SURVEY NOTES

1. REFER TO SURVEY NO. 19-085.

2. TIDE REDUCTIONS WERE OBTAINED UTILIZING REAL-TIME KINEMATIC (RTK) GPS AND REFERENCED TO MLLW USING AN ORTHOMETRIC HEIGHT CORRECTION = 6.57' = ELEVATION AT THE STATION (5.76' NAVD88 ELEV. + 0.81' ORTHOMETRIC HEIGHT CORRECTION) TO VERIFY RTK TIDES PRIOR TO SURVEYING.

3. DEPTHS DEPICTED BY THIS SURVEY ARE REFERENCED TO MLLW, TIDAL REFERENCE BASE LOCATED AT "975-7809 A TIDAL" (PID: DO1528), LOCATED AT THE SW CORNER OF THE SEAWALL, DEPRESSED 0.81' BELOW NAVD88 (ELEVATION AT THE STATION (5.76' NAVD88 ELEV. + 0.81' ORTHOMETRIC HEIGHT CORRECTION)) OF 0.81'. A MEASURE DOWN POINT FROM SURVEY MONUMENT "975 7809 B TIDAL" (PID: DO1529), LOCATED AT THE SW CORNER OF THE SEAWALL, DEPRESSED 0.81' BELOW NAVD88 (ELEVATION AT THE STATION (5.76' NAVD88 ELEV. + 0.81' ORTHOMETRIC HEIGHT CORRECTION)) OF 0.81'.

4. NOAA TIDAL STATION 975-7809 B TIDAL FOR REACH 1 AND 2 (PID: DO1528) MARK ASSOCIATED WITH THE TIDE GAUGE SITE SPECIFIED BELOW:

5. THE NGS FIRST-ORDER ELEVATION AT "872 7809 B TIDAL" AND THE KTD FILE "ARECIBO-20180607.KTD" WAS USED TO CALCULATE THE ALIEN ELEVATION AT THE STATION (5.76' NAVD88 ELEV. + 0.81' ORTHOMETRIC HEIGHT CORRECTION) TO VERIFY RTK TIDES PRIOR TO SURVEYING.

6. 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.

7. ALTERNATE HEIGHTS REFER TO THE CENTERLINE OF THE CHANNEL.

8. DEPTHS DEPICTED BY THIS SURVEY ARE REFERENCED TO MLLW, TIDAL REFERENCE BASE LOCATED AT "975-7809 A TIDAL" (PID: DO1528), LOCATED AT THE SW CORNER OF THE SEAWALL, DEPRESSED 0.81' BELOW NAVD88 (ELEVATION AT THE STATION (5.76' NAVD88 ELEV. + 0.81' ORTHOMETRIC HEIGHT CORRECTION)) OF 0.81'. A MEASURE DOWN POINT FROM SURVEY MONUMENT "975 7809 B TIDAL" (PID: DO1529), LOCATED AT THE SW CORNER OF THE SEAWALL, DEPRESSED 0.81' BELOW NAVD88 (ELEVATION AT THE STATION (5.76' NAVD88 ELEV. + 0.81' ORTHOMETRIC HEIGHT CORRECTION)) OF 0.81'.

9. ADVISORY WERE LOCATED DURING THIS SURVEY.

10. SURVEYING, 30 NOV 2013. SURVEY IN ACCORDANCE WITH USACE EM 1110-2-1003, HYDROGRAPHIC QUALITY ASSURANCE REQUIREMENTS WERE FOLLOWED DURING THIS SURVEY. ACCURACY PERFORMANCE STANDARDS, QUALITY CONTROL, AND THE TIME OF THE 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 SURVEY MANAGEMENT REQUIREMENTS APPLY TO DISTRIBUTING THE INFORMATION DEPICTED. SURVEY DATA FOR THIS SURVEY IS CONNECTED TO THE NORTH AMERICAN DATUM OF 1983 (NAD83).

13. SURVEY ACCURACY PERFORMANCE STANDARDS, QUALITY CONTROL, AND SURVEY MANAGEMENT REQUIREMENTS APPLY TO DISTRIBUTING THE INFORMATION DEPICTED. SURVEY DATA FOR THIS SURVEY IS CONNECTED TO THE NORTH AMERICAN DATUM OF 1983 (NAD83).

14. SURVEY ACCURACY PERFORMANCE STANDARDS, QUALITY CONTROL, AND SURVEY MANAGEMENT REQUIREMENTS APPLY TO DISTRIBUTING THE INFORMATION DEPICTED. SURVEY DATA FOR THIS SURVEY IS CONNECTED TO THE NORTH AMERICAN DATUM OF 1983 (NAD83).

15. SURVEY ACCURACY PERFORMANCE STANDARDS, QUALITY CONTROL, AND SURVEY MANAGEMENT REQUIREMENTS APPLY TO DISTRIBUTING THE INFORMATION DEPICTED. SURVEY DATA FOR THIS SURVEY IS CONNECTED TO THE NORTH AMERICAN DATUM OF 1983 (NAD83).