Speaker's Office <speaker@guamlegislature.org>

2011 PA Memo

1 message

Sandra.Yee@fe.navy.mil <Sandra.Yee@fe.navy.mil> Mon, Jun 24, 2019 at 11:03 AM
To: speaker@guamlegislature.org, senatorterlajeguam@gmail.com, senatorbiscoelee@guamlegislature.org, marycamachotorres@gmail.com, senatorlouise@gmail.com, wilcastro671@gmail.com, sabina@senatorperez.org, senatorcnelson@guamlegislature.org, officeofsenatorshelton@gmail.com, office.senatorkelly@guamlegislature.org, rose.senatorsa@gmail.com, clyntridgellforsenator@gmail.com, clsenatorpedo@senatorjpterlaje.com, senatortelot@gmail.com, senatormoylan@guamlegislature.org, mcogadmin@teleguam.net, ocp.mayor@gmail.com, mayor.mcdonald671@gmail.com, agatmayor@yahoo.com, agatvice.chrisfejeran@yahoo.com, asanmainamayor@gmail.com, mayorbarrigada@gmail.com, jessie.bautista007@gmail.com, melissa.savares@gmail.com, frankabenavente17@gmail.com, mayordorisfloreslujan@gmail.com, inarajanmayorsoffice@gmail.com, mayorallan.ungacta@yahoo.com, vicemayortomduenas@gmail.com, mayorernestc@yahoo.com, jesse.alig@pitiguam.com, guammayor@gmail.com, rudyiriarte@gmail.com, mayorlcrivera.tatuha@gmail.com, vicemayorksantos.tatuha@gmail.com, yigomayorsoffice2@gmail.com, yigovice@gmail.com, talofofomayor@gmail.com, hagatnamayor@hotmail.com, mtmmayorpaco17@gmail.com, daleealvarez@gmail.com, umatacmo@gmail.com, jmendiolablas@yahoo.com, anghet@hotmail.com
Cc: Sandra.Yee@fe.navy.mil

356L-19-0649
Speaker Tina Rose Muña Barnes

JUN 24 2019
Time 11:03 (/)AM ( )PM
Received By: Aleen

You will find, attached, the latest PA Memo, describing the design phase for later construction of munitions magazines at the Naval Magazine. This is provided for your information. Digital and hard copies were delivered last week to the SHPO office for their files, and for public distribution of the Public Version that you receive here. This will also be posted on the CRI website, with a PSA announcement in local media to let the citizens of Guam know.
[https://www.navfac.navy.mil/navfac_worldwide/pacific/about_us/cultural_resources.html]

Sincerely,
Sandy

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2019 JUN 24 PM 1:31

P-608 Revised PA Memo #1 Public_Design.pdf
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0649

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

Project: P-608 Project Design Studies for Earth Covered Magazines and Ordnance Pad - RC# 2019-0111	**Date**: June 21, 2019 **Comment Period Open Until:** August 5 2019
Project Location: Naval Base Guam, Ordnance Annex	**Prepared By**: NAVFAC Pacific

PROJECT SUMMARY:

This project proposes to conduct project design efforts including geotechnical and topographic surveys for eight (8) earth covered magazines and one (1) ordnance pad within the bounds of Naval Base Guam Ordnance Annex (NBGOA) and Orote Point, Naval Base Guam (NBG). This effort may also require Unexploded Ordnance (UXO)/Munitions and Explosives of Concern (MEC) removal. This P-608 revised PA Memo # 1 is produced in response to SHPO's comments on 26 April 2019.

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). Pursuant to Stipulation V.B., this revised PA Memo presents information to allow the public to provide comments on the DoN's identification and evaluation of historic properties within the project's Area of Potential Effect (APE), as well as the DoN's determination of effect.

Project works will include vegetation trimming for the purpose of accessing geotechnical and land survey study areas, placing geotechnical borings (via auger) and manual excavation to investigate existing structures; as well as placement of survey markers (wooden stake hubs and/or rebar) for topographic land survey support. A topographic survey will be conducted to locate all surface features as well as to depict the natural features and elevations. Geotechnical work generally entails drilling borings with a truck-mounted drill rig using 8-inch diameter augers or pipe casing with water or air rotary drilling. Boring depths will vary, but they are expected to range from 13 – 115 feet (4 – 35 meters). Samples from subsurface soil/rock materials are collected from borings for laboratory analysis. After completion of sampling, borings are filled with grout. Samples of the soil cover of existing structures will be excavated and backfilled after the sample area has been examined.

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 geotechnical and topographic surveys, in support of project design efforts for future improvements and vertical construction projects, will be conducted at the NBGOA and the NBG Main Base (Figure 1). The NBGOA encompasses an area of about 3,577 hectares (8,838 acres) within the inland volcanic hills and valleys of south central Guam. The terrain is mountainous and rugged and NBGOA is dissected by limestone ridges of weathered karst topography and contains ravine forest, limestone forest, swordgrass communities, and savannah grasslands.

The NBG Main Base, at Apra Harbor, is primarily located on Orote Peninsula, a Mariana limestone formation that marks the southern edge of the harbor. This area is primarily developed, but contains patches of limestone, secondary ravine, and scrub forests. Some of the traditional Chamorro place names in this vicinity are Tuparao, Orote, and Sumay.

The P-608 APE measures 21.4 hectares (25.6 acres).

IDENTIFICATION OF HISTORIC PROPERTIES:

Identification Efforts

In planning for the Undertaking, the Department of the Navy (DoN) 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 DoN 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. DoN has provided documentation of these efforts to the Signatories and Invited Signatories via Appendices D and E of the 2011 PA.

DoN 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-608 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-608 APE can be found in the following original studies of cultural and/or historic resources (also, see Figure 2):

Allen, J., B. Dixon, K. Aronson, L. Gilda, D. Gosser, T. Moorman, C. O'Hare, M. Riford, and J. Toenges
2002 *Archaeological Survey and Excavations at the Naval Ordnance Annex, Territory of Guam.* Prepared for Naval Facilities Engineering Command, Pacific, Pearl Harbor, Hawaii. Prepared by Ogden Environmental and Energy Services Co., Inc., Honolulu.

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.

Craib J. L., R. and Nees
1998 *Archaeological Survey and Subsurface Testing of Prehistoric Inland Chamorro Settlement at U.S. Naval Activities Guam in Conjunction with the Department of Defense Legacy Resource Management Program:* Project No. 0895. Prepared for Naval Facilities Engineering Command Pacific, Pearl Harbor, Hawaii. Prepared by Ogden Environmental and Energy Services Co., Inc., Honolulu.

Dixon, B. T. Rudolph, A. Jalandoni, I. Nelson, M. Hroncich-Conner, S. Leary, R. Schaefer, E. Lash, and M. Todd
2014a *Proposed Guam and CNMI Military Relocation, 2012 Roadmap Adjustments SEIS, Live-Fire Training Range Complex Footprints, Main Cantonment, Utilities, Communications, Well Field Alternatives and Access Route Options, Volume I: Potential Direct Impact Area In-Fill Cultural Resource Study Narrative*. Prepared for Naval Facilities Engineering Command, Pacific, Pearl Harbor, Hawaii. Prepared by Cardno TEC, Inc., Honolulu.

Henry, J. D., A. Haun, M. Kirkendall, and D. DeFant
1999 *Phase I Archaeological Survey and Subsurface Testing, U.S. Naval Activities Ordnance Annex and Waterfront Annex*. Prepared for Naval Facilities Engineering Command, Pacific, Pearl Harbor, Hawaii. Prepared by Paul H. Rosendahl, PhD, Inc., Hilo, Hawaii.

Hunter-Anderson, R. and D. Moore
2002 *Phase I and Phase II Archaeological Survey at Waterfront Annex and Ordnance Annex, Territory of Guam Volume I: Narrative*. With contributions by J. R. Amesbury, S. K. Collins, D. M. Pearsall, M. W. Kaschko, G. M. Murakami, C. E. Skinner, J. V. Ward, and E. F. Wells. Prepared for International Archaeological Research Institute, Inc., and Department of the Navy, Pacific Division, Naval Facilities Engineering Command, Pearl Harbor, Hawaii. Prepared by Micronesian Archaeological Research Services, Barrigada, Guam.

Joint Region Marianas
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, Hawaii.

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

Mason Architects and Weitze Research
2010 *Cold War Historic Context and Architectural Inventory for Naval Base Guam: Main Base, Piti Power Station, Drydock Island and Polaris Point*. Prepared for Naval Facilities Engineering Command, Pearl Harbor, Hawaii. Prepared by Mason Architects Inc., and Weitze Research.

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.

McCoy, P., S. Price, and J. Craib
1978 *Archaeological Review of Orote Historical Complex, Orote Point, Guam.* Prepared for the U.S. Department if the Navy. Prepared Pacific Studies Institute, Micronesian Areas Research Center, University of Guam, Mangilao.

Reinman, F., and R. Nees
1998 *Archaeological Inventory Survey for the Apra Harbor Naval Complex, Guam in Conjunction with the Department of Defense Legacy Resource Management Program*. Project No. 0895. Prepared for Naval Facilities Engineering Command Pacific, Pearl Harbor, Hawaii. Prepared by Ogden Environmental and Energy Services Co., Inc., Honolulu.

Schilz, A. and R. P. Drolett
1992 *Preliminary Report. Archaeological Survey and Evaluation, Orote Point, Guam, Mariana Islands*. Prepared for Naval Facilities Engineering Command Pacific, Pearl Harbor, Hawaii.

Results of the above identification efforts indicate that there are several historic properties near the APE and one potential historic property within the APE. Notably, there are several site complexes within West Fena area. The Bonya site (66-08-0145) is a Latte complex comprised of two loci: the West Bonya site (66-08-0145A) and the East Bonya site (66-08-0145B). The West Bonya Site is a Latte Period site that consists of seven Latte sets, an associated retaining wall, several basalt mortars (*lusong*), and a surface artifact scatter. Radiocarbon samples collected from subsurface excavations reveal a date range of AD 1285 – AD 1435. The East Bonya consists of six Latte sets, two-eight stone sets and four disturbed clusters. Subsurface testing documented a possible buried occupational surface that contained a possible hammerstone, an adze, two pestles, and ceramics just below the modern surface. While both East and West Bonya sites are listed on the National Register of Historic Places (NRHP) under Criterion D, neither site is within the P-608 APE.

Guam SHPO did not concurr with the DoN's findings of no historic properties effected in PA Memo # 1 for Project Design Studies (12 March 2019). This revised PA Memo # 1 for P-608 is produced in response to SHPO's comments. Guam SHPO states that PA Memo# 1 does not describe in detail the excavation depths. PA Memo# 1 pertains only to project design studies and does not include construction activities. As stated in PA memo #1, maximum depth of the geotechnical excavation is 35 meters (115 feet) below surface.

Additionally, Guam SHPO indicates that the Fena Lake West site is within the P-608 APE for design studies at NBGOA. An error in the presentation of the DoN GIS data is currently being rectified. A joint site visit with the State Archaeologist June 7, 2019 to two boring locations of concern resulted in agreement to proceed with design activities as proposed. As a condition imposed, however, DoN will have an archaeologist examine two boring locations for design activities that are within the vicinity of the Fena Lake West area in order to confirm that these areas do not contain cultural deposits.

While the DoN does not agree with Guam SHPO that new survey must be completed at this time, the DoN will consider additional archaeological investigation at the Fena Lake West area prior to

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.

future consultation on construction. Based on preceding information, the DoN is treating the Fena Lake West area as potentially eligible for inclusion in the National Register of Historic Places until a formal evaluation can be completed.

In accordance with Stipulation VI.F. of the PA, the DoN has retained a full-time Archaeologist to provide site checks, oversee coordination and execution of the archaeological mitigation measures in the PA and to provide quality control. This individual is on-staff at Marine Corps Activity Guam, Public Works Department, and is also designated to respond to and report any inadvertent discoveries to the Signatories, Invited Signatories, and Concurring Parties per Stipulation XII of the PA.

DETERMINATION OF EFFECT:

The DoN has reassessed its findings and has determined that the project will result in "no adverse effect" on historic properties with the imposed condition for an archaeologist to examine boring locations within the vicinity of the Fena Lake West area.

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

NBGOA



NAVAL MUNITIONS SITE

P-608

Fena Reservoir

P-608 Earth Covered Magazines at Naval Base Guam Ordnance Annex - Construction Area

0 100 200 300 400 500 600 FEET

0 50 100 150 200 METERS

N W E S

PREPARED BY:

Naval Facilities Engineering Command Pacific Division
Guam Program Management Office

DATE: 08 Mar 2019

NAVFAC Naval Facilities Engineering Command

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

Legend

P-608 (ECMs at NBGOA) Project Area

Paved Roads

Military Installations

Total APE Area P-608 = 24.8 Acres

Doc. No. 35GL-19-0649.*



Date: 3/8/2019 Time: 4:18:05 PM
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FIGURE 2

NBGOA

Orote Point

Reinman and Nees 1998

Reinman and Nees 1998

McCoy et al. 1978

Schilz and Drollet 1992

Reinman and Nees 1998

P-608

Shun 1988

Hunter-Anderson and Moore 2002

Philippine Sea

Mason Architects and Weitze 2010

Dixon et al. 2014a

NAVAL BASE GUAM

NAVAL MUNITIONS SITE

Henry et al. 1999

Hunter-Anderson and Moore 2002

Craib and Nees 1998

P-608

Fena Reservoir

Allen et al. 2002

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Cultural Survey Area - Orote Pt.

- Hunter-Anderson and Moore 2002
- Reinman and Nees 1998
- Shun 1988
- Mason Architects and Weitze 2010
- McCoy et al. 1978
- Schilz and Drollet 1992

P-608 Earth Covered Magazines at Naval Base Guam Ordnance Annex - Construction Area

0 100 200 300 400 500 600 FEET

0 50 100 150 200 METERS

N W E S

PREPARED BY:

Naval Facilities Engineering Command Pacific Division
Guam Program Management Office

DATE: 08 Mar 2019

NAVFAC Naval Facilities Engineering Command

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

Legend

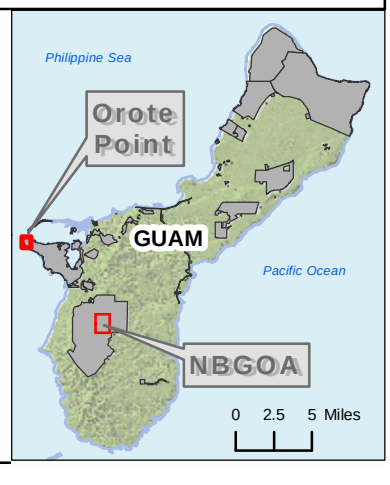
Total APE Area P-608 = 24.8 Acres

- P-608 (ECMs at NBGOA) Project Area
- J-200 (North Ramp Utilities) Project Construction Area
- Paved Roads
- Military Installations

Cultural Survey Area - NBGOA

- Allen et al. 2002
- Carucci 1993
- Craib and Nees 1998
- Dixon et al. 2014a
- Henry et al. 1999
- Hunter-Anderson and Moore 2002

Doc. No. 35GL-19-0649.*



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Military Relocation PA Memo Comment Form | 2019

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.

Privacy Act Statement
Personal information will only be used to contact you regarding the comments you submit. This information will only be shared with another government agency if your inquiry relates to that agency, or as otherwise required by law. We will not create individual profiles or give your information to any private organization. While you must provide a valid e-mail address or postal address, please **DO NOT** include personally identifying information such as a social security number.

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-608 Revised Project Design Studies PA Memo # 1

SUBJECT: PA Memo #1, P-608 Revised Project Design Studies for earth-covered magazines in the Naval Base Guam Ordnance Annex

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: _____

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Military Relocation PA Memo Comment Form 2019

COMMENTS: _____