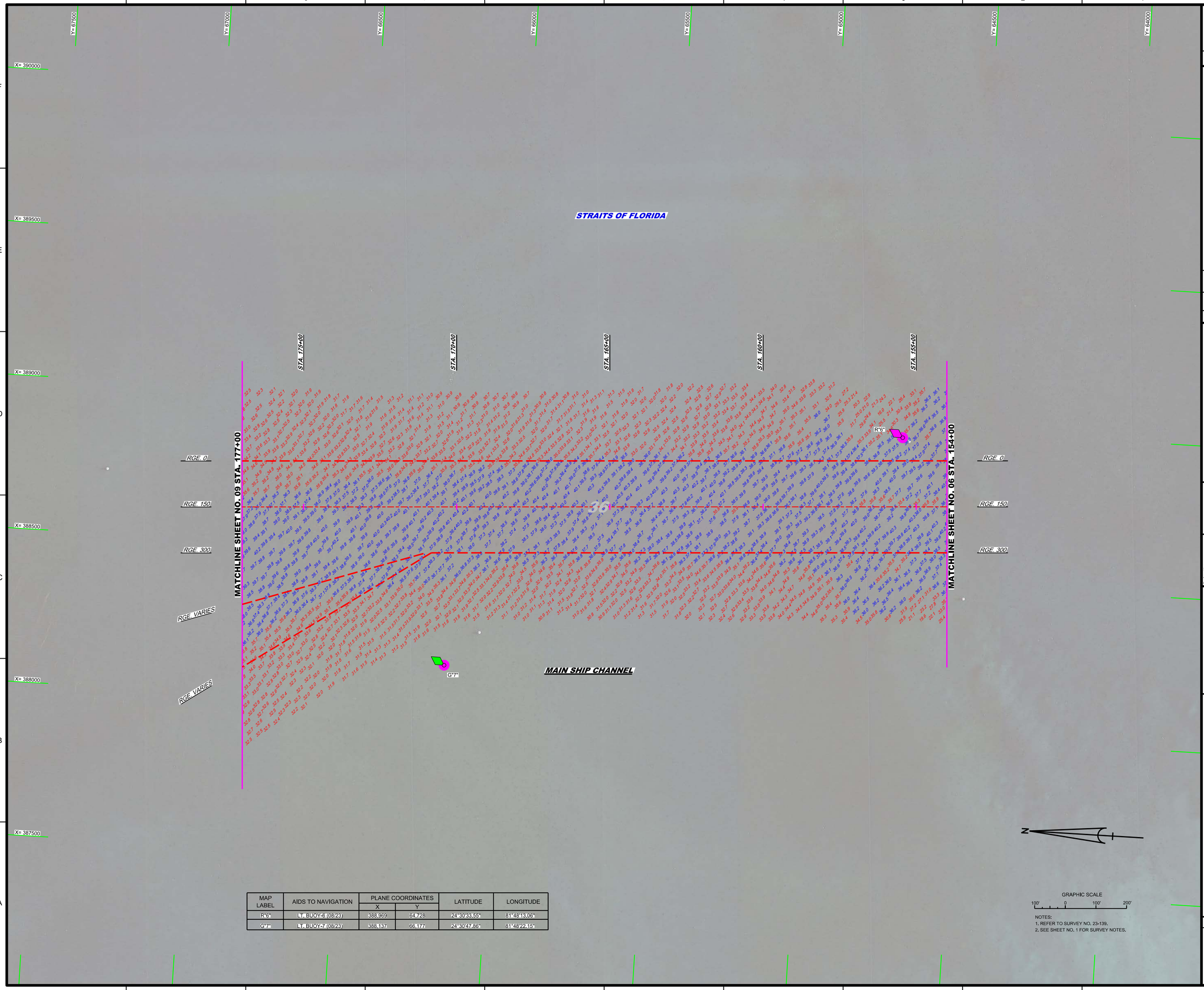
STA. 129+00 THRU STA. 154+00 MAIN SHIP CHANNEL

PLAN

Scale: AS SHOWN

Drawing no.
7 / 19

SHEET 07 OF 26



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES X	PLANE COORDINATES Y	LATITUDE	LONGITUDE
R"6"	LT. BUOY-6 (08/23)	388,969	64,728	24°30'33.55"	81°48'13.06"
G"7"	LT. BUOY-7 (08/23)	388,137	66,177	24°30'47.86"	81°48'22.15"

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 23-139.
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
Drawn by: MRM
Chk'd by: GMR
Proj. No.: W912EP-XX-X-XXXX
Dated: AUG 2023

XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-XXXXXX.LDGN
XXXXXXXX-XXXXXX.DGN
24-139A-SDUN_ALL_30SORT.DGN
24-139A-SDUN_ALL_30SORT.DGN
KEY WEST HARBOR-C-NGMCCF-S0OW-3D.DGN
25-139C-BB-BRDR.DGN
Reference files:
25-139-VHO08.DGN
File name:

KEY WEST HARBOR
MONROE COUNTY, FLORIDA

NAVY PROJECT EXAM SURVEY FY23
26, 30, 34, 35 & 36-FOOT PROJECT
STA. 154+00 THRU STA. 177+00 MAIN SHIP CHANNEL

PLAN

Scale: AS SHOWN

Drawing no.
8 / 19

SHEET 08 OF 26

Y= 70000
Y= 69500
Y= 69000
Y= 68500
Y= 68000
Y= 67500
X= 387500
X= 387000
X= 386500
X= 386000
X= 385500
STRAITS OF FLORIDA
STA. 20+00
STA. 15+00
STA. 10+00
STA. 5+00
P.I. STA. 180+92.01 MAIN SHIP CHANNEL
P.I. STA. 0+00 CUT-A
R"8"
MATCHLINE SHEET NO. 10 STA. 24+00
MATCHLINE SHEET NO. 08 STA. 177+00
RGE. 0
RGE. 150
RGE. 300
RGE. 800
RGE. VARIES
CUT-A
MAIN SHIP CHANNEL

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"8"	LT. BUOY-8 (08/23)	388,683	67,332	24°30'59.33"	81°48'16.32"

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 23-139.
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

Chk'd by: GMR
Designed by: WRM
DWN by: WRM
Proj. No.: W912EP-XX-X-XXXX
Dated: AUG 2023

XXXXXXXXX-X-XXXXXX.DGN
XXXXXXXXX-XXXXXX.DGN
XXXXXXXXX-X-XXXXXX.DGN
23-139-X-SDUN_ALL_30SORT.DGN
KEY WEST HARBOR-C-NGMCCP-SOW-3D.DGN
25-139-C-BPSHRDR.DGN
Reference files:
25-139-I-HH09.DGN
File name:

KEY WEST HARBOR
MONROE COUNTY, FLORIDA

NAVY PROJECT EXAM SURVEY FY23
26, 30, 34, 35 & 36-FOOT PROJECT

STA. 177+00 MAIN SHIP CHANNEL THRU STA. 24+00 CUT-A

PLAN

Scale: AS SHOWN

Drawing no.
9 / 19

SHEET 09 OF 26

STRAITS OF FLORIDA

Y= 72500 | Y= 72000 | Y= 71500 | Y= 71000 | Y= 70500 | Y= 70000 | Y= 69500

X= 386500 | X= 385500 | X= 385000 | X= 384500 | X= 384000

STA. 45+00 | STA. 40+00 | STA. 35+00 | STA. 30+00 | STA. 25+00

MATCHLINE SHEET NO. 11 STA. 50+00

MATCHLINE SHEET NO. 09 STA. 24+00

RGE. 0 | RGE. 150 | RGE. 300 | RGE. 800

CUT-A

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 23-139.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

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

Designed by: MRM
Drawn by: MRM
Checked by: GMR
Proj. No.: W912EP-XX-X-XXXX
Dates: AUG 2023

XXXXXXXXX-X-XXXXXX.DGN
XXXXXXXXX-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-XXXXXX.DGN
23-139A-SOUN_ALL_30SORT.DGN
KEY WEST HARBOR-C-NGMCCF-SOW-3D.DGN
25-139-HH-BR-BRDR.DGN
References files:
25-139-VH-010.DGN
File name:

KEY WEST HARBOR
MONROE COUNTY, FLORIDA

NAVY PROJECT EXAM SURVEY FY23
26, 30, 34, 35 & 36-FOOT PROJECT
STA. 24+00 THRU STA. 50+00 CUT-A

PLAN

Scale: AS SHOWN

Drawing no.
10 / 19

SHEET 10 OF 26



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES X	PLANE COORDINATES Y	LATITUDE	LONGITUDE
G"9"	LT. BUOY-9 (08/23)	384,636	71,710	24°31'42.46"	81°49'00.41"
R"12"	LT. BUOY-12 (08/23)	385,225	73,308	24°31'58.33"	81°48'54.13"

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 23-139.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	By/Initial	Date
		Zone

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

Designed by: MRM
DWN by: MRM
Chk by: CMR
Rev. No. 1991283-XX-X-XXXX
Dated: AUG 2023

XXXXXXXXX-X-XXXXXX.DGN
XXXXXXXXX-X-XXXXXX.DGN
23-139-SOUNDING_ALL_35SORT.DGN
23-139-VH011.DGN
KEY WEST HARBORC-NGMOCF-SOW-3D.DGN
23-139-CHPS-BRDPL.DGN
Reference files:
23-139-VH011.DGN
File names:

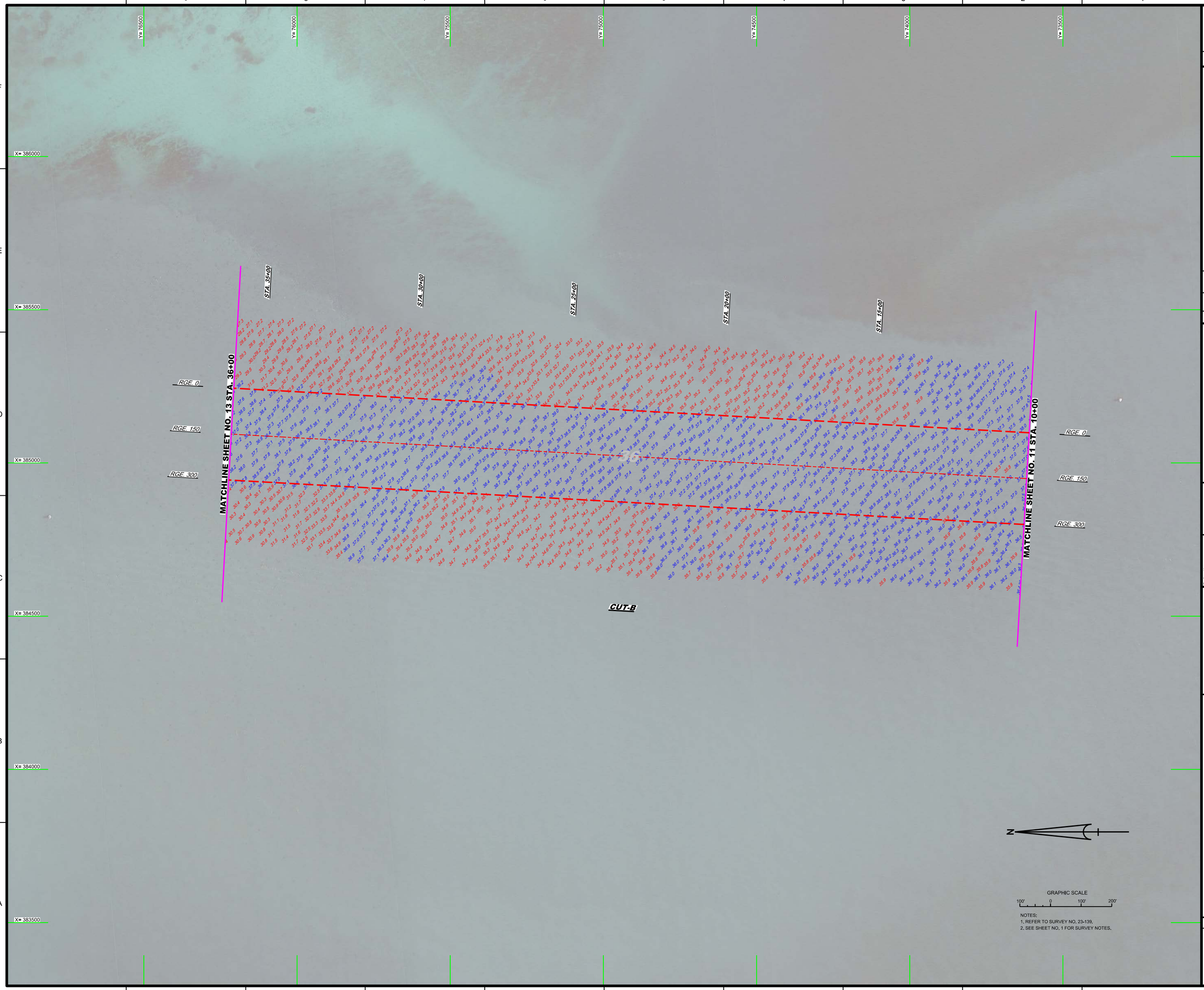
KEY WEST HARBOR
MONROE COUNTY, FLORIDA

NAVY PROJECT EXAM SURVEY FY23
26, 30, 34, 35 & 36-FOOT PROJECT
STA. 50+00 CUT-A THRU STA. 10+00 CUT-B
PLAN

Scale: AS SHOWN

Drawing no.
11 / 19

SHEET 11 OF 26



NOTES:
1. REFER TO SURVEY NO. 23-139.
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.: V91125P=XXX=XXXX
Dated: AUG 2023

XXXXXXXX=X=XXXXXX.DGN
XXXXXXXX=X=XXXXXX.DGN
XXXXXXXX=X=XXXXXX.DGN
23-139A=SOUN_ALL_35SORT.DGN
KEY WEST HARBOR=2=GMCF=SOW=3D.DGN
23-139C=EB=ERDR.DGN
Reference files:
23-139=VH912.DGN
Plot scales:

KEY WEST HARBOR
MONROE COUNTY, FLORIDA

NAVY PROJECT EXAM SURVEY FY23
26, 30, 34, 35 & 36-FOOT PROJECT

STA. 10+00 THRU STA. 36+00 CUT-B

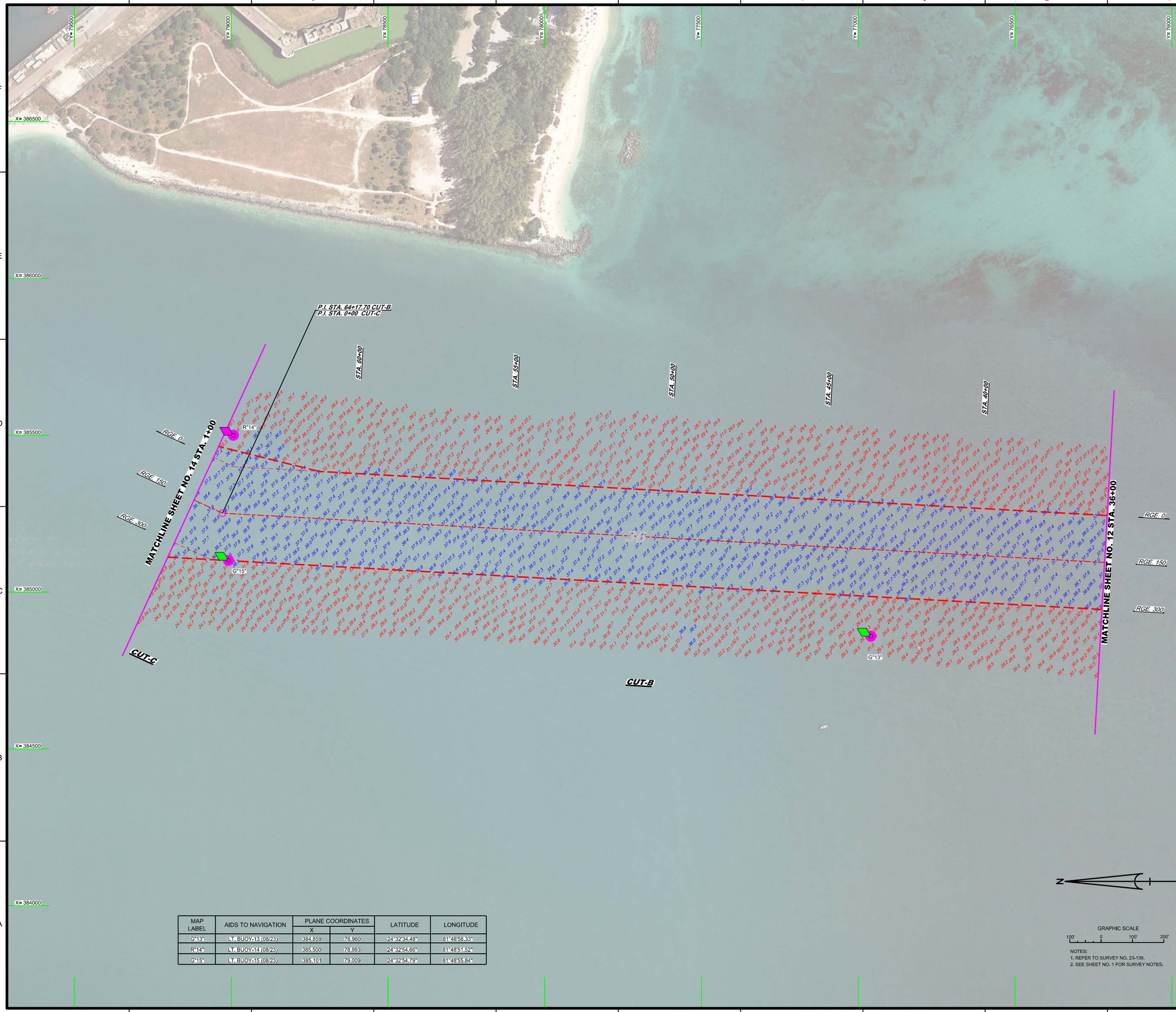
PLAN

Scale: AS SHOWN

Drawing no.

12 / 19

SHEET 12 OF 26



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES X	PLANE COORDINATES Y	LATITUDE	LONGITUDE
G"13"	LT. BUOY-13 (08/23)	384,859	76,960	24°32'34.48"	81°48'58.33"
R"14"	LT. BUOY-14 (08/23)	385,500	78,993	24°32'54.66"	81°48'51.52"
G"15"	LT. BUOY-15 (08/23)	385,101	79,009	24°32'54.79"	81°48'55.84"

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 23-139.
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
Drawn by: MRM
Checked by: CMR
Rev. No. V91923FP-XXX-XX-XXXX
Dated: AUG 2023

XXXXXXXX-X-XXXXXX.DGN
23-139-ALL-XXXX.DGN
23-139-V-SOUN_ALL_35SORT.DGN
KEY WEST HARBORC-NGMOCF-SOW-3D.DGN
23-139-HS-SHEREAL.DGN
Reference files:
23-139-VH013.DGN
File names:

KEY WEST HARBOR
MONROE COUNTY, FLORIDA

NAVY PROJECT EXAM SURVEY FY23
26, 30, 34, 35 & 36-FOOT PROJECT

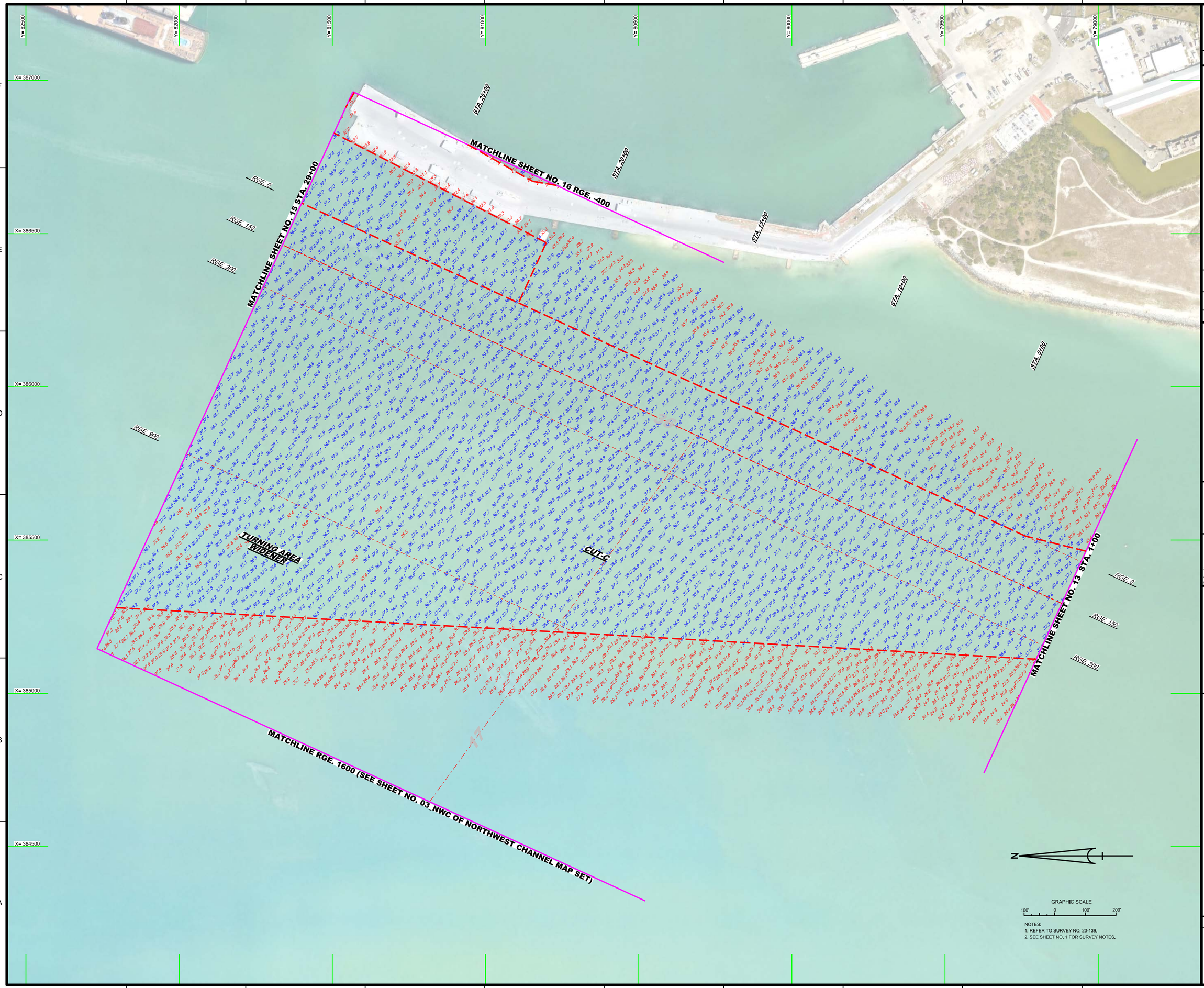
STA. 36+00 CUT-B THRU STA. 1+00 CUT-C

PLAN

Scale: AS SHOWN

Drawing no.
13 / 19

SHEET 13 OF 26



NOTES:
1. REFER TO SURVEY NO. 23-139.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

Designed by: MRM
Drawn by: MRM
Chk'd by: CMR
Proj. No.: W912EP-XX-X-XXXX
Dated: AUG 2023

XXXXXXXX-X-XXXXXX.DGN
23-139-ASCII_ALL_3DSORT.DGN
KEY WEST HARBOR-C-NGMCCP-SOW-3D.DGN
23-139-C-BS-RPDR.DGN
Reference files:
23-139-PH-01.DGN
File name:

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

KEY WEST HARBOR
MONROE COUNTY, FLORIDA

NAVY PROJECT EXAM SURVEY FY23
26, 30, 34, 35 & 36-FOOT PROJECT

STA. 1+00 THRU STA. 29+00 CUT-C

PLAN

Scale: AS SHOWN

Drawing no.

14 / 19

SHEET 14 OF 26

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"17"	LT. BUOY-17 (08/23)	385,249	82,742	24°33'31.78"	81°48'54.48"
G"19"	LT. BUOY-19 (08/23)	386,096	82,736	24°33'31.78"	81°48'45.31"
G"23"	LT. BUOY-23 (08/23)	387,083	83,262	24°33'37.04"	81°48'34.65"

MATCHLINE SHEET NO. 17 STA. 5+00

MATCHLINE SHEET NO. 17 STA. 59+00

KEY WEST BIGHT CUT-1

P.I. STA. 54+43.67 CUT-C

P.I. STA. 0+00 KEY WEST BIGHT CUT-1

CUT-C

TURNING AREA WIDENER

MATCHLINE SHEET NO. 16 RGE. -400

MATCHLINE SHEET NO. 14 STA. 29+00

Tank Island

Sunset Key Dr

Oxval St

Wall St

Front St

Admirals Ln

Front St

RGE. 150

RGE. 75

RGE. 0

RGE. 300

RGE. 900

RGE. -400

STA. 55+00

STA. 50+00

STA. 46+00

STA. 45+00

STA. 40+00

STA. 36+02.48

STA. 35+00

STA. 30+00

Y= 84500

Y= 84000

Y= 83500

Y= 83000

Y= 82500

Y= 82000

Y= 81500

X= 388000

X= 387500

X= 387000

X= 386500

X= 386000

X= 385500

G"17"

G"19"

G"23"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 23-139.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

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

Designed by: MRM
Drawn by: MRM
Checked by: GMR
Proj. No.: W912EP-XX-X-XXXX
Dates: AUG 2023

23-139-HANU.DGN
23-139-A-ZOOM_ALL_30SORT.DGN
KEY WEST HARBORC-NGMCCF.DGN
25-139-HB-BRDR.DGN
References - Files:
25-139-VH15.DGN
File name:

KEY WEST HARBOR
MONROE COUNTY, FLORIDA

NAVY PROJECT EXAM SURVEY FY23
26, 30, 34, 35 & 36-FOOT PROJECT

PLAN

STA. 29+00 THRU STA. 59+00 CUT-C

Scale: AS SHOWN

Drawing no.

15 / 19

SHEET 15 OF 26

10 9 8 7 6 5 4 3 2 1

F E D C B A

X= 389500 X= 389000 X= 388500 X= 388000 X= 387500 X= 387000 X= 386500

Y= 82500 Y= 82000 Y= 81500 Y= 81000 Y= 80500 Y= 80000 Y= 79500 Y= 79000

Simonton St
Eaton St
Duval St
Whitehead St
Caroline St
Telegraph Ln
Stewart Ln
Fitzpatrick St
Caroline St
Admirals Ln
Front St
Porter Ln
Southard St
Fleming St
Thomas St
Front St
Noatt Ln
E Quay Rd
Adams St
Chapman Ln
Patterson St
Baptist Ln
Caroline St
Duval St
Emma St
Truman Ave
Fort St
DeKalb Ave

TIDE STAFF

MATCHLINE SHEET NO. 15 RGE. -400

MATCHLINE SHEET NO. 14 RGE. -400

35

"KH-04"

N

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 23-139.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

Zone
Symbol
No.

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

Designed by: WRM
Drawn by: VRM
Cad by: CMR
Proj. No. X913SPX-XXX-XXXX
Date: AUG 2023

XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
23-139-X-SOUN_ALL_2050RT.DGN
KEY WEST HARBOR-C-NGMCSF-SOW-3D.DGN
23-139-OPEB+BRDR.DGN
Reference files:
23-139-VHD16.DGN
File name:

KEY WEST HARBOR
MONROE COUNTY, FLORIDA

NAVY PROJECT EXAM SURVEY FY23
26, 30, 34, 35 & 36-FOOT PROJECT

TRUMAN HARBOR

PLAN

Scale: AS SHOWN

Drawing no.

16 / 19

SHEET 16 OF 26



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
Drawn by: VRM
Proj. No. W912EP-XX-X-XXXX
Date: AUG 2023
Cad file: CMR

XXXXXXXX-XX-XXXXXX.DGN
XXXXXXXX-XX-XXXXXX.DGN
23-139-VHSOUN_TH_LF.DGN
23-139-CHDEPSHEET.DGN
Reference files:
23-139-VHHTR_LF.DGN
File name:

KEY WEST HARBOR
MONROE COUNTY, FLORIDA

NAVY PROJECT EXAM SURVEY FY23
26, 30, 34, 35 & 36-FOOT PROJECT
TRUMAN HARBOR
PLAN

Scale: AS SHOWN

Drawing no.
16

SHEET 16 OF 26

NOTES:
1. REFER TO SURVEY NO. 23-139.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"2"	LT-2 (08/23)	388,407	84,138	24°33'45.79"	81°48'20.36"
R"4"	LT-4 (08/23)	389,769	84,325	24°33'47.72"	81°48'05.69"
R"24"	LT. BUOY-24 (08/23)	387,940	84,418	24°33'48.54"	81°48'25.59"
G"25"	LT. BUOY-25 (08/23)	387,591	84,601	24°33'50.33"	81°48'29.23"
G"27"	LT-27 (08/23)	387,708	85,778	24°34'02.00"	81°48'28.04"
G"31"	DBN-31 (08/23)	389,692	86,483	24°34'09.10"	81°48'06.59"

MATCHLINE SHEET NO. 18 STA. 0+00

P.I. STA. 25+25 KEY WEST TURNING BASIN
P.I. STA. 0+00 MAN OF WAR CUT-1

X= 387500 X= 388000 X= 388500 X= 389000 X= 389500 X= 390000 X= 390500

Y= 86500 Y= 86000 Y= 85500 Y= 85000 Y= 84500 Y= 84000

STA. 20+00 STA. 15+00 STA. 10+00 STA. 5+00

Wisteria island

KEY WEST HARBOR TURNING BASIN

G"27" G"25" R"24" R"2" R"4" G"31"

P.I. STA. 60+00.03 CUT-C
P.I. STA. 0+00 KEY WEST T.B.

CUT-C

MATCHLINE SHEET NO. 15 STA. 59+00

MATCHLINE SHEET NO. 15 STA. 5+00

RGE. 30'

RGE. 15'

RGE. 0'

KEY WEST BIGHT CUT-1

P.I. STA. 19+58.12 KEY WEST BIGHT CUT-1
P.I. STA. 0+00 KEY WEST BIGHT CUT-2

KEY WEST BIGHT CUT-2

Peary Ct

Truman Rd

Mustin St

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 23-139.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

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

Designed by: MRM
Drawn by: MRM
Chk'd by: GMR
Proj. No.: W912EP-XX-X-XXXX
Dated: AUG 2023

23-139-HAN-V.DGN
23-139-X-ESOU_ALL_30SORT.DGN
KEY WEST HARBORC-NGMCCP-SOW-3D.DGN
25-139-HHW-BRDR.DGN
References files:
25-139-VHW17.DGN
File name:

KEY WEST HARBOR
MONROE COUNTY, FLORIDA

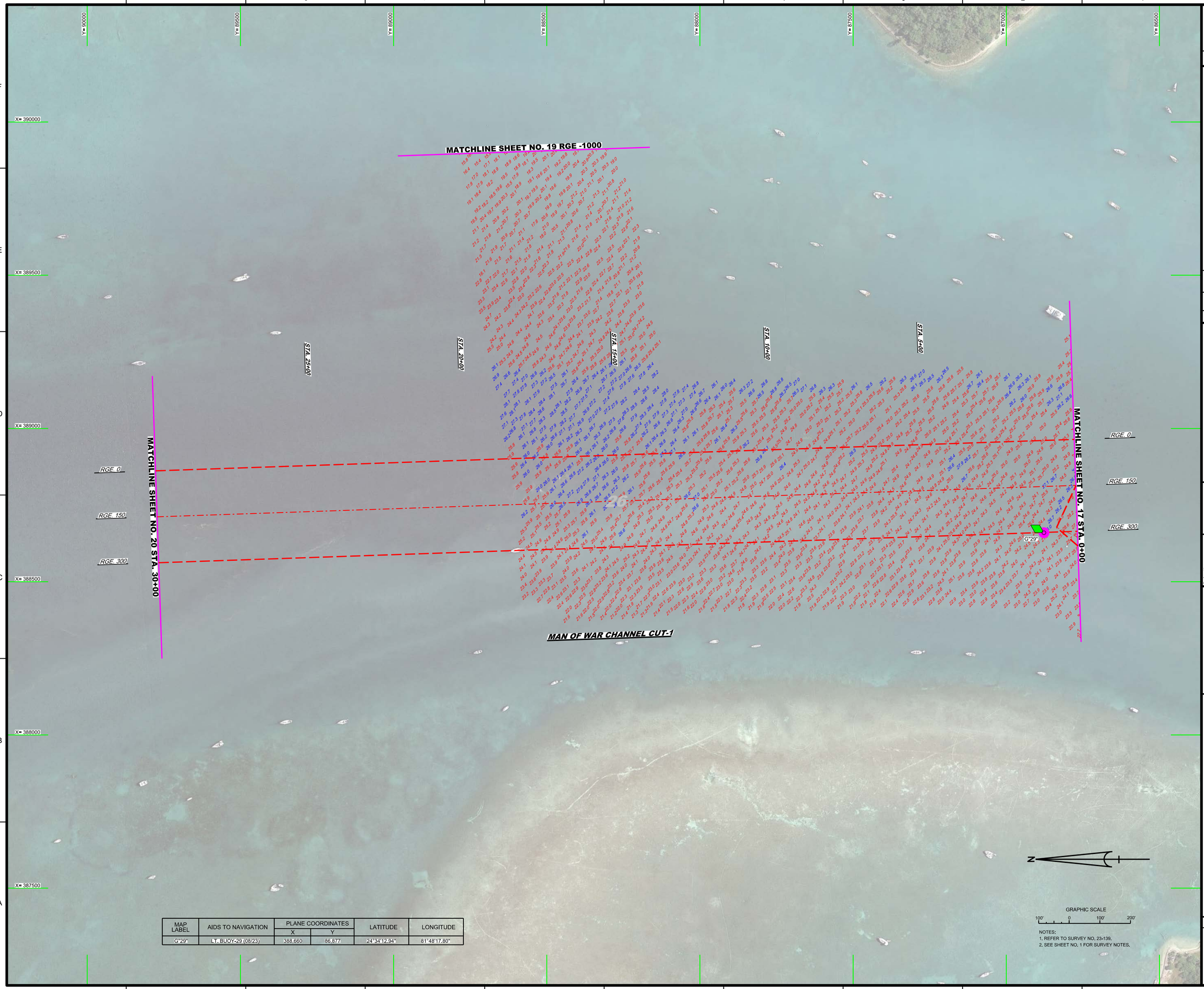
NAVY PROJECT EXAM SURVEY FY23
26, 30, 34, 35 & 36-FOOT PROJECT
KEY WEST HARBOR AND APPROACH CHANNEL, KEY WEST
BIGHT-1 THRU STA. 20+00, KEY WEST BIGHT TURNING BASIN
PLAN

STA. 59+00 TO STA. 20+00, KEY WEST BIGHT TURNING BASIN

Scale: AS SHOWN

Drawing no.
17 / 19

SHEET 17 OF 26



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"29"	LT. BUOY-29 (08/23)	388,660	86,877	24°34'12.94"	81°48'17.80"

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 23-139.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	By/Initial	Zone

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

Cad by: CMR
Designed by: WRM
DWN by: WRM
Rev. No. YYYY23FP-XX-X-XX-XXX
Date: AUG 2023

23-139A-NAV.DGN
23-139-A-SOUN_ALL_35SORT.DGN
KEY WEST HARBORC-NGMCSF-SOW-3D.DGN
23-139-HSBRDL.DGN
Reference files:

23-139-VH018.DGN
File names:

KEY WEST HARBOR
MONROE COUNTY, FLORIDA

NAVY PROJECT EXAM SURVEY FY23
26, 30, 34, 35 & 36-FOOT PROJECT

STA. 0+00 THRU STA. 30+00 MAN OF WAR CHANNEL CUT-1

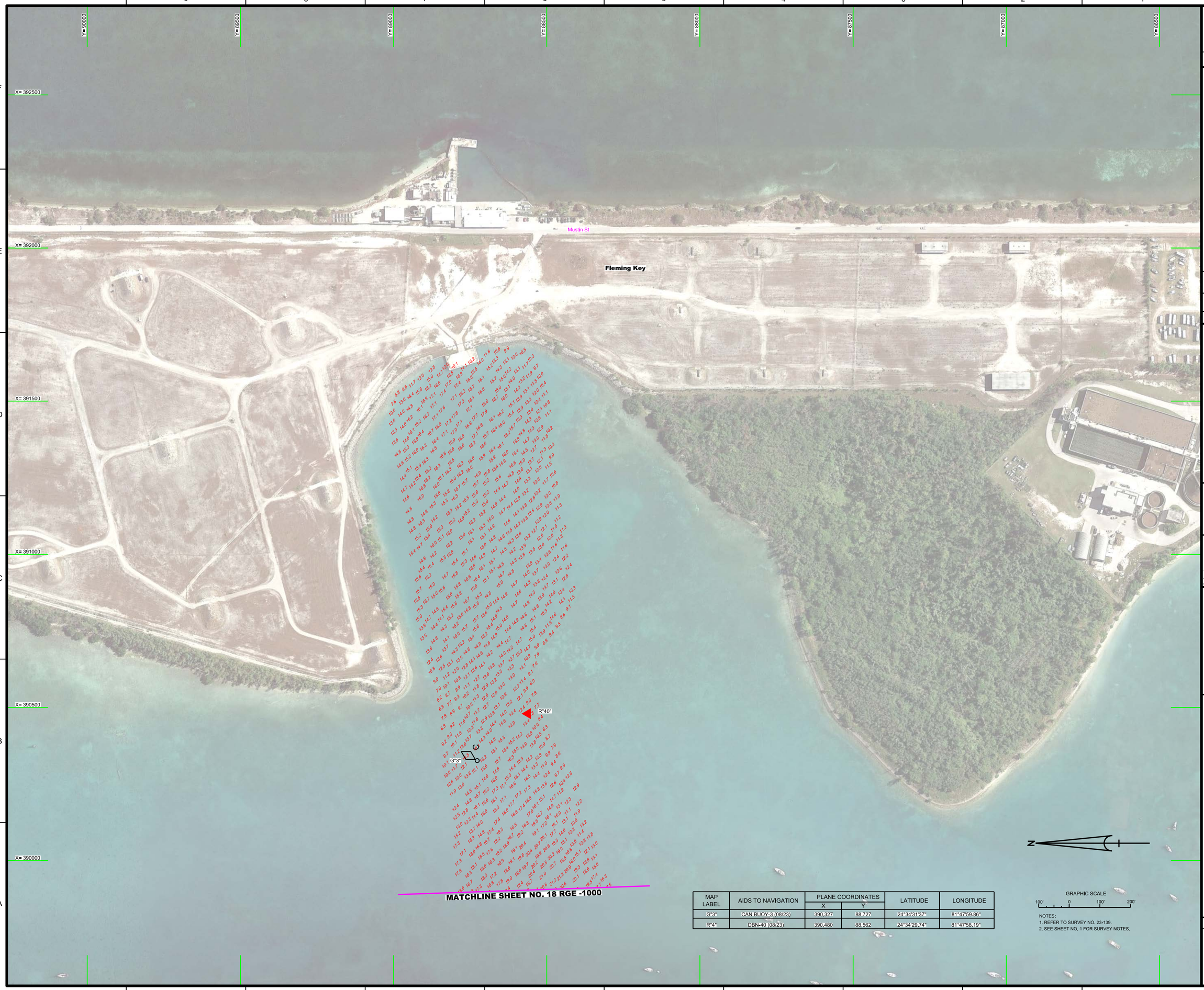
PLAN

Scale: AS SHOWN

Drawing no.

18 / 19

SHEET 18 OF 26



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"3"	CAN BUOY-3 (08/23)	390,327	88,727	24°34'31.37"	81°47'59.86"
R"4"	DBN-40 (08/23)	390,480	88,562	24°34'29.74"	81°47'58.19"

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 23-139.
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
Chk by: CMR
Rec. No. Y9123EP-XX-X-XXXX
Dated: AUG 2023

XXXXXXXX-XXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
XXXXXXX-XXXXXX.DGN
XXXXXXX-XXXXXX.DGN
23-139-NAVI.DGN
23-139V-SOUN_ALL_3SSORT.DGN
23-139VP-SHEL.DGN
Reference files:
23-139VH019.DGN
File names:

KEY WEST HARBOR
MONROE COUNTY, FLORIDA

NAVY PROJECT EXAM SURVEY FY23
26, 30, 34, 35 & 36-FOOT PROJECT

APPROACH TO AMMUNITION DOCK

PLAN

Scale: AS SHOWN

Drawing no.

19 / 19

SHEET 19 OF 26