

ARCHAEOLOGICAL SERVICES HAWAII, LLC.,

16 S. Market St. Ste. G; Wailuku, HI; 96793

Ph.808-244-2012; Fx. 808-244-9592

11 May 04

Mr. Richard Sudheimer
Mr. Dick Drayson
Mr. Nathan Kwee
C/o Mr. Tom Leuteneker
Carlsmith Ball LLP
One Main Plaza Ste 400
Wailuku, Hi 96793

Subject: Post Field Summary Letter During Due Diligence at Wailuku Agribusiness,
TMK 3-5-02: 01 pors.

Dear Sirs:

Per your request, Archaeological Services Hawaii, LLC., conducted a pedestrian survey with subsurface backhoe testing within 50 acres at the above referenced project area (Figure 1). The work was performed from 5-7 May 04 by Mr. Paul Titchenal (M.A.), and supervisor Ms. Diane Guerriero (B.A.), under the overall direction of Ms. Lisa Rotunno-Hazuka (B.A.) and Mr. Jeffrey Pantaleo (M.A.). A total of 25 backhoe trenches were selectively placed in areas that contained no active farming. No subsurface cultural remains were recovered in any of the trenches, however one surface site, the Kama Ditch, was identified. The ditch is from the historic period sugar cane era and consists of a concrete line ditch that is oriented north-south.

The project area is located between Honoapiilani Highway and Waiale Road within a highly sensitive area for traditional Native Hawaiian sites. The Wailale/Lower Main corridor from Kahului Harbor to Waiko Road, has contained numerous sand dune burials, habitation layers as well as some clay pit burials. Thus, the parcels within the project area had the potential to contain significant subsurface sites; unfortunately the project area has been heavily impacted by compounded surface disturbances from sugar cane, sand mining and farming tenements, and as such, contains little of its original landscape. Due to these compounded disturbances, the likelihood of recovering intact pre-Contact deposits was minimal.

Details of the parcels conditions, the findings of the archaeological investigation, and recommendations are presented below.

Project Area

The project area consists of two adjoining 25-acre parcels within a portion of Wailuku Agribusiness landholdings at TMK 3-5-02: 01 pors in Wailuku *ahupua'a* and District, in the isthmus of Maui.

The parcels are bounded by Honoapiilani Highway to the northwest, Waiale Road to the southeast and the proposed retention basin along Kuikahi Avenue to the north. A sewer easement and the Kama ditch run north-south within the central portions of the project area (See Figure 1). The parcel closest to the northern boundary is owned by Emmanuel Lutheran Church and contains numerous individual farm plots with bananas, papayas and sweet potatoes. The southern parcel owned by Valley Isle Fellowship consists of bananas, sweet potatoes, and fallow sugar cane and a sod farm. Both parcels have undergone substantial surface disturbances, where most of the sand dune has been removed. An elongate portion (approximately one-third of the project area) between the sewer line easement and the Kama ditch consisted of a thick deposit of alluvial sand (highlighted in yellow). The remaining two-thirds of the parcel contained a cobbly, silt along Honoapiilani Highway, and a silty sand along Waiale Road. Again, all areas were tested by backhoe trenching, were no subsurface cultural deposits were identified.

Results

A total of 25 backhoe test trenches were executed within the two parcels in areas that would not disrupt active farming (See attached Table I). Trenches 1-6, 15,16 and 23-25 were excavated within the northern parcel, and trenches 7-14 and, 17 -22 were excavated within the southern parcel. Trenching was not conducted within the extreme central portion of the project area, due to dense active farming.

The trenches were oriented either north-south or east-west and averaged 6.0 meters in length by 2.0 meters in depth. No subsurface cultural deposits or features were identified within the trenches. In general, a three layer stratigraphic sequence was identified within the trenches, where Layer I was usually disturbed at least 2.0 ft. below the surface.

The pedestrian survey, coupled with the test excavations results, exemplified that the project area has been severely altered in historic times.

Discussion

The project area, located within the isthmus of Maui, would have contained high knolls and ridges and undulating inland sand dunes in the past. Traditionally, Native Hawaiian habitation sites and burial grounds have been documented within this type of landscape. The project area, though located within the isthmus, has undergone a substantial amount of clearing, grubbing and grading, resulting in the removal of the former sand dune ridge system (recall sand was present at the surface in the elongate portion and continues to a depth of 9.0 ft. below the surface). Due to these disturbances, the potential for identifying subsurface features consisting of burials has been reduced.

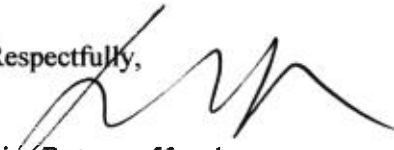
Recommendation

For the project area, no further archaeological testing is warranted, however archaeological monitoring is recommended during all construction related activities. Archaeological monitoring is the standard protocol in areas with the potential for subsurface sites (even though the probability of subsurface features has been reduced, the potential does exist). Monitoring is currently being conducted within adjoining parcels to the project area (Wailuku Agribusiness, Kehalani off sites, Hawaiian Cement, Waiko Baseyard LLC, Consolidated Baseyard LLC, Ameron and Maui Lani).

The testing conducted to date is intended to fulfill the requirements for an Inventory Survey under the guidelines set forth in Chapter 13-276, Hawaii Administrative Rules, Rules Governing Standards for Inventory Surveys and Reports. The testing and other pertinent data will be presented in an Inventory Survey report which will be submitted to the State Historic Preservation Division (SHPD) for their review.

Thank you very much for giving ASH the opportunity to conduct work in this area, if you should have any questions and or comments, please do not hesitate to call me. The Inventory Survey Report shall be submitted within 60 days to SHPD.

Respectfully,



Lisa Rotunno-Hazuka

Consulting Archaeologist

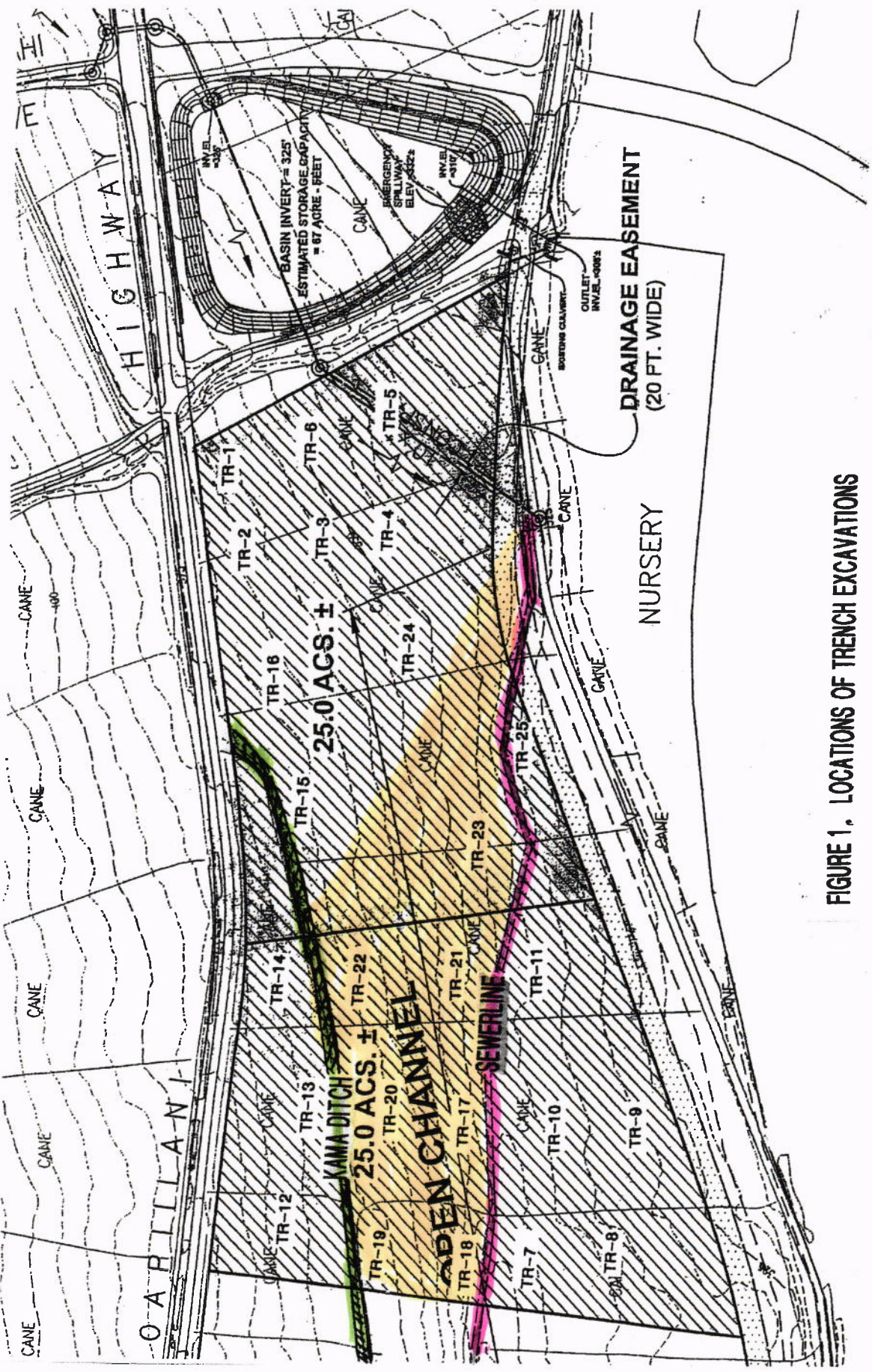


FIGURE 1. LOCATIONS OF TRENCH EXCAVATIONS

STRATIGRAPHIC SUMMARY TABLE

TRENCH (TR)	LOCATION	ORIENT.	DIMENSION	STRATIGRAPHY	COMMENTS
1	Located in the extreme northwest portion of project area. East of Honoapiilani Highway.	80 / 260 Az.	6.6 m (L) x .80 m (W) x 1.5 m (H)	Layer I - Fine, Silt; Dark Brown, (10YR3/3); agricultural layer. Layer II - Very Fine, Silt; Dark Grayish Brown (10YR 3/2); Layer III - Fine, Silt; Dark Grayish Brown (10YR 3/2), colluvial deposited with water affected pebbles, cobbles and small boulders.	Previous surface disturbance with past and present agriculture farming. Level surface area. North Profile. No cultural remains identified.
2	South of TR. 1. East of Honoapiilani Highway.	90 / 270 Az.	7 m (L) x .80 m (W) x 1.5 m (H)	Layer I - Fine, Silt; Dark Brown, (10YR3/3); agricultural layer. Layer II - Very Fine, Silt; Dark Grayish Brown (10YR 3/2) with gravel inclusions; Layer III - Fine, Silt; Dark Grayish Brwn.(10YR 3/2), colluvial deposit with water affected pebbles and cobbles.	Previous surface disturbance with past and present agriculture farming. On level surface area. East Profile. No cultural remains identified.
3	Southeast of TR. 2 and TR.1, East of Honoapiilani Highway.	70 / 250 Az.	5 m (L) x .80m (W) x 1.4 m (H)	Layer I - Fine, Silt; Dark Brown, (10YR3/3); agricultural layer. Layer II - Very Fine, Silt; Dark Grayish Brown (10YR 3/2); Layer III - Fine, Silt; Dark Grayish Brown (10YR 3/2); gravelly.	Previous surface disturbance with past and present agriculture farming. On slight slope towards east. North Profile. No cultural remains identified.
4	East of TR. 3. East of Honoapiilani Highway and west of existing sugar cane hauling road.	80 / 260 Az.	6.2 m (L) x .80 m (W) x 1.3 - 1.6 m (H)	Layer I - Fine, Silt; with sand inclusions, Dark Brown to Dark Yellowish Brown (10YR 3/3-3/4); agricultural layer. Layer II - Fine, Silt; Dark Brown (10YR 3/3).	Previous surface disturbance with past and present agriculture farming. On level surface area. South Profile. No cultural remains identified.
5	Located in the extreme northeast portion of the project area. North of TR. 4 and east of TR-6.	70 / 250 Az.	8 m (L) x .80 m (W) x 1.5 m (H)	Same as TR-4 without sand inclusions identified in TR 4 Layer I.	Previous surface disturbance with past and present agriculture farming. On level surface area. North Profile. No cultural remains identified.
6	Located along the northern project area boundary, west of TR-5 and east of TR-1.	90 / 270 Az.	4.8 m (L) x .80 cm (W) x 1.6 (H)	Same as TR-3	Previous surface disturbance with past and present agriculture farming. On slight slope towards east. South Profile. No cultural remains identified.
7	Located in the extreme southern portion of project area. East of Honoapiilani Highway and adjacent to; east of the existing sewerline easement.	100 / 280 Az.	5.5 m (L) x .80 cm (W) x 1.4 (H)	Layer I - Fine, Silt; with sand inclusions, Dark Brown to Dark Yellowish Brown (10YR 3/3-3/4); agricultural layer. Layer II - Fine, Silt; with sand and gravel inclusion, river bed inclusions noted in North and South Profiles, Dark Brown (10YR 3/3). Layer III - Fine, Silt; Dark Brown to Dark Yellowish Brown (10YR 3/3 - 3/4).	Previous surface disturbance with past sand mining activities and agriculture farming. Historic debris noted within area. Level surface area. South Profile. No cultural remains identified.
8	Located in the extreme southeastern portion of project area. East of Honoapiilani Highway and TR-7	80 / 240 Az.	5.5 m (L) x .80 cm m (W) x 1.5 m (H)	Layer I - Fine, Silt; with sand inclusions, Dark Brown to Dark Yellowish Brown (10YR 3/3-3/4); agricultural layer. Layer II - Fine, Silt; Dark Brown (10YR 3/3). Layer II same as Layer II with many water affected and sub-angular cobbles and pebbles.	Level ground surface. North Profile. No cultural remains identified.
9	North of TR. 8 and west of sugar cane hauling road.	90 / 270 Az.	6 m (L) x .80 cm (W) x 1.5 m (H)	Layer I - mottled Silt; with sand inclusions, Brown (7.5 3/2); agricultural layer. Layer II - remnant Aeolian Sand; (10YR 5/4); Yellowish Brown. Layer II / III - Transitional Layer, Sandy Silt; Brown (10YR 5/3), Layer III - Silt; Dark Brown (10YR 3/3).	Level ground surface in open fallow field of sweet potatoes. South Profile. No cultural remains identified.
10	West of TR. 8. Adjacent to; east of the existing sewerline easement.	180 / 360 Az.	8 m (L) x .80cm (W) x 1.5 m (H)	Layer I - Mottled Silty Sand, Very Dark Grayish Brown; (10YR 3/2) with charcoal flecks. Layer II - Sand Silt, Brown to Dark Brown (10YR 5/3-4/3); Layer III - Aeolian Sand/Silt Vry Drk Graysh Brwn (10YR 3/2); Layer IV - Very Fine Grain Sand Pale Brwn (10YR 6/3); Layer V - BOE- Coarse Sand Light Brwn Gray(10YR 6/2).	Previous surface disturbance with past and present agriculture farming. West Profile. No cultural remains identified.
11	East of TR. 10. Adjacent to; east of the existing sewerline easement.	180 / 360 Az.	8 m (L) x .80cm (W) x 1.5 (H)	Layer I - Silty Loam; Very Dark Grayish Brown (10YR 3/2); Layer II - Silt; Dark Brown, (10YR 3/3); Layer III - Silt; Dark Brown (10YR 3/3).	Previous surface disturbance with past and present agriculture farming. Level ground surface area. South Profile. No cultural remains identified.

STRATIGRAPHIC SUMMARY TABLE

TRENCH (TR)	LOCATION	ORIENT.	DIMENSION	STRATIGRAPHY	COMMENTS
12	Located in the extreme southeast portion of project area. Adjacent to east of, Honoapiilani Highway.	110 / 280 Az.	6 m (L) x .80cm (W) x 1.8 (H)	Layer I - Silty Loam; Very Dark Grayish Brown (10YR 3/2); Layer II - Silt; Dark Brown, (10YR 3/3); Layer III - Silt; Dark Brown (10YR 3/3), with many water affected basalt cobbles and pebbles.	Level ground surface area on upper slope. North Previous surface disturbance with past agricultural farming. North Profile. No cultural remains identified.
13	North of TR. 12. Adjacent to; east of, Honoapiilani Highway.	100 / 280 Az.	5.5 m (L) x .80 cm (W) x 1.8 (H)	Same as TR - 12	Level ground surface area on upper slope. North Previous surface disturbance with past agricultural farming. East Profile. No cultural remains identified.
14	North of TR. 13. Adjacent to; east of, Honoapiilani Highway.	100 / 280 Az.	5 m (L) x .80 cm (W) x 1.7 m (H)	Same as TR - 12, and 13	Level ground surface area on upper slope. North Previous surface disturbance with past agricultural farming. North Profile. No cultural remains identified.
15	North of TR. 14. Adjacent to; east of, Honoapiilani Highway.	100 / 280 Az.	6 m (L) x .80cm (W) x 2 m (H)	Same as TR - 12, 13, 14	Level ground surface area on upper slope. North Previous surface disturbance with past agricultural farming. East Profile. No cultural remains identified.
16	North of TR. 15. Adjacent to; east of, Honoapiilani Highway.	180 / 360 Az.	5 m (L) x .80cm (W) x 1.8 m (H)	Same as TR - 12, 13, 14 and 15	Level ground surface area on upper slope. North Previous surface disturbance with past agricultural farming. Profile. No cultural remains identified.
17	West of TR. 10. Adjacent to; west of, the sewerline easement and east Honoapiilani Highway.	170 / 350 Az.	6 m (L) x .80 cm (W) x 1.7 m (H)	Layer I - Silty Sand, Grayish Brown (10YR 3/4); Layer II - Aeolian Sand, Yellowish Brown (10YR 5/8); Layer III - Silt, Very Dark Brown.	On slope surface area, below a field of agricultural farming of sweet potatoes. East Profile. No cultural remains identified.
18	South of TR.17 and east of TR. 7 Adjacent to; east of, Honoapiilani Highway and the existing sewerline..	180 / 380 Az.	5 m (L) x .80 m (W) x 1.8 m (H)	Same as TR - 17 with the exception of a disturbed sand layer below Layer I.	On slope surface area. East Profile. No cultural remains identified.
19	West of TR. 18. and east of TR - 12. Adjacent to; east of the Kama Ditch.	180 / 360 Az.	5 m (L) x .80cm (W) x 2.2 m (H)	Same as TR - 18	Level ground surface on farm access road along upper slope. East Profile. No cultural remains identified.
20	North of TR. 19. Adjacent to; east of the Kama Ditch.	180 / 360 Az.	5.6 m (L) x.80 cm (W) x 2.8 m (H)	Same as TR - 18 and 19.	On slope surface area along upper slope. West Profile. No cultural remains identified.
21	East of 22. Adjacent to; West of the sewerline easement.	120 / 300 Az.	5.5 m (L) x 1.6 m (W) x 2.5 m (H)	Same as TR - 18, 19 and 20.	Level ground surface. West Profile. No cultural remains identified.
22	West of TR. 21. Adjacent to; east of the Kama Ditch.	90 / 270 Az.	6 m (L) x .80 cm (W) x 2.5 m (H)	Same as TR - 18 thru 21	Level ground surface. East Profile. No cultural remains identified.
23	North of TR. 21. Adjacent to; west of the sewerline easement	90 / 270 Az.	6.5 m (L) x .80 cm (W) x 3.5 m (H)	Same as TR - 18 thru 22	Level ground surface. East Profile. No cultural remains identified.
24	Northwest of TR. 23. Placed in an open unplanted agricultural field. West of existing sewerline easement	180 / 360 Az.	4 m (L) x 2 m (W) x 2 m (H)	Same as TR - 4 and 5	Level ground surface. West Profile. No cultural remains identified.
25	East of TR. 24. Adjacent to; east of existing sewerline easement. Placed in a fallow sweet potatoe field.	90 / 270 Az.	4.6 m (L) x 1.2 m (W) x 1.9 m (H)	Same as TR - 4 and 5	Level ground surface. North / northwest Profile. No cultural remains identified.