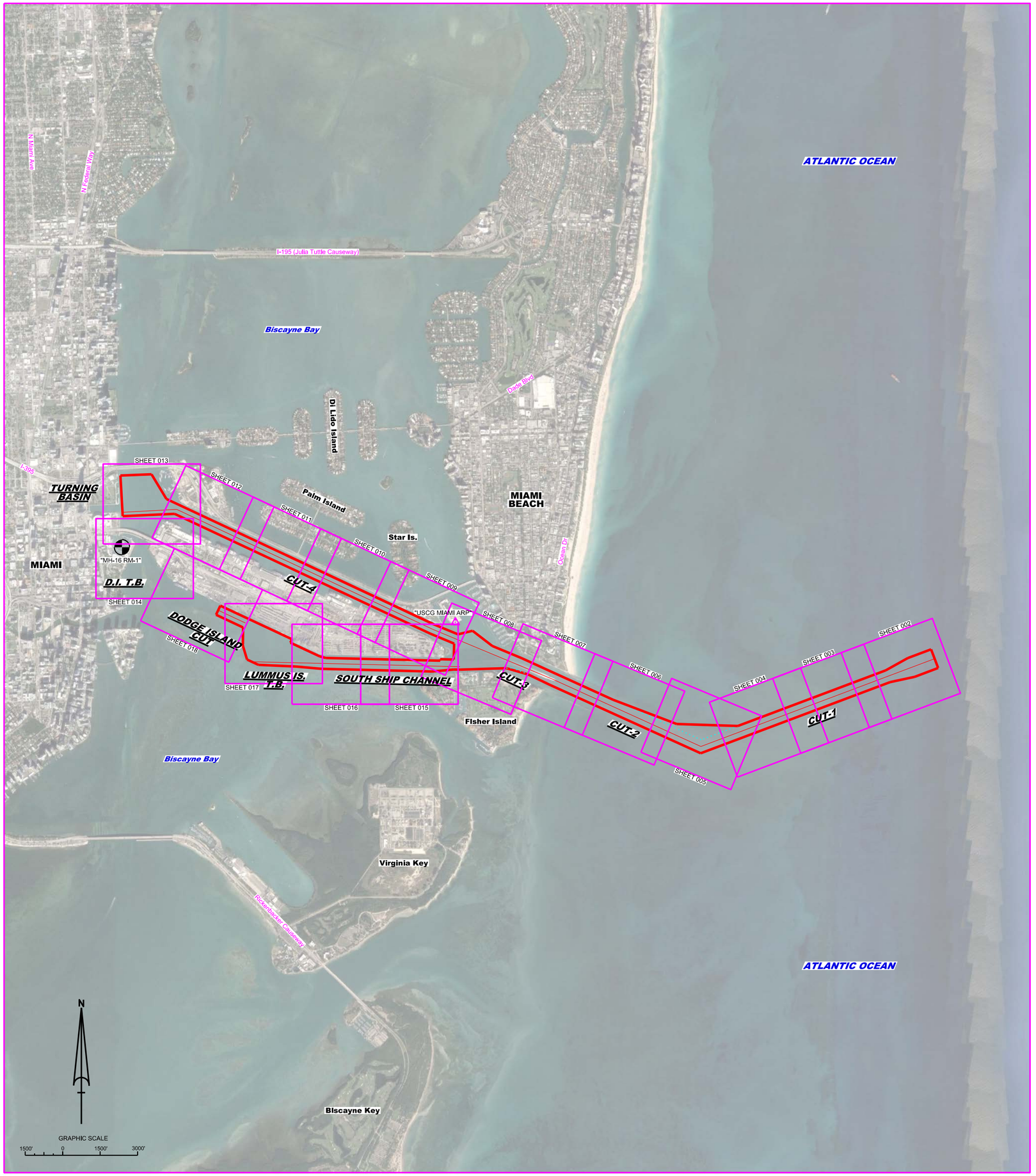
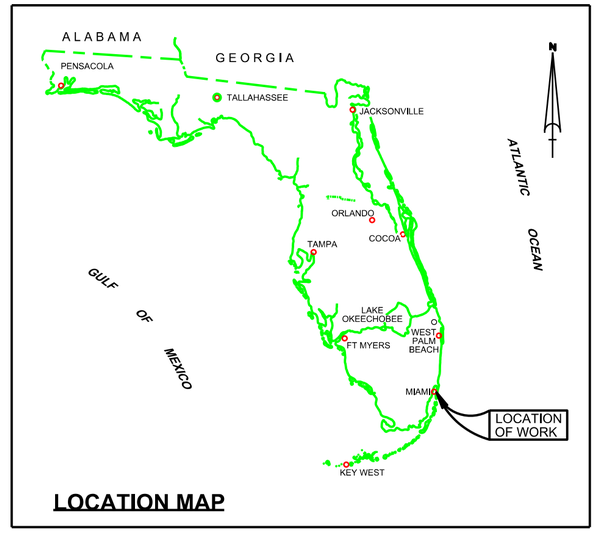




LOCATION MAP

MIAMI HARBOR
DADE COUNTY, FLORIDA
HYDROGRAPHIC EXAM SURVEY
FY23

SURVEY NOTES

1. REFER TO SURVEY NOS. 23-158.
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 REAL-TIME KINEMATIC (RTK) GPS AND REFERENCED TO MLLW UTILIZING A HYPACK KINEMATIC TIDE DATUM (KTD) MODEL NAMED "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 NORTH AMERICAN DATUM OF 1983, REALIZATION OF 2007 (NAD83).
6. ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
7. THIS SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC (RTK) GPS POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATION:

   REFERENCE BASE LOCATED AT "USCG MIAMI ARP" (OPUS PID: BBDD68)

   TIDE STAFF SET NEAR BAYSIDE MARINA FROM "MH-16 RM-1" (PID: AC2178)
8. DEPTHS DEPICTED BY THIS SURVEY ARE REFERENCED TO MLLW, TIDAL EPOCH 1983-2001, AS REPORTED BY THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA). NOAA'S VDATUM MODEL WAS USED AND CALIBRATED TO THE PUBLISHED MLLW HEIGHTS OF THE BENCHMARKS ASSOCIATED WITH THE TIDE GAGE SITE SPECIFIED BELOW:

   NOAA TIDAL STATION 872-3165 MIAMI BISCAYNE BAY, FLORIDA FOR ALL CUTS.
9. VERTICAL MEASUREMENTS WERE MADE USING AN EDGETECH 6205 S2 MULTI-BEAM SYSTEM, A TELEDYNE RESON T-20P MULTI-BEAM SYSTEM, A TELEDYNE E20 SINGLE-BEAM TRANSDUCER, AND A ROSS MODEL 835 SMART SOUNDER SINGLE-BEAM TRANSDUCER. ALL SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.

VESSEL	DATE OF SURVEY	CUT
SB-48	16 SEP 2023	CUT-1 THRU CUT-3 STA. 21+00
SB-52	03 OCT 2023	CUT-3 STA. 21+00 THRU CUT-4, MTB
SB-52	04 OCT 2023	SOUTH SHIP CHANNEL, LUMMUS ISLAND T.B.
SB-52	05 OCT 2023	DODGE ISLAND T.B., DODGE ISLAND

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 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, 31 DEC 2010.

LEGEND	
	GPS 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

Chk'd by: GMR
Designed by: WRM
DWN by: WRM
Trn. No.
Dated: OCT 2023

25-158-VNDX.DGN
MIAMI HARBOR-CNGMCF-AEC.DGN
25-158-CHB-BRDR.DGN
Reference files:
25-158-VHH01.DGN
File name:

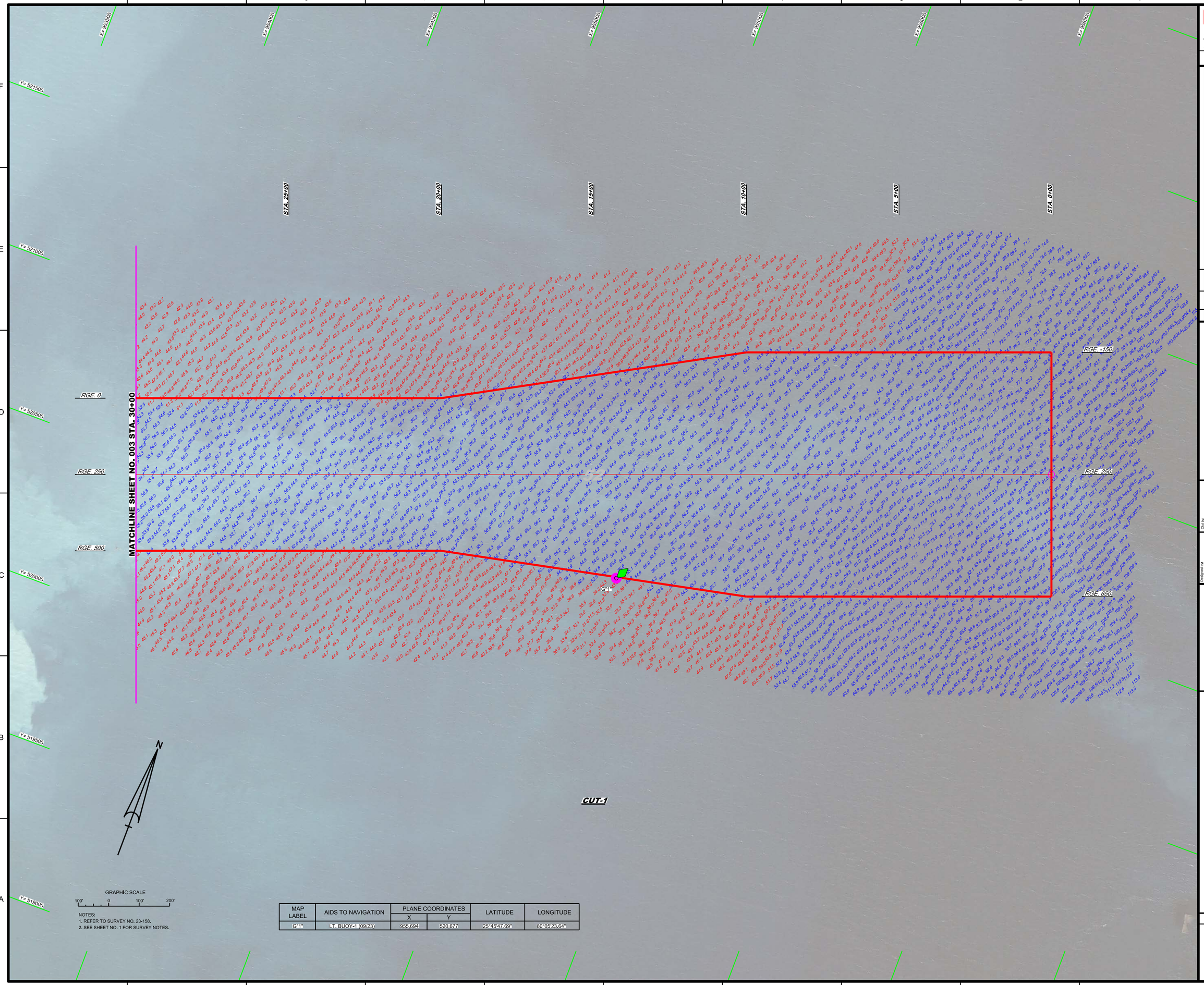
DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

MIAMI HARBOR
DADE COUNTY, FLORIDA
HYDROGRAPHIC EXAM SURVEY FY23
35, 36, 50 AND 52-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. BUOY-1 (09/23)	955,694	520,677	25°45'47.69"	80°05'23.64"

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

Chkd by: CMR
Designed by: WRM
DWN by: WRM
Rev. No.
Dated: SEP 2023

XXXXXXXXX-XXXXXXX.DGN
XXXXXXXXX-XXXXXXX.DGN
XXXXXXXXX-XXXXXXX.DGN
23-158-V-SOUN_C1.DGN
MIAMI HARBOR-C-NGMCCF-AEC.DGN
23-158-HPB-SHEPDL.DGN
Reference files:
23-158-VH002.DGN
File names:

MIAMI HARBOR
DADE COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY23
35, 36, 50 AND 52-FOOT PROJECT

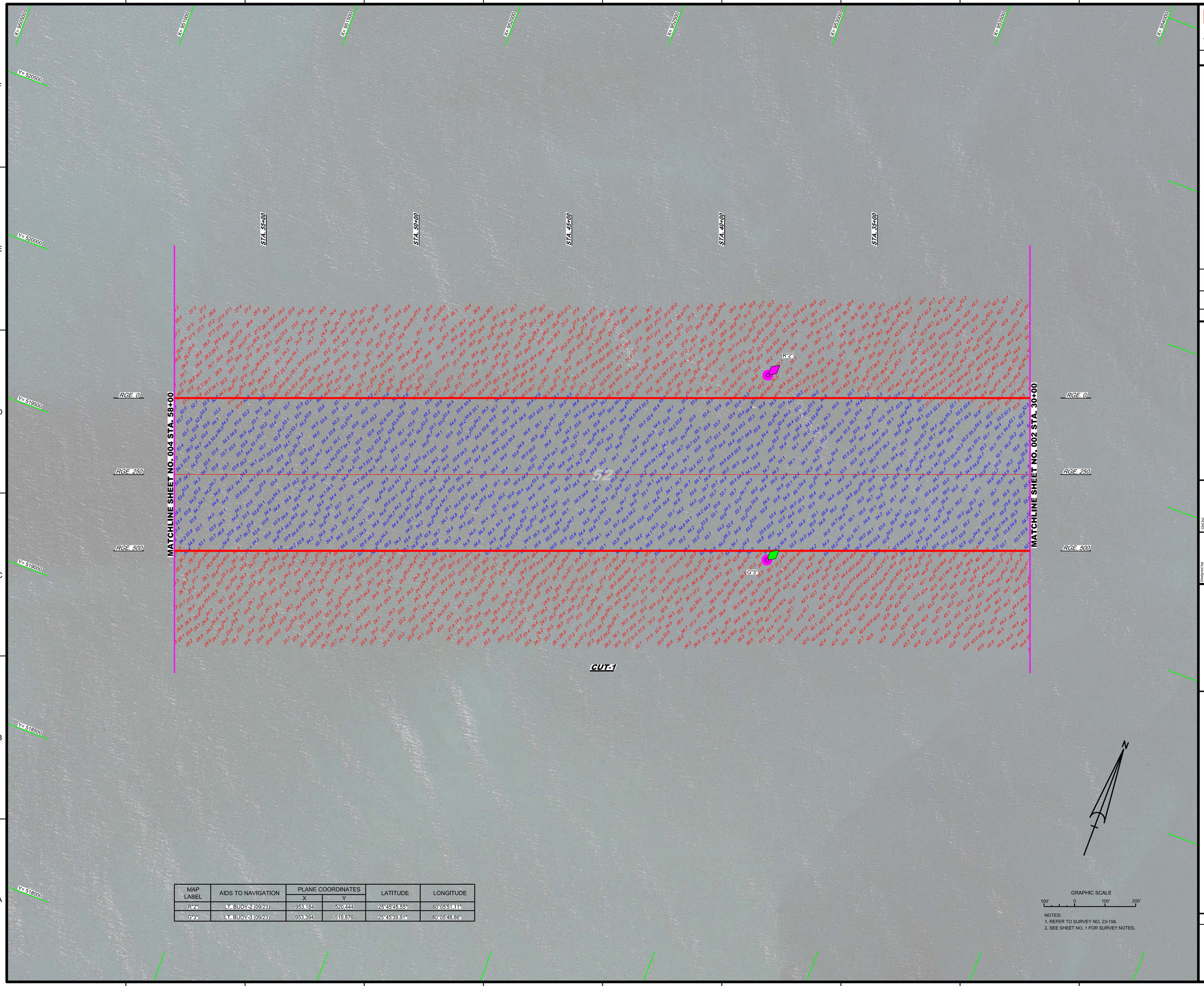
STA. 0+00 THRU STA. 30+00 CUT-1

PLAN

Scale: AS SHOWN

Drawing no.
2

SHEET 02 OF 18



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"2"	LT. BUOY-2 (09/23)	953,184	520,444	25°45'45.55"	80°05'51.11"
G"3"	LT. BUOY-3 (09/23)	953,394	519,876	25°45'39.91"	80°05'48.86"

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 23-158.
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

Chief by: CMR
Designed by: WRM
DWN by: WRM
Rev. No.
Date: SEP 2023

XXXXXXXXX-XXXXXXX.DGN
XXXXXXXXX-XXXXXXX.DGN
XXXXXXXXX-XXXXXXX.DGN
23-158-H-SOUN_C1.DGN
MIAMI HARBOR-C-NGMCCF-AEC.DGN
23-158-CeES-ERDR.DGN
Reference files:
23-158-VH003.DGN
File name:

MIAMI HARBOR
DADE COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY23
35, 36, 50 AND 52-FOOT PROJECT

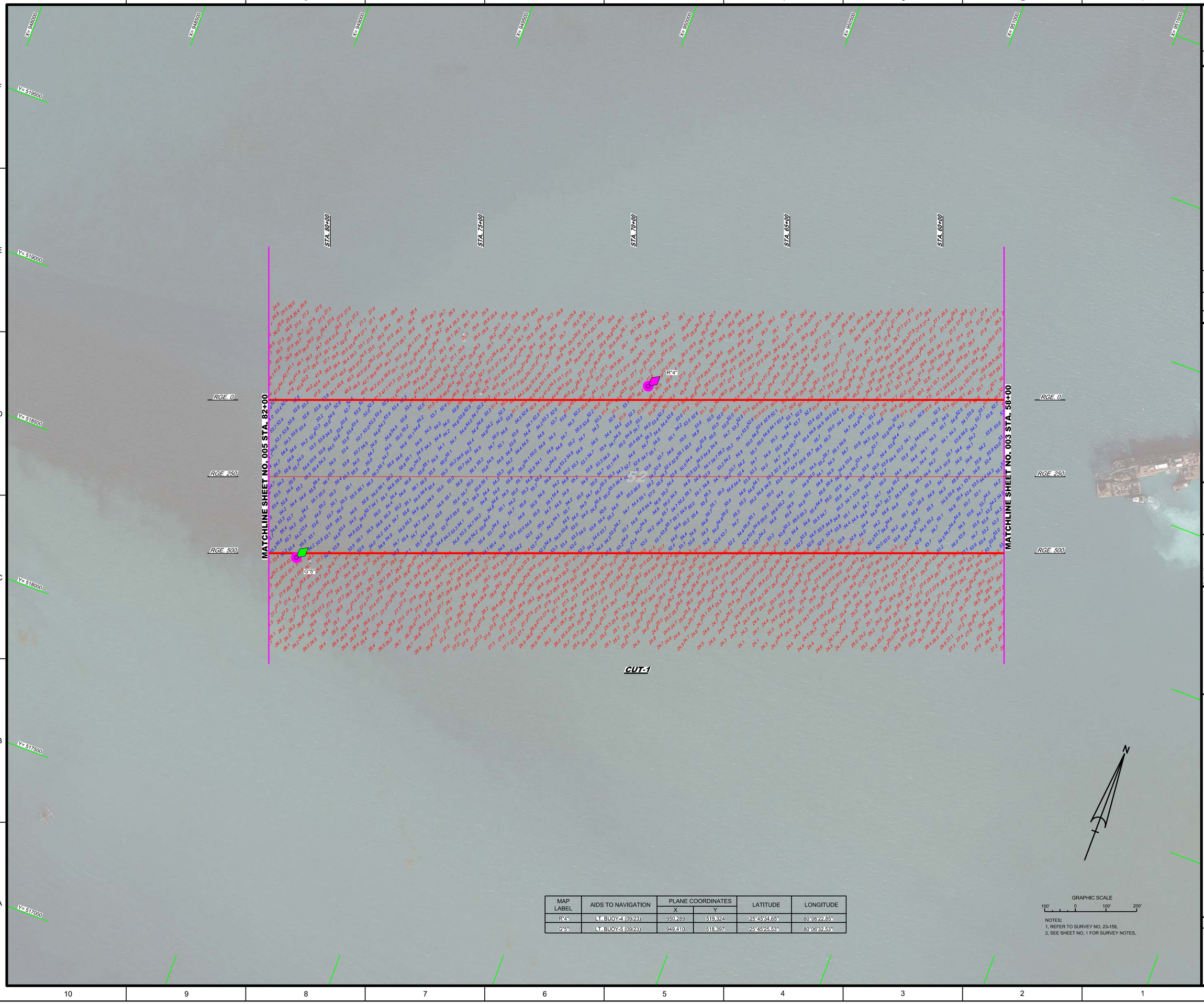
STA. 30+00 THRU STA. 58+00 CUT-1

PLAN

Scale: AS SHOWN

Drawing no.
3

SHEET 03 OF 18



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"4"	LT. BUOY-4 (09/23)	950,289	519,324	25°45'34.65"	80°06'22.85"
G"5"	LT. BUOY-5 (09/23)	949,410	518,397	25°45'25.53"	80°06'32.53"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO, 23-158,
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: GMR
Proj. No.
Dated: SEP 2023

XXXXXXXXX-XXXXXX.DGN
XXXXXXXXX-XXXXXX.DGN
XXXXXXXXX-XXXXXX.DGN
23-158-XX-SDSN_C1.DGN
MIAMI HARBOR-CNGMCF-AEC.DGN
23-158-HP-BRDR.DGN
Reference files:
23-158-XH-004.DGN
File name:

MIAMI HARBOR
DADE COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY23
35, 36, 50 AND 52-FOOT PROJECT

STA. 58+00 THRU STA. 82+00 CUT-1

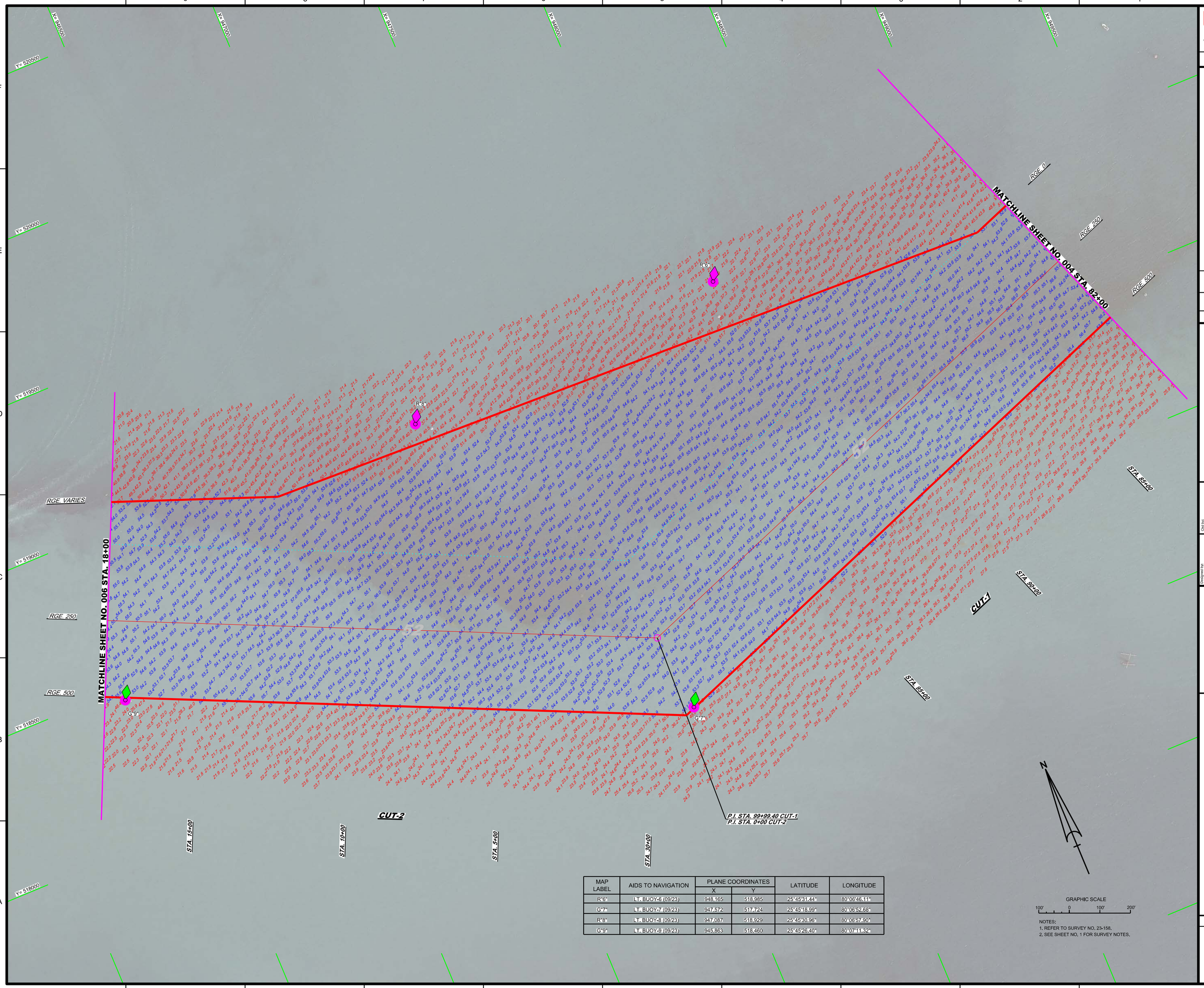
PLAN

Scale: AS SHOWN

Drawing no.

4

SHEET 04 OF 18



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"6"	LT. BUOY-6 (09/23)	948,165	518,985	25°45'31.44"	80°06'46.11"
G"7"	LT. BUOY-7 (09/23)	947,572	517,724	25°45'18.99"	80°06'52.68"
R"8"	LT. BUOY-8 (09/23)	947,087	518,929	25°45'30.96"	80°06'57.90"
G"9"	LT. BUOY-9 (09/23)	945,863	518,460	25°45'26.40"	80°07'11.32"

NOTES:
1. REFER TO SURVEY NO. 23-158.
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
Checked by: CMR
Proj. No.
Dated: SEP 2023

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

23-158-HAMV.DGN
23-158-SIGN_CZ.DGN
23-158-VSIGN_CZ.DGN
MIAMI HARBORC-NGMCSF-AEC.DGN
23-158C-BP-BRDR.DGN
Reference files:
23-158-VHH05.DGN
File name:

MIAMI HARBOR
DADE COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY23
35, 36, 50 AND 52-FOOT PROJECT

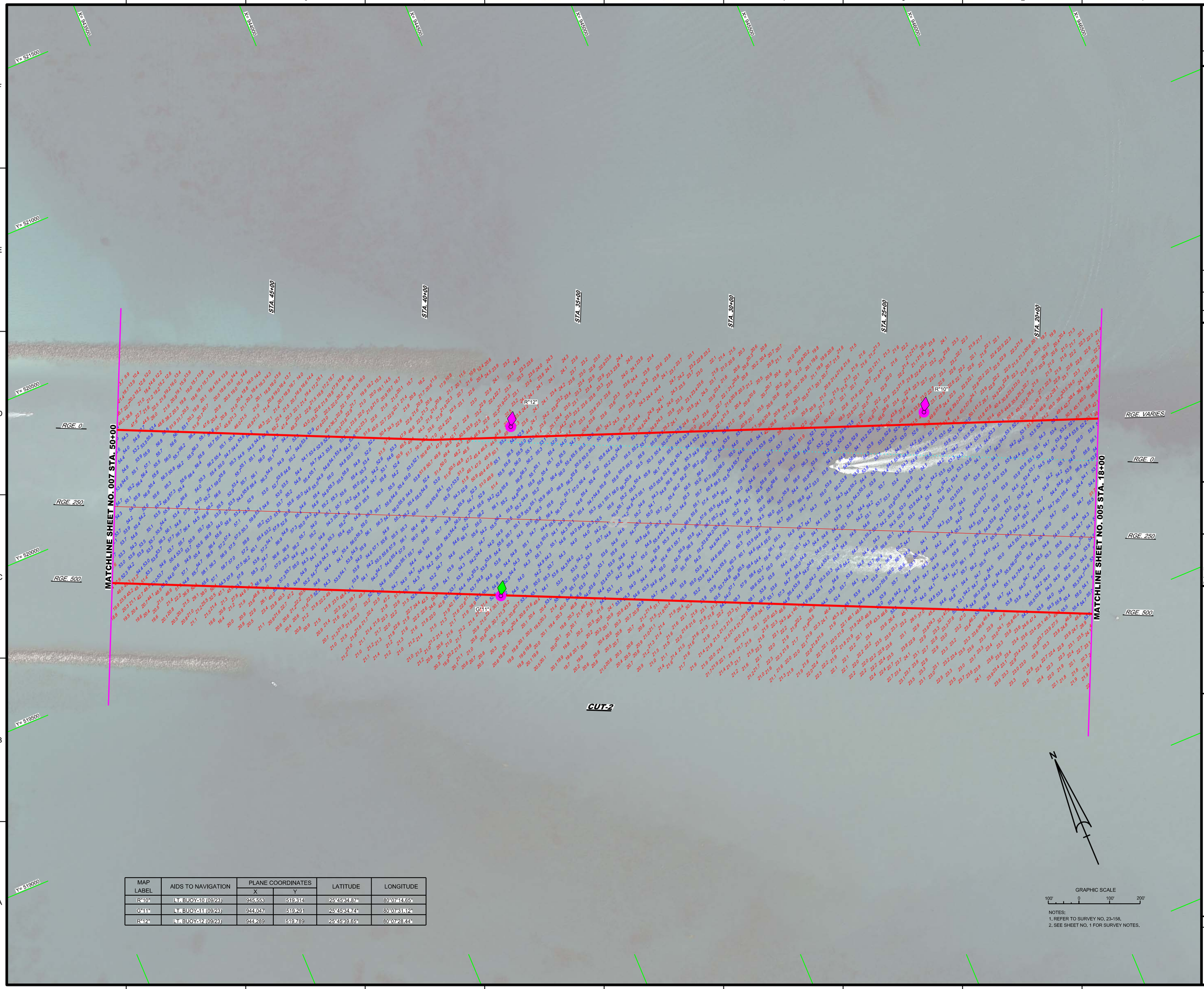
STA. 82+00 CUT-1 THRU STA. 18+00 CUT-2

PLAN

Scale: AS SHOWN

Drawing no.
5

SHEET 05 OF 18



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"10"	LT. BUOY-10 (09/23)	945,553	519,314	25°45'34.87"	80°07'14.65"
G"11"	LT. BUOY-11 (09/23)	944,047	519,291	25°45'34.74"	80°07'31.12"
R"12"	LT. BUOY-12 (09/23)	944,289	519,789	25°45'39.65"	80°07'28.44"

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 23-158.
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
Chk'd by: GMR
Proj. No.
Dated: SEP 2023

23-158-HAN-DGN
23-158-SIGN_C2.DGN
MIAMI HARBOR-C-NGMOCF-AEC.DGN
25-158-C-BS-BRDR.DGN
References files:
25-158-HH06.DGN
File name:

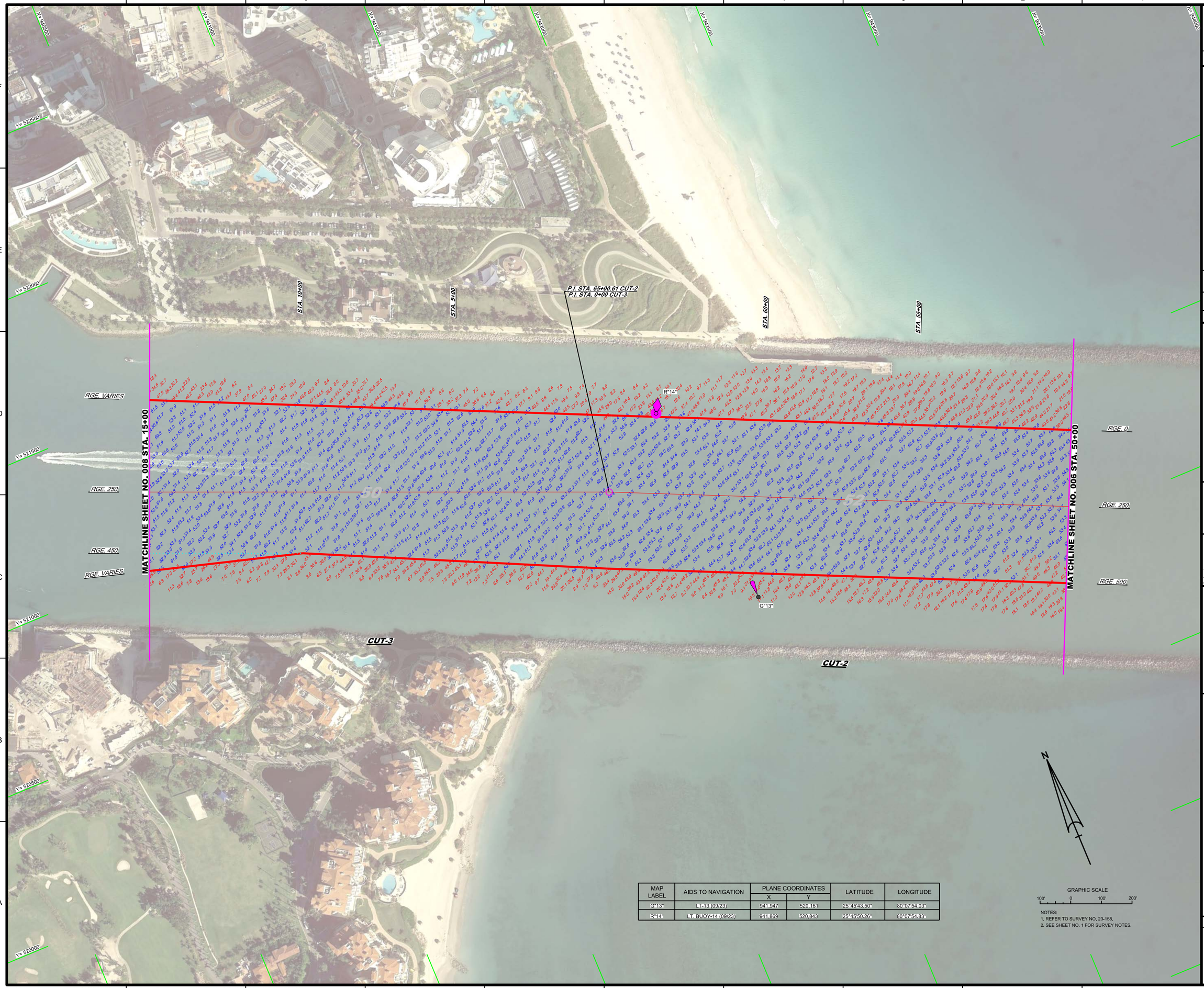
MIAMI HARBOR
DADE COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY23
35, 36, 50 AND 52-FOOT PROJECT
STA. 18+00 THRU STA. 50+00 CUT-2
PLAN

Scale: AS SHOWN

Drawing no.
6

SHEET 06 OF 18



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"13"	LT-13 (09/23)	941,947	520,161	25°45'43.50"	80°07'54.03"
R"14"	LT. BUOY-14 (09/23)	941,869	520,843	25°45'50.26"	80°07'54.83"

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 23-158.
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
Rec. No.
Dated: OCT 2023
Cad by: CMR

23-158-NAV.DGN
23-158-ASOUN_C1.DGN
23-158-ASOUN_C2.DGN
23-158-ASOUN_C3.DGN
MIAMI HARBOR-CAGMOCF-AEC.DGN
23-158-CES-ERDL.DGN
Reference files:
23-158-VH007.DGN
File names:

MIAMI HARBOR
DADE COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY23
35, 36, 50 AND 52-FOOT PROJECT

STA. 50+00 CUT-2 THRU STA. 15+00 CUT-3

PLAN

Scale: AS SHOWN

Drawing no.
7

SHEET 07 OF 18

FISHER ISLAND TURNING BASIN

54-IN FORCE SEWER MAIN
INV. EL. 54.7'
(APPROX. LOCATION)

54-IN FORCE SEWER MAIN
INV. EL. 34.5'
(APPROX. LOCATION)

54-IN FORCE SEWER MAIN
INV. EL. 54.7'
(APPROX. LOCATION)

20-IN WATER MAIN
INV. EL 53.0-FT
(APPROX. LOCATION)

DANGER SHOAL

R"18"

R"16"

G"15"

G"3"

SHIP ON-LINE

STA. 40+00

STA. 35+00

STA. 30+00

STA. 25+00

STA. 20+00

STA. 0+00

STA. 0+50

MATCHLINE SHEET NO. 009 STA. 44+00

MATCHLINE SHEET NO. 007 STA. 15+00

MATCHLINE SHEET NO. 015 STA. 8+00

RGE. 0

RGE. 200

RGE. 400

RGE. -50

RGE. 250

RGE. 450

RGE. VARIES

RGE. -60

RGE. 200

RGE. VARIES

CUT-3

SOUTH SHIP CHANNEL

Y= 523500

Y= 523000

Y= 522500

Y= 522000

Y= 521500

Y= 521000

X= 936000

X= 936500

X= 937000

X= 937500

X= 938000

X= 938500

X= 939000

X= 939500

X= 940000

X= 940500

X= 941000

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES X	PLANE COORDINATES Y	LATITUDE	LONGITUDE
G"3"	LT-3 (10/23)	937,355	520,980	25°45'51.91"	80°08'44.19"
G"15"	LT-15 (10/23)	940,081	520,999	25°45'51.92"	80°08'14.38"
R"16"	LT. BUOY-16 (10/23)	939,159	522,029	25°46'02.17"	80°08'24.39"
R"18"	LT. BUOY-18 (10/23)	938,410	522,593	25°46'07.81"	80°08'32.55"
DANGER SHOAL	SIGN (10/23)	938,460	522,673	25°46'08.60"	80°08'31.99"

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 23-158.
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: WRM
DRAWN by: WRM
Rev. No.
Date: OCT 2023
Chief by: GR

23-158-NAV-NAV.DGN
23-158-NAV-SOUN_SSC.DGN
23-158-HSRBOR-C-NGMCSF-AEC.DGN
MIAMI HARBOR-C-NGMCSF-AEC.DGN
23-158-OBS-BRDR.DGN
Reference files:
23-158-VHH-008.DGN
File name:

MIAMI HARBOR
DADE COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY23
35, 36, 50 AND 52-FOOT PROJECT
STA. 15+00 THRU STA. 44+00 CUT-3 AND
STA. 0+00 THRU STA. 8+00 SOUTH SHIP CHANNEL
PLAN

Scale: AS SHOWN

Drawing no.
8

SHEET 08 OF 18

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

X= 935500
X= 936000
X= 936500
X= 937000
X= 937500
X= 938000
X= 938500

Y= 525000
Y= 524500
Y= 524000
Y= 523500
Y= 523000
Y= 522500

W Star Island Dr
Bridge Rd
MacArthur Causeway
Terminal Island

STA. 20+00
STA. 15+00
STA. 10+00
STA. 5+00
STA. 50+00
STA. 45+00

P.I. STA. 52+43.82 CUT-3
P.I. STA. 0+00 CUT-4

FP&L CABLE CROSSING

RGE. 00
RGE. 200
RGE. 400

MATCHLINE SHEET NO. 010 STA. 23+00

MATCHLINE SHEET NO. 008 STA. 44+00

20' W.M.

CUT-4
CUT-3

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 23-158.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

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

Designed by: MRM
Drawn by: MRM
Checked by: CMR
Rev. No.
Dated: OCT 2023

23-158-N-SOUN_CLDGN
23-158-V-SOUN_CLDGN
MIAMI HARBOR-CONGMCCF-AEC.DGN
23-158-P-SHRDL.DGN
Reference files:
23-158-VH009.DGN
File name:

MIAMI HARBOR
DADE COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY23
35, 36, 50 AND 52-FOOT PROJECT

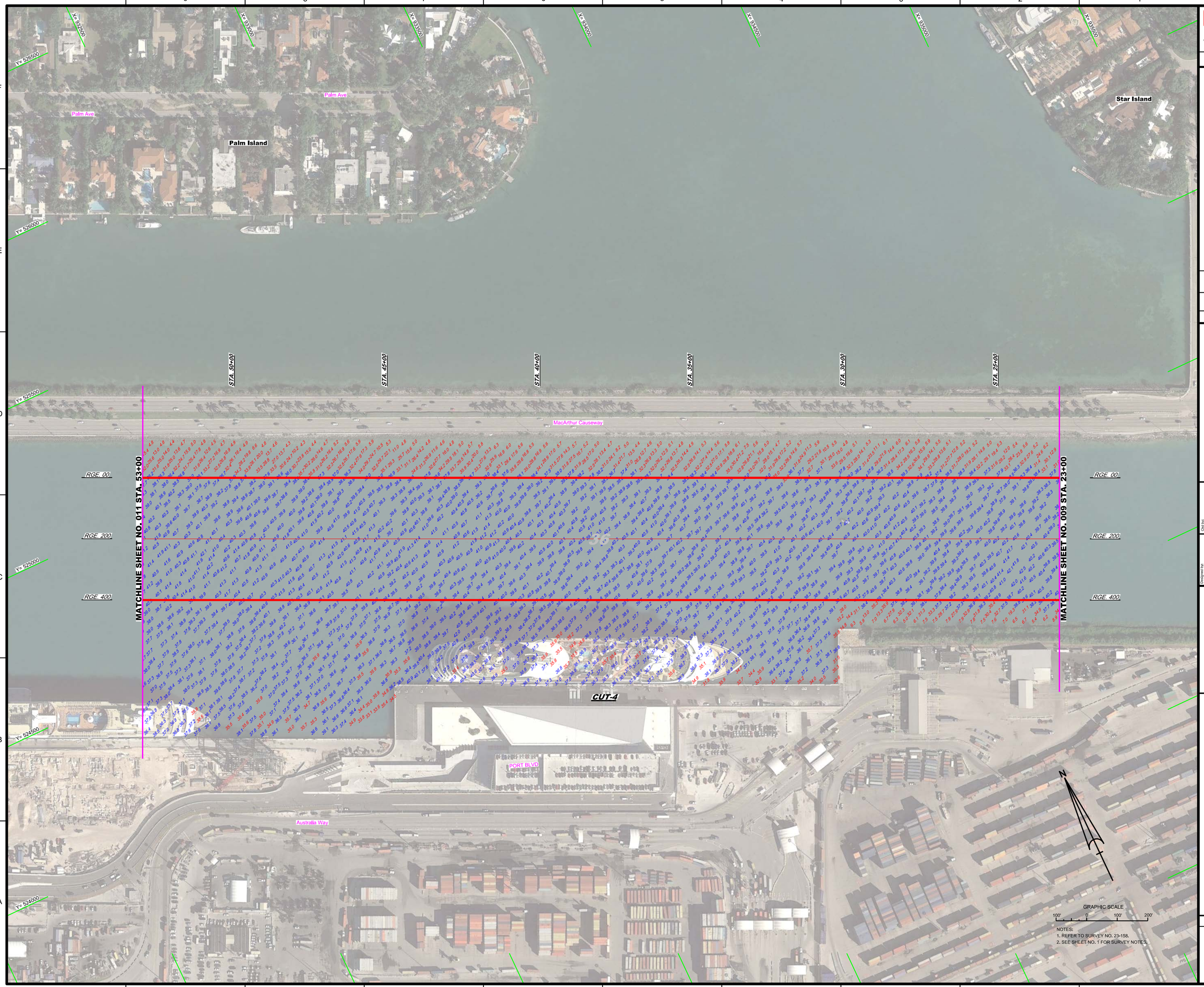
STA. 44+00 CUT-3 THRU STA. 23+00 CUT-4

PLAN

Scale: AS SHOWN

Drawing no.
9

SHEET 09 OF 18



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:	Cad by:
WRM	GMR
DWN by:	
WRM	
Inv. No.	
Dated: OCT 2023	

23-15HA-SDUN_C4.DGN
MIAMI HARBOR-C-NGMCOF-AEC.DGN
23-15HC4-BS-RDRL.DGN
Reference files

23-15H-PH-010.DGN
File name:

MIAMI HARBOR
DADE COUNTY, FLORIDA

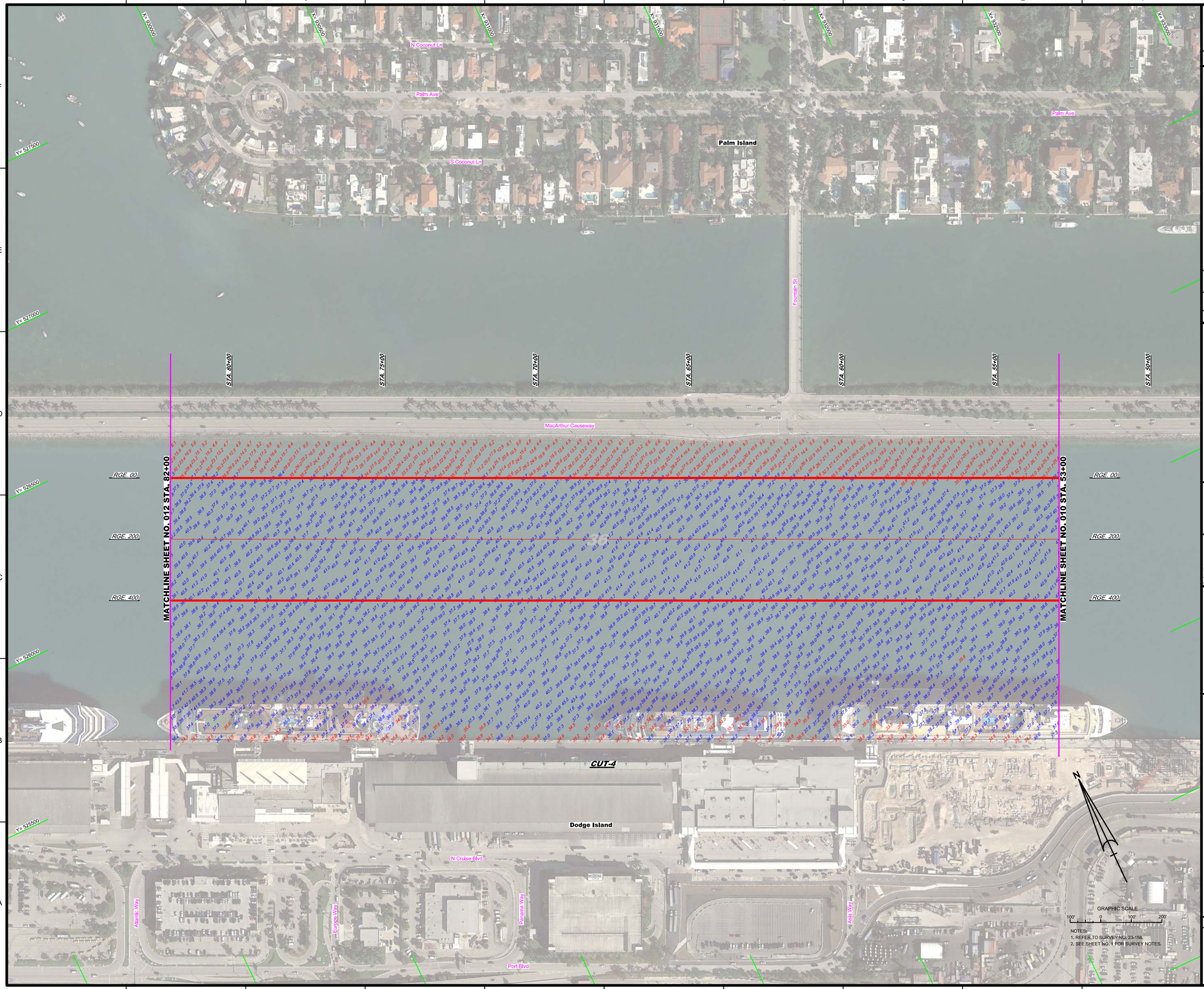
HYDROGRAPHIC EXAM SURVEY FY23
35, 36, 50 AND 52-FOOT PROJECT
STA. 23+00 THRU STA. 53+00 CUT-4
PLAN

Scale: AS SHOWN

Drawing no.
10

SHEET 10 OF 18

NOTES:
1. REFER TO SURVEY NO. 23-158.
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:	Drawn by:	Chk'd by:
MRM	MRM	CMR

Rev. No.
Dated: OCT 2023

23-158-VSOUN_CALDGN
MIAMI HARBORC2-CNGMCCF-AECDGN
23-158-HPSHEETDPLDGN
Reference files:

23-158-VH011.DGN
File name:

MIAMI HARBOR
DADE COUNTY, FLORIDA

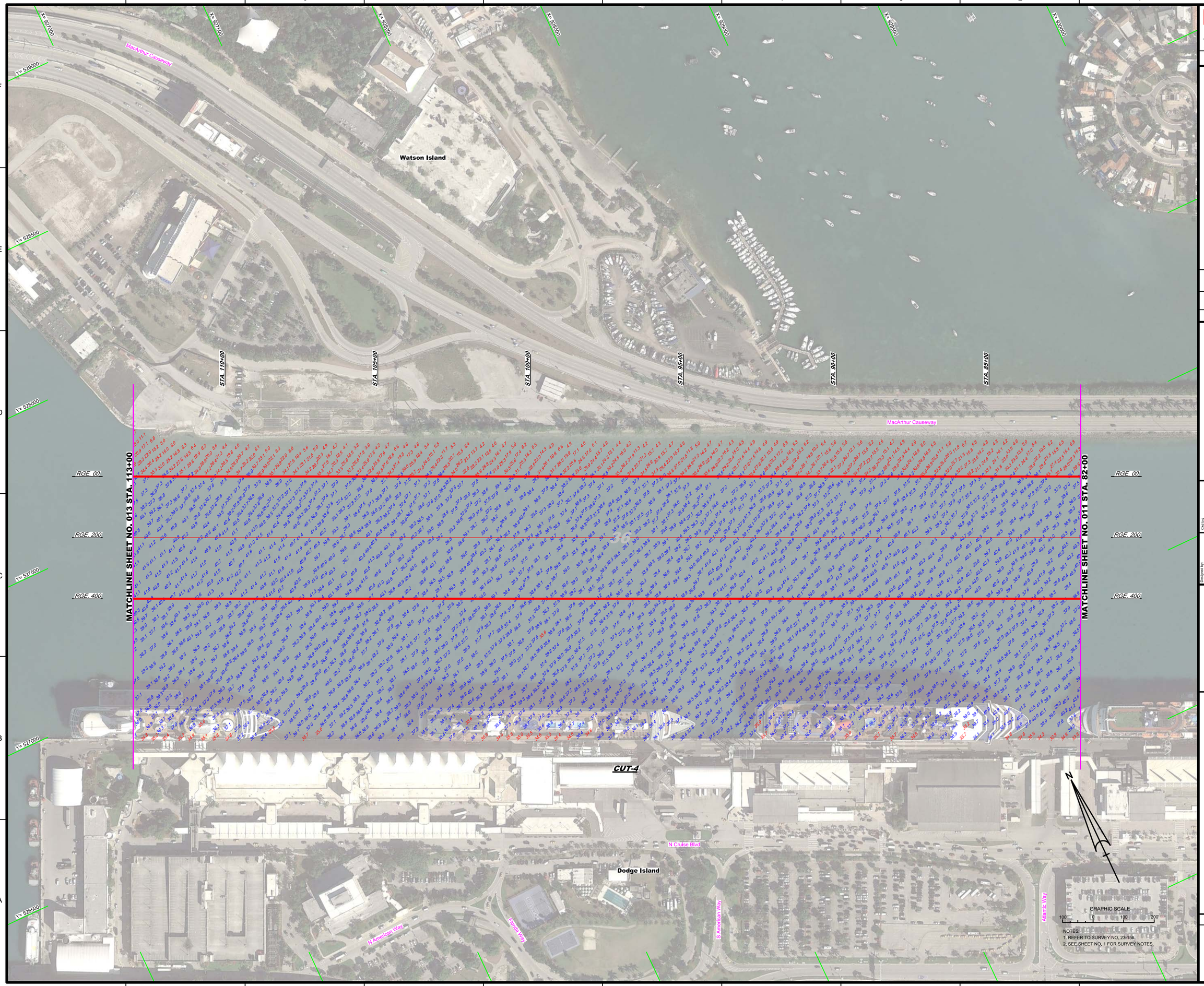
HYDROGRAPHIC EXAM SURVEY FY23
35, 36, 50 AND 52-FOOT PROJECT
STA. 53+00 THRU STA. 82+00 CUT-4

PLAN

Scale: AS SHOWN

Drawing no.
11

SHEET 11 OF 18



US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	By/dsd	Zone

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

Designed by	Cad by
WRM	CMR
DWN by	
WRM	
Rev. No.	
Dated OCT 2023	

23-158-SOUN_CALDGN
MIAMI HARBORC2-CNGMCCF-AEC.DGN
23-158-HSBRDL.DGN
Reference files:
23-158-VH012.DGN
File names:

MIAMI HARBOR
DADE COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY23
35, 36, 50 AND 52-FOOT PROJECT

STA. 82+00 THRU STA. 113+00 CUT-4

PLAN

Scale: AS SHOWN

Drawing no.

12

SHEET 12 OF 18

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
LT-A	LT-A (10/23)	925,894	528,241	25°47'04.54"	80°10'49.06"
LT-B	LT-B (10/23)	925,380	528,864	25°47'10.74"	80°10'54.64"
LT-C	LT-C (10/23)	924,565	528,646	25°47'08.63"	80°11'03.57"
LT-D	LT-D (10/23)	924,343	527,897	25°47'01.23"	80°11'06.05"
R"50"	LT-50 (10/23)	925,579	527,168	25°46'53.93"	80°10'52.58"

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

Cad by: CMR
Designed by: MRM
DWN by: MRM
Rev. No.
Date: OCT 2023

23-158-NAVI.DGN
23-158-V-SOUN_TB.DGN
MIAMI HARBOR2C-NGMCCF-AEC.DGN
23-184-25-SHEREL.DGN
Reference files:
23-158-VH013.DGN
File names:

MIAMI HARBOR
DADE COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY23
35, 36, 50 AND 52-FOOT PROJECT

STA. 113+00 CUT-4 THRU STA. 21+76.44 TURNING BASIN

PLAN

Scale: AS SHOWN

Drawing no.
13

SHEET 13 OF 18

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
BNDRY MARKER-A	BOUNDARY MARKER-A (10/23)	926,043	524,726	25°46'29.72"	80°10'47.67"

MATCHLINE SHEET NO. 013 RGE. 2700 TURNING BASIN

MATCHLINE SHEET NO. 018 STA. 36+00

NO DATA COLLECTED

TIDE STAFF @ "MH-16 RM-1"

BNDRY MARKER-A

Miamarina Parkway Dr

PORT BLVD

Dodge Island

S American Way

N Cruise Blvd

N American Way

Florida Way

Caribbean Way

Port Blvd

NE 3rd St

NE 2nd St

NE 1st St

SE 1st St

Hwy-A1

Y= 527000
Y= 526500
Y= 526000
Y= 525500
Y= 525000
Y= 524500
Y= 524000

X= 923500
X= 924000
X= 924500
X= 925000
X= 925500
X= 926000
X= 926500
X= 927000

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 23-158.
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. Nos.
Dated: OCT 2023

XXXXXXX-XXXXXXX.DGN
XXXXXXX-XXXXXXX.DGN
XXXXXXX-XXXXXXX.DGN
23-158-V-SOUN_DI.DGN
23-158-V-SOUN_DITB_SB-HF.DGN
23-158-P-SB-HFBDR.DGN
Reference files:
23-158-VH014.DGN
File names:

MIAMI HARBOR
DADE COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY23
35, 36, 50 AND 52-FOOT PROJECT

WEST BERTHING AREA

PLAN

Scale: AS SHOWN

Drawing no.
14

SHEET 14 OF 18

X= 934000
X= 934500
X= 935000
X= 935500
X= 936000
X= 936500
X= 937000
X= 937500

Y= 522500
Y= 522000
Y= 521500
Y= 521000
Y= 520500
Y= 520000

STA. 30+00
STA. 25+00
STA. 20+00
STA. 15+00
STA. 10+00

Port Blvd

MATCHLINE SHEET NO. 016 STA. 33+00 SOUTH SIDE CHANNEL

MATCHLINE SHEET NO. 008 STA. 8+00 SOUTH SIDE CHANNEL

RGE. 0
RGE. 220
RGE. 440
RGE. -60
RGE. 0
RGE. 220
RGE. VARIES

G"5"

8" AND 20" WATER PIPE

SOUTH SHIP CHANNEL

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"5"	LT-5 (10/23.)	935,622	521,006	25°45'52.27"	80°09'03.15"

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 23-158.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	By/dsd	Zone

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

Designed by: MRM
Drawn by: MRM
Checked by: CMR
Rec. No.
Dated: OCT 2023

XXXXXXXXXX-XXXXXX.DGN
XXXXXXXXX-XXXXXX.DGN
23-158-V-NAV.DGN
23-158-V-SOUN_SSC.DGN
23-158-V-SOUN_SSC_SB+IF.DGN
MIAMI HARBORCC-NGMCCF-AEC.DGN
23-158-CBS-BRDR.DGN
Reference files:
23-158-VH015.DGN
File name:

MIAMI HARBOR
DADE COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY23
35, 36, 50 AND 52-FOOT PROJECT

STA. 8+00 THRU STA. 33+00 SOUTH SHIP CHANNEL

PLAN

Scale: AS SHOWN

Drawing no.
15

SHEET 15 OF 18

X= 931500
X= 932000
X= 932500
X= 933000
X= 933500
X= 934000
X= 934500
Y= 522500
Y= 522000
Y= 521500
Y= 521000
Y= 520500
Y= 520000
STA. 5+00
STA. 50+00
STA. 45+00
STA. 40+00
STA. 35+00
P.I. STA. 55+57.61 SOUTH SIDE CHANNEL
P.I. STA. 0+00 LUMMUS ISLAND TURNING BASIN
Port Blvd
SHIP ON-LINE
RGE. VARIES
RGE. 220
RGE. VARIES
RGE. 0
RGE. 220
RGE. 440
MATCHLINE SHEET NO. 017 STA. 6+00 L.I.T.B.
MATCHLINE SHEET NO. 015 STA. 33+00 SOUTH SIDE CHANNEL
G"9"
G"7"
LUMMUS ISLAND TURNING BASIN
SOUTH SHIP CHANNEL

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"7"	LT-7 (10/23)	934,128	521,008	25°45'52.38"	80°09'19.49"
G"9"	LT-9 (10/23)	933,075	521,039	25°45'52.76"	80°09'31.01"

N

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 23-158.
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. Nos.
Dated: OCT 2023

23-158-NAV.DGN
23-158-V-SOUN_LITB.DGN
23-158-V-SOUN_LITB_SH4IF.DGN
23-158-V-SOUN_SSC.DGN
23-158-V-SOUN_SSC_SH4IF.DGN
MIAMI HARBOR2C-NGMCCF-AEC.DGN
23-158-CPS-SHDRDL.DGN
Reference files:

23-158-VH016.DGN
File names:

MIAMI HARBOR
DADE COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY23
35, 36, 50 AND 52-FOOT PROJECT

STA. 33+00 SOUTH SHIP CHANNEL THRU STA. 6+00 LUMMUS ISLAND TURNING BASIN

PLAN

Scale: AS SHOWN

Drawing no.
16

SHEET 16 OF 18

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES X	PLANE COORDINATES Y	LATITUDE	LONGITUDE
G"11"	LT-11 (10/23)	929,176	522,672	25°46'09.18"	80°10'13.54"
Y"A"	LT-A (10/23)	931,361	521,162	25°45'54.09"	80°09'49.75"
Y"B"	LT-B (10/23)	930,565	521,130	25°45'53.82"	80°09'58.46"
Y"C"	LT-C (10/23)	929,685	521,169	25°45'54.26"	80°10'08.08"
Y"D"	LT-D (10/23)	929,259	521,595	25°45'58.51"	80°10'12.70"
BNDRY MARKER-E	BOUNDARY MARKER-E (10/23)	929,146	522,005	25°46'02.57"	80°10'13.91"

MATCHLINE SHEET NO. 018 STA. 2+00 D.I.

P.I. STA. 0+00 DODGE ISLAND

MATCHLINE SHEET NO. 016 STA. 6+00 L.I.T.B.

DODGE ISLAND CUT

LUMMUS ISLAND TURNING BASIN

SHIP ON-LINE

RGE. 0

RGE. 200

RGE. 400

RGE. 220

RGE. VARIES

RGE. VARIES

Antarctic Way

Australia Way

Port Blvd

G"11"

Y"D"

Y"C"

Y"B"

Y"A"

BNDRY MARKER-E

STA. 27+00

STA. 25+00

STA. 20+00

STA. 15+00

STA. 10+00

X= 928500
X= 929000
X= 929500
X= 930000
X= 930500
X= 931000
X= 931500
X= 932000

Y= 523500
Y= 523000
Y= 522500
Y= 522000
Y= 521500
Y= 521000
Y= 520500

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 23-158.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

Chk'd by: GMR
Designed by: WRM
DWN by: WRM
Proj. No.
Date: OCT 2023

22-1025-HAKV.DGN
23-158-HAMV.DGN
23-158A-SOUN_PLDGN
23-158A-SOUN_DITB_SBHF.DGN
23-158A-SOUN_LITB_SBHF.DGN
23-158A-SOUN_LITB_SBLHF.DGN
MIAMI HARBOR-CONGMCSF-AEC.DGN
23-158C-PB-BRDR.DGN
Reference files:
23-158-HH17.DGN
File name:

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

MIAMI HARBOR
DADE COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY23
35, 36, 50 AND 52-FOOT PROJECT

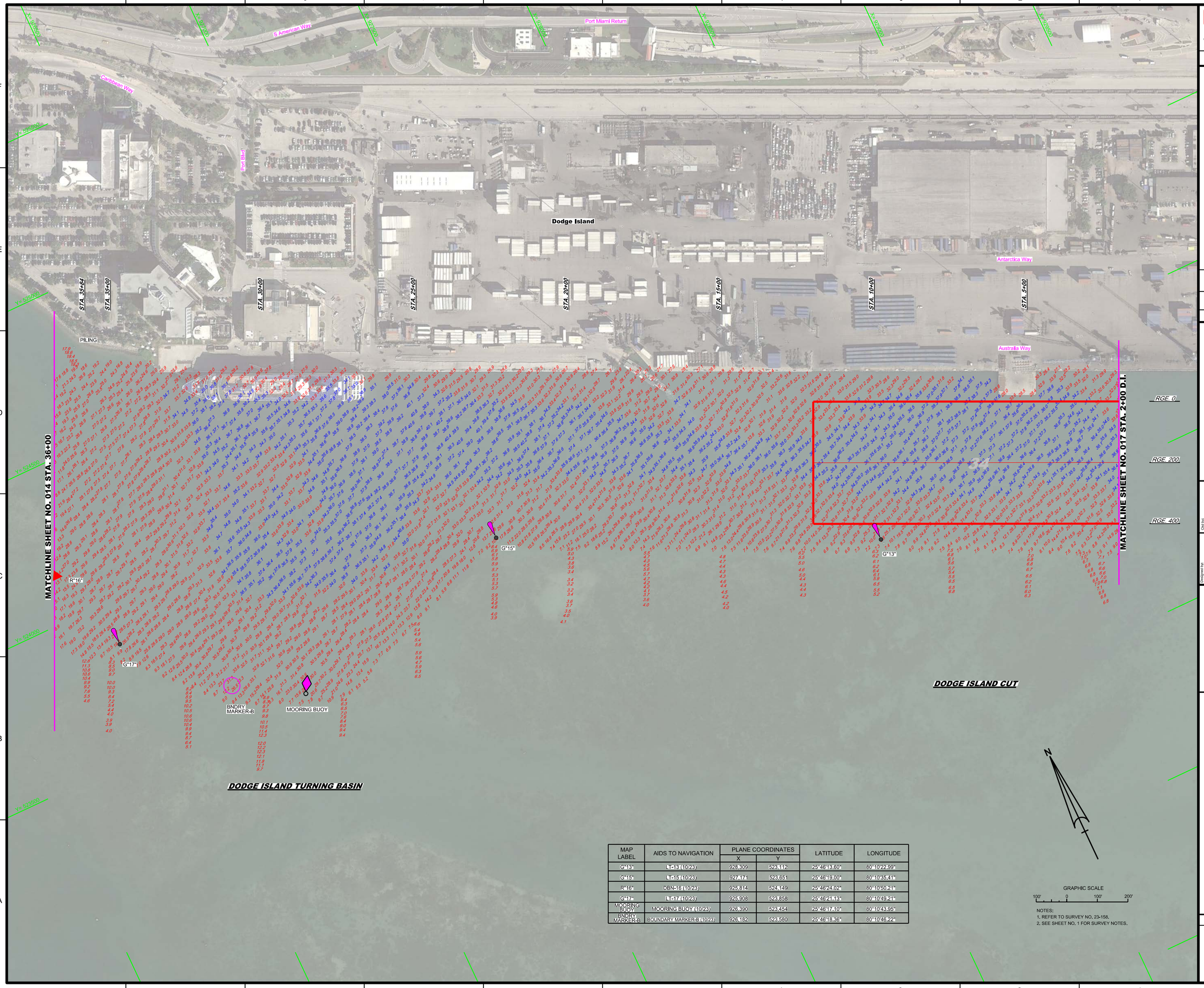
STA. 6+00 TO STA. 2+00 MIAMI HARBOR TURNING BASIN & STA. 0+00 TO STA. 27+95 DODGE ISLAND

PLAN

Scale: AS SHOWN

Drawing no.
17

SHEET 17 OF 18



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"13"	LT-13 (10/23)	928,309	523,112	25°46'13.60"	80°10'22.99"
G"15"	LT-15 (10/23)	927,171	523,651	25°46'19.00"	80°10'35.41"
R"16"	DBN-16 (10/23)	925,814	524,149	25°46'24.02"	80°10'50.21"
G"17"	LT-17 (10/23)	925,908	523,858	25°46'21.13"	80°10'49.21"
MOORING BUOY	MOORING BUOY (10/23)	926,390	523,454	25°46'17.10"	80°10'43.95"
BNDRY MARKER-B	BOUNDARY MARKER-B (10/23)	926,182	523,580	25°46'18.36"	80°10'46.22"

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
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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

Chk'd by: GMR
Designed by: MRM
DWN by: MRM
Proj. No.
Dates: OCT 2023

XXXXXXXXX-X-XXXXXX.DGN
XXXXXXXXX-XXXXXX.DGN
23-158A-MAV.DGN
23-158A-SOUN_DTM.DGN
23-158A-SOUN_DTB_SB-HF.DGN
MIAMI HARBOR-C-NGMCF-AEC.DGN
25-158C-SB-BRDR.DGN
Reference files:
25-158C-HH-016.DGN
File name:

MIAMI HARBOR
DADE COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY23
35, 36, 50 AND 52-FOOT PROJECT

STA. 2+00 THRU STA. 35+84 DODGE ISLAND CUT

PLAN

Scale: AS SHOWN

Drawing no.
18

SHEET 18 OF 18