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**MILITARY RELOCATION TO GUAM AND CNMI
 PROGRAMMATIC AGREEMENT (PA) MEMO #1**

Project: Water Phase 2 (Water Well Development Studies)	Date: 12 February 2016
Project Location: Andersen Air Force Base	Prepared By: NAVFAC Pacific

PROJECT SUMMARY:

The purpose of this project is to provide reliable average daily potable water supply of 1.2 million gallons per day (mgd) in addition to existing water supply sources to support the increase of personnel, facilities, and operations associated with the relocation of United States Marine Corps (USMC) to Guam. This project proposes to conduct topographical surveys and exploratory well drilling to support project design efforts for water well development at Andersen Air Force Base (Figure 1). The effort may also require munitions of explosive concern (MEC) removal.

This project was identified after preparation of the Final Environmental Impact Study (FEIS) for the military relocation to Guam and the Commonwealth of the Northern Mariana Islands (CNMI) and Appendix E under various projects of the 2011 Programmatic Agreement (PA). In accordance with Stipulation I.E. of the PA, it is a new project associated with the Guam and CNMI Military Relocation (the Undertaking). This memo presents information to allow the Public and Interested Parties to provide comments on the identification and evaluation of historic properties in the proposed project area.

Project works will include vegetation clearance for the purpose of accessing specific study locations, placing geotechnical borings (via auger) and mechanized excavation to facilitate sample collection, and placement of survey markers (wooden stake hubs and/or rebar) for topographic support. Geotechnical boring work for water well test boreholes entails drilling 25.4 centimeter (10-inch) to 30.5 centimeter (12-inch) diameter boreholes. Geotechnical work for finishing water production wells entails widening test boreholes to 45.7 centimeter (18-inch) to 55.9 centimeter (22-inch) diameter production boreholes. The water well test borehole and production borehole depths vary, generally range from 140 meters (460 feet) to 180 meters (590 feet). Samples of subsurface materials are collected from borings for laboratory analysis. Boreholes determined to be non-productive will be abandoned in accordance with Guam EPA requirements. Boring locations were determined by project planners to offer the best project feasibility while avoiding historic properties. Future construction related to the development of wells will include utilities trenching, access roads, and associated structures.

1 This PA Memo is required by Stipulation IV.E.2.a. of the PA as a means for interested members of the public to provide comments on the identification and evaluation of historic properties. Stipulation IV.E.1.b. of the PA requires the DoD to take into account comments received within 45 days of the date of the delivery of this PA memo to the SHPO and public notification via the CRI website.

PROJECT LOCATION:

The proposed well field site at Andersen Air Force Base (AAFB) is located near Potts Junction and Route 9 on the west side of the Munitions Storage Area (MSA) as shown in Figure 1. This project was previously identified in Appendix E of the PA. The identified Area of Potential Effect (APE) in the map incorporates a 15.24 meters (50 foot) buffer zone. The actual impacted area will be less than what is depicted on the map. The buffer zone is included in planning to allow the contractors to avoid environmentally sensitive areas including historic properties as well as threatened and endangered plant species.

AAFB covers 6,275 ha (15,500 acres) and occupies a mostly flat, uplifted limestone plateau in the northern portion of the island of Guam. The Main Operations area in the eastern third of the base includes the main active airfield and an array of operations, maintenance and community support facilities, most of which are located along the South Ramp. The North Ramp area includes operations of the Navy's HSC-25, munitions storage in the former Strategic Air Command storage area, and parking apron space for contingency operations. The central third of the base is a Munitions Storage Area (MSA). The western third is Northwest Field, a WWII-era airfield that is currently used for fixed-wing aircraft, helicopter training, and various field exercises and bivouacs.

The total APE for P-103 is 31.1 hectares (76.9 acres).

IDENTIFICATION OF HISTORIC PROPERTIES:**Scope of DoD Identification Efforts**

In planning for the Undertaking, the Department of Defense (DoD) has conducted extensive archaeological and architectural surveys and evaluations, and, in consultation with the Guam SHPO, Advisory Council on Historic Preservation (ACHP), National Park Service (NPS) and some Concurring Parties, we have applied the results to the siting/lay down of individual projects to avoid and minimize effects to historic properties. The DoD has provided documentation of these efforts to the Signatories and Invited Signatories via Appendices D and E of the PA.

The entirety of the P-103 project area was included in one or more of the following studies of cultural and/or historic resources conducted prior to, or in support of the Environmental Impact Statement (EIS) by the DoD beginning in 2004.

Church, M., J. Hokanson, J. Gallison, and M. Jennings

2009 Cultural Resources Survey of 297 Acres at Andersen Air Force Base, Guam. Prepared for AAFB, Guam. June.

Dixon, B. and S. Walker

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2011 Cultural Resource Investigations Conducted in the Territory of Guam Supporting the Joint Guam Build-Up Environmental Impact Statement: Final Archaeological Surveys on Guam 2009 at Proposed Utility Sites, Harmon Property, and AAFB. Prepared by for Naval Facilities Engineering Command, Pacific Division. Prepared by Cardno TEC, Inc., Honolulu, HI.

Dixon, B., S. Walker, and R. Schaefer

2011b Final Report Cultural Resource Investigations Conducted in the Territory of Guam Supporting the Joint Guam Build-Up Environmental Impact Statement: Final Archaeological Surveys on Guam 2010 on AAFB, Prepared by the Naval Facilities Engineering Command, Pacific Division. Prepared by Cardno TEC, Inc., Honolulu, HI.

Dixon, B., T. Rudolph, A. Jalandoni, I. Nelson, M. Hroncich-Conner, S. Leary, R. Schaefer, E. Lash, M. Todd

2014a Draft Proposed Guam and CNMI Military Relocation 2012 Roadmap Adjustments SEIS Live-Fire Training Range Complex Footprint and Main Cantonment Alternatives and Access Route Options In-Fill Cultural Resource Studies. Prepared for the Naval Facilities Engineering Command, Pacific Division. Prepared by Cardno TEC, Inc., Honolulu, HI. 1 March.

Dixon B.

2015 Andersen Air Force Base, Guam National Historic Preservation Act Section 110 Cultural Resources Identification and Evaluation Studies, 2015. Prepared for the Naval Facilities Engineering Command, Pacific Division. Prepared by Cardno TEC, Inc., Honolulu, HI. Forthcoming.

Yee et al 2004 Yee, S., D. Welch, and J. Allen

2004 Archaeological Overview Survey Report for Andersen Air Force Base, Guam. Prepared for 36 CES/CEVN, AAFB, Guam and Earth Tech, Inc., Honolulu, HI. Prepared by International Archaeological Research Institute, Inc. Honolulu, HI.

Results of these studies indicate that no known Historic Properties exist in the APE.

DETERMINATION OF EFFECT:

Based on the previous Archaeological surveys for this APE, the DoD has determined that there are no known Historic Properties within the APE.

AVOIDANCE AND MITIGATION PLAN:

No historic properties are present within APE for Project P-103. However, should an inadvertent discovery be made, as per Stipulation VI.F. of the PA, DoD will retain a full-time Archaeologist

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throughout the life of the construction program of this Undertaking to provide site checks, oversee coordination and execution of the archaeological mitigation measures in the PA and to provide quality control. This person shall support the CJRM in responding to and reporting of any inadvertent discoveries to the Signatories, Invited Signatories, and Concurring Parties per Stipulation XII of the PA.

4 | This PA Memo is required by Stipulation IV.E.2.a. of the PA as a means for interested members of the public to provide comments on the identification and evaluation of historic properties. Stipulation IV.E.1.b. of the PA requires the DoD to take into account comments received within 45 days of the date of the delivery of this PA memo to the SHPO and public notification via the CRI website.