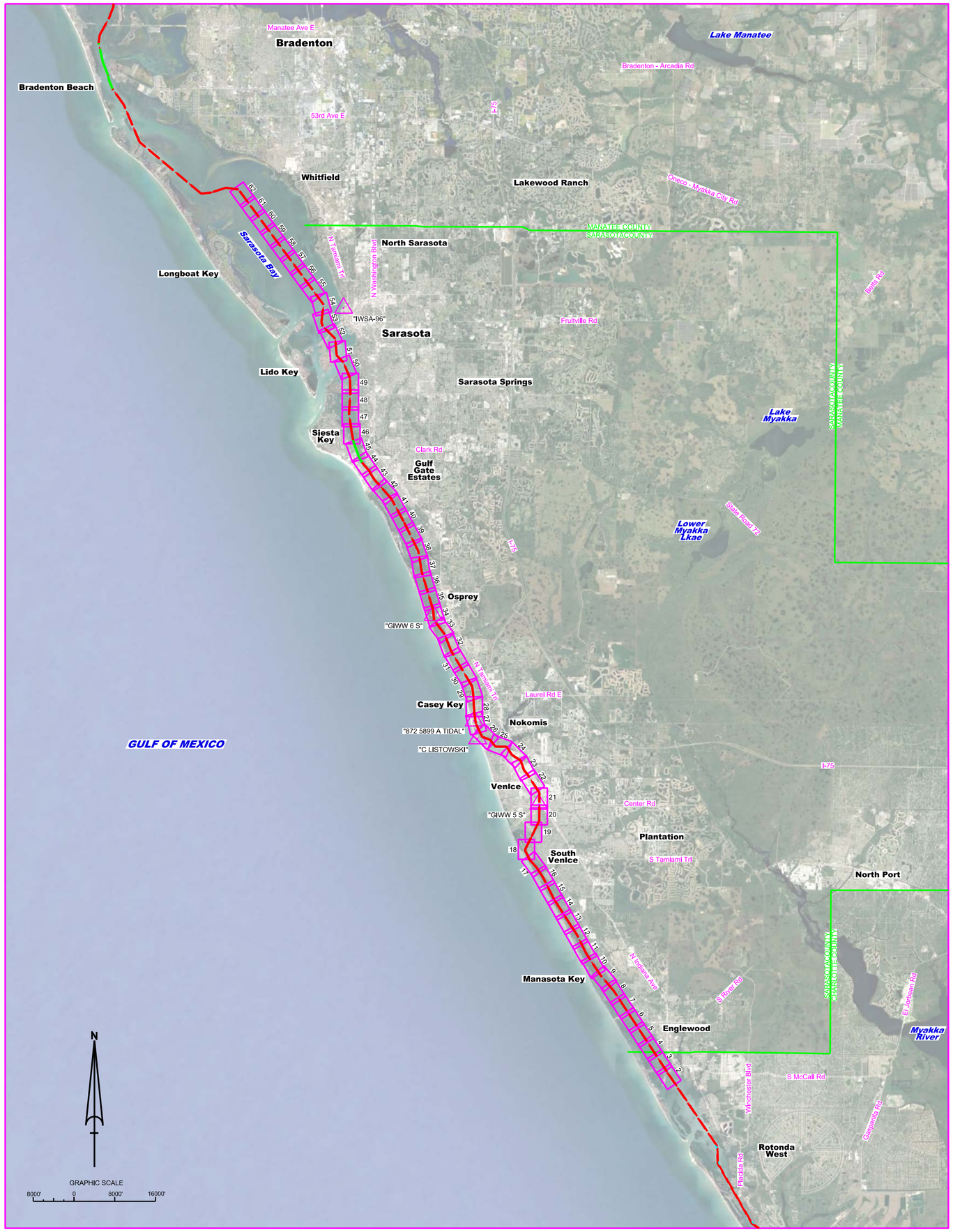
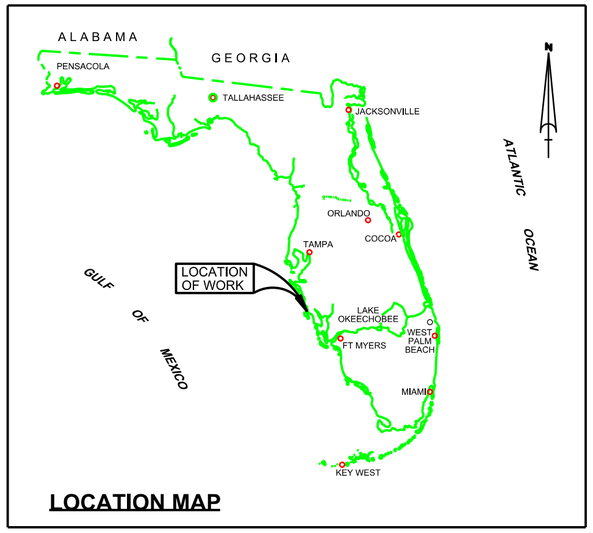



LOCATION MAP

# GIWW - SARASOTA COUNTY, FLORIDA
# CUTS S-1 THRU S-48
# HYDROGRAPHIC EXAM SURVEY FY23
# 9-FOOT PROJECT

SURVEY NOTES

1. REFER TO SURVEY NO. 23-161.
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: "SPC-FL-WEST-2010-12-07.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 WEST 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 REAL-TIME KINEMATIC (RTK) GPS POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATIONS:

   REFERENCE BASE LOCATED AT "GIWW 5 S" (PID: BBFB84)
   REFERENCE BASE LOCATED AT "C LISTOWSKI" (PID: BBDX69)
   REFERENCE BASE LOCATED AT "872 5899 A TIDAL" (PID: DL9718)
   REFERENCE BASE LOCATED AT "IWSA-96" (PID: BBDG36)
   REFERENCE BASE LOCATED AT "GIWW 6 S" (PID: BBFB87)

8. 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 5809 FOR CUTS S-1 THRU S-6 (PID: AG7848)
   NOAA TIDAL STATION 872 5899 FOR CUTS S-7 THRU S-27 (PID: DL9719)
   NOAA TIDAL STATION 872 5943 FOR CUTS S-28 THRU S-34B (PID: AG7167)
   NOAA TIDAL STATION 872 6083 FOR CUTS S-35 THRU S-48 (PID: AG7713)

   VERTICAL MEASUREMENTS WERE MADE USING A R2 SONIC MULTI-BEAM SYSTEM OPERATING AT 240 KHZ AND AN EDGETECH 6205 S2 MULTI-BEAM SYSTEM OPERATING AT 550 KHZ. ALL SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.

| VESSEL | DATE OF SURVEY | CUT |
|---|---|---|
| SB-52 | 03 MAY 2023 | S-48 |
| SB-52 | 16-17 MAY 2023 | S-35 THRU S-47 |
| SB-48 | 15 AUG 2023 | S-1 THRU S-10 |
| SB-48 | 16 AUG 2023 | S-11 THRU S-28 |
| SB-48 | 17 AUG 2023 | S-29 THRU S-34B |
| SB-48 | 01 SEP 2023 | S-36 THRU S-37B |

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: VRM
Drawn by: VRM
Chk by: GMR
Inv. No.
Dated: AUG 2023

XXXXXXXX-XXXXXXXX.DGN
XXXXXXXX-XXXXXXXX.DGN
XXXXXXXX-XXXXXXXX.DGN
XXXXXXXX-XXXXXXXX.DGN
XXXXXXXX-XXXXXXXX.DGN
GIWW_SARASOTACO_INDEX.DGN
C3D_MCCF_GIWW-C-NC_REALIGNMENT.DGN
23-161-0-BS-BRDR_SA.DGN
References
22-161-VR-001_SAR.DGN
File name:

GULF INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
SARASOTA COUNTY, FLORIDA

HYDROGRAPHIC EXAM SURVEY FY23
9-FOOT PROJECT

INDEX, LOCATION AND VICINITY

MAP

Scale: AS SHOWN

Drawing no.

1

SHEET 01 OF 62

| MAP LABEL | AIDS TO NAVIGATION | PLANE COORDINATES | | LATITUDE | LONGITUDE |
|---|---|---|---|---|---|
| | | X | Y | | |
| INFO SIGN | SIGN (08/23) | 541,085 | 945,803 | 26°56'06.98" | 82°21'11.58" |
| INFO SIGN | SIGN (08/23) | 540,847 | 945,657 | 26°56'05.53" | 82°21'14.21" |

NOTES:
1. REFER TO SURVEY NO. 23-161.
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.
Date: AUG 2023

XXXXXXXXXX-XXXXXXX.DGN
XXXXXXXXXX-XXXXXXX.DGN
XXXXXXXXXX-XXXXXXX.DGN
23-161-XX-XXXX-XXXX.DGN
23-161-NAS0UN_S-1-D.DGN
CSD_MCCF_GIWW-CANG_REALIGNMENT.DGN
23-161-C-ES-BRDR_SA.DGN
Reference files:
23-161-VH-002_SAR.DGN
File name:

GULF INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
SARASOTA COUNTY, FLORIDA

# HYDROGRAPHIC EXAM SURVEY FY23
## 9-FOOT PROJECT

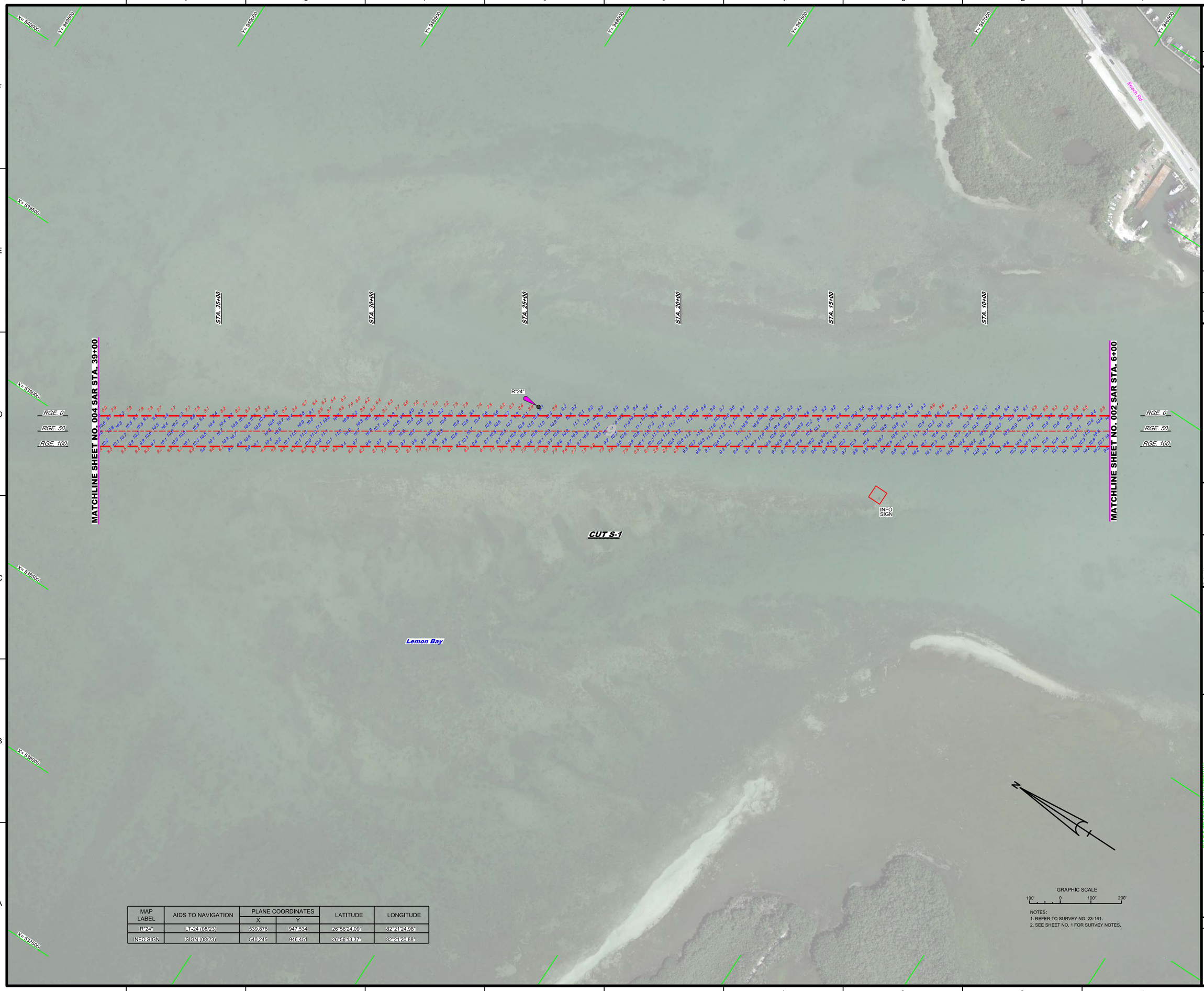
STA. 150+00 CUT C-9 THRU STA. 6+00 CUT S-1

## PLAN

Scale: AS SHOWN

Drawing no.
2

SHEET 02 OF 62




| MAP LABEL | AIDS TO NAVIGATION | PLANE COORDINATES | | LATITUDE | LONGITUDE |
|---|---|---|---|---|---|
| | | X | Y | | |
| R"24" | LT-24 (08/23) | 539,878 | 947,534 | 26°56'24.09" | 82°21'24.98" |
| INFO SIGN | SIGN (08/23) | 540,245 | 946,451 | 26°56'13.37" | 82°21'20.88" |

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 23-161.
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.
Date: AUG 2023

XXXXXXXXX-X-XXXXXX.DGN
XXXXXXXXX-X-XXXXXX.DGN
23-161-NAVD88-2023.DGN
23-161-NASOUN_S-1-D.DGN
CSD_MCCF_GWW-CANG_REALIGNMENT.DGN
23-161-C-ES-BRDR_SA.DGN
Reference files:

23-161-VH-003_SAR.DGN
File name:

GULF INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
SARASOTA COUNTY, FLORIDA

# HYDROGRAPHIC EXAM SURVEY FY23
# 9-FOOT PROJECT

STA. 6+00 THRU STA. 39+00 CUT S-1

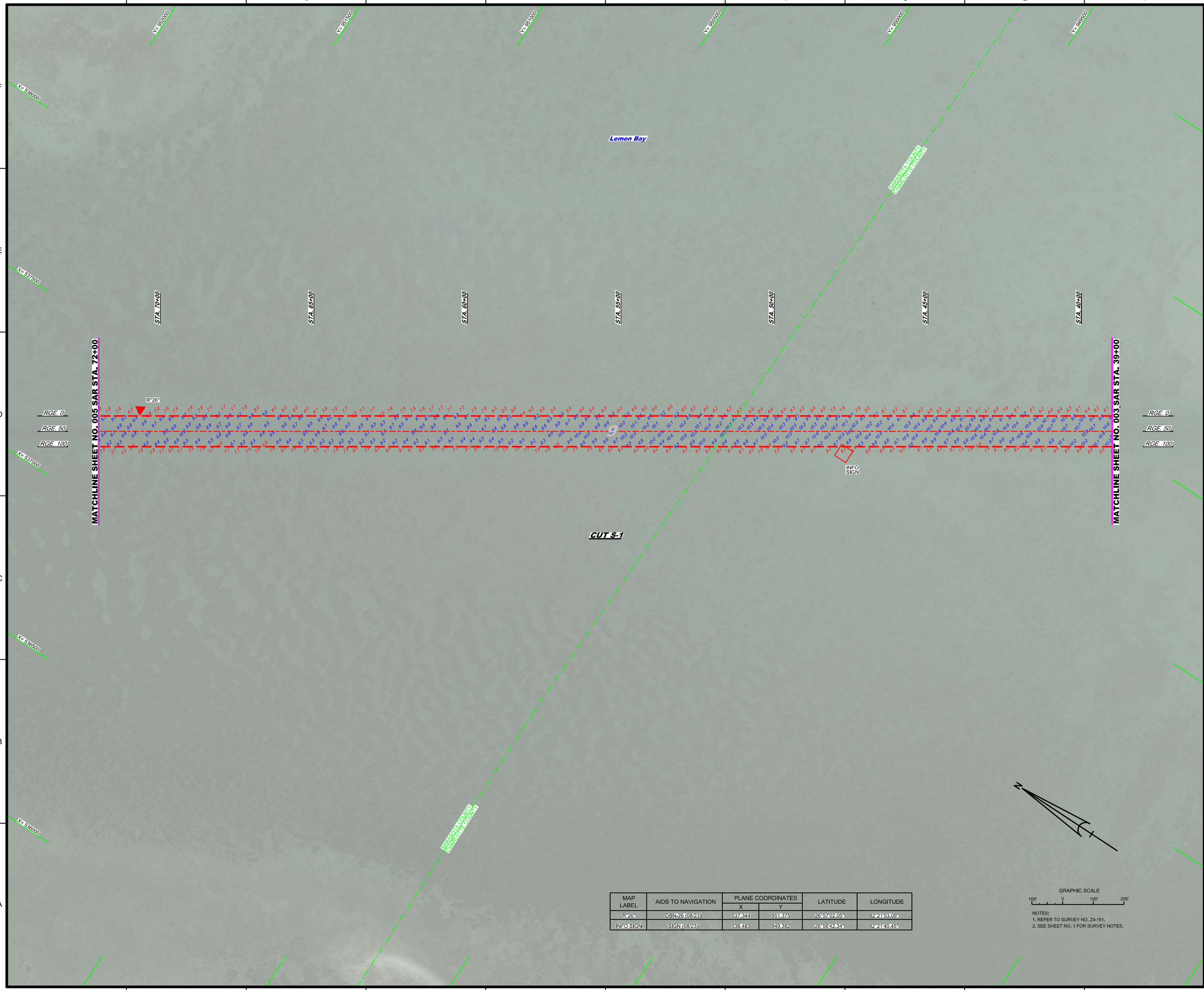
## PLAN

Scale: AS SHOWN

Drawing no.

3

SHEET 03 OF 62




| MAP LABEL | AIDS TO NAVIGATION | PLANE COORDINATES | | LATITUDE | LONGITUDE |
|---|---|---|---|---|---|
| | | X | Y | | |
| R"26" | DBN-26 (08/23) | 537,344 | 951,375 | 26°57'02.05" | 82°21'53.09" |
| INFO SIGN | SIGN (08/23) | 538,483 | 949,382 | 26°56'42.34" | 82°21'40.45" |

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 23-161.
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.
Date: AUG 2023

XXXXXXXXX-XXXXXX.DGN
XXXXXXXX-XXXXXX.DGN
23-161-V-NAV.DGN
23-161-S-SWR-15.DGN
CSD_MCGF_GWW-CAG_REALIGNMENT.DGN
23-161-C-ES-BRDR_SA.DGN
Reference files:
23-161-V-H-004_SAR.DGN
File name:

GULF INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
SARASOTA COUNTY, FLORIDA

# HYDROGRAPHIC EXAM SURVEY FY23
# 9-FOOT PROJECT

STA. 39+00 THRU STA. 72+00 CUT S-1

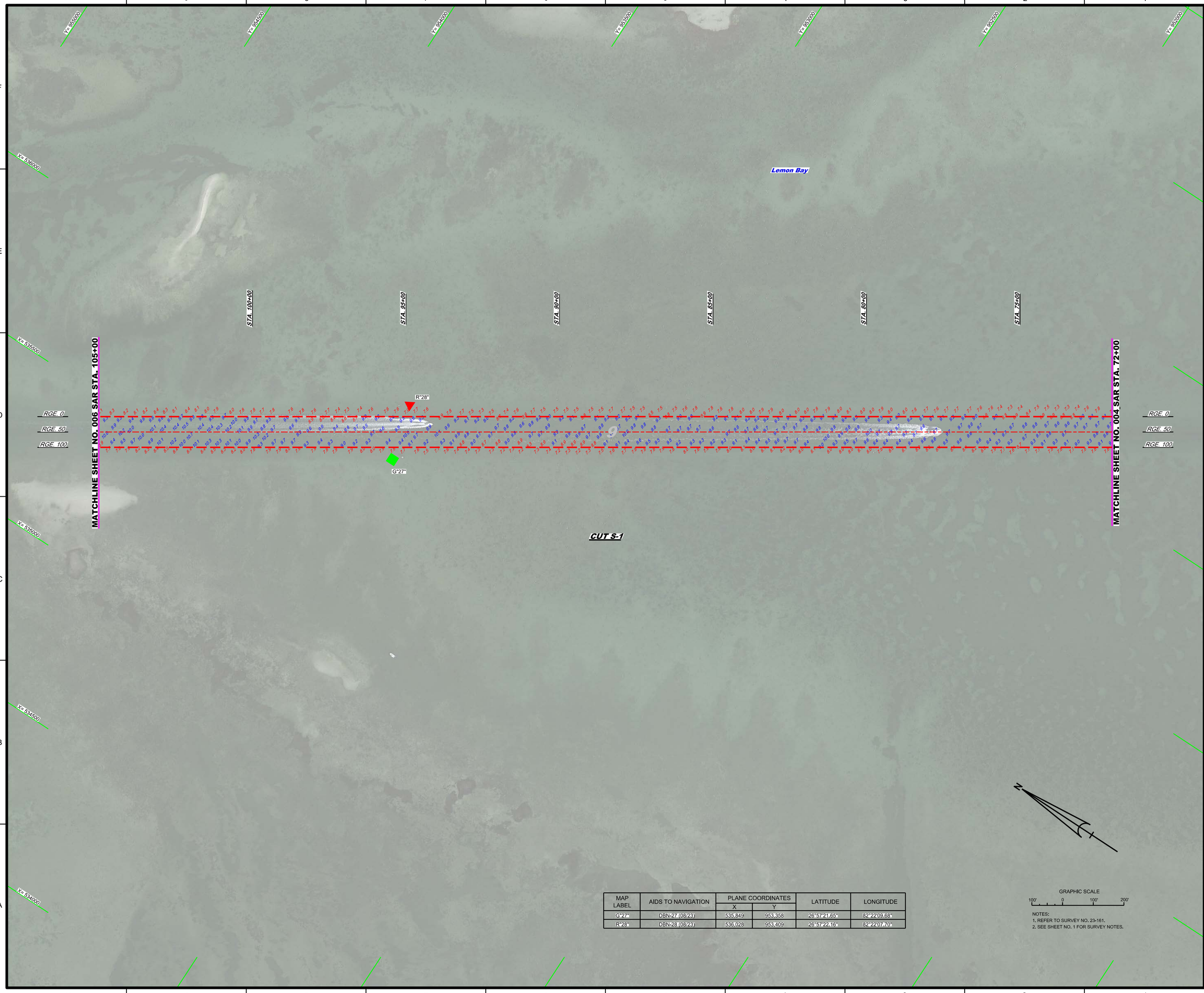
# PLAN

Scale: AS SHOWN

Drawing no.

4

SHEET 04 OF 62




| MAP LABEL | AIDS TO NAVIGATION | PLANE COORDINATES | | LATITUDE | LONGITUDE |
|---|---|---|---|---|---|
| | | X | Y | | |
| G"27" | DBN-27 (08/23) | 535,849 | 953,358 | 26°57'21.65" | 82°22'09.68" |
| R"28" | DBN-28 (08/23) | 536,028 | 953,409 | 26°57'22.16" | 82°22'07.70" |

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 23-161.
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.
Date: AUG 2023

XXXXXXXXX-X-XXXXXXX.DGN
XXXXXXXXX-X-XXXXXXX.DGN
23-161-NAVIGATION.DGN
23-161-N-SOUN_S-1-D.DGN
CSD_MCOF_GWW-CANG_REALIGNMENT.DGN
23-161-C-FS-BRDR_SA.DGN
Reference files:

23-161-VH-005_SAR.DGN
File name:

GULF INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
SARASOTA COUNTY, FLORIDA

# HYDROGRAPHIC EXAM SURVEY FY23
# 9-FOOT PROJECT

STA. 72+00 THRU STA. 105+00 CUT S-1

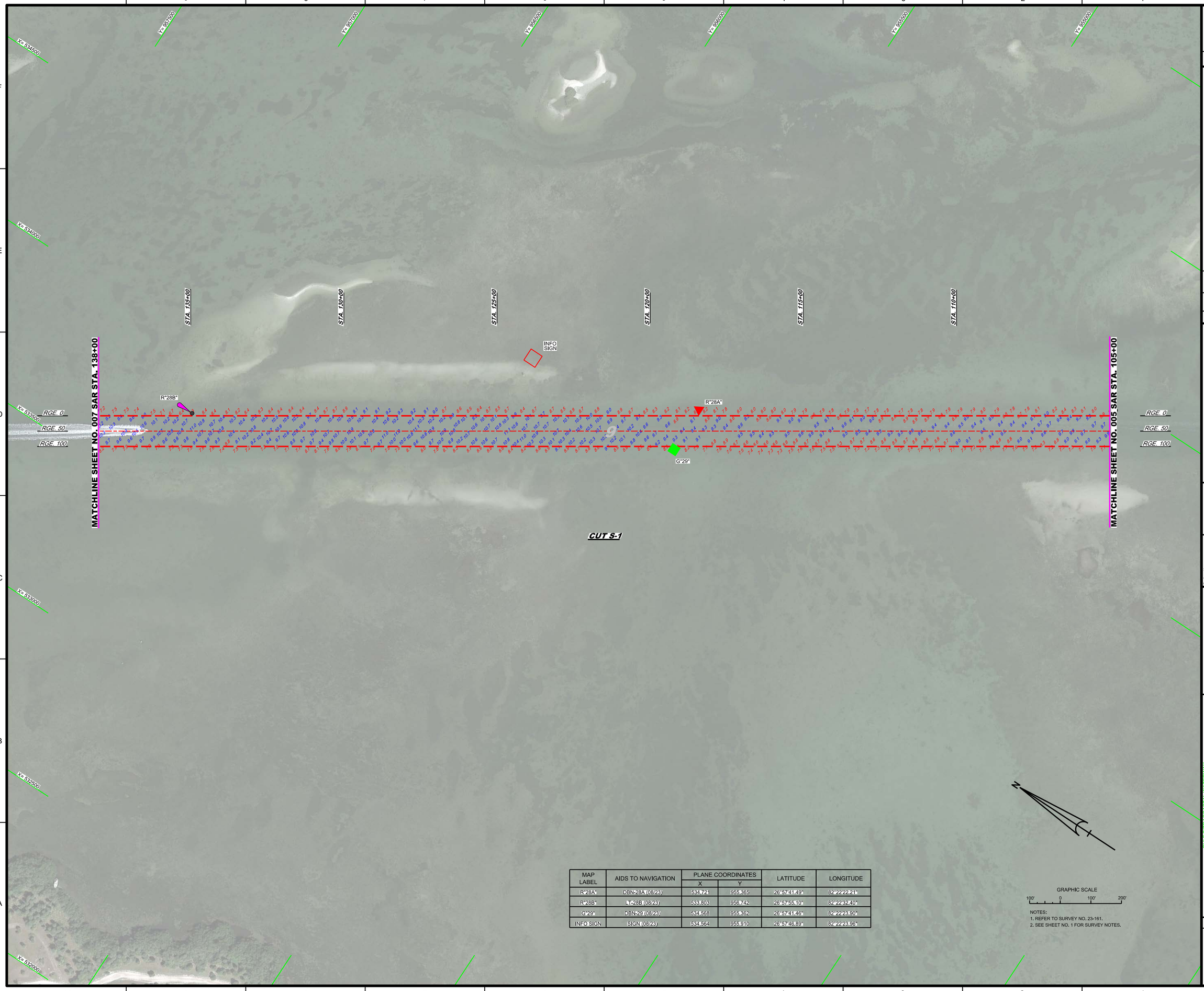
## PLAN

Scale: AS SHOWN

Drawing no.

5

SHEET 05 OF 62




| MAP LABEL | AIDS TO NAVIGATION | PLANE COORDINATES | | LATITUDE | LONGITUDE |
|---|---|---|---|---|---|
| | | X | Y | | |
| R"28A" | DBN-28A (08/23) | 534,721 | 955,365 | 26°57'41.49" | 82°22'22.21" |
| R"28B" | LT-28B (08/23) | 533,803 | 956,742 | 26°57'55.10" | 82°22'32.40" |
| G"29" | DBN-29 (08/23) | 534,568 | 955,362 | 26°57'41.46" | 82°22'23.90" |
| INFO SIGN | SIGN (08/23) | 534,564 | 955,910 | 26°57'46.89" | 82°22'23.96" |

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 23-161.
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.
Date: AUG 2023

XXXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-XXXXXX.DGN
23-161-XX-XXXX.DGN
23-161-NASQUAL_S-1D.DGN
CSD_MCCF_GWW-CANG_REALIGNMENT.DGN
23-161-C-ES-BRDR_SA.DGN
Reference files:
23-161-VHD05_SAR.DGN
File name:

GULF INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
SARASOTA COUNTY, FLORIDA

# HYDROGRAPHIC EXAM SURVEY FY23
## 9-FOOT PROJECT

STA. 105+00 THRU STA. 138+00 CUT S-1

## PLAN

Scale: AS SHOWN

Drawing no.

6

SHEET 06 OF 62

| MAP LABEL | AIDS TO NAVIGATION | PLANE COORDINATES | | LATITUDE | LONGITUDE |
|---|---|---|---|---|---|
| | | X | Y | | |
| R"30" | DBN-30 (08/23) | 533,378 | 957,416 | 26°58'01.77" | 82°22'37.12" |

NOTES:
1. REFER TO SURVEY NO. 23-161.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

| No. | Symbol | Zone |
|---|---|---|

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

Chief by: CMR
Designed by: VIRM
DWN by: VIRM
Rev. No.
Date: AUG 2023

XXXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-XXXXXX.DGN
23-161-XXXXXX.DGN
23-161-N-SQUIL_S-1D.DGN
CSD_MCCF_GIWW-CANG_REALIGNMENT.DGN
23-161-C-FS-BRDR_SA.DGN
Reference files:
23-161-VH-007_SAR.DGN
File name:

GULF INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
SARASOTA COUNTY, FLORIDA

# HYDROGRAPHIC EXAM SURVEY FY23
# 9-FOOT PROJECT

STA. 138+00 THRU STA. 171+00 CUT S-1

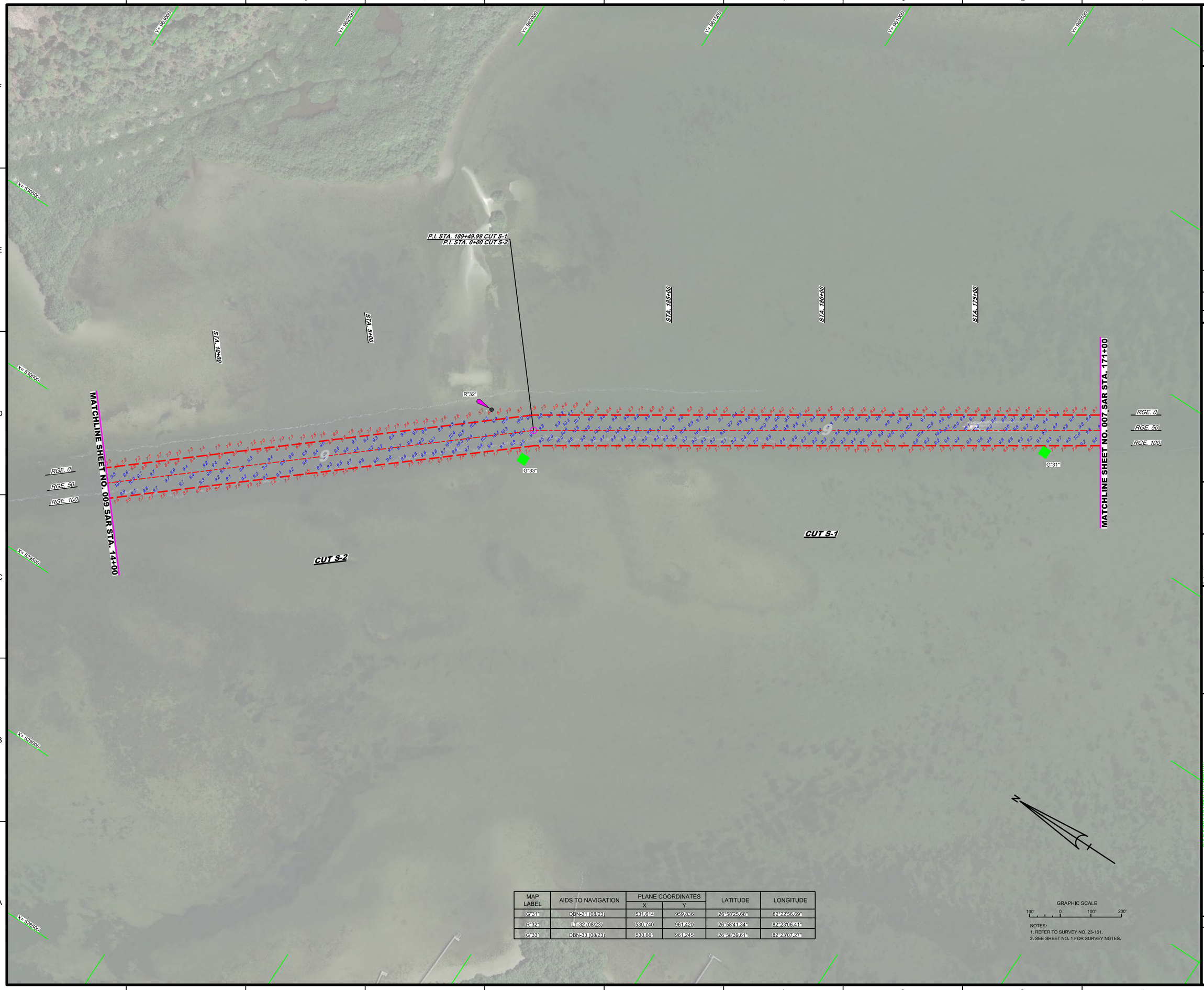
## PLAN

Scale: AS SHOWN

Drawing no.

7

SHEET 07 OF 62




| MAP LABEL | AIDS TO NAVIGATION | PLANE COORDINATES | | LATITUDE | LONGITUDE |
|---|---|---|---|---|---|
| | | X | Y | | |
| G"31" | DBN-31 (08/23) | 531,614 | 959,836 | 26°58'25.68" | 82°22'56.69" |
| R"32" | LT-32 (08/23) | 530,740 | 961,420 | 26°58'41.34" | 82°23'06.41" |
| G"33" | DBN-33 (08/23) | 530,661 | 961,245 | 26°58'39.61" | 82°23'07.27" |

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 23-161.
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.
Date: AUG 2023

XXXXXXXXX-XXXXXXX.DGN
23-161-XX-SOUN_XX.DGN
23-161-N-SOUN_S1-10.DGN
CSD_MCCF_GWW-CANG_REALIGNMENT.DGN
23-161-C-ES-BRDR_SA.DGN
Reference files:

23-161-VH-008_SAR.DGN
File name:

GULF INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
SARASOTA COUNTY, FLORIDA

# HYDROGRAPHIC EXAM SURVEY FY23
## 9-FOOT PROJECT

STA. 171+00 CUT S-1 THRU STA. 14+00 CUT S-2

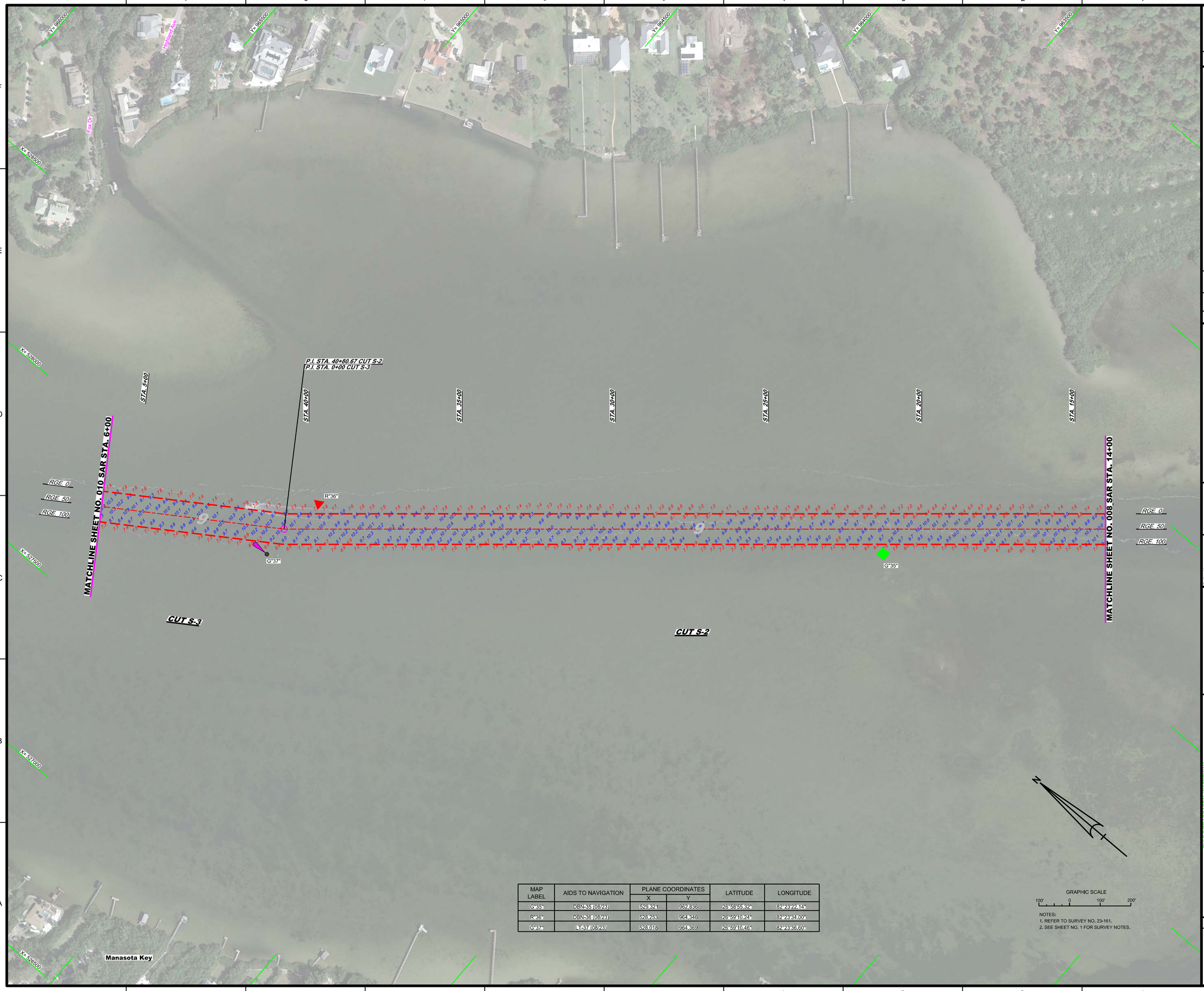
## PLAN

Scale: AS SHOWN

Drawing no.

8

SHEET 08 OF 62




| MAP LABEL | AIDS TO NAVIGATION | PLANE COORDINATES | | LATITUDE | LONGITUDE |
|---|---|---|---|---|---|
| | | X | Y | | |
| G"35" | DBN-35 (08/23) | 529,321 | 962,836 | 26°58'55.32" | 82°23'22.14" |
| R"36" | DBN-36 (08/23) | 528,253 | 964,346 | 26°59'10.24" | 82°23'34.00" |
| G"37" | LT-37 (08/23) | 528,018 | 964,369 | 26°59'10.46" | 82°23'36.60" |

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
Chd by: CMR
Rev. No.
Date: AUG 2023

XXXXXXXXX-XXXXXXX.DGN
23-161-NAVSUM_XXXX.DGN
23-161-NAVSUM_S-10.DGN
CSD_MCOF_GWW-CANG_REALIGNMENT.DGN
23-161-C-ES-BRDR_SA.DGN
Reference files:

23-161-VH-009_SAR.DGN
File name:

GULF INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
SARASOTA COUNTY, FLORIDA

# HYDROGRAPHIC EXAM SURVEY FY23
## 9-FOOT PROJECT

STA. 14+00 CUT S-2 THRU STA. 6+00 CUT S-3

## PLAN

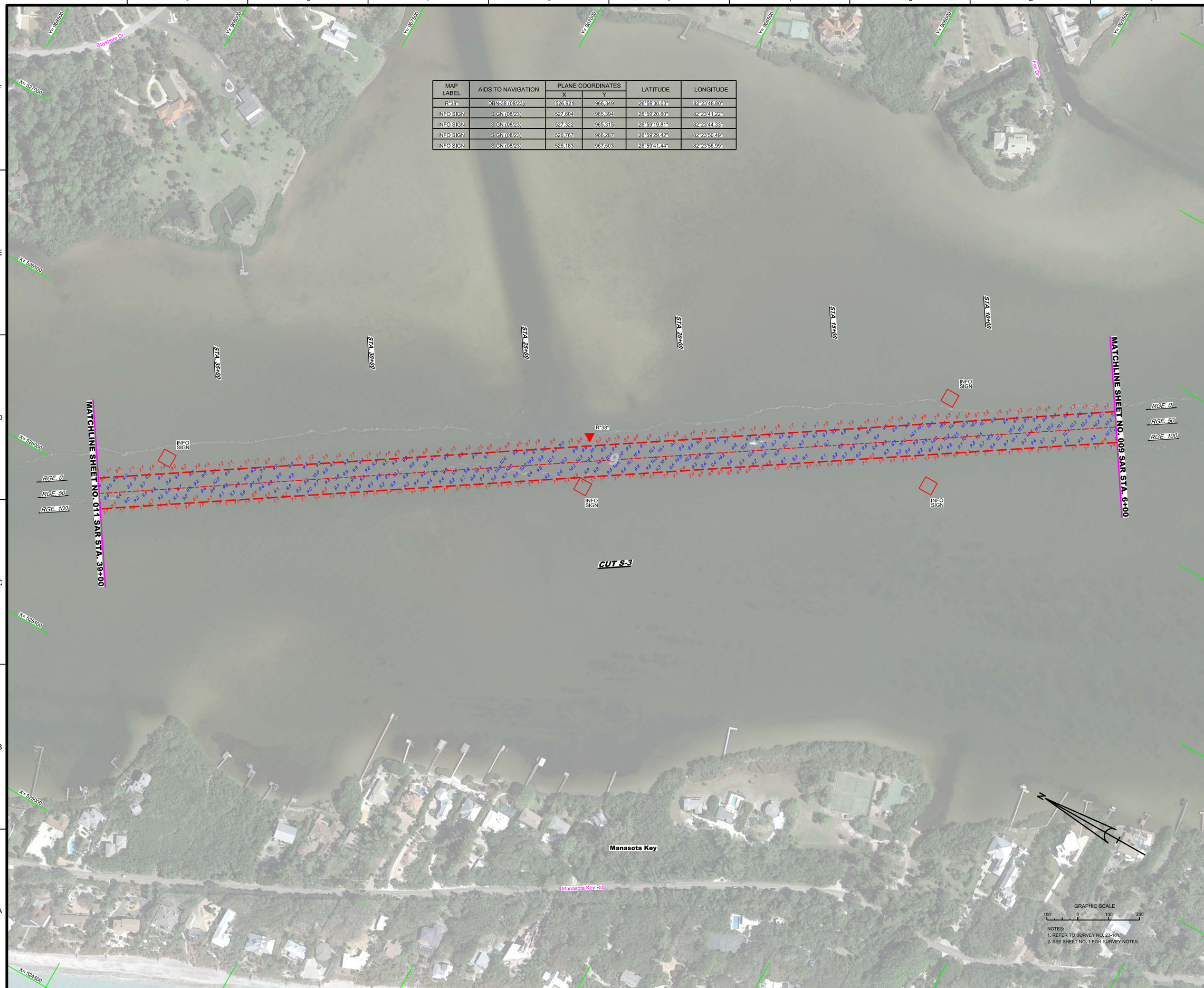
Scale: AS SHOWN

Drawing no.

9

SHEET 09 OF 62

| MAP LABEL | AIDS TO NAVIGATION | PLANE COORDINATES | | LATITUDE | LONGITUDE |
|---|---|---|---|---|---|
| | | X | Y | | |
| R"38" | DBN-38 (08/23) | 526,921 | 966,349 | 26°59'30.03" | 82°23'48.80" |
| INFO SIGN | SIGN (08/23) | 527,604 | 965,394 | 26°59'20.60" | 82°23'41.22" |
| INFO SIGN | SIGN (08/23) | 527,322 | 965,315 | 26°59'19.81" | 82°23'44.33" |
| INFO SIGN | SIGN (08/23) | 526,767 | 966,287 | 26°59'29.42" | 82°23'50.49" |
| INFO SIGN | SIGN (08/23) | 526,183 | 967,503 | 26°59'41.44" | 82°23'56.99" |




NOTES:
1. REFER TO SURVEY NO. 23-161.
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.
Date: AUG 2023

XXXXXXXXX-X-XXXXXXX.DGN
XXXXXXXXX-X-XXXXXXX.DGN
23-161-XX-XXXX-XX.DGN
23-161-NAS-SUM_S-1-01.DGN
CSD_MCCF_GWW-CANG_REALIGNMENT.DGN
23-161-C-ES-SHDR_SA.DGN
Reference files:
23-161-VH-010_SAR.DGN
File name:

GULF INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
SARASOTA COUNTY, FLORIDA

**HYDROGRAPHIC EXAM SURVEY FY23**
**9-FOOT PROJECT**

STA. 6+00 THRU STA. 39+00 CUT S-3

**PLAN**

Scale: AS SHOWN

Drawing no.

**10**

SHEET 10 OF 62

| MAP LABEL | AIDS TO NAVIGATION | PLANE COORDINATES | | LATITUDE | LONGITUDE |
|---|---|---|---|---|---|
| | | X | Y | | |
| G"39" | LT-39 (08/23) | 525,285 | 968,521 | 26°59'51,50" | 82°24'06,96" |
| R"40" | DBN-40 (09/20) | 525,454 | 968,547 | 26°59'51,75" | 82°24'05,09" |
| G"41" | DBN-41 (08/23) | 524,404 | 970,356 | 27°00'09,63" | 82°24'16,76" |

NOTES:
1. REFER TO SURVEY NO. 23-161.
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.
Date: AUG 2023

XXXXXXXXX-XXXXXX.DGN
23-161-NAVSUM_S-10.DGN
CSD_MCCF_GWW-CANG_REALIGNMENT.DGN
23-161-CHS-BRDR_SA.DGN
Reference files:

23-161-VH-011_SAR.DGN
File name:

GULF INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
SARASOTA COUNTY, FLORIDA

# HYDROGRAPHIC EXAM SURVEY FY23
# 9-FOOT PROJECT

STA. 39+00 CUT S-3 THRU STA. 22+00 CUT S-4

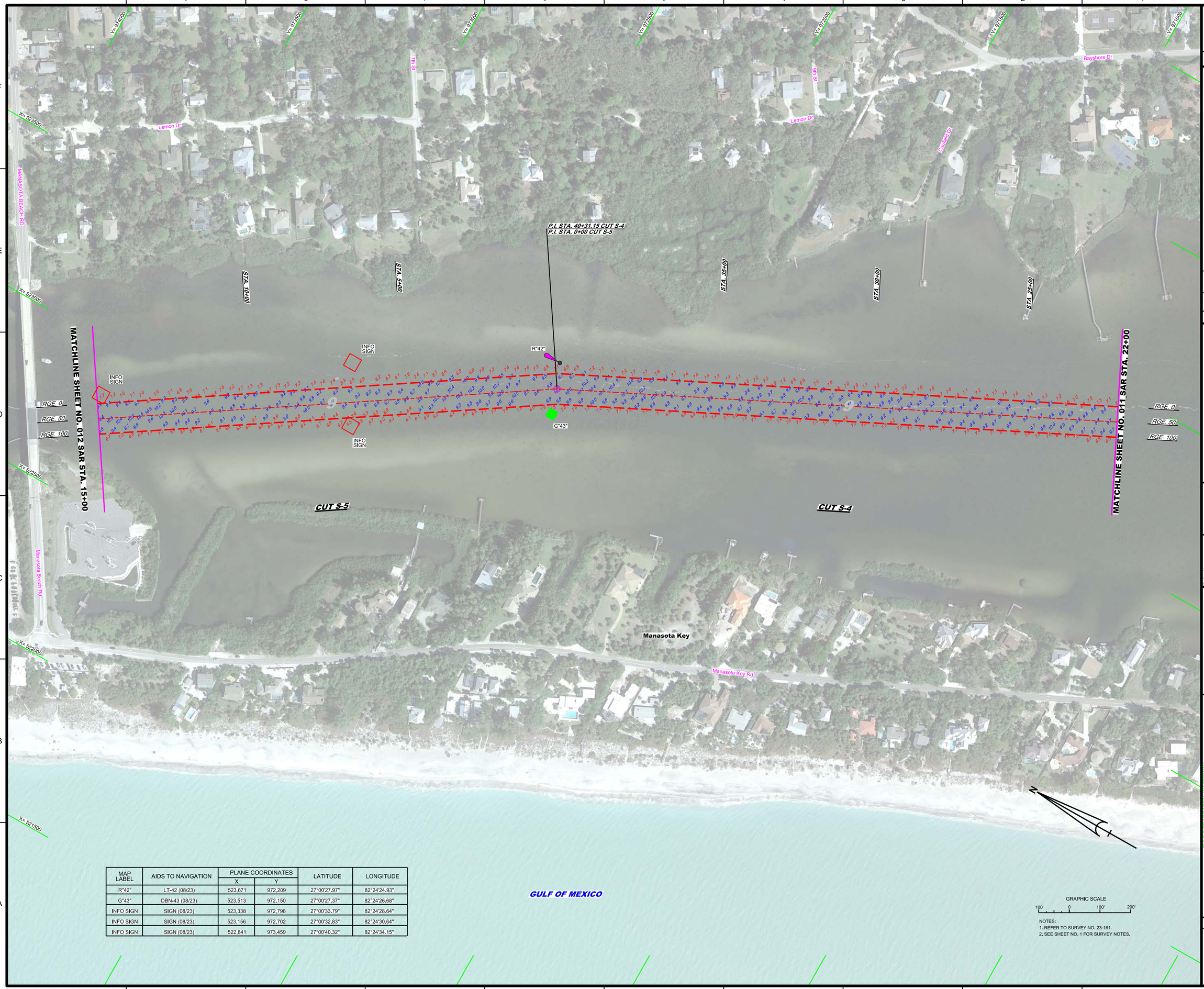
## PLAN

Scale: AS SHOWN

Drawing no.

11

SHEET 11 OF 62




| MAP LABEL | AIDS TO NAVIGATION | PLANE COORDINATES | | LATITUDE | LONGITUDE |
|---|---|---|---|---|---|
| | | X | Y | | |
| R"42" | LT-42 (08/23) | 523,671 | 972,209 | 27°00'27.97" | 82°24'24.93" |
| G"43" | DBN-43 (08/23) | 523,513 | 972,150 | 27°00'27.37" | 82°24'26.68" |
| INFO SIGN | SIGN (08/23) | 523,338 | 972,798 | 27°00'33.79" | 82°24'28.64" |
| INFO SIGN | SIGN (08/23) | 523,156 | 972,702 | 27°00'32.83" | 82°24'30.64" |
| INFO SIGN | SIGN (08/23) | 522,841 | 973,459 | 27°00'40.32" | 82°24'34.15" |

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 23-161.
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.:
Date: AUG 2023

XXXXXXXXXX-XXXXXXX.DGN
XXXXXXXXXX-XXXXXXX.DGN
23-161A-SDUN_S1-10.DGN
C3D_MCCF_GRWV-C-NG_REALIGNMENT.DGN
23-161C-EB-BRDR_SA.DGN
Reference files:
23-161-HH012_SAR.DGN
File name:

GULF INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
SARASOTA COUNTY, FLORIDA

# HYDROGRAPHIC EXAM SURVEY FY23
## 9-FOOT PROJECT

STA. 22+00 CUT S-4 THRU STA. 15+00 CUT S-5

## PLAN

Scale: AS SHOWN

Drawing no.
12

SHEET 12 OF 62

| MAP LABEL | AIDS TO NAVIGATION | PLANE COORDINATES | | LATITUDE | LONGITUDE |
|---|---|---|---|---|---|
| | | X | Y | | |
| G"45" | DBN-45 (08/23) | 521,434 | 975,399 | 27°00'59.49" | 82°24'49.78" |
| INFO SIGN | SIGN (08/23) | 522,626 | 973,790 | 27°00'43.59" | 82°24'36.54" |
| INFO SIGN | SIGN (08/23) | 522,481 | 973,747 | 27°00'43.16" | 82°24'38.15" |
| INFO SIGN | SIGN (08/23) | 522,667 | 973,445 | 27°00'40.18" | 82°24'36.08" |

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 23-161.
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
Cad by: GMB
Rev. No.
Date: AUG 2023

XXXXXXXXXX-XXXXXXX.DGN
XXXXXXXXXX-XXXXXXX.DGN
XXXXXXXXXX-XXXXXXX.DGN
23-161-IVASQUIN_S1-10.DGN
CSD_MCCF_GWW-CANG_REALIGNMENT.DGN
23-161-CESBROR_SAR.DGN
Reference files:
23-161-IVHD12_SAR.DGN
File name:

GULF INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
SARASOTA COUNTY, FLORIDA

# HYDROGRAPHIC EXAM SURVEY FY23
# 9-FOOT PROJECT

STA. 15+00 CUT S-5 THRU STA. 31+00 CUT S-6

## PLAN

Scale: AS SHOWN

Drawing no.

13

SHEET 13 OF 62

| MAP LABEL | AIDS TO NAVIGATION | PLANE COORDINATES | | LATITUDE | LONGITUDE |
|---|---|---|---|---|---|
| | | X | Y | | |
| R"46" | DBN-46 (08/23) | 520,287 | 977,423 | 27°01'19.50" | 82°25'02.54" |

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 23-161.
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
Inv. No.
Date: AUG 2023

XXXXXXXXXX-XXXXXXX.DGN
XXXXXXXXXX-XXXXXXX.DGN
XXXXXXXXXX-XXXXXXX.DGN
XXXXXXXXXX-XXXXXXX.DGN
23-161-VS-SUR_S1-10.DGN
C3D_MCCF_GRWH-CANG_REALIGNMENT.DGN
23-161-CABS-BRDR_SAD.DGN
Reference files:
23-161-VH-014_SAR.DGN
File name:

GULF INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
SARASOTA COUNTY, FLORIDA

# HYDROGRAPHIC EXAM SURVEY FY23
## 9-FOOT PROJECT

STA. 31+00 THRU STA. 64+00 CUT S-6

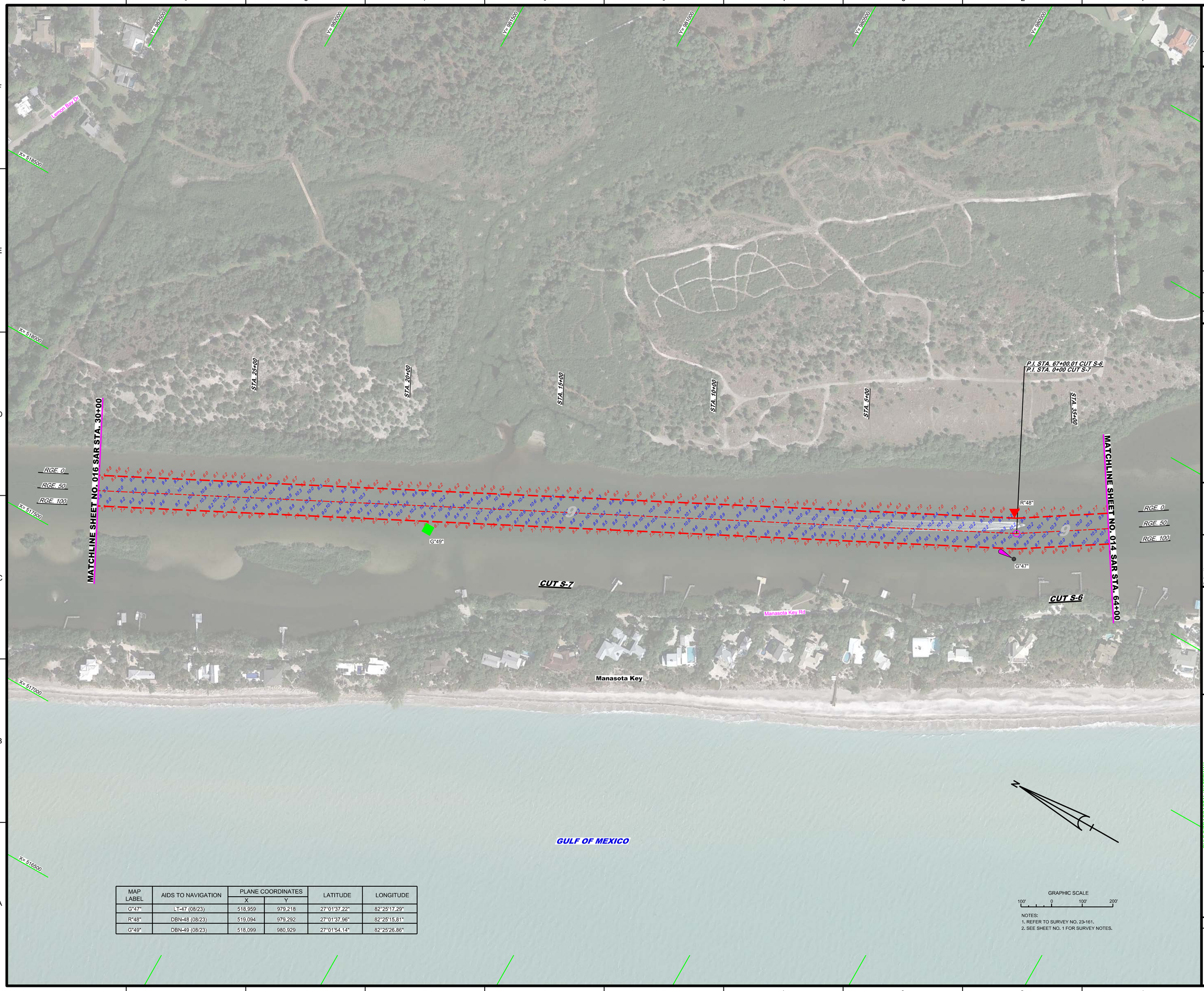
## PLAN

Scale: AS SHOWN

Drawing no.

14

SHEET 14 OF 62




| MAP LABEL | AIDS TO NAVIGATION | PLANE COORDINATES | | LATITUDE | LONGITUDE |
|---|---|---|---|---|---|
| | | X | Y | | |
| G"47" | LT-47 (08/23) | 518,959 | 979,218 | 27°01'37.22" | 82°25'17.29" |
| R"48" | DBN-48 (08/23) | 519,094 | 979,292 | 27°01'37.96" | 82°25'15.81" |
| G"49" | DBN-49 (08/23) | 518,099 | 980,929 | 27°01'54.14" | 82°25'26.86" |

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 23-161.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

| No. | Symbol | Zone |
|---|---|---|

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

Chief by: CMR
Designed by: VIRM
DWN by: VIRM
Rev. No.
Date: AUG 2023

XXXXXXXXX-XXXXXX.DGN
XXXXXXXXX-XXXXXX.DGN
XXXXXXXXX-XXXXXX.DGN
23-161-NASQUN_S-10.DGN
CSD_MCCF_GRWW-CANG_REALIGNMENT.DGN
23-161-CHS-BRDR_SA.DGN
Reference files:
23-161-VHH15_SAR.DGN
File name:

GULF INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
SARASOTA COUNTY, FLORIDA

**HYDROGRAPHIC EXAM SURVEY FY23**
**9-FOOT PROJECT**

STA. 64+00 CUT S-6 THRU STA. 30+00 CUT S-7

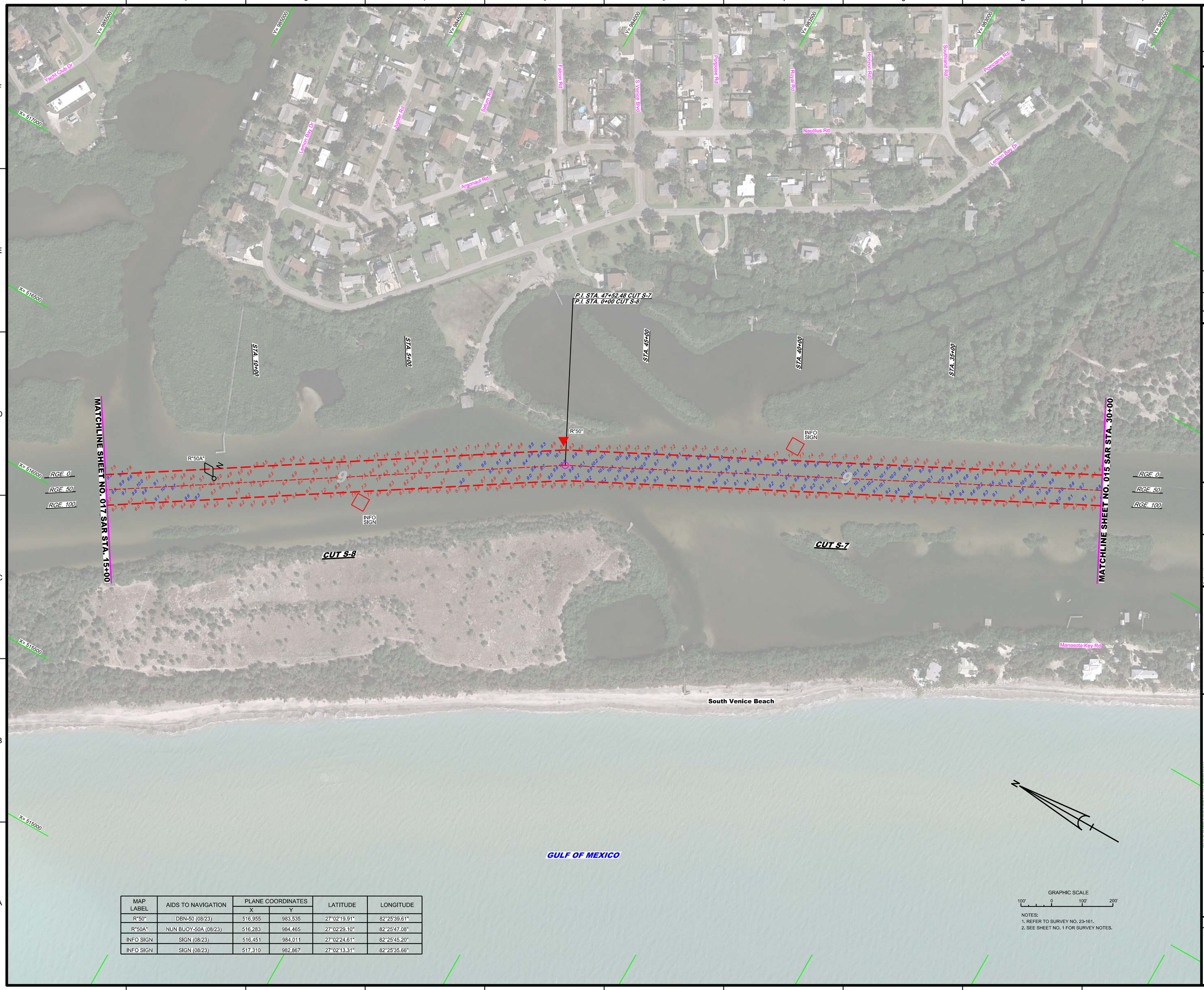
**PLAN**

Scale: AS SHOWN

Drawing no.

**15**

SHEET 15 OF 62




| MAP LABEL | AIDS TO NAVIGATION | PLANE COORDINATES | | LATITUDE | LONGITUDE |
|---|---|---|---|---|---|
| | | X | Y | | |
| R"50" | DBN-50 (08/23) | 516,955 | 983,535 | 27°02'19.91" | 82°25'39.61" |
| R"50A" | NUN BUOY-50A (08/23) | 516,283 | 984,465 | 27°02'29.10" | 82°25'47.08" |
| INFO SIGN | SIGN (08/23) | 516,451 | 984,011 | 27°02'24.61" | 82°25'45.20" |
| INFO SIGN | SIGN (08/23) | 517,310 | 982,867 | 27°02'13.31" | 82°25'35.66" |

NOTES:
1. REFER TO SURVEY NO. 23-161.
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
Proj. No.
Date: AUG 2023

XXXXXXXXXX-XXXXXXX.DGN
XXXXXXXXXX-XXXXXXX.DGN
23-161A-SOUN_S1-10.DGN
C3D_MCCF_GWW-CAIG_REALIGNMENT.DGN
23-161-CR-SR-PROF_3A.DGN
Reference files
23-161-VRH16_SAR.DGN
File name:

GULF INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
SARASOTA COUNTY, FLORIDA

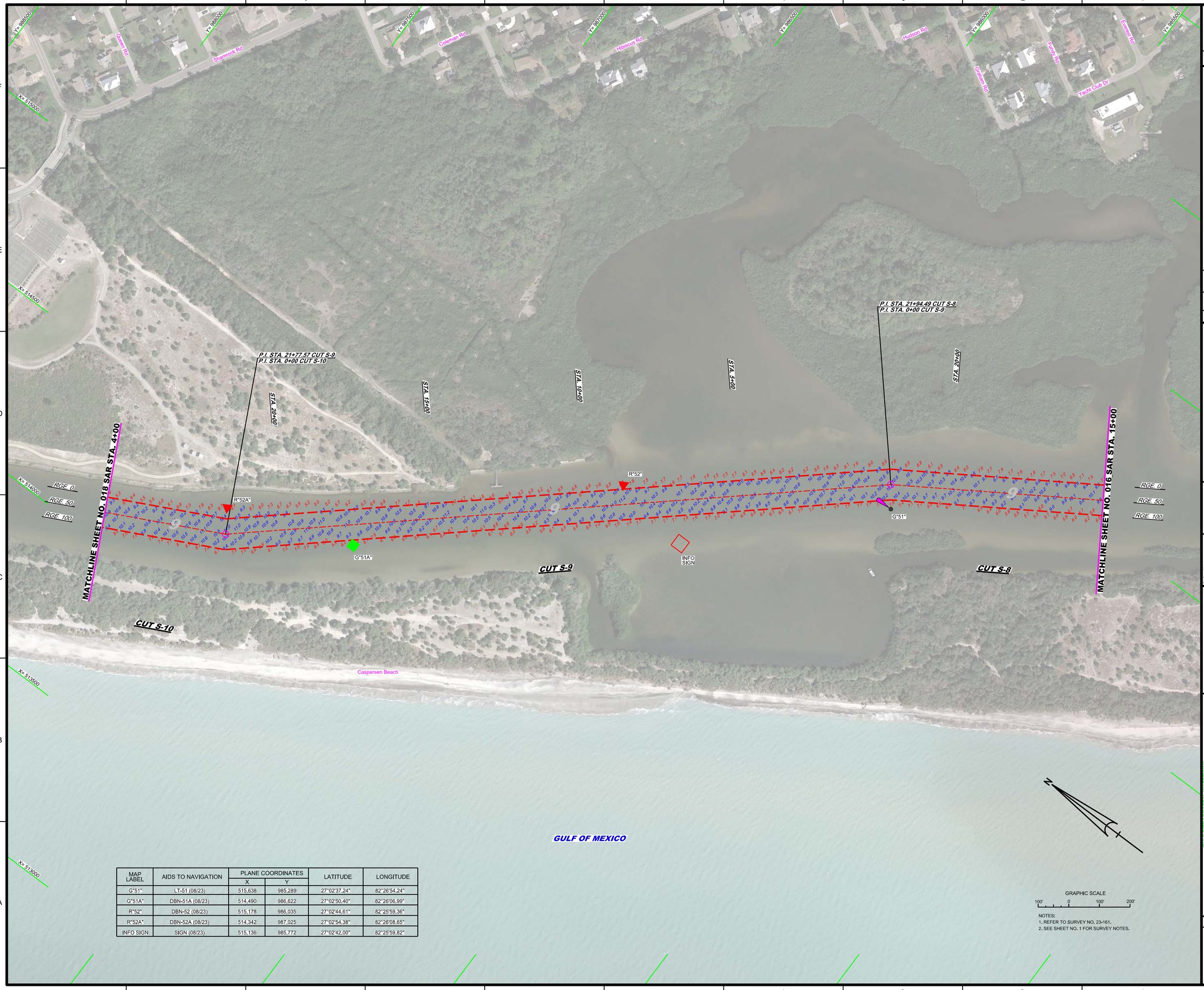
# HYDROGRAPHIC EXAM SURVEY FY23
## 9-FOOT PROJECT
STA. 30+00 CUT S-7 THRU STA. 15+00 CUT S-8

# PLAN

Scale: AS SHOWN

Drawing no.
16

SHEET 16 OF 62




| MAP LABEL | AIDS TO NAVIGATION | PLANE COORDINATES | | LATITUDE | LONGITUDE |
|---|---|---|---|---|---|
| | | X | Y | | |
| G"51" | LT-51 (08/23) | 515,638 | 985,289 | 27°02'37.24" | 82°26'54.24" |
| G"51A" | DBN-51A (08/23) | 514,490 | 986,622 | 27°02'50.40" | 82°26'06.99" |
| R"52" | DBN-52 (08/23) | 515,178 | 986,035 | 27°02'44.61" | 82°25'59.36" |
| R"52A" | DBN-52A (08/23) | 514,342 | 987,025 | 27°02'54.38" | 82°26'08.65" |
| INFO SIGN | SIGN (08/23) | 515,136 | 985,772 | 27°02'42.00" | 82°25'59.82" |

NOTES:
1. REFER TO SURVEY NO. 23-161.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

| No. | Symbol | Zone |
|---|---|---|

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

Chief by: CMR
Designed by: VIRM
DWN by: VIRM
Rev. No.
Date: AUG 2023

XXXXXXXXX-XXXXXX.DGN
23-161-VH-S-CUT S-10.DGN
CSD_MCCF_GRWW-CANG_REALIGNMENT.DGN
23-161-C-PS-SHDR_SA.DGN
Reference files:
23-161-VH-017_SAR.DGN
File name:

GULF INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
SARASOTA COUNTY, FLORIDA

# HYDROGRAPHIC EXAM SURVEY FY23
## 9-FOOT PROJECT

STA. 15+00 CUT S-8 THRU STA. 4+00 CUT S-10

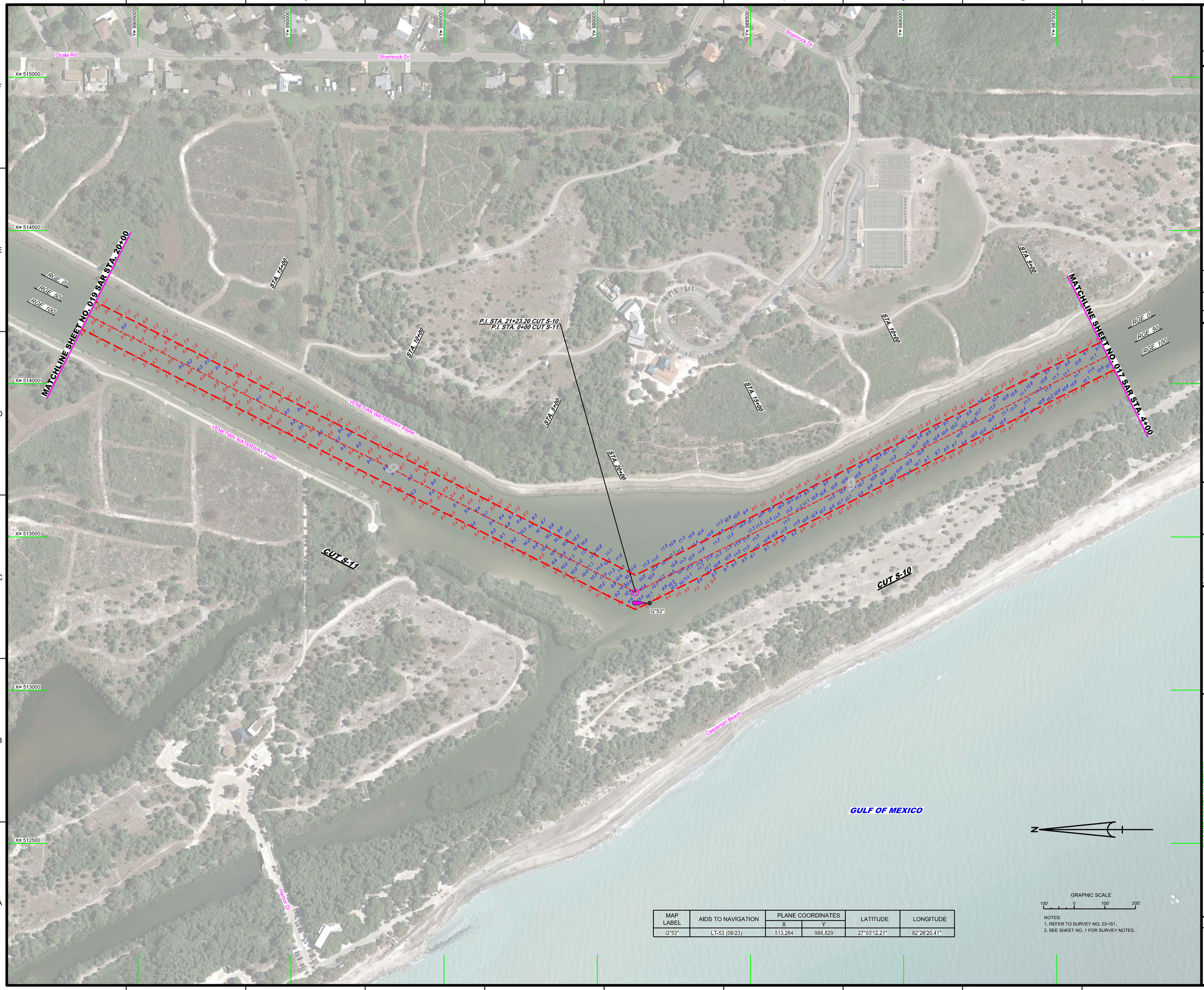
## PLAN

Scale: AS SHOWN

Drawing no.

17

SHEET 17 OF 62




| MAP LABEL | AIDS TO NAVIGATION | PLANE COORDINATES | | LATITUDE | LONGITUDE |
|---|---|---|---|---|---|
| | | X | Y | | |
| G"53" | LT-53 (08/23) | 513,284 | 988,829 | 27°03'12.21" | 82°26'20.41" |

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 23-161.
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.:
Date: AUG 2023

XXXXXXXXXX-XXXXXXX.DGN
XXXXXXXXXX-XXXXXXX.DGN
23-161-MAV_D.DGN
23-161-MAV_S1-S5_A-D.DGN
23-161-IA-SOUN_S11-S6.DGN
C3D_MCCF_GRWV-C-NG_REALIGNMENT.DGN
23-161-C-BS-BRDR_SA.DGN
Reference files:

23-161-IAHH018_SAR.DGN
File name:

GULF INTRACOASTAL WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
SARASOTA COUNTY, FLORIDA

# HYDROGRAPHIC EXAM SURVEY FY23
## 9-FOOT PROJECT

STA. 4+00 CUT S-10 THRU STA. 20+00 CUT S-11

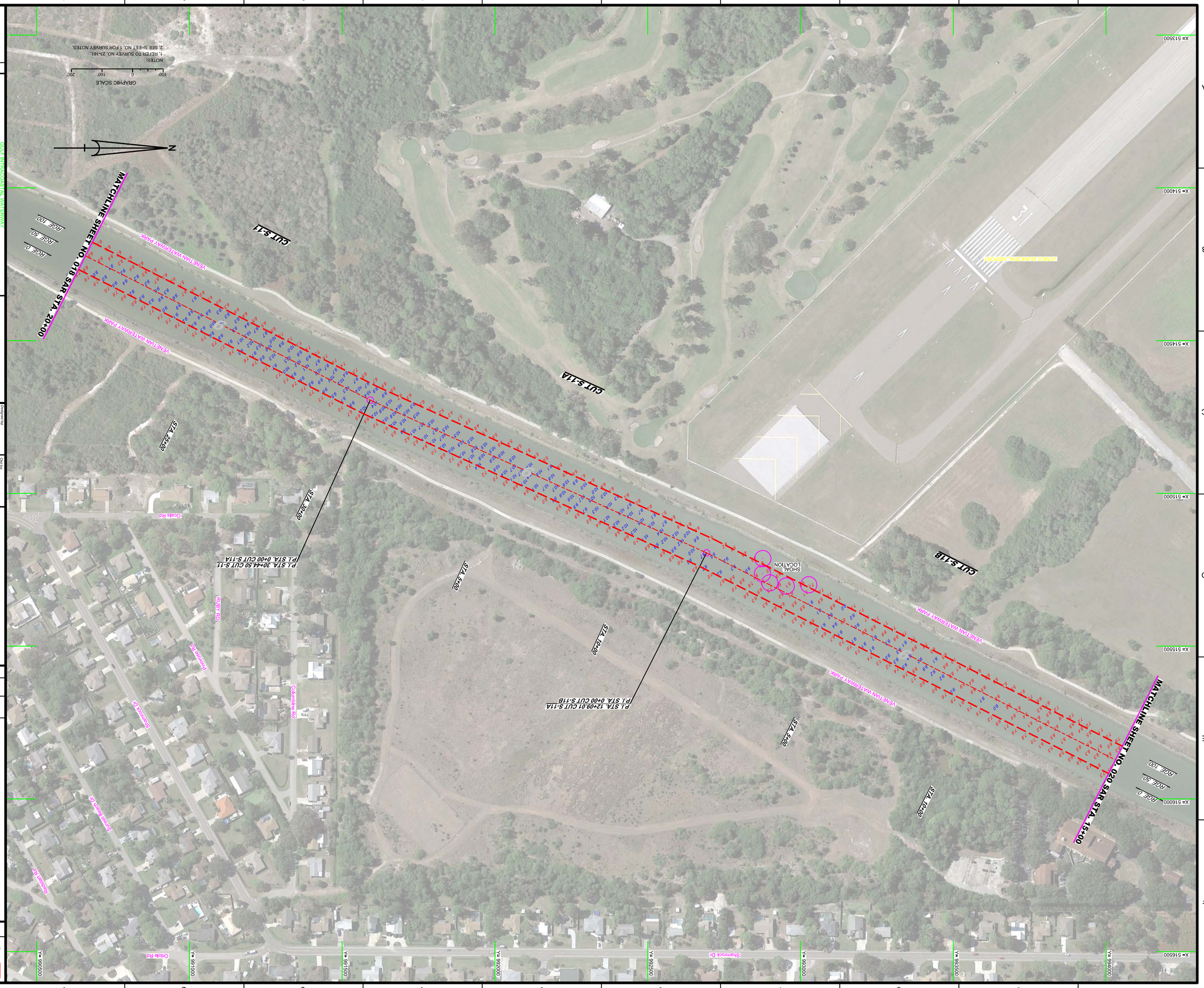
## PLAN

Scale: AS SHOWN

Drawing no.

18

SHEET 18 OF 62




SHEET 19 OF 62

**19**

Drawing no.

Scale: AS SHOWN

SHEETINT RECREATION WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
SARASOTA COUNTY, FLORIDA

**HYDROGRAPHIC EXAM SURVEY FY23**
**9-FOOT PROJECT**

STA. 20+00 CUT S-11 THRU STA. 15+00 CUT S-11B

**PLAN**

XXXXXXXXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXXXXXXXX.DGN
23-161-XXXXXXXXXXXXXXXXXX
23-161-XXXXXXXXXXXXXXXXXX
23-161-XXXXXXXXXXXXXXXXXX
23-161-XXXXXXXXXXXXXXXXXX
CBD_MCCF_GRWA-HG_REALIGNMENT.DGN
22-161-GEBS-BRDR_SAR.DGN
Reference files:

23-161-VH-015_SAR.DGN
File name:

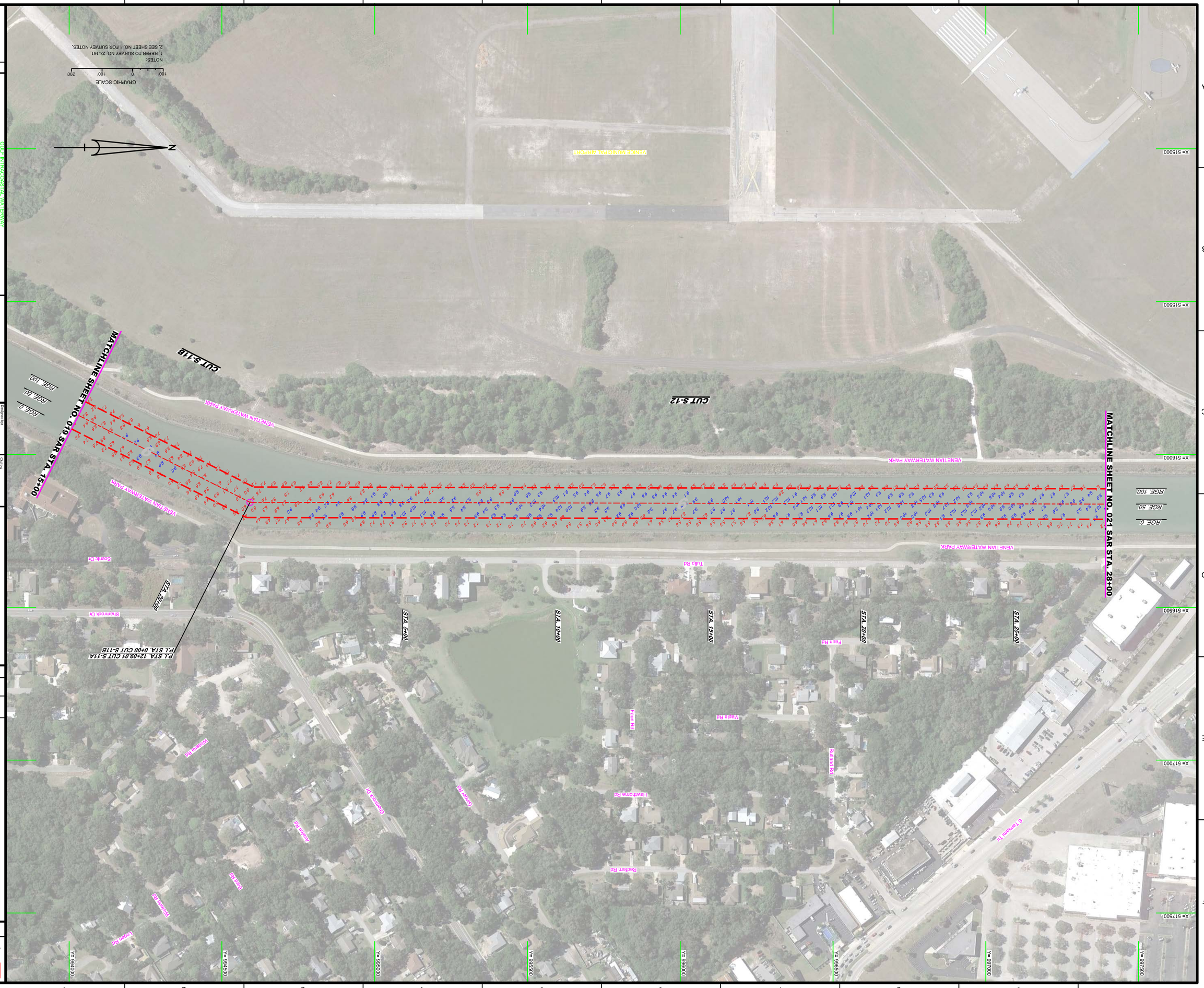
Designed by: WRM
Drawn by: WRM
Checked by: GMR
Proj. No.:
Domain: AUG 2023

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




SHEET 20 OF 62

**20**

Drawing no.

Scale: AS SHOWN

SILT INTRODUCED INTO WATERWAY
CALOOSAHATCHEE RIVER TO ANCLOTE RIVER
SARASOTA COUNTY, FLORIDA

# HYDROGRAPHIC EXAM SURVEY FY23
# 9-FOOT PROJECT

STA. 15+00 CUT S-11B THRU STA. 28+00 CUT S-12

## PLAN

XXXXXXXXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXXXXXXXX.DGN
23-161A-SOUN_S11-28.DGN
XXXXXXXXXXXXXXXXXXXXXXXX.DGN
CBD_MCCF_GRWA-CAIG_REALIGNMENT.DGN
22+161-4-ESS-SRDR_SAUDGN
Reference files:

23+161-VH-H20_SAR.DGN
File name:

Designed by: WRM
Drawn by: WRM
Checked by: GMR
Trv. No.:
Domic: AUG 2023

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

| No. | Symbol | Zone |
|---|---|---|
| | | |

US Army Corps
of Engineers
Jacksonville District

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