

**NON-CHAPTER 343 DOCUMENT
PUBLICATION FORM
OFFICE OF ENVIRONMENTAL QUALITY CONTROL**

Project Name: Nā'ālehu Wastewater Collection System and Nā'ālehu Wastewater Treatment and Disposal System and Drainage Modifications

Applicable Law: 36 CFR Part 800

Type of Document: National Historic Preservation Act Section 106

Island: Hawai'i

District: Kāhīlīpalīnui and Kāwala Ahupua'a, Ka'ū District

TMK: (3) 9-5-007:016; (3) 9-5-008:033, 045, 048; (3) 9-5-010:001, 030; (3) 9-5-021:015, 020; (3) 9-5-022:001; (3) 9-5-024:001, 009, 010, 011, 069, 076, 077; (3) 9-5-025:002, 039; and various developed parcels in the community and State and County roadways (ref. [3] 9-5-021:999, [3] 9-5-024:999, [3] 9-5-025:999, [3] 9-5-026:999)

Permits Required: N/A

Applicant or Proposing Agency:

(Address, Contact Person, Telephone, E-mail)

State of Hawaii, Department of Health, Environmental Management Division, Wastewater Branch
2827 Waimano Home Road, Rm. 207

Pearl City, HI 96782

Contact and Phone: Chane Hayashida, (808) 586-4294, Chane.Hayashida@doh.hawaii.gov

Approving Agency or Accepting Authority:

(Address, Contact Person, Telephone, E-mail)

State of Hawaii, Department of Health, Environmental Management Division, Wastewater Branch
2827 Waimano Home Road, Rm. 207

Pearl City, HI 96782

Contact and Phone: Chane Hayashida, (808) 586-4294, Chane.Hayashida@doh.hawaii.gov

Consultant:

(Address, Contact Person, Telephone, E-mail)

Wilson Okamoto Corporation

1907 South Beretania Street, Suite 400

Honolulu, HI 96826

Contact and Phone: Keola Cheng, (808) 946-2277, kcheng@wilsonokamoto.com

Status: Comments due no later than July 8, 2024 to:

Attn: Chane Hayashida

Department of Health, Wastewater Branch

2827 Waimano Home Road, Rm. 207

Pearl City, HI 96782

Email: wwb@doh.hawaii.gov

Project Summary:

(Summarize proposed action and purpose/need in less than 200 words in the space below):

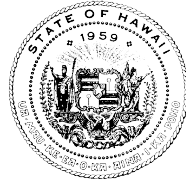
The Department of Health (DOH) initiated Section 106 of the NHPA consultation with the State Historic Preservation Division (SHPD) in accordance with 36 CFR Part 800. In 1990, the U.S. Environmental

Protection Agency (EPA) designated the DOH to act on EPA's behalf, pursuant to 36 CFR §800.2 (c) (4), when initiating Section 106 of the NHPA process in connection with projects funded under the Hawai'i Clean Water State Revolving Fund (CWSRF). The DOH is providing funding under the CWSRF to the County of Hawai'i for the Nā'ālehu Wastewater Collection System and Nā'ālehu Wastewater Treatment and Disposal System and Drainage Modifications. The proposed project will utilize federal funding and is considered an undertaking, as defined by Section 106 of the NHPA, 54 U.S.C. §306101 et seq., and 36 CFR Part 800.

The undertaking consists of constructing a new sewer collection system in the Nā'ālehu community to replace the existing system of gravity lines that convey sewage to the three large capacity cesspools and connect it to the proposed wastewater treatment and disposal facility. The wastewater treatment plant (WWTP) would serve the former Brewer lots as well as newly accessible parcels for future connection to the WWTP located in Kāhilipalinui and Kāwala Ahupua'a, Ka'ū District, Island of Hawai'i. The project, located at TMK Parcel (3) 9-5-007:016; (3) 9-5-008:033, 045, 048; (3) 9-5-010:001, 030; (3) 9-5-021:015, 020; (3) 9-5-022:001; (3) 9-5-024:001, 009, 010, 011, 069, 076, 077; (3) 9-5-025:002, 039; and various developed parcels in the community and State and County roadways (ref. [3] 9-5-021:999, [3] 9-5-024:999, [3] 9-5-025:999, [3] 9-5-026:999).

The DOH has engaged SHPD to determine the presence of potential sites of historic importance within the vicinity of the project area as well as the potential impact of the project on such sites, if present.

JOSH GREEN, M.D.
GOVERNOR OF HAWAII
KE KIA'AINA O KA MOKU'AINA 'O HAWAII



KENNETH S. FINK, MD, MGA, MPH
DIRECTOR OF HEALTH
KA LUNA HO'OKELE

STATE OF HAWAII
DEPARTMENT OF HEALTH
KA 'OIHANA OLAKINO
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In reply, please refer to:
File:

June 3, 2024

90-04, 90-07 S106 ltr (initial) SHPD.docx

Alan S. Downer, PhD, Administrator
State of Hawai'i, Department of Land and Natural Resources
State Historic Preservation Division
601 Kamokila Boulevard, Rm. 555
Kapolei, HI 96707
Submitted via: SHPD HICRIS

Dear Dr. Downer:

Subject: National Historic Preservation Act (NHPA)
Request to Initiate Section 106 Consultation
Nā'ālehu Wastewater Collection System and Nā'ālehu Wastewater Treatment and
Disposal System and Drainage Modifications
Clean Water State Revolving Fund (CWSRF) Project No. C150090-05 and 90-07
Kāhilipalini and Kāwala Ahupua'a, Ka'ū District, Hawai'i Island
TMK: (3) 9-5-007:016; (3) 9-5-008:033, 045, 048; (3) 9-5-010:001, 030; (3) 9-5-
021:015, 020; (3) 9-5-022:001; (3) 9-5-024:001, 009, 010, 011, 069, 076, 077; (3) 9-5-
025:002, 039; and various developed parcels in the community and State and County
roadways (ref. [3] 9-5-021:999, [3] 9-5-024:999, [3] 9-5-025:999, [3] 9-5-026:999)
State Historic Preservation Division (SHPD) Project No. 2019PR30811

On behalf of the Environmental Protection Agency (EPA), the State of Hawai'i Department of Health (DOH) requests to initiate Section 106 consultation with the State Historic Preservation Officer (SHPO) for the proposed Nā'ālehu Wastewater Collection System and Nā'ālehu Wastewater Treatment and Disposal System and Drainage Modifications projects located in Kāhilipalini and Kāwala Ahupua'a, Ka'ū District, Hawai'i Island.

The proposed projects may be eligible to utilize federal funding that is administered by the DOH through the CWSRF and will be considered a federal action and undertaking, as defined by Section 106 of the NHPA of 1966 (as amended 2014), Title 54 of the United States Code (54 USC) Section 306108, and Title 36 of the Code of Federal Regulations (36 CFR) Part 800.

The EPA has authorized the DOH to act on behalf of the EPA regarding NHPA Section 106 notification and consultation. This letter is to request to initiate the Section 106 consultation process with the SHPO and SHPD in accordance with 36 CFR, Section 800.3.

The DOH may provide funding under the CWSRF to the County of Hawai'i, Department of Environmental Management (COH-DEM) for the Nā'ālehu Wastewater Collection System and Nā'ālehu Wastewater Treatment and Disposal System and Drainage Modifications projects.

Overview of the Undertaking

In June 2017 the EPA and the COH-DEM voluntarily entered an Administrative Order on Consent (AOC) to close three County-owned large-capacity cesspools (LCCs) in the town of Nā'ālehu. The original proposed project to close the LCCs included the construction of a new wastewater collection and transmission system to convey wastewater to a new wastewater treatment facility for processing and disposal to a land application system planted with native trees, to be established on the project site for that purpose. The construction of the wastewater treatment plant also included a 1,500-foot (ft) extension of an existing drainage channel.

Effective as of August 22, 2022, the EPA and COH-DEM voluntarily entered a Revised AOC, which identified four project alternatives for evaluation:

- Alternative #1: Package Wastewater Treatment Plant and new collection system
- Alternative #2: Package Wastewater Treatment Plant Plants connected to the existing collection system
- Alternative #3: Individual Wastewater System (IWS) – Maintenance program model
- Alternative #4: Individual Wastewater System IWS – Operating program model

COH-DEM Wastewater Division (WWD) has evaluated the four treatment alternative options, considering the technical, environmental impact, public input, legal challenges, cost, and assorted factors for the selection of a treatment option. As a result, COH-DEM and WWD have selected Alternative 1 as the preferred option.

Under Alternative 1, the County would construct a new sewer collection system in the Nā'ālehu community to replace the existing system of gravity lines that convey sewage to the three LCCs and connect it to the proposed wastewater treatment and disposal facility (*Attachment A, Figure 1*). The WWTP would serve the former Brewer lots as well as newly accessible parcels for future connection to the WWTP (*Attachment A, Figure 2*). The potential connection of additional parcels may be further assessed by the County in the future.

During construction, the County shall ensure that residential units can maintain access to the sewer system at all times. Alternative 1 involves utilizing the existing collection system within the Brewer Company house lots and constructing new gravity sewers, wastewater pump station (WWPS), and force main to transport sewage from the LCCs to the new WWTP. Alternative 1 also involves the installation of gravity sewers to replace the existing collection.

Under this alternative, the County would perform the following actions:

1. Construct a new gravity sewer on Ka'ala'iki Road and Nā'ālehu Spur Road to the WWTP located on a portion of Tax Map Key (TMK) (3) 9-5-007:016.
2. Implement drainage improvements within the vicinity of the WWTP within TMKs (3) 9-5-007:016, (3) 9-5-022:001 and (3) 9-5-021:015.
3. Construct a new pump station located on a portion of TMK: (3) 9-5-008:048, and construct a new force main, which crosses an existing storm drainage channel at Melia Street, to connect to the Ka'ala'iki Road gravity sewer.
4. Construct a new gravity sewer on Opukea Street and Ohai Road to intercept existing flow entering the LCCs and divert sewage to the WWPS and transport flows to the gravity sewer along Ka'ala'iki Road.

5. Install gravity sewers within the streets to replace the existing collection system.
6. Close and abandon the three LCCs.
7. Accommodate future expansion of subsurface effluent disposal located within a portion of TMK: (3) 9-5-022:001.

The newly accessible and potentially newly accessible lots shown in *Attachment A, Figure 2* are not considered part of the undertaking nor the APE, as the respective lot owners would be responsible for the design and completion of these connections and for the proper closure of their individual wastewater systems with their respective private properties.

Area of Potential Effect (APE) and Archaeological Inventory Survey (AIS) Project Area

The APE for the Nā'ālehu LCCs replacement project is approximately 80.4 acres. The APE, which is depicted on a 2022 aerial map (*Attachment A, Figure 3*), includes:

- The proposed treatment plant and disposal facility which will be located makai (seaward) of the Māmalahoa Highway at TMKs: (3) 9-5-007:016 and (3) 9-5-022:001. An associated drainage channel may be located on a portion of TMK: (3) 9-5-021:015;
- The location(s) of proposed pump station(s);
- The proposed collection system primarily in the County streets of Nā'ālehu;
- The locations of three LCCs which will be decommissioned; and
- Community parcels currently connected to the existing County system.

The AIS for the project area comprises a 49.62-acre portion of the overall APE (*Attachment A, Figure 3*). The AIS project area includes all the components of the APE listed above except for the currently connected community parcels. All project staging will be confined within the AIS project area limits at the proposed treatment plant and sewer pump station site(s).

Archaeological Background

Six archaeological studies predating the current undertaking have been identified within or in the immediate vicinity of the APE. These studies are depicted in relation to the project area in *Attachment A, Figure 4* and summarized in *Attachment B, Table 1*. Twenty-six historic properties documented during three of these prior studies are within 1 km of the current APE; these sites are shown in *Attachment A, Figure 4* and summarized in *Attachment B, Table 2*.

In 2005 Haun and Associates conducted an AIS of an approximately 1.0-acre area located southeast of the current APE (Haun and Henry 2005). Extensive prior impacts by historic and modern ranching activity were observed. No archaeological features were documented, and no further work was recommended. Based on the lack of findings the study was termed an "archaeological assessment" pursuant to HAR §13-284-5(5[A]).

In 2006 Cultural Surveys Hawai'i (CSH) undertook a literature review and field inspection (LRFI) for two Ka'ū District schools as part of a state-wide Department of Education (DOE) wastewater systems improvement project. One of the two schools was Nā'ālehu Elementary and Intermediate School, located across the Māmalahoa Highway from the southeastern portion of the current APE (Hammatt and Shideler 2006). The LRFI included data for Land Commission Awards in the vicinity of the school and noted that Nā'ālehu Elementary School is listed on the Hawai'i Register of Historic Places. An on-site archaeological monitoring program was

recommended. In 2009 CSH undertook archaeological monitoring for the project (Wilkinson et al. 2009); no cultural materials were exposed during project excavations.

In 2008 Rechtman Consulting conducted an AIS of 42.5 acres overlapping the western portion of the current APE (Clark et al. 2008). The study documented three newly identified historic properties associated with historic-era ranching and sugar plantation activities: SIHP #s 50-10-74-26408 (complex of stone and concrete-lined trenches representing possible latrines), -26409 (concrete water trough), and -26410 (core-filled boundary wall). No further work was recommended for these sites. Of the documented sites, SIHP # -26409 (a concrete trough) is closest to the current APE but does not overlap it (*Attachment A, Figure 4*).

In 2011 Rechtman Consulting completed an AIS of 2.24 acres located across the Māmalahoa Highway from LCCs 3 and 4 in the current APE (Rechtman 2011). The study documented six newly identified historic properties associated with historic land use, shown in *Attachment A, Figure 4*: SIHP #s 50-10-74-28925 (post-1938 residential complex); -28926, -28927, and -28990 (three discrete mid-nineteenth century stone walls); -28928 (core-fill-walled enclosure); and -28929 (complex of historic rock clearing mounds). Archaeological monitoring was recommended for the initial project ground disturbance.

In 2013 Rechtman Consulting completed an AIS of 1,044 acres at TMK: (3) 9-5-010:001, east of the proposed treatment plant facility portion of the current APE (Clark et al. 2013). The survey, which extended down to the coast, documented 204 historic properties, including 12 previously documented sites and 192 newly documented sites. Sites documented within 1 km of the current APE are shown in *Attachment A, Figure 4*. A wide array of pre-Contact and historic era features were recorded for habitation, windbreaks and shelters, burials, ceremonies, petroglyphs, papamū, agriculture, transportation, and ranching. The northwestern corner of the 2013 study abuts the current APE along the proposed gravity sewer corridor near the WWTP plant site. A historic ranch complex (SIHP # 50-10-74-29507) was documented overlapping with parcel 016 just downslope; a portion of this site is situated within the northeastern corner of the proposed drainage channel modification area (*Attachment A, Figure 4*). A historic ranch wall (SIHP # 50-10-74-29505) was also recorded in the vicinity. All other sites that Clark et al. (2013) recorded are well away from the current APE.

CSH completed a literature review analysis for the current undertaking (Purdy et al. 2020) to determine the likelihood that historic properties may be affected by the project and, based on findings, consider cultural resource management recommendations to facilitate project planning and support the project's historic preservation and environmental review compliance. The literature review determined the project area extends along or crosses at least two significant historic roadway alignments, including an undocumented segment of Māmalahoa Highway (SIHP # 50-10-47-30187) and Ka'ala'iki Road, also known as the "Cane Haul Road." The concrete flood drainage channel crossed by the project area between Ka'ala'iki Road and Maile Street was built in 1965 and is therefore a historic property. Other constructions within the project area may also be greater than 50 years old. Purdy et al. (2020) also noted the site of the WWTP has not been subjected to prior archaeological survey and may contain remnants of ranching activities or other historic land use, or pre-Contact features located within lava tubes or other areas not disturbed by historic activities. The results of the literature review indicate additional archaeological work is warranted for the Nā'ālehu LCC replacement project; this assessment is in accord with the SHPD 21 January 2020 §6E-8 Historic Preservation Review letter (Log. No.: 2019.01550; Doc. No.: 2001SN20) requesting additional information about the

project. An AIS will be completed to fulfill SHPD's request to identify and inventory historic properties within the project area.

Consultations

Section 106 consultation letters have also been sent to Native Hawaiian organizations, consulting parties, and/or interested persons that might attach significance to this area and have invited them to participate in the process. The mailing list is provided in *Attachment C*.

We welcome any comments that you may have on this project's proposed improvements.

We are particularly interested in any information you may have on the historic and cultural sites that have been recorded in the area. In addition, if you are acquainted with any persons or organizations that are knowledgeable about the proposed project area or any descendants with ancestral, lineal, or cultural ties to, cultural knowledge or concerns for, and/or cultural or religious attachment to the proposed project area, then we would appreciate receiving their names and contact information.

We would appreciate a written response within thirty (30) calendar days from receipt of this letter. Please address any written comments to email: Chane.Hayashida@doh.hawaii.gov or the following address:

Attn: Chane Hayashida
Department of Health, Wastewater Branch
2827 Waimano Home Road, Room 207
Pearl City, HI 96782

Should you have any questions, please contact Chane Hayashida at (808) 586-4294.

Sincerely,



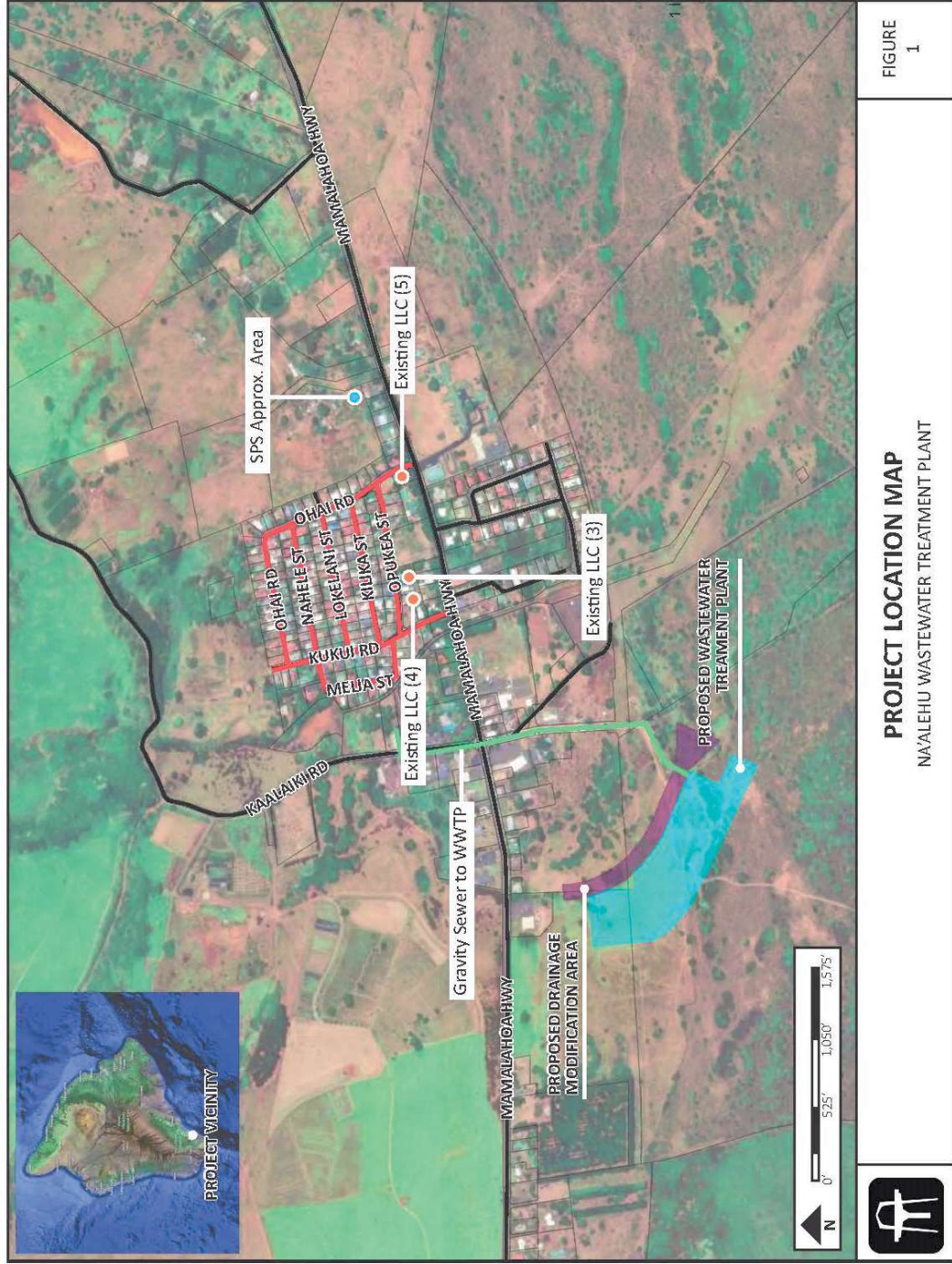
JONATHAN NAGATO, P.E., ACTING CHIEF
Wastewater Branch

Attachments

CH:jn

C: Ramzi Mansour (via email at Ramzi.Mansour@hawaiicounty.gov)
Chris Sparber (via email at Chris.Sparber@hawaiicounty.gov)
Mark Grant (via email at MarkJ.Grant@hawaiicounty.gov)

ATTACHMENT A



PROJECT LOCATION MAP
NA'ALEHU WASTEWATER TREATMENT PLANT

FIGURE
1

Figure 1. Project location map showing the existing LLCs scheduled for closure, and other project components (courtesy Wilson Okamoto Corp.)

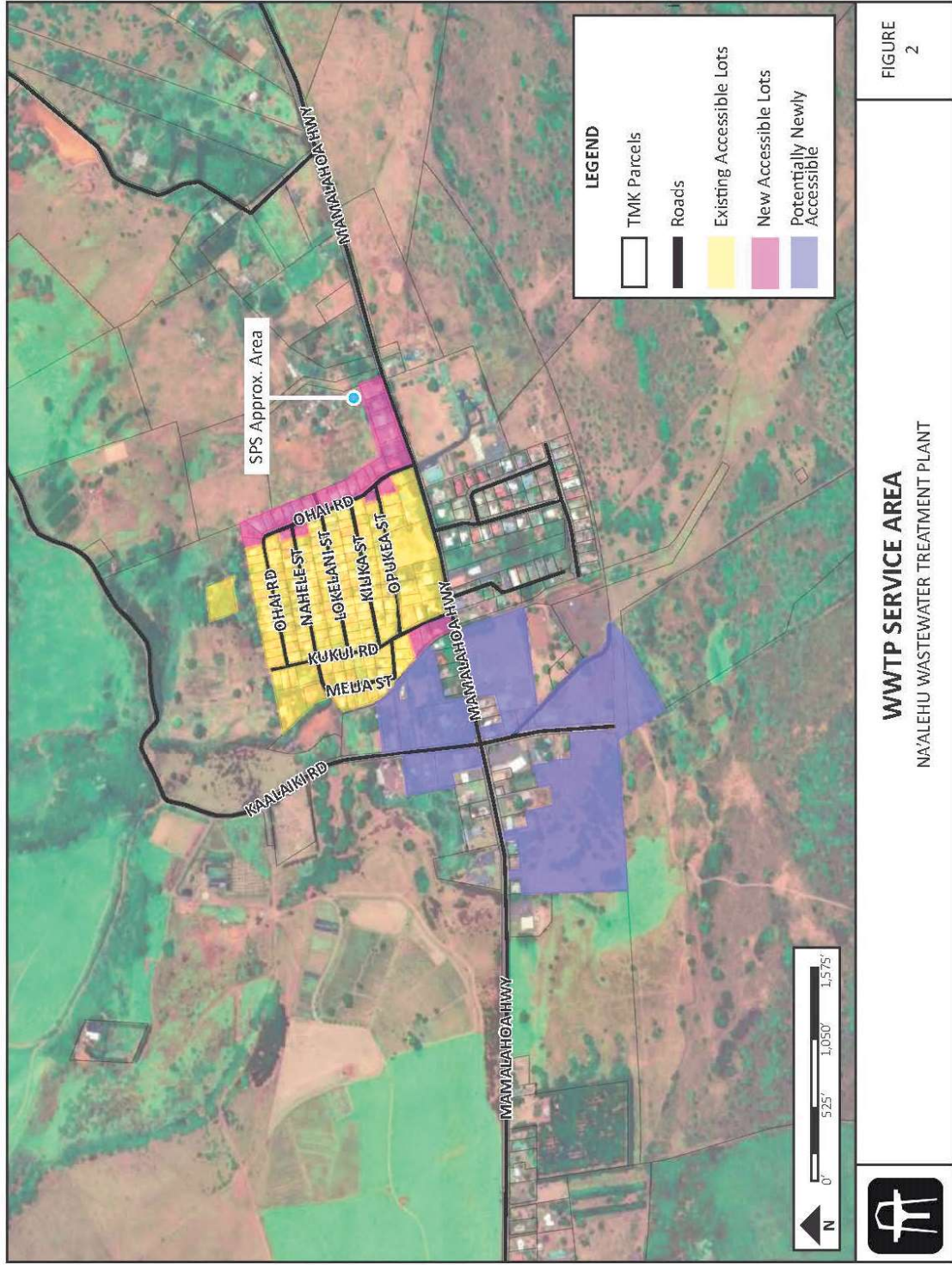


FIGURE 2

Figure 2. Map showing the proposed WWTP service area (courtesy Wilson Okamoto Corp.)

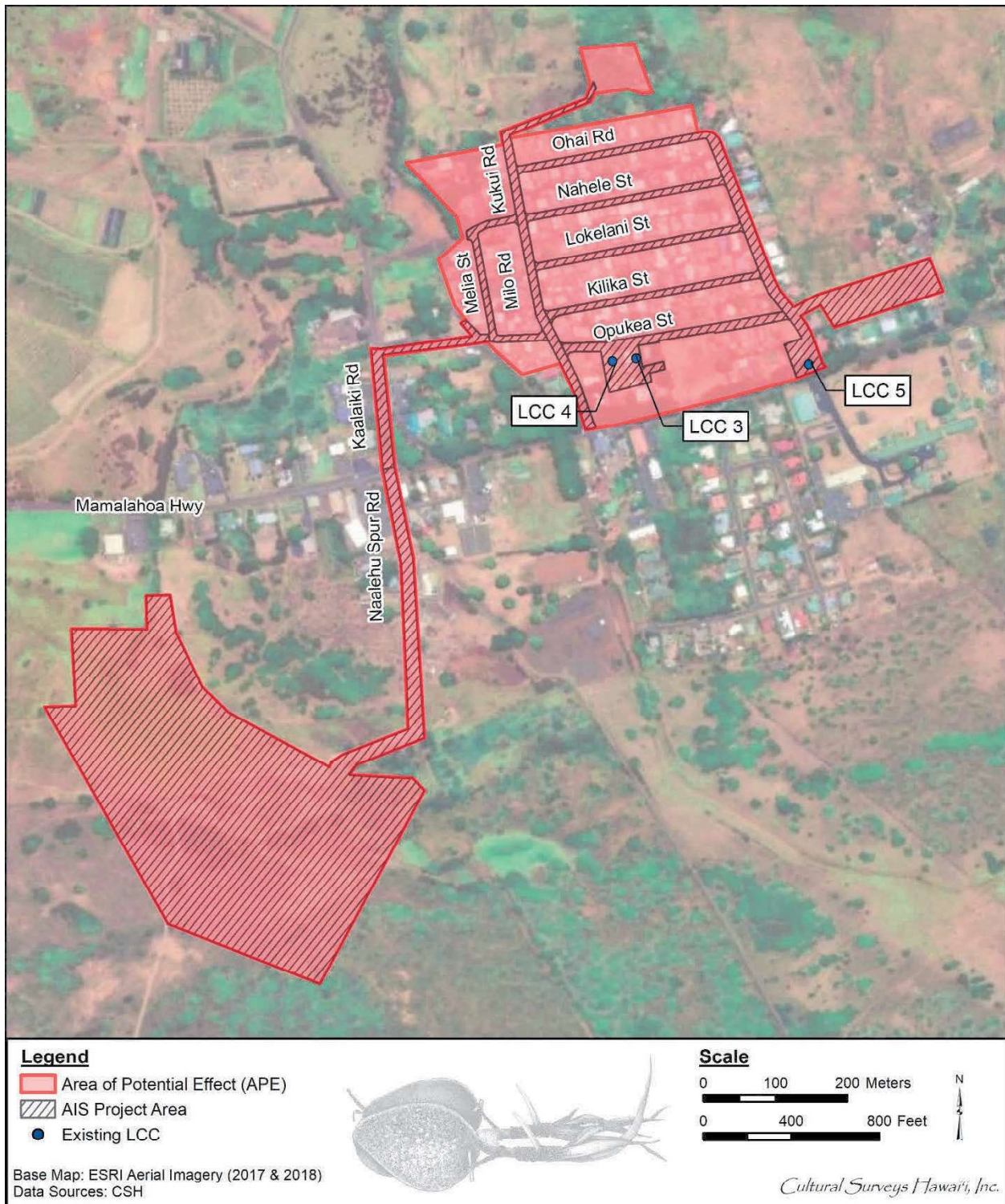


Figure 3. Aerial photograph (ESRI 2022) showing the locations of the Area of Potential Effect (APE), AIS project area, and existing Large Capacity Cesspools (LCCs)

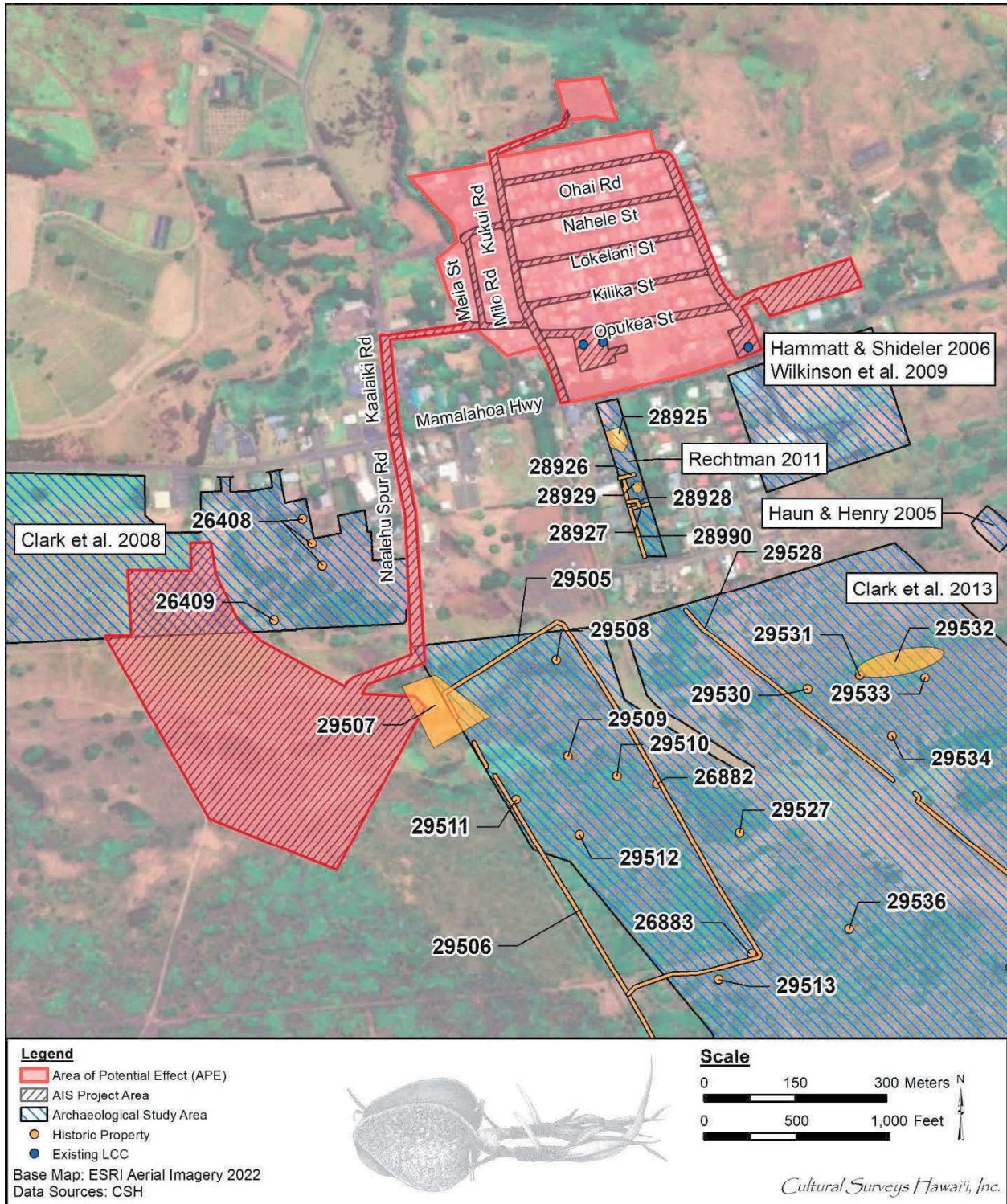


Figure 4. Aerial photograph (ESRI 2022) showing previous archaeological studies and historic properties documented 1 km of the APE

ATTACHMENT B

Table 1. Previous archaeological studies in the vicinity of the APE

Reference	Type of Study	Location	Results
Haun and Henry 2005	Archaeological inventory survey	1 acre in Kaunāmano Ahupua‘a; TMK: (3) 9-5-011:001 por.	No historic properties identified; noted extensive prior impacts throughout project area
Hammatt and Shideler 2006	Archaeological literature review and field inspection	Nā‘ālehu Elementary School; TMKs: (3) 9-5-009:006, 015	Recommended on-site archaeological monitoring
Clark et al. 2008	Archaeological inventory survey	42.5 acres in Kāhilipalinui and Kāwala Ahupua‘a; TMKs: (3) 9-5-021:015 and (3) 9-5-022:001	Documented three newly identified historic properties: SIHP #s 50-10-74-26408, -26409, and -26410, all associated with historic period land use; none of these historic properties appear to be located within the current project area
Wilkinson et al. 2009	Archaeological monitoring	Nā‘ālehu Elementary School; TMKs: (3) 9-5-009:006, 015	No significant resources documented during monitoring
Rechtman 2011	Archaeological inventory survey	2.24 acres in Kāwala Ahupua‘a; TMK: (3) 9-5-009:003	Documented six newly identified historic properties: SIHP #s 50-10-74-28925, -28926, -28927, -28928 and -28990
Clark et al. 2013	Archaeological inventory survey	1,044 acres in Kāhilipalinui and Kāwala Ahupua‘a; TMK: (3) 9-5-010:001	Documented 204 historic properties of which 12 were previously documented and 192 were newly recorded; sites comprised a wide array of pre-Contact and historic era features used for including habitation, windbreaks and shelters, burials, ceremony, petroglyph, papamū, agriculture, transportation, and ranching; in closest proximity to current project area are SIHP #s 50-10-74-29505, historic wall, and -29507, historic ranching complex

Table 2. Historic properties previously documented within 1 km of the current APE

SIHP # (50-10-74-)	Formal Type	# of Features	Function	Age	Reference
26408	Concrete trenches	3	Ranching	Historic	Clark et al. 2008
26409	Concrete trough	1	Ranching	Historic	Clark et al. 2008
26882	Enclosure	1	Habitation	Precontact	Clark et al. 2013
26883	Platform	1	Marker	Historic	Clark et al. 2013
28925	Residential complex	8	Habitation	Historic	Rechtman 2011
28926	Wall	1	Former enclosure	Historic/modern	Rechtman 2011
28927	Wall	1	Former enclosure	Historic/modern	Rechtman 2011
28928	Wall	1	Enclosure	Historic/modern	Rechtman 2011
28929	Rock piles	4	Clearing	Historic	Rechtman 2011
28990	Wall	1	Boundary	Historic/modern	Rechtman 2011
29505	Core-filled wall	1	Ranching/boundary	Historic	Clark et al. 2013
29506	Core-filled wall	1	Ranching/boundary	Historic	Clark et al. 2013
29507	Complex	7	Ranching	Historic	Clark et al. 2013
29508	Concrete trough	1	Ranching	Historic	Clark et al. 2013
29509	Modified outcrop	3	Habitation	Precontact	Clark et al. 2013
25910	Lava tube	1	Habitation	Precontact	Clark et al. 2013
29511	Terrance remnant	1	Indeterminate	Unknown	Clark et al. 2013
29512	Wall remnant	1	Indeterminate	Unknown	Clark et al. 2013
29513	Pavement remnant wall/modified outcrop	1	Habitation	Precontact	Clark et al. 2013
29527	Wall remnant	1	Boundary	Historic	Clark et al. 2013
29528	Core-filled wall	1	Ranching/boundary	Historic	Clark et al. 2013
29530	Modified sink	1	Possible burial	Precontact	Clark et al. 2013
29531	Enclosure remnant	1	Habitation	Precontact	Clark et al. 2013
29532	Modified sink	1	Agriculture	Precontact/historic	Clark et al. 2013
29533	Modified sink/lava tube	1	Habitation	Precontact	Clark et al. 2013
29534	Enclosure	1	Ceremonial	Precontact	Clark et al. 2013
29536	Enclosure/enclosure remnant	2	Habitation	Precontact/historic	Clark et al. 2013

ATTACHMENT C

Native Hawaiian Organizations (NHOs) and Other Consulted Parties

Contact	Affiliation	Contact Info
SHPO		
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NHOs and Individuals		
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Dr. Kana'iaupuni, Shawn	President and CEO, Partners in Development Foundation	2040 Bachelot Street Honolulu, HI 96817 (808) 595-2752 pid@pidfoundation.org
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Fergerstrom, Hanalei	Spokesperson, Na Kupuna Moku O Keawe	P.O. Box 951 Kurtistown, HI 96760 (808) 938-9994 hankhawaiian@yahoo.com
Fontes, Ann	President, Friends of Ka'ū Libraries	PO Box 400 Pahala, HI 96777 (808) 987-7748 afontes@hawaiiantel.net
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Ferreira, Stacy Kealohalani Cc: Kamakana Ferreira (Lead Compliance Specialist), Lauren Morawski (Compliance Archaeologist), Shane Nelson (Community Outreach Advocate)	CEO, Office of Hawaiian Affairs	560 N. Nimitz Highway, Ste 200 Honolulu, HI 96718 (808) 594-1835 kamakanaf@oha.org laurenm@oha.org shanen@oha.org
Jackson, Anela	President, 'Aha Mālama, Corp.	91-200 Leimao Place Kapolei, HI 96707 (808) 694-9232 ahamalama.anela@gmail.com
Ka'awa, Nohea	<i>Kama'āina</i> of Ka'ū and works for the DLNR	kaawa.nohea@gmail.com
Scott Mahoney c/o Jordan Calpito and Christian Omerod, SHPD Burial Sites Specialists Cc: Desmon Haumea (Ka'ū Rep)	Chair, Hawai'i Island Burial Council	SHPD Hilo Office 40 Po'okela Street Hilo, HI 96720 jordan.v.calpito@hawaii.gov christian.omerod@hawaii.gov
Kalili, Dre	President, Association of Hawaiian Civic Clubs	P.O. Box 1135 Honolulu, HI 96807 ahcc.nuhou@gmail.com
Kawachi, Wayne	<i>Kama'āina</i> of Ka'ū and President of 'O Ka'ū Kākou organization	'O Ka'ū Kākou PO Box 365 Pahala, HI 96777 okaukakou.org@gmail.com
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Makuakane, Paul	Aha Moku Council, Ka'ū Representative	pmaku808@yahoo.com
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Ragsdale, Dennis W.	Advocate General, Order of Kamehameha I	1777 Ala Moana Blvd, #142-102 Honolulu, HI 96815-1603 (808) 235-2425 order@kamehameha-1.org
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