



Military Relocation 2011 Programmatic Agreement Semi-Annual Report January 1 – June 30, 2023



GHPI site No. 66-07-1638, Latte Period Trail, Tarague

Prepared by Marine Corps Base Camp Blaz Public Works Department

November 2023

Section I shall include a list of all individual projects (as identified in Stipulation V.A) completed within the six-month reporting period that were determined to qualify for findings of No Historic Properties Affected or No Adverse Effect on Historic Properties. This list shall include the date of approval by the CRM and description of the project scope.

- **J-017-V Waterline Connect (RC 2007-0782)**
 - The project's design for the waterline was re-routed. Revised submittal supports design studies for interconnected waterlines and upgrades to support MCBCB water infrastructure.
 - Revised PA Memo submitted on March 7, 2023: No historic properties affected
 - 5/1/2023: SHPO provided non-concurrence (See Section II for additional information)
- **P-187 Construction of Exclusion Barrier South, MCBCB Forest Enhancement (RC 2022-0013)**
 - The project proposes to construct an exclusion barrier (fence) to limit movement of brown tree snakes, rats, cats, and ungulates such as feral pigs and deer in the MCBCB Forest Enhancement Sites. The construction project will include access paths, irrigation pipelines, and concrete footings associated with the barrier.
 - PA Memo submitted May 11, 2023: No historic properties affected
 - No SHPO comments received during this reporting period.
- **P-608 Earth Covered Magazines (RC 2019-0111)**
 - The project proposes to conduct geotechnical and topographic surveys and subsequently construct six (6) earth covered magazines at Naval Base Guam (NBG) Orote Point and NBG Munitions Site
 - PA Memo submitted June 15, 2023: No adverse effect on historic properties.
 - No SHPO comments received.
- **P-745 US Fish and Wildlife Service (USFWS) Facilities Relocation Design Studies, Guam National Wildlife Refuge (NWR), Ritidian (RC 2022-0283)**
 - The project proposes to conduct design studies (geotechnical investigation, soil screening, topographic survey) supporting planning efforts for the relocation of the USFWS facilities at the Guam NWR.
 - PA Memo submitted April 7, 2023: No adverse effect on historic properties
 - This project will provide archeological monitoring support and avoid archeological features
 - No SHPO comments received during this reporting period.

Section II shall include a list of all individual projects (Stipulation V.A.) completed within the six months for which supplemental consultation under this PA has been conducted, including the determination of effect and any mitigation measures identified.

J-001B Utilities and Sites Improvement MCBCB Main Cantonment (RC 2014-0625)
<ul style="list-style-type: none"> • 2/7/2023: MCBCB submitted to SHPO the draft Burial Treatment Plan (BTP) Addendum for HR-11, HR-12, HR-20, HR-22, HR-25 for review and comment • 2/23/2023: MCBCB received SHPO response for the draft BTP addendum. Comments included: request for photos, preserving the area between burial sites, and that existing trees are retained within the burial sites. • 2/27/2023: MCBCB and SHPO in-person meeting about the BTP addendum. • 03/27/2023: MCBCB submitted the revised BTP Addendum to SHPO with responses to SHPO comments: MCBCB provided requested photos and agreed to retain healthy trees, however it is not feasible to preserve the area between the burial sites. • 4/18/2023: MCBCB submitted to SHPO revised BTP Addendum, addressing SHPO comments and reflecting 2/27/2023 in-person SHPO meeting between MCBCB and SHPO; SHPO signed and provided concurrence. • 6/5/2023: MCBCB submitted final BTP Addendum to SHPO signed by the Guam State Historic Preservation Officer and Commander Joint Region Marianas. • Consultation for landscape design is on-going.

J-008-I Fire Station Training Area (RC 2023-0160)
<ul style="list-style-type: none"> • 5/1/2023: SHPO provided non-concurrence, with the following comments and requests below. <ul style="list-style-type: none"> ○ Requested a copy of the Pacheco et al. (2020) report ○ Requested clarification on quality of imagery (suggested we altered the photo) ○ Insisted there are nondisclosed historical properties depicted on historical maps ○ Requested confirmation if the historic softball field is NRHP eligible ○ Inquired final disposition of megaliths currently stored in the area, requesting they are made accessible to the public as an outdoor display. ○ Consultation is on-going.

J-017-V Waterline Interconnect (RC 2007-0782)
<p>Proposed project to install a waterline along Route 3.</p> <ul style="list-style-type: none"> • 3/7/2023: Revised PA Memo 1 delivered to SHPO with determination of <u>No Historic Properties Affected</u> • 5/1/2023: SHPO non-concurrence, recommended archeological testing investigations and archeological monitoring. Consultation is on-going.

J-755 Urban Combat Training Complex (RC 2013-1101)
<ul style="list-style-type: none"> • 2/22/2023: MCBCB notified SHPO of HR-15 Burial 1 • 3/2/2023: MCBCB notified SHPO of HR-15 Burial 2 • 3/22/2023: MCBCB notified SHPO of HR-15 Burial 3 <ul style="list-style-type: none"> ○ 3/31/2023: SHPO responded for preservation-in-place of Burials 1 to 3, recommended redesign of the road to accommodate the burials (although, the road was already redesigned prior to their comments).

- 3/27/2023: MCBCB provided SHPO Area 14 and HR-12 End of Fieldwork Letter
- 4/4/2023: MCBCB provided SHPO Area 6 HR-4 End of Fieldwork Letter
- 6/9/2023: MCBCB notified SHPO of HR-16 human skeletal remains in a non-burial context exposed with an uprooted tree
 - 6/29/2023: SHPO responded with objection that a ritual should have been held to rebury the remains, which they mistakenly referred to as a burial, and insisted that further excavation should be conducted. MCBCB maintains that these were not confirmed as a burial and further investigation is not warranted due to no construction planned for this area. The HR-16 remains were returned to their original disposition and the area is currently protected with a 20 ft buffer with high visibility fencing.
 - Consultation is on-going.

J-609 Apra Harbor Embarkation Operation (RC 2020-0686)

- 2/9/2023: MCBCB responded to SHPOs non-concurrence (dtd 10/19/2022) with detailed history of post-WWII construction of Apra Harbor and development of the surrounding area. MCBCB provided:
 - Map indicating fill distribution across the area (previously questioned by SHPO in their comments)
 - 1951 air photo showing clearing, grading, filling and construction in the area (subsequently demolished)
 - Welch 2010 report showing locations of archeological trenching (N=22) in the area,
 - Trench profiles (Appendix in Welch 2010) that extended to a depth of 5-6 meters in many of the trenches indicated presence of up to 3 meters of fill over a layer of sand containing marine shells indicative of mangrove marsh habitat over gley.
 - Archeological monitoring of the trenches (Welch 2010) reported that no cultural material (with the exception of metal and glass fragments in the fill) was observed
 - Based on this evidence, MCBCB concluded that the potential for existence of any remains of 1913-14 cultural landscape is unlikely and archeological monitoring is not warranted in this area
- MCBCB maintained that the determination of No Historic Properties Affected still applies.
- 2/23/2023 SHPO responded to MCBCB comments, rejecting the evidence presented by MCBCB in archival maps and photos and trench profiles in our response to SHPO comments.
- The State Archeologist repeated his statement that “a monitoring plan is necessary, if not a total resurvey of the area.”
- 2/27/2023: MCBCB consulted with SHPO regarding their concerns.
- 4/27/2023: MCBCB provided additional background reports to SHPO in response to PA Memo consultation (Dixon et al., 2004 report and report on the Orote Fuel Spill)
- 5/03/2023: MCBCB received comments from SHPO with continued non-concurrence with No Historic Properties Affected:
 - SHPO believed light detection and ranging (LiDAR) depicts an historical structure within the project area
 - SHPO GIS depicts a site within the project area that was noted by Dixon et al., 2004
- 5/19/23: MCBCB made a site visit with SHPO, outcome was as follows:
 - SHPO concurred that LiDAR depicts a berm related to the oil spill clean-up, not an historic structure
 - SHPO noted a concrete marker of interest and requests further investigation

- SHPO noted a Japanese POW-built set of steps and wall located in the APE and will require further consultation. This may be the site that was noted in the SHPO GIS, although it is in a different location.
- MCBCB will respond to previous comments with site visit minutes and response to SHPO concerns for concrete marker and steps/wall concerns.
- 6/13/2023: MCBCB made a site visit to the steps/wall with NBG CRM Lon Bulgrin:
 - NRB CRM had no previous knowledge of the steps/wall
 - NRB CRM confirmed the masonry is consistent with Japanese POW architecture
- 6/27/2023: MCBCB requested OICC de-scope the steps or otherwise plan for mitigation through a contract for a Historic American Engineering Record (HAER). Awaiting decision from OICC; SHPO consultation is on-going.

P-103 Water Well Field (RC 2016-0122)

- Construction of water well facilities on Andersen Air Force Base.
- 1/31/2023: MCBCB notified SHPO of a discovery of probable human skeletal remains (HSR) in a non-burial context (1 bone fragment)
- 3/2/2023: MCBCB delivered to SHPO HR-1 End of Fieldwork letter. The remains were determined to be faunal (non-human) remains and no other fragments of possible HSR found. No SHPO comments received.

Section III shall include any additional coordination under this PA initiated (Stipulations I.D and I.E) within the past six months as a result of changes or additions to the Undertaking. DoD shall provide a summary showing the project name, date of adverse effect notification and status of consultation.

P-290 Earth Covered Magazines and Ordnance Pads (RC 2017-0605)

Proposed project to install new earth covered magazines and ordnance pads in the MSA-1 (magazine storage area-1), Andersen Air Force Base. Per PA Memos #1 and #2, no archeological monitoring was required, but NAVFAC Marianas [MCBCB] would provide professional site checks.

- 1/19/2023: SHPO provided review comments to MCBCB's notification of a discovery and draft plan of action for new discovery area P-290-001 (submitted to the SHPO on 12/28/2022). Comments were received past the deadline but taken under advisement by MCBCB and archeological contractor.
- 5/04/2023: Draft Archeological Work Plan for testing, data recovery, and monitoring submitted to SHPO. No response from SHPO.
- 5/15/2023: P-290-001 HR-2 Notification submitted to SHPO. No response from SHPO.
- 6/30/2023: P-290 HR-3 Notification submitted to SHPO.

Section IV will provide a summary of progress on the implementation of mitigation measures specified in Stipulations VI, VII and VIII

Stipulation VI.A.1: Mitigation Plans
P-290 Earth Covered Magazines and Ordinance Pads, MSA-1, AAFB <ul style="list-style-type: none"> 5/04/23: P-290 Draft Work Plan submitted to SHPO with comments due 6/19/2023. No response from SHPO.

Stipulation VI.A.2: Data Recovery Reports
No Data Recovery reports submitted during this reporting period.

Stipulation VI.B: Public Education and Interpretation
<ul style="list-style-type: none"> No additional educational booklets were produced during the reporting period. Digital copies of existing booklets can be obtained from the Navy Cultural Resources Information website (https://pacific.navfac.navy.mil/About-Us/Cultural-Resources-Information/). When you reach the website, click “About Us” to access Cultural Resource information, including opportunities to comment on PA Memos. 1/19/2023: A Public Open House was held at the recently completed Guam Cultural Repository. The open house provided an opportunity for the public to see the measures taken to protect the cultural and natural resources in and around the construction of Camp Blaz. 4/18/2023: MCBCB submitted Section 106 consultation package to SHPO for the installation on an interpretive signage at Tweed’s Cave. Tweed’s Cave is one of the sites accessible to the public through the Public Access Plan. <ul style="list-style-type: none"> SHPO concurred with MCBCB’s determination of <u>No Adverse Effect</u> and stipulated that MCBCB provide an updated Guam Historic Preservation Inventory (GHPI) Form to reflect the changes to the cave and GIS coordinates of the site.

Stipulation VI.D.1: Cultural Resource (CR) Awareness
<ul style="list-style-type: none"> 1,055 contractors received CR training between January to June 2023

Stipulation VI.D.2: Access to Historic Properties on DoD Lands
<ul style="list-style-type: none"> The Public Access Plan was suspended during the height of COVID. It is being overhauled to provide a more robust program headed by a full-time coordinator. New Public Access Plan Coordinator, Mrs. Shayna Lopez, on-boarded in April 2023. She created a new website to better provide the public with the step-by-step application process and provide better information on the sites available for public access. Outgoing Coordinator was working with Naval Base Guam (NBG) leadership and the National Park Service (NPS) to schedule regular bus tours to NBG Munitions Storage Area sites Note that the sites on NBGMS, particularly sites with latte sets, are among the best preserved on the island. See Section VIII for more information about the Public Access Plan.

Stipulation VI.F: Professional Oversight
<ul style="list-style-type: none">• Camp Blaz archeologists consult regularly with Naval Base Guam and Andersen Air Force Base Cultural Resource Managers (CRM) and with the Joint Region Marianas CRM to ensure oversight of actions and mitigations related to the Marine Corps Relocation. Camp Blaz archeologists are also in consultation with Naval Facilities Engineering Systems Pacific (NAVFAC PAC) archeologists by phone or email daily.• Camp Blaz archeologists conduct site visits to inspect progress, respond to contractor requests for information and report to the Contract Officer's Representative on any issues.• Camp Blaz archeologists communicate with SHPO and the State Archeologist regarding discoveries and requests for information.• There are currently two Secretary of the Interior (SOI) qualified archeologists at Camp Blaz; one of which took over as the Cultural Resources Manager (CRM) when the outgoing CRM vacated by the retiring in June 2023. Another archeologist (GS-11) joined the team in May 2023.

Stipulation VI.G: Update of Historic Properties Information
<ul style="list-style-type: none">• Contracts for archeological investigations, whether for surveys or data recovery, require that the contractor prepare a new or updated (as appropriate) Guam Historic Property Inventory (GHPI) form for the property and include evaluation for National Register Criteria for listing to the National Register of Historic Places (NRHP).• GHPI numbers are issued by SHPO.• 1/31/2023: MCBCB submitted Request for Assistance requesting for a GHPI number to Temporary Site 1 discovered during archeological investigation of potential new location for relocation of US Fish and Wildlife facility at Ritidian. Temporary Site 1 is a historic site that is potentially eligible for listing in the NRHP.

Guam-Specific Mitigations (Stipulation VII)

Stipulation VII.B.1: Signage at South Finegayan
<ul style="list-style-type: none">• While military Relocation action (housing construction) is no longer proposed at South Finegayan, the requirement to update the interpretive signage at the South Finegayan Latte Stone Park remains a requirement per the 2011 PA.• Plans for the interpretive signage and rehabilitation of the area around the latte set including removal of dead trees, grass cutting, etc., have been completed and submitted for approval.<ul style="list-style-type: none">○ The interpretive signage will incorporate information obtained during a 2016 NBG investigation of the features around the standing latte set○ There is also opportunity to manage this requirement with other interpretive needs or initiatives beyond the 2011 PA○ Currently, available funding is limited to the signage update in the 2011 PA○ Additional funding is being sought to support the larger rehabilitation of the park.• Access to South Finegayan is currently restricted due to military use of the area; however, opportunities for visiting the latte park will be available in the future, subject to application through the Public Access Plan.

Stipulation VII.B.2: Maintain Access to Southern Mountain Trail
<ul style="list-style-type: none"> • There have been no actions restricting access to the Southern Mountain Trail.

Stipulation VII.C.2: Assist SHPO with Update of Guam Historic Preservation Plan
<ul style="list-style-type: none"> • Requirement is for DoD to support SHPO's Guam Historic Preservation Plan (HPP) in accordance with SOI Standards and Guidelines for Preservation Planning as part of its five-year planning cycle and continue to do so every 5 years for the life of this agreement • SHPO is completing the HPP and anticipates printing soon.

Stipulation VII.C.2: Prepare/Update Stand-alone Guam Synthesis
<ul style="list-style-type: none"> • Requirement is to support the Guam Historic Preservation Plan by producing a stand-alone synthesis of inventory and evaluation efforts. • The initial Synthesis, published in 2019, consisted of a two-volume set that started after Guam SHPO completed the Historic Preservation Plan in 2018. • The Synthesis update was awarded 28 July 2022 and will provide an opportunity to include new information from military relocation investigations, particularly those on the Northern Plateau. Several improvements have been incorporated in response to comments received: <ul style="list-style-type: none"> ○ Updated GIS component ○ Increased collaboration with Guam SHPO ○ Public versions of the Synthesis ○ Interpretive component that includes an interpretive booklet and portable display kit with lesson plans for presentations • 3/7/2023: MCBCB submitted draft work plan for the preparation of a Synthesis of Historic Property Inventory and Evaluation Efforts on Guam (Guam Synthesis) <ul style="list-style-type: none"> ○ 5/3/2023: Guam SHPO provided comments • Research is ongoing: collection of new data since initial 2019 publication

Stipulation VII.C.3: National Register of Historic Places (NRHP) Nominations
<p>This stipulation requires that DoD prepare at least two NRHP nominations per year for historic properties on DoD land.</p> <ul style="list-style-type: none"> • Camp Blaz is taking measures to streamline the routing systems for nominations for both Navy and Air Force to speed up the review process. Thirteen nominations are planned to be presented to JRM for delivery to NAVFAC HQ for signature and delivery to the Keeper in 2023. • 5/12/2023: MCBCB submitted DRAFT NRHP nomination forms for CY2022 • CY2023 NRHP Nomination project was out for proposals at the end of the reporting period (see details in Table 1).

Table 1. STATUS OF NRHP NOMINATIONS AS OF DECEMBER 31, 2022 (*have Brochure/Pamphlet)

Calendar Year	Property Name	Status
2012	Talisay (66-02-2366)*	Listed in NRHP
2012	Tumon-Maui Well (66-01-2278)*	Listed in NRHP
SHPO	Mahlac Pictograph Cave (66-02-1985) By SHPO*	Listed in NRHP
2013	Dobo Springs Latte Set Complex (66-02-0151)*	Listed in NRHP
2013	North Field AAFB*	North Field nomination was prepared by NAVFAC PAC and

		NAVFAC Marianas at recommendation of AAFB CRM, based on Historic American Engineering Record completed as partial mitigation of adverse effects on North Field. Nomination was ultimately not submitted.
2014	Dådi Beach Defensive Bunker (66-02-1303)*	Listed in NRHP
2014	Påpa'etnon (66-02-2330)*	Pending routing through JRM
2015	Maulap River Complex (66-02-1978)*	Keeper returned nomination with minor comments. Nomination will be re-submitted
2015	Sagåyan Atmagosa (66-02-2337)*	Pending routing through JRM
2016	Torres Farmstead (66-08-2717)*	Pending routing through JRM
2016	Tarague Well #4 (66-07-1586)*	Pending routing through JRM
2017	Songsong Må'gas (66-09-1935) & Guekon Yu'us (66-09-1940)	Pending routing through JRM
2018	Arizona Room, AAFB (66-07-1588)*	Completed SHPO review, provided traditional name of "Taioppe" - with Camp Blaz for routing through JRM
2018	Straggler's Cave AAFB (66-08-1515)*	Completed SHPO review, with Camp Blaz for routing through JRM
2018	Block Rock Shelter, AAFB (66-08-1516)*	Completed SHPO review, with Camp Blaz for routing through JRM
2019	Pugua Point site (cut steps) proposed by SHPO	Completed SHPO review, with Camp Blaz for final review
2019	Pugua Point site (Site 13) proposed by SHPO	Completed SHPO review, with Camp Blaz final review
2019	JRM Conference Table Constructed for a March 1967 conference between civilian and military leaders of US and South Vietnam and recently featured in a documentary hosted by JRM PAO and Guam Parks and Historic Sites historian.	Completed SHPO review, with Camp Blaz for routing through JRM.
2020	66-02-2341 contains two latte sets and has a Spanish component	Field work completed in 2021 due to COVID delays. Received Draft Feb 2022; under internal review with Camp Blaz
2020	66-02-2344 contains two latte sets and two associated quarries	Field work completed in 2021 due to COVID delays. Received Draft Feb 2022; under internal review with Camp Blaz

2020	66-02-2339 is a single latte set with associated rock shelter	Field work completed in 2021 due to COVID delays. Received Draft Feb 2022; under internal review with Camp Blaz
2021	66-02-2348 is a Latte Period site in Naval Base Guam Munitions Storage Area.	Fieldwork completed; Received drafts March 2022; under internal review with Camp Blaz
2021	66-02-2350 is a Latte Period site in Naval Base Guam Munitions Storage Area.	Fieldwork completed; Received drafts March 2022; under internal review with Camp Blaz
2022	66-07-1614 is a Latte Period coastal village at Tarague, AAFB. Part of the thematic nomination for upland agricultural sites, coastal villages and the network of stone lined paths that connect them in the Tarague Embayment.	Fieldwork was completed in December 2023, under review by Camp Blaz
2022	66-07-1637 is an upland agricultural site. Part of the thematic nomination for upland agricultural sites, coastal villages and the network of stone lined paths that connect them in the Tarague Embayment, AAFB	Fieldwork was completed in December 2023, under review by Camp Blaz
2022	66-07-1638, a well-preserved section of the network of stone-lined path that connect the agricultural sites with coastal villages and fresh water sources; Part of the thematic nomination for upland agricultural sites, coastal villages and the network of stone lined paths that connect them in the Tarague Embayment, AAFB	Fieldwork was completed in December 2023, under review by Camp Blaz
2022	Multi-component site near the Known Distance Rifle Range. The site is important for providing early dates that demonstrate pre-latte activities on the Northern Plateau. At the Live Fire Training Range Complex, MCBCB (previously AAFB)	Fieldwork was completed in December 2023, under review by Camp Blaz
2023	Fena Lake West (66-02-0145c), Latte set site, on NBG Munitions Site	Request for Proposals
2023	Fena Massacre Site (66-02-1313), includes two caves associated with massacre and assault on July 19, 1944, On NBG Munitions Site	Request for Proposals
2023	Fena Dam Complex (Site 66-02-1851) is a manmade lake and dam built between 1940 and 1951, on NBG Munitions Site	Request for Proposals
2023	The Old Bridge (no GHPI. Site Number), built in 1931, is one of the only unmodified, pre-war bridges on Guam. Located on NBG Munitions Site	Request for Proposals
2023	Tweed's Cave (66-08-1051) is a rock fissures used as refuge for First Class Radioman George Tweed between 1941 and 1942. Located on MCBCB (previous NCTS)	Request for Proposals

Stipulation VII.C.4.a: Cultural Repository Funding
<ul style="list-style-type: none"> • DON advocated for funding and secured Congressional authorization. Office of Economic Adjustment granted \$12 million to Office of the Governor. • Construction has been completed on the University of Guam campus. • The Cultural Repository hosted an Open House presentation on the status of Cultural and Natural Resource Mitigations in January 2023. • When the facility is staffed and ready to receive collections, JRM will begin transferring collections to the facility. • Note that the facility is intended to house all Guam collections, not just Federal collections.
Stipulation VII.C.4.b: Museum Complex Advocacy
<ul style="list-style-type: none"> • DON provided a white paper explaining the effort to secure funding and to meet the commitment for advocacy. No federal agency was able to provide funding for a museum complex.
Stipulation VII.D: National Park System on Guam
<ul style="list-style-type: none"> • No impacts to NPS related to the military relocation have been reported.
Stipulation VIII: Tinian Mitigations
<ul style="list-style-type: none"> • Tinian mitigations stipulated under the 2011 PA remain inactive.
Stipulation IX: Provide SHPO Liaison
<ul style="list-style-type: none"> • The position is funded through the Center for Environmental Management on Military Lands (CEMML) at the University of Colorado. • The Liaison position is stationed full-time at SHPO. • The position has been vacant since departure of the last liaison. • Secretary of Interior (SOI)-qualified archeologists from Camp Blaz are filling-in as temporary liaisons pending on-boarding of a permanent liaison through the CEMML program. • In March 2023, an SOI qualified archeologist accepted the position and was scheduled to onboard in June 2023. However, in May 2023, CEMML rescinded that offer in hopes of hiring someone interested in a more long-term position (i.e. interested in more than the nine-month duration for which the job was posted).

Section V will include a list of projects to be completed in the next reporting period, including the determination of effect and any mitigation measures required.

Note: Projects listed in Section V are anticipated during the next reporting period; however, timing may vary due to scheduling decisions.

Supplemental PA Memo for MCBCB Forest Enhancement Sites (FES) – Installation of ungulate fence and design studies and construction of irrigation wells (RC 2022-0952)

- The intention of the FES actions is to restore limestone forest habitat by controlling invasive species and augmenting existing native plant stands with additional native and endemic plant species. In support of the FES project, an initial step is to control access of Philippine deer and feral pigs, by installing ungulate fencing. The fencing is comprised of T-posts with rigid cattle panels and deer mesh with a height of seven feet. A wire mesh apron along the surface outside the fence prevents pigs from burrowing under the fence.

The proposed 3.6 mile long Taguac fence line is situated primarily along maintained roads and paths. The fence can be woven through existing vegetation to minimize disturbance. A maximum of three feet on either side of the fence may be cleared to accommodate the fence. If vegetation is removed along the fence line it will be cut above the ground surface. T-posts will be installed every 6 to 8 feet to support the fence panels, mesh and equipment and personnel gates. T-posts will be installed with a maximum depth of 3 feet 8 inches. The vehicle access gates will include a narrow concrete pad to prevent erosion at access points. Ground disturbance at the concrete pad location will include vegetation removal to a depth of 6 to 12 inches. An additional required step in the forest enhancement work is to outplant native plant species. Newly outplanted seedlings and plants must be watered to ensure establishment; the proposed wells will support the outplanting effort by providing consistent water supplies for the young plants.

Well activity will include vegetation clearance to access well study locations, placing geotechnical borings (via auger) and mechanized excavation for sample collection, and placement of survey markers for topographic support. The irrigation well requires only a small concrete pad to support the pipe and pump system. No chlorination facilities or housing will be needed as the well does not need to meet safe drinking water standards. 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 and sensitive natural resources.

Supplemental PA memo for H-279 Military Family Housing, Andersen Air Force Base

- H-279 includes the demolition of family housing and the construction of new housing units. Prior to constructing new family housing units, grading, munitions and explosives of concern (MEC) clearance and intrusive design studies such as geotechnical boring and placement of survey markers (wooden stake hubs and/or rebar) for topography support will be required. Generally, geotechnical work entails drilling borings with a truck-mounted drill rig using 8-inch diameter augers or pipe casing with water or air rotary drilling. Boring lengths/depths vary but for the proposed project, may range from five to 50 feet. Additionally, backhoe test pits up to three feet wide and 12 feet long may be excavated in some areas to depths ranging from three to eight feet. Project work will also include earthwork such as trenching, horizontal directional drilling, micro-tunneling and/or cut and fill, and site improvements such as paving, landscaping and where necessary, restoration of roadways, sidewalks, curbs and gutters, and traffic signs.

PA memo for J-313 Corrosion Control Facility; J-321 Controlled Humidity Warehouse; J-402 Outdoor Playing Fields; and J-875 Battle Staff Training Facility, Main Cantonment MCB CB

- *J-313 Corrosion Control Facility:* The project proposes to construct a tactical ground equipment corrosion control facility consisting of a concrete building with high-bay sections, concrete slab, sound and climate insulation, and a concrete roof supported by concrete framing. The project includes multiple bays for coating, sandblasting, bodywork, and sanding. A service pit, a mechanical equipment platform, and maintenance platforms for cranes are included in the building.
- *J-321 Controlled Humidity Warehouse:* This project proposes to construct a single story warehouse with reinforced concrete walls floor foundations. The facility would be equipped with air-conditioning/dehumidification and ventilation systems, as appropriate.
- *J-402 Outdoor Playing Fields:* The project proposes to construct outdoor playing fields, a restroom building, a field support building with restrooms, and a training area. Outdoor playing fields would consist of an outdoor running track with lighted multi-purpose field for soccer and football, another multi-purpose field without lights, and two lighted softball fields. Each softball field will be provided with reinforced concrete dugouts and concrete bench inside of each dugout. The track with multi-purpose field will consist of a synthetic turf surface. The multipurpose field and two softball fields will consist of a natural grass surface. The field support building would consist of a covered public space, concessions, restrooms, storage, telecommunication closet, janitor room, utility room, maintenance bay, and press box. Both the field support building with restrooms, and restroom building would be built with concrete slab-on-grade foundations and sealed concrete floors, painted concrete masonry unit walls, reinforced concrete roof, standing seam roofing engineered for typhoon strength winds, light emitting diode (LED) lighting with energy saving motion sensors, wet-type fire protection system, impact resistant aluminum windows and doors, and exterior insulated finish wall system.
- *J-875 Battle Staff Training Facility:* The project proposes to construct a multi-story building for the Third Marine Expeditionary Brigade, Marine Air-Ground Task Force. The facility would be built using reinforced concrete foundation. It includes a Combat Operations Center training facility, training material storage, an auditorium, and administrative office spaces.

PA Memo for P-316 Artillery Battery Facilities; P-406 Recreation Center; P-408 Religious Ministry Services Facility; P-760 Training Center; P-870 9th Engineer Support Battalion Training Complex, Main Cantonment MCB CB

- *P-316 Artillery Battery Facilities:* This project proposes a two-story Company Battery Headquarters that include administrative offices, conference rooms, electrical/communications maintenance shop and vehicle bays, heavy gun shop and maintenance bays, storage of air or ground organic units, controlled humidity warehouse, restrooms, nursing mother's room, storage rooms, mechanical, electrical and communication spaces. The Company Battery Headquarters consists of reinforced concrete components, such as exterior walls, floors, shallow foundation system of spread and strip footings, beams and pitched; windows; mechanical, electrical and communication systems.
The facility would also build a one-story automotive organizational shop which includes automotive organizational shop and vehicle bays, administrative offices, breakroom, storage, and mechanical, electrical and communications spaces. The automotive organizational shop consists of reinforced concrete components, such as exterior walls, floors, shallow foundation system of spread and strip footings, beams and pitched roof; windows; mechanical, electrical and communication systems.

A one-story heavy gun shop storage would also be constructed. Spaces include heavy gun shop storage, electrical and communications spaces. The heavy gun shop storage consists of reinforced concrete components, such as exterior walls, floors, shallow foundation system of spread and strip footings, beams and pitched roof; windows; mechanical, electrical and communication systems. Construct a one-story vehicle holding shed. Spaces include vehicle bays. The vehicle holding shed consists of reinforced concrete floors, columns, shallow spread footings, beams, and pitched roof.

- *P-406 Recreation Center:* This project proposes construction of a permanent low-rise recreation center with reinforced concrete walls and floor, roof with fluid-applied roofing and concrete shallow foundation. Restrooms and kitchen facilities would be incorporated. A covered outdoor gathering area and utility support spaces will also be included, along with mechanical, electrical and telecommunications rooms.
- *P-408 Religious Ministry Services Facility:* This project proposes to construct a low rise facility for religious ministry services. Spaces include worship and activity rooms, a kitchen, restrooms, mechanical, electrical and communication spaces. Construction consists of reinforced concrete components such as, exterior walls, floors, shallow foundation system of spread and strip footings, beams and pitched roof, windows, and mechanical, electrical and communication systems.
- *P-760 Training Center:* The project proposes to construct a permanent low-rise structure with reinforced concrete structural frame, walls, floor and roof with fluid-applied roofing and concrete shallow foundation system. Primary facilities consist of a trainer building with operational simulator trainer spaces, applied instruction spaces, private and open offices, server rooms, meeting rooms storage areas and miscellaneous support spaces.
- *P-870 9th Engineer Support Battalion Training Complex:* Proposes to construct training facilities to support III Marine expeditionary force (MEF) 9th Engineer Support Battalion

(ESB). Facilities consist of a medium-heavy equipment training area (HE Dig Pit), a water supply training area (UT) and a bulk fuel training area (BF) designed to train personnel in the operation of combat earthmoving equipment, purification of non-potable water and the distribution of bulk fuel (using either fuel or non-potable water). Structures shall be low-rise facilities with slab on grade foundations constructed of concrete with reinforced concrete roofing, windows, mechanical (plumbing) and electrical systems.

The HE Dig Pit is an open pit, filled with soil that will be utilized for training purposes. The grading and earthmoving training operations require storm water runoff sediment control, as well as dust control. Included within the HE Dig Pit is a tank trap training area for an excavator to perform with a dozer blade.

The UT and BF include a bermed concrete pad which will be used for bulk fuel training with fuel. It will also include a concrete-lined pool to collect rainwater to be utilized for water purification training, as well as provide water for bulk fuel distribution training. The covered training area (bleachers) is a single-story, reinforced, slab-on-grade concrete structure consisting of foundations, roofing, mechanical (plumbing), bleachers and electrical systems.

PA memo for P-871/U871 CBRNE Facility FY23, Main Cantonment MCBCB

- Proposed location is along the western perimeter of Camp Blaz cantonment. Facility will provide training for response to Chemical, Biological, Radiological, Nuclear and High Yield Explosives. Construction will occur on ground prepared by J-001B Utilities and Site Improvements.

PA memo for P-415 MCB Camp Blaz Child Development Center, Andersen Air Force Base

- The project proposes the design and construction of a child development center on AAFB. Project efforts include site preparation, paving and related improvements, landscaping, electrical utilities, and mechanical utilities. Unexploded ordnance, Munitions, and Explosives of Concern (MEC) clearance may also be required. The facility will be a low-rise building with vehicle parking. The facility will include spaces for children, core administration, staff support, facility support, outdoor storage and other activities. The facility will be constructed with a concrete roof, walls and shallow foundations, and will meet Guam structural requirements.

P-608 Design Studies for Earth Covered Magazines and Ordnance Pad (RC 2019-0111), Naval Base Guam

- This project proposes to conduct project design efforts including geotechnical and topographic surveys for eight (8) earth covered magazines and one (1) ordnance pad.
- The location of the earth covered magazines has been shifted from Fena Lake to Parsons Road to reduce environmental impacts.
- Geotechnical and topographic studies are planned for the next reporting period
- A PA Memo will be submitted for the construction of the magazines and ordnance pad and proposed laydown area expanding the P-608 Area of Potential Effects

PA memo for construction of P-745 Relocation of US Fish & Wildlife Facility, Ritidian Unit Guam National Wildlife Refuge (RC 2022-0283)

A Memorandum of Agreement between DoD and US Fish & Wildlife Service (USFWS) requires relocation of existing USFWS facilities at the Ritidian Unit of Guam Refuge to a location within the

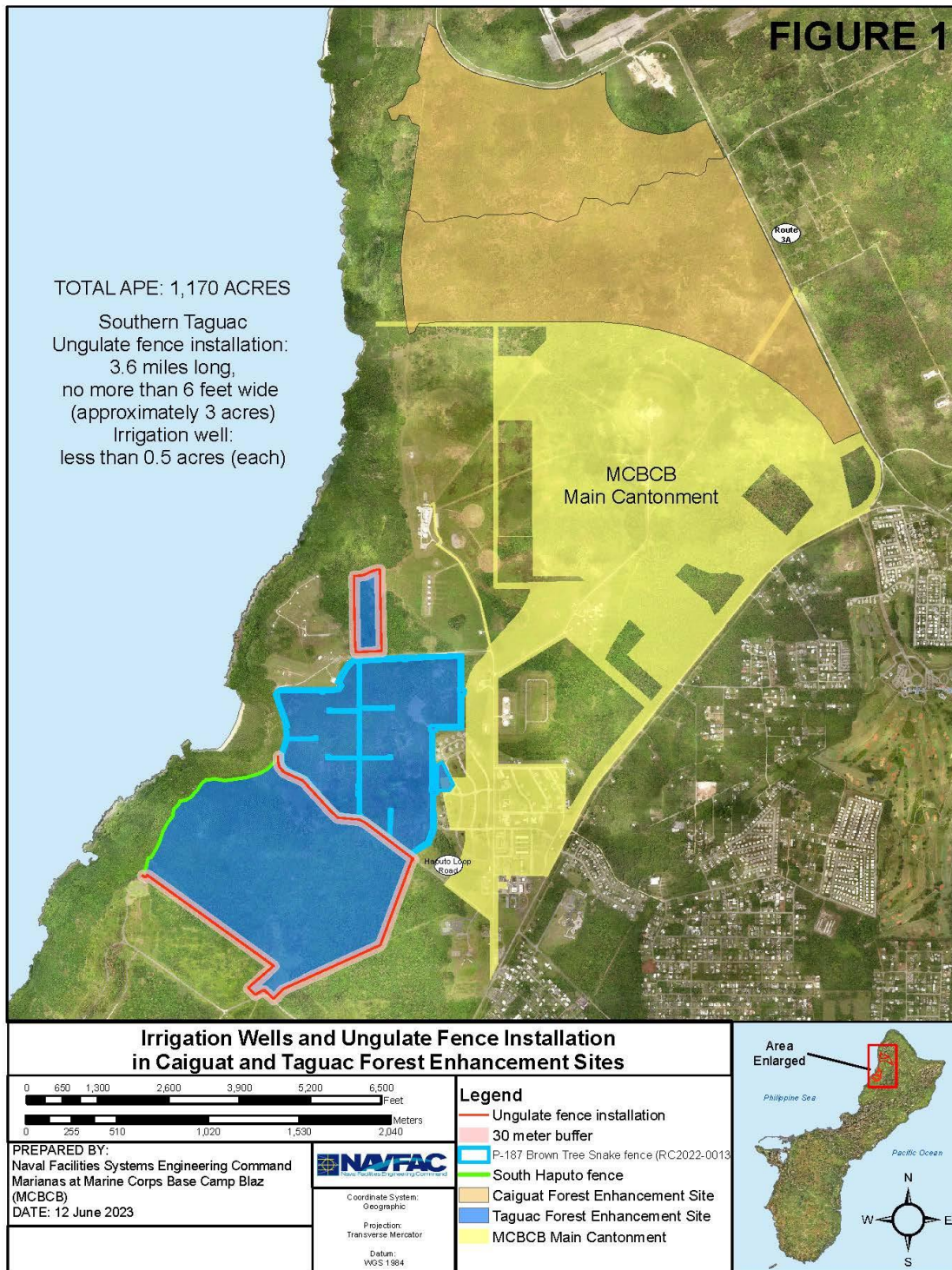
refuge, but outside of the Surface Danger Zone of the live-fire range on the plateau overlooking Ritidian Point. The existing facility will be demolished, cleared and planted in native vegetation. The buildings currently used by USFWS were originally constructed by Navy as part of an underwater sensor station to detect movement of submarines.

- Ritidian is among the most sensitive locations on Guam for archeological resources.
- Careful planning is required to avoid or minimize adverse effects to those resources.
- MCBCB began consultations with Guam SHPO in February 2022.
 - 2/25/2022: SHPO reviewed the Work Plan for initial investigations to identify historic properties in the APE and provided comments and recommendations.
 - In May 2022, SHPO commented on a revised work plan.
 - In June 2022, SHPO concurred with a revised work plan addressing their comments.
 - 8/19 2022: Archeological survey fieldwork was completed
 - 11/17/22: Draft Technical Report delivered to MCBCB
 - 12/2/2022: Site Condition Assessment Report identified sources of potential impacts to historic properties near the proposed APE
- NEPA Planning for an Environmental Assessment is in progress
- Currently designing the new USFWS building to avoid historic properties

Section VI shall include maps showing the project areas and DoD project numbers, as well as any portions of the APE where sensitivity designations have been changed as a result of further identification and evaluation efforts.

NOTE: Regarding changes in sensitivity designations, footprints of projects such as J-001B and P-715/735 that were cleared and graded will become low to no probability; however, discoveries made within those areas will be considered when assigning sensitivity designations to locations in similar environments. Revised sensitivity maps are being developed by JRM.

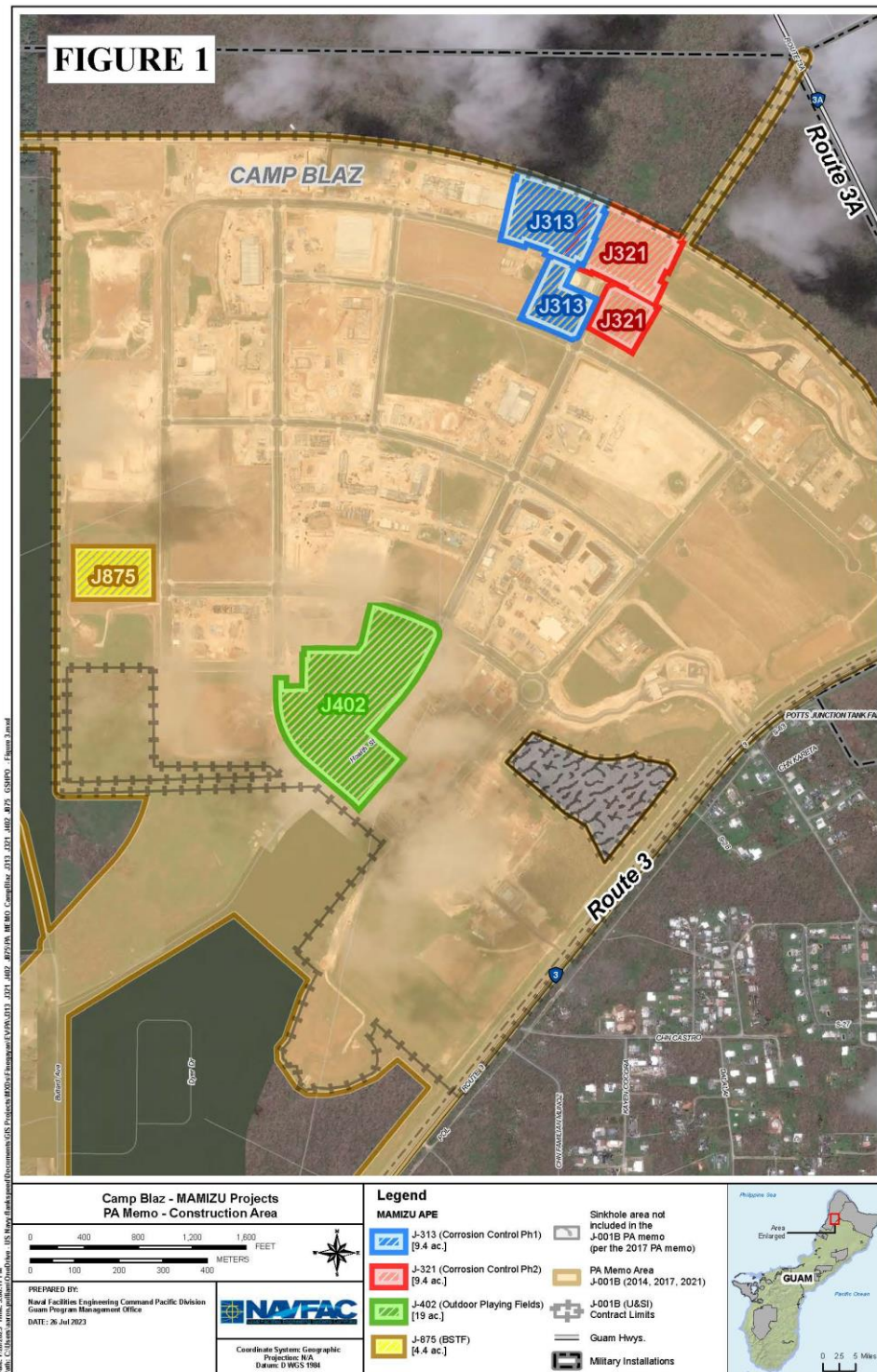
MCBCB Caguat and Taguac Forest Enhancement Sites (FES)



H-279 Military Family Housing, AAFB

FIGURE 1



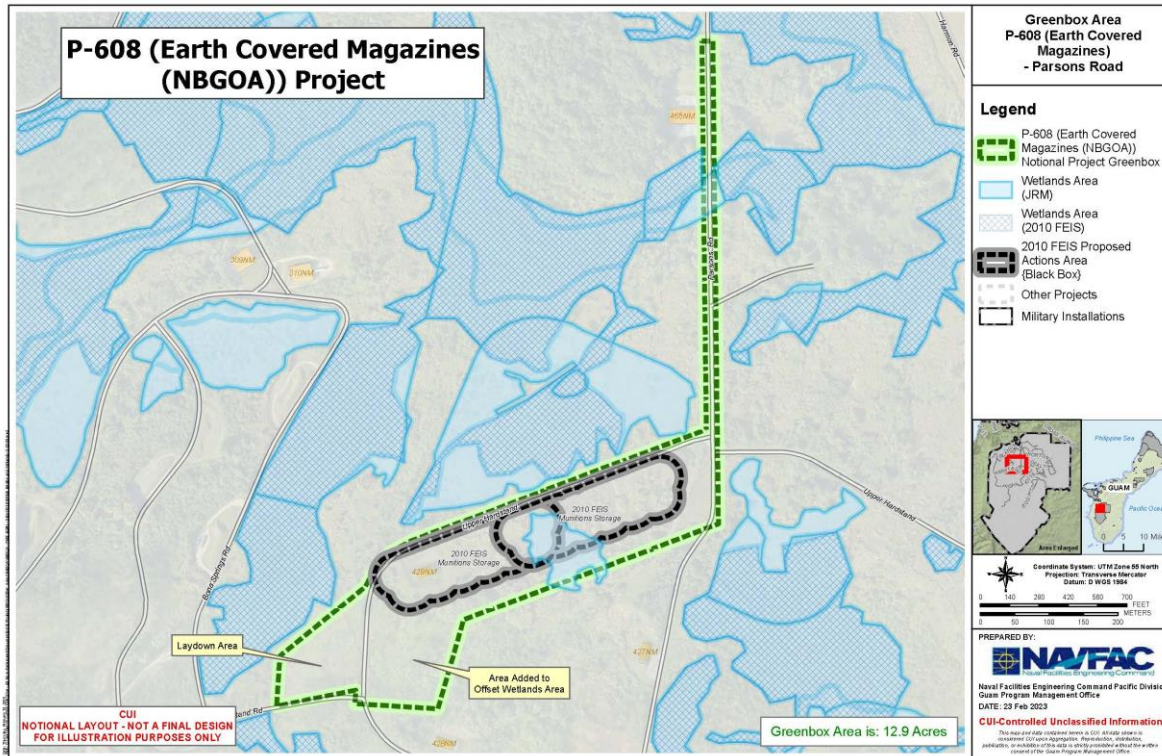




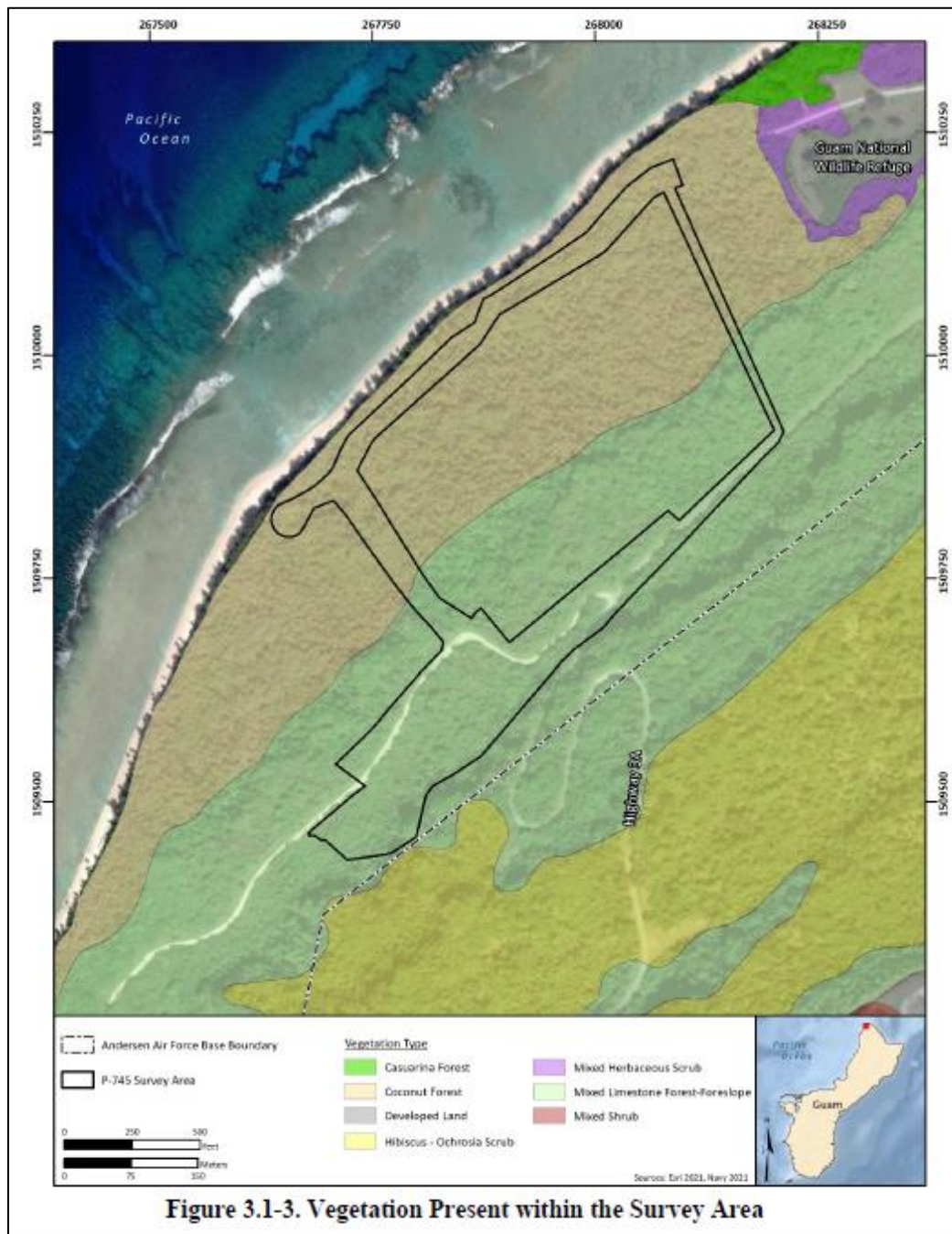
P-415 Child Development Center, Andersen Air Force Base



P-608 Design Studies for Earth Cover Magazines and Ordnance Pad



P-745 Relocation of US F&W Facility at Ritidian



Section VII of this annual report shall include the results of all dispute resolution efforts under Stipulation XIII.

No new disputes were initiated during the reporting period.

P-715 Live Fire Training Range Complex (RC 2019-0131)
<ul style="list-style-type: none"> Archeological monitoring in P-715 had concluded with the completion of construction prior to the reporting period.

J-001B Utilities and Site Improvements (RC 2014-0625)
<ul style="list-style-type: none"> Archeological monitor continued to provide weekly reports. By the end of this reporting period, monitor schedule was reduced to part time, due to decrease in activities requiring monitoring. <ul style="list-style-type: none"> Monitor remained on call throughout the reporting period; however, ground disturbances requiring monitoring were not occurring on most days. Monitors assisted in pre- and post-Typhoon Mawar activities to secure and protect HR locations. They also participated in site clean-ups related to the typhoon. Monitor assisted archeological crews working at HR locations. Monitor acted as a liaison between archeological team and GOJV regarding fencing maintenance, measures to protect HR locations from frequent heavy rains, and providing access to areas

P-103 Water Well Construction (RC 2016-0122)
<ul style="list-style-type: none"> Construction of the water well field development project is currently underway and is being monitored per the 2018 agreement No archeological sites have been defined; however, one possible human bone fragment was discovered; SHPO was informed and the location was fenced pending further investigation. <ul style="list-style-type: none"> February 2023: Investigation of the location was completed, producing only confirmed deer bones.

P-735 Multi-purpose Machine Gun Range (RC 2019-0053)
<ul style="list-style-type: none"> Archeological monitoring continues in at NW Field, Andersen AFB. <ul style="list-style-type: none"> Monitors are present in the construction area per the 2020 agreement. No new discoveries of sites or HSR were made during this reporting period.

J-755 Urban Training Complex (Construction Phase) (RC 2013-1101)
<p>Archeological Monitoring continues in J-755.</p> <ul style="list-style-type: none"> Monitors documented and collected a few isolated artifacts as they monitored these activities: <ul style="list-style-type: none"> Monitors assisted in pre- and post-Typhoon Mawar activities to secure and protect HR locations. They also participated in site clean-ups related to the typhoon.

- Fence installation at various locations,
- Repairs of Protective Fences around locations pending archeological investigations,
- Monitoring of Project P-51 construction along road within Urban Training Complex
- June 2023: MCBCB notified SHPO that the archeological monitor discovered human skeletal remains fragments HR-16 that were exposed in the root mat of a fallen tree due to Typhoon Mawar. The monitor facilitated and observed the return of the remains to their original position.

Section VIII of this report will provide summary data about public access from the Access Plan.

- There were no visits to archeological sites during the reporting period.
- There were no medicinal collections or seed collections for the public during the reporting period.

APPENDICES

- A. Archeological Discoveries
- B. Discoveries of Human Remains

APPENDIX A: TABLE OF ARCHEOLOGICAL SITE DISCOVERIES (POTENTIAL HISTORIC PROPERTIES)

DATE	DISCOVERY (AREA) NUMBER	POTENTIAL ARCHEOLOGICAL AREA, DESCRIPTION UPON DISCOVERY All discoveries are fenced/flagged, notifications are sent to appropriate authorities, with construction paused in the immediate vicinity of the archeological find (construction work continues elsewhere).
MILCON P-715		
3/19/2019	P-715-001	Surface scatter of Latte Period ceramics at NE corner of KDRR discovered during pre-clearing recon of area
5/8/2019	P-715-002	Ca. 400 Latte Period ceramic sherds in stump pull in SE corner of KDRR near a previously data recovered site
6/3/2019	P-715-003	Large surface artifact scatter running SW to NE across KDRR
6/12/2019	P715-004	Small area with artifact scatter, including <i>lusong</i> (mortar) and 100+ ceramic sherds located in the range road between pistol range and MRFR
7/16/2019	P-715-005	Latte Period ceramic scatter including rim sherds, an extension of a previously data recovered site 66-08-2530 in MRFR
7/29/2019	P-715 Areas 5A and 5B	Areas in SE and SW sides of MRFR. Variety of surface artifacts and dark stains assumed to be indications of subsurface cooking pits
10/15/2019	P-715-006	Possible fire feature, later ruled out
MAMIZU J-001B		
12/5/2018	J-001B-001	Archeological surface scatter and possible cooking pits
1/21/2019	J-001B-002	Archeological surface scatter, stone tools, ceramics suggest potential prehistoric habitation site. Presence of late 19th century bottles and ceramics
5/23/2019	J-001B-003	Immediately adjacent to north and east boundaries of 66-08-2303 (Magua Settlement Site) and are almost certainly part of that sites. Features (probable cooking pits) are visible in both areas
5/29/2019	J-001B-004	
6/3/2019	J-001B-005	Dark soil feature (possible cooking pit) located some distance east and north of 66-08-2303; not geographically part of the Magua site. Included in notification to SHPO for 003 and 004
7/18/2019	J-001B-006	Latte Period ceramic scatter, lithics (stone tools), fire affected soil, metal, glass, boot sole and boar tooth. Geographically distant and north of 66-08-2303.
8/18/2019	J-001B-007	Latte Period ceramics, lithics and fire affected soil (probable indicators of cooking pits). Located between 66-08-2303 and Discovery Area J-001B-006.
10/2/2019	J-001B-008	Latte Period ceramics, lithics, and fire affected soil. Modern glass present on surface.
6/1/2020	J-001B-009	Area E, surface scatter of 50+ latte ceramic sherds, a broken <i>lusong</i> , marine shell (<i>tridacna</i>) and volcanic stone fragments

8/19/2020	J-001B-010	Surface artifact scatter and three soil stains with fire affected limestone pebbles in an area approximately 30 x 80 meters in Area E.
3/31/2021	J-001B-011	More than 20 features within an area of approximately 100 x 150 meters in the western portion of Area D. Several of the features are black soil stains that contain burned coconut shell, fire affected limestone pebbles, and surface artifact scatters.
MAMIZU J-755		
3/19/2020	J-755-001	Latte Period ceramics, stone tools, slingstone in Convoy Vehicle Operator Course (CVOC) at western end of Andy South
3/25/2020	J-755-002	100+ ceramic sherds in 100 X 20 meter part of perimeter fence corridor in southern Andy South
4/2/2020	J-755-003	Latte Period ceramic scatter and surface stain that may represent combustion feature (CVOC)
5/1/2020	J-755-004	30-40 ceramic sherds, slingstone, pestle and indeterminate lithic fragments (CVOC)
5/4/2020	J-755-005	Latte Period ceramics, slingstone, stone tool fragments, possible latte elements (CVOC)
5/15/2020	J-755-006	Ca. 90 ceramic sherds, two slingstones, groundstone fragment, two features, faunal and human bone (HSR)
5/19/2020	J-755-007	Ca. 50 ceramic sherds, groundstone fragments, slingstone, marine shell (CVOC)
5/28/2020	J-755-008	Latte ceramics, ground stone fragment and soil stain (CVOC)
6/4/2020	J-755-009	30+ ceramic sherds, ground stone fragments, marine shell, flaked stone tool, soil stain (CVOC)
6/10/2020	J-755-010	Dark soil stains, possible <i>lusong</i> fragment, ground stone tool fragments and ca. 30 ceramic sherds (CVOC)
6/10/2020	J-755-011	25+ ceramic sherds, three soil stains (possible features), ground stone tool fragment and marine shell (possible worked tridacna shell) (CVOC)
7/14/2020	J-755-012	Surface scatter of 80-100 ceramic sherds, 7 groundstone tools or fragments and three soil stains (potential features) were found in an 80 x 120 meter area at the SE edge of the hand grenade range.
8/20/2020	J-755-013	Surface scatter of ceramics and lithics in an area 45 x 75 meters (CVOC)
12/15/2020	J-755-014	Approximately 15x20 meters wide consisting of a surface scatter of Latte Period ceramics, marine shells, lithic tool fragment (CVOC)
6/4/2021	J-755-015	Approximately 50x20 meters wide containing at least 4 soil stain features and surface scatter of multiple artifact classes; located south of CVOC
6/22/2021	J-755-016	Approximately 40x20 meters wide containing 2 thermal features, groundstone, and at least 25 pre-contact ceramic sherds; located south of CVOC
8/3/2021	J-755-017	Width of corridor (20m) by ca 60 meters known size; contains at least two thermal features thought to represent earth oven and ca. 25 ceramic sherds.

8/21/21	J-755-018	Area is approximately 15 meters X 54 meters containing a surface scatter of stone and shell tool fragments, ceramic sherds and a human bone fragment (HR7).
12/8/21	J-755-019	Dark soil stain approximately 20 meters long running along west perimeter fence corridor. Feature contains pre-contact ceramics and ground stone tool fragments. Archeological investigations determined that this dark soil is a secondary deposit; however, a combustion feature was discovered in one of the shovel tests placed in the area.
2/11/2022	J-755-020	12 X 25 meter area in the east perimeter road corridor that contains four concentrations of ceramic sherds and at least three (3) possible combustion features.
3/25/2022	J-755-021	5 X 25 meter area in Road M east of J-755-017. Two soil stains, with fire affected coral and ceramics and human skeletal remains are present.
MILCON P-290		
1/05/2023	P-290-001	Several dark soil stains with a concentration of fire affected coral limestone, Latte Period pottery, and human skeletal remains.
END OF RECORD (JUNE 30, 2023)		

APPENDIX B: DISCOVERIES OF HUMAN REMAINS

J-001B (HR-1 and Area D)	
<p>Burials at J-001B Area D HR sites: HR-20, HR-12; HR-11, HR-22, and HR-25 are being preserved in place. Due to the location of HR-13 and HR-24 to these sites, HR-13 and HR-24 will be preserved in place along with the 5 sites with burials.</p> <ul style="list-style-type: none"> • 11/30/2022: MCBCB leadership selected that Course of Action (COA) following the 30 NOV 22 brief. • 12/14/2022: JRM to confirmed COA following brief. • The project redesign to follow will result in those areas plus HR-13 and HR-24 being preserved in place. • Planners have already developed a draft revised perimeter fence alignment to exclude those areas from the future 9th ESB compound. Archeological contractor began preparing burials at HR-12 and HR-20 for preservation in place on 12 DEC, completed on 13 JAN and began working the other areas 	

DATE	DISCOVERY NUMBER	Potential Human Remains Description Upon Discovery	SHPO Formal Notification
MILCON P-715			
9/20/2019	P-715-HR-1	Splintered fragments of human humerus, disturbed context of cleared area. Initial screening for preliminary investigation concurred on by SHPO to be performed by P-715 sub-contractor archeological firm (in scope under data recovery mod). Preliminary investigation identified 22 fragments of HSR in 1 x 1 meter unit. HSR included cranial fragments, mandible fragment and two teeth.	9/25/2019
9/26/2019	P-715-HR-2	Splintered fragments of human ilium and fibula, disturbed context of cleared area.	9/30/2019
10/2/2019	P-715-HR-3 P-715-HR-4	Two splintered fragments of human tibia, disturbed context of cleared area within same recovery area.	10/9/2019
10/11/2019	P-715-HR-5	Grid AU106: 26 fragments of HSR found, majority cranial fragments with femur and other long bones	10/18/2019
10/15/2019	P-715-HR-6	Grid AM116: three long bone fragments	10/18/2019
10/29/2019	P-715-HR-7	Grid AS112: two long bone fragments	10/30/2019
10/29/2019	P-715-HR-8	Grid AS 110: cranial and long bone fragments, teeth	10/30/2019
11/15/2019	P-715-HR-9	P-715-005B: 2 cm x 2 cm cranial vault fragment with smaller related pieces	11/18/2019
MAMIZU J-001B			
1/9/2020	J-001B-HR-1	Incised tooth was discovered during data recovery in discovery area J- 001B-002. Tooth was found in Grid AG26. Discovery	1/24/2020

		triggered further investigations per procedure agreed upon in consultation with SHPO.	
3/9/2020	J-001B-HR-2	Grid Q20, within 66-08-2303: cranial fragments, fragments of long bones tentatively identified as radius and ulna.	3/12/2020
3/25/2020	J-001B-HR-3	Within 66-08-2303: single small fragment of human cranium on graded surface	4/15/20 delay due To COVID
5/29/2020	J-001B-HR1-BR1	While following the SOPs, the archeologists encountered an in-situ burial. This was designated as Burial 1. Consultation with SHPO resulted in concurrence to expose, but not remove the remains in an effort to determine age and ethnicity.	6/5/2020
6/3/2020 confirmed 6/4	J-001B-HR-4	Grid N19, Data recovery area J-001B-003: single small fragment of human cranium on graded surface	6/9/2020
6/23/2020	J-001B-HR-5	Human ulna fragment found in Grid Q17 within 66-08-2303 (Mågua Settlement Site)	7/2/2020
7/15/2020	J-001B-HR1-BR2 and BR3	Pit feature containing fragments of human bone representing at least two individuals.	7/20/2020
7/17/2020	J-001B-HR1-BR4	These remains are believed to represent a disturbed burial due to their proximity to Burials 1-3. This was designated as Burial 4.	7/28/2020
8/10/2020	J-001B-HR-6	Human femur fragment found in Grid AH21, located in Area E	8/17/2020
8/18/2020	J-001B-HR-7	Human cranium fragment found in Grid AF22, located in Area E	8/24/2020
8/21/2020	J-001B-HR-8	Human tooth found in Grid AE22, located in Area E	8/24/2020
9/29/2020	J-001B-HR-9	Femur fragment at Area E.	10/1/2020
12/29/20 Confirmed as HSR 1/4/21	J-001B-HR-10	Single bone fragment on surface within ungulate fence corridor. Following notification, archeological investigation (underway as of 3/26/21) has discovered additional fragments in the area.	1/4/2021
2/4/2021	J-001B-HR-1	Additional human skeletal remains were discovered in a non-burial context while monitoring work for the Sabanan Fadang burial monument.	2/10/2021
4/13/2021	J-001B-HR-11	Midshaft long bone and smaller fragments; partial mandible with two intact molars at Area D. Additional burials	4/16/2021

		were later found during the investigation at HR-11; all will be preserved in place.	
5/13/2021	J-001B-HR-12	Human cranial fragment at Area D	5/17/2021
	J-001B-HR-12-BR1	Primary burial context with only portions of the lower elements of the lower limbs remaining. The human remains appear to be from the same individual. The presence of one potential betel nut-stained tooth, Latte Period ceramics and lithics suggests CHamoru ancestry.	10/13/2021
5/17/2021	J-001B-HR-13	Approximately 20 small fragments of humerus at Area D	5/25/2021
5/20/2021	J-001B-HR-14	3 small human bone fragments, including an intermediate phalange at Area D	6/1/2021
5/26/2021	J-001B-HR-15	Medial femur fragment at Area D	6/1/2021
6/3/2021	J-001B-HR-16	Human cranial fragments at Area D	6/3/2021
6/11/2021	J-001B-HR-17	Human tibia midshaft fragment at Area D	6/22/2021
6/11/2021	J-001B-HR-18	Small human fibula mid-shaft fragment at Area D	6/22/2021
5/20/2021	J-001B-HR-19	Isolated fractured human incisor discovered during wet screening in the lab (post-excavation) at Area D	6/29/2021
5/27/2021	J-001B-HR-20	Very small indeterminate bone fragments, including less than 1cm distal phalanx discovered during wet screening in the lab (post-excavation) at Area D	6/29/2021
	J-001B-HR-20-BR1	Multiple remains, including an adult and sub-adult, within undulating limestone. The presence of potential betel nut-stained teeth, Latte Period ceramics and Tridachna shell, and absence of historic material suggests that the historically-disturbed burial dates to the Latte Period.	9/21/2021
6/2/2021	J-001B-HR-21	Isolated human molar at Area D	6/29/2021
	J-001B-HR-22-BR-1 and BR-2	Burial 1 (12/30/2021): three concentrations of human skeletal remains. Two concentrations were disturbed to the extent that they were not considered to represent in-situ burials. The third, although disturbed, represents a partially in-situ burial. Burial 2 (2/11/2022 SHPO): concentrations of human skeletal elements seemingly overlying intact elements in anatomical position, as well as elements in anatomical position which may also be somewhat	BR-1: 1/3/2022 BR-2: 2/16/2022

		displaced. There are at least 3 individuals observed.	
7/6/2021	J-001B-HR-23	Approximately 50 or more various bone fragments	7/22/2021
8/19/2021	J-001B-HR-24	One (1) human tooth during wet screening of a data recovery unit	8/27/2021
8/24/2021	J-001B-HR-25	One (1) human clavicle during routine monitoring	9/7/2021
	J-001B-HR-25-BR-1	Portions of articulated cranial and thoracic vertebral elements, clavicles, and ribs with associated lower limbs appear to be from one (1) adult individual.	12/2/2021
9/4/2021	J-001B-HR-26	Two (2) HSR fragments, specifically proximal ends of a radius and ulna, due northwest of prior discovery Area 3	9/9/2021
MAMIZU J-755			
5/15/2020	J-755-HR-1	HSR fragments identified in Discovery Area J-755-006	5/21/2020
11/5/2020	J-755-HR-2	HSR consisting of scapula and femur fragments at CVOC area. Disturbed context	11/12/2020
1/6/2021	J-755-HR-3	Human bone fragments consisting of patellae, scapula, rib, phalange, and 20 small unidentified fragments	1/7/2021
1/13/2021	J-755-HR-4	Approximately 25 fragments of human skeletal remains discovered during data recovery investigations Discovery Area J-755-006 (Area 6)	1/20/2021
5/11/2021	J-755-HR-4-BR1	Remains consist of articulated leg bones, possibly representing more than one individual and additional fragmented bones that may be associated with the burial.	5/17/2021
3/15/2021	J-755-HR-5	Multiple fragments of human skeletal remains including metatarsal, cranial fragments, teeth and fragments of long bones	3/17/2021
8/18/2021	J-755-HR-6	Human cranial fragment discovered in Area 16 (southern perimeter fence corridor.	8/27/2021
8/24/2021	J-755-HR-7	Probable human femoral fragment discovered in southwestern perimeter fence corridor.	8/27/2021
8/26/2021	J-755-HR-8	Fragmentary human skeletal remains found in Discovery Area 17.	9/9/2021
10/15/2021	J-755-HR-9	Fragmentary human skeletal remains found in Discovery Area 17.	10/25/2021

1/21/2022	J-755-HR-10	Fragmentary long bone fragment believed to be human	1/28/2022
2/4/2022	J-755-HR-11	Two probable HSR fragments found in a push pile	2/4/2022
2/17/2022	J-755-HR-12	Human femur and other bones, probable burial outside construction APE	2/22/2022
2/28/2022	J-755-HR-13	Weathered bone scatter that included fragments of femur and tibia	3/3/2022
3/28/2022	J-755-HR-14	Weathered bone fragments including tibia fragment believed to be human	3/30/2022
12/6/2022	J-755-HR-15	Probable femoral fragments and other bone fragments	12/9/2022
2/9/2023	HR-15 Burial 1	Fragmented remains	2/22/2023
2/28/2023	HR-15 Burial 2	Leg bones and fragmented remains	3/2/2023
3/17/2023	HR-15 Burial 3	Leg, pelvis, hand, and foot bones and other fragmented remains	3/22/2023
6/06/2023	HR-16	Fragmented arm bone and other fragmented remains	6/06/2023
MAMIZU J-006			
3/19/2019	J-006-HR-1	Human femur Fragment discovered in fill	3/19/2019
4/3/2019	J-006-HR-2	Human clavicle fragment discovered in fill	4/3/2019
4/16/2019	J-006-HR-3	Human longbone fragment discovered in fill	4/18/2019
5/9/2019	J-006-HR-4	Human radius fragment discovered in fill	5/10/2019
MILCON P-103			
10/7/2013	P-103-HR-1*	In-situ human remains were discovered in burial context during shovel testing, exposed in effort to determine age and ethnicity in consultation with SHPO, but not removed, preserved in place. Determined to be Latte Period adult.	10/08/2013
10/8/2013	P-103-HR-2*	Disarticulated human skeletal remains (tarsals) were encountered during shovel testing near HR-1, test was expanded in effort to determine if other bones were present but no other bones were found. Bones were reburied where found per consultation with SHPO.	10/9/2013
Oct 2013	P-103-HR-3*	Human skeletal remains (adult Latte Period individual of moderate stature) were discovered in burial context during shovel testing. Consultations with SHPO resulted in reburial without removal.	Oct 2013
Oct 2013	P-103-HR-4*	Fragmentary remains of adult Latte Period individual were discovered during shovel	Oct 2013

		testing. Remains were buried in place per consultation with SHPO.	
Note that the four discoveries listed above were discovered during planning surveys. Project P-103 was subsequently designed to avoid these locations and all eligible sites. They do not fall within the current project APE.			
1/25/2023	P-103-HR-1	Discovered by construction monitor, HR-1 consists of a single weathered bone fragment; SOP investigation did not produce additional bones.	1/25/2023
MILCON P-290			
12/23/2022	P-290-001 HR-1	2 cranial fragments discovered on the ground surface after clearing and grubbing and a lift occurred.	12/27/2022
4/27/2023	P-290-001 HR-2	Cranial fragments discovered during survey of P-290-001	5/2/2023
6/28/2023	P-290-001 HR-3	1 cranial fragment discovered at bottom of a shovel test probe.	6/30/2023
Construction began in late 2022. MCBCB is providing site checks per Stipulation VI.F of the 2011 Programmatic Agreement. A contracted monitor is planned when construction resumes in discovery investigation areas.			
MILOCN P-735			
8/28/2021	P-735-HR-1	74 probable human skeletal remains from a shovel test pit associated with archeological survey. Preliminary analysis identified some of the probable human remains to be from an ulna, cranial vault, and at least two from forearm mid-shafts within disturbed soils.	8/30/2021
PRE-CONSTRUCTION ARCHEOLOGICAL SURVEY AND SUBSURFACE INVESTIGATIONS IN SUPPORT OF J-001B			
N/A	J-001B-site 2303 Initial investigations	Laboratory Analysis Findings Surface collection: adult frontal bone (1 fragment) Trench 1, F26: adult forearm and humerus fragments (3 fragments) Trench 3, F27: long bone shaft fragment (1 fragment)	Report Jan 2017
N/A	J-001B-site 2305 initial investigation	Laboratory Analysis Findings F6: Forearm and humerus fragments (3 fragments)	Report Jan 2017
8/14/2016	J-001B Site 2307	EU1/F1: Field discovery of fragment of human clavicle	8/17/2016
N/A	J-001B-Site 2308 initial investigation	Laboratory Analysis Findings F1: Adult human long bone fragments (19 fragments)	Report Jan 2017
END OF REPORT JUNE 30, 2023			