MANATEE RIVER
MANATEE COUNTY, FLORIDA
PROJECT CONDITION SURVEY FY22
4, 9 AND 12-FOOT PROJECT

SURVEY NOTES

1. REFER TO SURVEY NO. 22-079.
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: "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 FOR POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATION:

   REFERENCE BASE LOCATED AT "T 695" (PID: DL1770)

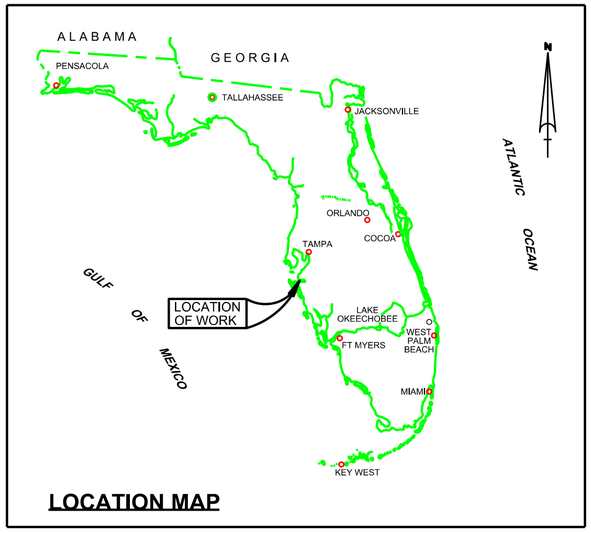
   REFERENCE BASE LOCATED AT "COB 1006" (PID: DO6890)
8. DEPTHS DEPICTED BY THIS SURVEY ARE REFERENCED TO MLLW. TIDAL EPOCH 1983-2001, AS REPORTED BY THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA). a MODIFIED VERSION OF NOAA'S VDATUM MODEL WAS USED TO CALIBRATE TO THE OUBLISHED MLLW HEIGHTS OF THE BENCHMARKS BELOW:

   NOAA TIDAL STATION 872-6247 FOR THE ENTIRE PROJECT (PID: AG6382)
9. VERTICAL MEASUREMENTS WERE MADE USING A ROSS MODEL 835 SMART SOUNDER DUAL-FREQUENCY 28/200 KHZ SINGLE-BEAM TRANSDUCER. ALL SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.

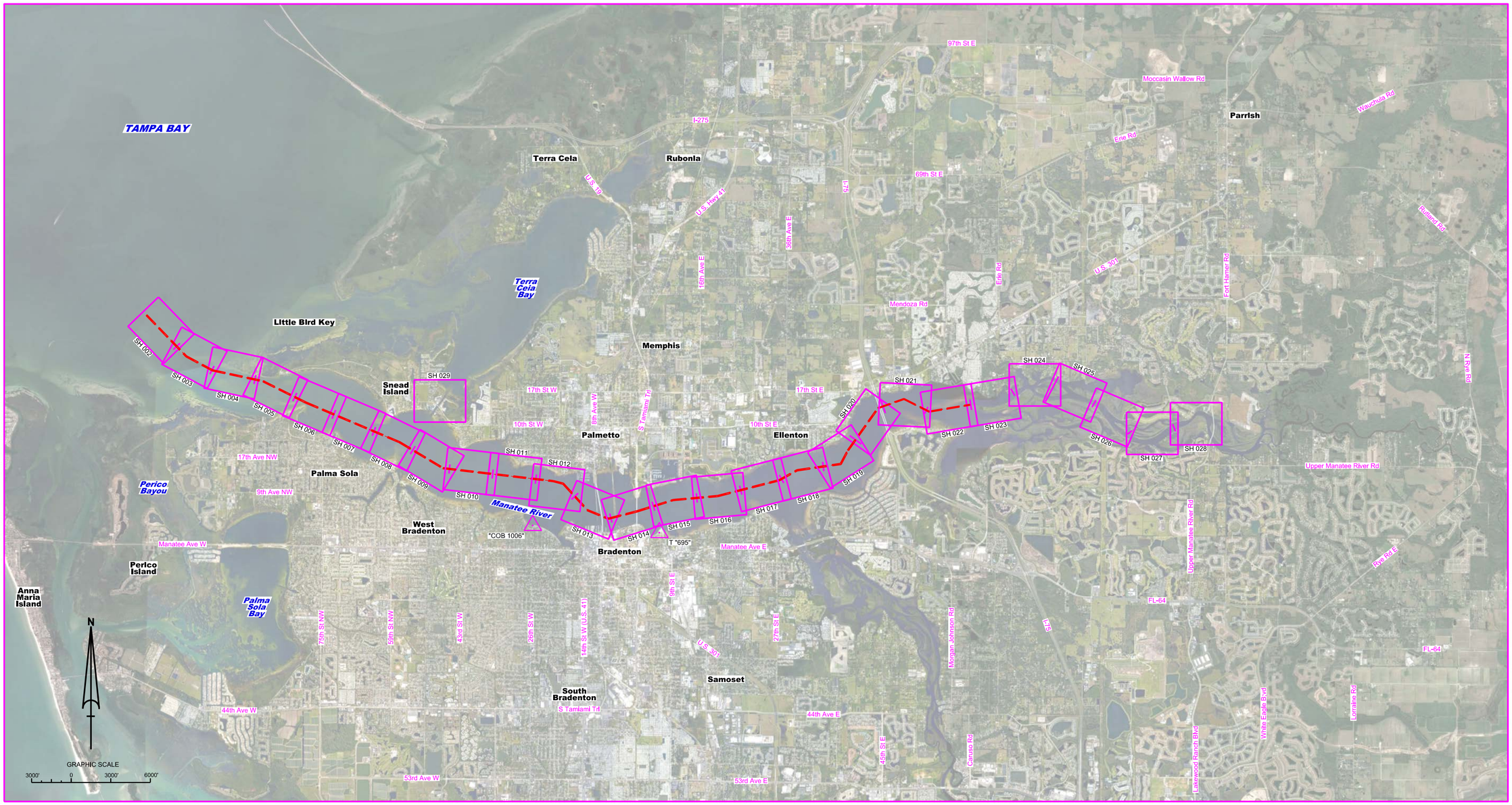
VESSEL	DATE OF SURVEY	CUT
SB-52	30-31 AUG 2022	CUT-1 THRU CUT-18
SB-52	01 SEP 2022	CUT-18 THRU CUT-20
SB-52	06 SEP 2022	CUT-21
SB-52	20 SEP 2022	CUTMENS EDGE, MANATEE RIVER CL TO FT HAMMER BRIDGE

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



LOCATION MAP



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
Drawn by: VIRM
Checked by: CMR
Rev. No.
Date: SEP 2022

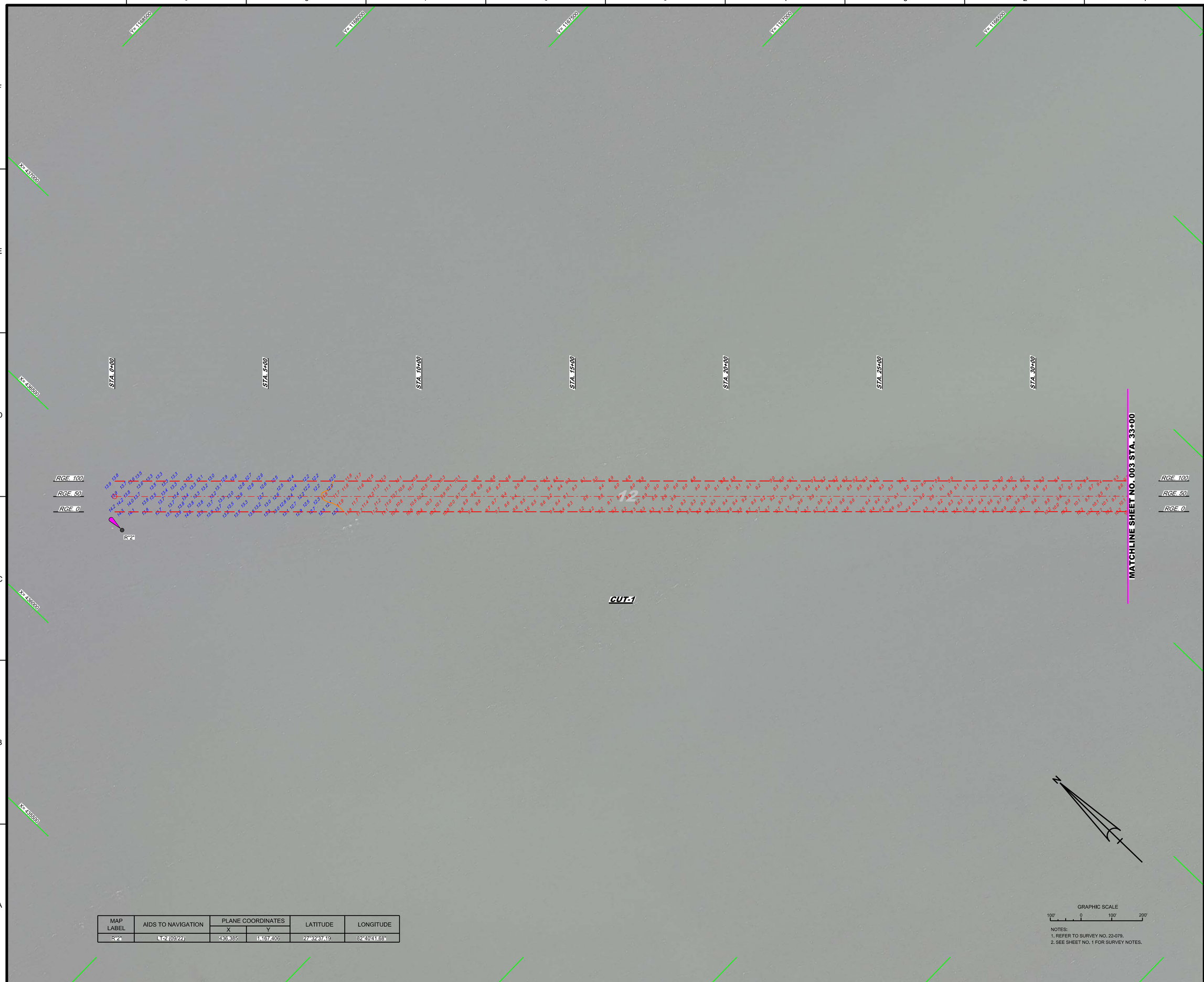
I:\XXXXXXXX-XXXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
22-079-A-INDEX.DGN
MANATEERIVERCH8D.DGN
22-079-C-FS-9-RDR.DGN
Reference files:
22-079-VH-001.DGN
File name:

MANATEE RIVER
MANATEE COUNTY, FLORIDA
PROJECT CONDITION SURVEY FY22
4, 9 AND 12-FOOT PROJECT
INDEX, LOCATION AND VICINITY
MAP

Scale: AS SHOWN

Drawing no.
1

SHEET 01 OF 29



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"2"	LT-2 (09/22)	436,385	1,167,406	27° 32' 37.19"	82° 40' 41.68"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 22-079.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone

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

Designed by: VIRM
DWN by: VIRM
Chkd by: CMR
Rev. No.
Date: SEP 2022

X:\XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
22-079-X-CONTQ.DGN
22-079-X-ALL.DGN
22-079-X-SOUN_ALLCUTS.DGN
MANATEERIVERCH83.DGN
22-079-X-PS-SHDR.DGN
Reference files:
22-079-VH-002.DGN
File name:

MANATEE RIVER
MANATEE COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY22
4, 9 AND 12-FOOT PROJECT

STA. 0+00 THRU STA. 33+00 CUT-1

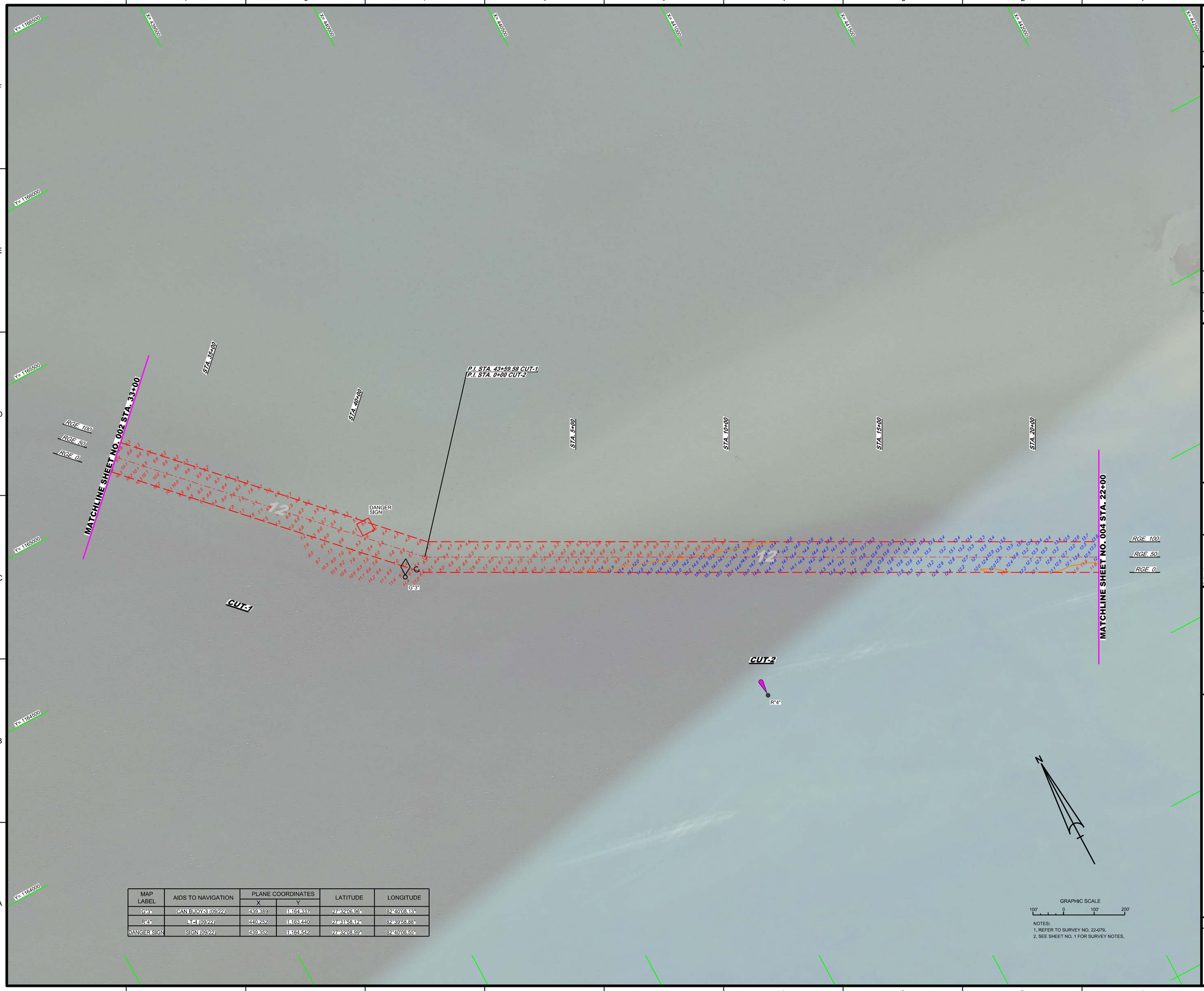
PLAN

Scale: AS SHOWN

Drawing no.

2

SHEET 02 OF 29



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"3"	CAN BUOY-3 (09/22)	439,389	1,164,337	27°32'06.96"	82°40'08.13"
R"4"	LT-4 (09/22)	440,252	1,163,440	27°31'58.12"	82°39'58.88"
DANGER SIGN	SIGN (09/22)	439,352	1,164,542	27°32'08.99"	82°40'08.55"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 22-079.
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: SEP 2022

XXXXXXXXXX-XXXXXXX.DGN
XXXXXXXXXX-XXXXXXX.DGN
22-079A-CON12.DGN
22-079A-AN-01.DGN
22-079A-SOUN_ALL_CUTS.DGN
MANTEERRVERCH83.DGN
22-079-c-BR-BRDR.DGN
Reference files
22-079-VH-003.DGN
File name:

MANATEE RIVER
MANATEE COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY22
4, 9 AND 12-FOOT PROJECT

STA. 33+00 CUT-1 THRU STA. 22+00 CUT-2

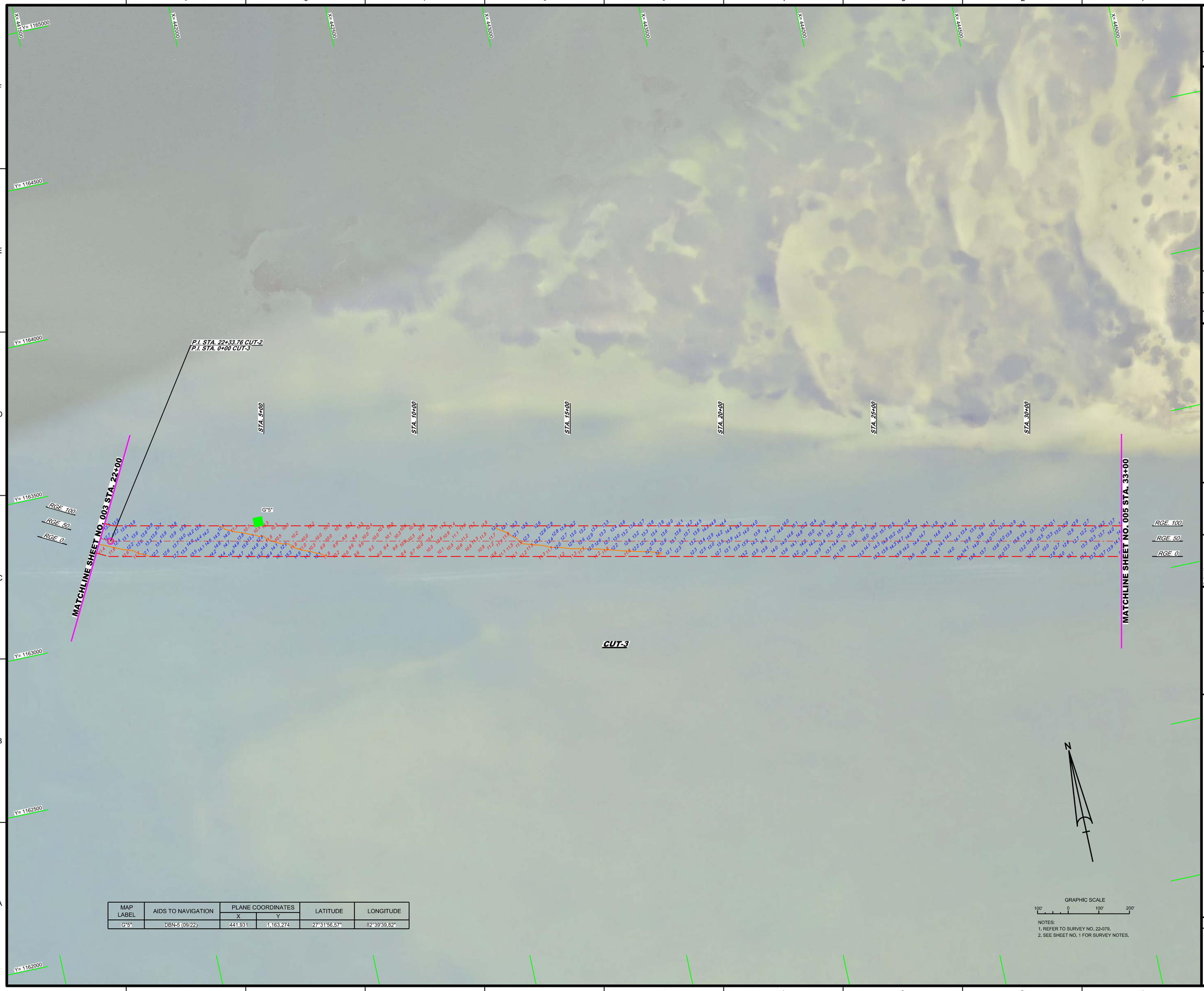
PLAN

Scale: AS SHOWN

Drawing no.

3

SHEET 03 OF 29



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"5"	DBN-5 (09/22)	441,931	1,163,274	27°31'56.57"	82°39'39.82"

NOTES:
1. REFER TO SURVEY NO. 22-079.
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.
Date: SEP 2022

XXXXXXXXXX-XXXXXXX.DGN
XXXXXXXXXX-XXXXXXX.DGN
22-079A-CON12.DGN
22-079A-SOJN.DGN
22-079A-SOJN_ALL CUTS.DGN
MANATEERIVERCHB3.DGN
22-079-C-BR-BRDR.DGN
Reference files:
22-079-HH04A.DGN
File name:

MANATEE RIVER
MANATEE COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY22
4, 9 AND 12-FOOT PROJECT

STA. 22+00 CUT-2 THRU STA. 33+00 CUT-3

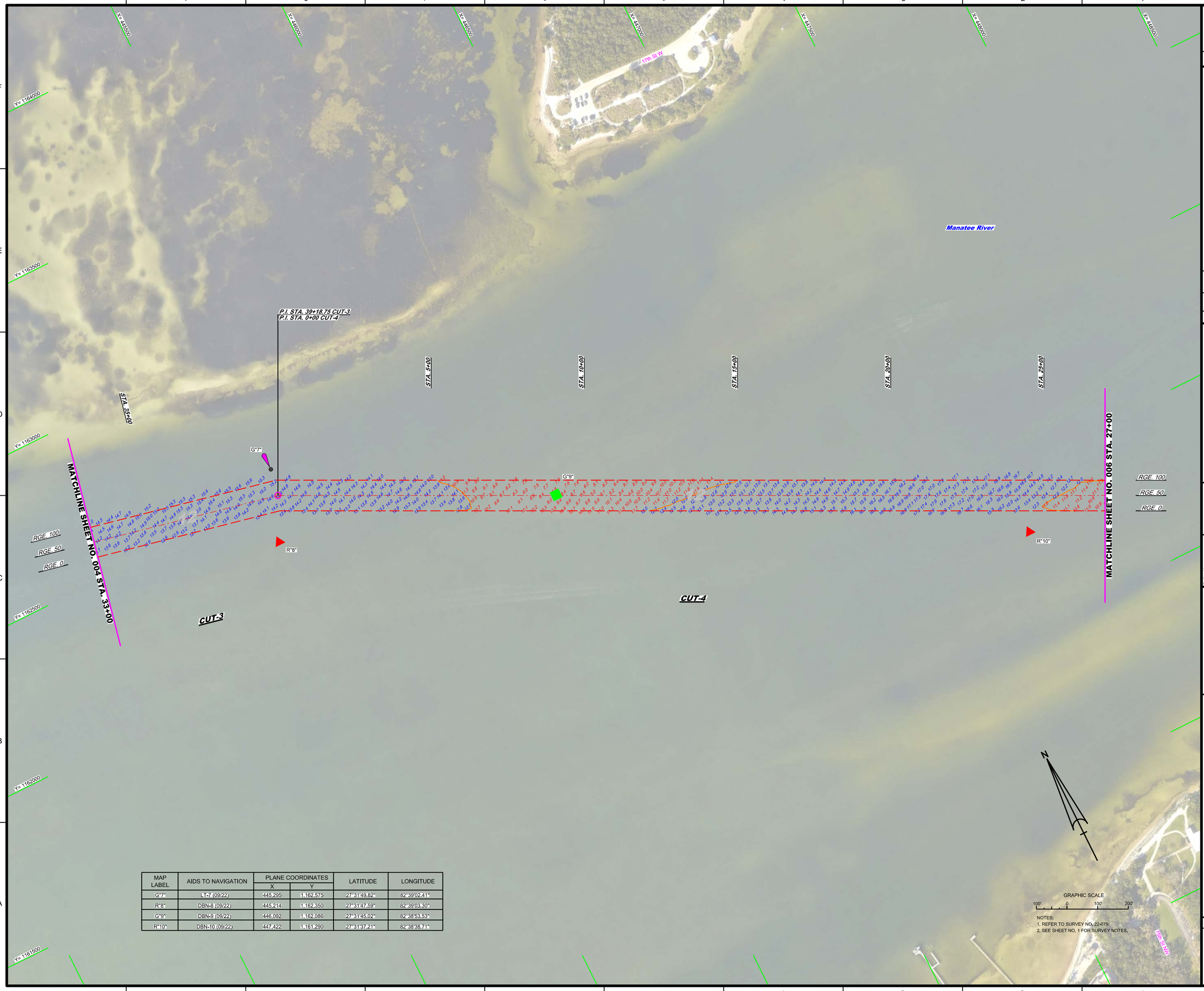
PLAN

Scale: AS SHOWN

Drawing no.

4

SHEET 04 OF 29



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"7"	LT-7 (09/22)	445,295	1,162,575	27°31'49.82"	82°39'02.41"
R"8"	DBN-8 (09/22)	445,214	1,162,350	27°31'47.59"	82°39'03.30"
G"9"	DBN-9 (09/22)	446,092	1,162,086	27°31'45.02"	82°38'53.53"
R"10"	DBN-10 (09/22)	447,422	1,161,290	27°31'37.21"	82°38'38.71"

NOTES:
1. REFER TO SURVEY NO. 22-079.
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: VRM
DWN by: VRM
Rev. No.
Date: SEP 2022

XXXXXXXXXX-XXXXXX.DGN
XXXXXXXX-XXXXXX.DGN
22-079-V-CONT2.DGN
22-079-V-XS01.DGN
22-079-V-SOUN_ALCUTS.DGN
MANATEERIVERCH83.DGN
22-079-V-SB-BRDR.DGN
Reference files:
22-079-VH-005.DGN
File name:

MANATEE RIVER
MANATEE COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY22
4, 9 AND 12-FOOT PROJECT

STA. 33+00 CUT-3 THRU STA. 27+00 CUT-4

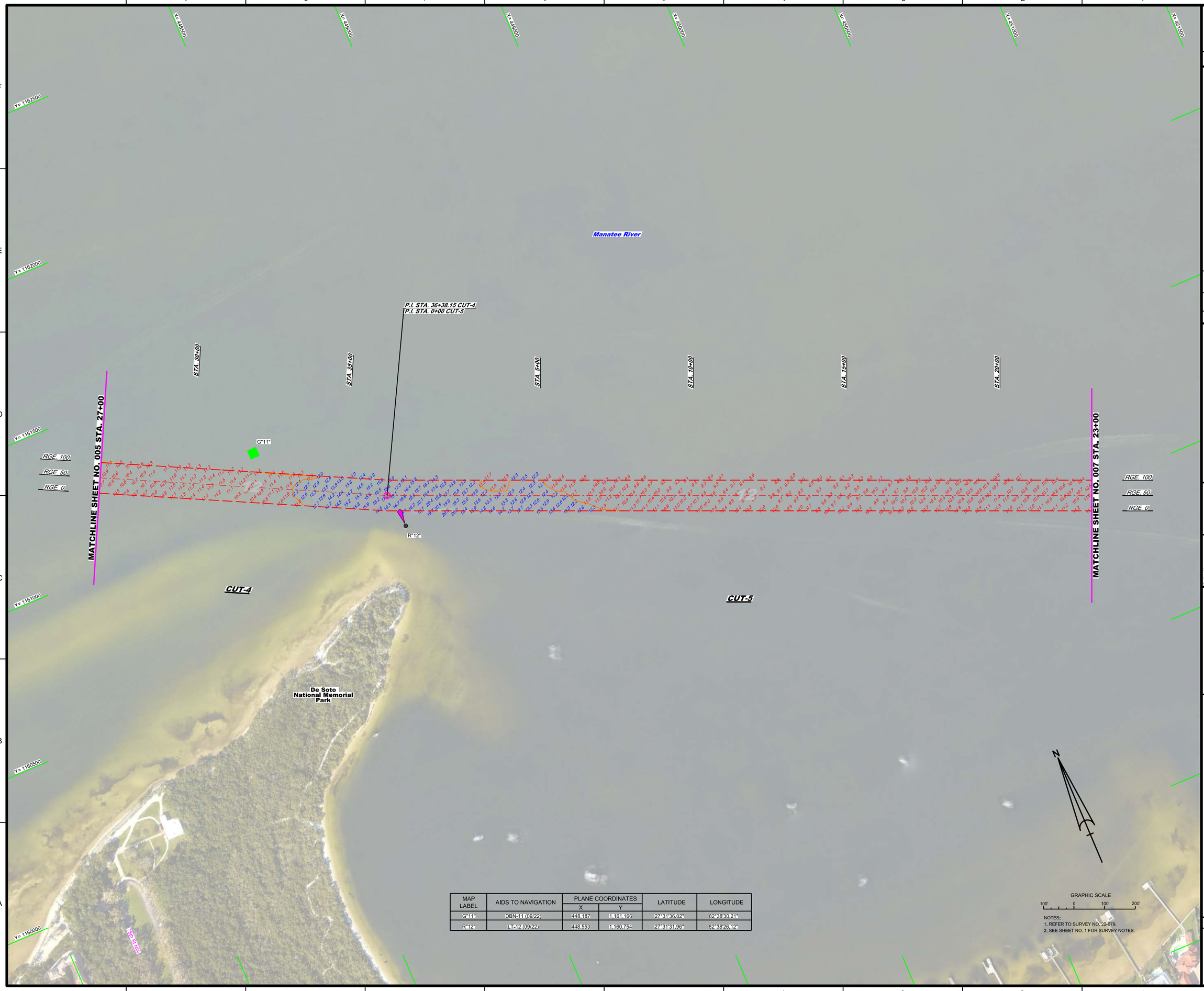
PLAN

Scale: AS SHOWN

Drawing no.

5

SHEET 05 OF 29



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"11"	DBN-11 (09/22)	448,187	1,161,166	27°31'36.02"	82°38'30.21"
R"12"	LT-12 (09/22)	448,553	1,160,754	27°31'31.96"	82°38'26.12"

NOTES:
1. REFER TO SURVEY NO. 22-079.
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: CMR
Rev. No.
Date: SEP 2022

XXXXXXXXXX-XXXXXXX.DGN
XXXXXXXXX-XXXXXXX.DGN
22-079-VI-CONTQ.DGN
22-079-VI-ALL.DGN
22-079-VI-SOUN_ALLCUTS.DGN
MANATEERIVERCH83.DGN
22-079-HS-BNDR.DGN
Reference files:

22-079-VH-006.DGN
File name:

MANATEE RIVER
MANATEE COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY22
4, 9 AND 12-FOOT PROJECT

STA. 27+00 CUT-4 THRU STA. 23+00 CUT-5

PLAN

Scale: AS SHOWN

Drawing no.

6

SHEET 06 OF 29

NOTES:
1. REFER TO SURVEY NO. 22-079.
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: CMR
Rev. No.
Date: SEP 2022

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
22-079-XXXXXXXXXXXXXX
22-079-VXSOUN_CLR.DGN
MANATEERIVERCH83.DGN
22-079-C-BS-BRDR.DGN
Reference files:
22-079-VH-007.DGN
File name:

MANATEE RIVER
MANATEE COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY22
4, 9 AND 12-FOOT PROJECT

STA. 23+00 THRU STA. 56+00 CUT-5

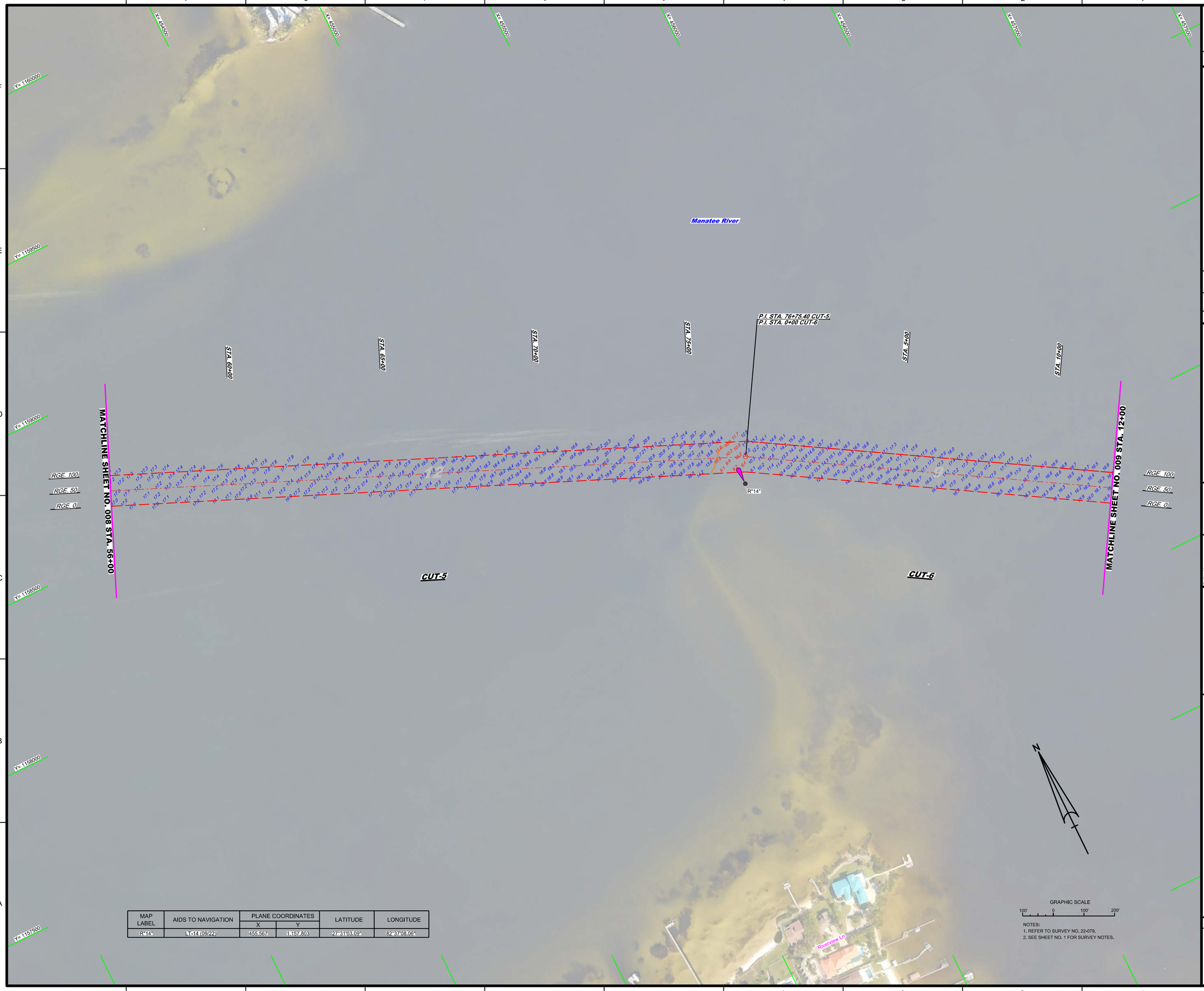
PLAN

Scale: AS SHOWN

Drawing no.

7

SHEET 07 OF 29



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"14"	LT-14 (09/22)	455,567	1,157,803	27°31'03.09"	82°37'08.06"

NOTES:
1. REFER TO SURVEY NO. 22-079.
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: VRM
DWN by: VRM
Rev. No.
Date: SEP 2022

22-079-V-C2N12.DGN
22-079-V-XS01.DGN
22-079-V-XSGUN_ALLCUTS.DGN
MANATEERIVERCH83.DGN
22-079-V-SE5-BRDR.DGN
Reference files:
22-079-V-H-008.DGN
File name:

MANATEE RIVER
MANATEE COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY22
4, 9 AND 12-FOOT PROJECT

STA. 56+00 CUT-5 THRU STA. 12+00 CUT-6

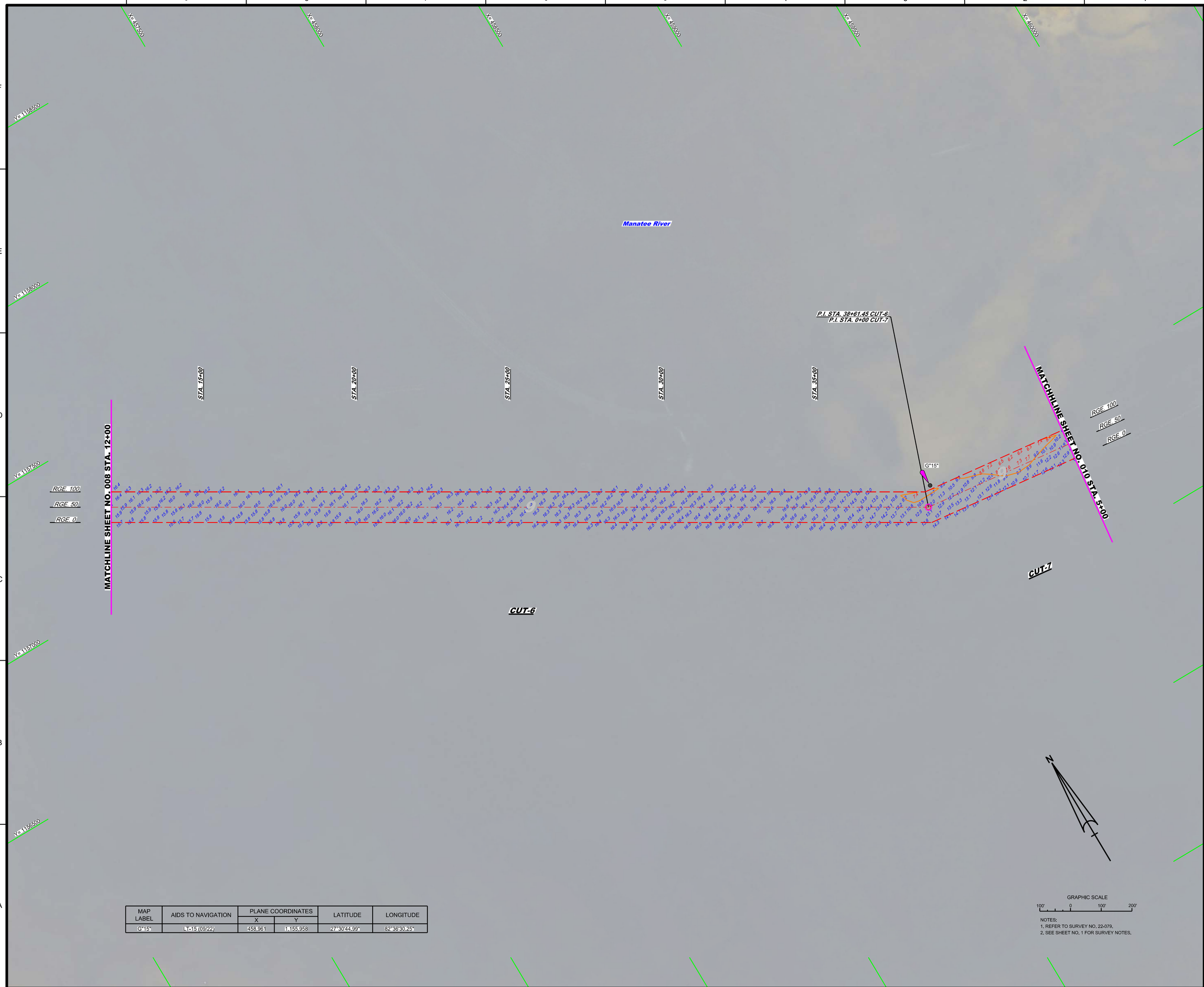
PLAN

Scale: AS SHOWN

Drawing no.

8

SHEET 08 OF 29



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"15"	LT-15 (09/22)	458,961	1,155,958	27°30'44.99"	82°36'30.25"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 22-079.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone

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

Designed by: VIRM
DWN by: VIRM
Chkd by: CMR
Rev. No.
Date: SEP 2022

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
22-079-V-CONS.DGN
22-079-V-NAV.DGN
22-079-V-SHOAL CUTS.DGN
MANATEERIVER083.DGN
22-079-<SS-SNDR.DGN
Reference files:
22-079-VH-009.DGN
File name:

MANATEE RIVER
MANATEE COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY22
4, 9 AND 12-FOOT PROJECT

STA. 12+00 CUT-6 THRU STA. 5+00 CUT-7

PLAN

Scale: AS SHOWN

Drawing no.

9

SHEET 09 OF 29

NOTES:
1. REFER TO SURVEY NO. 22-079.
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.
Date: SEP 2022

X:\XXXXXXX-X-XXXXX.DGN
XXXXXXXX-X-XXXXX.DGN
XXXXXXXX-XXXXXX.DGN
XXXXXXXX-X-XXXXX.DGN
XXXXXXXX-X-XXXXX.DGN
22-079-A-SOLN_JBRoA.DGN
MANATEERIVERCHB3.DGN
22-079-C-BR-BRDR.DGN
Reference files:

22-079-VH-310.DGN
File name:

MANATEE RIVER
MANATEE COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY22
4, 9 AND 12-FOOT PROJECT

STA. 5+00 THRU STA. 38+00 CUT-7

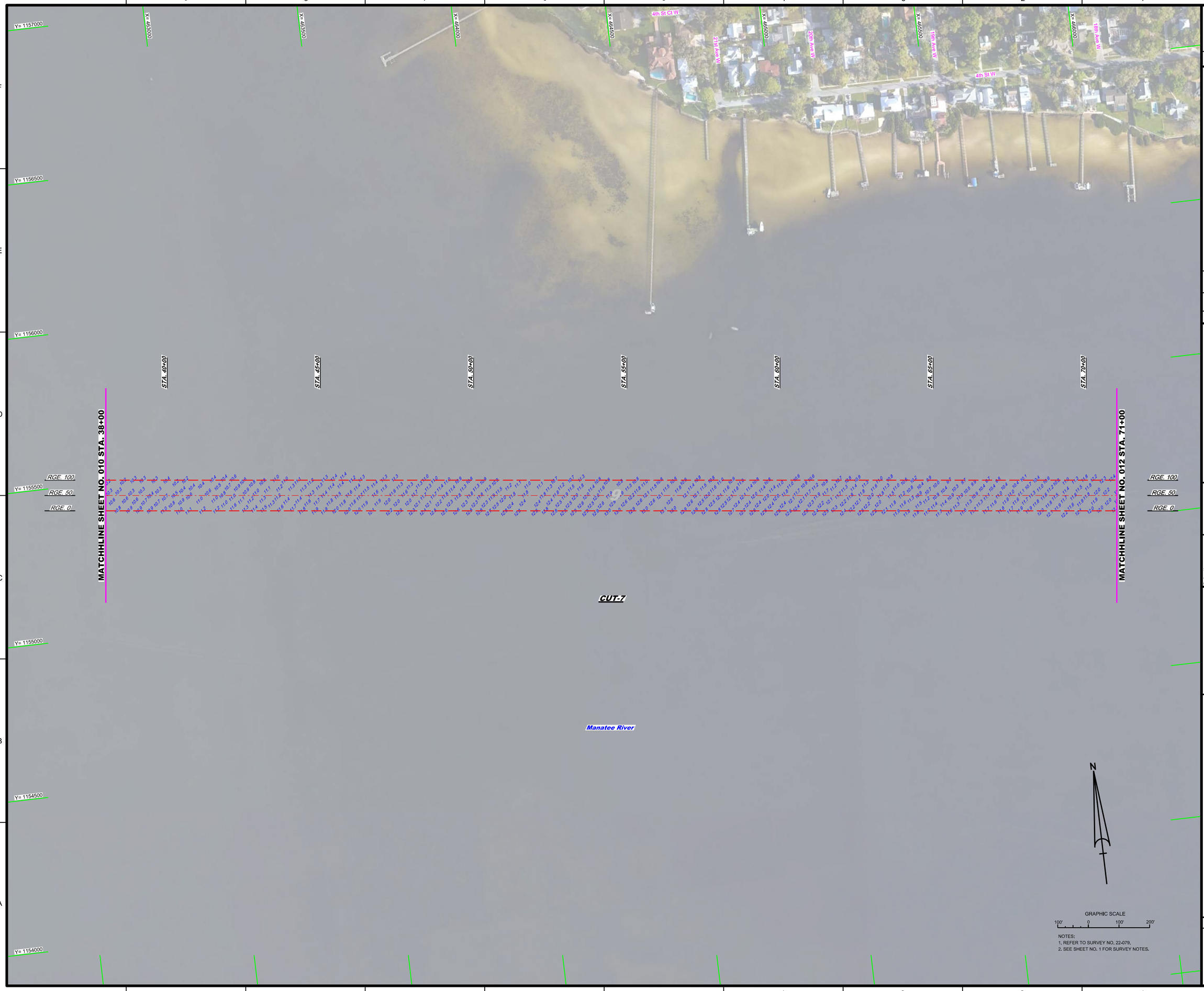
PLAN

Scale: AS SHOWN

Drawing no.

10

SHEET 10 OF 29



NOTES:
1. REFER TO SURVEY NO. 22-079.
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
Inv. No.
Dated: SEP 2022

XXXXXXXX-XXXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
22-079-A-SEQA_ALLCUTS.DGN
MANATEERIVERCH13.DGN
22-079-C-BS-BRDR.DGN
Reference files:

22-079-H-011.DGN
File name:

MANATEE RIVER
MANATEE COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY22
4, 9 AND 12-FOOT PROJECT
STA. 38+00 THRU STA. 71+00 CUT-7
PLAN

Scale: AS SHOWN

Drawing no.
11

SHEET 11 OF 29

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
			Y		
R"16"	DBN-16 (09/22)	467,274	1,154,806	27°30'33.97"	82°34'57.87"
R"18"	DBN-18 (09/22)	467,977	1,154,643	27°30'32.39"	82°34'50.05"
G"19"	LT-19 (09/22)	468,544	1,154,839	27°30'34.36"	82°34'43.77"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 22-079.
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

Drawn by: GMR
Designed by: VIRM
DWN by: VIRM
Rev. No.
Date: SEP 2022

XXXXXXXXX-XXXXXXX.DGN
22-079-VC-CONS.DGN
22-079-VC-MAP.DGN
22-079-VC-SOUN_ALL-CUTS.DGN
MANATEERIVERCHB3.DGN
22-079-C-FS-SHEET.DGN
Reference files:
22-079-VH-012.DGN
File name:

MANATEE RIVER
MANATEE COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY22
4, 9 AND 12-FOOT PROJECT

STA. 71+00 CUT-7 THRU STA. 13+00 CUT-9

PLAN

Scale: AS SHOWN

Drawing no.

12

SHEET 12 OF 29

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"20"	DBN-20 (09/22)	469,042	1,153,516	27°30'21.28"	82°34'38.17"
G"21"	DBN-21 (09/22)	469,896	1,152,818	27°30'14.41"	82°34'28.64"
G"21A"	DBN-21A (09/22)	470,637	1,152,480	27°30'11.10"	82°34'20.40"
R"22"	DBN-22 (09/22)	469,754	1,152,729	27°30'13.53"	82°34'30.22"
R"22A"	DBN-22A (09/22)	470,660	1,152,354	27°30'09.85"	82°34'20.15"

NOTES:
1. REFER TO SURVEY NO. 22-079.
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.
Date: SEP 2022

22-079A-CON9.DGN
22-079A-MAP.DGN
22-079A-SOUN_ALL CUTS.DGN
MANATEERIVERCHB3.DGN
Reference files
22-079-VH013.DGN
File name:

MANATEE RIVER
MANATEE COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY22
4, 9 AND 12-FOOT PROJECT

STA. 13+00 CUT-9 THRU STA. 2+00 CUT-11

PLAN

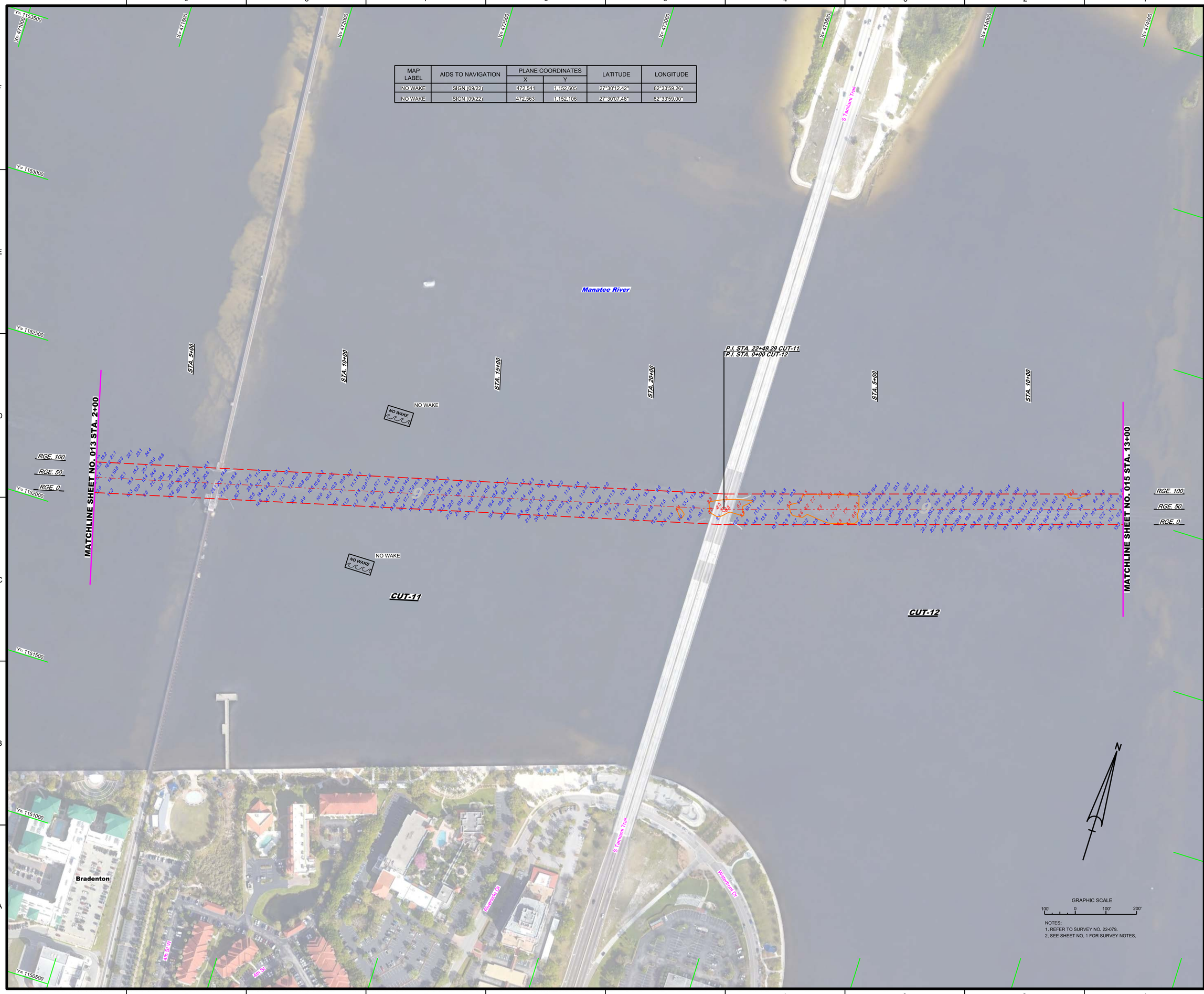
Scale: AS SHOWN

Drawing no.

13

SHEET 13 OF 29

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
NO WAKE	SIGN (09/22)	472,541	1,152,605	27°30'12.42"	82°33'59.26"
NO WAKE	SIGN (09/22)	472,563	1,152,106	27°30'07.48"	82°33'59.00"



NOTES:
1. REFER TO SURVEY NO. 22-079.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No. Symbol Zone

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

Cad by: GMR
Designed by: WRM
DWN by: WRM
Rev. No.
Date: SEP 2022

XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-XX-XXXXXX.DGN
XXXXXXXX-XX-XXXXXX.DGN
22-079-A-CONTROL.DGN
22-079-A-SOUR_ALLCUTS.DGN
MANATEERIVERCHG3.DGN
22-079-C-BS-BRDR.DGN
Reference files:
22-079-VH-014.DGN
File name:

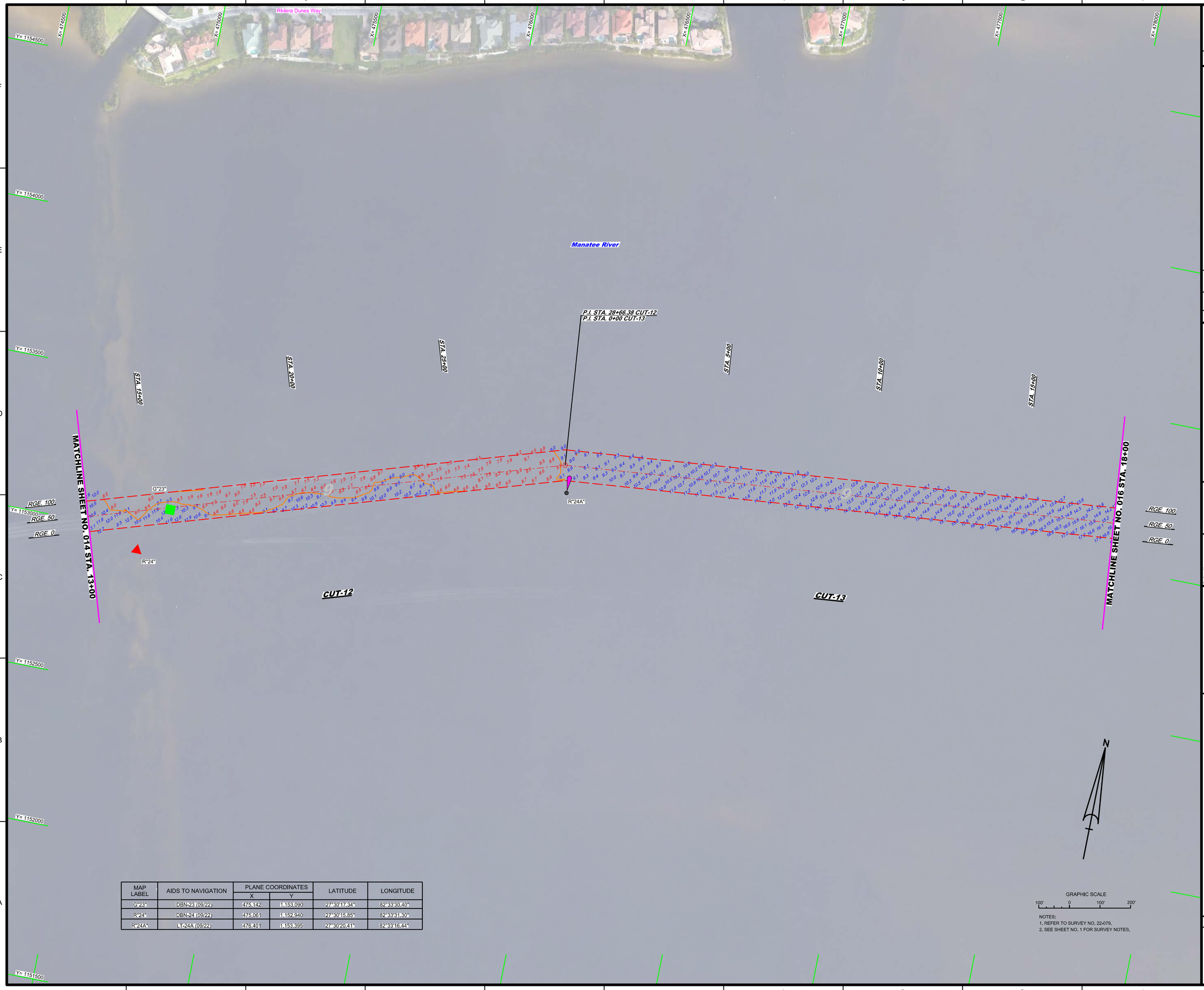
MANATEE RIVER
MANATEE COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY22
4, 9 AND 12-FOOT PROJECT
STA. 2+00 CUT-11 THRU STA. 13+00 CUT-12
PLAN

Scale: AS SHOWN

Drawing no.
14

SHEET 14 OF 29



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"23"	DBN-23 (09/22)	475,142	1,153,090	27°30'17.34"	82°33'30.40"
R"24"	DBN-24 (09/22)	475,061	1,152,940	27°30'15.85"	82°33'31.30"
R"24A"	LT-24A (09/22)	476,401	1,153,395	27°30'20.41"	82°33'16.44"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 22-079.
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: SEP 2022

XXXXXXXXXX-XXXXXXX.DGN
XXXXXXXXX-XXXXXXX.DGN
22-079-VC-CONS.DGN
22-079-VC-ALL.DGN
22-079-VC-SOUN_ALL-CUTS.DGN
MANATEERIVERCH8J.DGN
22-079-C-SS-BRDR.DGN
Reference files:

22-079-VH-015.DGN
File name:

MANATEE RIVER
MANATEE COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY22
4, 9 AND 12-FOOT PROJECT

STA. 13+00 CUT-12 THRU STA. 18+00 CUT-13

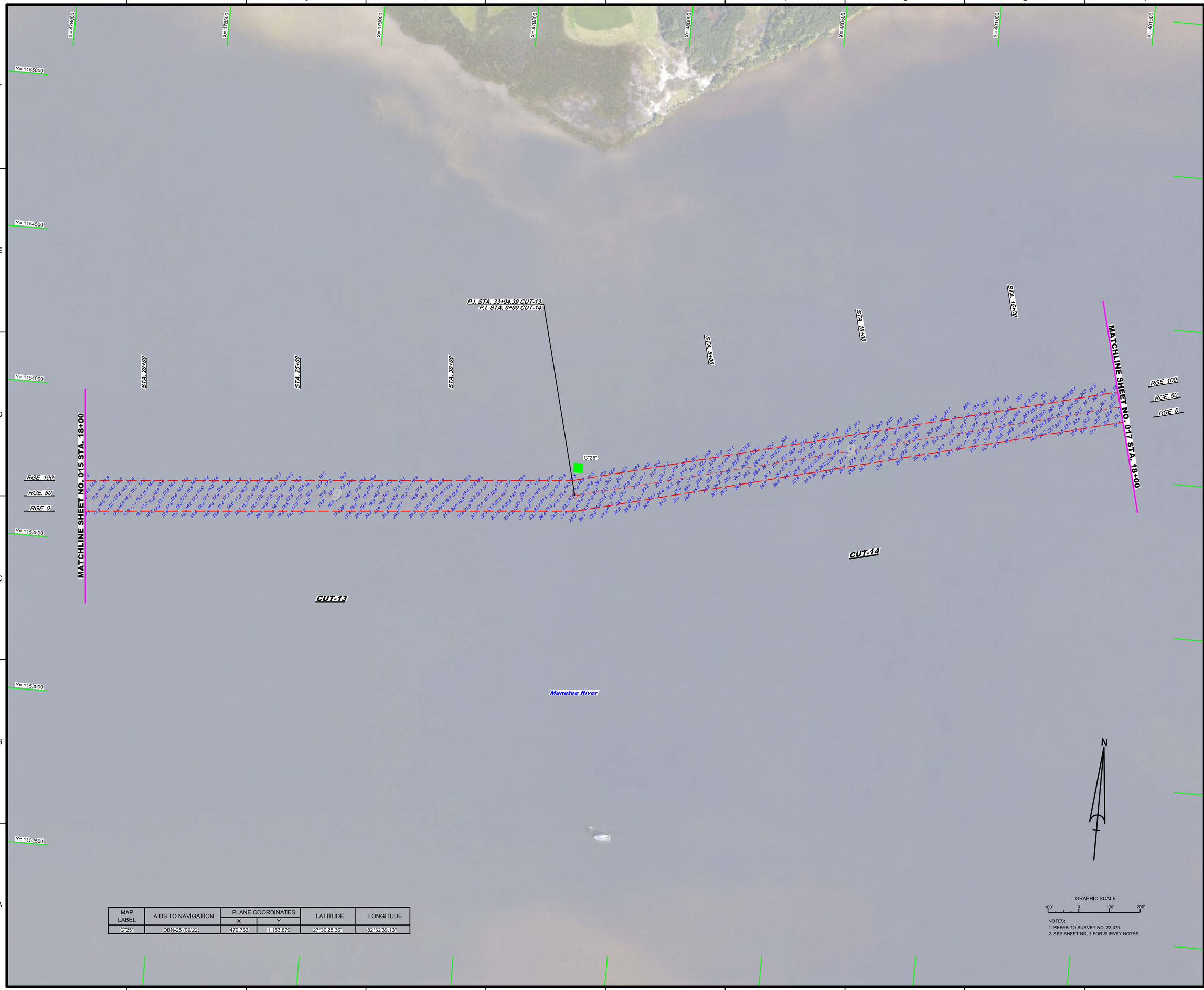
PLAN

Scale: AS SHOWN

Drawing no.

15

SHEET 15 OF 29



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"25"	DBN-25 (09/22)	479,763	1,153,879	27°30'25.36"	82°32'39.13"

NOTES:
1. REFER TO SURVEY NO. 22-079.
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.
Date: SEP 2022

XXXXXXXX-XX-XXXXXX.DGN
XXXXXXXX-XX-XXXXXX.DGN
XXXXXXXX-XX-XXXXXX.DGN
22-079A-SOUN_ALLCUTS.DGN
MANATEERINERCH03.DGN
22-079A-SRS-SRDR.DGN
Reference files
22-079A-VH-016.DGN
File name:

MANATEE RIVER
MANATEE COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY22
4, 9 AND 12-FOOT PROJECT

STA. 18+00 CUT-13 THRU STA. 18+00 CUT-14

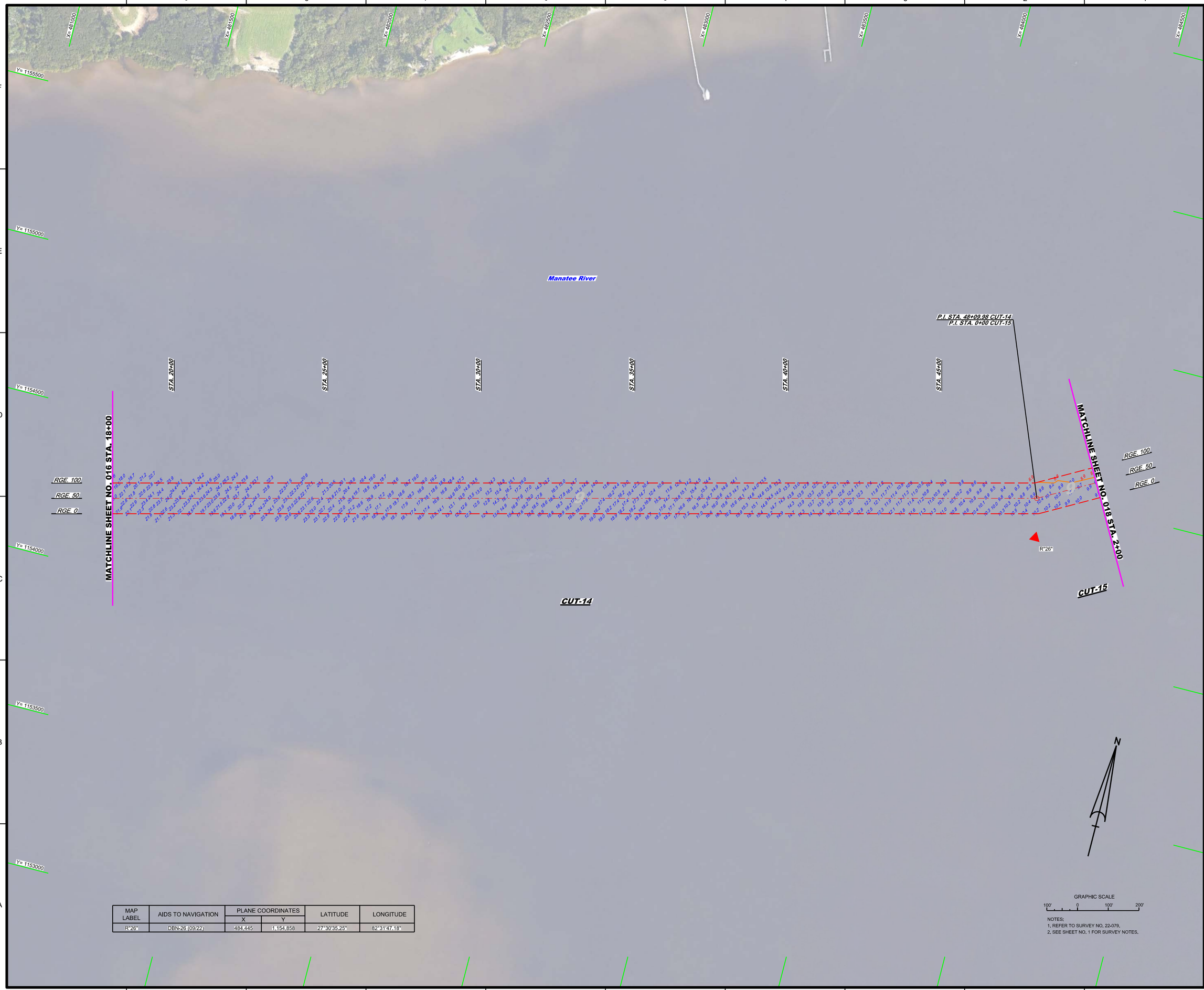
PLAN

Scale: AS SHOWN

Drawing no.

16

SHEET 16 OF 29



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"26"	DBN-26 (09/22)	484,445	1,154,858	27°30'35.25"	82°31'47.18"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 22-079.
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
CHK by: GMR
Inv. No.
Date: SEP 2022

XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-XX-XXXXX.DGN
22-079-V-CON9.DGN
22-079-V-MAP.DGN
22-079-V-SQUA_ALLCUTS.DGN
MANATEERIVERCHB3.DGN
22-079-C-BS-BRDR.DGN
Reference files:
22-079-VH-017.DGN
File name:

MANATEE RIVER
MANATEE COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY22
4, 9 AND 12-FOOT PROJECT

STA. 18+00 CUT-14 THRU STA. 2+00 CUT-15

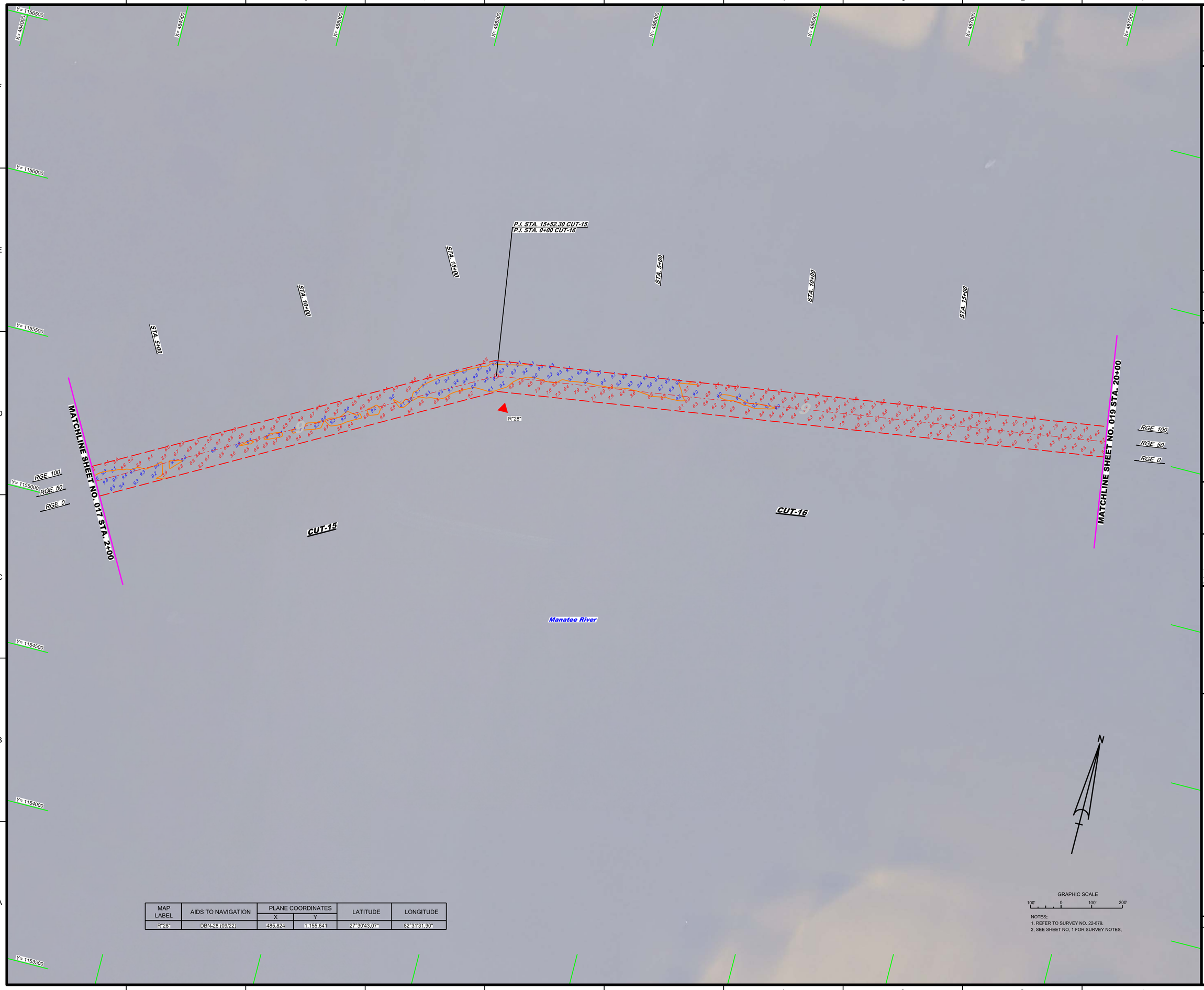
PLAN

Scale: AS SHOWN

Drawing no.

17

SHEET 17 OF 29



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"28"	DBN-28 (09/22)	485,824	1,155,641	27°30'43.07"	82°31'31.90"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 22-079.
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: SEP 2022

XXXXXXXXXX-XXXXXXX.DGN
XXXXXXXXXX-XXXXXXX.DGN
22-079A-CON9.DGN
22-079A-MAP.DGN
22-079A-SOUN_ALL CUTS.DGN
MANATEERIVERCHB3.DGN
22-079-CS-BRGR.DGN
Reference files:
22-079-HH016.DGN
File name:

MANATEE RIVER
MANATEE COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY22
4, 9 AND 12-FOOT PROJECT

STA. 2+00 CUT-15 THRU STA. 20+00 CUT-16

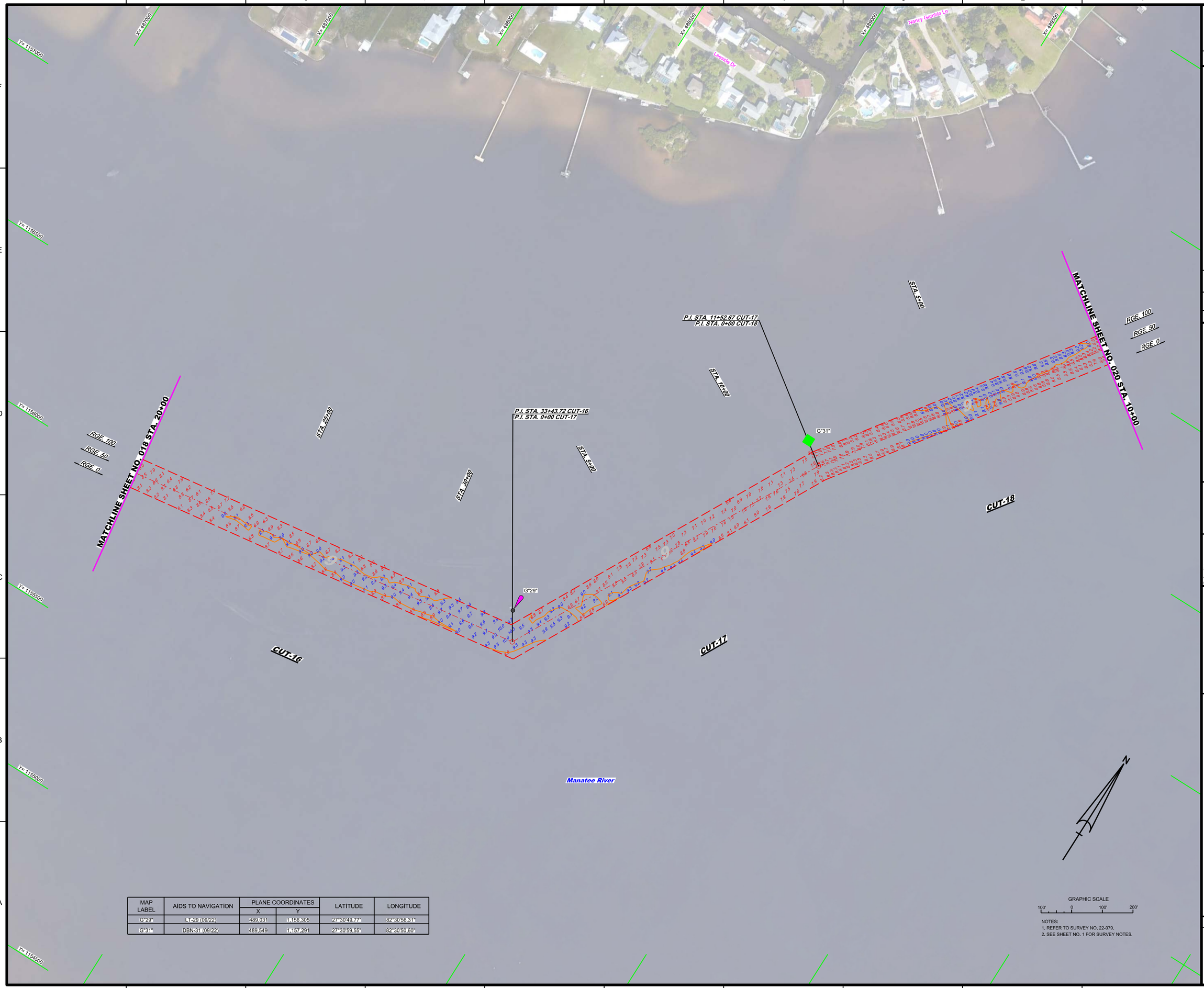
PLAN

Scale: AS SHOWN

Drawing no.

18

SHEET 18 OF 29



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"29"	LT-29 (09/22)	489,031	1,156,305	27°30'49.77"	82°30'56.31"
G"31"	DBN-31 (09/22)	489,549	1,157,291	27°30'59.55"	82°30'50.60"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 22-079.
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: SEP 2022

XXXXXXXXXXXXXXXXX.DGN
22-079A-CON9.DGN
22-079A-AVG.DGN
22-079A-SOUN_ALLCUTS.DGN
MANATEERIVERCHB3.DGN
22-079-4-BS-BRDR.DGN
Reference files
22-079-HH19.DGN
File name:

MANATEE RIVER
MANATEE COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY22
4, 9 AND 12-FOOT PROJECT

STA. 20+00 CUT-16 THRU STA. 10+00 CUT-18

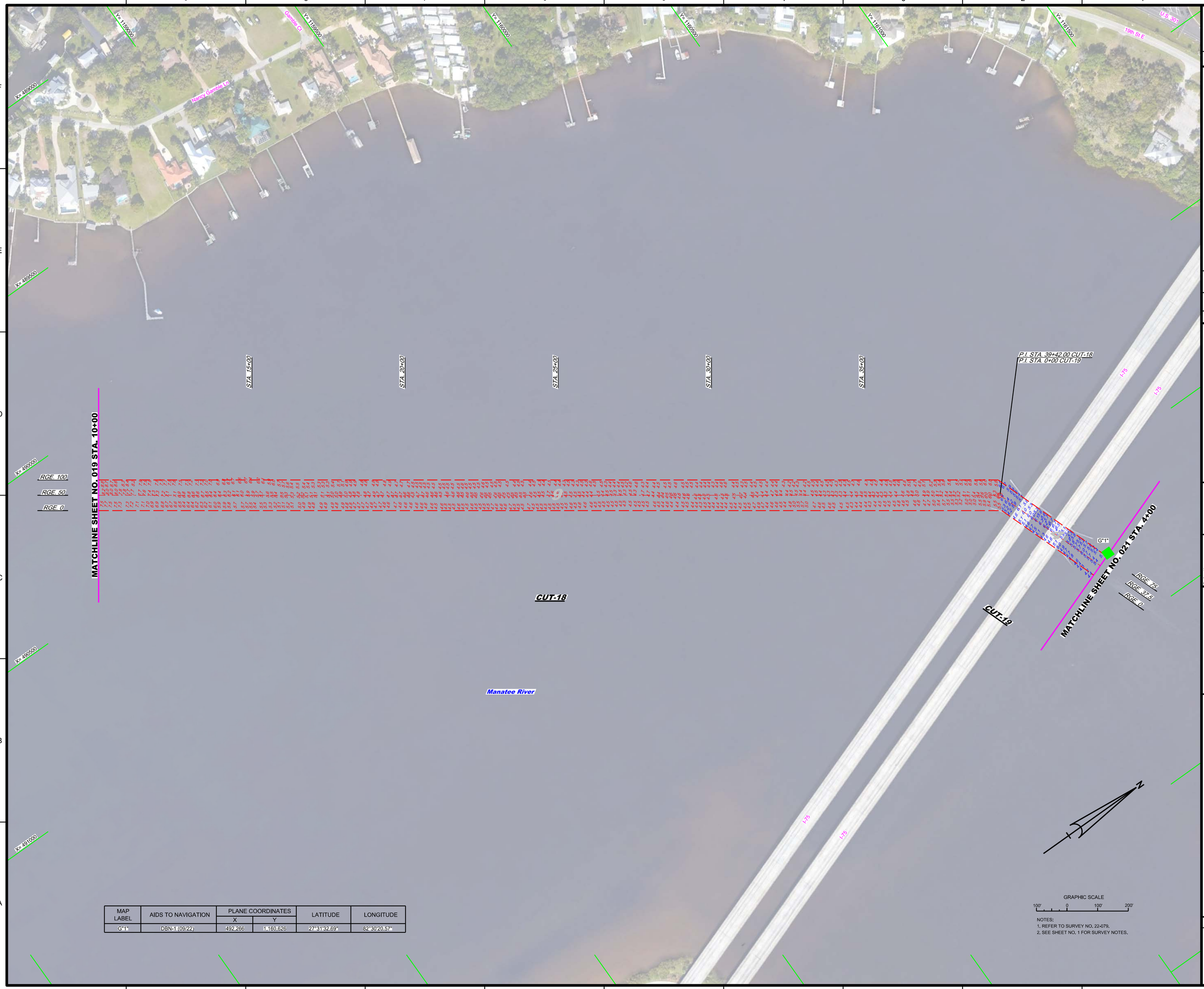
PLAN

Scale: AS SHOWN

Drawing no.

19

SHEET 19 OF 29



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"1"	DBN-1 (09/22)	492,266	1,160,626	27°31'32.69"	82°30'20.57"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 22-079.
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.
Dated: SEP 2022

XXXXXXXXXX-XXXXXXX.DGN
XXXXXXXXXX-XXXXXXX.DGN
XXXXXXXXXX-XXXXXXX.DGN
XXXXXXXXXX-XXXXXXX.DGN
22-079-VARSQUIN_ALLCUTS.DGN
MANATEERIVERCH83.DGN
22-079-CESHERDR.DGN
Reference files:
22-079-VH-020.DGN
File name:

MANATEE RIVER
MANATEE COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY22
4, 9 AND 12-FOOT PROJECT

STA. 10+00 CUT-18 THRU STA. 4+00 CUT-19

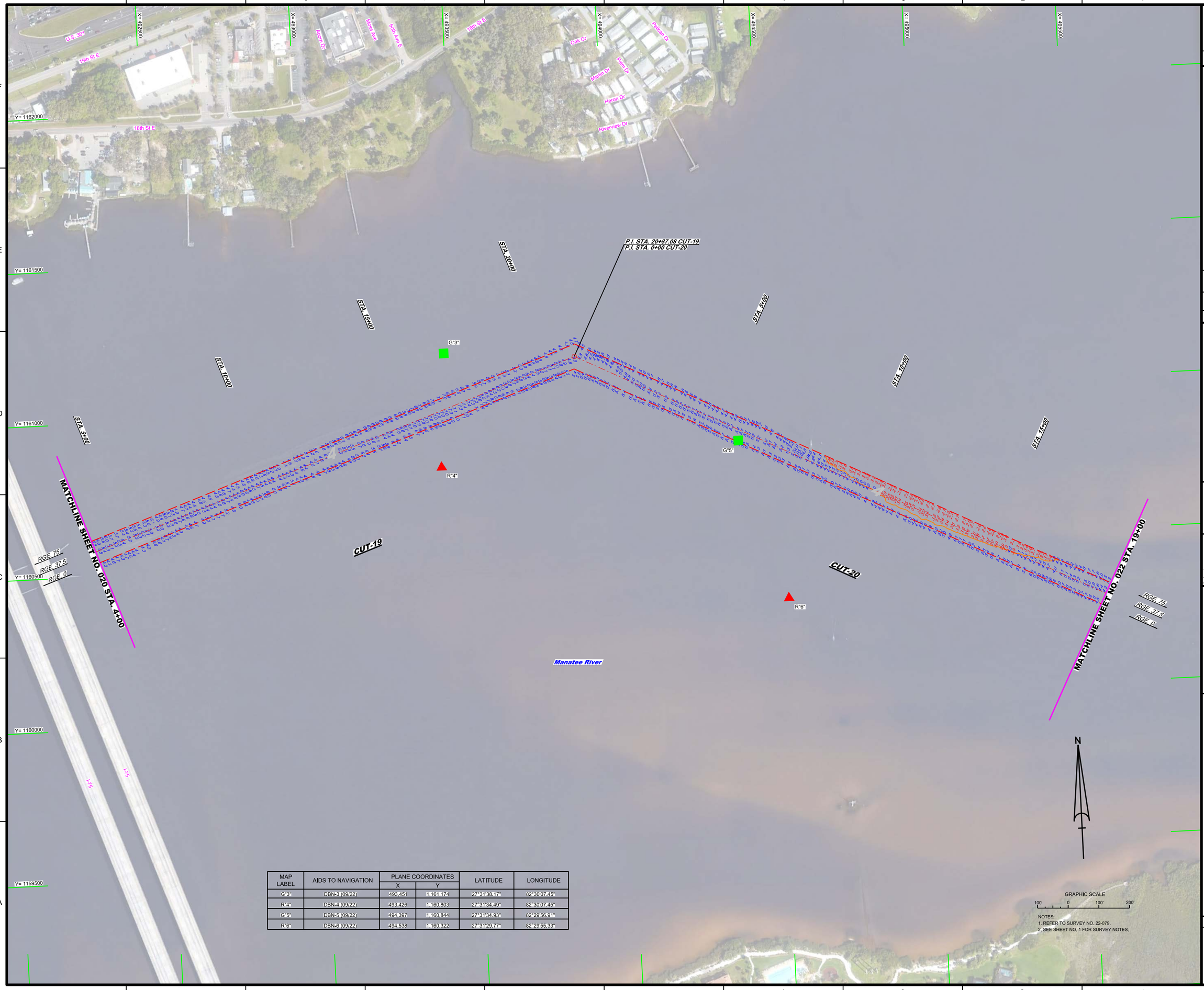
PLAN

Scale: AS SHOWN

Drawing no.

20

SHEET 20 OF 29



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"3"	DBN-3 (09/22)	493,451	1,161,174	27°31'38.17"	82°30'07.45"
R"4"	DBN-4 (09/22)	493,426	1,160,803	27°31'34.49"	82°30'07.45"
G"5"	DBN-5 (09/22)	494,397	1,160,844	27°31'34.93"	82°29'56.91"
R"6"	DBN-6 (09/22)	494,538	1,160,322	27°31'29.77"	82°29'55.33"

NOTES:
1. REFER TO SURVEY NO. 22-079.
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
Chd by: CMR
Rev. No.
Date: SEP 2022

XXXXXXXXX-XXXXXX.DGN
XXXXXXXX-XXXXXX.DGN
22-079-V-C04.DGN
22-079-V-A01.DGN
22-079-V-SOUN_ALLCUTS.DGN
MANATEERIVERCHB3.DGN
22-079-C-S5-SHDR.DGN
Reference files:

22-079-VH-021.DGN
File name:

MANATEE RIVER
MANATEE COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY22
4, 9 AND 12-FOOT PROJECT

STA. 4+00 CUT-19 THRU STA. 19+00 CUT-20

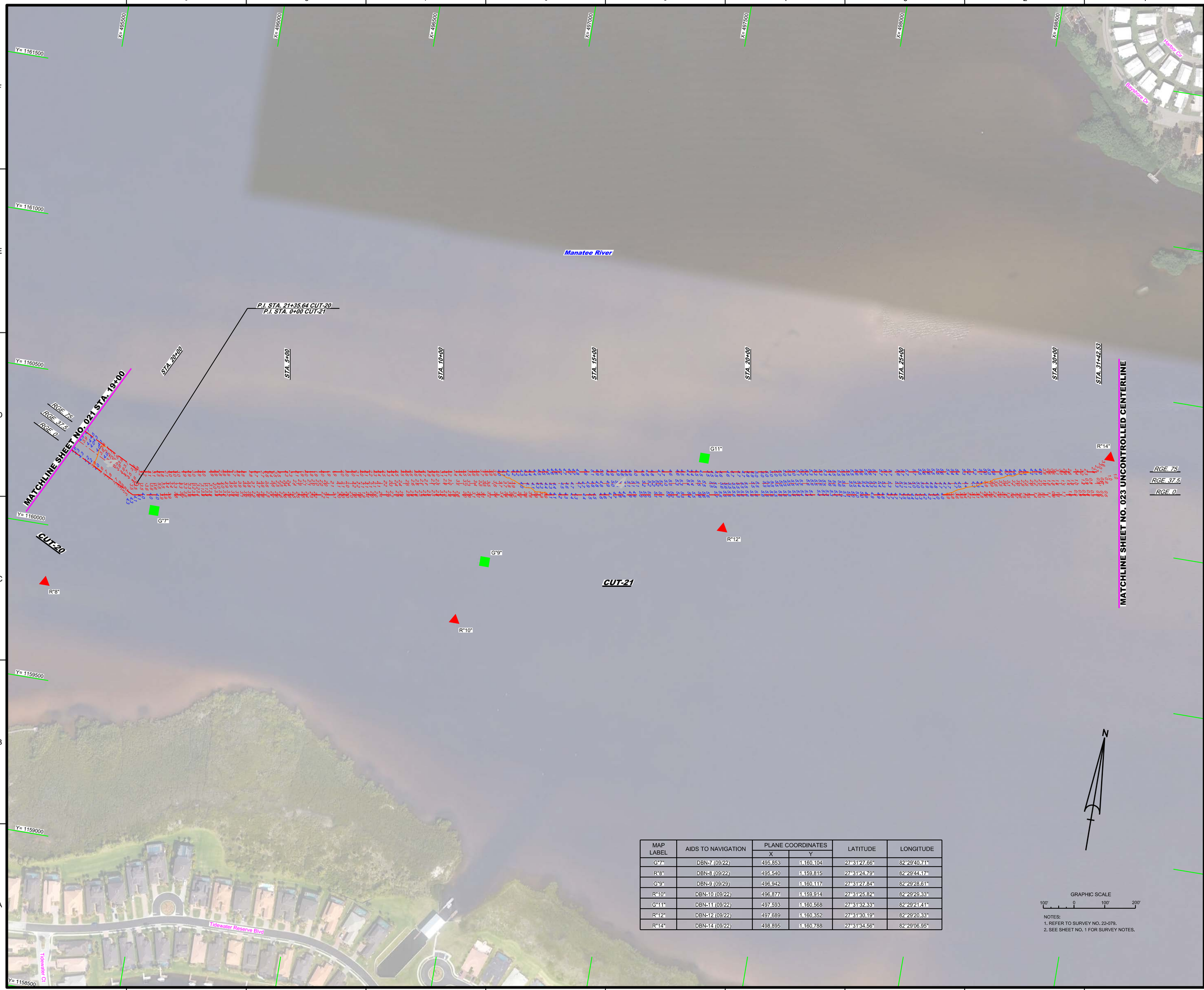
PLAN

Scale: AS SHOWN

Drawing no.

21

SHEET 21 OF 29



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"7"	DBN-7 (09/22)	495,853	1,160,104	27°31'27.66"	82°29'40.71"
R"8"	DBN-8 (09/22)	495,540	1,159,815	27°31'24.79"	82°29'44.17"
G"9"	DBN-9 (09/29)	496,942	1,160,117	27°31'27.84"	82°29'28.61"
R"10"	DBN-10 (09/22)	496,877	1,159,914	27°31'25.82"	82°29'29.33"
G"11"	DBN-11 (09/22)	497,593	1,160,568	27°31'32.33"	82°29'21.41"
R"12"	DBN-12 (09/22)	497,689	1,160,352	27°31'30.19"	82°29'20.33"
R"14"	DBN-14 (09/22)	498,895	1,160,788	27°31'34.56"	82°29'06.95"

NOTES:
1. REFER TO SURVEY NO. 22-079.
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
Cad by: GMR
Inv. No.
Date: SEP 2022

XXXXXXXXXXXXXXXXXX.DGN
22-079-VC-CON4.DGN
22-079-VA-MAP-CON.DGN
22-079-VSQUA_ALLCUTS.DGN
MANATEERIVERCH63.DGN
22-079-CABS-BRDR.DGN
Reference files:
22-079-VH-022.DGN
File name:

MANATEE RIVER
MANATEE COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY22
4, 9 AND 12-FOOT PROJECT
STA. 19+00 CUT-20 THRU STA. 31+42.53 CUT-21 AND
UNCONTROLLED CENTERLINE

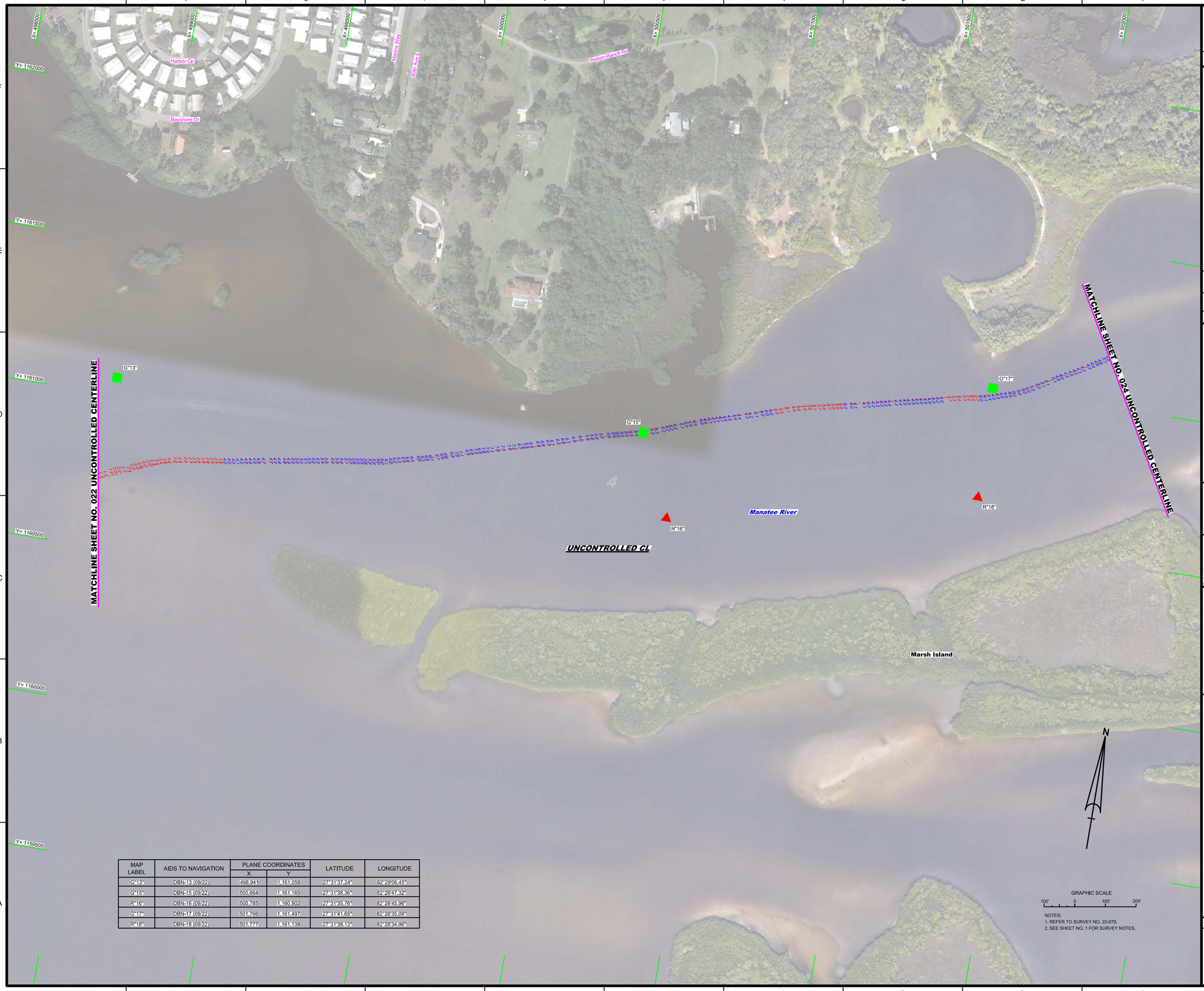
PLAN

Scale: AS SHOWN

Drawing no.

22

SHEET 22 OF 29



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"13"	DBN-13 (09/22)	498,941	1,161,058	27°31'37.24"	82°29'06.45"
G"15"	DBN-15 (09/22)	500,664	1,161,165	27°31'38.36"	82°28'47.32"
R"16"	DBN-16 (09/22)	500,785	1,160,902	27°31'35.76"	82°28'45.96"
G"17"	DBN-17 (09/22)	501,766	1,161,497	27°31'41.69"	82°28'35.09"
R"18"	DBN-18 (09/22)	501,777	1,161,138	27°31'38.13"	82°28'34.96"

NOTES:
1. REFER TO SURVEY NO. 22-079.
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: SEP 2022

Reference files:
XXXXXXXXXX-XXXXXX.DGN
XXXXXXXXXX-XXXXXX.DGN
XXXXXXXXXX-XXXXXX.DGN
XXXXXXXXXX-XXXXXX.DGN
XXXXXXXXXX-XXXXXX.DGN
22-079-A-NAV.DGN
22-079-V-SOUN_ALLCUTS.DGN
22-079-C-BS-BRDR.DGN
File name: 22-079-VH-023.DGN

MANATEE RIVER
MANATEE COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY22
4, 9 AND 12-FOOT PROJECT

UNCONTROLLED CENTERLINE

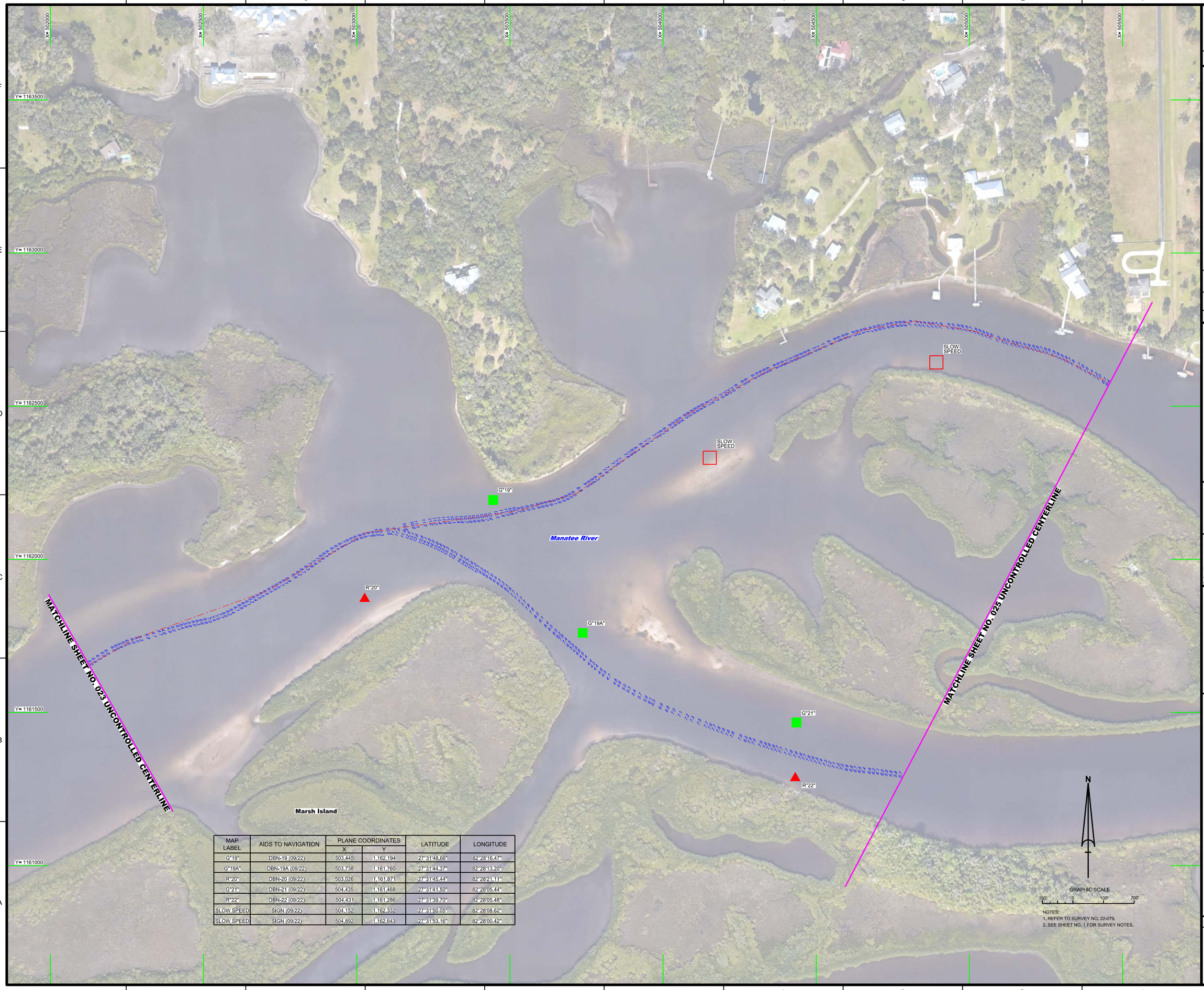
PLAN

Scale: AS SHOWN

Drawing no.

23

SHEET 23 OF 29



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"19"	DBN-19 (09/22)	503,445	1,162,194	27°31'48.66"	82°28'16.47"
G"19A"	DBN-19A (09/22)	503,738	1,161,760	27°31'44.37"	82°28'13.20"
R"20"	DBN-20 (09/22)	503,026	1,161,871	27°31'45.44"	82°28'21.11"
G"21"	DBN-21 (09/22)	504,435	1,161,468	27°31'41.50"	82°28'05.44"
R"22"	DBN-22 (09/22)	504,431	1,161,286	27°31'39.70"	82°28'05.48"
SLOW SPEED	SIGN (09/22)	504,152	1,162,332	27°31'50.05"	82°28'08.62"
SLOW SPEED	SIGN (09/22)	504,892	1,162,643	27°31'53.16"	82°28'00.42"

NOTES:
1. REFER TO SURVEY NO. 22-079.
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
Chd by: CMR
Rev. No.
Date: SEP 2022

Reference files:
X:\XXXXXXXX-XXXXXXX.DGN
X:\XXXXXXXX-XXXXXXX.DGN
X:\XXXXXXXX-XXXXXXX.DGN
X:\XXXXXXXX-XXXXXXX.DGN
X:\XXXXXXXX-XXXXXXX.DGN
22-079-VI-SOUN_ALLCUTS.DGN
MANATEERIVERCH8D.DGN
22-079-04S-BNDR.DGN
22-079-VI-H024.DGN
File name:

MANATEE RIVER
MANATEE COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY22
4, 9 AND 12-FOOT PROJECT

UNCONTROLLED CENTERLINE

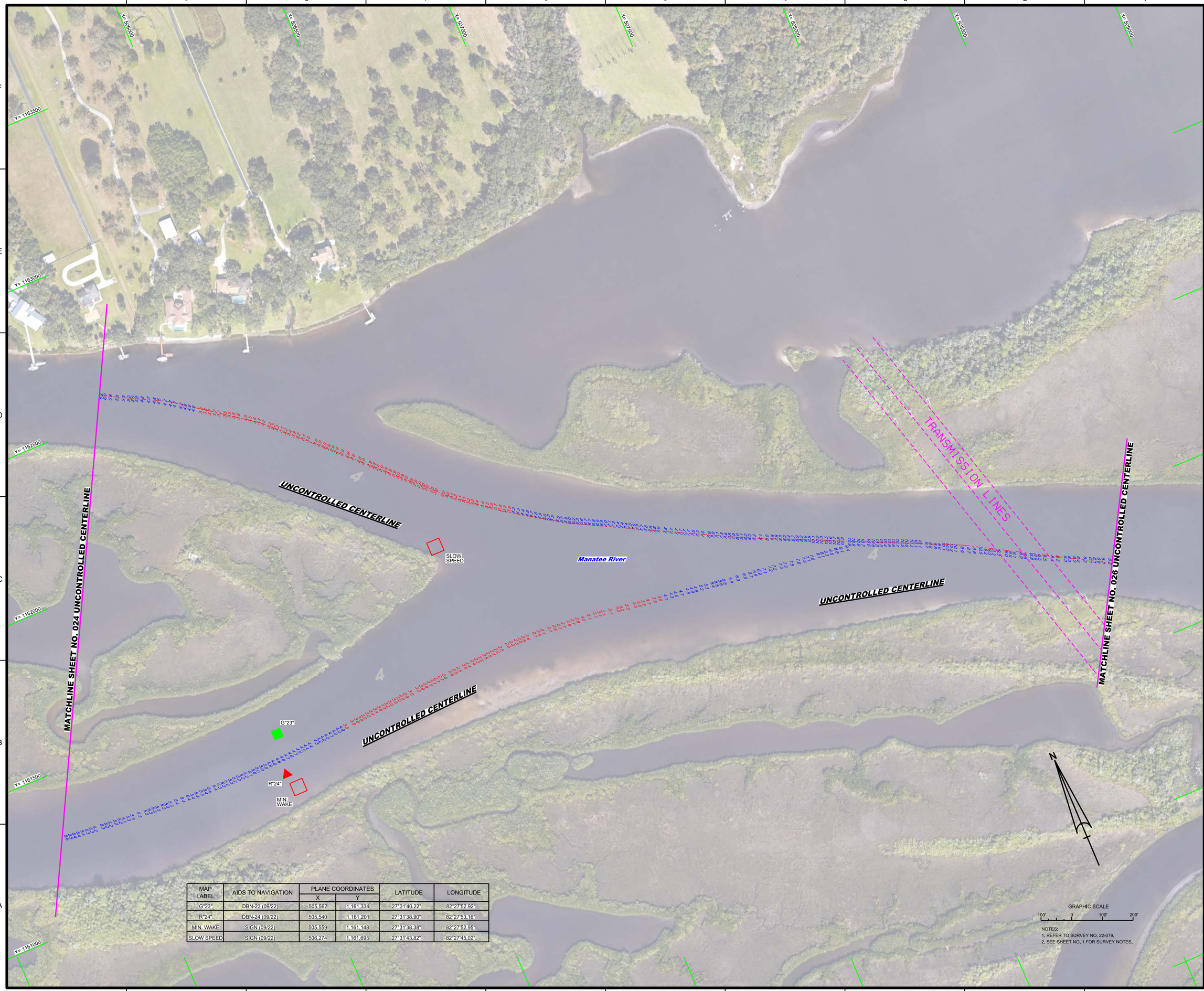
PLAN

Scale: AS SHOWN

Drawing no.

24

SHEET 24 OF 29



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"23"	DBN-23 (09/22)	505,562	1,161,334	27°31'140.22"	82°27'52.92"
R"24"	DBN-24 (09/22)	505,540	1,161,201	27°31'38.90"	82°27'53.16"
MIN. WAKE	SIGN (09/22)	505,559	1,161,148	27°31'38.38"	82°27'52.95"
SLOW SPEED	SIGN (09/22)	506,274	1,161,695	27°31'43.82"	82°27'45.02"

NOTES:
1. REFER TO SURVEY NO. 22-079.
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: SEP 2022

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
22-079-VH-SOUNDINGS.DGN
22-079-VH-SOUN_ALLCUTS.DGN
MANATEERIVERCHB3.DGN
22-079-CES-BRDR.DGN
Reference files:
22-079-VH-025.DGN
File name:

MANATEE RIVER
MANATEE COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY22
4, 9 AND 12-FOOT PROJECT

UNCONTROLLED CENTERLINE

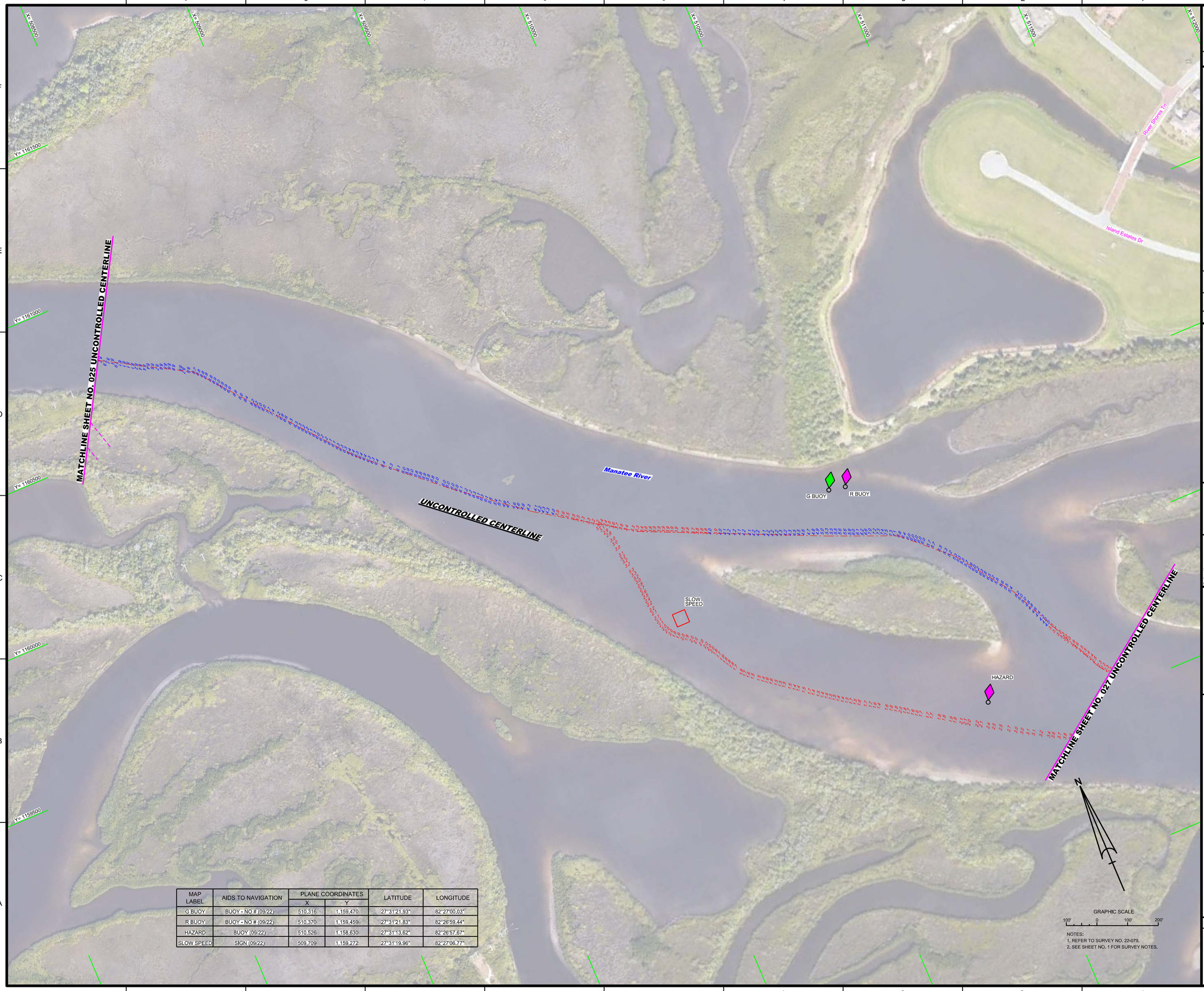
PLAN

Scale: AS SHOWN

Drawing no.

25

SHEET 25 OF 29



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G BUOY	BUOY - NO # (09/22)	510,316	1,159,470	27°31'21.93"	82°27'00.03"
R BUOY	BUOY - NO # (09/22)	510,370	1,159,459	27°31'21.83"	82°26'59.44"
HAZARD	BUOY (09/22)	510,526	1,158,630	27°31'13.62"	82°26'57.67"
SLOW SPEED	SIGN (09/22)	509,709	1,159,272	27°31'19.96"	82°27'06.77"

NOTES:
1. REFER TO SURVEY NO. 22-079.
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: SEP 2022

XXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXX.DGN
22-079A-SOUN_ALLCUTS.DGN
MANATEERIVERCHB3.DGN
22-079A-BS-BRDR.DGN
Reference files:
22-079-HH-02B.DGN
File name:

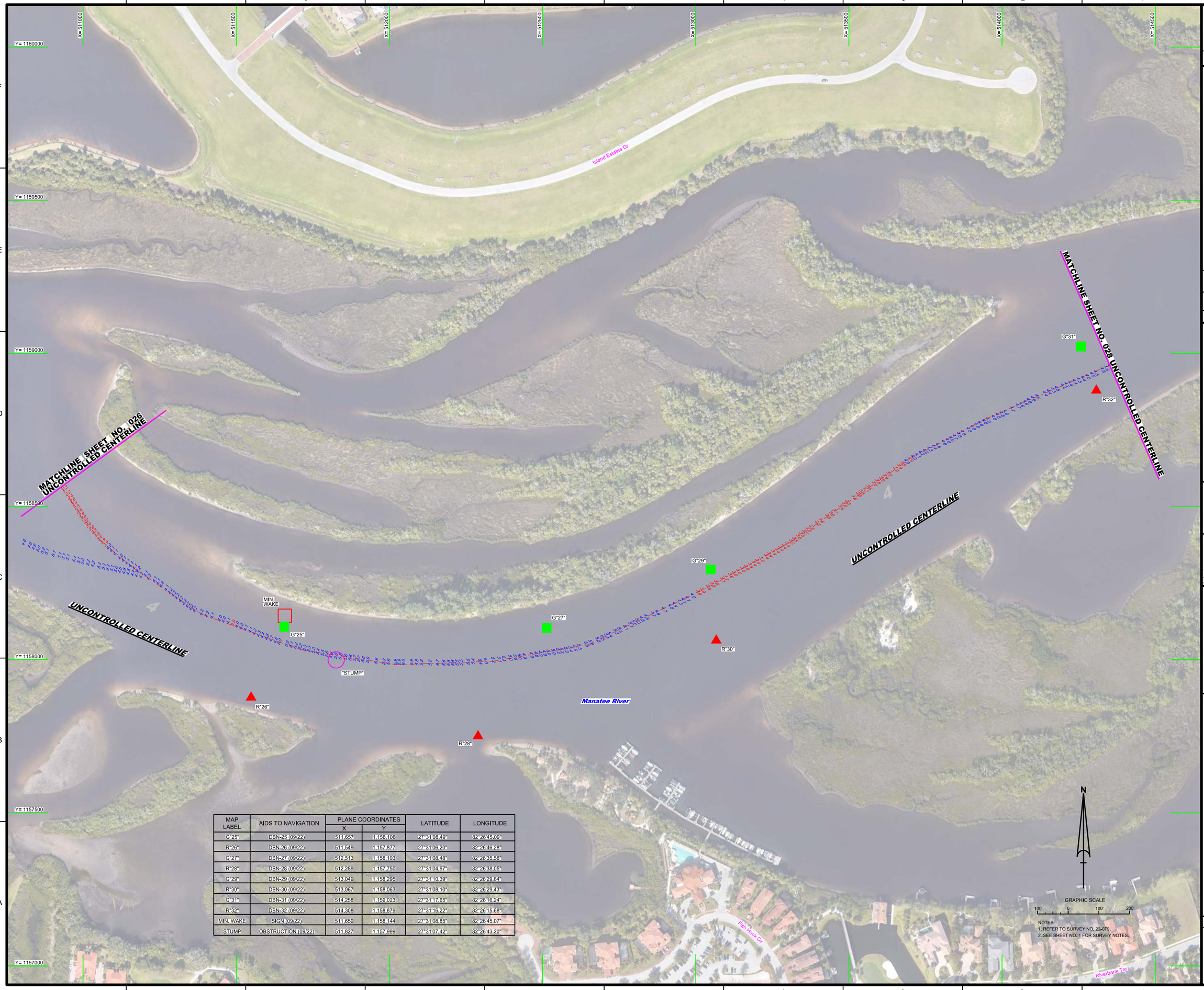
MANATEE RIVER
MANATEE COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY22
4, 9 AND 12-FOOT PROJECT
UNCONTROLLED CENTERLINE
PLAN

Scale: AS SHOWN

Drawing no.
26

SHEET 26 OF 29



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"25"	DBN-25 (09/22)	511,657	1,158,108	27°31'08.49"	82°26'45.09"
R"26"	DBN-26 (09/22)	511,549	1,157,877	27°31'06.20"	82°26'46.28"
G"27"	DBN-27 (09/22)	512,513	1,158,103	27°31'08.48"	82°26'35.58"
R"28"	DBN-28 (09/22)	512,289	1,157,750	27°31'04.97"	82°26'38.05"
G"29"	DBN-29 (09/22)	513,049	1,158,295	27°31'10.39"	82°26'29.64"
R"30"	DBN-30 (09/22)	513,067	1,158,063	27°31'08.10"	82°26'29.43"
G"31"	DBN-31 (09/22)	514,258	1,159,023	27°31'17.65"	82°26'16.24"
R"32"	DBN-32 (09/22)	514,308	1,158,879	27°31'16.22"	82°26'15.68"
MIN. WAKE	SIGN (09/22)	511,659	1,158,144	27°31'08.85"	82°26'45.07"
STUMP	OBSTRUCTION (09/22)	511,827	1,157,999	27°31'07.42"	82°26'43.20"

NOTES:
1. REFER TO SURVEY NO. 22-079.
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: SEP 2022

X:\XXXXXXXX-XXXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
22-079-VI-SOUN_ALLCUTS.DGN
MANATEERIVERCH83.DGN
22-079-24SHEREDR.DGN
Reference files:

22-079-VH-027.DGN
File name:

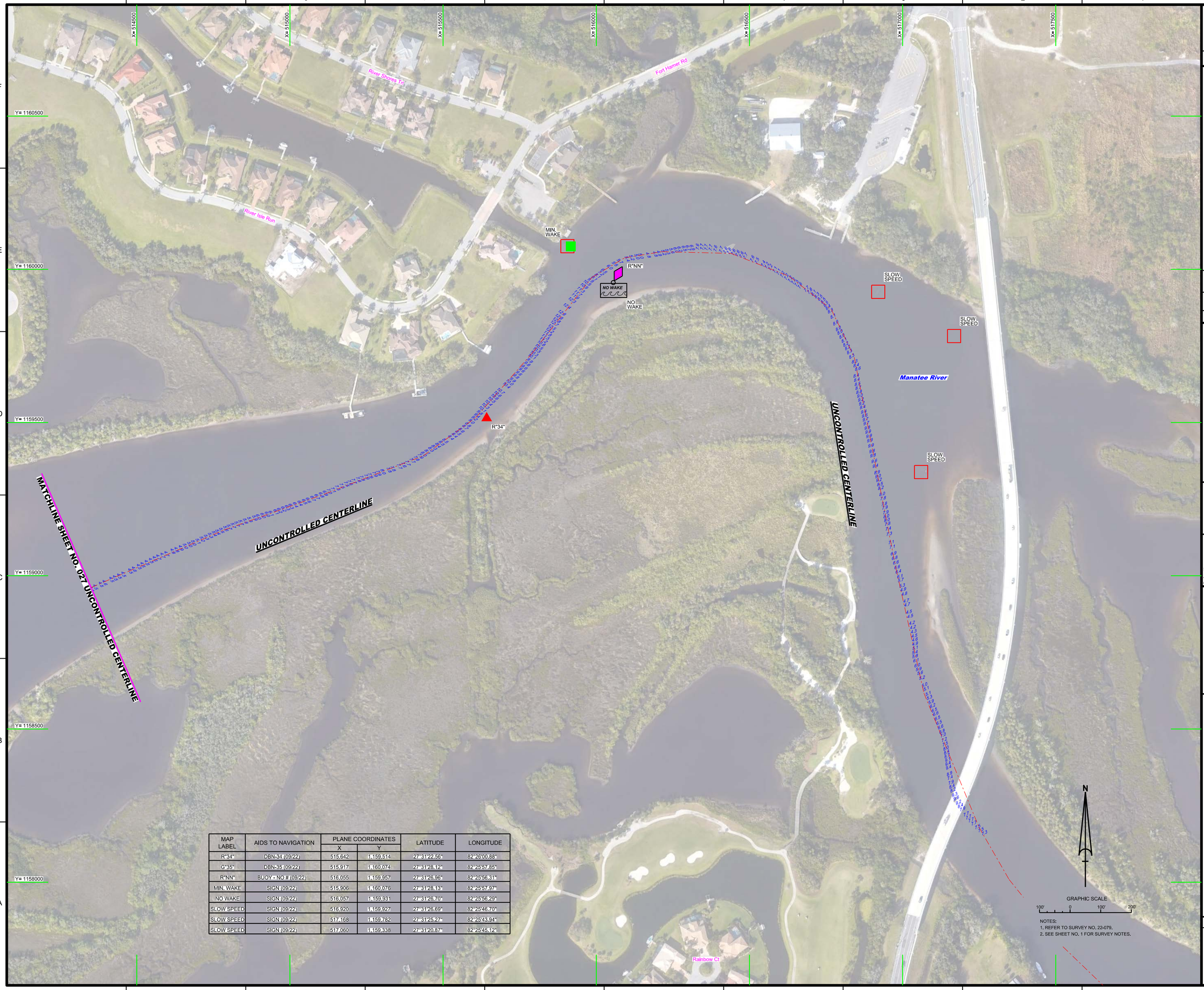
MANATEE RIVER
MANATEE COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY22
4, 9 AND 12-FOOT PROJECT
UNCONTROLLED CENTERLINE
PLAN

Scale: AS SHOWN

Drawing no.
27

SHEET 27 OF 29



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"34"	DBN-34 (09/22)	515,642	1,159,514	27°31'22.56"	82°26'00.88"
G"35"	DBN-35 (09/22)	515,917	1,160,074	27°31'28.12"	82°25'57.85"
R"NN"	BUOY - NO # (09/22)	516,055	1,159,957	27°31'26.96"	82°25'56.31"
MIN. WAKE	SIGN (09/22)	515,906	1,160,076	27°31'28.13"	82°25'57.97"
NO WAKE	SIGN (09/22)	516,057	1,159,931	27°31'26.70"	82°25'56.29"
SLOW SPEED	SIGN (09/22)	516,920	1,159,927	27°31'26.69"	82°25'46.70"
SLOW SPEED	SIGN (09/22)	517,168	1,159,782	27°31'25.27"	82°25'43.94"
SLOW SPEED	SIGN (09/22)	517,060	1,159,338	27°31'20.87"	82°25'45.12"

NOTES:
1. REFER TO SURVEY NO. 22-079.
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: SEP 2022

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
22-079-XXXXXXXXXXXX.DGN
22-079-XX-SOUNDING_ALLCUTS.DGN
MANATEEREVERCH83.DGN
22-079-04S-SNDRLD.DGN
Reference files:
22-079-VHD28.DGN
File name:

MANATEE RIVER
MANATEE COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY22
4, 9 AND 12-FOOT PROJECT

UNCONTROLLED CENTERLINE

PLAN

Scale: AS SHOWN

Drawing no.

28

SHEET 28 OF 29

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"2"	DBN-2 (09/22)	457,763	1,159,425	27°31'19.25"	82°36'43.75"
R"4"	DBN-4 (09/22)	459,669	1,162,068	27°31'45.22"	82°36'22.72"
G "NN"	DBN - NO # (09/22)	457,915	1,159,933	27°31'24.30"	82°36'42.09"
G "NN"	DBN - NO # (09/22)	459,184	1,161,357	27°31'38.46"	82°36'28.07"
R "NN"	DBN - NO # (09/22)	459,146	1,161,310	27°31'37.99"	82°36'28.50"
MIN. WAKE	SIGN (09/22)	458,093	1,160,151	27°31'26.46"	82°25'40.13"
NO WAKE	SIGN (09/22)	458,149	1,159,964	27°31'24.61"	82°36'39.50"
NO WAKE	SIGN (09/22)	459,206	1,161,386	27°31'38.74"	82°36'27.83"
NO WAKE	SIGN (09/22)	459,019	1,161,486	27°31'39.73"	82°36'29.91"
PILING	PILING (09/22)	458,156	1,160,223	27°31'27.18"	82°36'39.43"

GRAPHIC SCALE
100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 22-079.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

Rev. Symbol Zone

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

Cad by: GMR
Designed by: WRM
DWN by: WRM
Rev. No.
Dated: SEP 2022

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
22-079-0-ARM.DGN
22-079-V-SOUN_ALLCUTS.DGN
22-079-0-GRS-BRDR.DGN
Referenced files:
22-079-V-H-029.DGN
File: name.rvc

MANATEE RIVER
MANATEE COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY22
4, 9 AND 12-FOOT PROJECT
CUTMENS EDGE
PLAN

Scale: AS SHOWN

Drawing no.
29

SHEET 29 OF 29

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