April 8, 2019

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
Email: dnr.intake.shpd@hawaii.gov

Dear Dr. Downer:

Subject: National Historic Preservation Act (NHPA)
Request to Initiate Section 106 Consultation
Wailua Sewage Pump Station (SPS) No. 1 Rehabilitation
Clean Water State Revolving Fund Project No. C150055-11
Wailua, Island of Kaua‘i, Hawai‘i
TMK: (4) 3-9-006:019

On behalf of the Environmental Protection Agency (EPA), the State of Hawai‘i Department of Health (DOH) would like to invite you to participate in consultation for the proposed Wailua Sewage Pump Station (SPS) No. 1 Rehabilitation project located in Wailua, Island of Kaua‘i, Hawai‘i (Figure 1).

The proposed project will utilize federal funding that is administered by the DOH through the Clean Water State Revolving Fund (CWSRF) and will be considered a federal action and undertaking, as defined by Section 106 of the National Historic Preservation Act (NHPA) of 1966, as amended (2006).

The EPA has authorized the DOH to act on behalf of the EPA regarding NHPA Section 106 notification and consultation. This letter is to initiate Section 106 consultation with the State Historic Preservation Division (SHPD) in accordance with Title 36 of the Code of Federal Regulations (CFR), Section 800.3.

The proposed project is located at the existing Wailua Wastewater Treatment Plant (WWTP) in Wailua, Kaua‘i. The Wailua WWTP is located at 4460 Na‘u Road on Tax Map Key (TMK) parcel (4) 3-9-006:019. A Location Map is enclosed in Attachment A.

The project’s Area of Potential Effect (APE) encompasses approximately 0.05 acres within the Wailua WWTP. Figure 1 shows the APE of the project. The project will not expand the footprint of the Wailua SPS No. 1 or disturb a substantial amount of new area within the County-owned parcel.
The Wailua WWTP was originally constructed in 1964 and the County’s Tax Assessor information shows 1977 as the effective year built. The project site has been subjected to four phases of construction due to the development of the municipal WWTP.

The Wailua SPS No. 1 is mostly an underground structure consisting of a cast-in-place concrete wet well, which appears to be in good condition and a separate pre-fabricated steel dry well that has deteriorated to the end of its useful life.

Proposed work at the Wailua SPS No. 1 involves the installation of two new submersible pumps in the wet well, which will allow the existing dry well to be abandoned and the installation of new valves, piping, a flow meter, pipe supports, electrical and control wiring, and control panels. Other proposed actions include structural modifications to the wet well structure, piping reconfiguration, and electrical improvements including the replacement of area lighting.

Proposed work is expected to involve conventional open-cut trenching with anticipated excavation depths ranging from approximately 3 to 11 feet below the existing ground elevation. To avoid interruptions in sewer service, temporary bypass pumps and piping will be installed within the County-owned parcel during construction. The proposed new piping will be mostly above-ground. Design drawings showing the proposed improvements are provided in Attachment A.

The County of Kaua‘i, Department of Public Works (COK-DPW) submitted a request for Letter of No Effect per Hawai‘i Revised Statutes Chapter 6E and Hawai‘i Administrative Rules §13-275 to the SHPD in a letter dated April 30, 2018. SHPD concurred with the no historic properties affected determination in a letter dated June 12, 2018. Since this determination was issued, the APE has expanded to include additional electrical and instrumentation conduits, installation of a junction box, and additional piping reconfiguration. However, the APE remains within the existing Wailua WWTP facility. Historic properties are not located within the APE and the project site is not listed on the National and State Register of Historic Places. We believe no historic properties at the Wailua SPS No. 1 facility or within the parcel containing the Wailua WWTP will be affected by the project, which involves improvements within developed areas of the site. In the unlikely event that subsurface historic resources are discovered during ground disturbing activities, work in the vicinity of the find will cease and the SHPD will be contacted immediately.

Native Hawaiian Organizations (NHOs) and other organizations or individuals that might attach significance to this area will be sent consultation letters regarding the subject project concurrently with this consultation letter. A list of NHOs being consulted are included in Attachment B.

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 you may have to email jonathan.nagato@doh.hawaii.gov or the following:

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

Should you have any questions, please call Jon Nagato of our Branch at 586-4294.

Sincerely,

SINA PRUDER, P.E., CHIEF  
Wastewater Branch

JN:sp  
c: Mr. Jason Kagimoto, OCK-DPW (via email at JKagimoto@Kauai.gov)  
Mr. Donn Kakuda, COK-DPW (via email at DKakuda@Kauai.gov)  
Mr. Joe Kwan, The Limtiaco Consulting Group (via email at joe@tlcghawaii.com)
COUNTY OF KAUA'I

LYDGATE PARK
TMK (4) 3–9–006:001

WAILUA WWTP
TMK (4) 3–9–006:019

EXIST. MCC BUILDING

EXIST. SLUDGE DRYING BED

EXIST. FILTER BAY BUILDING

NALU RD (COUNTY)

AREA OF POTENTIAL EFFECT = 0.05 ACRES

File: L:\1. PROJECTS\14 - COUNTY OF KAUA'I\11401 Wailua SPS1 Rehabilitation\APPS & PERMITS\SHPD Determination Letter\Figures\Figure 1 - APE.dwg

THE LIMITACO CONSULTING GROUP

WAILUA
SEWAGE PUMP STATION NO. 1
REHABILITATION PROJECT

Area of Potential Effect
# Wailua Sewage Pump Station (SPS) No. 1 Rehabilitation

**Location:** Wailua, Kaua‘i, Hawaii

**TMK:** 4-3-006:19

**Prepared For:**

**Prepared By:** The Limtiaco Consulting Group

## Location Map

![Location Map](image)

## Index of Drawings

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**Date:**

- Owner of Record:__________
- Department of Planning Planning Department County of Kaua‘i:__________
- Owner of Record:__________
- Department of Planning Planning Department County of Kaua‘i:__________
- Owner of Record:__________
- Department of Planning Planning Department County of Kaua‘i:__________
GENERAL STRUCTURAL NOTES

1. Minimum concrete cover for reinforcement shall be 50 mm (3") per UL Maximum Service Loads Requirement.

2. Reinforcing steel shall be A500, Grade B.

3. Columns shall be of same size and spacing and shall be in the same plane as the slab to which they are adjacent unless otherwise required.

4. Splices and bends in reinforcement shall be a minimum of 40 diameters unless otherwise required. If there is insufficient room to form proper bending, it shall be cut per UL Maximum Service Loads Requirement.

5. Reinforcing ribs and hooks shall conform to UL 790-96.

6. All wires shall consist of approved material of the Manufacturer's specifications for UL Maximum Service Loads. Conduit shall be of the manufacturer's HDPE conduit, listed for use in the plumbing industry. All wires shall be UL listed and shall meet the requirements of any applicable UL specifications.

7. See Contract Documents for full details on the installation of any equipment or pipework.

8. Concrete shall be placed in accordance with the manufacturer's instructions and shall meet the requirements of UL Maximum Service Loads Requirement.

9. All concrete shall be placed in accordance with the manufacturer's instructions and shall meet the requirements of UL Maximum Service Loads Requirement.

10. Conduit shall be installed in accordance with the manufacturer's instructions and shall meet the requirements of UL Maximum Service Loads Requirement.

11. New wet well area 60 in diameter reinforced concrete pipe connecting to main line shall be a concrete pipe 60 in diameter.

SPECIAL INSPECTION NOTES

1. Special inspection is required of all concrete and reinforcing steel as specified in the Contract Documents.

2. The following structural work for the project requires special inspection:
   - Concrete
   - Reinforcing steel

3. The minimum requirements for the special inspection shall be as specified in Contract Documents.

4. If the inspector is satisfied with the quality of all the concrete and reinforcing steel, he shall issue a satisfactory report to the architect of record.

5. The inspector shall be responsible for inspecting all the concrete and reinforcing steel and shall issue a satisfactory report to the architect of record.

6. The inspector shall be responsible for checking all the concrete and reinforcing steel as specified in the Contract Documents.

7. The inspector shall be responsible for inspecting all the concrete and reinforcing steel and shall issue a satisfactory report to the architect of record.

ABBREVIATIONS

- H/D: Head/Distance
- CON: Concrete
- REIN: Reinforcing steel
- SD: Service Drop
- G/S: Ground Source
- P/S: Power Source
- EX: Exterior
- INT: Interior
- WP: Waterproofing

WALUWAL SEWAGE PUMP STATION (RPS) NO. 1
REHABILITATION

MKS-143456

SUMMARY SHEET

STRUCTURAL NOTES, KEY PLAN, TYPICAL DETAILS

GRAPHIC SCALE

ATTACHMENT A
### ELECTRICAL SYMBOLS

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<tr>
<td>G</td>
<td>Grounded</td>
</tr>
<tr>
<td>L</td>
<td>Live</td>
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<tr>
<td>N</td>
<td>Neutral</td>
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<tr>
<td>PE</td>
<td>Protective Earth</td>
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(Note: The table lists symbols for electrical components such as earthed, grounded, live, neutral, and protective earth.)

### GENERAL NOTE

1. **ELECTRICAL CODE**: Adhere to the electrical code regulations in force at the time of construction.
2. **CONSTRUCTION**: Contractor shall inform the owner of any deviation from the electrical code, and the owner may then order changes to be made by the contractor.
3. **ELECTRICAL MATERIALS**: Only approved electrical materials shall be used in accordance with the electrical code.
4. **ELECTRICAL INSTALLATION**: All electrical installations shall comply with the local electrical code.

### GENERAL CONSTRUCTION NOTES

1. **ELECTRICAL SYSTEM**: All electrical systems shall be designed and installed in accordance with the local electrical code.
2. **ELECTRICAL INSTALLATION**: All electrical installations shall be checked and tested by a qualified electrician.

(Note: The note includes guidelines for electrical installation and compliance with local electrical codes.)
EXIST 100 A MAIN LUGS ONLY
PANEL 240 / 120 VOLTS, 1-PHASE, 3-WIRE
"LP" 10000 A.I.C. INDUSTRIAL-BOLTED TYPE, FLUSH MOUNTED
CKT. USE: L-LTS, R-RECEP, WIRE WIRE USE: L-LTS, R-RECEP, CKT.
NO. PFB-PROVISION FUTURE BKR., SIZE SIZE PFB-PROVISION FUTURE BKR., NO.
S-SPARE, F-FAN, W-WARMER POLE AMPS POLE AMPS S-SPARE, F-FAN, W-WARMER
1 NL 1 20 12 1.2 1.2 12 1 20 R-OFFICE AC 2
3 L-OFFICE 1 20 12 1.0 1.2 12 1 20 R-LAB AC 45 L-AREA LIGHT 1 20 12 1.0 1.2 12 1 20 R-LAB COUNTER 6
7 HEATER 1 20 12 1.0 0.5 12 1 20 LAB A/C 8
9 L-LIGHT POLE (*) 1 20 12 1.0 0.5 12 1 20 S 1011 INFLUENT SAMPLER 1 20 12 1.0 1.0 12 1 20 APPLIANCE-OVEN 12
13 R-OFFICE AND TELEMETERING 1 20 12 1.0 0.5 1 30 S 14
15 S 1 20 0.5 0.0
CONNECTED LOAD PER PHASE 3.0 4.5
DEMAND LOAD PER PHASE 2.4 3.6
7.5
(*)  NEW LOAD ON EXISTING CIRCUIT BREAKER 80%
6.0
30.0
HIGH LEG (AMPS)

ONE-LINE DIAGRAM

2 \ NIGHT LIGHT CONTROL DIAGRAM
1. CHANNEL MOUNTED JUNCTION BOX DETAILS WITH CONDUIT Stub INTO WET WELL

2. PUMP MOTOR DISCONNECT SWITCH WET WELL MOUNTING DETAILS

3. WEATHERPROOF ENCLOSURE AND COVER DETAIL
Area Light Detail

With reference to the diagram:

1. The normal conditions must have been met, and all steel parts must be properly aligned.
2. Provide necessary cover for rebar and post-construction.
3. Concrete and rebar must be bonded. Ties must be inserted from the bottom up.
4. Drilled holes must be drilled to accommodate the washout (1/4" dia. x 6") without damaging the structure.

Details:
- Anchor bolts (4)
- Concrete foundation
- Stainless steel tie-down bolts
- 1/4" dia. x 6" long (as required)
- Concrete foundation 3000 psi
- 20 days, four concrete anchor embedded size
- For area light detail

NOTE:
- All normal conditions must have been met. All steel parts must be properly aligned. The normal conditions are as follows:
- Provide necessary cover for rebar and post-construction.
- Concrete and rebar must be bonded. Ties must be inserted from the bottom up.
- Drilled holes must be drilled to accommodate the washout (1/4" dia. x 6") without damaging the structure.

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<td>Association of Hawaiian Civic Clubs</td>
<td>Ms. Annelle Amaral, President Association of Hawaiian Civic Clubs P.O. Box 1135</td>
</tr>
<tr>
<td></td>
<td>Honolulu, HI 96807</td>
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<tr>
<td>Nā Kuleana o Kānaka ʻŌiwi</td>
<td>Ms. Donna Kaliko Santos Nā Kuleana o Kānaka ʻŌiwi P.O. Box 1541 Līhuʻe, HI 96766</td>
</tr>
<tr>
<td>Na Mookupuna O Wailua</td>
<td>Mr. Noa Mau-Esperito 6200 Olohena Road, Unit A Kapaa, HI 96746</td>
</tr>
<tr>
<td>Office of Hawaiian Affairs</td>
<td>Dr. Kamanaʻopono M. Crabbe, Ph.D. Ka Pouhana, Chief Executive Officer Office of hawaiian Affairs 560 N. Nimitz Hwy., Suite 200 Honolulu, HI 96817</td>
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