

State of Hawaii
DEPARTMENT OF LAND AND NATURAL RESOURCES
ENGINEERING DIVISION
1151 Punchbowl Street, Room 221
Honolulu, Hawaii 96813

ADDENDUM NO. 1

TO

Job No. 500CH15A
PUU WAAWAA STRUCTURE IMPROVEMENTS
AND DAM COMPLIANCE
Puu Waawaa (Mauka), North Kona, Hawaii

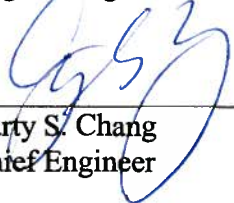
May 27, 2016

This addendum as issued shall become part of the Contract Documents for the subject project. The bid documents, plans, and specifications shall be amended as follows:

GENERAL INFORMATION

1. The bid offer due date and time has been changed to June 6, 2016 at 2 P.M.
2. The tentative start date of construction has been changed to January 2, 2017, pending approvals.
3. The meeting agenda and sign-in sheet for the Pre-bid Conference and Site Visit held on May 19, 2016 at 9:00 A.M. and 9:30 A.M., respectively, along with the minutes (questions that were asked at the meetings followed by DLNR responses) are attached.

Engineering Division



Carty S. Chang
Chief Engineer

State of Hawaii
Department of Land and Natural Resources
Engineering Division

Job No. 500CH15A
Puu Waawaa Structure Improvements and Dam Compliance
Puu Waawaa (Mauka), North Kona, Hawaii

May 19, 2016, 9:00 A.M.
Puu Waawaa Forest Reserve (project site)

PRE-BID CONFERENCE AGENDA

I. Announcements:

- All questions related to the bidding of the contract shall be submitted in written form. Answers will be provided in written form and shared with all bidders.
- General questions can be asked but verbal answers are not legal-binding.
- Bid offer due date and time is REVISED to 6/6/16, 2:00pm.
- Questions will be received until 5/27/16, 2:00 pm
- Answers will be provided by 5/31/16, 4:00 pm
- Tentative start date of Construction is 10/3/16, pending approvals.
- Contract Time is 360 Calendar Days.
- Contract award will be made on the basis of the lowest responsible Total Base Bid (Items 1-52) and selected Additive Bid Alternate(s) in accordance to the "Information and Instruction to Bidders," Items K and L, and various sections of the Proposal.

II. General Project Scope

- Dam Compliance: Embankments and safety ladders, excavation to breach reservoir.
- Exist. Earth reservoir: New HDPE liner and safety ladders, outlet piping, vegetation clearing for helicopter dipping.
- Renovate and repair Hale Piula Catchment System: Renovate Steel tank, replace surface catchments and gutters, vegetation clearing for helicopter dipping and staff access. Renovate and repair piping and flumes.
- Install larger 4" HDPE surface transmission pipelines, including ARV units, and pressure breaker tank units between catchment and storage reservoirs.

III. Environmental Control and other requirements:

- Review the specifications.
- Washing down equipment, Rapid Ohia Death protocols, etc. Includes washing down all equipment, gear, clothing, shoes, and boots before entering Pu`u Wa`awa`a Forest Reserve, especially if contractor has been in areas with ROD. We will bring boot disinfectant with us for the site visit.
- The above protocols will help with spread of invasive plants and animals too. Trucks and equipment should be checked thoroughly for seeds especially in the grill and under the bumper, mud should be cleaned off and vehicles should be checked for coqui frogs, and little fire ant before entering PWW FR.

- Trees within the Poohohoo Reservoir fill and disturbance area should be checked for Hawaiian Hawk nests by a professional just before they are cut down.
- No open flames or welding in the field near areas with large amounts of fine fuels (fountain grass/kikuyu grasses), all vehicles should carry certified fire extinguishers, and five gallons of water to extinguish fires. All equipment should be in good working order with spark arrestors if needed. No parking in tall grass as hot vehicle catalytic converters and undercarriages can ignite fine fuels.
- Contractors should have an emergency response plan for staff in case of fire/emergency including knowledge of multiple escape routes, landing zones (LZs) for helicopters, etc.
- No driving off roads.

IV. Staging

- Near the former Airstrip

V. Questions/Clarifications? Please email your questions/clarifications to Gayson Ching at Gayson.Y.Ching@hawaii.gov. An addendum will be issued with official responses to the questions/clarifications.

VI. Site Visit is to follow the conclusion of the Pre-bid Conference.

SITE VISIT

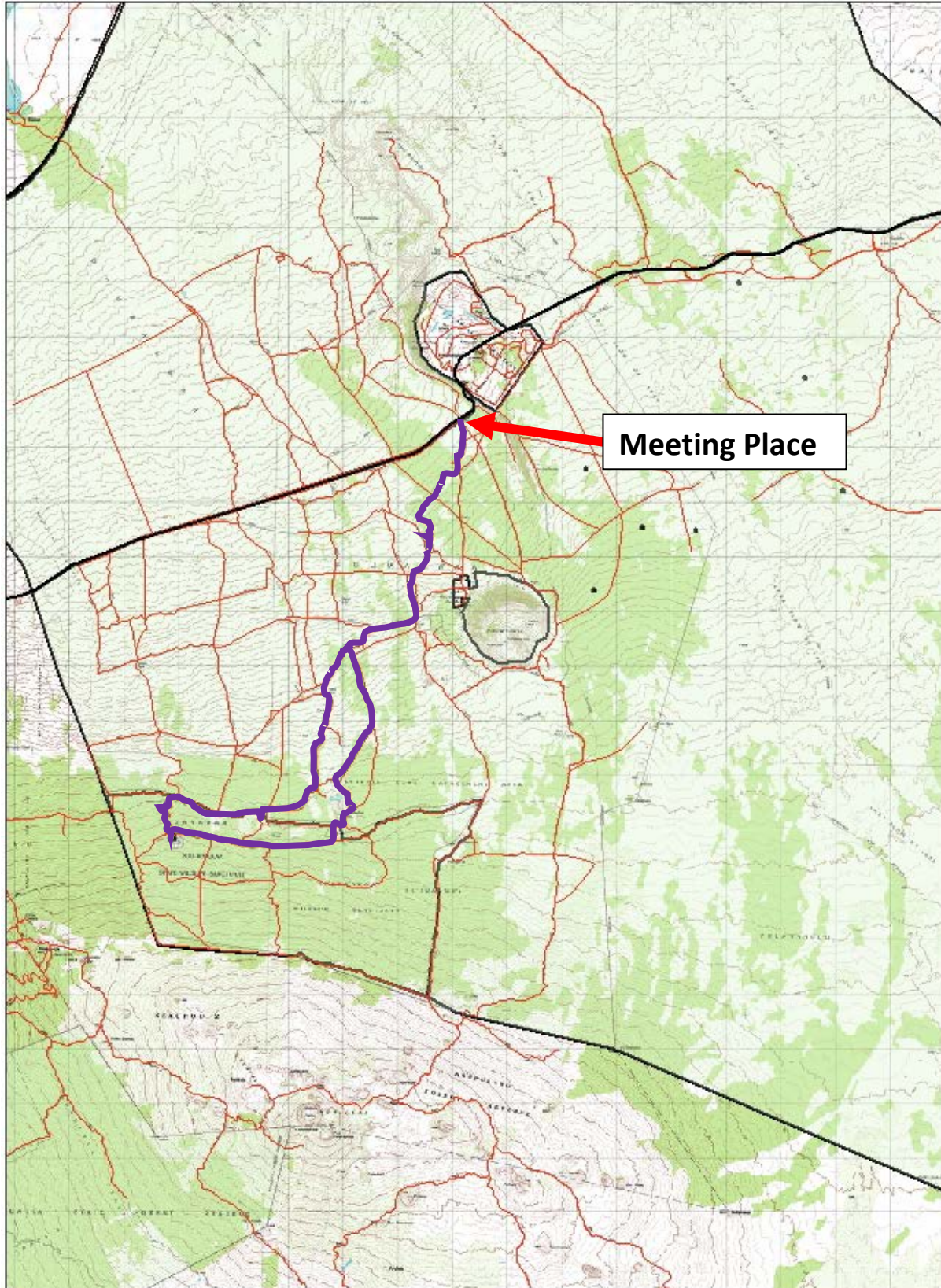
Job No. 500CH15A: Puu Waawaa Structure Improvements and Dam Compliance
HiePRO Solicitation No. B16001675 (Released on May 9, 2016).

Thursday, May 19, 2016, approx. 9:30am (immediately following the Pre-bid Conference being held at 9:00 AM at Puu Waawaa Forest Reserve main mauka (uphill) entrance near the 22 mile marker).

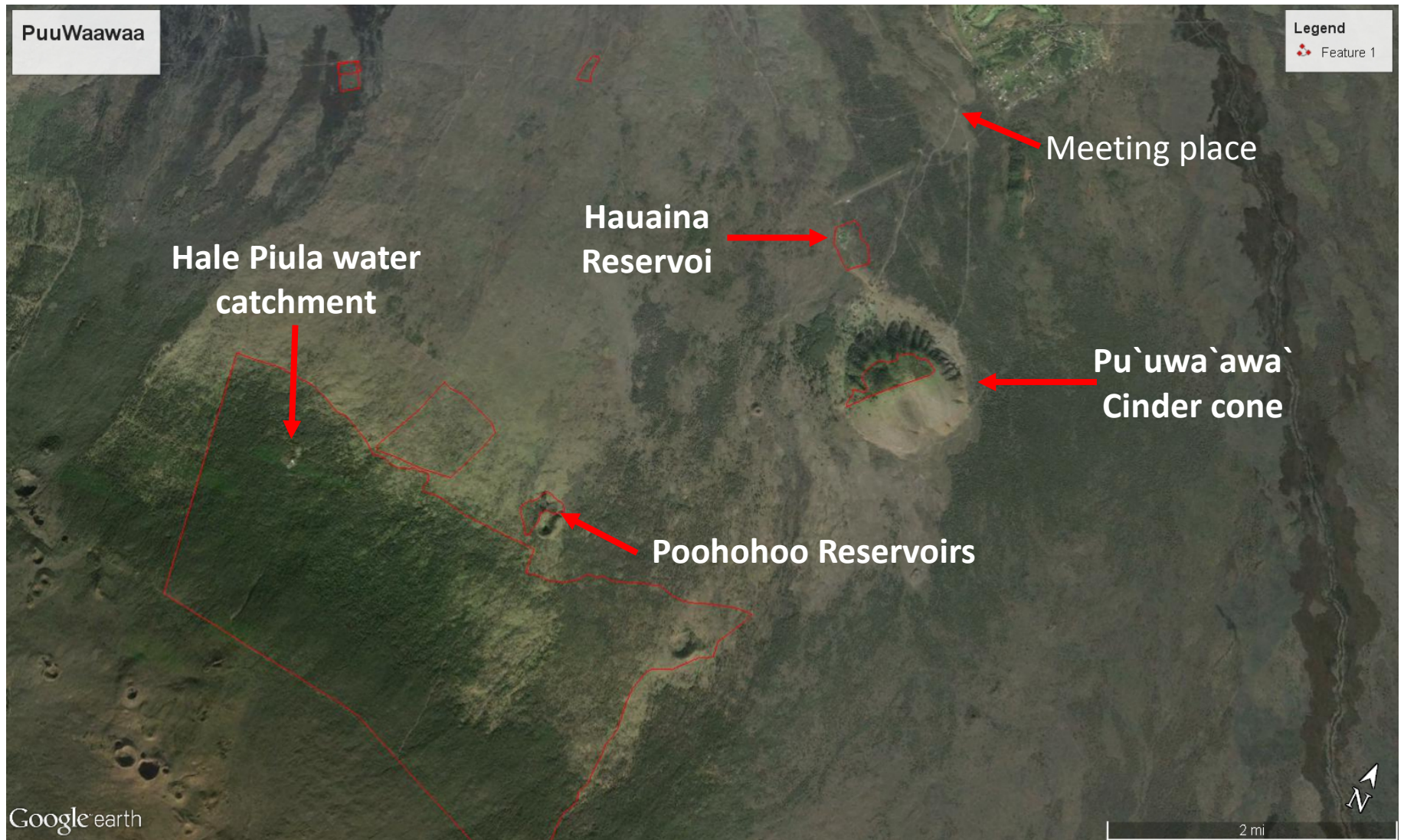
Agenda*

- 9:25 AM Pre-bid Conference concludes.
- 9:30 AM Meet, Introductions, view project area from a distance at front gate/hiker kiosk area. All questions asked will be recorded and answered in a document for all interested contractors
- 9:30 AM Drive up airstrip to lower Hauaina Reservoir, drive around bottom of reservoir to see project area
- 10:00 AM Drive up to Hale Piula Water Catchment Area
- 10:40 AM Potential bathroom stop at FBS cabin
- 11:00 AM Arrive Hale Piula Water Catchment Area
- 12:00 PM Drive along pipeline road in Forest Bird Sanctuary towards Poohohoo Reservoirs
- 12:30 PM Potential bathroom stop at FBS cabin
- 12:45 PM Arrive at Poohohoo Reservoirs, Lunch (Bring your own lunch).
- 2:00 PM Drive from Poohohoo Reservoirs down along pipeline route to Hauaina.
- 3:00 PM Arrive at Hauaina Reservoir – take any last questions.
- 3:00–4:00 PM Return to Hiker Kiosk at Main PWW Gate – finished.

*Times are approximate and dependent on length of time contractors want/need to spend at each individual location.



Approximate driving route in Project Area in purple and showing meeting place location.



Map of the Project Area in North Kona showing major locations including meeting area off the Māmalahoa Highway in relation to Hauaina reservoir, Hale Piula Water Catchment Area, and Poohohoo Reservoirs.



DEPARTMENT OF LAND AND NATURAL RESOURCES
ENGINEERING DIVISION

JOB NO.: 500CH15A

SIGN-IN SHEET

DATE: May 19, 2016

PRE-BID CONF: Puu Waawaa Structure Improvements and Dam Compliance, North Kona, Hawaii

	NAME	AGENCY	PHONE NO.	EMAIL ADDRESS	PRE-BID CONF	SITE VISIT
1	Francisco Sileria	ABW & SUARDOA INC	808-682-4833	Francisco.Sileria@abwensuar.com	✓	✓
2	Marc Simmons	Kiewit Infrastructure West Co	808-674-1088	marc.simmons@kiewit.com	✓	✓
3	Gerald Yamada	GW CONSTRUCTION	808-766-4552	gerald@gwconstruction.net	✓	✓
4	Jason Inaba	Inaba Engineering	808-961-3727	inabajeng@hawaii.rv.com	✓	✓
5	Elliott Parsons	DOFAW	808-333-0084	elliott.w.parsons@hawaii.gov	✓	✓
6	Yanis Nora	Bolton, Inc.	808-896-0918	yanis@boltoninc.com	✓	✓
7	Jason Hulce	"	808-896-7919 m	Jason@boltoninc.com	✓	✓
8	JERRY BUANI	Isenoto	808-329-8051	Jerry@icccor.com	✓	✓
9	JESAD WAHHA	"	"	"	✓	✓
10	GAYSON CHING	DLNR - ENR	587-0232	gayson.y.ching@hawaii.gov	✓	✓
11	KENUKI KNOCKE	DLNR - DOFAW	936-0557	kknocke@hawaii.edu	✓	✓
12	Keni Wallace	DLNR - DOFAW	938-7108	keni@hawaii.edu	✓	✓

Pre-bid Conference Meeting Minutes

Job No. 500CH15A

Puu Waawaa Structure Improvements and Dam Compliance

Puu Waawaa (Mauka), North Kona, Hawaii

Date: May 19, 2016 Commenced: 9:00 A.M.

Location: Puu Waawaa Forest Reserve (project site)

Meeting was opened by the project engineer, Gayson Ching, who read through the Pre-bid Conference Agenda, including the Scope of the project.

The bid offer due date and time was REVISED to June 6, 2016, 2:00 P.M.

The tentative start date of construction would be after January 2, 2017, pending approvals.

All responses during the meeting will be informal and a formal written response will follow via addenda.

The meeting was open to questions and the following question was asked:

1. Water needs: The Contractor shall refer to Information and Instructions to Bidders, Item W, Water and Electricity.

The Pre-bid Conference was concluded.

At 9:30 A.M., the Site Visit meeting was opened by Gayson Ching and turned over to Elliott Parson to read though the Site Visit Agenda.

The Agenda was revised due to the wet conditions of the roads.

Contractor Questions and items discussed/clarified during the Site Visit:

1. Can improvements be made to existing 4wd roads for easier construction access? Any improvements to existing roadway shall be considered incidental to the various bid items of work. The Contractor shall be cautioned and aware that any road improvements need to be approved in advance by DLNR. All import fill material will also need to be approved by DLNR due to possible invasive species contamination.
2. Can contractor stockpile imported fill material close to entry gate? Contractors might then possibly use off-road haulers to move materials to the project site.: The Contractor may be allowed to store materials in an area near the former Airstrip, near the main entrance off the highway, or at another location with prior approval of DLNR.

It is suggested that the Contractor provide their own shipping container to secure any items of value (e.g. supplies, equipment, etc.). The State will not be responsible for any theft/damage/etc. of the Contractor's materials or equipment.

3. The Contractor shall coordinate with DOFAW to make sure no nests of endangered birds (including Hawaiian coot, goose, and black-necked stilt /other endangered birds) will be disturbed in the project areas prior to starting work at lower Hauaina (Lake House) reservoir. Contractor shall coordinate with DOFAW Staff prior to starting work to ensure no endangered species are not negatively impacted by work.
4. **Vegetation Clearing:** For vegetation clearing, do not leave materials on slopes. Cleared vegetation shall be placed at locations designated by DOFAW staff. These areas will be off the slopes, near the cleared areas, away from threatened and endangered and rare plants. No long hauling will be required.
5. **Reservoir 2, Clarification on existing butyl liner removal:** Contractor shall remove only clearly exposed old butyl liner. Do not clear cut vegetation throughout reservoir area to find all of the liner. Where vegetation is clearly established with trees and shrubs, liner may be cut around vegetation to be removed.
6. **Steel Tank Bolt Replacement:** The State will indicate which bolts to remove and replace on the tanks.
7. **Can Trees be cleared around the tanks to install scaffolding?**
Yes, trees should be cleared around tanks as specified in plans and specifications. Trees immediately around tanks up to the stone wall are designated to be completely removed in plans, trees on slopes can be cut up to 3 feet above ground and poisoned with the stump left to prevent erosion. Refer to Vegetation Clearing and Removal Notes on Sheet C-10.
8. **Will camping on site be allowed for workers?**
Camping will be allowed on site at Hale Piula and Poohohoo with the following conditions. Portable toilets or camp toilets must be provided. Areas for parking and/or cooking must be completely cleared of vegetation to prevent risk of fire. Contractor will have to supply all camp supplies and materials, water, fire prevention items (fire extinguishers, 5 gallons of water, shovel), and no campfires or open flames will be allowed except for small camp stoves in designated vegetation free areas. These areas are not officially established campgrounds and should be considered backcountry camping in a wilderness setting.
9. **Alternate Access to Site:** DOFAW will allow contractor access from Mamalahoa Hwy mile marker 25, which provides for a shorter route to Hale Piula site than from the main gate entrance.

10. The site visit agenda was provided to the attendees. The actual jobsite visit and route was revised due to some of the roads being inaccessible by muddy conditions. The project work sites were visited as follows:

In order of visit:

- 1) Hiker check-in station near front gate at Māmalahoa Highway.
- 2) Pu`u Wa`awa`a airstrip and hangar.
- 3) Lower Hauaina (Lake House) Reservoir.
- 4) Drove up through makai Henahena paddock and alongside mauka Henahena paddock where fence is being constructed and along route of new pipe alignment.
- 5) Arrived at Poohohoo Reservoir; checked out Poohohoo Reservoir #1 and #2, spillway between the two, Poohohoo cinder cone, access road on west side, very bottom of Poohohoo catchment. Pipe inlet and outlet locations, old level control valve system for upper Poohohoo reservoir.
- 6) Drive around east side of Poohohoo to bottom of Forest Bird Sanctuary (FBS), drove up along edge of FBS to entrance of pipeline road.
- 7) Followed pipeline road to Hale Piula.
- 8) Checked out both steel tanks, catchment surface, water lines, existing infrastructure, existing new liner at Hale Piula.
- 9) Drove back on pipeline road out of FBS the way we came in, around Poohohoo reservoir and connected to main artery road just west of Poohohoo reservoir. Returned along this different route back to main PWW paved road which connected to below makai Henahena near the double gate, but then went around the private in holding property to return to the main road (as opposed to going back to Hauaina and the hiker kiosk via the airstrip).
- 10) Traveled down main road back to Hiker Kiosk to finish site visit.