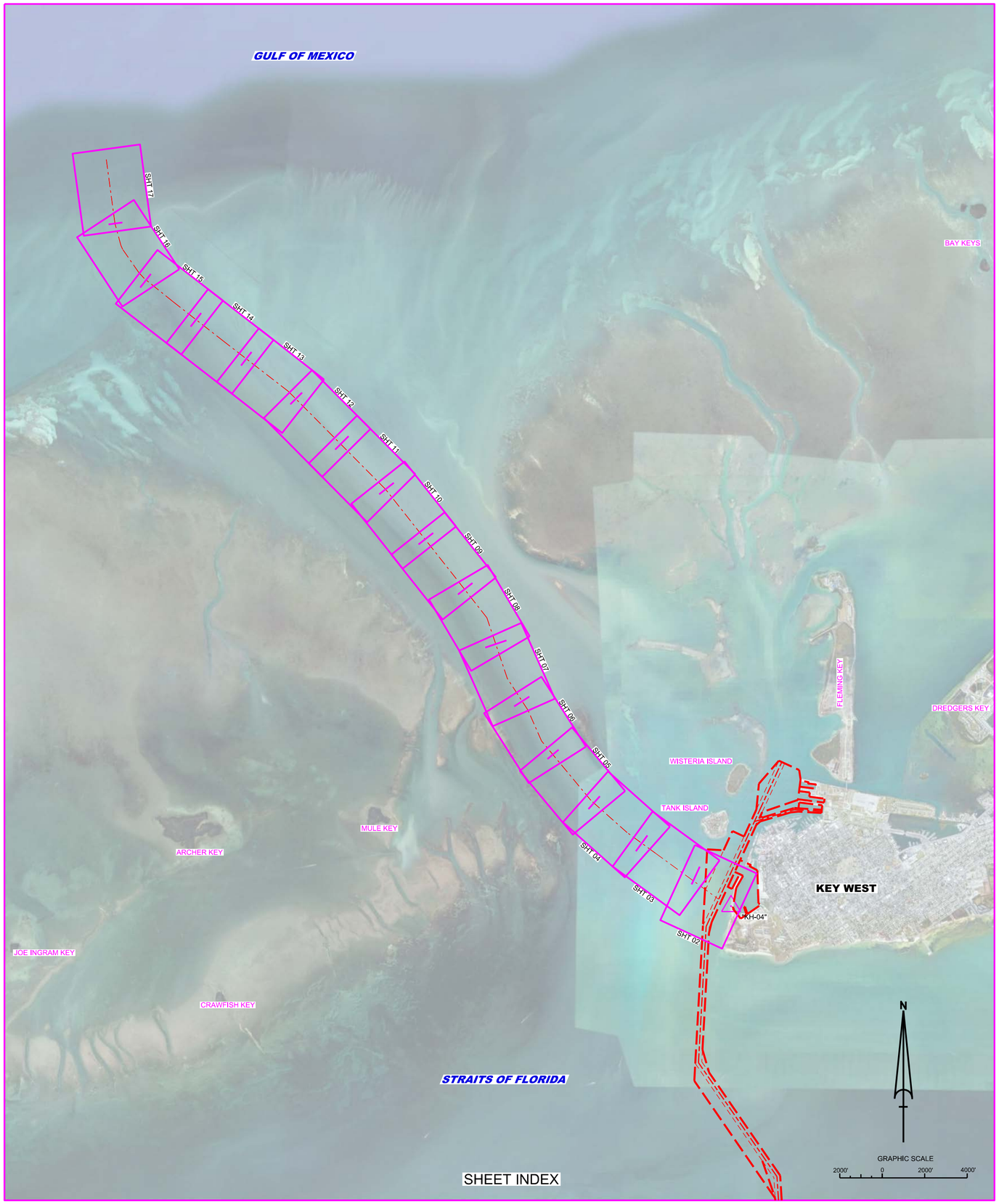


LOCATION MAP

KEY WEST HARBOR NORTHWEST CHANNEL MONROE COUNTY, FLORIDA PROJECT CONDITION SURVEY FY22 17-FOOT PROJECT

LEGEND	
△	BENCHMARK
	LIGHTED BEACON
■	GREEN DAYBEACON
▲	RED DAYBEACON
	RED LIGHTED BUOY
	GREEN LIGHTED BUOY
C	CAN BUOY
N	NUN BUOY
	TIDE STAFF
8	PROJECT DEPTH

SURVEY NOTES

1. REFER TO SURVEY NO. 22-104.
2. ELEVATIONS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER (MLLW) TIDAL DATUM.
3. TIDAL REDUCTIONS WERE OBTAINED UTILIZING REAL-TIME KINEMATIC (RTK) GPS AND REFERENCED TO MLLW UTILIZING A HYPACK KINEMATIC TIDE DATUM (KTD) MODEL. KTD FILE NAME IS: "BROWARD-MIAMIDADE-MONROE-COLLIER_2018 05 02.KTD".
4. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGN.
5. PLANE COORDINATES ARE BASED ON THE TRANSVERSE MERCATOR PROJECTION FOR THE EAST ZONE OF FLORIDA AND REFERENCED TO THE CURRENT REALIZATION OF THE NORTH AMERICAN DATUM OF 1983 (NAD83), BASED ON THE NOAA NATIONAL SPATIAL REFERENCE SYSTEM (NSRS).
6. DEPTHS DEPICTED BY THIS SURVEY ARE REFERENCED TO MLLW, TIDAL EPOCH 1983-2001 AS REPORTED BY THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA). A MODIFIED VERSION OF NOAA'S VDATUM MODEL WAS USED TO CALIBRATE TO THE PUBLISHED MLLW HEIGHTS OF THE BENCHMARKS BELOW:

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

   REFERENCE BASE LOCATED AT "KH-04" (PID: BBCF03)
8. VERTICAL MEASUREMENTS WERE MADE USING A R2SONIC 2026 MULTI-BEAM SYSTEM OPERATING AT 240 KHZ AND A ROSS SMART SOUNDER 835C DUAL-FREQUENCY SOUNDER WITH A 28/200 KHZ SINGLE-BEAM TRANSDUCER. ALL SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.

VESSEL	DATE OF SURVEY	CUT
S/V FLORIDA II	12 AUG 2022	CUT-C
S/V FLORIDA II	13 AUG 2022	NORTHWEST CHANNEL

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 AND EM 1110-2-6056, STANDARDS AND PROCEDURES FOR REFERENCING PROJECT ELEVATION GRADES TO NATIONWIDE VERTICAL DATUMS, 30 NOV 2013.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone

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

Designed by: WRM
Cad by: GMR
DWN by: WRM
Inv. No. W912EP-XX-X-XXXX
Date: AUG 2022

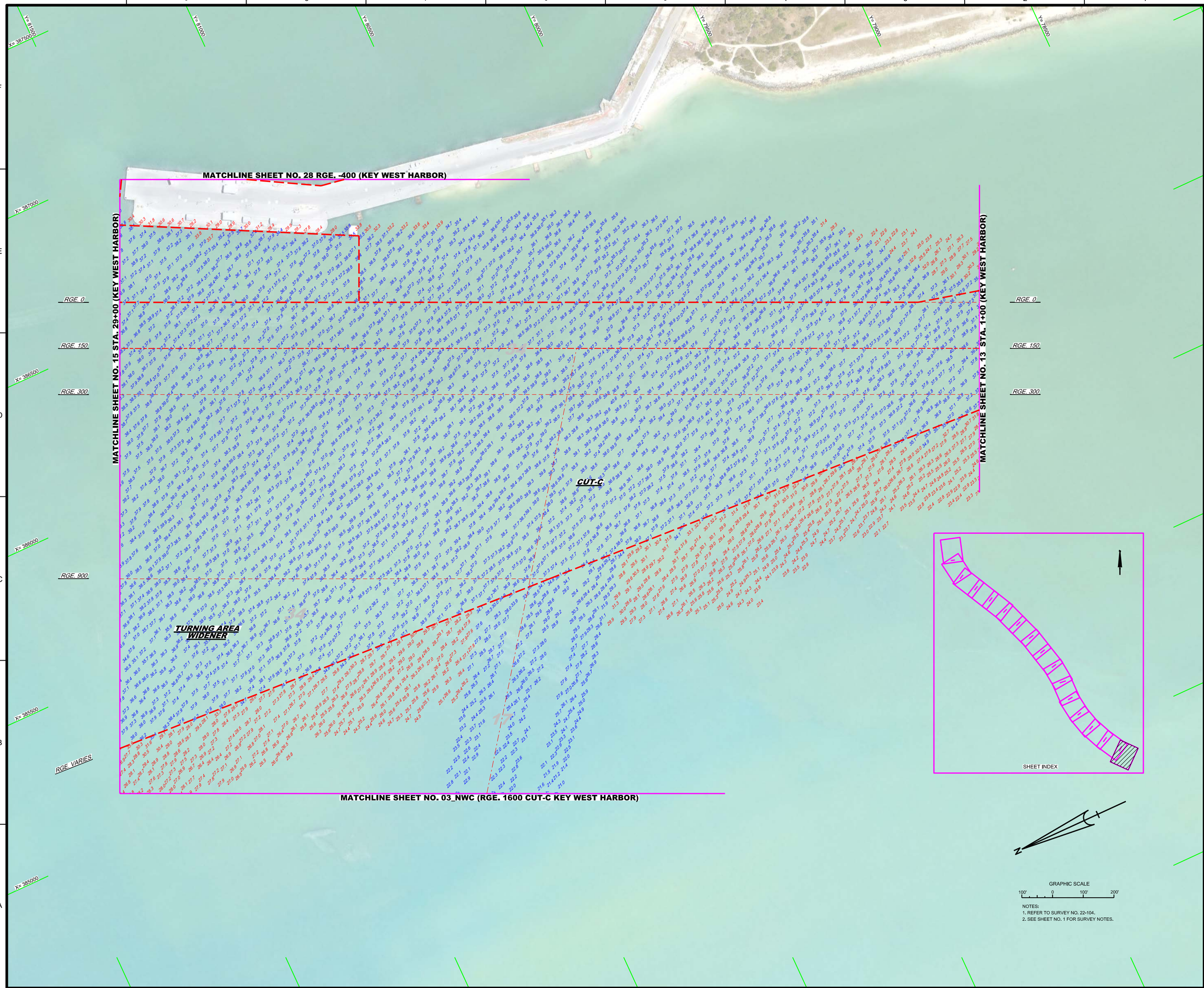
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
KEY WEST HARBOR-NW-XXX.DGN
KWH_CHW.DGN
KEY WEST HARBOR-C-NGWCC-SOW-3D.DGN
22-104-UPH-001_NWC.DGN
Reference files:
22-104-C-BS-BROR_NWC.DGN
File name:

KEY WEST HARBOR, FLORIDA
NORTHWEST CHANNEL
PROJECT CONDITION SURVEY FY22
17-FOOT PROJECT
INDEX, LOCATION AND VICINITY
MAP

Scale: AS SHOWN

Drawing no.
1

SHEET 01 OF 17



NOTES:
1. REFER TO SURVEY NO. 22-104.
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. V01125F=XX-X-XXXX
Date: AUG 2022

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
22-104-VSOUN_NWC.DGN
22-104-VSOUN_NWC.DGN
KEY WEST HARBOR=C-NGMCF-SOV=3D.DGN
22-104=C-BS=BKDR_NWC.DGN
Reference files:
22-104=VH=03_NWC.DGN
File name:

KEY WEST HARBOR, FLORIDA
NORTHWEST CHANNEL

PROJECT CONDITION SURVEY FY22
17-FOOT PROJECT

INTERSECT OF NORTHWEST CHANNEL AND CUT-C (KEY WEST HARBOR)

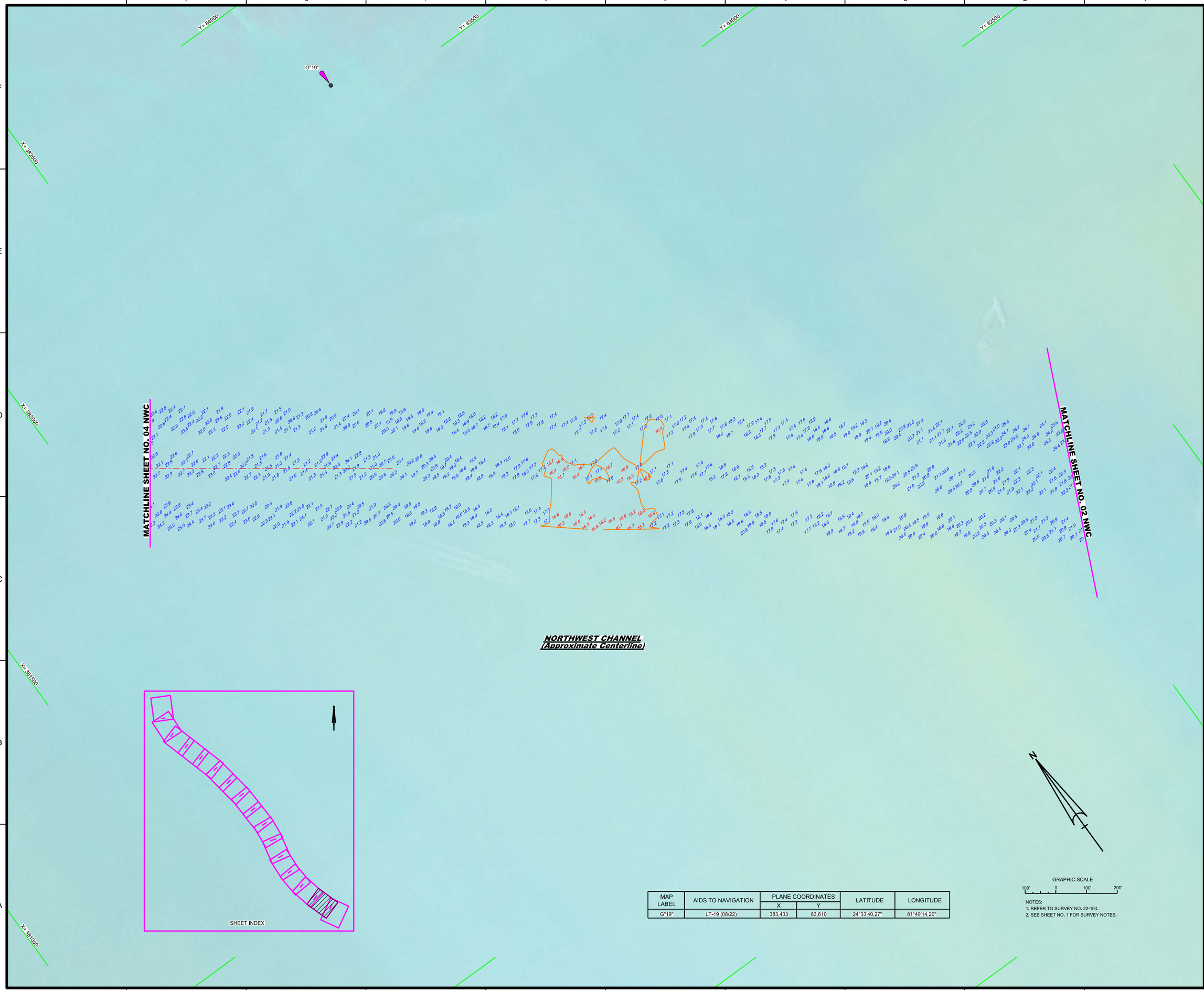
PLAN

Scale: AS SHOWN

Drawing no.

2

SHEET 02 OF 17



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"19"	LT-19 (08/22)	383,433	83,610	24°33'40.27"	81°49'14.20"

NOTES:
1. REFER TO SURVEY NO. 22-104.
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
Cad by: GMR
DWN by: WRM
Inv. No.: W912EP-XX-X-XXXX
Dateut: AUG 2022

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
22-104A-CON17.DGN
22-104A-AVG17.DGN
22-104A-SIGN_NWC.DGN
KWH_CHVB.DGN
22-104-C-BS-BRDR_NWC.DGN
Reference files:
22-104-PH-003_NWC.DGN
File name:

KEY WEST HARBOR, FLORIDA
NORTHWEST CHANNEL

PROJECT CONDITION SURVEY FY22
17-FOOT PROJECT

NORTHWEST CHANNEL

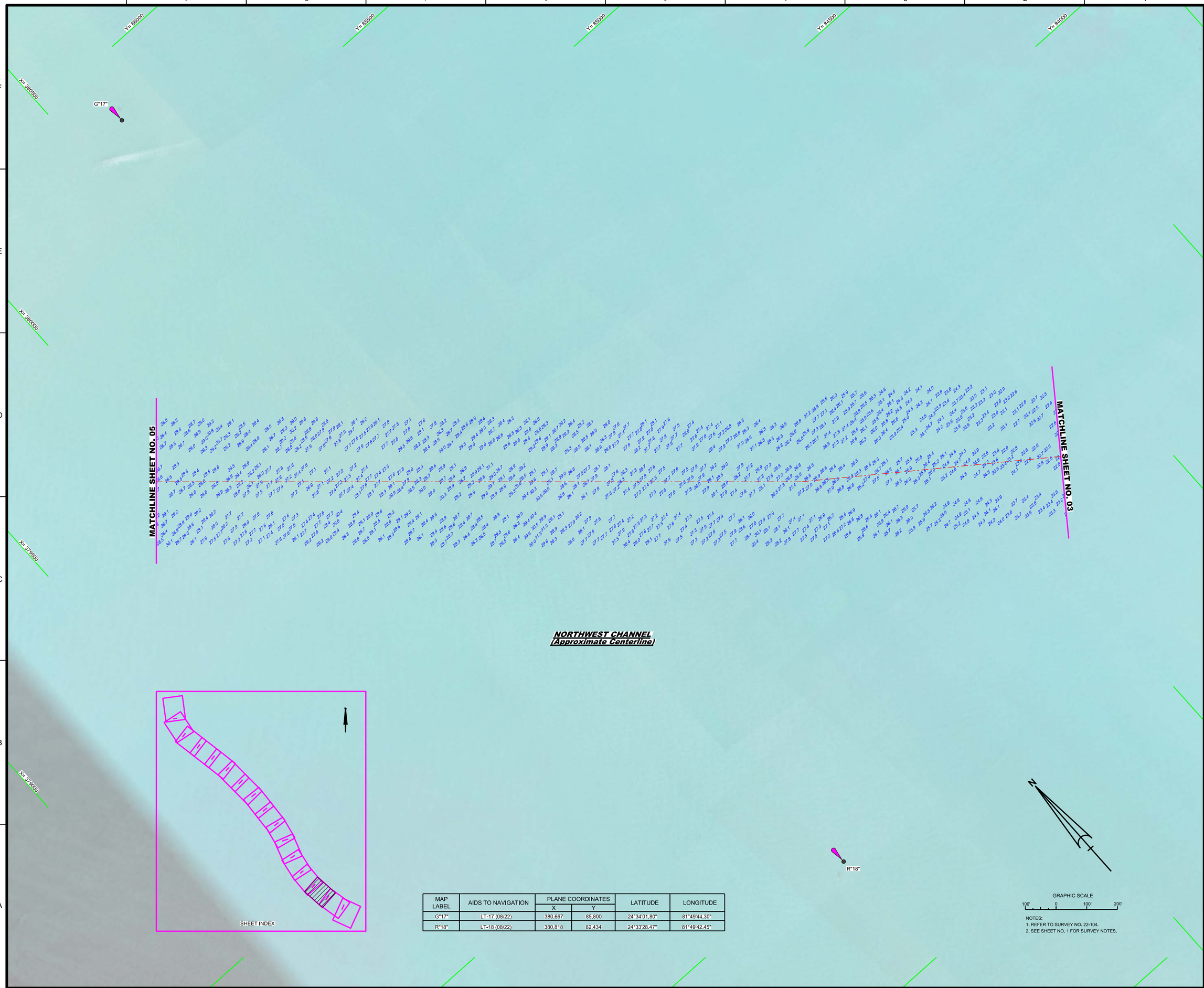
PLAN

Scale: AS SHOWN

Drawing no.

3

SHEET 03 OF 17



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"17"	LT-17 (08/22)	380,667	85,800	24°34'01.80"	81°49'44.30"
R"18"	LT-18 (08/22)	380,818	82,434	24°33'28.47"	81°49'42.45"

NOTES:
1. REFER TO SURVEY NO. 22-104.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone

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

Designed by: MRM
Drawn by: MRM
Chk by: GMR
Proj. No. V9312EP-XX-XX-XX
Date: AUG 2022

XXXXXXXXXX-XXXXXX.DGN
XXXXXXXXXX-XXXXXX.DGN
XXXXXXXXXX-XXXXXX.DGN
XXXXXXXXXX-XXXXXX.DGN
XXXXXXXXXX-XXXXXX.DGN
22-104-A-SDUN_NWC.DGN
KWH_CHVB.DGN
22-104-C-BR-BRDR_NWC.DGN
Reference files:
22-104-HH-004_NWC.DGN
File name:

KEY WEST HARBOR, FLORIDA
NORTHWEST CHANNEL

PROJECT CONDITION SURVEY FY22
17-FOOT PROJECT

NORTHWEST CHANNEL

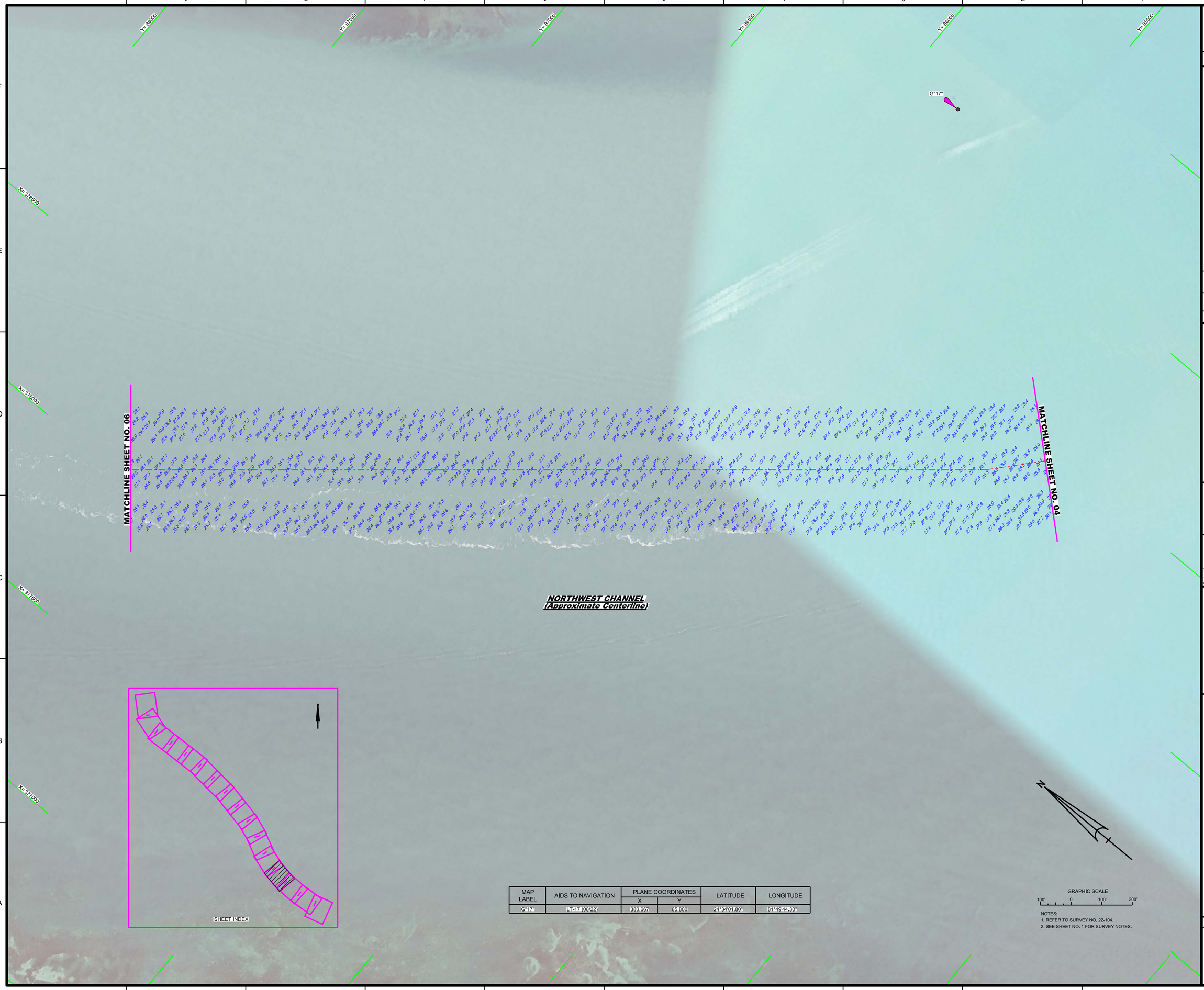
PLAN

Scale: AS SHOWN

Drawing no.

4

SHEET 04 OF 17



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"17"	LT-17 (08/22)	380,667	85,800	24°34'01.80"	81°49'44.30"

NOTES:
1. REFER TO SURVEY NO. 22-104.
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
Prj. No. W912EP-XX-X-XXXX
Date: AUG 2022

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
22-104-AA-SOW.DGN
22-104-SUR_NWC.DGN
XWH_CHV8.DGN
22-104-CAES-BRDR_NWC.DGN
Reference files:
22-104VH-005_NWC.DGN
File name:

KEY WEST HARBOR, FLORIDA
NORTHWEST CHANNEL

PROJECT CONDITION SURVEY FY22
17-FOOT PROJECT

NORTHWEST CHANNEL

PLAN

Scale: AS SHOWN

Drawing no.

5

SHEET 05 OF 17

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"16"	DBN-16 (08/22)	376,028	88,515	24°34'28.42"	81°50'34.73"

NOTES:
1. REFER TO SURVEY NO. 22-104.
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. V912EP-XX-X-XXXX
Date: AUG 2022

XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
22-104-UVHORI_NWC.DGN
KWH_CHV8.DGN
22-104-CHS-BRDR_NWC.DGN
Reference files:
22-104-UVHORI_NWC.DGN
File name:

KEY WEST HARBOR, FLORIDA
NORTHWEST CHANNEL

PROJECT CONDITION SURVEY FY22
17-FOOT PROJECT

NORTHWEST CHANNEL

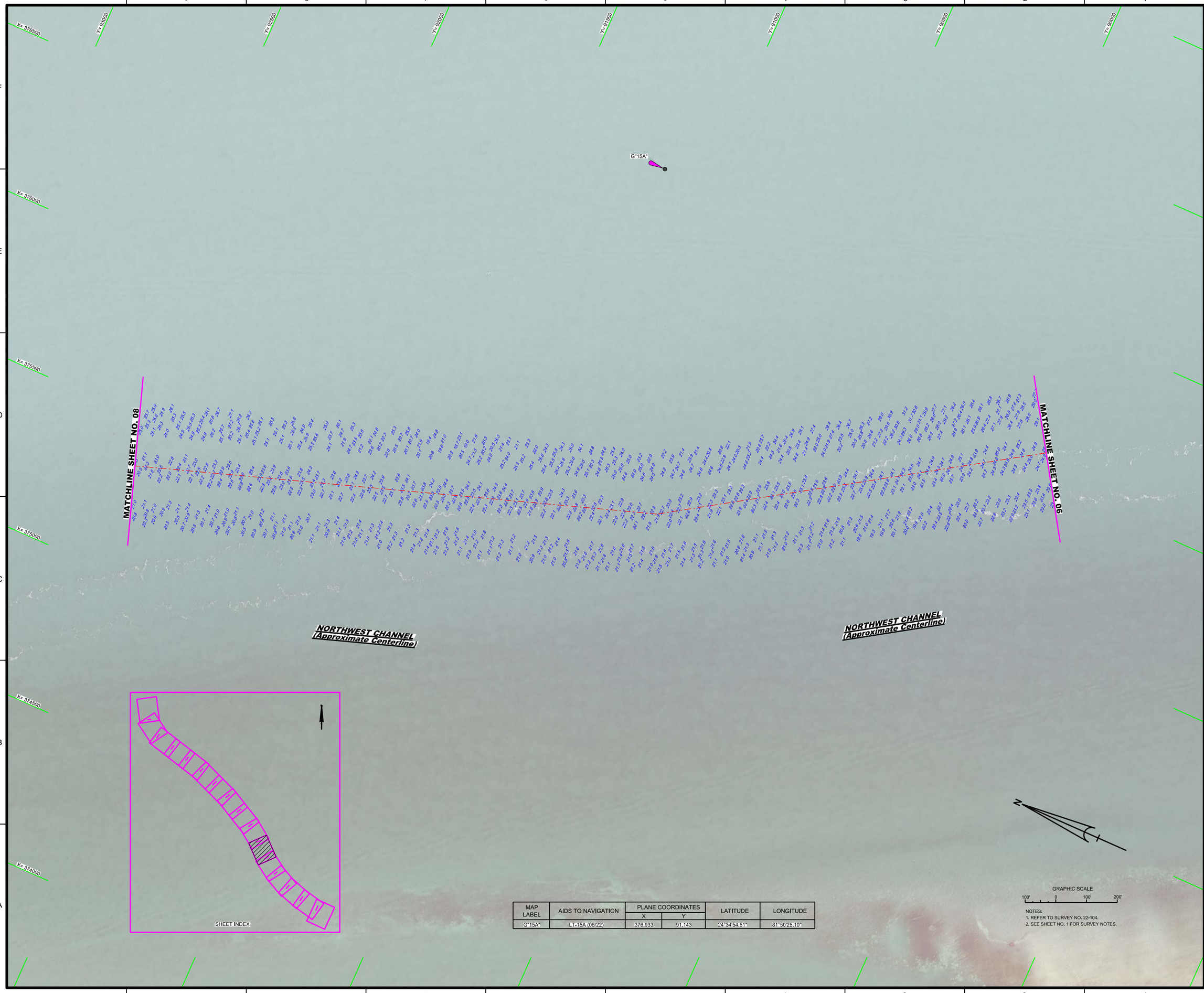
PLAN

Scale: AS SHOWN

Drawing no.

6

SHEET 06 OF 17



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"15A"	LT-15A (08/22)	376,933	91,143	24°34'54.51"	81°50'25.10"

NOTES:
1. REFER TO SURVEY NO. 22-104.
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. V0123EP-XX-X-XXXX
Date: AUG 2022

Reference files:
C:\XXXXXXXX-X-XXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-X-XXXXXX.DGN
22-104-A-SOUNDING.DGN
22-104-U-SOUN_NWC.DGN
KWH_CHV8.DGN
22-104-C-ES-BRDR_NWC.DGN
Reference files:
22-104-VH-007_NWC.DGN
File name:

KEY WEST HARBOR, FLORIDA
NORTHWEST CHANNEL

PROJECT CONDITION SURVEY FY22
17-FOOT PROJECT

NORTHWEST CHANNEL

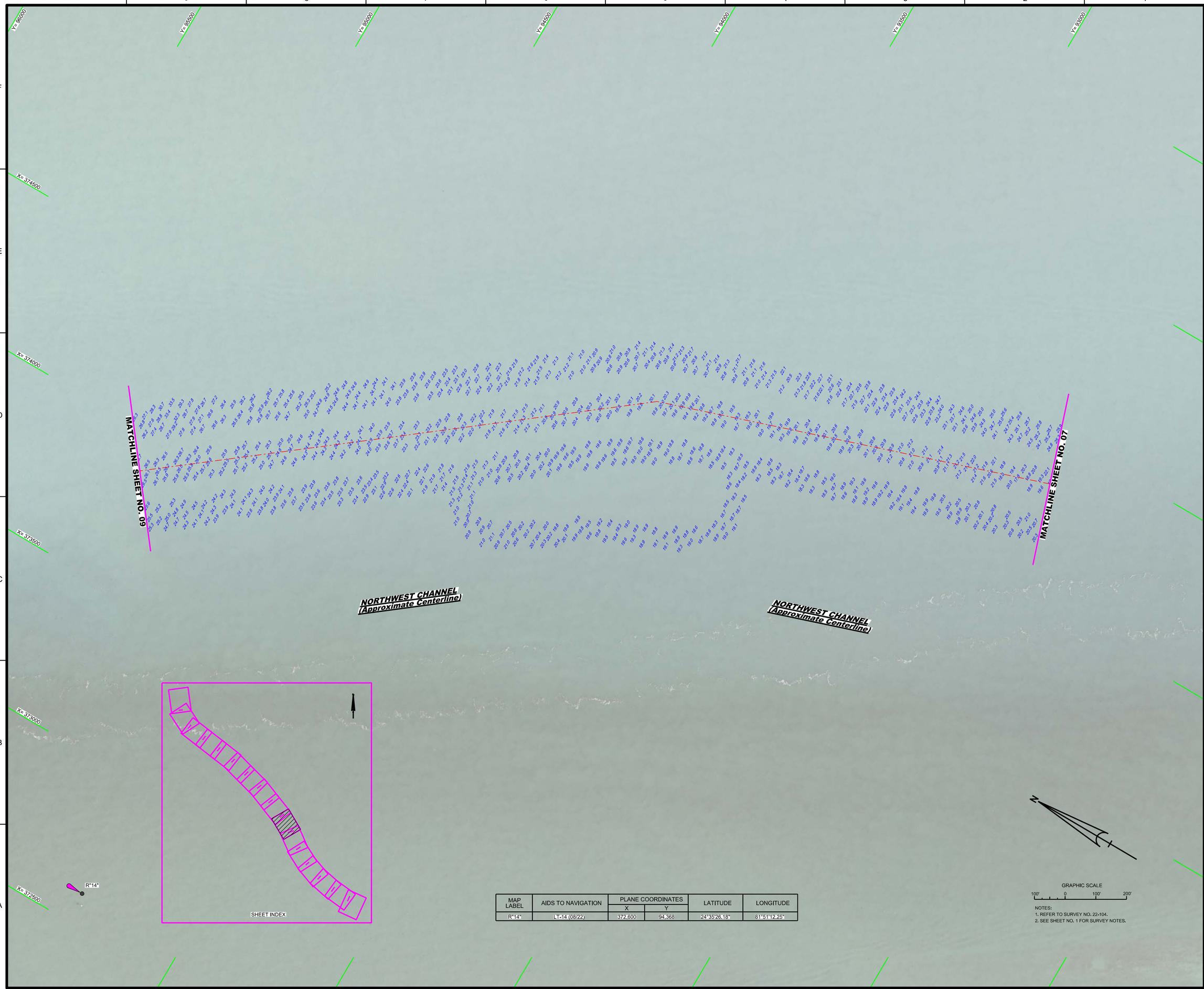
PLAN

Scale: AS SHOWN

Drawing no.

7

SHEET 07 OF 17



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"14"	LT-14 (08/22)	372,600	94,368	24°35'26.18"	-81°51'12.25"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 22-104.
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. V912EP-XX-XX-XXXX
Date: AUG 2022

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
22-104-A-XXXX.DGN
22-104-A-SOUN_NWC.DGN
KWH_CHVB.DGN
22-104-C-BR-BRDR_NWC.DGN
Reference files
22-104-HHD08_NWC.DGN
File name:

KEY WEST HARBOR, FLORIDA
NORTHWEST CHANNEL

PROJECT CONDITION SURVEY FY22
17-FOOT PROJECT

NORTHWEST CHANNEL

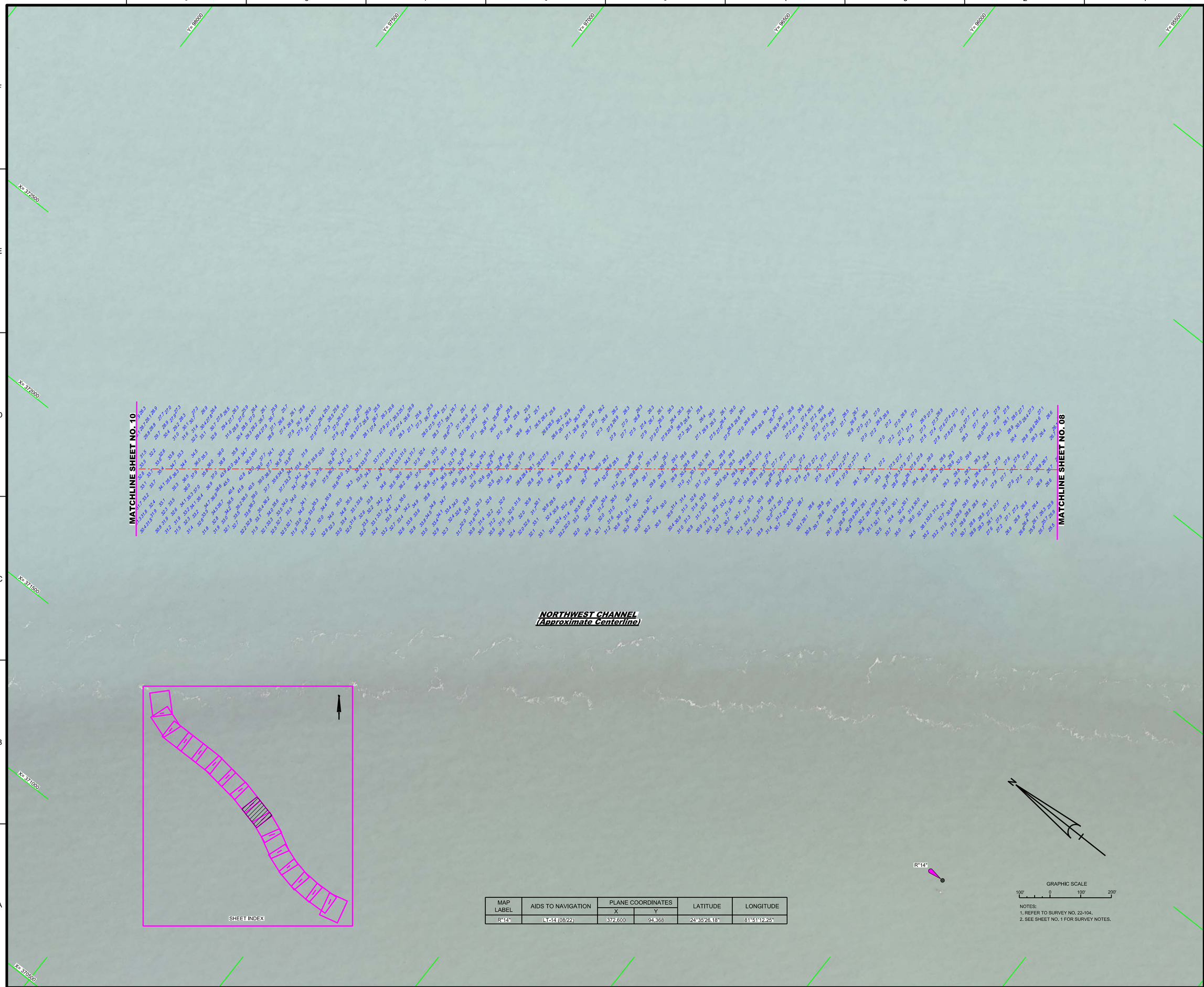
PLAN

Scale: AS SHOWN

Drawing no.

8

SHEET 08 OF 17



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"14"	LT-14 (08/22)	372,600	94,368	24°35'26.18"	81°51'12.25"

NOTES:
1. REFER TO SURVEY NO. 22-104.
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
Prj. No. V91/2EP-XX-X-XXXX
Date: AUG 2022

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
22-104-A-SOUN_NWC.DGN
XWH_CHV8.DGN
22-104-CABS-BRDR_NWC.DGN
Reference files:
22-104-VH-099_NWC.DGN
File name:

KEY WEST HARBOR, FLORIDA
NORTHWEST CHANNEL

PROJECT CONDITION SURVEY FY22
17-FOOT PROJECT

NORTHWEST CHANNEL

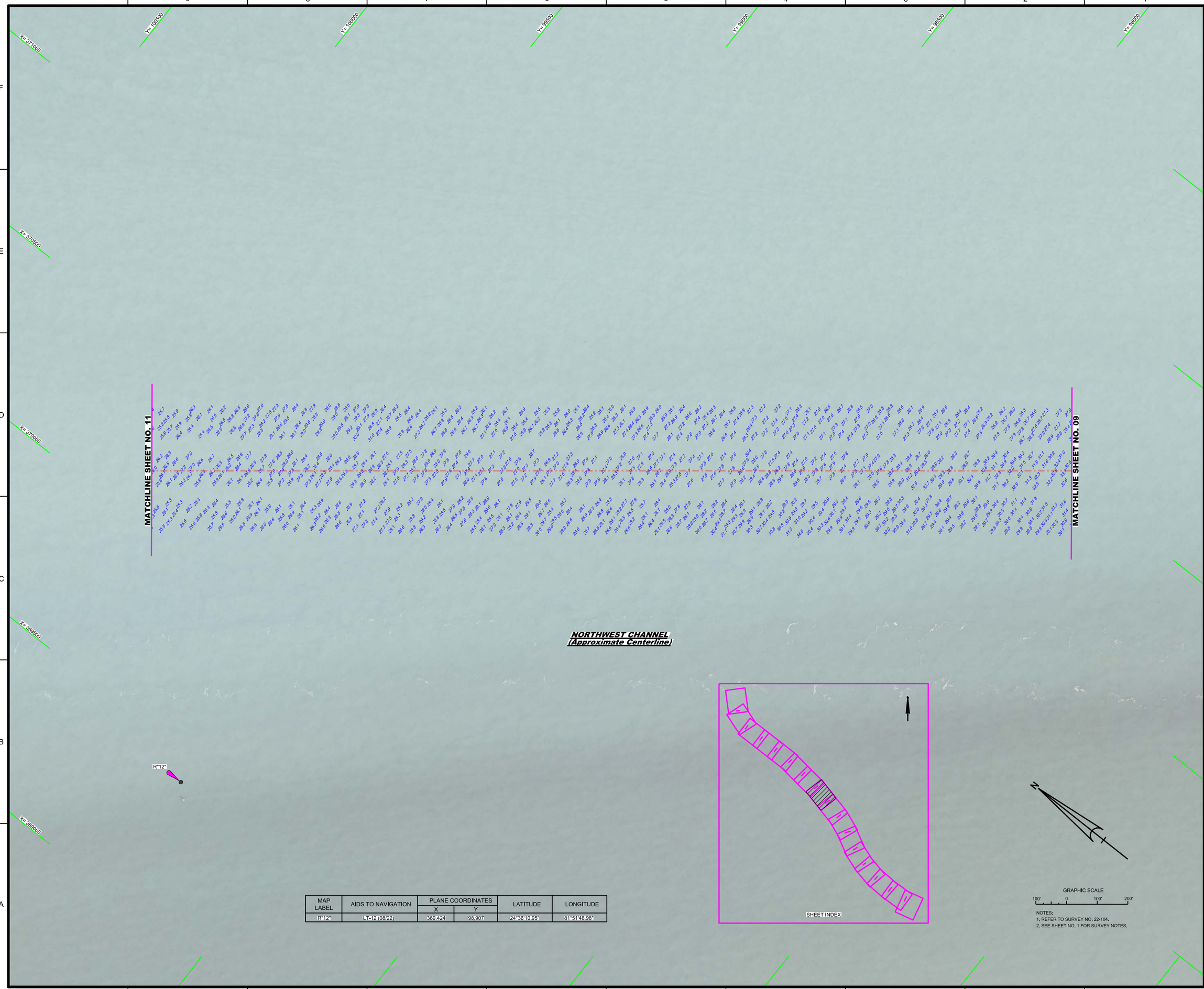
PLAN

Scale: AS SHOWN

Drawing no.

9

SHEET 09 OF 17X



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"12"	LT-12 (08/22)	369,424	98,907	24°36'10.95"	81°51'46.98"

NOTES:
1. REFER TO SURVEY NO. 22-104.
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: GB
Proj. No. W912EP-XX-X-XXXX
Date: AUG 2022

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
22-104-A-SOUN_NWC.DGN
KWH_CHV8.DGN
22-104-C-BS-BRDR_NWC.DGN
Reference files
22-104-VHD10_NWC.DGN
File name:

KEY WEST HARBOR, FLORIDA
NORTHWEST CHANNEL

PROJECT CONDITION SURVEY FY22
17-FOOT PROJECT

NORTHWEST CHANNEL

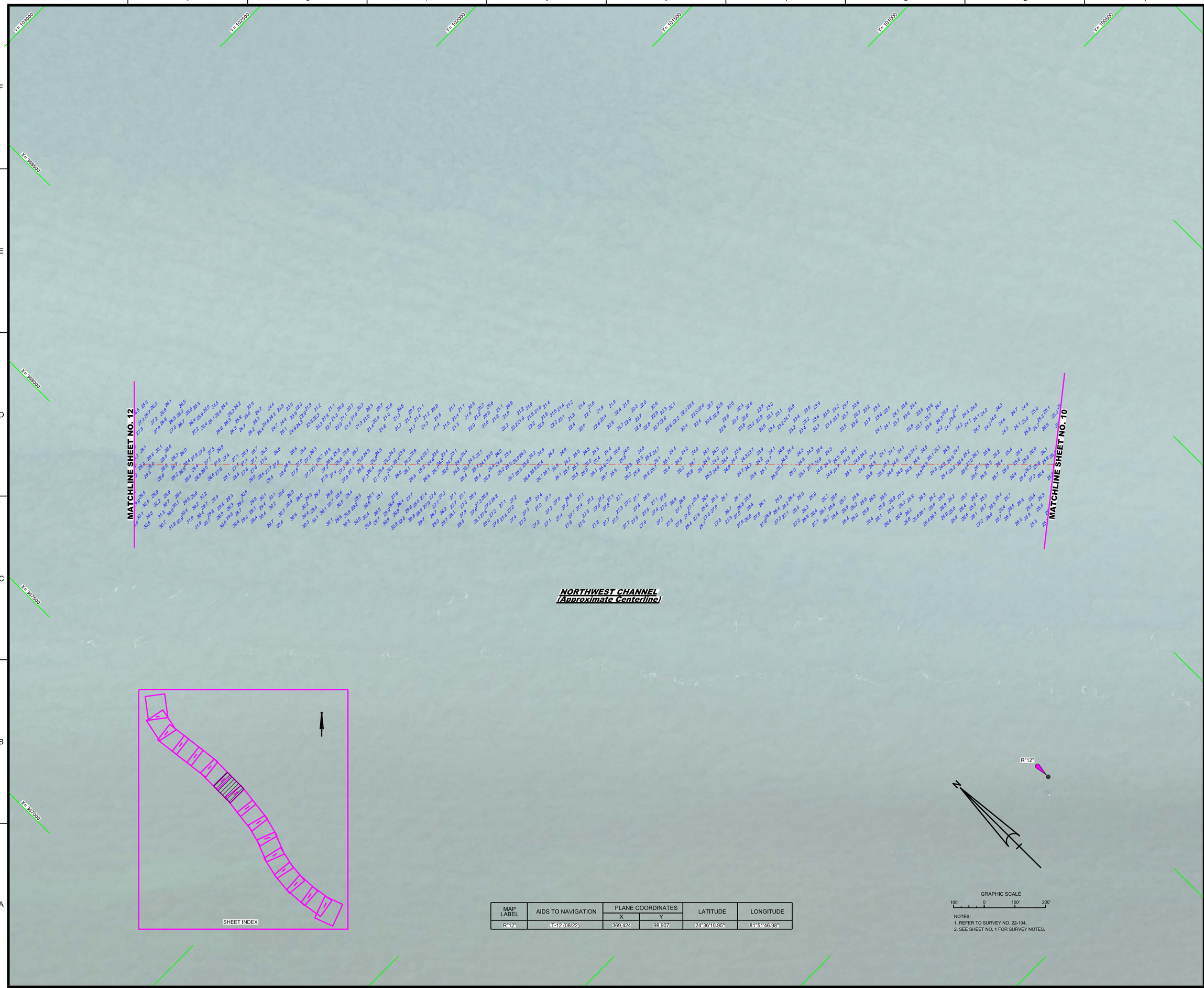
PLAN

Scale: AS SHOWN

Drawing no.

10

SHEET 10 OF 17



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"12"	LT-12 (08/22)	369,424	98,907	24°36'10.95"	81°51'46.98"

NOTES:
1. REFER TO SURVEY NO. 22-104.
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-X-XXXX
Date: AUG 2022

XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXX.DGN
22-104-XX-XXXX.DGN
22-104A-SIGN_NWC.DGN
KWI_CHV8.DGN
22-104-BS-BRDR_NWC.DGN
Reference files
22-104-H011_NWC.DGN
File name:

KEY WEST HARBOR, FLORIDA
NORTHWEST CHANNEL

PROJECT CONDITION SURVEY FY22
17-FOOT PROJECT

NORTHWEST CHANNEL

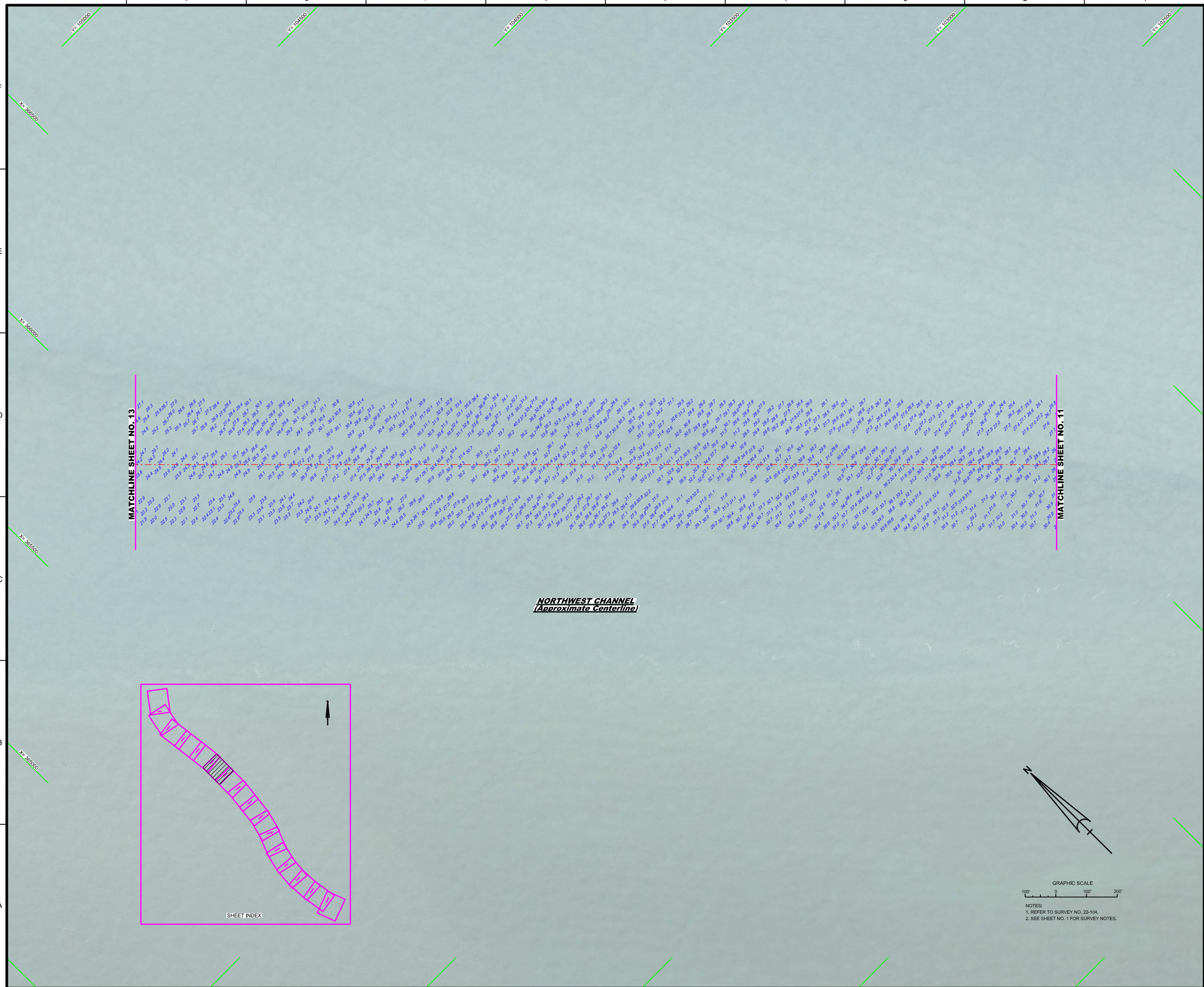
PLAN

Scale: AS SHOWN

Drawing no.

11

SHEET 11 OF 17



NOTES:
1. REFER TO SURVEY NO. 22-104.
2. SEE SHEET NO. 1 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

SAFETY ON THIS JOB DEPENDS ON YOU

No.	Symbol	Zone

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

Designed by: MRM
Drawn by: MRM
Chk'd by: CR
Proj. No. V912EP-XX-XX-XXXX
Date: AUG 2022

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
22-104-A-SDQA_NWC.DGN
KWH_CHVB.DGN
22-104-C-BP-BRDR_NWC.DGN
Reference files
22-104-HH-012_NWC.DGN
File name:

KEY WEST HARBOR, FLORIDA
NORTHWEST CHANNEL

PROJECT CONDITION SURVEY FY22
17-FOOT PROJECT

NORTHWEST CHANNEL

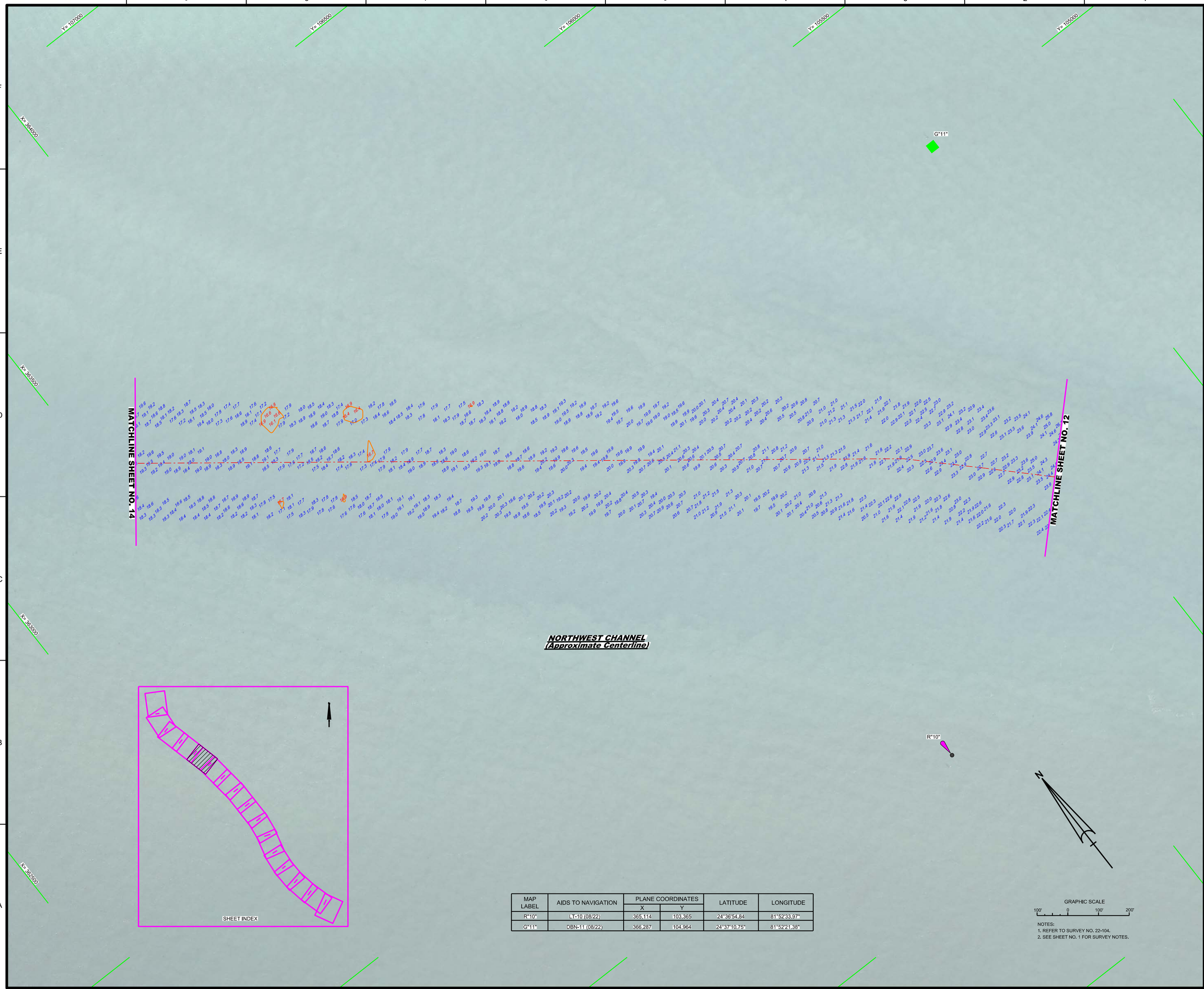
PLAN

Scale: AS SHOWN

Drawing no.

12

SHEET 12 OF 17



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"10"	LT-10 (08/22)	365,114	103,365	24°36'54.84"	81°52'33.97"
G"11"	DBN-11 (08/22)	366,287	104,964	24°37'10.75"	81°52'21.38"

NOTES:
1. REFER TO SURVEY NO. 22-104.
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. V912EP-XX-XX-XXXX
Date: AUG 2022

X:\XXXXXXXX-XXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
22-104A-CONT17.DGN
22-104A-ALL-DGN
22-104-LA-SDUN_NWC.DGN
KWH_CHVB.DGN
22-104-C-BR-BRDR_NWC.DGN
Reference files
22-104-HH13_NWC.DGN
File name:

KEY WEST HARBOR, FLORIDA
NORTHWEST CHANNEL

PROJECT CONDITION SURVEY FY22
17-FOOT PROJECT

NORTHWEST CHANNEL

PLAN

Scale: AS SHOWN

Drawing no.

13

SHEET 13 OF 17

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"9"	CAN BUOY-9 (08/22)	362,982	107,044	24°37'31.15"	81°52'57.33"

NOTES:
1. REFER TO SURVEY NO. 22-104.
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: GR
Rev. No. V912EP-XX-X-XXXX
Date: AUG 2022

Reference files:
XXXXXXXXX-XXXXXXX.DGN
XXXXXXXXX-XXXXXXX.DGN
XXXXXXXXX-XXXXXXX.DGN
22-104-V-CONT.DGN
22-104-V-ALL.DGN
22-104-V-SOUN_NWC.DGN
KWH_CHVS.DGN
22-104-C-BS-BRDR_NWC.DGN
File name: 22-104-VH-014_NWC.DGN

KEY WEST HARBOR, FLORIDA
NORTHWEST CHANNEL

PROJECT CONDITION SURVEY FY22
17-FOOT PROJECT

NORTHWEST CHANNEL

PLAN

Scale: AS SHOWN

Drawing no.

14

SHEET 14 OF 17

MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"8"	DBN-8 (08/22)	359,861	108,022	24°37'40.64"	81°53'31.22"

NOTES:
1. REFER TO SURVEY NO. 22-104.
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. W912EP-XX-X-XXXX
Date: AUG 2022

Reference files:
I:\XXXXXXXX-X-XXXX\XXXXXXXX-XXXXXXXX-XXXXXXXX.DGN
I:\XXXXXXXX-X-XXXX\XXXXXXXX-XXXXXXXX-XXXXXXXX.DGN
I:\XXXXXXXX-X-XXXX\XXXXXXXX-XXXXXXXX-XXXXXXXX.DGN
22-104-A-SOUN_NWC.DGN
22-104-U-SOUN_NWC.DGN
KWH_CRVS.DGN
22-104-C-BS-BRDR_NWC.DGN

File name: 22-104-VH-015_NWC.DGN

KEY WEST HARBOR, FLORIDA
NORTHWEST CHANNEL

PROJECT CONDITION SURVEY FY22
17-FOOT PROJECT

NORTHWEST CHANNEL

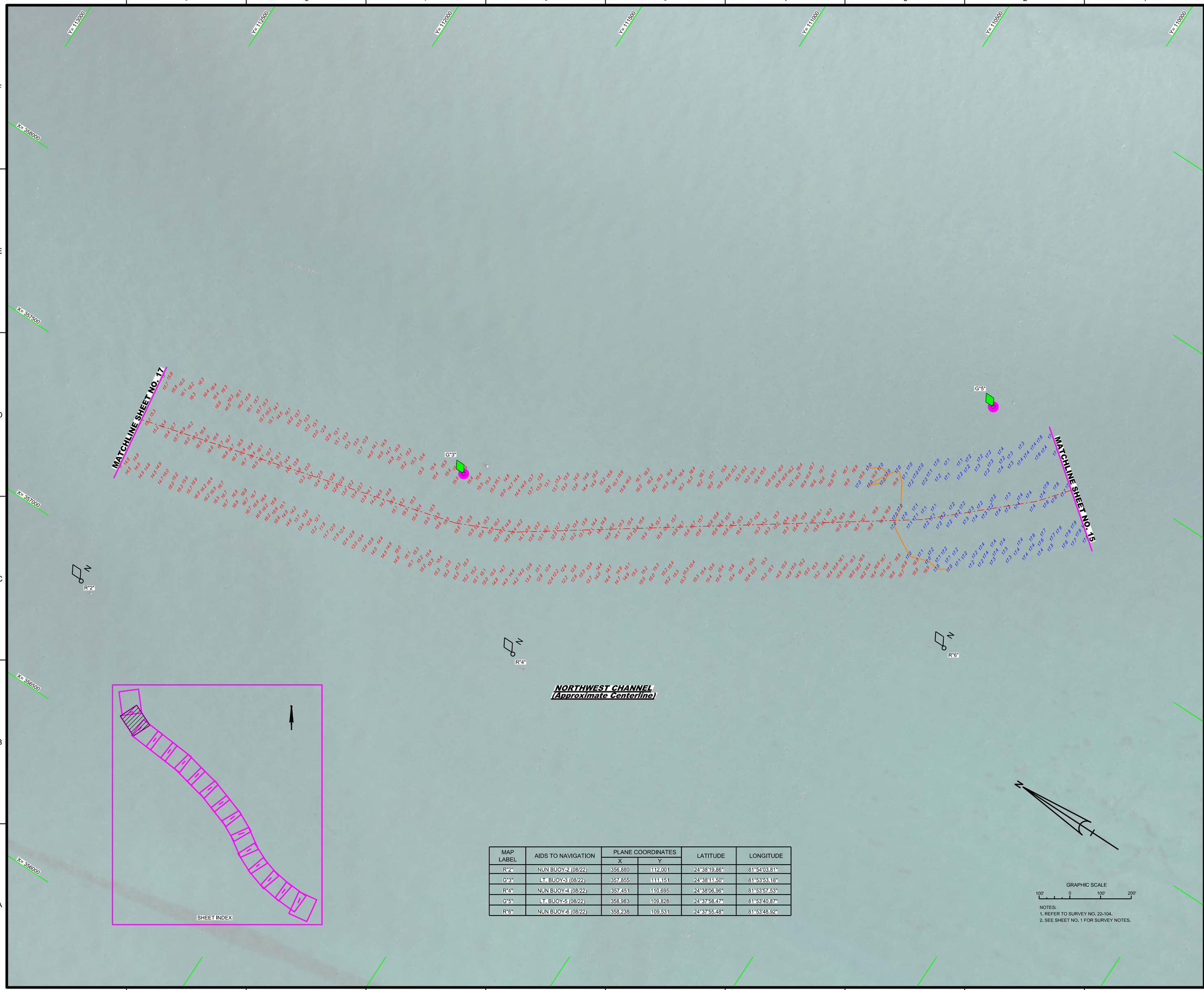
PLAN

Scale: AS SHOWN

Drawing no.

15

SHEET 15 OF 17



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"2"	NUN BUOY-2 (08/22)	356,880	112,001	24°38'19.86"	81°54'03.81"
G"3"	LT. BUOY-3 (08/22)	357,855	111,151	24°38'11.50"	81°53'53.18"
R"4"	NUN BUOY-4 (08/22)	357,451	110,695	24°38'06.96"	81°53'57.53"
G"5"	LT. BUOY-5 (08/22)	358,983	109,828	24°37'58.47"	81°53'40.87"
R"6"	NUN BUOY-6 (08/22)	358,238	109,531	24°37'55.48"	81°53'48.92"

NOTES:
1. REFER TO SURVEY NO. 22-104.
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. V912EP-XX-XX-XXXX
Date: AUG 2022

XXXXXXXXX-XX-XXXXXX.DGN
XXXXXXXXX-XX-XXXXXX.DGN
22-104-A-CONT17.DGN
22-104-A-SOUN.DGN
22-104-A-SOUN_NWC.DGN
KWH_CHV8.DGN
22-104-C-BR-DR_NWC.DGN
Reference files

22-104-HH-016_NWC.DGN
File name:

KEY WEST HARBOR, FLORIDA
NORTHWEST CHANNEL

PROJECT CONDITION SURVEY FY22
17-FOOT PROJECT

NORTHWEST CHANNEL

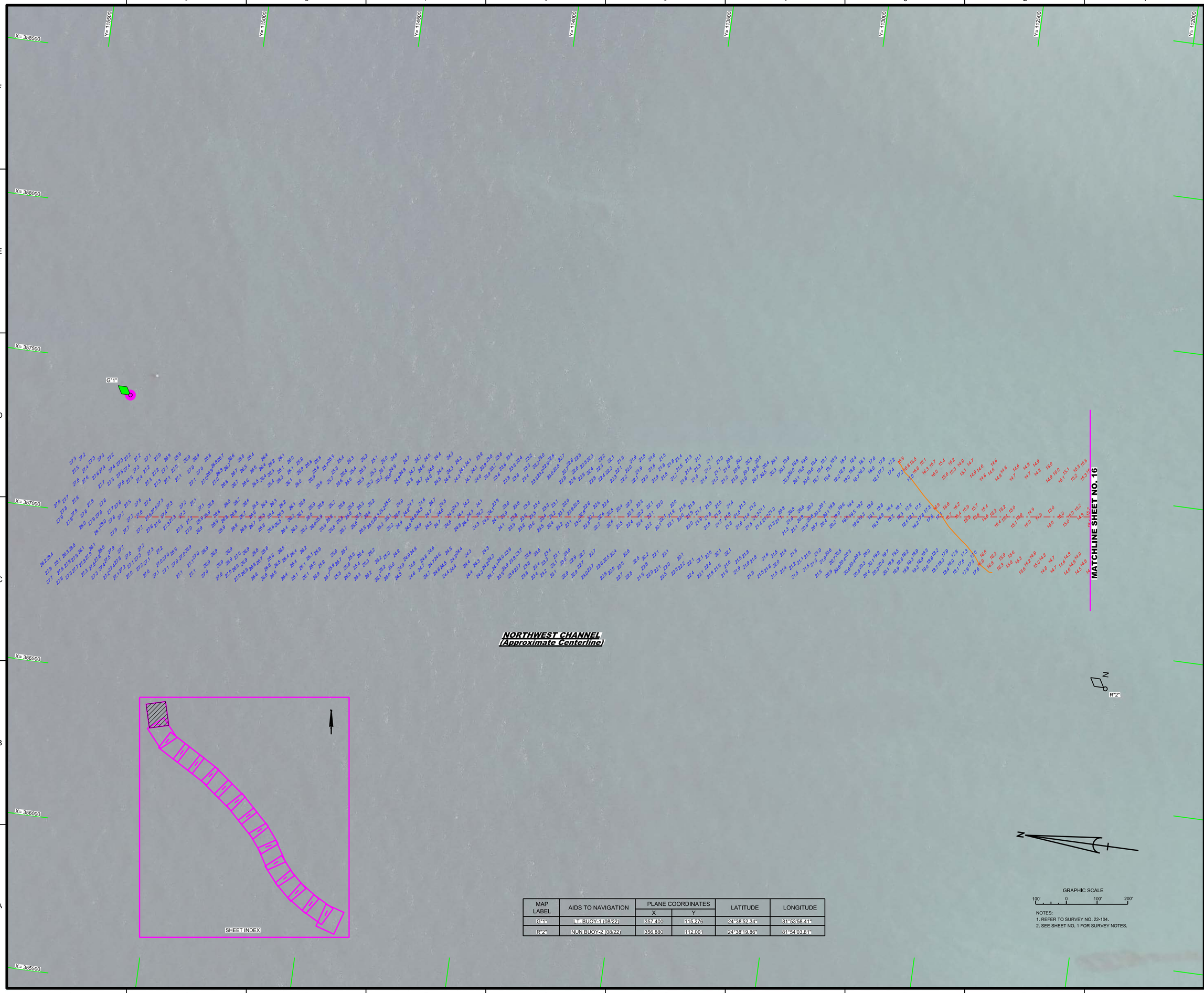
PLAN

Scale: AS SHOWN

Drawing no.

16

SHEET 16 OF 17



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
G"1"	LT. BUOY-1 (08/22)	357,400	115,276	24°38'52.34"	81°53'58.41"
R"2"	NUN BUOY-2 (08/22)	356,880	112,001	24°38'19.86"	81°54'03.81"

NOTES:
1. REFER TO SURVEY NO. 22-104.
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. V91/2ESP-XX-X-XXXX
Date: AUG 2022

XXXXXXXX-X-XXXXXX.DGN
XXXXXXXX-XXXXXXX.DGN
22-104-X-CON17.DGN
22-104-X-SOUN.DGN
22-104-X-SOUN_NWC.DGN
XWH_CHV8.DGN
22-104-CABS-BRDR_NWC.DGN
Reference files:
22-104-YH-017_NWC.DGN
File name:

KEY WEST HARBOR, FLORIDA
NORTHWEST CHANNEL

PROJECT CONDITION SURVEY FY22
17-FOOT PROJECT

NORTHWEST CHANNEL

PLAN

Scale: AS SHOWN

Drawing no.

17

SHEET 17 OF 17