Submittal Review Response

Project Name:	***Hilo WWTP Rehabilitation and Replacement Project Phase 1***
Submittal No.:	***01722-001.0***
Date:	***4/16/2025***

Client:	County of Hawai‘i	**Carollo Project No.:**	203975
Contractor:	Nan, Inc.		
Submittal Name:	Surveyor Qualification		
Reviewed By:	Gavin Goo		

SUBMITTAL REVIEW		
Review is for general compliance with contract documents. No responsibility is assumed by Carollo for correctness of quantities, dimensions, and details. No deviation or variation is approved unless specifically addressed in these review comments. Refer to Section 01330 for additional requirements. The Contractor shall assume full responsibility for coordination with all other trades and deviations from contract requirements.		
Approved	☒	No Exceptions
	☐	Make Corrections Noted - See Comments
	☐	Make Corrections Noted - Confirm
Not Approved	☐	Correct and Resubmit
	☐	Rejected - See Remarks
Receipt Acknowledged	☐	Filed for Record
	☐	With Comments - Resubmit

Review Comments:

1. None

CONTRACTOR SUBMITTAL TRANSMITTAL FORM

Owner:	County of Hawaii	**Date:**	4/16/2025
Contractor:	Nan, Inc.	**Project No.:**	WW-4705R
Project Name:	WWTP	**Submittal Number:**	01722-001.0
Submittal Title:	Surveyor Qualifications		
To:	Engineer		
From:	Nan Inc.		

Specification No. and Subject of Submittal / Equipment Supplier			
Spec ##:	01722	**Subject:**	Surveyor Qualifications
Authored By:	Stan Kubo	**Date Submitted:**	4/15/2025

Submittal Certification

Check Either (A) or (B):

[X] (A) We have verified that the equipment or material contained in this submittal meets all the requirements specified in the project manual or shown on the contract drawings with no exceptions.

[ ] (B) We have verified that the equipment or material contained in this submittal meets all the requirements specified in the project manual or shown on the contract drawings except for the deviations listed.

Certification Statement: By this submittal, I hereby represent that I have determined and verified all field measurements, field construction criteria, materials, dimensions, catalog numbers and similar data, and I have checked and coordinated each item with other applicable approved shop drawings and all Contract requirements.

General Contractor's Reviewer's Signature: for S Kubo

Printed Name and Title: Stan Kubo, CQC Manager

In the event, Contractor believes the Submittal response does or will cause a change to the requirements of the Contract, Contractor shall immediately give written notice stating that Contractor considers the response to be a Change Order.

Firm:	**Signature:**	**Date Returned:**

PM/CM Office Use

Date Received GC to PM/CM:

Date Received PM/CM to Reviewer:

Date Received Reviewer to PM/CM:

Date Sent PM/CM to GC:

Nan, Inc

PROJECT: HILO WWTP REHABILITATION AND REPLACEMENT PROJECT - PHASE 1

JOB NO. WW-4705R

THIS SUBMITTAL HAS BEEN CHECKED BY THIS CONTRACTOR. IT IS CERTIFIED CORRECT, COMPLETE, AND IN COMPLIANCE WITH CONTRACT DRAWINGS AND SPECIFICATIONS. ALL AFFECTED CONTRACTORS AND SUPPLIERS ARE AWARE OF, AND WILL INTEGRATE THIS SUBMITTAL (UPON APPROVAL) INTO THEIR OWN WORK.

DATE RECEIVED 4/16/2025
SPECIFICATION SECTION # 01722
SPECIFICATION Field Engineering
PARAGRAPH 1.02B
DRAWING N/A
SUBCONTRACTOR N/A
SUPPLIER N/A
MANUFACTURER N/A

CERTIFIED BY: Stan Kubo, CQC Manager

SECTION 01722

FIELD ENGINEERING

PART 1 GENERAL

1.01 SUMMARY

A. Section includes: Field engineering to establish lines and grades (lines and levels) for the Work.

1.02 SUBMITTALS

A. Submit as specified in Section 01330 - Submittal Procedures.

B. Qualifications of the professional land surveyor that will be performing the field engineering.

C. Pre-Excavation Report.

1.03 PRE-EXCAVATION REPORT

A. Prior to the start of the Work, create a report confirming the verification of the following data:
   1. Site elevation.
   2. Existing structures including but not limited to buildings, manholes (sanitary, storm, electrical, and other), drainage inlets:
      a. Location coordinates.
      b. Top of wall elevation and coordinates.
      c. Floor elevations.
      d. Invert elevations.
   3. Existing utilities as specified in Section 02280 - Subsurface Utility Engineering.
   4. Proposed building corners, tank, and equipment locations.
   5. Verify existing electrical, instrumentation, and phone utilities.

B. Incorporate information from Pre-Excavation Report into the record drawings.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION

3.01 SURVEY REFERENCE POINTS

A. Basic reference line, a beginning point on basic reference line, points with referenced coordinates, and a benchmark will be provided by Owner.

B. From these reference points, establish other control and reference points as required to properly lay out the Work.

C. Locate and protect control points prior to starting site work, and preserve permanent reference points during construction:
   1. Make no changes or relocations without prior written notice.
   2. Replace Project control point, when lost or destroyed, in accordance with original survey control.

D. Set monuments for principal control points and protect them from being disturbed and displaced:
   1. Re-establish disturbed monuments.
   2. When disturbed, postpone parts of the Work that are governed by disturbed monuments until such monuments are re-established.

3.02 PROJECT SITE SURVEY REQUIREMENTS

A. Perform verifications and checking in accordance with industry standard surveying practice.

B. Maintain complete, accurate log of control points and survey.

C. Affix professional land surveyor's signature and license number to Record Drawings to certify accuracy of information shown.

3.03 CONSTRUCTION STAKES, LINES, AND GRADES

A. Execute the Work in accordance with the lines and grades indicated.

B. Make distances and measurements on horizontal planes, except elevations and structural dimensions.

C. Stakes damaged, lost, or otherwise made unusable by any means shall be replaced by Contractor at the Contractor's expense.

3.04 QUALITY CONTROL

A. Accuracy of stakes, alignments, and grades may be checked randomly by Engineer:
   1. Notice of when checking will be conducted will be given.
   2. When notice of checking is given, postpone parts of the Work affected by stakes, alignments, or grades to be checked until checked.
   3. Engineer's check does not substitute or complement required field quality control procedures.

3.05 RECORD DOCUMENTS

A. Prepare and submit Record Documents as specified in Section 01770 - Closeout Procedures.
   1. Certified by a licensed Land Surveyor registered in the State of Hawaii.
   2. Hard copies (mylars) and AutoCAD electronic files.

END OF SECTION

STATE OF HAWAII

DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS

BOARD OF PROFESSIONAL ENGINEERS, ARCHITECTS, SURVEYORS AND LANDSCAPE ARCHITECTS

hereby certifies that on the date hereof

ARTHUR E K SEVIGNY

was duly licensed as a

LAND SURVEYOR

and is therefore authorized to practice this Profession within the State of Hawaii.

In witness whereof, this License has been issued and the Seal of the Board affixed hereto, this 4th of January, A.D 2006 at Honolulu, Hawaii.

No. 11882

Chairperson

General License

License ID
LS-11882

License Type
LAND SURVEYOR

Legal License Name
ARTHUR E K SEVIGNY

Status
CURRENT, VALID & IN GOOD STANDING

Entity Type
INDIVIDUAL

Active/Inactive
ACTIVE

Original License Date
01/04/2006

Expiration Date
04/30/2026

Restriction
--

Trade/Professional Name
--

Special Privilege
--

Conditions & Limitations
--

Class Prefix
--

Business Code
--

Business Address
--

Other Business/Person/DBA Names

Records Per Page Columns to Show Search: Filter...

Name	Effective Date	Termination Date
NO DATA AVAILABLE IN TABLE		

Showing 0 to 0 of 0 entries Previous Next

Employees List

Employees

Show 10 entries Search:

License Number
LS-11882

Expiration date
4/30/2026

STATE OF HAWAII DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS

LAND SURVEYOR

ARTHUR E K SEVIGNY

SIGNATURE OF LICENSEE

Arthur E. K. Sevigny artie@hawaiilayout.com 808-282-4269

Professional Profile

Operating Engineers Local 3 Member since 1990
Licensed Professional Land Surveyor-State of Hawaii-January 2006 - LS-11882
Hawaii Land Surveyors Association – Board Member - Vice President 2008
Hawaii Land Surveyors Association – Board Member - President 2009 & 2010
National Society of Professional Surveyors Member – NSPS 2023
Hawaii Land Surveyors Association Member 2025

Professional Experience

Community Planning Inc., Honolulu, HI
1/1988 – 9/1990
Rodman, Survey Party Chief

Responsibilities:

- In charge of survey crew on property, topographic, control, building certifications and construction surveys. Calculated elevation grades, curve deflections, direct ties etc. in the field. Rotated from field work and office computer work as needed.

SCI-EE Black Joint Venture, Honolulu, HI
9/1990 – 10/1992
Survey Party Chief

Responsibilities:

- Responsible for construction survey crew and superstructure surveys of pre-cast concrete roadway segments of the H3 Windward Viaduct (Haiku, Oahu, Hawaii). Worked primarily at the bridge site but worked at the precast yard as well. Duties included settlement monitoring, field calculations of roadway horizontal and vertical alignments, mass grading and as-built surveys.

EE Black-SCI Joint Venture, Honolulu, HI
11/1992 – 4/1994
Survey Party Chief

Responsibilities:

- In charge of construction survey crew and superstructure surveys of pre-cast concrete roadway segments of the Kaneohe Interchange (Kaneohe, Oahu, Hawaii). Worked primarily at the bridge site but at the precast yard as well. Duties included settlement monitoring, field calculations of roadway horizontal and vertical alignments, mass grading and as-built surveys.

Professional Experience Continued

Hawaiian Dredging & Construction, Honolulu, HI
5/1994 – 11/1996
Survey Party Chief

Responsibilities:

- Projects included housing, buildings, civil, bridges, tunnels, high rise and waterfront surveys. On site surveyor at the Sheraton Maui Redevelopment Project. Responsible for checking controls, property lines, benchmarks, building grid layout, calculations, plotting and meeting deadlines.

Ronald Casuga, Honolulu, HI
11/1996 – 7/1998
Survey Party Chief

Responsibilities:

- Conducted property and topographic surveys, research of lot descriptions, maps and field survey info. (Monuments, benchmarks, etc.) EDM data collection.

Austin Tsutsumi & Associates, Wailuku, Maui, Hawaii, Honolulu, HI
7/1998 – 7/2005
Survey Party Chief

Responsibilities:

- Responsible for property, topographic, building certifications, shoreline certifications and construction surveys. Conventional and GPS surveys.
- Quality Control Survey Supervisor on the Parsons UXB Joint Venture Kahoolawe Unexploded Ordnance Cleanup Project. Responsible for the development and implementation of actions and guidelines to ensure accurate surveying. Overseeing the surveying processes for both static (post-process) and Real Time Kinematic GPS surveys.

Parsons, Honolulu, HI
7/2005 – 5/2011
LPLS, Survey Manager

Responsibilities:

- Projects include housing and civil infrastructure. Survey Manager at the Hawaii Military Communities Projects-Radford, Halsey and Mcgrew, Forest City Camp Catlin/Maloelap and the Mololani Housing project at Kaneohe Marine Corps Base Hawaii.
- Responsible for coordinating field crews, checking survey controls, benchmarks, layout and calculations.

Professional Experience Continued

- Responsible for creating 3D models and mapping for use in Trimble SCS900, Survey Controller using Terramodel and AutoCAD for GPS machine control in Trimble GCS900 systems. Duties included settlement monitoring, field calculations of roadway horizontal and vertical alignments, mass grading and as-built surveys.

Kiewit, Honolulu, HI
5/2011 – 2/24/2017
LPLS, Survey Coordinator-Honolulu Rail Transit Project - Phases 1 and 2

Responsibilities:

- Projects – Lihue Mill Bridge and Kaumualii Highway Widening (Lihue, Kauai, Hawaii), ILIMA at Leihano Phase 1 Development (Ewa, Oahu, Hawaii), West Oahu Farrington Guideway and Kamehameha Highway Guideway (Waipahu-Pearl City, Oahu, Hawaii), Maintenance and Storage Facility-MSF Buildings and Track (Waipahu, Oahu, Hawaii)
- Coordinate and manage survey for the Honolulu Light Rail project. Manage a survey schedule for ongoing projects and the proper use of survey personnel. Develop 3D models for machine control grading. Established and verified the control network along the 10-mile corridor. As-built existing utilities and new construction of drilled shafts, columns and bridge spans. Set precast segmental bridges as well as cast in place balanced cantilever bridge. Best fit track to precast segmental direct fix and plinth-less bridge. Responsible for the adjustment and final as-built deliverable of track using the Trimble GEDO cart and Trimble GEDO Office to HART (Hawaii Authority for Rapid Transportation).
- Settlement and deformation monitoring of mechanically stabilized earth (MSE) walls, tunnels and production column and shaft locations.

Hawaii Layout Construction, Inc.
2/27/2017-Present
LPLS, Survey Coordinator-Operations Manager
Manage survey crews and daily operations on various private, state/city and federal projects.

- Consolidated Rental Car Facility- HNL Airport
- FY16 MCON Project P-116- MCBH
- FY16 MCON Project P-902- MCBH
- FY14 MCON Project P-863- MCBH
- FY14 MCON Project P-907- MCBH
- FY13 MILCON, P-475, SOF SDVT-1- JBPHH
- FY15 PKG A-005 Repair Building 449- Schofield Barracks
- COMMAND AND CONTROL FACILITY (C2F)- Fort Shafter
- H-1 FREEWAY PCCP REHAB- State of Hawaii H1 Freeway
- Sand Island WWTP Shoreline Revetment
- Wheeler Army Airfield Rotary Wing Parking Apron

- Sand Island WWTP Secondary Treatment Upgrades
- FY18 P-704 Sewer Lift Station – Joint Base Pearl Harbor Hickam
- Honolulu International Airport Runway 8L Widening
- Honolulu International Airport Runway 4R Shoulder Improvements
- P209 Drydock 3 Replacement - Joint Base Pearl Harbor Hickam

Education & Professional Licensures

McKinley High School, Honolulu, HI
High school diploma
Graduated 1984

Licensed Professional Land Surveyor
LPLS-State of Hawaii January 2006
LS-11882

Skills

- Trimble Business Center-HCE
- Trimble GCS900 and SCS900 grade control systems and 3D Machine Control Modeling
- Trimble GPS and Trimble Robotic Total Stations
- Trimble DiNI Digital Level Systems
- Trimble GEDO Track and GEDO VORSYS Systems
- Trimble GEDO Office Software
- Trimble Access TSC3/Tablet Software
- Trimble SCS900 TSC3/Tablet Software
- Trimble Connected Community
- Survey Control Networks and GPS Calibration Surveys
- Heavy highway/subdivision infrastructure
- Settlement/Deformation monitoring for both horizontal and vertical movement
- Bridge Cast in Place/Precast Segmental Surveys
- AutoCAD
- Microsoft Excel
- Project scheduling
- Creative problem solving
- Motivated self-starter

References are available upon request