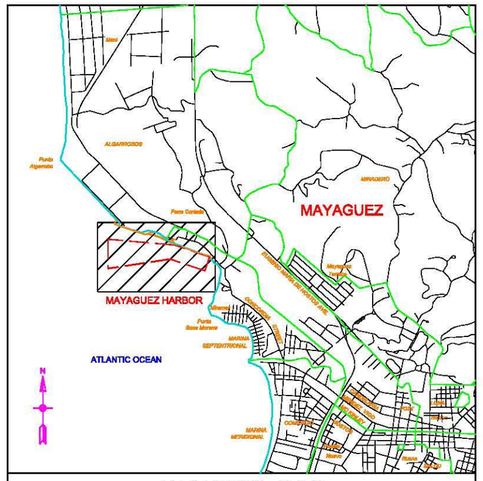
SAFTEY ON THIS JOB DEPENDS ON YOU

MAYAGUEZ HARBOR
MAYAGUEZ, PUERTO RICO
EXAMINATION SURVEY
FY12



VICINITY MAP
NOT TO SCALE

LOCATION MAP

SURVEY NOTES:

1. REFER TO SURVEY NO. 12-015.
2. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER (MLLW) TIDAL DATUM WHICH IS 0.50 FEET BELOW PRVD02.
3. ALL ELEVATIONS ARE BELOW THE CHART DATUM UNLESS PRECEDED BY A (+) SIGN.
4. TIDAL REDUCTIONS WERE MADE USING RTK GPS AND CALIBRATED TO THE PUBLISHED MLLW HEIGHT OF THE BENCH MARKS ASSOCIATED WITH THE TIDE GAGE SITE SPECIFED BELOW:

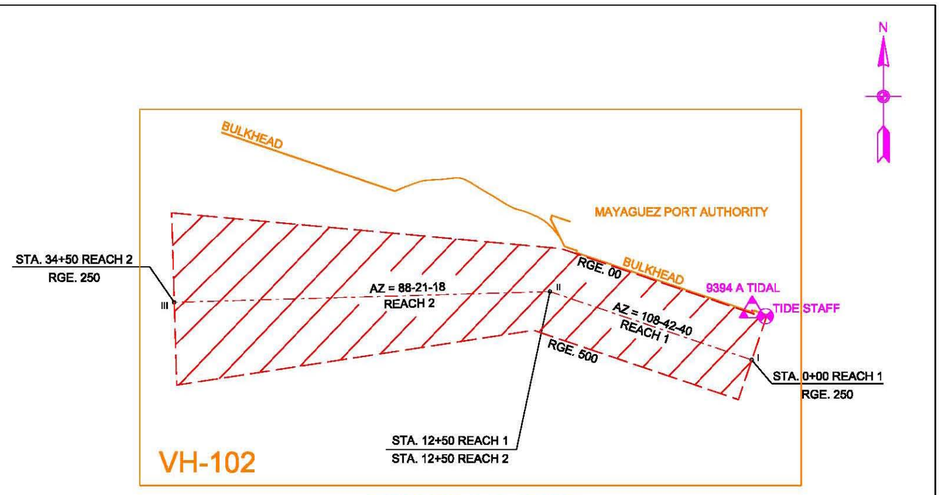
   NOAA TIDAL STATION "975-9394" FOR ENTIRE PROJECT.
5. PLANE COORDINATES ARE BASED ON THE LAMBERT CONIC PROJECTION FOR PUERTO RICO AND THE U.S. VIRGIN ISLANDS, NORTH ZONE, AND REFERENCED TO NORTH AMERICAN DATUM OF 1983 (NAD83).
6. ALL AZIMUTHS ARE GRID; RECKONED CLOCKWISE FROM SOUTH.
7. ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
8. THIS SURVEY WAS PERFORMED USING REAL-TIME KINEMATIC (RTK) GPS POSITIONING WITH THE FOLLOWING REFERENCE BASE LOCATION:

   REFERENCE BASE LOCATED AT "975-9394 A TIDAL" (OPUS PID# DK7451)

   VERTICAL MEASUREMENTS WERE MADE USING A ROSS MODEL 835 SMART SOUNDER WITH DUAL-FREQUENCY TRANSDUCER. SOUNDINGS SHOWN ARE IN HIGH-FREQUENCY (200KHZ).

VESSEL	DATE OF SURVEY	CUT
SB-38	8 JAN 2012	REACH-1 & REACH-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 AND IS NOT TO BE USED FOR NAVIGATION.
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, 1 JAN 02.



SHEET LAYOUT

SURVEY LIMITS
NOT TO SCALE

Relationship between PRVD02 and Mean Lower Low Water

LEGEND	
BM	BENCHMARK
	LIGHTED BEACON
	GREEN DAYBEACON
	RED DAYBEACON
	RED LIGHTED BUOY
	GREEN LIGHTED BUOY
	CAN BUOY
	NUN BUOY
	TIDE STAFF

CENTERLINE CONTROL POINT	PLANE COORDINATES (NAD83/86 FT) X	Y	STATION	RANGE	REACH
I	404,257.78	795,986.05	0+00	250	1
II	403,073.83	796,387.05	12+50	250	1
			12+50	250	2
III	400,874.71	796,323.89	34+50	250	2

US Army Corps of Engineers
Jacksonville District

No.	SYM	ZONE	DESCRIPTION

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

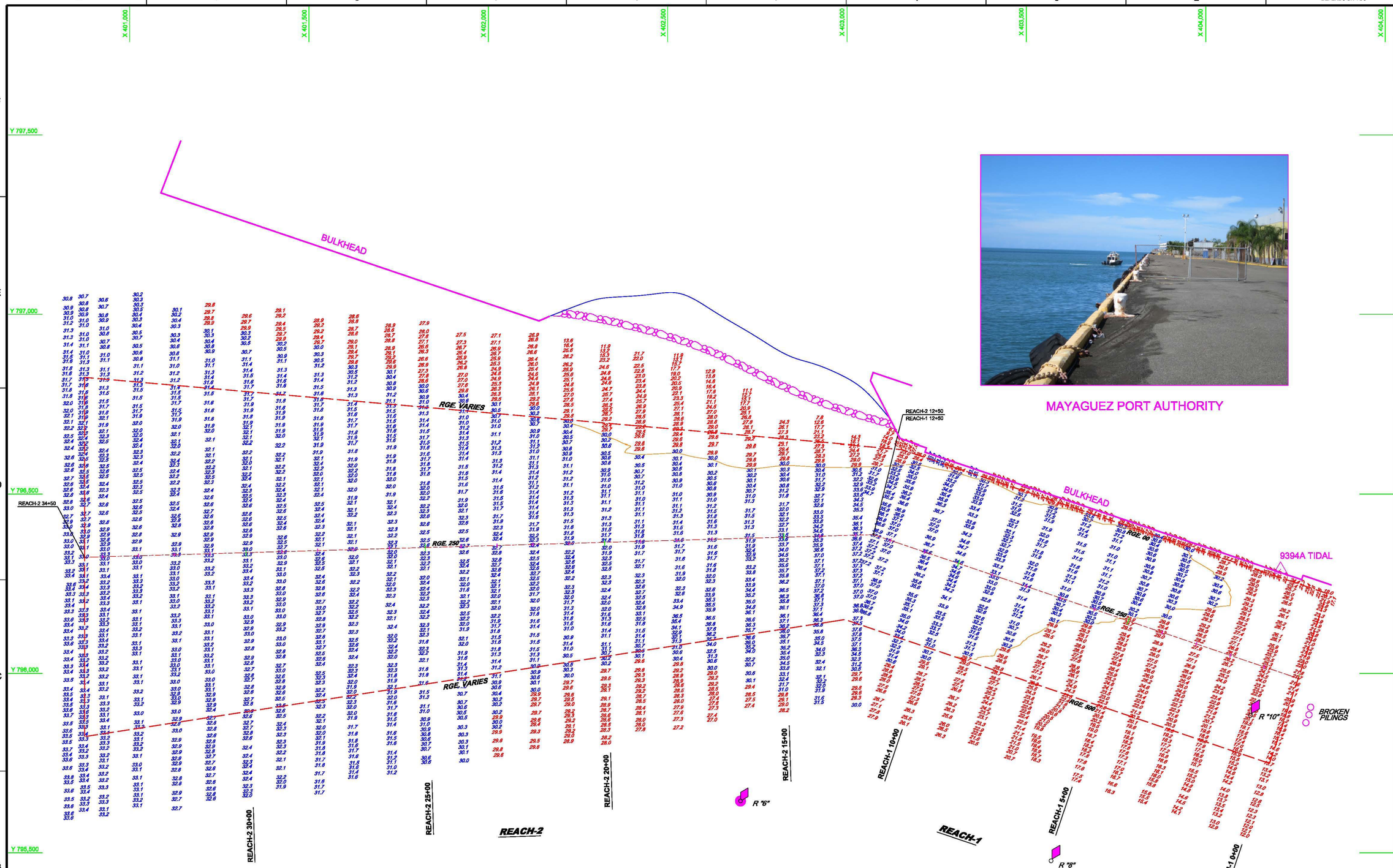
DESIGNED BY: | DATE: JAN 2012
DWN BY: F.M.W. | CKD BY: | SOLICITATION NO.:
SUBMITTED BY: | CONTRACT NO.:
PLOT SCALE: AS SHOWN | PLOT DATE: | FILE NUMBER:
FILE NAME: 12-015-H-SH01.DGN

MAYAGUEZ HARBOR, PUERTO RICO
EXAMINATION SURVEY FY12
30-FOOT PROJECT
REACH 1 AND REACH 2
PLAN

DRAWING NO.
1 / 2

SAFTEY ON THIS JOB DEPENDS ON YOU

MAYAGUEZ PORT AUTHORITY



AIDS TO NAVIGATION	PLANE COORDINATES	
	X	Y
LT. BUOY-6 (5/08)	402,702	795,644
LT. BUOY-8 (5/08)	403,568	795,477
BUOY-10 (1/12)	404,124	795,883

N

GRAPHIC SCALE

100' 0 100' 200'

SCALE: 1"=100'

NOTES:
1. REFER TO SURVEY NO. 12-015.
2. SEE SHEET NO. 101 FOR SURVEY NOTES.

US Army Corps of Engineers
Jacksonville District

No.	SYM	ZONE	DESCRIPTION

DESIGNED BY: | DATE: JAN 2012
DWN BY: F.M.W. | CKD BY: | SOLICITATION NO.:
SUBMITTED BY: | CONTRACT NO.:
PLOT SCALE: | PLOT DATE: | FILE NUMBER:
FILE NAME: 12-015-H-102.DGN

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

MAYAGUEZ HARBOR, PUERTO RICO

EXAMINATION SURVEY FY12
30-FOOT PROJECT

REACH 1 AND REACH 2

PLAN

DRAWING NO.

2 / 2