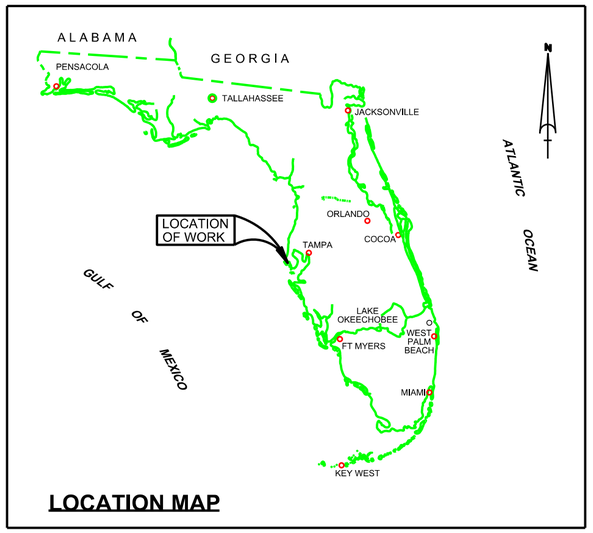
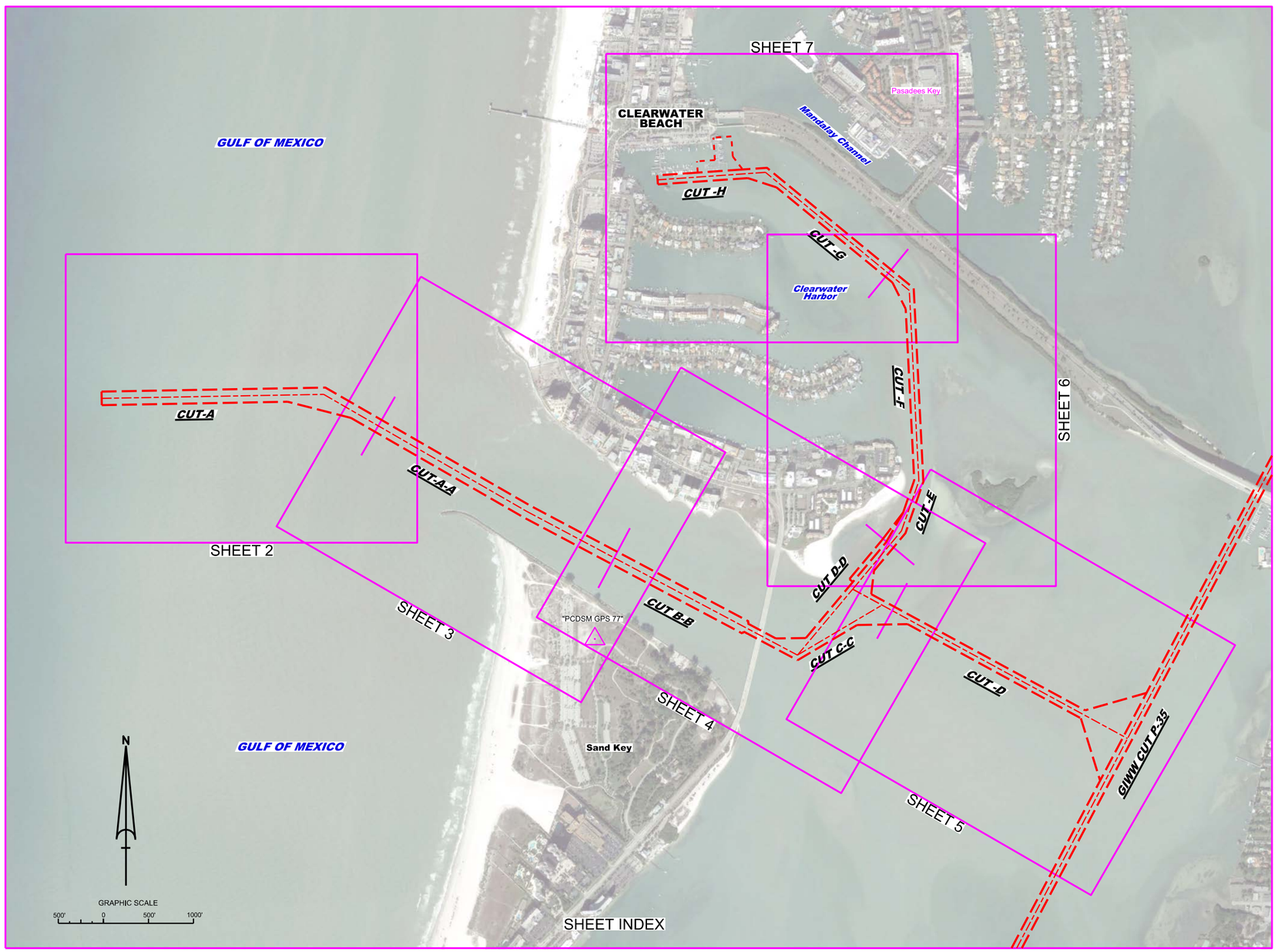
CLEARWATER PASS
PINELLAS COUNTY, FLORIDA
PROJECT CONDITION SURVEY FY23
8 AND 10-FOOT PROJECT



LOCATION MAP



SURVEY NOTES

1. REFER TO SURVEY NO. 23-054.
2. DEPTHS DEPICTED BY THIS SURVEY ARE REFERENCED TO MEAN LOWER LOW WATER (MLLW) 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 "AWL USE" FOR ENTIRE PROJECT (PID: AG0307)
3. TIDAL REDUCTIONS WERE OBTAINED UTILIZING A REAL-TIME KINEMATIC (RTK) GPS AND REFERENCED TO MLLW UTILIZING A HYPACK KINEMATIC TIDE DATUM (KTD) MODEL NAMED "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 LOCATION:

   REFERENCE BASE LOCATED AT "PCDSM GPS 77" (PID: DF5856)
8. VERTICAL MEASUREMENTS WERE MADE USING AN ECHOTRAC E20 DUAL-FREQUENCY 28/200 KHZ SINGLE-BEAM TRANSDUCER AND AN EDGETECH COMBINED MULTI-BEAM AND SIDESCAN. ALL SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.

VESSEL	DATE OF SURVEY	CUT
SB-44	11 DEC 2022	ALL CUTS

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

Cad by: CLBR
Designed by: WRM
DWN by: VRM
Ver. No. V91SER-XX-X-XXXX
Date: DEC 2022

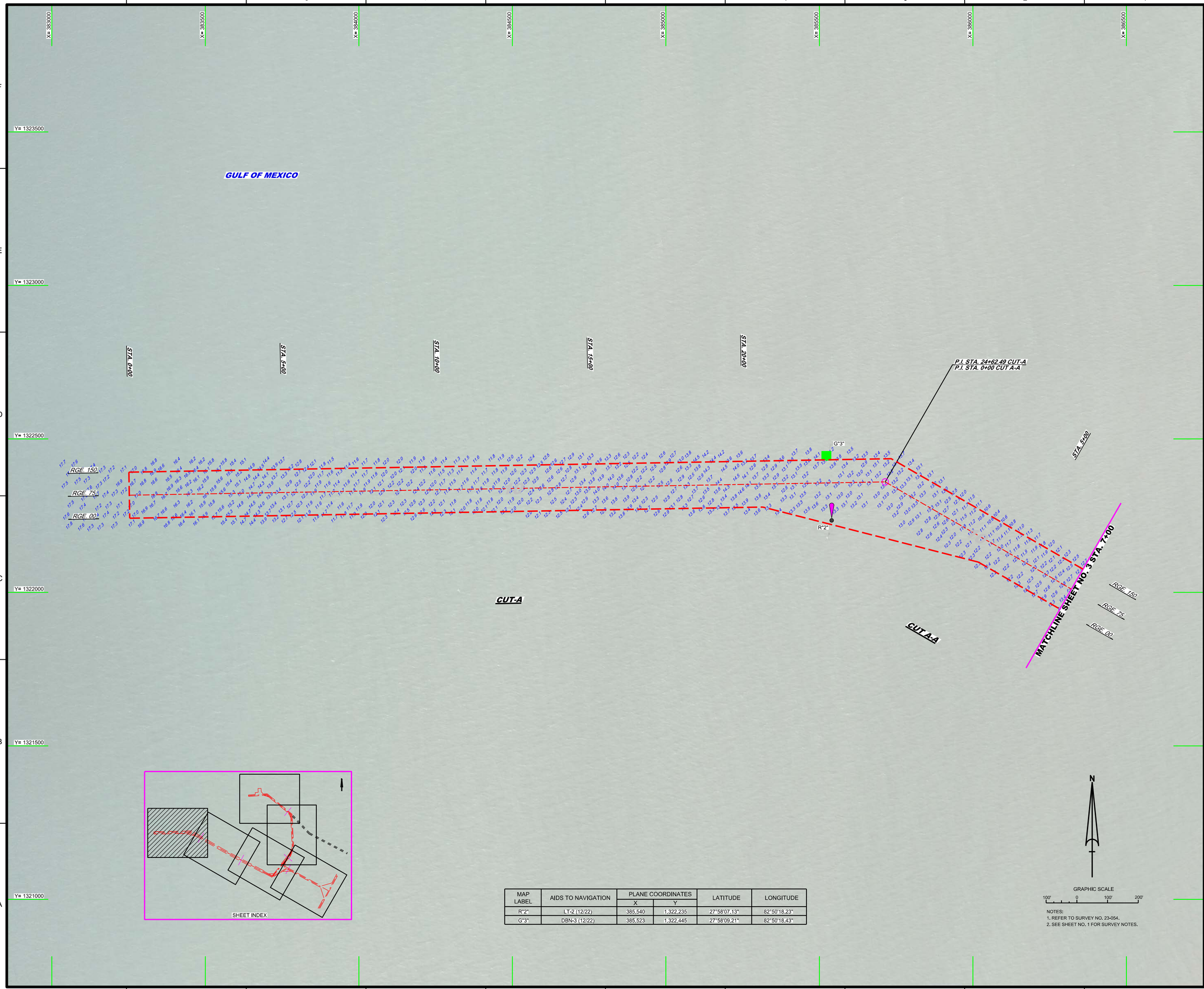
XXXXXXXX-XXXX.DGN
XXXXXXXX-XXXXXXXX.DGN
XXXXXXXX-XXXXXXXX.DGN
XXXXXXXX-XXXXXXXX.DGN
XXXXXXXX-XXXXXXXX.DGN
GIWW-CAGMCF.DGN
CLEARWATER-CAGMCF.DGN
23-054-CAGBORDR.DGN
Reference files:
23-054-VR-SH01.DGN
File name:

CLEARWATER PASS
PINELLAS COUNTY, FLORIDA
PROJECT CONDITION SURVEY FY23
8 AND 10-FOOT PROJECT
INDEX, LOCATION AND VICINITY
MAP

Scale: AS SHOWN

Drawing no.
1

SHEET 01 OF 07



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"2"	LT-2 (12/22)	385,540	1,322,235	27°58'07.13"	82°50'18.23"
G"3"	DBN-3 (12/22)	385,523	1,322,445	27°58'09.21"	82°50'18.43"

NOTES:
1. REFER TO SURVEY NO. 23-054.
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: VRM
DWN by: VRM
Ckd by: GMR
Trv. No. W912EP-XX-C-XXXX
Dated: DEC 2022

XXXXXX-XXXXXX.DGN
XXXXXX-XXXXXX.DGN
XXXXXX-XXXXXX.DTM
23-054-A-SIGN_ALLCUTS.DGN
CLEARWATER-C-NGMCCF.DGN
23-054-C-BS-BRDR.DGN
Reference files
23-054-H-SHR02.DGN
File name:

CLEARWATER PASS
PINELLAS COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY23
8 AND 10-FOOT PROJECT

STA. 0+00 CUT-A THRU STA. 7+00 CUT A-A

PLAN

Scale: AS SHOWN

Drawing no.

2

SHEET 02 OF 07

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"4"	LT-4 (12/22)	386,819	1,321,545	27°58'00.38"	82°50'03.91"
R"6"	LT-6 (12/22)	388,141	1,320,892	27°57'54.01"	82°49'49.12"
G"7"	LT-7 (12/22)	388,271	1,321,090	27°57'55.98"	82°49'47.69"

NOTES:
1. REFER TO SURVEY NO. 23-054.
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: CMR
DWN by: VIRM
CKD by: VIRM
Rev. No. V9123EP-XX-X-XXXX
Date: DEC 2022

XXXXXXXXXX-XXXXXXXX.DGN
XXXXXXXXXX-XXXXXXXX.DGN
XXXXXXXXXX-XXXXXXXX.DGN
XXXXXXXXXX-XXXXXXXX.DGN
23-054-V-MAN.DGN
23-054-V-CONTROL.DGN
23-054-V-SOUN_ALCUTS.DGN
CLEARWATER-CANCMCDF.DGN
23-054-V-SB-SHDR.DGN
Reference files:
23-054-V-H-SHOLD.DGN
File name:

CLEARWATER PASS
PINELLAS COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY23
8 AND 10-FOOT PROJECT

STA. 7+00 CUT A-A THRU STA. 11+00 CUT B-B

PLAN

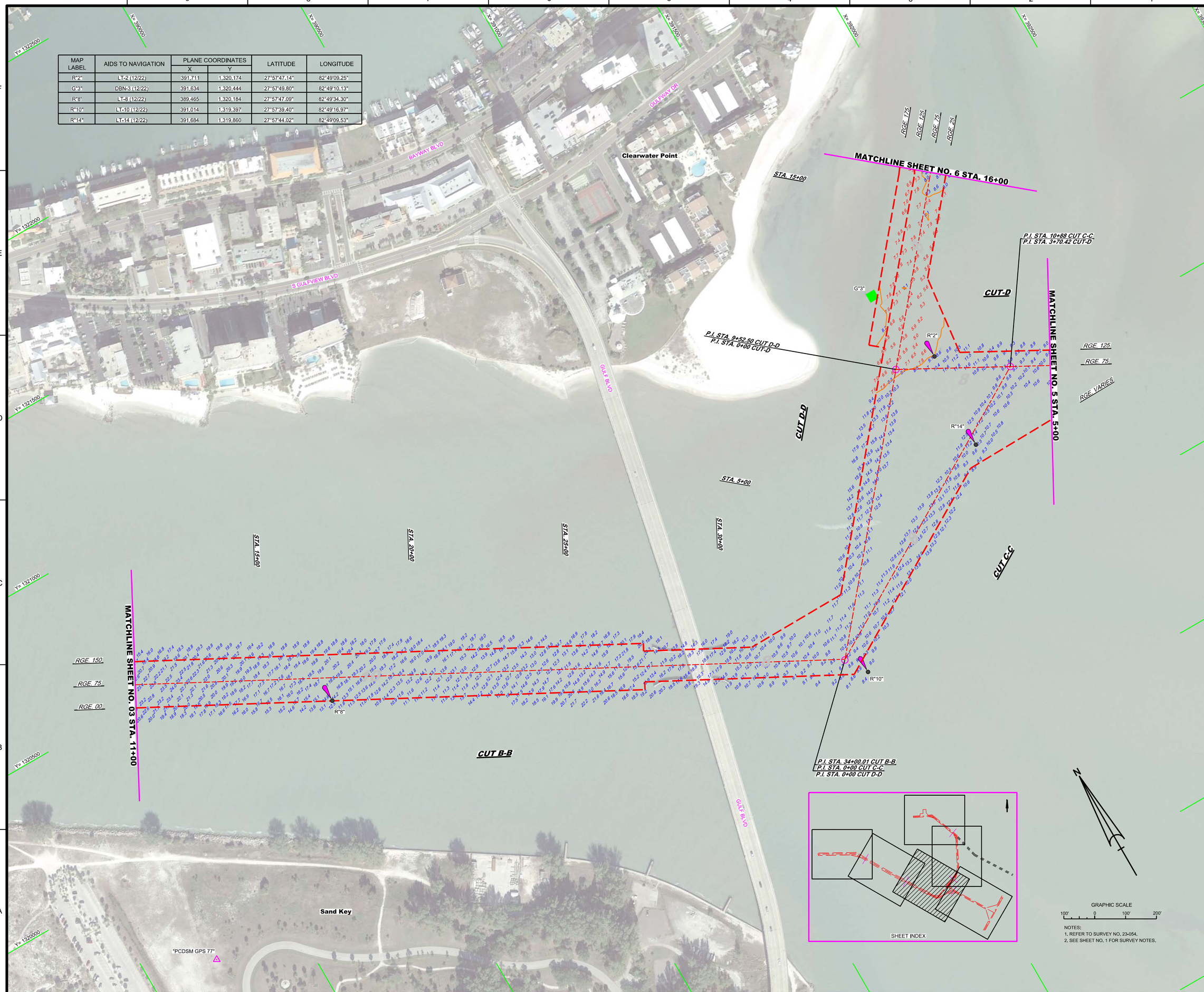
Scale: AS SHOWN

Drawing no.

3

SHEET 03 OF 07

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"2"	LT-2 (12/22)	391,711	1,320,174	27°57'47.14"	82°49'09.25"
G"3"	DBN-3 (12/22)	391,634	1,320,444	27°57'49.80"	82°49'10.13"
R"8"	LT-8 (12/22)	389,465	1,320,184	27°57'47.09"	82°49'34.30"
R"10"	LT-10 (12/22)	391,014	1,319,397	27°57'39.40"	82°49'16.97"
R"14"	LT-14 (12/22)	391,684	1,319,860	27°57'44.02"	82°49'09.53"



NOTES:
1. REFER TO SURVEY NO. 23-054.
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. V9123EP-XX-X-XXXX
Date: DEC 2022

23-054-V-CONS.DGN
23-054-V-SURV_ALL.DGN
23-054-V-SOUN_ALLCUTS.DGN
CLEARWATER-C-MGMCCF.DGN
23-054-V-PS-SHDR.DGN
Reference files:
23-054-V-HS-SHO4.DGN
File name:

CLEARWATER PASS
PINELLAS COUNTY, FLORIDA

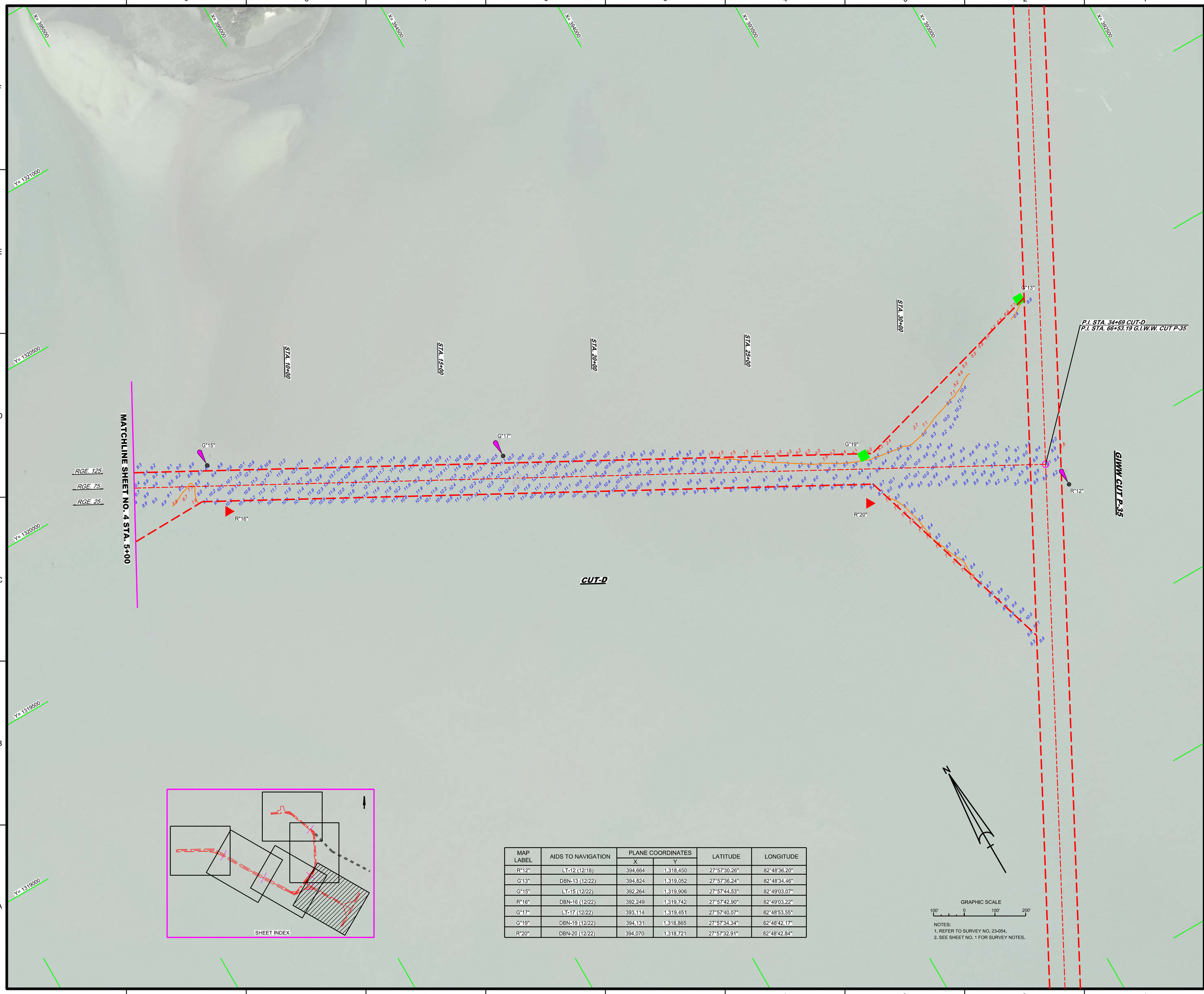
PROJECT CONDITION SURVEY FY23
8 AND 10-FOOT PROJECT
STA. 11+00 THRU STA. 16+00 CUT C-C
STA. 0+00 THRU STA. 10+88 CUT C-C
STA. 0+00 THRU STA. 9+52.50 CUT D-D
STA. 0+00 THRU STA. 5+00 CUT-D

PLAN

Scale: AS SHOWN

Drawing no.
4

SHEET 04 OF 07



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"12"	LT-12 (12/18)	394,664	1,318,450	27°57'30.26"	82°48'36.20"
G"13"	DBN-13 (12/22)	394,824	1,319,052	27°57'36.24"	82°48'34.46"
G"15"	LT-15 (12/22)	392,264	1,319,906	27°57'44.53"	82°49'03.07"
R"16"	DBN-16 (12/22)	392,249	1,319,742	27°57'42.90"	82°49'03.22"
G"17"	LT-17 (12/22)	393,114	1,319,451	27°57'40.07"	82°48'53.55"
G"19"	DBN-19 (12/22)	394,131	1,318,865	27°57'34.34"	82°48'42.17"
R"20"	DBN-20 (12/22)	394,070	1,318,721	27°57'32.91"	82°48'42.84"

NOTES:
1. REFER TO SURVEY NO. 23-054.
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. W912EP-XX-X-XXXX
Date: DEC 2022

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
23-054-V-CONB.DGN
23-054-V-NAV.DGN
23-054-V-CONA_ALL CUTS.DGN
GIWW-C-NGCF.DGN
CLEARWATER-C-NGMCF.DGN
23-054-C-BS-BRDR.DGN
References files:
23-054-VH-SH05.DGN
File name:

CLEARWATER PASS
PINELLAS COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY23
8 AND 10-FOOT PROJECT
STA. 5+00 THRU STA. 34+69.29 CUT-D
PLAN

Scale: AS SHOWN

Drawing no.
5

SHEET 05 OF 07

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"4"	DBN-4 (12/22)	392,238	1,320,921	27°57'54.57"	82°49'03.43"
G"5"	DBN-5 (12/22)	392,124	1,321,006	27°57'55.41"	82°49'04.71"
R"6"	LT-6 (12/22)	392,366	1,321,419	27°57'59.52"	82°49'02.05"
G"7"	DBN-7 (12/22)	392,272	1,321,568	27°58'00.98"	82°49'03.10"
R"8"	DBN-8 (12/22)	392,339	1,322,409	27°58'09.31"	82°49'02.42"
G"9"	DBN-9 (12/22)	392,180	1,323,283	27°58'17.95"	82°49'04.26"
R"10"	LT-10 (12/22)	392,234	1,323,535	27°58'20.46"	82°49'03.68"

NOTES:
1. REFER TO SURVEY NO. 23-054.
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
Inv. No. W912EP-XX-X-XXX
Date: DEC 2022

22-054-A-NAV.DGN
22-054-A-DD-PLAN.DGN
22-054-A-SOUR_ALL CUTS.DGN
CLEARWATER-C-NGMCCF.DGN
22-054-C-BS-BRDR.DGN
Reference files:
22-054-VH-SH06.DGN
File name:

CLEARWATER PASS
PINELLAS COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY23
8 AND 10-FOOT PROJECT

STA. 16+00 CUT D-D THRU STA. 3+00 CUT-G

PLAN

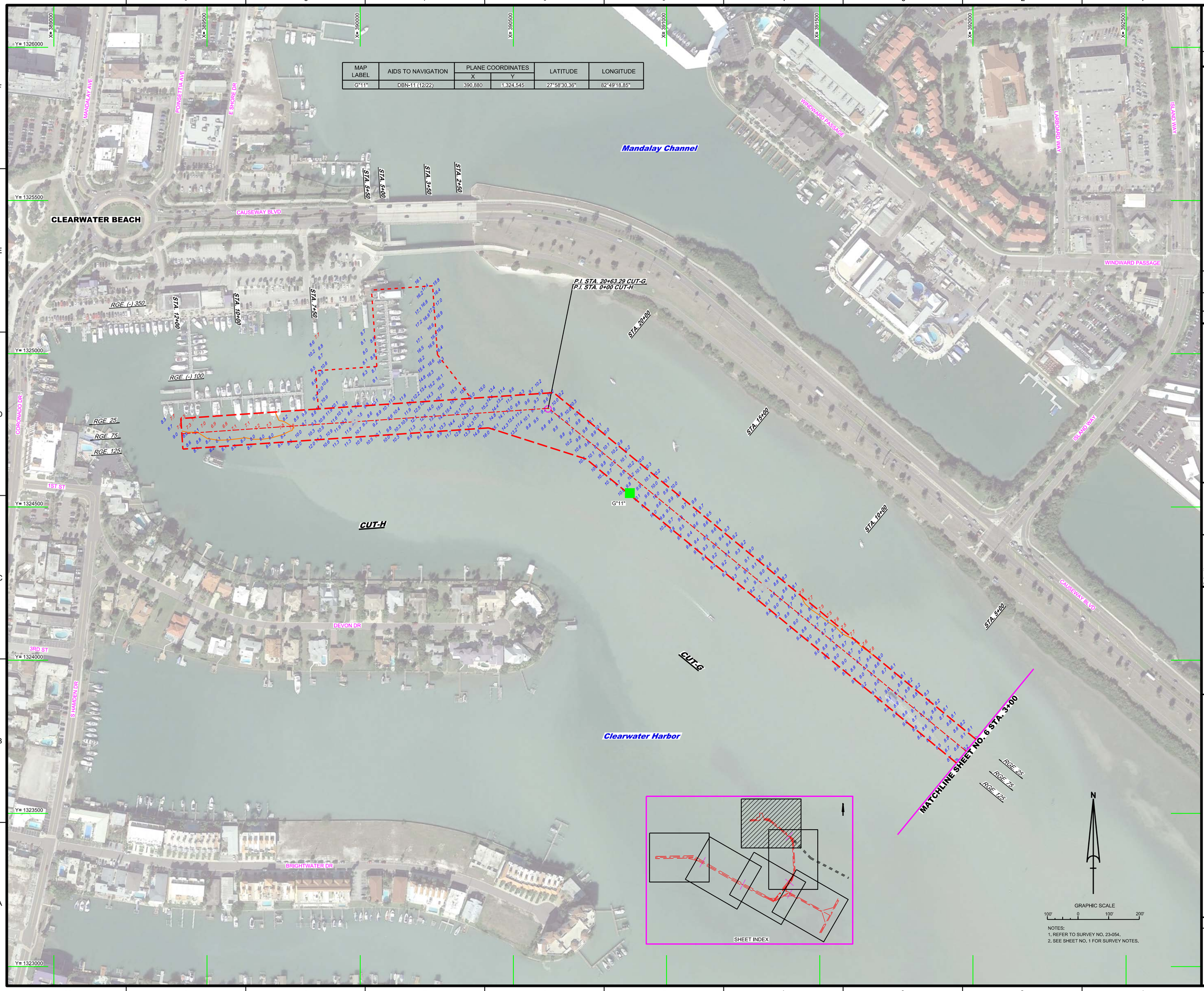
Scale: AS SHOWN

Drawing no.

6

SHEET 06 OF 07

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"11"	DBN-11 (12/22)	390,880	1,324,545	27°58'30.36"	82°49'18.85"



NOTES:
1. REFER TO SURVEY NO. 23-054.
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. V0125EP-XXX-XXXXX
Date: DEC 2022

XXXXXXXX-X-XXXXXX.DGN
23-054-V-CONB.DGN
23-054-V-MAP.DGN
23-054-V-SUN_ALCUTS.DGN
CLEARWATER-C-NGMCEF.DGN
23-054-V-C-BSHDR.DGN
Reference files:
23-054-V-H-SH07.DGN
File name:

CLEARWATER PASS
PINELLAS COUNTY, FLORIDA

PROJECT CONDITION SURVEY FY23
8 AND 10-FOOT PROJECT

STA. 3+00 CUT-G THRU STA. 12+00 CUT-H

PLAN

Scale: AS SHOWN

Drawing no.

7

SHEET 07 OF 07