Welcome

Consultation Meeting for Geotechnical Testing at Kuaokalā Ridge
Meeting Goals

• Begin dialogue with Native Hawaiian Organizations and interested individuals

• Introduce and answer questions about proposed Geotechnical Testing at Kuaokalā Ridge

• Consult on cultural resource issues:
  • Identification and Evaluation of Historic Properties
  • Potential effects on Historic Properties from Geotechnical Testing
Cultural Resource Laws

This consultation is in accordance with Section 106 of the National Historic Preservation Act and HRS Chapter 6E. These laws:

• Require Federal and State agencies to consider the effects of their actions on historic properties and seek concurrence from the State Historic Preservation Division.
  • Historic Properties are districts, sites, buildings, structures, or objects that are eligible for listing in the National Register of Historic Places
• If there are adverse effects, the agency must implement measures to avoid, minimize, or mitigate the effects.
• Agencies must consult with Native Hawaiian Organizations and/or ethnic descendants during the process. The requirements for consultation differ by law.
  • Section 106 requires consultation with NHOs at each stage (initiation, identification, assessment of effects, and mitigation).
• MDA proposes to conduct geotechnical testing at Kuaokalā Ridge to support site selection for possible future MDA projects.

• Approximate 160-acre Area of Potential Effect (APE)
  • Kuaokalā Game Management Area
  • Kaʻena Point Satellite Tracking Station (KPSTS)
  • All Testing will occur on State Land
Project Description

• Approximately 10 Soil Test Borings
  • 4 to 6 inches in diameter, up to 100 feet deep
  • Lower portion of borings will be backfilled with a cement-bentonite grout, top portion backfilled with drill spoils and on-site spoils

• Approximately 3 Auger Borings
  • 12 inches in diameter or smaller, approximately 6 feet deep
  • Backfilled with drill spoils

• Site will be accessed from KPSTS station road.
Project Description

• Equipment may include the following:
  • drill rig (truck- or track-mounted)
  • flat-bed support truck
  • low-boy trailer
  • water truck
  • pickup trucks/sports utility vehicles

Example of truck-mounted drill rig for geotechnical testing.
Project Description

• MDA will avoid known historic properties during geotechnical testing

• MDA will conduct archaeological and cultural monitoring of all ground disturbance during the testing.

  • The monitoring will also serve to support the identification of subsurface archaeology if the site is selected for future projects.
• Keala Pono conducted an archaeological inventory survey (AIS) of the APE.
  • Pedestrian survey of the approximate 160-acre APE
  • Intensive-level site mapping and documentation
  • Detailed mapping of the Mokaʻena Heiau

• Identified two sites:
  • Site 188, Mokaʻena Heiau (previously known)
  • Site TS 1 (newly identified)
Archaeological Inventory Survey

- Site 188, Mokaʻena Heiau
  - Previously documented traditional Hawaiian ceremonial site
  - Highest elevation of any heiau on Oʻahu
  - Four terraces
  - Observed branch coral offerings in a stone-lined pit
  - Possible kuʻula at the base of one wall
  - Sweeping views of the landscape and ocean
Possible boulder of significance, as seen from Moka‘ena Heiau (boulder is outside APE)
Archaeological Inventory Survey

• Site TS 1
  • Possible terrace and stone alignment
  • Terrace is composed of stacked stones and cobbles, is roughly rectangular
  • C-shaped stone alignment is slightly uphill of the terrace, aligned with the terrace wall
  • Poor condition, not well defined
Next Steps

After this meeting, MDA will:

• Review all submitted comments – written comments should be submitted by August 3, 2018 to be included in our submittal to SHPD
• Finalize Archaeological Inventory Survey Report
• Submit to SHPD:
  • Archaeological Inventory Survey Report
  • Summary of consultation and comments
  • Finding of Effect
  • Archaeological Monitoring Plan
• Begin geotechnical testing upon SHPD concurrence
Questions, Comments, and Discussion