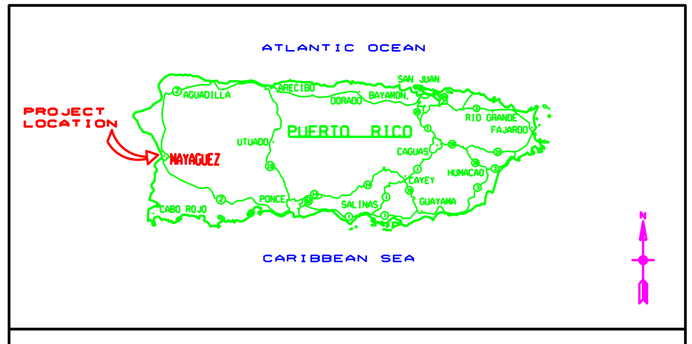


LOCATION MAP

MAYAGUEZ HARBOR
MAYAGUEZ, PUERTO RICO
PROJECT CONDITION SURVEY FY23
30-FOOT PROJECT

SURVEY NOTES

1. REFER TO SURVEY NO. 23-120.
2. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER (MLLW) TIDAL DATUM WHICH IS 0.66 FEET BELOW PRVD02.
3. TIDAL REDUCTIONS WERE MADE UTILIZING A REAL-TIME KINEMATIC (RTK) GPS AND CALIBRATED TO THE PUBLISHED MLLW OF THE BENCHMARK ASSOCIATED WITH THE TIDE GAGE SITE SPECIFIED BELOW:

   NOAA TIDAL STATION 975-9394 WAS USED FOR ENTIRE PROJECT.
4. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGN.
5. PLANE COORDINATES ARE BASED ON THE LAMBERT CONFORMAL CONIC PROJECTION FOR PR & VI, NORTH ZONE AND REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD83).
6. ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
7. THIS SURVEY WAS PREFORMED USING REAL-TIME KINEMATIC (RTK) GPS POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATION:

   REFERENCE BASE LOCATED AT "975 9394 A TIDAL" (OPUS PID: DK7451)
8. VERTICAL MEASUREMENTS WERE MADE USING A TELEDYNE ODOM ECHO-TRAC E20 DUAL-FREQUENCY SINGLE-BEAM TRANSDUCER OPERATING AT 28/200 KHZ AND A PING MULTI-BEAM TRANSDUCER OPERATING AT 450 KHZ. ALL SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.

VESSEL	DATE OF SURVEY	CUT
SB-34	19 MAR 2023	REACH 1 AND 2

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: WRM
Drawn by: WRM
Cad by: GMR
No. No. W912EP-XX-X-XXXX
Date: MAR 2023

XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
XXXXXXXXXXXXXXXXXX.DGN
MAYAGUEZ HARBOR-C-NGMCCF.DGN
23-120-CASE-BRDR.DGN
Reference files:
23-120-VH-001.DGN
File name:

MAYAGUEZ HARBOR
MAYAGUEZ, PUERTO RICO

PROJECT CONDITION SURVEY FY23
30-FOOT PROJECT

INDEX, LOCATION AND VICINITY

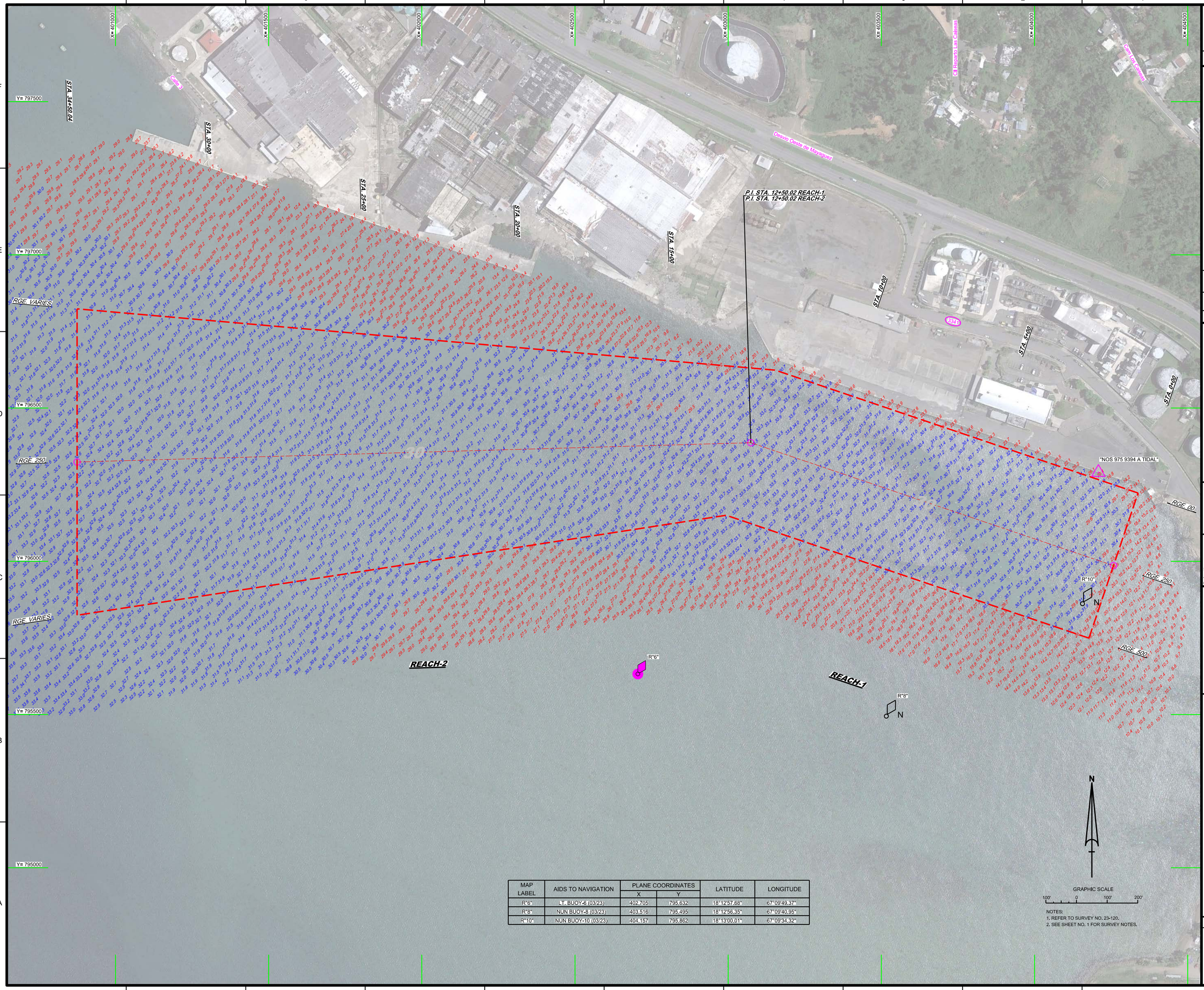
MAP

Scale: AS SHOWN

Drawing no.

1

SHEET 01 OF 02



MAP LABEL	AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
		X	Y		
R"6"	LT. BUOY-6 (03/23)	402,705	795,632	18°12'57.68"	67°09'49.37"
R"8"	NUN BUOY-8 (03/23)	403,516	795,495	18°12'56.35"	67°09'40.95"
R"10"	NUN BUOY-10 (03/23)	404,157	795,862	18°13'00.01"	67°09'34.32"

GRAPHIC SCALE

100' 0 100' 200'

NOTES:
1. REFER TO SURVEY NO. 23-120.
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
Fm./No. V93T2EP-XX-XX-XXX
Date: MAR 2023

23-120-MAN.DGN
23-120-A-SOUN_ALLCUTS.DGN
MAYAGUEZ HARBOR-C-NGMCEF.DGN
23-120-C-BS-BRDR.DGN
Reference files
23-120-VHK02.DGN
File name

MAYAGUEZ HARBOR
MAYAGUEZ, PUERTO RICO

PROJECT CONDITION SURVEY FY23
30-FOOT PROJECT

STA. 0+00 REACH-1 THRU STA. 34+50 REACH-2

PLAN

Scale: AS SHOWN

Drawing no.

2

SHEET 02 OF 02