



DEPARTMENT OF THE AIR FORCE
50TH SPACE WING (AFSPC)

13 May 2011

Major Marty W. Easter
Commander
Det 3, Kaena Point Satellite Tracking Station
P.O. Box 868
Waianae HI 96792-0868

Pua Aiu, Ph.D.
Hawai'i State Historic Preservation Division
601 Kamokila Blvd., Rm.555
Kapolei, Hawaii 96707

Dear Dr. Aiu

As required by the National Historic Preservation Act, Section 106, Kaena Point Satellite Tracking Station (KPSTS) requests your review and concurrence regarding the following undertaking and determination of "no adverse effect" (see Atch 1, Sections I and II). The proposed undertaking would be conducted at Building 10, which was constructed in 1959.

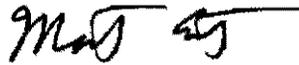
The Air Force has determined that KPSTS is potentially eligible for listing on the National Register of Historic Places (NRHP) as a district, since it likely meets Cold War Criteria "b" and NRHP Criteria "a" – specifically, for its role as one of many satellite tracking stations in the Air Force Satellite Control Network (AFSCN) during the Discoverer/CORONA program and its contribution to the overall intelligence gathering during the Cold War. On its own, KPSTS did not have a more significant role than any other AFSCN tracking station. The KPSTS district possesses a concentration of buildings, structures, etc., united historically or aesthetically by plan or physical development. However, the buildings and structures on KPSTS do not exhibit significant architectural or engineering features. Building 10 is among the operational facilities that were constructed during the Discoverer/CORONA Program era and were likely to have contributed to the success of the program.

The undertaking would replace, in-kind, the Building 10 storefront and remove obsolete HVAC ducts from the roof. Building 10 was constructed in 1959 and has undergone major renovations since then. Substantial additions to the north and west portions of the building were constructed in 1962. The storefront was added in 1993. The HVAC ductwork was added to Building 10 in 1963 and does not contribute to its architectural significance. A project site map, layout, and photos are provided.

We respectfully request your concurrence that the proposed undertaking will have "no adverse effect" on potentially historic cultural resources because the nature of the work to be conducted replaces building components that are of recent construction.

Questions should be directed to Mr. Lance Hayashi at (808) 697-4312, by email to lance.hayashi@kaenapt.af.mil or mailed to the KPSTS address indicated above.

Sincerely

A handwritten signature in black ink, appearing to read 'Marty W. Easter', with a horizontal line extending to the right.

MARTY W. EASTER, Major, USAF

Attachments:

1. Section 106 Consultation Request
2. Project Site Map
3. Project Site Layout
4. Photos

ATTACHMENT 1 – SECTION 106 CONSULTATION REQUEST

**UNDERTAKING: RENOVATE STOREFRONT and
REMOVE ROOFTOP HVAC DUCTS - BUILDING 10**

**KAENA POINT SATELLITE TRACKING STATION (KPSTS)
U.S. AIR FORCE SPACE COMMAND
(Proponent)**

**NATIONAL HISTORIC PRESERVATION ACT COMPLIANCE REQUEST
FOR SECTION 106 REVIEW AND CONCURRENCE**

SECTION I (Information from Proponent of Undertaking)

- A. TITLE OF UNDERTAKING: Building 10 Storefront Renovation and HVAC Duct Removal at USAF Kaena Point Satellite Tracking Station (KPSTS).
- B. PROPOSED START DATE: June 16, 2011
- C. LOCATION: The project site is KPSTS Building 10 as depicted in attachments 2 - 4.
- D. DESCRIPTION OF PROPOSED UNDERTAKINGS:

Work on Building 10 would include:

(1) Replace/renovate the main entryway glass storefront with renovations capable of withstanding the design wind speed at KPSTS. Install cipher lock system. Modify the existing handrail along the entryway stairs and landings, and install a second parallel handrail opposite the existing handrail in order to meet federal Occupational Safety and Health Administration (OSHA) and Americans with Disabilities Act (ADA) requirements. Resurface stairs, landings and sidewalks leading to the entryway with epoxy or similar coating.

(2) Remove old air conditioning (HVAC) ducts from the south half of the roof. The roof penetration would be patched/covered in accordance with the existing design (1997 roof repair project). The operational fresh air intake would be repaired as-needed.

Building 10 was constructed in 1959, with multiple additions and renovations being conducted between 1963 through 2000. The changes to this building include the following significant work:

- added a basement and building wing in 1963;
- renovated the storefront, including new door, in 1993;
- installed new HVAC and ductwork in 1963, 1981 and 2000;
- installed new roofing in 1980
- added new break room in 1980

Most of the building is currently used for administrative offices; communications are conducted in the addition.

STOREFRONT: The building's existing glass storefront is not rated to withstand design wind speeds at KPSTS. Removal of the sidewalk's pebble surface will allow most of the existing handrail to remain. A safety inspection resulted in a finding that, after the pebble surface was installed in 1993, the thickness of the new surface reduced the rail's height to below the federal OSHA minimum standard for personnel safety.

HVAC DUCTS: The existing ducts are no longer being used or maintained. The ducts are deteriorating due to their age, winds and corrosion, and are causing leaks into various offices, hallways and rooms. If the ducts are not removed and capped, internal components such as ceiling tiles, carpeting, furniture, structural components and equipment will continue to be damaged by rain water.

The proposed undertaking to renovate Building 10's storefront and remove the HVAC ducts will improve personnel and facility safety, comply with safety, occupational health, and accessibility standards, enable the continued use of this building for office space and ensure that the building will be structurally sound and weatherproof. All work related to this undertaking shall occur within and immediately adjacent to Building 10 (see attachments 2-4). A summary of the proposed undertaking's tasks is outlined below:

1. Renovation, Handrails and Stairs/Landings

Storefront Renovation:

1. Replace existing glass storefront (approx 8.5' high by 16' long) with new glass storefront. Ultraviolet-filtering glass shall be used
2. New storefront shall have double doors.
3. Storefront shall be rated for 105 miles per hour or greater wind speeds or equivalent pressure rating
4. A minimum of one door shall be secured with a cipher lockset
5. Provide and install etched glass decals on the glass doors, one with the Air Force Space Command logo/patch, and the other with the KPSTS (HULA) patch.
6. Disconnect and terminate the doorbell wiring. Doorway will not have a doorbell.
7. Demolition as required.

Modify Handrails

1. Modify existing handrail along stairs and landings and install second handrail parallel to the existing handrail, to meet all applicable OSHA and ADA requirements
2. Determine if lead-based paint (LBP) is present; abate any LBP identified.
3. Paint, as required, the existing, modified and new handrails
4. Demolition as required.

Repair Stairs and Landings

1. Remove pebble surface from stairs, landings and sidewalks and step just prior to entryway.
2. Replace any severely damaged concrete.
3. Remove asphalt sidewalk at bottom of stairs (approx 5'x 10' area) and replace with concrete sidewalk

4. Clean and seal joints if necessary
5. Apply epoxy or similar approved coating where the pebble surfacing was removed.

2. Remove HVAC Ducts

1. Determine if asbestos or lead-based paint (LBP) is present; abate as needed.
2. Remove existing supply air ductwork on roof
3. Remove existing exhaust fan on roof
4. Remove duct through roof
5. Remove existing return air ductwork on roof
6. Remove duct supports
7. Protect all existing roofing elements, repair if needed

SECTION II (Information from the Environmental Planning Office)

A. IDENTIFY HISTORIC RESOURCES

1. ARCHITECTURAL FEATURES:

Building 10 was constructed in 1959 according to USAF Real Property records and engineering drawings. There are no records of a building assessment for historical significance or as a potential Cold War resource.

2. ARCHAEOLOGICAL FEATURES and VISUAL IMPACTS:

According to the Integrated Cultural Resource Management Plan for KPSTS (ICRMP), (International Archaeological Research Institute, Inc, September 2009), there are no known archeological sites of historical significance on KPSTS property or within the project location. The project will not adversely affect any archeological sites or cultural resources.

No adverse visual effects are expected from the renovation and ductwork removal. The storefront will not differ significantly from the existing structure. Absence of the deteriorated ductwork after its removal is expected to improve the overall visual aspects of Building 10.

B. DETERMINE POTENTIAL EFFECT

The area of potential effect for the proposed undertaking will be at Building 10 and the adjacent parking lot while work is being accomplished. Since work on this project will be conducted entirely within and upon Building 10, the likelihood of human remains or other archaeological materials being inadvertently discovered is negligible. If such discovery were to occur, then all work in the vicinity of the discovery would stop, contractors and KPSTS personnel would take measures to help secure any remains, archaeological materials and associated context, and the State Historic Preservation Division would be notified and consulted in accordance with the ICRMP's compliance procedures and standard operating procedures.

We have determined that, pursuant to 36 Code of Federal Regulation s§800.4 (d) (1), this project will have "no adverse effect" on historic cultural resources based on the information gathered

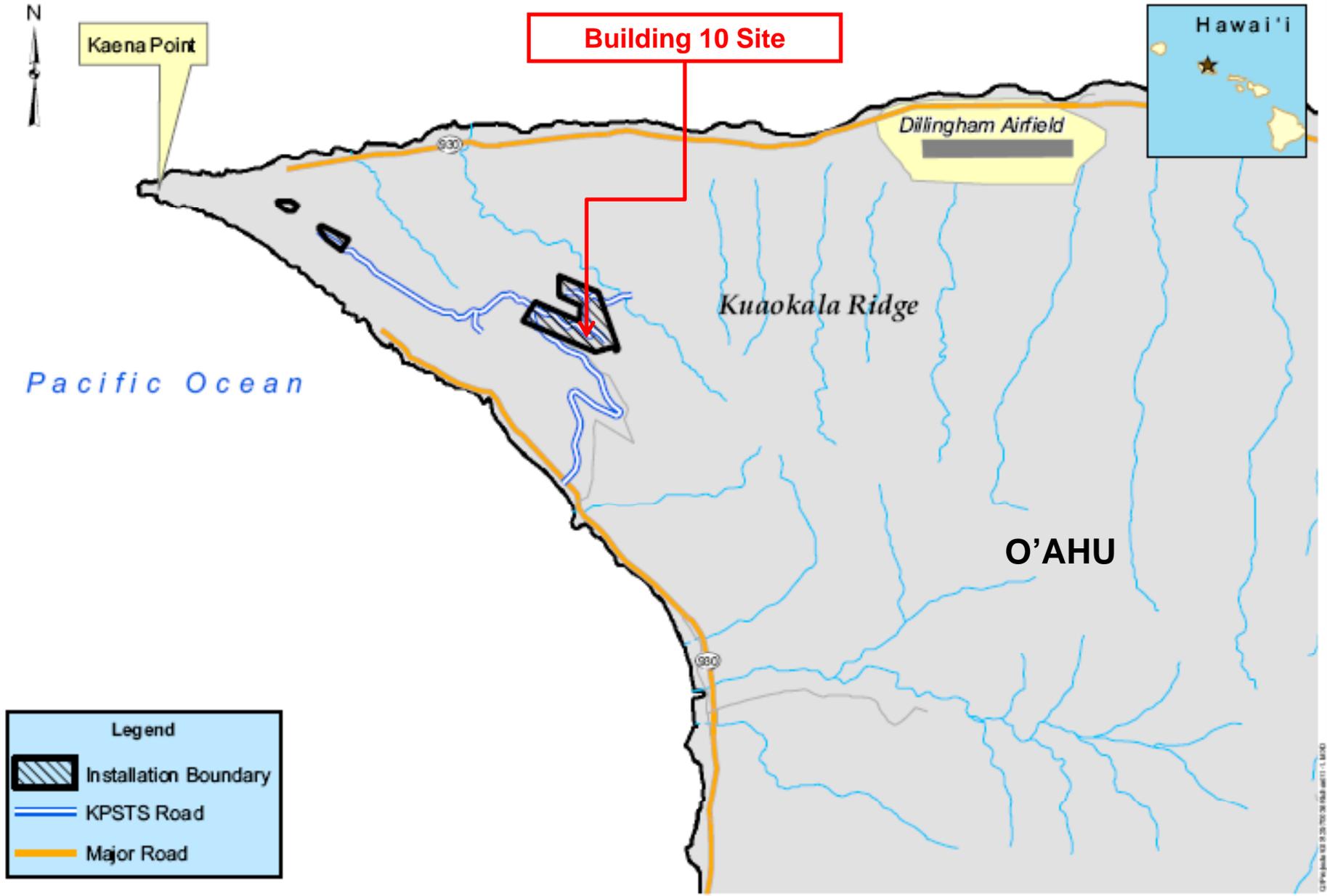
from archival documents, old maps, building plans and KPSTS' ICRMP. The activities involved in this project do not involve actions that could pose potential threats to the integrity of the architectural or archaeological resources.

SECTION III Contact Information

For further information you may contact Mr. Lance Hayashi at 697-4312 or via email lance.hayashi@kaenapt.af.mil.

ATTACHMENT 2

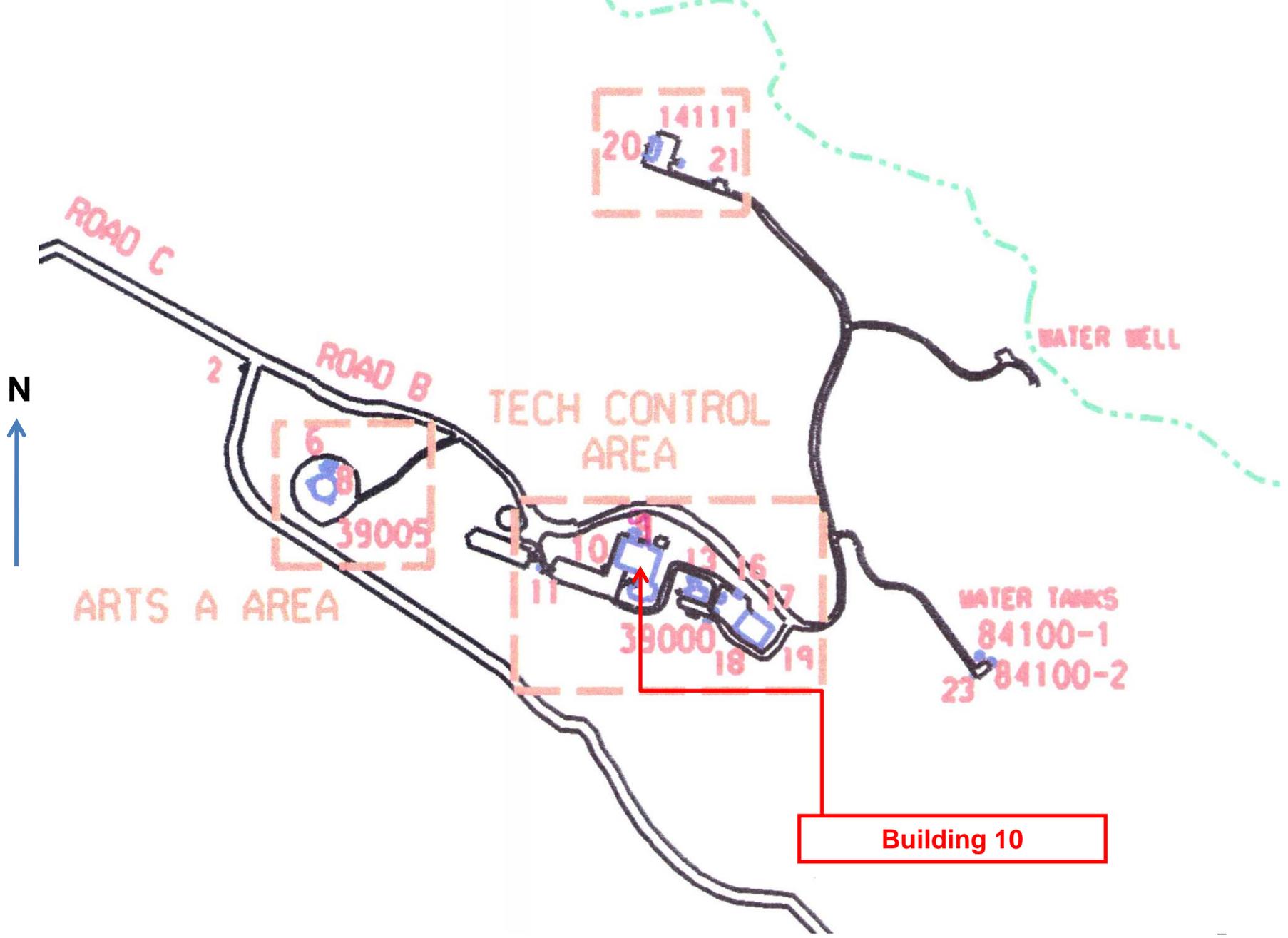
PROJECT SITE MAP



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ATTACHMENT 3

BLDG 10 – PROJECT SITE LAYOUT



ATTACHMENT 4

BLDG 10 STOREFRONT AREA – PHOTOS



ATTACHMENT 4

BLDG 10 STOREFRONT AREA – PHOTOS



ATTACHMENT 4

BLDG 10 HVAC DUCTS – PHOTOS



ATTACHMENT 4

BLDG 10 HVAC DUCTS – PHOTOS

