

1 Make the following Section a part of the Standard Specifications:
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3 **SECTION 691 – ARCHAEOLOGICAL MONITORING** 4

5 **691.01 Description.** This section describes having an Archaeological Monitor hired
6 by the Contractor to be present during all ground disturbing activities at the location shown
7 on the plans and as directed by the Engineer.
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9 An archaeological monitoring plan prepared by Pacific Consulting Services, Inc. has been
10 submitted and written acceptance with comments has been provided by the State
11 Department of Land and Natural Resources, State Historic Preservation Division (SHPD).
12 Copies of the accepted archaeological monitoring plan are on file at the office of the
13 Engineer.
14

15 **691.02 Materials.** None.
16

17 **691.03 Construction.** Actual onsite time and specific actions to be followed in the
18 event of inadvertent discoveries will be discussed and agreed upon by the Contractor and
19 the Archaeological Monitor at the pre-construction meeting.
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21 **(A) Selection of Archaeological Monitor.** The Contractor shall obtain the
22 services of a qualified Archaeologist or Archaeological firm to investigate
23 the sites prior to clearing and grubbing and to monitor construction activities
24 during clearing and grubbing and/or drilling and excavation activities for
25 historic remains such as artifacts, burials, concentrations of shell or
26 charcoal.
27

28 The Archaeological Monitor shall work in compliance with Hawai'i Revised
29 Statutes Chapter 6E. The Contractor is prohibited from hiring the
30 Archaeologist that has prepared the approved Archaeological Monitoring
31 Plan for this project. In addition, the Archaeological Monitor shall have an
32 active permit with the State Historic Preservation Division to provide
33 archaeological services. The SHPD Archaeology Branch maintains a listing
34 of State of Hawaii permitted archaeological firms annually. The latest list
35 can be found at the SHPD website or at the following link:
36 [https://dlnr.hawaii.gov/shpd/about/branches/archaeology/attachment/2020-](https://dlnr.hawaii.gov/shpd/about/branches/archaeology/attachment/2020-permittee-list_06/)
37 [-permittee-list_06/](https://dlnr.hawaii.gov/shpd/about/branches/archaeology/attachment/2020-permittee-list_06/).
38

39 **(B) Schedule.** The Contractor shall be responsible for ensuring that the
40 Archaeological Monitor is aware of all pertinent construction schedules and
41 that the monitor is present for all subsurface excavation activities within the
42 project area.
43

44 **(C) Archaeological Monitoring.** The Archaeological Monitor and the
45 Contractor are responsible for ensuring that on-site work is halted in an area
46 of significant findings and to protect any such find from any further damage

(i.e., construction fencing, protective covering, etc.). The SHPD Kauai office shall be consulted for recommended appropriate mitigation actions.

In the event of the discovery of human remains, work shall cease in the immediate find area. *In situ* human remains shall be left in place, and any disturbed human remains shall only be removed after written notification is received from the SHPD. The monitoring archaeologist shall be responsible for notifying the SHPD Kauai office (Culture and History Branch), which, in consultation with the KNIBC regional representative, shall determine appropriate mitigation measures.

Close down construction activities in areas where potentially significant discoveries have been made until they have been properly evaluated. Construction activities may continue in unaffected portions of the project area.

Field procedures to be followed for documentation of discovered cultural features or human skeletal remains include:

- (1) standard field methods including recordation of profiles showing stratigraphy, cultural layers, etc.;
- (2) mapping and photographing of finds other than human remains;
- (3) excavation of cultural materials and/or exposed features.

The SHPD Kauai archaeologist shall be notified and consulted with regarding treatment of identified features such as cultural layers, artifact or midden concentrations and structural remains.

The Contractor shall take into account the necessity for machine excavation at a speed slow enough to allow for reasonable visual inspection of the work. The Archaeological Monitor shall make a “best effort” to search for significant material culture remains (i.e. artifacts, features, midden, skeletal remains, etc.). Machine excavation speed will need to be slowed in an area where significant material culture remains have been identified.

Significant archaeological discoveries, if they occur, shall be protected and identified by construction “caution” tape, fencing, or other reasonable means, until the SHPD Kauai office and the Archaeological Monitor decide appropriate mitigation actions. All recovered material culture remains—with the possible exception of charcoal samples for radiometric analysis—shall remain on Kauai. Standard laboratory methods shall be utilized by the Archaeological Monitor in the event that cultural materials are recovered during monitoring and/or mitigation work.

One monitor in most instances shall carry out the necessary fieldwork. Tasks will include observation of grubbing and earth-moving activities.

In the event of night work, the Contractor shall supply adequate lighting for the Archaeological Monitor.

The Contractor shall abide by HRS Chapter 6E-11 which specifies the following: "It shall be unlawful for any person or corporate, to take, appropriate, excavate, injure, destroy, or alter any historic property or aviation artifact located on the private lands of any owner thereof without the owner's written permission being first obtained. It shall be unlawful for any person, natural or corporate, to take, appropriate, excavate, injure, destroy, or alter any historic property located upon lands owned or controlled by the State or any of its political subdivisions, except as permitted by the department."

Field methods utilized shall include photographic recordation (where appropriate), artifact excavation (recovery and recordation), profile documentation of cultural layers and stratigraphy, excavation and recordation of exposed features, and mapping of all pertinent features on an appropriate site map. A daily log (field notes) of activities and findings shall also be kept. Gathered information shall be utilized in the preparation of the monitoring report to be submitted to the SHPD.

In the event human skeletal remains are inadvertently disturbed, the SHPD Kauai office, the Kauai SHPD Cultural Historian, and the KNIBC regional representative shall be notified, and appropriate mitigation actions determined.

The Archaeological Monitor shall periodically visit the monitoring site as often as is necessitated by the nature of the construction activities and archaeological findings. If significant discoveries are made, appropriate mitigation measures shall be discussed with the SHPD Kauai office.

The Archaeological Monitor shall curate all cultural materials recovered from this monitoring project on Kauai, with the exception of human remains. When analysis is completed, recovered material culture remains shall be turned over to the appropriate parties. The SHPD and the landowner will approve long-term curation arrangements of significant material culture remains.

691.04 Measurement. The Engineer will measure the work required for the archaeological monitoring, including remedial measures, on a force account basis in accordance with Subsection 109.06 – Force Account Provisions and Compensation and as ordered by the Engineer.

691.05 Payment. The Engineer will pay for the accepted archaeological monitoring, including remedial measures, on a force account basis in accordance with Subsection 109.06 – Force Account Provisions and Compensation. Payment will be full compensation for the work prescribed in this section, by the Engineer, and in the contract documents.

The Engineer will pay for the following pay item when included in the proposal schedule:

Pay Item	Pay Unit
Archaeological Monitoring	Force Account

The Engineer will not pay for work required that is due to the Contractor's convenience, negligence, carelessness or failure to properly monitor excavation activity.

END OF SECTION 691