



Naval Facilities Engineering Command, Pacific
258 Makalapa Drive
Suite 100
Pearl Harbor, HI 96860-3134

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

Project: P-290 Design and Construction of Earth Covered Magazines and Ordnance Pads	Date: January 15, 2019 Comment Period Open Until: March 3, 2019
Project Location: Andersen Air Force Base, Guam	Prepared By: NAVFAC Pacific

PROJECT SUMMARY:

This project proposes to construct twelve earth covered magazines and two ordnance pads. The project is identified in Appendix E of the *Programmatic Agreement among the Department of Defense, the Advisory Council on Historic Preservation, the Guam State Historic Preservation Officer, and the Commonwealth of the Northern Mariana Islands State Historic Preservation Officer Regarding the Military Relocation to the Islands of Guam and Tinian* (2011 PA). This Programmatic Agreement Memorandum (PA Memo) includes both design and construction phases of the project. Pursuant to Stipulation V.B., this PA Memo presents information to allow the public to provide comments on the DoD's identification and evaluation of historic properties within the project's Area of Potential Effect (APE), as well as the DoD's determination of effect.

The P-290 earth covered magazines construction is in fulfillment of support facilities and infrastructure requirements identified for reduction of explosives safety risks from military munitions. Andersen Air Force Base is located within the village of Yigo. The earth covered magazines will be constructed of reinforced concrete capable of storing a specified quantity of munitions, two partially covered ordnance pads with lightning protection, grounding system, and electrical service to function as an ammunition work and overhaul shop. The two ordnance pads will be concrete slabs-on-grade, partially covered with a roof overhang constructed of reinforced concrete roof slabs supported by reinforced concrete beams, columns and foundations.

Project design works may include vegetation clearance, topographic and geotechnical work, temporary sediment and erosion controls, earthwork for earth berm construction, sediment removal, and remediation efforts for Unexploded Ordnance (UXO)/Munitions and Explosives of Concern (MEC). Project construction works include clearing and grubbing, sediment and erosion control measures, paving, road resurfacing, installation of security fencing and gates, concrete work, construction of concrete aprons, and electrical and mechanical utilities.

Infrastructure for electrical utilities includes primary and secondary distribution systems, transformers, and communication ductbanks. Mechanical utilities include foundation wall drains,

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shallow depressions and swales for storm water. The project work will also require soil testing, remediation, and mitigation for UXO and MEC.

PROJECT LOCATION:

The project plans to construct the earth covered magazines on Andersen Air Force Base, located on the Northern Plateau of Guam. Specifically, the project will occur at the Munitions Storage Area 1 (MSA 1) located south of Northwest Field. Figure 1 depicts the APE for this project. The area consists largely of secondary growth native limestone forest species on an undulating terrain. Some of the traditional Chamorro place names in this vicinity are Fafalog and Caigat.

The APE measures 21.4 hectares (53 acres).

IDENTIFICATION OF HISTORIC PROPERTIES:

Identification Efforts

In planning for the Undertaking, the Department of Defense (DoD) first conducted a data gap analysis to determine the need for supplemental identification and evaluation surveys and then conducted those surveys. In consultation with the Guam SHPO, Advisory Council on Historic Preservation (ACHP), National Park Service (NPS) and Concurring Parties to the 2011 Programmatic Agreement (2011 PA), the DoD has applied the results of those identification efforts to the siting/lay down of individual projects to avoid and minimize effects to historic properties to the extent practical. DoD has provided documentation of these efforts to the Signatories and Invited Signatories via Appendices D and E of the 2011 PA.

DoD surveys and evaluations have focused on project-specific APEs, defined consistent with 36 CFR §800.16(d) to include those portions of the island of Guam subject to direct and indirect effects of projects included in the Undertaking.

More specifically, the entirety of the P-290 APE has been subject to one or more of the historic property identification efforts listed in 36 CFR §800.4(b)(1), which may include background research, consultation, oral history interviews, sample field investigation and field survey. As such, results of identification and evaluation efforts in the vicinity of, and including the P-290 APE can be found in the following original studies of cultural and/or historic resources (also, see Figure 2):

2015 Integrated Cultural Resource Management Plan, Andersen Air Force Base, Joint Region Marianas, Prepared by SEARCH and Cardno-TEC through IDIQ Contract N62742-09-D-1960, Delivery Order JQ03, May 2015.

2015 Final Supplemental Environmental Impact Statement: Guam and Commonwealth of the Northern Mariana Islands Military Relocation, Prepared for Joint Guam Program Office, Washington, DC, by Naval Facilities Engineering Command Pacific, Pearl Harbor, Hawai'i

Athens, J.S.

2009 Final Archaeological Surveys and Cultural Resources Studies on Guam and the Commonwealth of the Northern Mariana Islands in Support of the Joint Guam Build-Up

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Environmental Impact Statement Volume I: Guam. Prepared by International Archaeological Research Institute, Inc. Honolulu, Hawai'i.

Davis, R.

1983 *Andersen Air Force Base Central Reconnaissance Survey*. Government of Guam Department of Parks and Recreation. MS on file at Andersen AFB, 36CVS/CVN, Guam.

DeFant, D. and R. Leon Guerrero

2006 *Archaeological Survey of Seven Parcels within the Munitions Storage Area, Andersen Air Force Base, Island of Guam*. Prepared for Department of the Navy, Pacific Division, Naval Facilities Engineering Command, Pearl Harbor, Hawaii.

Dixon, B. and S. Walker

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 Andersen AFB*. Prepared for Naval Facilities Engineering Command, Pacific Division, by TEC Inc.

Hlatky, N., and J. Maxwell

2018 *Draft Archaeological Survey and Subsurface Testing for Proposed Construction of P-290 Earth Covered Magazines and Ordnance Pads, Andersen Air Force Base, Guam*. Prepared for Department of the Navy, Pacific Division, Naval Facilities Engineering Command, Pearl Harbor, Hawaii.

Hokanson, J., D. Kilby, M. Church, and R. McCurdy

2007 (GIS data labeled 2008) *Cultural Resources Survey for a Perimeter Fence and Portions of the Munitions Storage Area, Andersen Air Force Base, Guam*. Engineering-Environmental Management, Inc. Denver. Colorado.

Hunter-Anderson, R.

2003 *Final Report on a Cultural Resource Survey of the Proposed On-Base Water System at Andersen Air Force Base, Guam*. Prepared for MWH Americas, Inc. by Micronesian Archaeological Research Services. 16 July.

Hunter-Anderson, R. and D. Moore

2003 *Cultural Resources Snake Barrier Concept, Andersen Air Force Base, Guam*. Micronesian Archaeological Research Services, Guam. May.

Mason Architects, Inc.

2004 *Historic Building and Associated Landscape/Viewsheds Inventory and Evaluation for Andersen Air Force Base, Guam, 2004 Update*. Prepared for Andersen Air Force Base, Guam, by Mason Architects, Inc., Honolulu.

Mohlman, G.

3 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.

2015 (GIS data labeled 2013) *Final Report Historic Inventory Survey Andersen Air Force Base, Territory of Guam*. Prepared for NAVFAC Marianas by Southeastern Archaeological Research, Inc. March.

Welch, D.

2010 *Final Archaeological Surveys and Cultural Resources Studies Conducted in 2007 on the Island of Guam in Support of the Joint Guam Build-Up Environmental Impact Statement; Volume I: Narrative and Volume II: Site Descriptions*. Prepared for Department of the Navy, Naval Facilities Engineering Command, Pacific, Pearl Harbor, Hawai'i under Contract N62742-06-D-1870, Task Order 10 to TEC, Inc. Joint Venture.

Yee, S.L., D.J. Welch, and J. Allen

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

Results of the above identification efforts indicate that while there are several historic properties in the vicinity of the APE, there are three historic properties that are located within the P-290 APE:

Site T-9-1 (temporary number) is a Latte Period artifact scatter containing ceramics and lithics. The site measures approximately 20 meters (m) (65.6 feet (ft)) long by 15 m (49.2 ft) wide with an irregular shape, oriented roughly northwest/southeast. Although the site is listed in poor condition, it is eligible for listing in the National Register of Historic Places (NRHP) under criterion D.

Site T-9-2 (temporary number) is an artifact scatter with both Latte Period and Second American Administration Territorial components. The site measures approximately 30 m (98.4 ft) long by 10 m wide (32.8 ft). In addition, 1944 and 1946 air photos indicate a farmstead (*lancho*) was located in this area, as evidenced by vegetation present. Although the site exhibits partial disturbance from mechanical equipment (push pile) and is listed in poor condition, it is eligible for listing in the NRHP under criterion D.

Site 66-08-2915 is a Latte period artifact scatter that consists of prehistoric pottery, lithic tools, shell tools, *lusong*, and "midden" soil. The site measures approximately 75 m (246 ft) long by 45 m (147) wide and has been interpreted as a possible temporary habitation site. Site 66-08-2915 has the potential to inform on Latte Period land use of northern Guam's interior limestone plateau and is recommended as eligible for listing in the NRHPs under criterion D.

One historic property, PN-06, is in close proximity to the APE. However, PN-06 will not be affected by the proposed project.

DETERMINATION OF EFFECT:

The DoD has determined that the proposed project will have no adverse effect on the three historic properties (T-9-1, T-9-2, and Site 66-08-2915) based upon the imposing condition that these sites will be avoided during construction. Upon closure of the 45 day comment period for this PA

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Memo, the DoD will provide an opportunity for the Guam SHPO, other parties to the PA, and the public to comment on its plan for resolving this effect in the form of a second PA Memo and additional 45 day comment period.

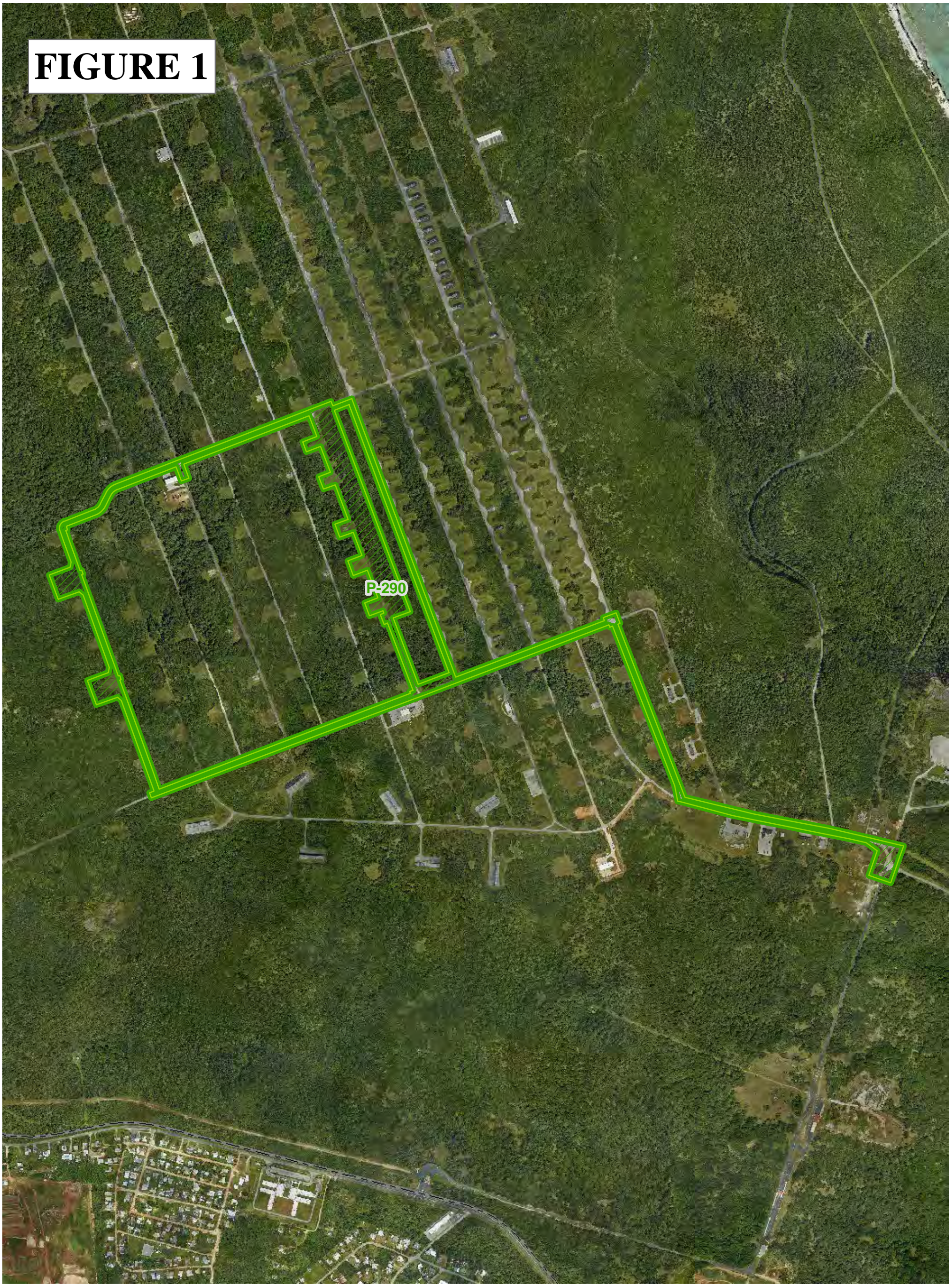
5 This PA Memo is required by Stipulation IV.E.2.a. of the PA as a means for interested members of the public to provide comments on the identification and evaluation of historic properties. Stipulation IV.E.1.b. of the PA requires the DoD to take into account comments received within 45 days of the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

Figure 1. The APE for the P-290 Earth Covered Magazines and Ordnance Pads.

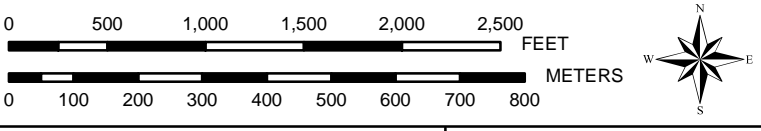
Figure 2. Cultural resource studies conducted within and near the APE for P-290.

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FIGURE 1



P-290 ECMs (Earth Covered Magazines) at Andersen AFB - Construction Area



PREPARED BY:
 Naval Facilities Engineering Command Pacific Division
 Guam Program Management Office
 DATE: 21 Dec 2018



Coordinate System: UTM Zone 55 North
 Projection: Transverse Mercator
 Datum: D WGS 1984

Legend

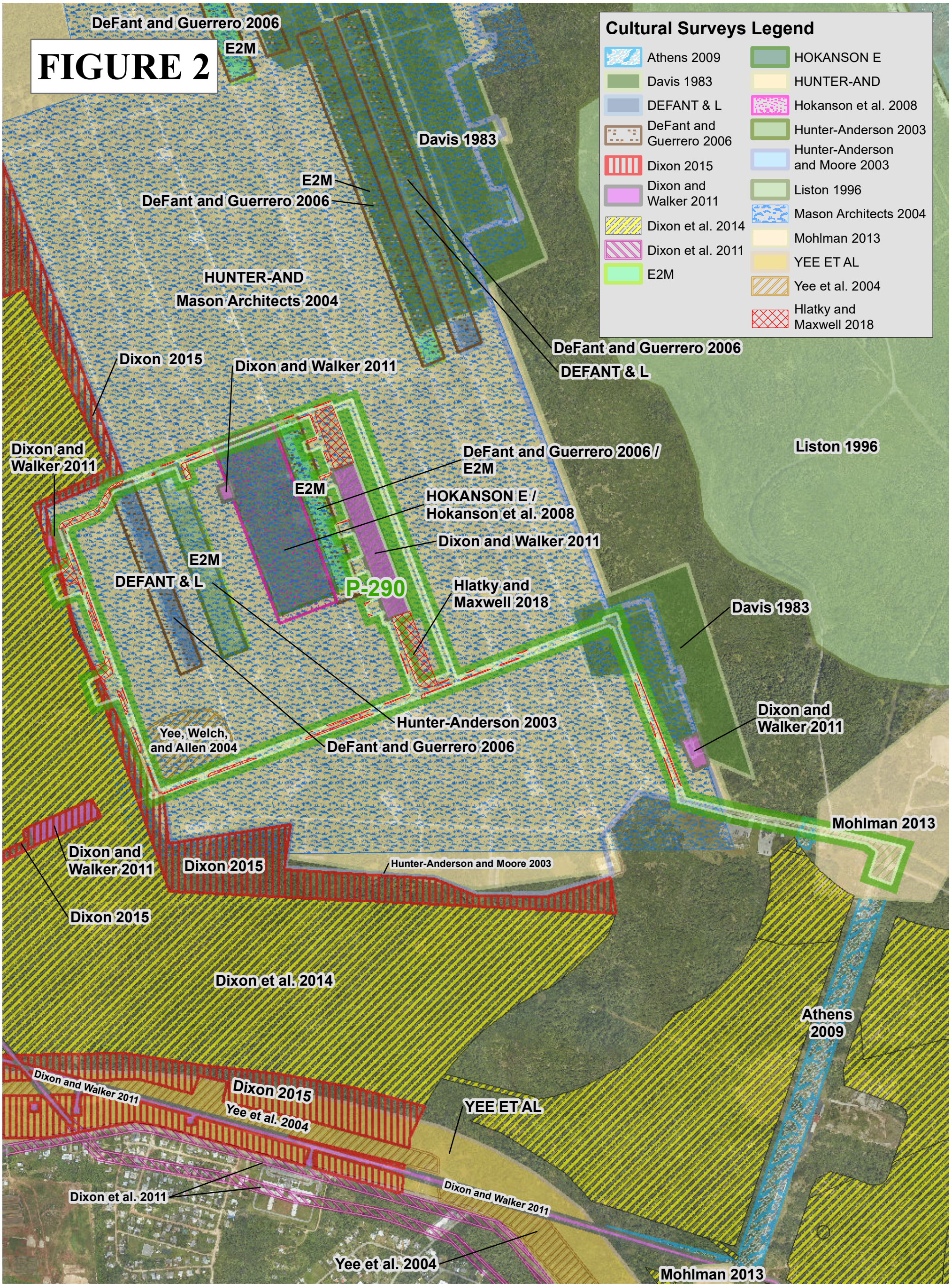
- P-290 (Earth Covered Magazines) Project Area
- Military Installations

Total APE Area P-290 = 53 Acres



Date: 12/21/2018 Time: 4:11:25 PM Path: C:\Users\laaron.pulliam\Documents\GIS Projects\MXDs\AAAFB\ECMs\Memo\IP290\PA_Memo\IP290\PA_Memo_AAFAFB\ECMs_GSHPO - Figure 3.mxd

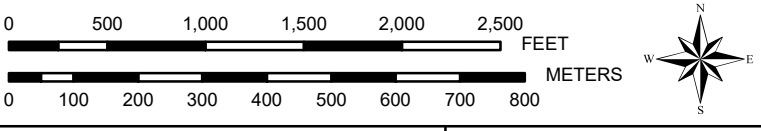
FIGURE 2



Cultural Surveys Legend

	Athens 2009		HOKANSON E
	Davis 1983		HUNTER-AND
	DEFANT & L		Hokanson et al. 2008
	DeFant and Guerrero 2006		Hunter-Anderson 2003
	Dixon 2015		Hunter-Anderson and Moore 2003
	Dixon and Walker 2011		Liston 1996
	Dixon et al. 2014		Mason Architects 2004
	Dixon et al. 2011		Mohlman 2013
	E2M		YEE ET AL
			Yee et al. 2004
			Hlatky and Maxwell 2018

P-290 ECMs (Earth Covered Magazines) at Andersen AFB - Construction Area



PREPARED BY:
 Naval Facilities Engineering Command Pacific Division
 Guam Program Management Office
 DATE: 07 Jan 2019

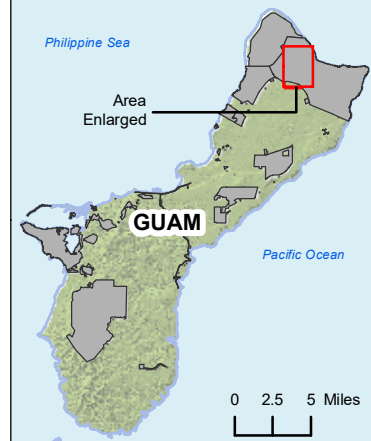


Coordinate System: UTM Zone 55 North
 Projection: Transverse Mercator
 Datum: D WGS 1984

Legend

- P-290 (Earth Covered Magazines) Project Area
- Military Installations

Total APE Area P-290 = 53 Acres



Date: 1/7/2019 11:12:11 AM Path: C:\Users\laaron.pulliam\Documents\GIS\Projects\IXD\AAAFB\ECMs_CulturalSurveys - Figure 2.mxd

If submitting via **e-mail**, scan and send to: criwebcomment@navy.mil

If submitting via **postal mail**, send to:

Attn: CRI Web Comments
Code EV23, NAVFAC Pacific
258 Makalapa Drive, Suite 100
JBPHH, Hawaii 96860-3134

Submitted comments will be posted on the Navy's Cultural Resources Information (CRI) web site. Information presented on the CRI web site is considered public. The sections outlined in **red** are required to be completed in order for a comment to be posted.

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By submitting this comment form, you agree not to include content that is offensive in nature, such as profanity, personal attacks on individuals, and racist or abusive language.

PROJECT: P-290 Design and Construction of Earth Covered Magazines and Ordnance Pads

SUBJECT: PA Memo #1, P-290 Design and Construction of Earth Covered Magazines and Ordnance Pads

Date: _____

Name: _____

CRI User Name (if you don't want your real name to be posted with your comment on the CRI web site):

E-Mail Address: _____

and/or

Postal Mail Address: _____

COMMENTS: _____
