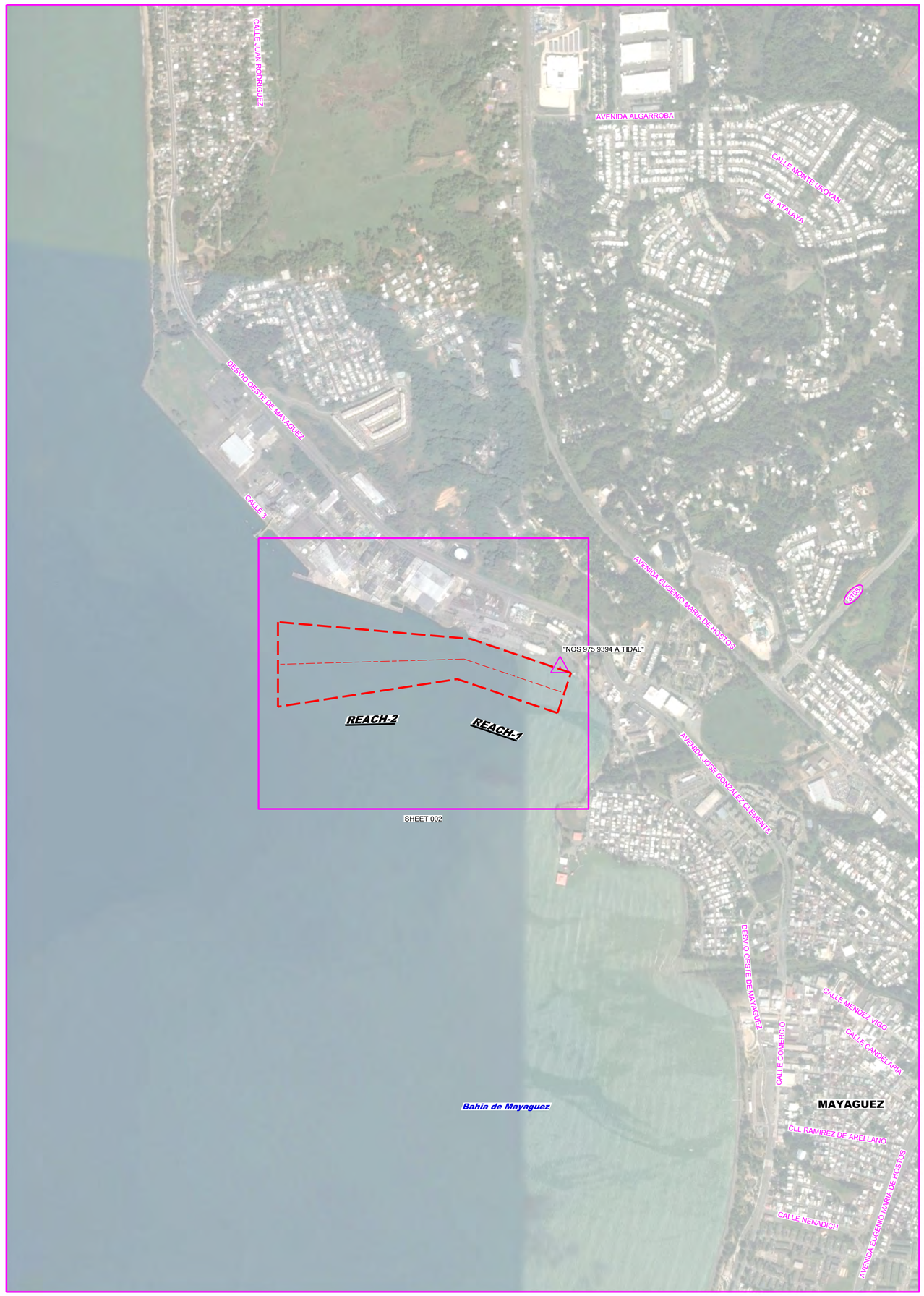
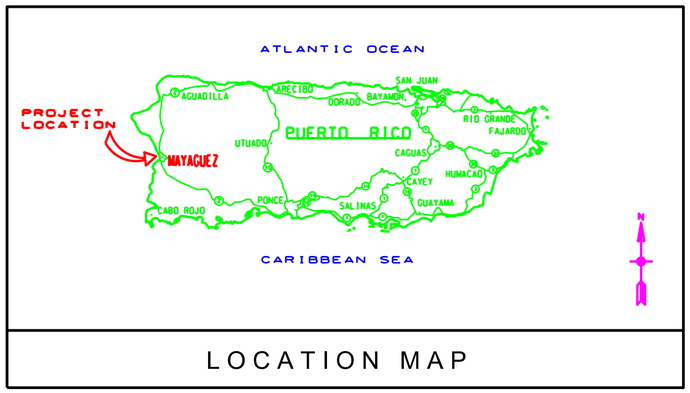




LOCATION MAP

MAYAGUEZ HARBOR
MAYAGUEZ, PUERTO RICO
HYDROGRAPHIC EXAM SURVEY FY15
30-FOOT PROJECT

SURVEY NOTES

1. REFER TO SURVEY NO. 15-005.
2. SOUNDINGS ARE IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER (MLLW) TIDAL DATUM WHICH IS 0.51 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 AZIMUTHS ARE GRID; RECKONED CLOCKWISE FROM SOUTH.
7. ALL STATIONING REFERS TO THE CENTERLINE OF THE CHANNEL.
8. 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)
9. VERTICAL MEASUREMENTS WERE MADE USING A ROSS MODEL 835C SMART SOUNDER WITH A DUAL-FREQUENCY TRANSDUCER OPERATING AT 28/200 KHZ. ALL SOUNDINGS SHOWN ARE IN HIGH FREQUENCY.

VESSEL	DATE OF SURVEY	CUT
SB-38	27 OCT 2014	REACH 1 AND 2

10. AIDS TO NAVIGATION WERE LOCATED DURING THIS SURVEY.
11. 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.
12. 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 13.

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
Proj No.: W912EP-XXA-XXXX
Date: OCTOBER 2014

Reference files:
XXXXXXXX-XXXXXXXX.DGN
XXXXXXXX-XXXXXXXX.DGN
XXXXXXXX-XXXXXXXX.DGN
XXXXXXXX-XXXXXXXX.DGN
XXXXXXXX-XXXXXXXX.DGN
XXXXXXXX-XXXXXXXX.DGN
MAYAGUEZ HARBOR-C-NGMDCF.DGN
15-005-CHS-BRDR.DGN
15-005-VHH001.DGN

File name:

MAYAGUEZ HARBOR
MAYAGUEZ, PUERTO RICO

HYDROGRAPHIC EXAMINATION SURVEY FY15
30-FOOT PROJECT

INDEX, LOCATION AND VICINITY

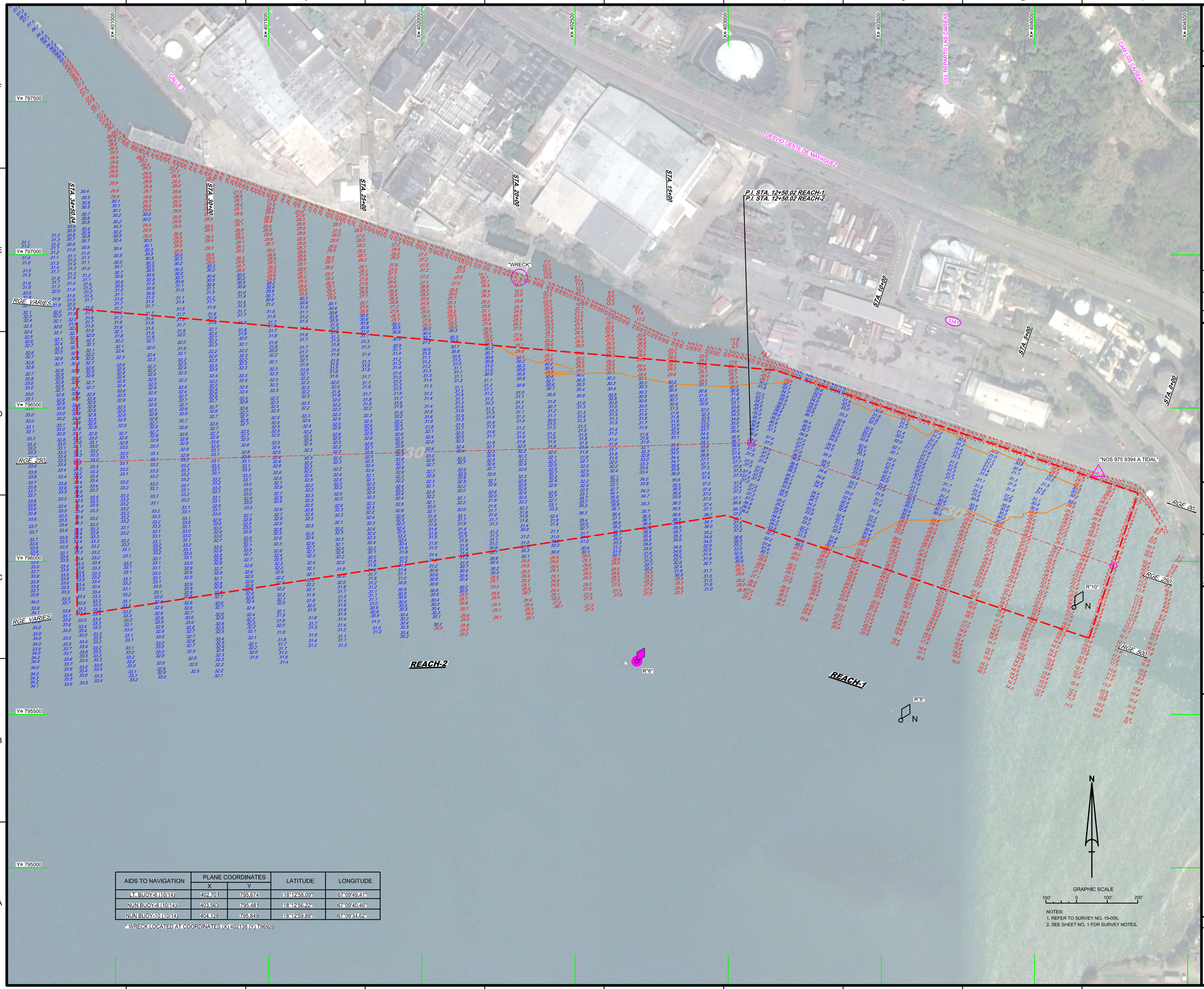
MAP

Scale: AS SHOWN

Drawing no.

1

SHEET 01 OF 02



AIDS TO NAVIGATION	PLANE COORDINATES		LATITUDE	LONGITUDE
	X	Y		
LT. BUOY-6 (10/14)	402,701	795,674	18°12'58.09"	67°09'49.41"
NUN BUOY-8 (10/14)	403,563	795,481	18°12'56.22"	67°09'40.46"
NUN BUOY-10 (10/14)	404,128	795,849	18°12'59.89"	67°09'34.62"

* WRECK LOCATED AT COORDINATES (X) 402138 (Y) 796926

NOTES:
1. REFER TO SURVEY NO. 15-005.
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: GR
Inv. No. W912EP-XX-X-XXXX
Dated: OCTOBER 2014

Reference files:
XXXXXXXX-X-XXXXXX.DGN
15-005-V-NAV.DGN
15-005-V-CON30.DGN
15-005-V-SOUN_BH.DGN
15-005-V-SOUN_REACH-1.DGN
15-005-V-SOUN_REACH-2.DGN
MAYAGUEZ HARBOR-C-NGMCCF.DGN
15-005-C-BS-BRDR.DGN
File name: 15-005-VH-002.DGN

MAYAGUEZ HARBOR
MAYAGUEZ, PUERTO RICO

HYDROGRAPHIC EXAMINATION SURVEY FY15
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