

**INVITATION FOR BIDS  
AND  
CONSTRUCTION DOCUMENTS  
FOR**

**JOB NO. 18-07  
KUKUIOLONO 0.2 MG TANK DEMOLITION  
KAUA'I, HAWAI'I**

**July 2020**

**DEPARTMENT OF WATER  
COUNTY OF KAUA'I  
LĪHU'E, KAUA'I, HAWAI'I**

APPROVED:

  
\_\_\_\_\_  
Chief Procurement Officer

7-10-20  
\_\_\_\_\_  
Date

# 1 ADMINISTRATION

## 1.1 INVITATION FOR BIDS.

DEPARTMENT OF WATER, COUNTY OF KAUA'I  
**JOB 18-07 KUKUIOLONO 0.2 MG TANK DEMOLITION**  
KAUA'I, HAWAII

Pursuant to Chapter 103D, HRS, SEALED TENDERS will be received up to and opened at 2:00 p.m., Hawaiian Standard Time (HST) on **Thursday, September 03, 2020**, in the Administration Office of the Department of Water at 4398 Pua Loke Street, Līhu'e, Kaua'i, Hawai'i ("DOW Admin. Office"). Bids received after the date and time specified above shall be rejected. Facsimile offers will not be accepted or considered.

The schedule set out below represents the Department's best estimate of the schedule that will be followed for this competitive sealed bidding procurement process. If an activity in the schedule is delayed, the dates following the delayed activity may be adjusted by the same number of days. All prospective Offerors will be advised by addendum of any changes to the Procurement Schedule.

Activity	Scheduled Date
Invitation For Bids Issued	July 27, 2020
Pre-Bid Conference	August 6, 2020
Deadline: Receipt of Questions / Comments / Material Substitutions	August 10, 2020
Deadline: Notice of Intent	August 24, 2020
Department's Responses to Questions / Comments / Material Substitutions	August 24, 2020
Bid Opening	September 3, 2020
Selection / Award Notification	September 2020
Contract Execution Period	September - December 2020
Contract Tentative Notice to Proceed Date	December 2020 – January 2021

The Manager and Chief Engineer also reserves the right to reject any or all bids, in whole or in part, if deemed to be in the best interest of the Department of Water.

Bids must be signed in ink by the person or persons duly authorized to sign bids in the space provided for signature on the Offer form. **Bidders shall submit their offer and all related documents as required in this solicitation through Public Purchase at [www.publicpurchase.com](http://www.publicpurchase.com).**

BIDDERS ARE HEREBY NOTIFIED THAT EVIDENCE OF THE AUTHORITY OF THE PERSON(S) SIGNING THE BID DOCUMENT IS REQUIRED TO BE INCLUDED WITH THE BID DOCUMENTS. FAILURE TO COMPLY WITH THIS REQUIREMENT WILL BE CAUSE FOR REJECTION OF THE BID AS BEING NON-RESPONSIVE.

**SCOPE OF WORK:** This contract consists of removing and disposing of or salvaging a 0.2 million gallon (MG) reinforced concrete storage tank, including foundations, old pavements, slab on grade and equipment slabs, all exposed piping and other surrounding structures and obstructions  
Job No. 18-07 KUKUIOLONO 0.2 MG TANK DEMOLITION

designated for removal; all in accordance with the plans and specifications. The Project is located in the Kalaheo, Kaua'i, Hawai'i area accessed by a road from Papalina Road., as indicated in the contract drawings and specifications.

**PLANS AND SPECIFICATIONS:** The contract documents are to be downloaded electronically. Please email the Department of Water Departmental Contracts Officer, Christine Ererita at [cerorita@kauaiwater.org](mailto:cerorita@kauaiwater.org) for instructions. May be examined and obtained at the DOW Admin. Office. Those who download documents electronically shall be responsible for any and all costs related to printing or reproducing the items as required for offer submission. For inquires on obtaining plans and specifications and all other inquires call the project engineer at (808) 245-5459.

The contract documents may be examined at the following locations:

DOW Admin. Office, Līhu'e, Kaua'i, Hawai'i  
Building Industry Digest Plan Room, Honolulu, Hawai'i  
General Contractors' Association Plan Room, Honolulu, Hawai'i

Published in:  The Garden Island Newspaper  
 Bid Service Weekly  
 General Contractors' Association  
 State Procurement Internet website at: <https://hands.ehawaii.gov/hands/welcome>  
 DOW website at: [www.kauaiwater.org](http://www.kauaiwater.org)  
 DOW electronic procurement system at: [www.publicpurchase.com](http://www.publicpurchase.com)

**CONTRACTORS LICENSE:** All prospective Bidders must be currently licensed by the State of Hawai'i, Department of Commerce and Consumer Affairs, Division of Professional and Vocational Licensing.

"A" general engineering contractors and "B" general building contractors are reminded that due to the Hawai'i Supreme Court's January 28, 2002 decision in Okada Trucking Co., Ltd. v. Board of Water Supply, et al, 97 Haw. 450 (2002), they are prohibited from undertaking any work, solely or as part of a larger project, which would require the general contractor to act as a specialty contractor in any area where the general contractor has no license. Although the "A" and "B" contractor may still bid on and act as the "prime" contractor on an "A" or "B" project (See, HRS § 444-7 for the definitions of an "A" or "B" project), respectively, the "A" and "B" contractor may only perform work in the areas in which they have the appropriate contractor's license (An "A" or "B" contractor obtains "C" specialty contractor's licenses either on its own or automatically under HAR § 16-77-32.). The remaining work must be performed by appropriately licensed entities. It is the sole responsibility of the contractor to review the requirements of this Project and determine the appropriate licenses that are required to complete the Project.

**PRE-BID CONFERENCE:** A Pre-Bid Conference shall be held. If a Pre-Bid Conference is held, all potential interested offerors, subcontractors, and union representatives are invited to attend on the date specified in the Procurement Schedule in Section 1.1 at the DOW Admin. Office. A visit to the site will be conducted following the meeting. The site inspection is not mandatory; however, submission of an offer shall be evidence that the Offeror understands the scope of the project and shall comply with the specifications herein, if awarded the contract and has thoroughly familiarize

itself with the existing conditions, rules and regulations, and the extent and nature of work to be performed. No additional compensation, subsequent to bid opening, shall be allowed by reason of any misunderstanding or error regarding site conditions or work to be performed. All prospective Bidders must make their own transportation arrangements to and from the site. Those interested in attending the pre-bid conference should contact the Procurement Officer. Offerors are advised that anything discussed at the pre-bid conference does not change any part of this solicitation. All changes and/or clarifications to this solicitation shall be done in the form of written addenda.

**Due to COVID-19, the Pre-Bid Conference will be held via teleconference. Please contact Christine Erorita at [cerorita@kauaiwater.org](mailto:cerorita@kauaiwater.org) for the teleconference information. The project site is accessible; however, requests for 'in-person' assistance at the project site must be submitted prior to the Pre-Bid Conference by 2:00pm HST on August 5, 2020 by email to Christine Erorita at [cerorita@kauaiwater.org](mailto:cerorita@kauaiwater.org), and will be scheduled accordingly to comply with social distancing guidelines for August 6, 2020.**

**NOTICE OF INTENTION TO BID:** Prospective bidders shall file with the Manager and Chief Engineer, a written notice of intention to bid at least ten (10) calendar days prior to the day designated for the opening of bids, as required by HRS 103D-310.

CHIEF PROCUREMENT OFFICER  
DEPARTMENT OF WATER  
COUNTY OF KAUAI

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## 1.2 DEFINITIONS.

This section shall incorporate the definitions not listed below and contained in Hawai'i Revised Statutes (HRS) 103D; the Hawai'i Administrative Rules (HAR), Title 3, Department of Accounting & General Services, Subtitle 11, Procurement Policy Board, Chapters 120 through 131; and the General Provisions for Construction Contracts of the Department of Water, dated April 25, 2016. Terms as used in this solicitation, unless the context requires otherwise, shall have the following meaning:

“Award” means the notification of the Department’s acceptance of a bid or the presentation of a contract to the selected offeror.

“Bid sample” means a sample to be furnished by a bidder to show the characteristics of the item offered in the bid.

“Board” or “Board of Water Supply” shall mean the “Department of Water, County of Kaua‘i”, as provided for in the County Charter which became effective January 2, 1969.

“Contract Administrator” means the person designated to manage the various facets of the Contract to ensure the Contractor’s total performance is in accordance with the contractual commitments and obligations to the Department are fulfilled.

“Department” or “DOW” means the Department of Water, County of Kaua‘i, contracting on behalf of the Board of Water Supply. Wherever the terms “Engineer” or “Owner” are used in any document which forms a part of the Contract, the terms shall mean the Department of Water, County of Kaua‘i and its authorized agents.

“Offer” means the bid, proposal, or quotation.

“Offeror” means any individual, partnership, firm, corporation, joint venture, or other legal entity submitting, directly or through a duly authorized representative or agent, an offer for the good, service, or construction contemplated.

“Opening” means the date set for opening of bids, receipt of unpriced technical offers in multistep sealed bidding, or receipt of proposals in competitive sealed proposals.

“Procurement officer” means any person with delegated authority to enter into and administer contracts and make written determination with respect thereto. The term includes an authorized representative acting within the limits of authority. The delegated authority is received from the chief procurement officer directly or through the head of a purchasing agency or designee to the procurement officer.

“Project” means work to be performed as set forth in the Contract, including furnishing all services, labor, goods, materials, supplies, equipment and other incidentals reasonably necessary for the successful completion of work contemplated under the Contract.

“Quotation” means a statement of price, terms of sale, and description of goods, services, or construction offered by a prospective seller to a prospective purchaser, usually for purchases pursuant to section 103D-305, HRS.

“Special Provisions” means the terms and conditions pertaining to the specific solicitation in which they are incorporated; including but not limited to terms and conditions describing the preparation of solicitations, evaluation of offers, determination of award, plus those applicable to performance by the Contractor.

Additions or revisions to the General Provisions, which shall be considered a part of the General Provisions, setting forth conditions or requirements applicable to the particular project or contract under consideration shall be included in the Special Provisions. Should any Special Provisions conflict with these General Provisions, said Special Provisions shall govern.

“Specifications” mean any description of the physical or functional characteristics, or of the nature of a good, service, or construction item. The term includes descriptions or any requirement for inspecting, testing, or preparing a good, service, or construction item for delivery.

“Standard commercial product” means a product or material, in the normal course of business, is customarily maintained in stock or readily available by a manufacturer, distributor, or dealer for the marketing of the product.

“Successful bidder” means the individual, partnership, firm, corporation, joint venture, or other legal entity that submitted a bid for the Project and was determined to be a responsible, responsive bidder and selected for award of the contract.



1.3 INSTRUCTIONS TO BIDDERS.

THESE INSTRUCTIONS TO BIDDERS SHALL BE CONSIDERED TO BE INCORPORATED INTO THE SPECIAL PROVISIONS.

- 1.3.1 Submission of Bids: Bidders shall read and examine the Special Provisions, Specifications, General Provisions and all other bid documents attached hereto and by reference made a part hereof. Submission of bids shall be deemed a verification of such reading and examination and shall be deemed acknowledgement and agreement to be bound by the terms and conditions, and specifications of such documents. All Bidders shall complete and submit with its bid, the Offer form found in Appendix C via [www.publicpurchase.com](http://www.publicpurchase.com).

All bids for the construction of this project shall be “**18-07 KUKUIOLONO 0.2 MG TANK DEMOLITION.**”

**Bidders shall submit their offer and all related documents as required in this solicitation through Public Purchase at [www.publicpurchase.com](http://www.publicpurchase.com).**

- 1.3.2 Bidding Instructions: In addition to these Instructions to Bidders, Bidders are directed to SECTION 2 - BIDDING / PROPOSAL INSTRUCTIONS of the “GENERAL PROVISIONS FOR CONSTRUCTION CONTRACTS OF THE DEPARTMENT OF WATER”, dated April 25, 2016 (hereafter “GENERAL PROVISIONS”), and the General Provisions in its entirety.
- 1.3.3 Offer Form: The attached form of the OFFER is furnished only for the guidance of bidders and is not to be used for actual bidding. An official copy of the Offer on which the bid shall be made will be furnished to the prospective bidder when plans and specifications are obtained.
- 1.3.4 Omission or Erasures; Conditioned Offers: Any Offer which contains any omission or erasure or alteration not properly initialed or any attempt by a bidder to condition the bid or other irregularity, and bid samples or descriptive literature, unless expressly requested, will not be examined or tested, and will not be deemed to vary any of the provisions of this solicitation and are submitted at the Bidder’s risk and may be rejected. Offerors shall not submit their organization’s terms and conditions, standard contracts, or other similar agreements or forms. General reference to such items or attempts to substitute such items for the Department’s **shall** result in the disqualification of the Offeror’s bid as conditioned.
- 1.3.5 Solicitation Review; Submission of Questions and Requests For Clarification:
- 1.3.5.1 Submission of Questions and Requests for Clarification: Offerors are encouraged to submit written questions pertaining to this solicitation. Questions and requests for clarification must be submitted in writing via e-mail or received by post mail to the Procurement Officer not later than the

date specified in the Procurement Schedule in Section 1.1 in order to generate an official answer. All written questions will receive an official written response from the Department and become an addenda to this solicitation. The only official position of the Department is that which is stated in writing and issued in this solicitation as an addenda thereto. All other means of communication, whether oral or written, shall not be formal or official responses/statements and may not be relied upon. **Any addendum issued must be acknowledged by downloading from Public Purchase, signed, and included with offer.**

1.3.5.2 Solicitation Review: Offerors should carefully review this solicitation for defects and/or ambiguities. Comments concerning defects and questionable or objectionable matter must be made in writing either via e-mail or post mailed and should be received by the Procurement Officer not later than the date specified in the Procurement Schedule in Section 1.1. This will allow issuance of any necessary amendments to this solicitation. It will also assist in preventing the opening of offers upon which award may not be made due to a defective solicitation package.

- 1.3.6 Standard Questionnaire and Financial Statement: When the Manager and Chief Engineer requires a prospective bidder to file a "Standard Qualification Questionnaire for Prospective Offerors on Department of Water Contracts," the prospective bidder shall return a completed Standard Questionnaire, on the form provided by the Department, at least 48 hours prior to opening of bids. If this proves satisfactory, the bidder's Offer will be received.
- 1.3.7 Bid Bond: A bid bond for the value of at least 5% of the bid value shall accompany the bid.
- 1.3.8 Performance and Payment Bonds: If the contract which is awarded exceeds \$25,000 and is for construction, performance and payment bonds shall each be in an amount equal to one hundred per cent of the amount of the contract price.
- 1.3.9 Responsibility of Bidders to Study Site: At the time of opening of bids, the Department shall presume that each Bidder has inspected the project site(s) and has read the Plans, Specifications, and other Contract Documents, including all Addenda and has become thoroughly familiar with them. The failure or omission of any Bidder to receive or examine any form, instrument, or document shall in no way relieve that Bidder from any obligation under the Bid or the Contract.

Each bidder must form an opinion of the character of the work and of the materials to be excavated, from an examination of the project site(s), from studies and inspection of available samples, records and reports and from any other investigations the Bidder may wish to make. Each Bidder must form an independent opinion of all the conditions affecting the work to be done and the labor and materials to be supplied, in order to make a Bid in sole reliance

thereupon. Failure of a Bidder to become completely familiar with the labor and construction conditions under which the work is to be performed will not relieve that Bidder of any obligations to furnish all materials, equipment, and labor necessary to perform the work as set forth in this solicitation and to perform the Contract.

1.3.10 **Insurance:** Contractor shall procure and maintain, on a primary basis and at its sole expense, at all times during the life of the contract insurance coverages, limits, including endorsements as described Appendix "D" - Insurance, against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work by the Contractor or the Contractor's agents, representatives, employees, or subcontractors. The requirements contained therein, as well as the Department's review or acceptance of insurance maintained by the Contractor is not intended to and shall not in any manner limit or qualify the liabilities or obligations assumed by the Contractor. Unless otherwise approved by the Manager and Chief Engineer, the policy or policies of insurance maintained by the Contractor shall provide the minimum limit(s) and coverage(s) as specified in the attached Appendix "D" - Insurance and be placed with an insurance carrier authorized to do business in this state and rated A-VII by A.M. Best.

1.3.11 **Tax Clearance:** See: Subsection 3.5 - RESPONSIBILITY OF OFFERORS AND TAX CLEARANCE of the GENERAL PROVISIONS in its entirety. Further, the Bidder shall be required to submit a tax clearance with the bid Offer. Failure to comply with this provision will be grounds for disqualifying the Bidder. The successful bidder will also be required to submit a current valid tax clearance prior to final payment for this Project.

1.3.12 **Preferences:** The following preferences are applicable when preceded by a checked box. Information and legal and procedural requirements pertaining to all preferences can be found within the General Provisions:

**Hawai'i Products Preference (See: Appendix C).** Pursuant to HRS 103D-1002, Offers should complete the Certificate of Hawai'i Products Preference for application of this preference.

**Reciprocal Preferences:** Pursuant to the provisions of Section 103D-1004, HRS and Subchapter 3, Chapter 124, Subtitle 11, Title 3, HAR, the Manager may impose a reciprocal preference against Bidders from those states which apply preferences.

**Recycled Products Preference.** Pursuant to HRS 103D-1005, Offerors should contact the Procurement Officer for application of this preference.

**Tax Payer Preference (Hawai'i Excise and Use Tax Preference).** Pursuant to HRS 103D-1008, any "taxpaying bidder" shall qualify for this preference.

**Qualified Community Rehabilitation Programs Preference.** Pursuant to

HRS 103D-1009, a five per cent preference shall be given to services to be provided by nonprofit corporations or public agencies operating qualified community rehabilitation programs in conformance with criteria established by the DLIR for all competitive sealed bid and proposal procurements.

**Apprenticeship Program Preference (See: Appendix G).** Pursuant to HRS 103-55, applicable to public works projects with estimated values of \$250,000 or greater. Section 103-55.6, HRS, as enacted by S.B. 19, Act 17, SLH 2009, and the State of Hawai'i Comptroller's Memorandum 2011-06 as amended, provides for a Hawai'i Apprenticeship Preference for public works construction projects with estimated values of \$250,000 or greater. The preference shall be in the form of five percent (5%) bid adjustment applied to the Bidder's Offer amount.

**Safety and Health Program (See: Appendix K).** Pursuant to HRS 396-18, applicable to construction projects where the offer amount is in excess of \$100,000.

1.3.13 Tax Adjustment for Out-Of-State Vendors and Tax Exempt Bidders: Pursuant to the provisions of Section 103-53.5, HRS, where the Bidder is an out-of-state vendor not doing business in the State of Hawai'i, or is a person exempted from paying the applicable general excise tax, the package bid or purchase price, for the purpose of determining the lowest price bid, shall be increased by the applicable retail rate of general excise tax and the applicable use tax. The lowest responsible bidder who satisfies all of the requirements of these bid documents, taking into consideration the above increases, shall be awarded the contract, but the contract amount of any contract awarded shall be the amount of the bid offered and shall not include the amount of the increase.

1.3.14 Worker's Compensation Act: The Contractor will be required to comply with the provisions of Chapter 97, Revised Laws of Hawai'i 1955, known as the "Worker's Compensation Laws," and all laws amendatory thereof, relating to the compensation of employees for personal injuries sustained in the course of their employment. The Contractor's surety or sureties shall be liable for any loss caused the Department by reason of the Contractor's failure to comply with the provisions of said laws.

The Contractor shall furnish to the Department one copy of certificate of said insurance prior to commencement of work. Refer to the "RESPONSIBILITY OF SUCCESSFUL BIDDER" for additional requirements.

1.3.15 Subcontractor: Under the terms of this Contract, no subcontractor will be recognized. All subcontractors shall deal directly with the general Contractor; however, each and every subcontractor shall manage and take care of its own material and waste.

1.3.16 Listing Joint Contractors or Subcontractors:

Bidder shall complete the “Joint Contractors or Subcontractors List.” It is the sole responsibility of the bidder to review the requirements of this Project and determine the appropriate specialty contractor licenses that are required to complete the Project.

**Bidder shall specify the name of each person or firm to be engaged by the Bidder as a joint contractor or subcontractor in the performance of the contract and the nature and scope of the work to be performed by each regardless of the percentage of the value of the work to be performed by the joint contractor or subcontractor.** (HRS 103D-302(b))

Failure of the Bidder to provide the correct names and specialty contractor’s nature of work to be performed may cause the bid to be rejected.

Bidder agrees the completed listing of joint contractors or subcontractors is required for the Project and that Bidder, together with the listed joint contractors and subcontractors, have all the specialty contractor licenses to complete the work.

Based on the Hawai‘i Supreme Court’s January 28, 2002 decision in Okada Trucking Co., Ltd. v. Board of Water Supply, et al., 97 Hawai‘i 450 (2002), the bidder as a general Contractor (‘A’ or ‘B’ license) is prohibited from undertaking any work solely or as part of a larger project, which would require the bidder (‘A’ or ‘B’ general Contractor) to act as a specialty (‘C’ license) Contractor in any area in which the bidder (‘A’ or ‘B’ general Contractor) has no specialty Contractor’s license. Although the ‘A’ and ‘B’ Contractor may still bid on and act as the “Prime Contractor” on an ‘A’ and ‘B’ project (See: HRS § 444-7 for the definitions of an ‘A’ and ‘B’ project.), respectively, the ‘A’ and ‘B’ Contractor may only perform work in the areas in which they have the appropriate Contractor’s license. The bidder (‘A’ or ‘B’ general Contractor) must have the appropriate ‘C’ specialty Contractor’s licenses either obtained on its own, or obtained automatically under HAR §16-77-32.

General Engineering ‘A’ Contractors automatically have these ‘C’ specialty contractor licenses: C-3, C-9, C-10, C-17, C-24, C31a, C32, C-35, C-37a, C-37b, C-38, C43, C49, C-56, C-57a, C-57b, and C61.

General Building ‘B’ Contractors automatically have these ‘C’ specialty contractor licenses: C-5, C-6, C-10, C-12, C-24, C-25, C31a, C32a, C42a, and C-42b.

1.3.16.1 Instructions to complete the Joint Contractors or Subcontractors List:

1.3.16.1.1 Describe the nature of work to be performed by the specialty contractor for this Project and provide the complete firm name of the joint contractor or subcontractor in the respective columns. If the bidder is a general contractor and providing the work of the required specialty contractor, fill in the Bidder's (general contractor's) name and nature of work to be performed for this Project.

1.3.16.1.2 List only one joint contractor or subcontractor per required specialty contractor classification.

1.3.16.1.3 For projects with alternate(s), fill out the respective "Joint Contractors or Subcontractors List for the Alternate(s)." Bidder shall describe the nature of work to be performed by the specialty contractor on this Project for the respective alternate. Bidders shall fill in the complete firm name and nature of work to be performed by the respective joint contractor or subcontractor. If the joint contractor or subcontractor was previously listed under base bid, listing under Alternate(s) is not required.

1.3.17 Wages and Labor Requirements: Pursuant to HRS Section 103-55, each bidder submitting an offer and list of subcontractors certifies that: **WAGES**: The service to be rendered shall be performed by employees paid not less than wages paid to public officers and employees for similar work; and **COMPLIANCE WITH LABOR LAWS**: All applicable laws of the Federal and State governments relating to workmen's compensation, unemployment compensation, payment of wages, and safety will be fully complied with. The successful Bidder shall complete the Wage Certification in Appendix E.

1.3.17.1 In accordance with HRS Section 104-2 et seq., the Hawai'i Director of Labor and Industrial Relations determines the prevailing wages applicable to the project. The wage rates are the minimum rates to be paid and may be revised. Contractors shall pay the applicable rates, as revised, at no cost to the Department. This is not a representation that labor can be obtained at these rates. It is the responsibility of bidders to inform themselves of local labor conditions and prospective changes or adjustments of wage rates. No increase in the contract price shall be allowed or authorized on account of the payment of wage rates in excess of those listed herein. Wage rate schedules are available at the office of the Department of Labor and Industrial Relations, State of Hawai'i.

Current Wage Rate Bulletin: **496**

1.3.18 Asbestos Cement Pipe: For all construction contract bids involving asbestos cement pipe, the Contractor shall remove, handle, and dispose of asbestos cement pipe in conformance

with all applicable OSHA, State, and Federal regulations. The asbestos cement pipes shall only be disposed of at an approved disposal site.

- 1.3.19 Chlorination Subcontractor: All construction contract bids involving any chlorination work shall have a name listed for the C-37d Water Chlorination Subcontractor. Any bid not listing this subcontractor shall be rejected and disqualified.
- 1.3.20 Substitute Materials: Bidders contemplating submission of bids based on substitute materials must obtain prior written permission from the Department. Lists of substitute materials together with qualifying data shall be submitted on the Department's Request for Substitution form by the date set in the Procurement Schedule in Section 1.1, as evidenced by the time stamp of the Department, to the Procurement Officer for approval (the Request for Substitution form may be obtained from this individual). It is not the intent of the Department to exclude or limit the products. Any substitute material determined by the Department upon evaluation to be an acceptable equal, will be listed in an addendum to this solicitation, issued prior to the bid opening date. The Department is the sole judge as to the comparable quality and suitability of any substitute material and its decision shall be final. If a Bidder offers a product without the Department's pre-approval, the substitute material shall not be considered for award.
- 1.3.21 Independent Price Determination: By submitting a bid, the bidder certifies that the price submitted was independently arrived at without collusion.
- 1.3.22 Protests: Any protest shall be submitted in writing within five (5) working days after the posting of the notice of award; provided that a protest based upon the contents of the solicitation shall be submitted in writing prior to the date set for the receipt of offers. Any and all protests pursuant to Hawai'i Procurement Code, Chapter 103D-701 HRS and Section 3-126-3 HAR shall be submitted in writing to the Procurement Officer for this solicitation.
- 1.3.23 Incorporation By Reference: Bidders hereby agree that all documents referred to in the Table of Contents are hereby incorporated by reference into this solicitation.
- 1.3.24 Severability: If any covenant, condition, or provision of this solicitation is held to be invalid by any court of competent jurisdiction, such holding shall not affect the validity of any other covenant, condition, or provision contained herein or incorporated by reference.
- 1.3.25 Remedies; Attorneys Fees, and Costs: All remedies provided in this solicitation shall be deemed cumulative and additional, and not in lieu of or exclusive of each other or of any other remedy available at law or in equity arising hereunder. Should any legal proceedings at law or in equity arise under or in connection with this solicitation, the Contractor shall be responsible for all attorneys' fees and costs (including reasonable fees and charges for the services of paralegals or other personnel who operate for and under the supervision of such attorneys and whose time is usually charged to clients) and any other expenses incurred in connection with such proceedings.

1.3.26 Department's Right to Audit: Books and Records: The Contractor shall, at all times during the term hereof, maintain complete and accurate books and records of its operations, including employee time records, in a form consistent with good accounting practice, including such books and records as would normally be examined by an independent certified public accountant in performing an audit or examination of the Contractor's receipts and expenses in accordance with generally accepted auditing standards. The Department has the right to designate an independent auditor to review books and records that specifically relate to this project. Subcontractors shall be bound by the same requirements. See: SECTION 6.9 - CONTROL OF THE CONTRACT of the GENERAL PROVISIONS in its entirety.

1.3.27 Confidential Material: All bids are subject to public inspection as set forth in 3-122-30, HAR. Bidders shall request in writing nondisclosure of designated trade secrets or other proprietary data to be confidential. Such data shall accompany the bid and shall be readily separable from the bid in order to facilitate eventual public inspection of the non-confidential portion of the bid. To facilitate the release of the information requested, the Department is prepared to sign a Non-Disclosure Agreement if necessary, however, the Department cannot guarantee that designated data will be kept confidential. The offers are subject to disclosure rules set forth in Chapter 92F, HRS and Non-Disclosure Agreements are enforceable only to the extent that they do not conflict with the provisions of Chapter 92F, HRS. The Bidder bears the burden of establishing that the designated data is exempted from the disclosure requirements set forth in Chapter 92F.

1.3.28 Cancellation of the Solicitation and Offer Rejection: The Department reserves the right to cancel this solicitation and to reject any and all offers in whole or in part, and waive any defects, when it is determined to be in the best interest of the Department, pursuant to HAR 3-122-96 and 3-122-97.

The Department shall not be liable for any costs, expense, loss of profit, or damages whatsoever, incurred by the Offeror in the event this solicitation is cancelled or an offer is rejected.

#### 1.4 GENERAL PROVISIONS, SPECIFICATIONS, AND STANDARD DETAILS.

The Special Provisions, plans, General Provisions, Water Standards, County of Kaua'i Department of Public Works ("DPW") Standard Specifications and Details, as amended, contract documents, and all supplemental documents are essential parts of the contract, and a requirement occurring in one is as binding as though occurring in all. They are intended to be complementary and to describe and provide for the complete work. In case of conflict or discrepancy within any part of the contract, the stricter requirements, including Hawai'i State Statutory requirements, shall govern. Unless it is apparent that a different order of precedence is intended, the special provisions shall govern over plans, general provisions, and Water Standards; plans shall govern over general provisions; general provisions shall govern over Water Standards; Water Standards shall govern over DPW Standard Specifications; figured dimensions and drawings take precedence over measurements by scale, and detail drawings;



instructions to proposers shall be incorporated and made a part of the special provisions.

It is the responsibility of the prospective offerors, offerors, and Contractors to review the General Provisions, Water Standards, Specifications, and Standard Details and a submission of an offer to this solicitation shall be deemed an acknowledgement of the incorporation of these into this solicitation and the resulting contract, if any.

- 1.4.1 General Provisions for Construction Contracts: The General Provisions for Construction Contracts of the Department of Water, dated April 25, 2016 (“General Provisions”) are included in this solicitation. A copy may be found in Appendix “B.”
- 1.4.2 Water System Standards. The “Water System Standards”, 2002, as amended, as adopted by the Department of Water, County of Kaua‘i; Board of Water Supply, City and County of Honolulu; Department of Water Supply, County of Maui; Department of Water Supply, County of Hawai‘i (“Water Standards”) is by reference incorporated herein and made a part of these specifications. The Water Standards specifications are not bound in these contract documents, but shall by reference be incorporated herein and made a part hereof.
- 1.4.3 Department of Public Works, County of Kaua‘i Standard Specifications: Whenever reference is made to the DPW Standard Specifications, the specifications referred to is the “HAWAI‘I STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND PUBLIC WORKS CONSTRUCTION” of the State of Hawai‘i, 2005, as amended. These specifications are not bound in the Contract Documents, but shall by reference be incorporated herein and made a part hereof.
- 1.4.4 Department of Public Works, County of Kaua‘i, Standard Details: Whenever reference is made within these Special Provisions or the contract plans to the DPW Standard Details, the Details referred to is the “STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION”, September 1984 and all subsequent amendments. These specifications are not bound in the Contract Documents, but shall by reference be incorporated herein and made a part hereof.

#### 1.5 PROCUREMENT OFFICER AND CONTRACT ADMINISTRATOR.

The Procurement Officer is responsible for administrating/facilitating all requirements of the solicitation process and is the **sole point of contact for Offerors** from the date of release of the solicitation until the selection of the successful Bidder.

The Contract Administrator shall be responsible for the contract administration once the contract is awarded and shall be the point of contact throughout the term of the contract.

If checked, the Procurement Officer and the Contract Administrator shall be the same individual.

The Procurement Officer and Contract Administrator are:

**Procurement Officer:**

Dustin Moises  
Chief of Construction Management  
Department of Water, County of Kaua'i  
4398 Pua Loke Street  
Lihu'e, HI 96766  
Phone Number: 808-245-5459  
Email: dmoises@kauaiwater.org

**Contract Administrator:**

Takara Kunioka  
Civil Engineer I  
Department of Water, County of Kaua'i  
4398 Pua Loke Street  
Lihu'e, HI 96766  
Phone Number: 808-245-5414  
Email: tkunioka@kauaiwater.org

## 2 SCOPE OF WORK

### 2.1 SCOPE OF WORK.

This Contract consists of the following Scope of Work and includes all other necessary work, all as indicated in the contract drawings and specifications. The general location of the work is as shown on the contract plans and as described herein.

This contract consists of removing and disposing of or salvaging a 0.2 million gallon (MG) reinforced concrete storage tank, including foundations, old pavements, slab on grade and equipment slabs, all exposed piping and other surrounding structures and obstructions designated for removal; all in accordance with the plans and specifications. The Project is located in the Kalaheo, Kaua'i, Hawai'i area accessed by a road from Papalina Road.

### 2.2 TIME OF COMPLETION.

2.2.1 It is understood and agreed that the work called for under this Project must and shall be completed within **270 CALENDAR DAYS** after written notice has been given to the Contractor to commence work. No extension of time will be granted for shipping and manufacturer's delays. The Contractor shall be subject to liquidated damages for delay or nonperformance as stated in this solicitation.

2.2.2 Work on the basic contract agreement is to be completed within the stipulated completion time from the date to the "Notice to Proceed." All work shall be done in co-operation with and coordinated with any other Contractors in a manner to allow completion of the entire construction within the scheduled time.

Per Approved Plans Water Construction Note all materials, shop drawings, chlorination plan, hazardous material and health related submittals, etc. shall be approved by the Department Construction Management Division before a preconstruction meeting can be scheduled. In order for the contractor to meet this requirement, as well as any other requirements related to permitting for the project including but not limited to building, grading, road, noise, demolition, NPDES for staging areas, NPDES duly authorized person designation, etc., the Department has included 90 calendar days for the contractor to complete the process within the total time of completion calendar day amount. Notice to proceed will be given before the contractor begins the project submittal approval process and it is expected that the contractor will complete the submittal and permit process within the 90 calendar day timeframe. No additional days will be granted if the contractor does not complete the process to attain a preconstruction meeting within 90 calendar days.

### 2.3 PERMITS.

The Contractor shall also obtain all necessary permits, including but not limited to building permit (Permit No. BP19-0001618) prior to the commencement of work. The Contractor

shall pay for all required charges and fees associated with all applicable permits.

The Contractor shall also file an Application for Community Noise Variance with the Department of Health, State of Hawai'i. The Contractor shall pay for all required charges and fees associated with these permits.

2.4 CONTRACTOR'S RESPONSIBILITY FOR EXISTING UTILITIES AND STRUCTURES.

The existence and location of underground utilities and structures as shown on the plans are from the best information available but are not guaranteed and other obstacles may be encountered in the course of the work. Prior to the start of excavation, the Contractor shall contact all utility companies and have them locate their respective lines affected. The Contractor shall be held responsible for any damage to and for the maintenance and protection of existing utilities and structures. See: SECTION 6 - PERFORMANCE OF CONTRACT of the GENERAL PROVISIONS in its entirety.

2.5 POWER AND WATER SUPPLIES.

The Contractor shall make all the necessary arrangements and installation work that may be required for power and water supplies for the work under this Contract. Cost for said power and water supplies shall be included in appropriate unit prices bid and no direct payment will be made therefore.

2.6 CONTRACTORS LICENSE REQUIRED.

The Department shall reject all bids received from contractors who are not licensed by the State Contractors License Board in accordance with Chapter 444, Hawai'i Revised Statutes. It is the sole responsibility of the Bidder to review the requirements of this Project and determine the appropriate licenses that are required to complete the Project.

2.7 HOURS.

No work shall be done on Saturdays, Sundays, legal State Holidays and/or in excess of eight (8) hours each day without the written consent of the Contract Administrator. Should permission be granted to work at such times, the Contractor shall pay for all inspectional and administrative costs thereof. No work shall be done at night unless authorized by the Contract Administrator. No work shall be done at night during seabird fallout season (September 15 – December 15, annually). See: SECTION 6.9 and 6.12 of the GENERAL PROVISIONS.

2.8 QUANTITIES.

All bids will be compared on the basis of quantities of work to be done, as shown in the

bid; the quantities shown in the Unit Price items are estimated, being given as a basis for comparison of bids. The Department reserves the right to increase or decrease the quantities or delete items entirely as may be required during the progress of the work. See: SECTION 7.2 and 7.3 of the GENERAL PROVISIONS.

2.9 MATERIALS FURNISHED FOR THE PROJECT.

All materials necessary for the completion of the project shall be furnished by the Contractor, unless specifically stated otherwise and full compensation thereof shall be included in the various items in the bid. All materials for this Project shall be ordered after the notice to proceed is issued and the shop drawings, if applicable, have been approved by the Department.

2.10 WORK TO BE DONE WITHOUT DIRECT PAYMENT.

Whenever it is specified in the contract that the Contractor is to do work or furnish materials of any kind for which no price is fixed in the contract, it shall be understood that such work or furnishing such materials was included in a unit price for the appropriate item, unless it is expressly specified that such work or material is to be paid for as extra work.

2.11 INTENT OF THE SPECIFICATIONS.

It is not the intent of the Department to limit Proposers to these specifications; however, the specifications designated as "requirements" contained herein are the minimum acceptable.

2.12 IMPLEMENTATION.

The Contractor will be required to:

- 2.12.1 Provide required permits for the construction of this Project, trained construction crew and project management necessary to ensure a complete constructed and fully functional water facilities as specified in this solicitation.
- 2.12.2 Provide all documentation, including all warranties and certification documents, on the construction materials being used.

2.13 GOVERNING LAW; APPLICATION OF LAW.

This solicitation and the Contract awarded based on such solicitation shall be governed by the laws of the State of Hawai'i. The Contractor shall comply with all federal, State and local laws, regulations and ordinances, including occupational safety and health standards applicable to the performance of the services specified.

### **3 METHOD OF AWARD**

#### **3.1 METHOD OF AWARD.**

3.1.1 Award, if made, shall be to the responsive, responsible Offeror submitting the lowest Total Sum Bid price.

3.1.2 Only those offers that meet all of the solicitation specifications, General Provisions, Special Provisions, and any other requirement contained herein will be considered for award. Any offer that proposes terms, conditions, or requirements that are contrary to those specified herein or does not meet the qualification requirements of this solicitation, as solely determined by the Department and as provided herein, may be considered nonresponsive and will be rejected as provided herein.

#### **3.2 HAWAI'I REVISED STATUTES.**

The Contractor's attention is called to the following chapters within the HRS which affect this Contract and the performance thereof:

Chapter 103, relating to expenditure of public money;  
Chapter 104, relating to wages and hours of employees on public works;  
Chapter 376, relating to industrial safety;  
Chapter 386, relating to workmen's compensation;  
Chapter 321, relating to the Health Department;  
Section 507-17, relating to recovery on bond for material and labor used on public works; and  
Chapter 378, relating to fair employment practices

#### **3.3 RESPONSIBILITY OF SUCCESSFUL BIDDER.**

3.3.1 The successful Bidder is advised that it shall, immediately prior to award of the contract, furnish proof of compliance with the requirements of HAR §3-122-112, to wit: Chapter 237, tax clearance; Chapter 383, unemployment insurance; Chapter 386, workers' compensation; Chapter 392, temporary disability insurance; Chapter 393, prepaid health care; and one of the following: a) Be registered and incorporated or organized under the laws of the State (hereinafter referred to as a "Hawai'i business"); or b) Be registered to do business in the State (hereinafter referred to as a "compliant non-Hawai'i business."

3.3.2 To comply with these requirements, the successful Bidder shall produce the following documents to the Department to demonstrate compliance with this section.

3.3.2.1 HRS Chapter 237 Tax Clearance Requirement for Award and Final Payment. Instructions are as follows:

Pursuant to HRS §103D-328, successful Bidder shall be required to submit

a tax clearance certificate issued by the Hawai'i State Department of Taxation ("DOTAX") and the U.S. Internal Revenue Service ("IRS"). The certificate is valid for six (6) months from the most recent approval stamp date on the certificate and must be valid on the date it is received by the Department of Water.

The tax clearance certificate shall be obtained on the State of Hawai'i, DOT TAX CLEARANCE APPLICATION Form A-6 (Rev. 2003) which is available at the DOTAX and IRS offices in the State of Hawai'i or the DOTAX website and by mail or fax:

DOTAX Website (forms & Information):

<http://www.state.hi.us/tax/alphalist.html#a>

DOTAX Forms by Fax/Mail: (808) 587-7572 / 1-800-222-7572

Completed tax clearance applications may be mailed, faxed or submitted in person to the Department of Taxation, Taxpayer Services Branch, to the address listed on the application.

DOTAX (fax): (808) 587-1488

IRS (fax): (808) 539-1573

The application for the clearance is the responsibility of the Bidder and must be submitted directly to the DOTAX or IRS and not to the Department of Water.

3.3.3 HRS Chapters 383 (Unemployment Insurance), 386 (Workers' Compensation), 392 (Temporary Disability Insurance), and 393 (Prepaid Health Care) Requirements for Award. Instructions are as follows:

Pursuant to HRS §103D-310, the successful Bidder shall be required to submit an approved certificate of compliance issued by the Hawai'i State Department of Labor and Industrial Relations ("DLIR"). The certificate is valid for six (6) months from the date of issue and must be valid on the date it is received by the Department.

The certificate of compliance shall be obtained on the State of Hawai'i, DLIR APPLICATION FOR CERTIFICATE OF COMPLIANCE WITH SECTION 3-122-112, HAR, Form LIR#27 which is available at [www.dlir.state.hi.us/LIR#27](http://www.dlir.state.hi.us/LIR#27), or at the neighbor island DLIR District Offices. The DLIR will return the form to the Bidder who in turn shall submit it to the Department.

The application for the certificate is the responsibility of the Bidder and must be submitted directly to the DLIR and not to the Department of Water.

### 3.4 REQUIREMENT FOR AWARD.

To be eligible for award, the Bidder must comply as follows:

- 3.4.1 Hawai'i Business. A business entity referred to as a "Hawai'i business" is registered and incorporated or organized under the laws of the State of Hawai'i. As evidence of compliance, Bidder shall submit a CERTIFICATE OF GOOD STANDING issued by the State of Hawai'i Department of Commerce and Consumer Affairs Business Registration Division ("BREG"). A Hawai'i business that is a sole proprietorship, however, is not required to register with the BREG and therefore not required to submit the certificate. A Bidder's status as sole proprietor or other business entity and its business street address indicated on the OFFER form will be used to confirm that the Bidder is a Hawai'i business.
- 3.4.2 Compliant Non-Hawai'i Business. A business entity referred to as a "compliant non-Hawai'i business" is not incorporated or organized under the laws of the State of Hawai'i but is registered to do business in the State of Hawai'i. As evidence of compliance, Bidder shall submit a CERTIFICATE OF GOOD STANDING.

To obtain a CERTIFICATE OF GOOD STANDING go online to [www.BusinessRegistrations.com](http://www.BusinessRegistrations.com) and follow the prompt instructions. To register or to obtain a "Certificate of Good Standing" by phone, call (808) 586-2727 (M-F 7:45 to 4:30 HST). The "Certificate of Good Standing" is valid for six months from date of issue and must be valid on the date it is received by the Department.

- 3.4.3 Registration Costs. Bidders are advised that there are costs associated with registering and obtaining a "Certificate of Good Standing" from the DCCA.

### 3.5 TIMELY SUBMISSION OF ALL CERTIFICATES.

- 3.5.1 The certificates described in this section should be applied for and submitted to the Department as soon as possible after the Department notifies the successful Bidder that the Department intends to issue an award to the successful Bidder. If valid certificates are not submitted within **ten (10) calendar days** after the Department so notifies the successful bidder, the successful Bidder's offer may be disqualified and any prospective award (or actual award if mistakenly issued), even though the successful bidder's bid is otherwise responsive and responsible, may be canceled without any liability whatsoever to the Department. The Department, and not the successful bidder, shall determine whether all necessary certificates have been timely submitted.
- 3.5.2 If the Department cancels any prospective or actual award for failure to submit all required certificates, the Department reserves the right to make an award to the next lowest responsive and responsible Bidder who is able to submit all the required certificates.



### 3.6 FINAL PAYMENT REQUIREMENTS.

Contractor is also required to submit a tax clearance certificate for final payment on the contract. A tax clearance certificate, not over two months old, with an original green certified copy stamp, must accompany the invoice for final payment on the contract. In addition to a tax clearance certificate, an original "Certification of Compliance for Final Payment" (SPO Form-22), will be required for final payment. This form is attached hereto as Appendix F.

#### **4 AWARD OF CONTRACT AND NOTICE TO PROCEED**

##### **4.1 AWARD.**

The successful Bidder shall comply with SECTION 3 - AWARD AND EXECUTION OF CONTRACT of the GENERAL PROVISIONS in its entirety.

##### **4.2 NOTICE OF AWARD.**

The Procurement Officer will inform the successful Bidder of contract award selection within 48 hours of confirmation. Additionally, an official contract award notification letter will be executed by the Department and provided at the earliest date.

##### **4.3 NOTICE TO PROCEED.**

Upon contract execution, a "Notice to Proceed" letter will be provided to the Contractor specifying the "Commencement" (start work) date of the Contract. No work is to be undertaken by the Contractor prior to the commencement date specified in the Notice to Proceed letter. The Department is not liable for any work, contract, costs, expenses, loss of profits, or any damages whatsoever incurred by the Contractor prior to the official Notice to Proceed "Commencement" date.

**APPENDIX A: Sample Contract (bound separately).**

**APPENDIX B:** General Provisions for Construction Contracts for the Department of Water, dated April 25, 2016 (bound separately).

**APPENDIX C: Offer.**

Contractor \_\_\_\_\_

OFFER

For

DEPARTMENT OF WATER, COUNTY OF KAUA'I,  
LĪHU'E, KAUA'I, HAWAI'I

\_\_\_\_\_ 20 \_\_\_\_\_

Chief Procurement Officer  
Department of Water  
County of Kaua'i  
4398 Pua Loke Street  
Līhu'e, Hawai'i 96766

Dear Sir:

Pursuant to and in compliance with your Invitation For Bids and other Contract Documents relating thereto, the undersigned Offeror, having familiarized itself with the terms of the contract, the local conditions affecting the performance of the contract and the cost of the work at the place where the work is done, the plans and specifications, "General Provisions for Construction Contracts of the Department of Water", "Water System Standards, 2002", Invitation For Bids, and other Contract Documents, hereby proposes and agrees to perform, within the time stipulated in the said documents, including all its component parts and everything required to be performed, and to provide and furnish any and all of the labor, materials, tools, expendable equipment, and all utility and transportation services necessary to perform the contract, in a workmanlike manner, in place complete all of the work covered by the contract in connection with these specifications and accompanying construction plans titled:

**JOB NO. 18-07 KUKUIOLONO 0.2 MG TANK DEMOLITION, KAUA'I, HAWAI'I**

on file in the office of the Department of Water for,

TOTAL SUM OFFER \_\_\_\_\_ DOLLARS  
(words)

(\$ \_\_\_\_\_) said total sums being itemized on the following pages:

**OFFER SCHEDULE**

**JOB NO. 18-07, KUKUIOLONO 0.2 MG TANK DEMOLITION, KAUA'I, HAWAII**

ITEM NO.	ESTIMATED QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL
1	1	<b>Lump Sum.</b> Mobilization & demobilization (not to exceed 6% of the sum of all items excluding proposal price of this item).		\$
2	1	<b>Lump Sum.</b> Clearing, grubbing, and disposal of all vegetation within project limits, including trees.		\$
3	1	<b>Lump Sum.</b> Unclassified site excavation and embankment to the finish grade, in place complete.		\$
4	4	<b>Square Feet.</b> Abate, transport, and dispose of asbestos containing materials	\$	\$
5	1	<b>Each.</b> 55-Gallon Drum. Transport and dispose of RCRA-hazardous waste lead paint debris.	\$	\$
6	1	<b>Lump Sum.</b> Remove and dispose of existing 8-inch cast iron pipe, water valve boxes and valves.		\$
7	1	<b>Lump Sum.</b> Remove and dispose of existing 6-inch cast iron pipe, water valve boxes and valves.		\$
8	1	<b>Lump Sum.</b> Remove and dispose of existing water tank (200,000 Gal.), including 12-inch reinforced concrete floor slab, concrete walls & extensions, and miscellaneous slabs.		\$
9	1	<b>Lump Sum.</b> Remove and dispose of existing platform, A.C. unit, and building shed.		\$
10	1	<b>Lump Sum.</b> Cut and plug existing 6-inch cast iron pipe.		\$
11	300	<b>Cubic Yards.</b> Excavate, transport, and dispose of lead contaminated soil to in-state landfill.	\$	\$
12	1	<b>Lump Sum.</b> Install temporary gate and erosion control measures, inclusive of silt		\$

ITEM NO.	ESTIMATED QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL
		fence, dust screen, and stabilized construction entrance, maintenance of erosion control BMP's, and other appurtenant work, all in accordance with the plans and specifications, in place complete.		
13	2,482	<b>Square Feet.</b> El Toro Zoysia grass, planted, fertilized, and maintained in accordance with the specifications.	\$	\$
		<b>TOTAL SUM OFFER (Items 1 to 13 inclusive)</b>		\$

**SCHEDULE B**  
**HAWAI'I PRODUCTS PREFERENCE**

In accordance with HRS §103D-1002, the Hawai'i products preference is applicable to this solicitation. Hawai'i Products ("HP") are available for those items noted on Schedule B, below. The Hawai'i products list is available on the SPO webpage at [www.spo.hawaii.gov/for-state-county-personnel/manual/procurement/solicitation/goods-services-construction/preferences/hawaii-product-preferences/](http://www.spo.hawaii.gov/for-state-county-personnel/manual/procurement/solicitation/goods-services-construction/preferences/hawaii-product-preferences/) or go to the SPO Home page, click on "For Vendors" tab; click on Preferences, Hawai'i Product Preferences to view. Offeror transmitting a Hawai'i Product (HP) shall identify the HP on Schedule B-1.

Any person desiring a Hawai'i product preference shall have the product(s) certified and qualified if not currently on the Hawai'i products list, prior to the deadline for receipt of offer(s) specified in the procurement notice and solicitation. The responsibility for certification and qualification shall rest upon the person requesting the preference. Persons desiring to qualify their product(s) not currently on the Hawai'i product list shall complete form SPO-038, Certification for Hawai'i Product Preference and submit, via email to the Procurement Officer issuing the solicitation, and provide the solicitation number and title in the subject line, and include all additional information required by the Procurement Officer. For each product, one form shall be completed and transmitted (i.e. 3 products should have 3 separate forms completed). Form SPO-038 is available on the SPO webpage at <http://hawaii.gov/spo> under the 'Quicklinks' menu; click on 'Forms for Vendors, Contractors, and Service Providers'.

When a solicitation contains both HP and non-HP, then for the purpose of selecting the lowest bid or purchase price only, the price offered for a HP item shall be decreased by subtracting 10% for the class I or 15% for the class II HP items offered, respectively. The lowest total offer, taking the preference into consideration, shall be awarded the contract unless the offer provides for additional award criteria. The contract amount of any contract awarded, however, shall be the amount of the price offered, exclusive of the preferences.

Change in Availability of Hawai'i product. In the event of any change that materially alters the Offeror's ability to supply Hawai'i products, the Offeror shall notify the Procurement Officer in writing no later than five (5) working days from when the Offeror knows of the change and the parties shall enter into discussions for the purposes of revising the contract or terminating the contract for convenience.

The following is a list of products that the Department anticipates will be used in this particular project; however the list is not all inclusive and additional products may be qualified.

**HAWAI'I PRODUCTS LIST**

HP Description	Manufacturer/Supplier	Class
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Bidders intending to use or supply a Hawai'i Product must list the price and total cost of each item f.o.b. jobsite, unloaded, including applicable general excise tax and use tax on this form. Failure to designate a Hawai'i product will mean that the Bidder is offering a non-Hawai'i product and award, if made to the bidder, will be on the basis that the bidder will deliver or use a non-Hawai'i product.

The Bidder shall list only the Manufacturers/Suppliers certified and qualified on Schedule B.

If the Department has awarded a contract under HRS, § 103D-1002, finds that in the performance of that contract there has been a failure to comply with HRS, § 103D-1002, the contract shall be voidable and the findings shall be referred for debarment or suspension proceedings under HRS 103D-702. Any purchase made or any contract awarded or executed in violation of this section shall be void and no payment shall be made by the Department on account of the purchase or contract.

SCHEDULE B-1  
SCHEDULE OF MATERIAL COST  
*(if Hawai'i preference requested)*

HAWAI'I PRODUCT	MANUFACTURER	CLASS	APPROX. QUANTITY	UNIT	TOTAL COST OF MATERIAL
Aggregates and Sand – Basalt, rock, cinder, limestone and coral					
Aggregates – Recycled asphalt and concrete					
Asphalt and paving materials					
Cement and concrete products					
Pre-cast concrete products					
Signs–traffic, regulatory and construction					
Soil amendments, mulch, compost					

SCHEDULE C  
MANDATORY LICENSING REQUIREMENT

“A” general engineering contractors and “B” general building contractors are reminded that due to the Hawai‘i Supreme Court’s January 28, 2002 decision in Okada Trucking Co., Ltd. V. Board of Water Supply, et al., 97 Haw. 450 (2002), they are prohibited from undertaking any work, solely or as part of a larger project, that would require the general contractor to act as a specialty contractor in any area in which the general contractor has no license. Although the “A” and “B” contractor may still submit an offer on and act as the “prime” contractor on an “A” and “B” project (*See, HRS § 444-7 for the definitions of an “A” and “B” project.*), respectively, the “A” and “B” contractor may only perform work in the areas in which they have the appropriate “C” specialty contractor’s license (*An “A” or “B” contractor obtains “C” specialty contractor’s licenses either on its own, or automatically under HAR § 16-77-32.*). The remaining work must be subcontracted out to appropriately licensed “C” specialty contractors. It is the sole responsibility of the contractor to review the requirements of this project and determine the appropriate licenses that are required to complete the project.

LISTING OF SUBCONTRACTORS

Sec. 103D-302, H.R.S., provides that each offer for Public Works Construction Contracts shall include the name of each person or firm to be engaged by the Offeror as a joint contractor or subcontractor in the performance of the Public Works Construction Contract. The Offer shall also indicate the nature and scope of the work to be performed by such joint contractors or subcontractors. All offers which do not comply with this requirement shall be rejected pursuant to Sec. 103D-302(b) H.R.S.

To comply with the above provisions, the offeror shall complete the schedule of the nature and scope of work by listing, where applicable, the names of the joint contractors and subcontractors to be used after the description of the nature and scope of the work.

ALL JOINT CONTRACTORS OR SUBCONTRACTORS TO BE ENGAGED ON THIS PROJECT

The Offeror certifies that the following is a complete listing of all joint contractors and/or subcontractors who will be engaged by the Offeror on this Project to perform the nature and scope of work indicated **regardless of the percentage of the value of the work to be performed by the joint contractor or subcontractor**, pursuant to Section 103D-302, Hawai‘i Revised Statutes, and understands that failure to comply with this requirement shall be just cause for rejection of the Offer.

The Offeror further understands that only those joint contractors or subcontractors listed shall be allowed to perform work on this Project. If no joint contractor or subcontractor for any subdivision of work is listed, it shall be construed that the work shall be performed by the Offeror with Offeror’s employees.

All Offerors must be sure that they possess, and that the joint contractors or subcontractors listed in the Offer possess, all the necessary specialty licenses needed to perform the work for this Project. The Offeror shall be solely responsible for assuring that all specialty licenses required to perform the work is covered in the Offer.

The Offeror shall include the license number of the joint contractors or subcontractors listed below. Failure to provide the correct names and license numbers as registered with the Contractors Licensing Board may cause rejection of the offer submitted.

**It is the sole responsibility of the contractor to review the requirements of this Project and determine the appropriate licenses that are required to complete the Project.**

LISTING OF ALL JOINT CONTRACTORS OR SUBCONTRACTORS

	Contractor Classification	Name of Joint Contractor or Subcontractor	License Number
C-1	Acoustical and Insulation Contractor		
C-2	Mechanical Insulation Contractor		
C-3	Asphalt Paving and Surfacing Contractor		
C-3a	Asphalt Concrete Patching, Sealing, and Striping Contractor		
C-3b	Play Court Surfacing Contractor		
C-4	Boiler, Hot-Water Heating and Steam Fitting Contractor		
C-5	Cabinet, Millwork, and Carpentry Remodeling and Repairs Contractor		
C-5a	Garage Door and Window Shutters Contractor		
C-5b	Siding Application Contractor		
C-6	Carpentry Framing Contractor		
C-7	Carpet Laying Contractor		
C-9	Cesspool Contractor		
C-10	Scaffolding Contractor		
C-12	Drywall Contractor		
C-13	Electrical Contractor		
C-14	Sign Contractor		
C-15	Electronic Systems Contractor		
C-15a	Fire and Burglar Alarm Contractor		
C-15b	Telecommunications Contractor		
C-16	Elevator Contractor		
C-16a	Conveyor Systems Contractor		
C-17	Excavating, Grading, and Trenching Contractor		
C-19	Asbestos Contractor		
C-20	Fire Protection Contractor		
C-20a	Fire Repressant Systems Contractor		

	Contractor Classification	Name of Joint Contractor or Subcontractor	License Number
C-21	Flooring Contractor		
C-22	Glazing and Tinting Contractor		
C-22a	Glass Tinting Contractor		
C-23	Gunite Contractor		
C-24	Building Moving and Wrecking Contractor		
C-25	Institutional and Commercial Equipment Contractor		
C-27	Landscaping Contractor		
C-27a	Hydro Mulching Contractor		
C-27b	Tree Trimming and Removal Contractor		
C-31	Masonry Contractor		
C-31a	Cement Concrete Contractor		
C-31b	Stone Masonry Contractor		
C-31c	Refractory Contractor		
C-31d	Tuckpointing and Caulking Contractor		
C-31e	Concrete Cutting, Drilling, Sawing, Coring, and Pressure Grouting Contractor		
C-32	Ornamental, Guardrail, and Fencing Contractor		
C-32a	Wood and Vinyl Fencing Contractor		
C-33	Painting and Decorating Contractor		
C-33a	Wall Coverings Contractor		
C-33b	Taping Contractor		
C-33c	Surface Treatment Contractor		
C-34	Soil Stabilization Contractor		
C-35	Pile Driving, Pile and Caisson Drilling, and Foundation Contractor		
C-36	Plastering Contractor		
C-36a	Lathing Contractor		

	Contractor Classification	Name of Joint Contractor or Subcontractor	License Number
C-37	Plumbing Contractor		
C-37a	Sewer and Drain Line Contractor		
C-37b	Irrigation and Lawn Sprinkler Systems Contractor		
C-37c	Vacuum and Air Systems Contractor		
C-37d	Water Chlorination and Sanitation Contractor		
C-37e	Treatment and Pumping Facilities Contractor		
C-37f	Fuel Dispensing Contractor		
C-38	Post Tensioning Contractor		
C-40	Refrigeration Contractor		
C-40a	Prefabricated Refrigerator Panels Contractor		
C-41	Reinforcing Steel Contractor		
C-42	Roofing Contractor		
C-42a	Aluminum and Other Metal Shingles Contractor		
C-42b	Wood Shingles and Wood Shakes Contractor		
C-42c	Concrete and Clay Tile Contractor		
C-42e	Urethane Foam Contractor		
C-42g	Roof coatings Contractor		
C-43	Sewer, Sewage Disposal, Drain, and Pipe Laying Contractor		
C-43a	Reconditioning and Repairing Pipeline Contractor		
C-44	Sheet Metal Contractor		
C-44a	Gutters Contractor		
C-44b	Awnings and Patio Cover Contractor		
C-48	Structural Steel Contractor		
C-48a	Steel Door Contractor		
C-49b	Hot Tub and Pool Contractor		

	Contractor Classification	Name of Joint Contractor or Subcontractor	License Number
C-51	Tile Contractor		
C-51a	Cultured Marble Contractor		
C-51b	Terrazzo Contractor		
C-52	Ventilating and Air Conditioning Contractor		
C-55	Waterproofing Contractor		
C-56	Welding Contractor		
C-57	Well Contractor		
C-57a	Pumps Installation Contractor		
C-57b	Injection Well Contractor		
C-60	Solar Power Systems Contractor		
C-61	Solar Energy Systems Contractor		
C-61a	Solar Hot Water Systems Contractor		
C-61b	Solar Heating and Cooling Systems Contractor		
C-62	Pole and Line Contractor		
C-62a	Pole Contractor		
C-63	High Voltage Electrical Contractor		
C-68	Classified Specialist		
	Licensed Surveyor		
	Licensed Geotechnical Engineer		
	Licensed Structural Engineer		
	Archaeologist		
	Cultural Monitor		
	Licensed Civil Engineer		
	Supervising Control and Data Acquisition (SCADA) Contractor		
*			
*			
*			
*			

	Contractor Classification	Name of Joint Contractor or Subcontractor	License Number
*			
*			

\* Contractor to add licenses as required to complete the scope of work. Attach additional sheet as needed. It is understood and agreed that the Department reserves the right to reject any and/or all offers and waive any defects when, in the Department's opinion, such rejection or waiver shall be for the best interest of the Department.

For purpose of evaluating the criterion described in this solicitation, it is understood and agreed that offers will be compared on the basis of the Total Sum Offer which shall be considered to be the total sum of actual or corrected amounts proposed on each item. The offerors signed Offer shall constitute the Offeror's official offer. The Department reserves the right to designate the contract amount based on selected Offeror's Total Sum Offer depending on the funds available for this Project.

It is also understood and agreed that the work called for under this Project must and shall be completed within **270** consecutive calendar days after written notice has been given to the successful Offeror to commence work. It is also understood and agreed that the quantities given herewith are approximate only and are subject to increase or decrease and that the undersigned will perform all quantities of work, as either increase or decrease, in accordance with the provisions of the specifications.

It is also understood and agreed that the estimated quantities shown for items for which a UNIT PRICE is listed in the Offer are only for the purpose of comparing on a uniform basis offers offered for the work under this contract, and the undersigned agrees that the undersigned is satisfied with and will not dispute said estimated quantities as a means of comparing the offers. It is understood and agreed that the Offeror will make no claims for anticipated profit or loss of profit because of a difference between quantities of the various classes of work done or the materials and equipment actually installed and the said estimated quantities. On UNIT PRICE offers, payment will be made only for the actual number of units incorporated into the finished project at the contract UNIT PRICE.

It is also understood and agreed that if the product of the UNIT PRICE offer and the number of units does not equal the total amount stated by the Offeror in the offer for any item, it will be assumed that the error was made in computing the total amount. For purpose of evaluating the criterion described in this solicitation, the stated UNIT PRICE alone will be considered as representing the Offeror's intention and the total amount offered on such item shall be considered to be the amount arrived at by multiplying the UNIT PRICE by the number of units.

It is also understood and agreed that the liquidated damages in the amount of **One Thousand Dollars (\$1,000.00)** for each and every calendar day in excess thereof prior to completion of the contract beyond the specified and approved completion date, shall be withheld from payments due to the Contractor, pursuant to the Damages for Delay provision contained in this solicitation.

It is also understood and agreed that if this offer is accepted, the successful offeror will contract with the Board and said offeror shall furnish the required bonds to the Board within ten (10) days from the date of receiving from the Board the contract prepared and ready for execution.



It is further understood and agreed that the successful offeror will provide all necessary materials, labor, tools, equipment, and other incidental necessary to do all the work and furnish all the materials specified in the contract in the manner and time herein prescribed and according to the requirements of the Department as therein set forth.

The undersigned further understands and agrees that by submitting this Offer, 1) the Offeror is declaring that the Offer is not in violation of Chapter 84, Hawai'i Revised Statutes, and 2) Offeror is certifying that the price(s) submitted was (were) independently arrived at without collusion.

It is also understood and agreed that if this Offer is accepted and the undersigned shall fail to or neglect to contract as aforesaid, the Board may determine that the offeror has abandoned the contract and thereupon forfeiture of the security accompanying the Offer shall operate and the same shall become the property of the Board.

Enclosed herewith is a Bidder's Bond (Bid Security)	( )	for the sum
Surety Bond	( )	
Legal Tender	( )	
Certificate of Deposit	( )	
Share Certificate	( )	
Cashier's Check	( )	
Treasurer's Check	( )	
Teller's Check	( )	
Certified Check	( )	

of \_\_\_\_\_ DOLLARS  
(\$ \_\_\_\_\_) payable to the Department of Water, being not less than the sum required under Sub-Section 2.9 "Bid Security" of the "General Provisions for Construction Contracts of the Department of Water", dated April 25, 2016.

Evidence of the undersigned Offeror having the authority to submit this Offer and to enter a contract is herewith furnished.

Respectfully submitted,

\_\_\_\_\_  
Name of Offeror

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Print/Type Name & Title of above

\_\_\_\_\_  
Address, Zip Code

\_\_\_\_\_  
Telephone

\_\_\_\_\_  
Contractor's License No.

\_\_\_\_\_  
State of Hawai'i General Excise Tax License No.

\_\_\_\_\_  
Federal Employer Identification No.

Type of Organization: (Please designate)

- Sole Proprietorship     Partnership  
 Corporation             Joint Venture  
 Other (*please specify*) \_\_\_\_\_

State of Incorporation:         Hawai'i                     Other (*please specify*) \_\_\_\_\_

Name of Performance Bond Surety Co. \_\_\_\_\_

Address \_\_\_\_\_

Authorized to do Business in the State of Hawai'i?  Yes or  No

If corporation, state who will sign contract and signatory's title:

Name

Title

---

Name

---

Title

---

**If the Offeror is a CORPORATION**, the legal name of the corporation shall be set forth on the Offer, together with the signature(s) of the Officer(s) authorized to sign on behalf of the corporation and the corporate seal affixed thereto. Evidence of the authority of the Officer(s) to sign on behalf of the Corporation SHALL be attached to this page and included in the Offer. Acceptable evidence of authority to sign includes, but is not limited to, a copy of the articles of incorporation, corporate resolution, or corporate by-laws. (See HRS Ch. 415, Hawai'i Business Corporation Act).

**If the Offeror is a LIMITED LIABILITY COMPANY**, the legal name of the company shall be set forth on the Offer, together with the signature(s) of the member of the limited liability company or manager of the manager-managed limited liability company authorized to sign on behalf of the entity. Evidence of the authority of the Officer(s) authorized to sign on behalf of the company SHALL be attached to this page and included in the Offer.

**If the Offeror is a PARTNERSHIP**, the legal name of the firm shall be set forth on the Offer, together with the signature(s) of the General Partner(s) authorized to sign on behalf of the partnership. Evidence of the authority of the General Partner(s) authorized to sign on behalf of the partnership SHALL be attached to this page and included with the Offer. Acceptable evidence of authority to sign for the partnership includes, but is not limited to, a copy of the partnership registration statement or authorization signed by all of the partners. (See HRS Ch. 425, Partnerships).

**If Offeror is a SOLE PROPRIETORSHIP**, Offeror's signature shall be placed above.

---

**NOTE:** PLEASE DO NOT DETACH THIS SAMPLE OFFER FROM THE SPECIFICATIONS. FILL IN ALL BLANK SPACES WITH INFORMATION REQUIRED OR OFFER MAY BE REJECTED.

**APPENDIX D: Insurance (bound separately).**

Click or tap here to enter text.

**APPENDIX E: Wage Certificate for Service Contracts**

**WAGE CERTIFICATE FOR CONSTRUCTION CONTRACTS**

Projects subject to HRS 104

TO: Manager and Chief Engineer

SUBJECT: Solicitation No.: \_\_\_\_\_

PROJECT: \_\_\_\_\_

Pursuant to **HRS 103-55.5 Wages and Hours of Employees on Public Works Construction Contracts**, I hereby certify that if awarded the contract in excess of \$2,000, the work to be performed will be performed under the following conditions:

1. Individuals engaged in the performance of the contract on the job site shall be paid:
  - a. Not less than the wages that the director of labor and industrial relations shall have determined to be prevailing for corresponding classes of laborers and mechanics employed on public works projects; and
  - b. Overtime compensation at one and one-half times the basic hourly rate plus fringe benefits for hours worked on Saturday, Sunday, or a legal holiday of the State or in excess of eight hours on any other day; and
2. All applicable laws of the federal and state governments relating to workers' compensation, unemployment compensation, payment of wages, and safety shall be fully complied with.

Offeror: \_\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

**APPENDIX F: Certification of Compliance for Final Payment.**

**CERTIFICATION OF COMPLIANCE FOR FINAL PAYMENT**  
*(Reference §3-122-112, HAR)*

**Reference:** \_\_\_\_\_  
(Contract Number) (IFB/RFP Number)

\_\_\_\_\_ affirms it is in  
(Company Name)  
compliance with all laws, as applicable, governing doing business in the State of Hawai'i to include the following:

1. Chapter 383, HRS, Hawai'i Employment Security Law – Unemployment Insurance;
2. Chapter 386, HRS, Worker's Compensation Law;
3. Chapter 392, HRS, Temporary Disability Insurance;
4. Chapter 393, HRS, Prepaid Health Care Act; and

maintains a "Certificate of Good Standing" from the Department of Commerce and Consumer Affairs, Business Registration Division.

Moreover, \_\_\_\_\_  
(Company Name)

acknowledges that making a false statement shall cause its suspension and may cause its debarment from future awards of contracts.

Signature: \_\_\_\_\_

Print Name: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

## **APPENDIX G: Apprenticeship Program.**

Bidders seeking preference for this shall:

1. Be a party to an apprenticeship program registered with the State Department of Labor and Industrial Relations (DLIR) at the time of its Offer for each apprenticeable trade the Proposer will employ to construct the public works project for which the Offer is made; and
2. For each apprenticeable trade the proposer will employ for this project, submit with its Offer fully executed and authorized CERTIFICATION OF BIDDER'S PARTICIPATION IN APPROVED APPRENTICESHIP PROGRAM UNDER ACT 17. Schedule F attached to this solicitation verifying participation in apprenticeship program(s) registered with the DLIR.
3. The Contractor shall certify each month that work is being conducted on the project and that it continues to be a participant in the relevant apprenticeship program for each trade it employs. Monthly certification shall be made on MONTHLY REPORT OF CONTRACTOR'S PARTICIPATION IN APPROVED APPRENTICESHIP PROGRAM UNDER ACT 17 (Schedule F-I).

**SCHEDULE F - CERTIFICATION OF BIDDER'S PARTICIPATION IN APPROVED APPRENTICESHIP PROGRAM UNDER ACT 17**

<b>I. Bidder's Identifying Information</b>			
A. Legal Business Name: _____			
B. Project Bid Title & Reference No.: _____			
C. Contact Person's Name: _____			
1. Phone No.: _____		2. E-Mail: _____	
<b>II. Apprenticeable Trades To Be Employed*</b>	<b>B. Apprenticeship Sponsor*</b> (One Sponsor Per Form)	<b>C. No. Enrolled</b> (# of apprentices currently enrolled as of bidder's request date)	<b>D. No. Completed</b> (# of apprentices who completed the apprenticeship program in the 12 months prior to request date)
A. (List)			
1.			
2.			
3.			
4.			
5.			
6.			
<b>III. Bidder's Certification</b>			
I certify that the above information is accurate to the best of my knowledge, I understand that my willful misstatement of facts may cause forfeiture of the preference under Act 17 and may result in criminal action. I give permission for outside sources to be contacted and for them to disclose any information necessary to verify the bidder's preference.			
A. Name (Type) _____		B. Title _____	
C. Signature (original signature required) _____		D. Date _____	
<b>IV. Apprenticeship Sponsor's Contact Information</b>			
A. Training Coordinator's Name: _____			
B. Address: _____			
C. Phone No.: _____		D. E-Mail: _____	E. Fax No: _____
I certify that the above information is accurate to the best of my knowledge. I understand that my willful misstatement of facts may cause forfeiture of the bidder's preference and may result in criminal action. I give permission for outside sources to be contacted and for them to disclose any information necessary to verify the bidder's preference under Act 17.			
A. Name of Authorized Official _____		B. Title _____	
C. Signature (original signature required) _____		D. Date _____	

\* Name of Apprenticeable Trade and Apprenticeship Sponsor must be the same as recorded in the List of Construction Trades in Registered Apprenticeship Programs that is posted on the State Department of Labor and Industrial Relations website. (Rev. 08/25/2010)



**SCHEDULE F-1 - MONTHLY REPORT OF CONTRACTOR'S PARTICIPATION IN APPROVED APPRENTICESHIP PROGRAM UNDER ACT 17**

<b>I. Contractor's Identifying Information</b>		<b>II. Reporting Period</b>	
A. Legal Business Name: _____		A. Month: (choose) _____	B. Year: (choose) _____
B. Project Bid Title & Reference No.: _____			
C. Contact Person's Name: _____			
1. Phone No.: _____		2. E-Mail: _____	
<b>III. Apprenticeship Program (Complete a separate form for <i>each</i> apprenticeship program in which workers are employed on the project)</b>			
A. Contractor was a party to an apprenticeship program or programs with the following sponsor: (Give sponsor's name(s)).*		B. Was the contractor a party to the program during the <i>entire</i> report month?	
		1. YES <input type="checkbox"/>	
		2. NO <input type="checkbox"/> If NO, state applicable period and why (may be subject to sanctions.)	
<b>III. Contractor's Certification</b>			
I certify that the above information is accurate to the best of my knowledge. I understand that my willful misstatement of facts may cause forfeiture of the preference under Act 17 and may result in criminal action. I give permission for outside sources to be contacted and for them to disclose any information necessary to verify the bidder's preference.			
_____		_____	
A. Name (Type)		B. Title	
_____		_____	
C. Signature (original signature required)		D. Date	
<b>IV. Apprenticeship Sponsor's Contact Information</b>			
A. Training Coordinator's Name: _____			
B. Address: _____			
C. Phone No.: _____		D. E-Mail: _____	
E. Fax No: _____			
<b>V. Apprenticeship Program Sponsor's Certification</b>			
I certify that the above information is accurate to the best of my knowledge. I understand that my willful misstatement of facts may cause forfeiture of the bidder's preference and may result in criminal action. I give permission for outside sources to be contacted and for them to disclose any information necessary to verify the bidder's preference under Act 17.			
_____		_____	
A. Name of Authorized Official		B. Title	
_____		_____	
C. Signature (original signature required)		D. Date	

\* Name of Name of Apprenticeship Sponsor must be the same as recorded in the list of Construction Trades in Registered Apprenticeship Programs that is posted on the State Department of Labor and Industrial Relations website. (Rev. 08/25/2010)

APPENDIX H: Notice of Intent to Propose.

NOTICE OF INTENT

\_\_\_\_\_  
DATE

Chief Procurement Officer  
Department of Water  
County of Kaua'i  
4398 Pua Loke Street  
Lihu'e, HI 96766

Dear Sir:

In accordance with the Provisions of Section 103D-310, Hawai'i Revised Statutes, you are hereby notified that it is the intent of the undersigned to offer on **JOB NO. 18-07 KUKUIOLONO 0.2 MG TANK DEMOLITION, KAUA'I, HAWAI'I**, for which Offers will be due on **Thursday, September 3, 2020** as required.

I am informed that this Notice of Intent must be received by the Manager no later than 4:30 p.m. Hawai'i Standard Time on **Monday, August 24, 2020**.

VERY TRULY YOURS,

\_\_\_\_\_  
SIGNATURE

\_\_\_\_\_  
PRINT OR TYPE NAME & TITLE OF SIGNER

Hawai'i State Specialty License  
Type and Classification:

\_\_\_\_\_  
NAME OF FIRM

\_\_\_\_\_  
CONTRACTORS LICENSE NO.

Hawai'i State Business  
License No.:

\_\_\_\_\_  
ADDRESS

\_\_\_\_\_  
CITY, STATE & ZIP CODE

\_\_\_\_\_  
TELEPHONE NO.

All prospective offerors must be currently licensed by the Hawai'i Department of Commerce and Consumer Affairs, Division of Professional and Vocational Licensing.

"A" general engineering contractors and "B" general building contractors are reminded that due to the Hawai'i Supreme Court's January 28, 2002 decision in Okada Trucking Co., Ltd. v. Board of Water Supply, et al., 97 Haw. 450(2002), they are prohibited from undertaking any work, solely or as part of a larger project, which would require the general contractor to act as a specialty contractor in any area where the general contractor has no license. Although the "A" and "B" contractor may still submit a Offer on and act as the "prime" contractor on an "A" or "B" project (See, HRS §444-7 for the definitions of an "A" or "B" project.), respectively, and the "A" and "B" contractor obtains "C" specialty contractor's licenses either on its own, or automatically under HAR §16-77-32.). The remaining work must be performed by appropriately licensed entities. It is the sole responsibility of the contractor to review the requirements of this project and determine the appropriate licenses that are required to complete the project.

**APPENDIX I: Hazardous Documents.**

“Limited Hazardous Material Survey Report” for County of Kaua‘i Department of Water Kukuiolono UST and Tank Removal, dated January 16, 2019 and Addendum to Limited Hazardous Materials Survey Report, Kukuiolono UST and Tank Removal Project, dated February 3, 2020. Project, Island of Kaua‘i (bound separately).

## APPENDIX J: Employment of State Residents on Construction Procurement Contracts.

### a. Definitions

“Contract” means contracts for construction under Chapter 103D HRS.

“Contractor” has the same meaning as in section 103D-104, HRS; provided that contractor includes a subcontractor where applicable

“Construction” has the same meaning as in section 103D-104 HRS

“Procurement Officer” has the same meaning as in section 103D-104 HRS

“Resident” means a person who is physically present in the state at the time the person claims to have established the person’s domiciled in the state and shows the person’s intent is to make Hawai‘i the person’s primary residence.

“Shortage trade” means a construction trade in which there is a shortage of Hawai‘i residents qualified to work in the trade.

### b. Requirements of Contractor

The contractor awarded this contract shall ensure that Hawai‘i Residents compose not less than eighty percent (80%) of the workforce employed to perform this Contract, calculated as follows:

The eighty percent (80%) requirement shall be determined by dividing the total number of hours worked on a contract by Residents by the total number of hours worked by all employees of the Contractor in the performance of the Contract. Hours worked for any subcontractor of the contractor shall count towards the calculation for purposes of this subsection. The hours worked by employees within shortage trades, as determined by the Department of Labor and Industrial Relations, shall not be included in the calculations for purposes of this subsection.

This requirement shall be applicable during the entire duration of this Contract. A notarized Certification for Employment of State Residents on Construction Procurement Contracts (Schedule I) shall be submitted on a monthly basis with your request for progress payments. If no request for progress payments are made for any month, the Contractor is still responsible to submit the certification on a monthly basis.

### c. Penalties

Failure to comply with this requirement shall be subject to any of the following sanctions:

- A. Temporary suspension of work on the project until the Contractor or subcontractor complies with Act 68;
- B. Withholding of payment on the Contract or subcontract as applicable, until the Contractor or subcontractor complies with Act 68;
- C. Permanent disqualification of the Contractor or subcontractor from any further work on the project;

D. Recovery by the Department of any moneys expended on the Contract or subcontract, as applicable; or

E. Proceedings for debarment or suspension of the contractor or subcontractor under section 103D-702.

d. Conflict with Federal Law

Act 68 shall not apply if the application of the Act is in conflict with any federal law, or if application of Act 68 will disqualify the Department from receiving federal funds or aid.

CERTIFICATION OF COMPLIANCE  
FOR  
EMPLOYMENT OF STATE RESIDENTS  
ACT 68, SESSION LAWS OF HAWAI'I 2010

Project Title: \_\_\_\_\_

DOW Project No.: \_\_\_\_\_

Contract No.: \_\_\_\_\_

As required by Act 68, Session Laws of Hawai'i 2010 – Employment of State Residents on Construction Procurement Contracts, I hereby certify under oath, that I am an officer of \_\_\_\_\_ (*Name of Company*) and for the month of \_\_\_\_\_, 20\_\_\_\_, \_\_\_\_\_ (*Name of Company*) is in compliance with Act 68, SLH 2010, by employing a workforce of whom not less than eighty percent are Hawai'i residents, as calculated according to the formula in the solicitation, to perform this Contract.

- I am an officer of the Contractor for this contract.
- I am an officer of the Subcontractor for this contract.

*CORPORATE SEAL*

\_\_\_\_\_  
(Name of Company)

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Print Name)

\_\_\_\_\_  
(Print Title)

NOTARY CERTIFICATION

**APPENDIX K: Certification of Compliance with HRS 396-18, Safety and Health Programs for Contractor Bidding On Board Construction Jobs**

PROJECT NAME: \_\_\_\_\_

SOLICITATION NO.: \_\_\_\_\_

This is to certify that the undersigned will comply with the requirements of HRS 396-18, as follows:

(A) Pursuant to HRS 396-18, all bids and proposals in excess of \$100,000 shall include a signed certification from the bidder that a written safety and health plan for the job will be available and implemented by the notice to proceed dates of the project. The written safety and health plan shall include:

- (1) A safety and health policy statement reflecting management commitment;
- (2) A description of the safety and health responsibilities of all levels of management and supervisors on the job, and a statement of accountability appropriate to each;
- (3) The details of:
  - (a) The mechanism for employee involvement in job hazard analysis;
  - (b) Hazard identification, including periodic inspections and hazard correction and control;
  - (c) Accident and "near-miss" investigations; and
  - (d) Evaluations of employee training programs.
- (4) A plan to encourage employees to report hazards to management as soon as possible and to require management to address these hazards promptly; and
- (5) A certification by a senior corporate or company manager that the plan is true and correct.

(B) Failure to submit the required certification may be grounds for disqualification of the bid.

(C) Failure to have available on site or failure to implement the written safety and health plan by the project's Notice to Proceed Dates shall be considered willful noncompliance and be sufficient grounds to disqualify the award and terminate the contract.

Name of Contractor: \_\_\_\_\_

Signature and Title: \_\_\_\_\_

Date: \_\_\_\_\_



**APPENDIX L: Special Provisions.**

**TABLE OF CONTENTS FOR SPECIAL PROVISIONS**

**SECTION SP-1 – GENERAL REQUIREMENTS**

<u>SECTION</u>	<u>DESCRIPTION</u>
1.1	General Provisions, Specifications and Standard Details
1.2	Preconstruction Conference
1.3	Contractor's Responses by Hardcopy or Facsimile
1.4	Failure To Complete On Time And Liquidated Damages
1.5	Measurements
1.6	Project Record Drawings
1.7	Substitutions
1.8	Storage, Work Zone, Construction Access
1.9	Preservation of Property
1.10	Extra Work
1.11	Building Laws
1.12	Delivery of Materials At Site
1.13	Defective Materials
1.14	Clean-Up
1.15	Environmental Protection
1.16	Project Sign
1.17	Submittals
1.18	Construction Coordination

**SECTION SP-2 – EXISTING CONDITIONS – ASBESTOS / LEAD / HAZARDOUS MATERIAL SURVEY**

**SECTION SP-3 – REMOVAL AND DISPOSAL OF MATERIAL CONTAINING ASBESTOS**

**SECTION SP-4 – LEAD HAZARD CONTROL**

**SECTION SP-5 – TESTING/AIR MONITORING**

**SECTION SP-6 – FIELD OFFICE**

**SECTION SP-7 – REMOVAL OF STRUCTURES AND OBSTRUCTIONS**

SECTION SP-8 – LANDSCAPING

SECTION SP-9 – ENVIRONMENTAL POLLUTION CONTROL

## SPECIAL PROVISIONS

### SECTION SP-1 – GENERAL REQUIREMENTS

- 1.1 GENERAL PROVISIONS, SPECIFICATIONS, AND STANDARD DETAILS: The special provisions, plans, general provisions, Water Standards, DPW Standard Specifications and Details, contract documents and all supplemental documents are essential parts of the contract, and a requirement occurring in one is as binding as though occurring in all. They are intended to be complementary and to describe and provide for the complete work. In case of conflict or discrepancy within any part of the contract, the stricter requirements, including Hawai'i State Statutory requirements, shall govern. Unless it is apparent that a different order of precedence is intended, the special provisions shall govern over plans, general provisions and Water Standards; plans shall govern over general provisions; general provisions shall govern over Water Standards; Water Standards shall govern over DPW Standard Specifications; figured dimensions and drawings take precedence over measurements by scale, and detail drawings; instructions to proposers shall be incorporated and made a part of the special provisions.
- 1.1.01 GENERAL PROVISIONS FOR CONSTRUCTION CONTRACTS OF THE DEPARTMENT OF WATER, COUNTY OF KAUA'I: The "GENERAL PROVISIONS FOR CONSTRUCTION CONTRACTS OF THE DEPARTMENT OF WATER, COUNTY OF KAUA'I", April 25, 2016 as amended, is by reference incorporated herein and made a part of these specifications.
- 1.1.02 WATER SYSTEM STANDARDS: The "WATER SYSTEM STANDARDS", 2002, as amended, as adopted by the Department of Water, County of Kaua'i; Board of Water Supply, City and County of Honolulu; Department of Water Supply, County of Maui; Department of Water Supply, County of Hawai'i is by reference incorporated herein and made a part of these specifications. These specifications are not bound in these contract documents, but shall by reference be incorporated herein and made a part of these specifications.

### SECTION 302 - WATER MAINS AND APPURTENANCES

The following shall supplement the applicable subsections of Division 300 - Construction of the "Water System Standards", 2002.

Make the following amendments to said section:

#### SECTION 302.02 – TRENCH EXCAVATION

Add the following paragraph to the "A. General" subsection:

Because construction will occur within residential neighborhoods, the Contractor shall secure all areas under construction with due regard for the safety of all persons and property at all times.

Amend the first paragraph of the "B. Payment" subsection to read:

Payment for trench excavation (without classification), backfill, select borrow, pipe cushion, and cost to safely secure all areas under construction will not be paid for separately but shall

be included in the Unit Price for the furnishing and installation of the various items in the Proposal.

#### SECTION 302.03 – TRENCH BACKFILL

Add the following paragraph to the “A. General” subsection:

If backfilling ground is continuously wet, pipe cushion and backfill material shall consist of coarse aggregate, ASTM C 33, Size Number 67, and shall be completely encapsulated with non-woven geotextile filter fabric unless approval for other material is granted.

Amend the first paragraph of the “G. Payment” subsection to read:

Payment for aggregate and sand pipe cushion surrounding the pipe, pipe bedding, non-woven geotextile filter fabric pipe cushion encasement, trench backfill, select borrow, warning tape, and backfill at valve boxes, meter boxes, manholes, and handholes will not be paid for separately but shall be included in the Unit Price for the furnishing and installation of the various items in the Proposal.

#### SECTION 302.04 – SHEATHING

Add the following paragraph to the “A. General” subsection:

Contractor shall provide and maintain sheathing and bracing as necessary to support excavation and trenching and shall comply with Occupational Safety & Health Administration (OSHA) requirements. The contractor shall deem a competent person for trench excavation and that person shall be on-site during all trench excavation and backfill.

Amend the entire “B. Payment” subsection to read:

Payment for installation and removal of sheathing and bracing, and for additional excavation (without classification), additional aggregate and sand cushion to surround the pipe, additional non-woven geotextile filter fabric to surround the cushion, additional bedding, and additional backfill required because of sheathing or bracing work will not be paid for separately but shall be included in the Unit Price for the furnishing and installation of the various items in the Proposal.

#### SECTION 302.05 – DEWATERING

Amend the first paragraph of the “A. General” subsection to read:

In locations where water is present in the trench, the Contractor must dewater by pumping or other means to keep the trench free of water during the installation of pipe cushion, the pipe itself, the testing, connection, relocation, lowering of the water mains, and until backfilling is completed to a point 12 inches above the top of the pipe. The Contractor shall provide proper facilities for delivering all pump water to its intended outfall location and attain all necessary permits required for discharge.

If the Contractor elects to discharge dewatering effluent into State Waters or existing drainage systems, the Contractor shall obtain NPDES General Permit Coverage authorizing discharges

associated with construction activity dewatering from the Department of Health, Clean Water Branch (DOW-CWB). The Contractor shall prepare and submit permit application (CWB-NOI Form G) to DOH-CWB and shall not begin dewatering activities until DOH-CWB has issued Notice of General Permit Coverage (NGPC) and shall conduct dewatering operations in accordance with the conditions in NGPC. Contractor shall submit a copy of NPDES dewatering Application and Permit to the Manager.

Amend the entire "B. Payment" subsection to read:

Payment for dewatering activities, including but not limited to the preparation and implementation of NPDES General Permit Coverage authorizing discharges associated with construction activity dewatering, and the installation, maintenance, monitoring, and removal of Best Management Practices (BMPs), will not be paid for separately but shall be included in the Unit Price for the furnishing and installation of the various items in the Proposal.

For all fines received by the Department for non-compliance with the Notice of General Permit Coverage (NGPC), the Contractor shall reimburse the Department within 30 days for the full amount of the outstanding cost the Department has incurred, or the Department will deduct the cost from the Contractor's progress payment.

#### SECTION 302.06 – "ADOBE" OR CLAY

Amend the entire "B. Payment" subsection to read:

Exclusive of the payments due for work defined in Section 302.07 – MUD REMOVAL AND CRUSHED ROCK TRENCH STABILIZATION, no separate payment for excavation (without classification) and removal of adobe, clay or other unsuitable material from the pipe trench or for necessary backfill material approved by the Manager to replace those materials will be made; the compensation for such work shall be deemed to be included in the Unit Price for the furnishing and installation of the various items in the Proposal.

#### SECTION 302.07 – MUD REMOVAL AND CRUSHED ROCK TRENCH STABILIZATION

Amend the first paragraph of the "B. Payment" subsection to read:

Payment for excavation (without classification) to remove and dispose of mud or undesirable materials from the pipe trench whether native or caused by contractor means and methods will not be paid for separately but shall be included in the Unit Price for the furnishing and installation of the various items in the Proposal.

#### SECTION 302.08 – BLASTING

Amend the entire "A. General" and "B. Payment" subsections to read:

No blasting shall be allowed on this project.

SECTION 302.09 – EXCAVATION FOR MANHOLES

Amend the second paragraph of the “B. Payment” subsection to read:

Payment for excavation (without classification) for manholes will not be paid for separately but shall be deemed to be included in the Unit Price for the furnishing and installation of Manholes.

SECTION 302.10 - EXCAVATION FOR THRUST BLOCKS, BEAMS, AND TEST BLOCKS

Amend the entire “B. Payment” subsection to read:

Payment for excavation (without classification) and backfill of concrete thrust blocks, thrust beams, reaction blocks, and test blocks will not be paid for separately but shall be included in the Unit Price for installation of Concrete Thrust Blocks, Thrust Beams, Reaction Blocks, and Test Blocks or Waterline installation line items.

SECTION 302.11 – SURPLUS EXCAVATION

Amend the entire “B. Payment” subsection to read:

Payment for the removal and disposal of surplus excavation material will not be paid for separately but shall be included in the Unit Price for the furnishing and installation of the various items in the Proposal.

SECTION 302.12 - DUCTILE IRON PIPE

Add the following paragraph to the “A. General” subsection:

Transition couplings shall be Romac Style “501”, Style “RC501”, or approved equal. D.I. to A.C. transition couplings shall be 14" in length.

Add the following paragraphs to the “E. Payment” subsection:

The Unit Price for furnishing and installation of the various sizes of Ductile Iron Pipe shall be inclusive of trench excavation (without classification), trench backfill, pipe cushion, warning tape, sheathing and dewatering of trench, removal and disposal of adobe, clay, mud, and other unsuitable material from the trench, and removal and disposal of surplus excavation material, and all associated cost for licensed Geotechnical Engineer monitoring, analysis, and testing.

Payment for furnishing and installation of transition couplings shall not be made directly, costs for furnishing and installation of transition couplings shall be included in the Lump Sum for the various Connections to Existing Water Mains in the Proposal.

SECTION 302.14 PLASTIC PIPE

Add the following paragraphs to the “A. General” subsection:

The contractor shall furnish and install Polyvinyl Chloride (PVC) pipe for this project if required. All types and sizes of PVC pipes shall be AWWA C900, Pressure Class 200, DR14 pipe for pipes larger than 2 1/2" or schedule 80 PVC pipe for sizes 2 1/2" and smaller.

Pipe cushion material as called for on the plans shall adhere to the requirements of "Water System Standards" Section 209.02, Pipe Cushion. When ground water is encountered or when required by the Engineer, the pipe cushion shall be wrapped in non-woven geotextile fabric in accordance with the "Water System Standards" Section 212.05, Geotextile Fabrics. The contractor shall retain the services of a licensed Geotechnical Engineer to monitor the quality of pipe cushion material, installation, and compaction of the pipe cushion, geotextile encasement, and trench backfill. The Department of Water will require periodic sieve testing of the pipe cushion material during the course of construction.

If PVC installation will be within State Highways Right-of-Way, installation, work, and materials used for this project shall comply with the requirements in Section 624 – Water System, Section 703.21 – Trench Backfill Material, Section 716 – Geotextiles, and Section 716.03 – Geotextiles for Underdrain Applications of the "Specifications for Road and Bridge Construction", State of Hawai'i, dated 2005, unless otherwise approved by the authoritative agency.

Transition couplings shall be Romac Style "501", Style "RC501", or approved equal. C-900 PVC to A.C. transition couplings shall be 14" in length.

Amend the first paragraph of the "B. Payment" subsection to read:

Payment for furnishing and installation of various sizes of PVC Pipe including all necessary joints accessories and fusion process and accompanying ground restraints, will be made at the respective Unit Price per linear foot based on the actual linear feet of PVC pipe installed (exclusive of valves, fittings, bends, and adapters), cleaned or pigged and successfully hydrotested in the field.

Add the following paragraphs to the "B. Payment" subsection:

The Unit Price for furnishing and installation of the various sizes of PVC Pipe shall be inclusive of trench excavation (without classification), trench backfill, pipe cushion, geotextile filter fabric encasement, conducting cable, warning tape, sheathing, removal and disposal of adobe, clay, mud, and other unsuitable material from the trench, removal and disposal of surplus excavation material, and all associated cost for licensed Geotechnical Engineer monitoring, analysis, and testing.

Payment for furnishing and installation of transition couplings shall not be made directly, costs for furnishing and installation of transition couplings shall be included in the Lump Sum for the various Connections to Existing Water Mains in the Proposal.

SECTION 302.15 - FITTINGS AND SPECIALS (DUCTILE IRON, CONCRETE CYLINDER, PLASTIC PVC PIPE)

Add the following paragraph to the "A. General" subsection:

The contractor shall furnish and install EBAA Iron Series 2000PV MEGALUG Mechanical Joint Restraint for plain end PVC pipe at all mechanical joint fittings and EBAA Iron Series 2100 MEGAFLANGE Restrained Flange Adapter for plain end PVC pipe at all flange joints. Both shall be installed in accordance with the manufacturer's guidelines.

Amend the first paragraph of the "B. Payment" subsection to read:

Payment for furnishing and installing Cast Iron and Ductile Iron Fittings will be made at the Lump Sum Price, complete in place. The Contractor shall be responsible for the actual number of cast iron and ductile iron fittings furnished, installed and tested in the field. If a line item for Cast Iron and Ductile Iron fittings is not specifically provided, the contractor shall include the cost in the furnishing and installation of the waterline unit price.

Amend the fourth paragraph of the "B. Payment" subsection to read:

Payment for furnishing and installation PVC Fittings, including copper toning wire will not be paid for separately but shall be included in the Unit Price for furnishing and installation of the various sized PVC Pipes in the proposal.

Amend the fifth paragraph of the "B. Payment" subsection to read:

Payment for furnishing and installation Flanged by Bell Adapters, Flanged Dismantling Joints, MEGALUG Mechanical Joint Restraint, and MEGAFLANGE Restrained Flange Adapters will not be paid for separately but shall be included in the Lump Sum Price for Cast Iron and Ductile Iron Fittings, in place complete.

#### SECTION 302.16 - GATE VALVES AND BUTTERFLY VALVES

Amend the first paragraph of the "A. General" subsection to read:

The contractor shall furnish and install all permanent and temporary gate valves and butterfly valves at locations shown on the plans or as directed by the Engineer. Unless otherwise specified, the installation shall be in accordance with the Standard Details. Specifications for furnishing and installing Temporary Gate Valves will comply with this section of the specification.

Amend the fourth paragraph of the "A. General" subsection to read:

Concrete anchor block with non-corrosive straps will not be required for this project.

Add the following paragraph to the "B. Payment" subsection:

The Unit Price for furnishing and installing Gate Valves and Butterfly Valves and furnishing and installing Temporary Gate Valves shall be inclusive of trench excavation (without classification), cast iron valve box, trench backfill, pipe cushion, warning tape, sheathing and dewatering of trench, removal and disposal of adobe, clay, mud, and other unsuitable material from the trench, and removal and disposal of surplus excavation material.



SECTION 302.17 - AIR RELIEF VALVES

Add the following paragraph to the "A. General" subsection:

Air relief valves shall be One-Inch Val-Matic Valve & Manufacturing Corp. Combination Air Valve 201C.2 with screened hood, or approved equal.

Amend the second paragraph of the "B. Payment" subsection to read:

The Unit Price for furnishing and installation of Air Relief Valve shall be full compensation for all labor, materials, tools and equipment for excavation (without classification) and backfill, sheathing and dewatering of trench, installation of copper pipes, fittings, various types of valves, ARV, cinder or crush rock cushion, brick saddle, ARV pipe stand, concrete footing, roofing felt, stainless steel straps, screened hood, paint, testing, and all other incidentals to complete this work.

SECTION 302.18 - SERVICE LATERALS, CONNECTIONS AND PIPES

Add the following paragraphs under "A. General" subsection:

New service laterals shall be terminated with an angle valve in the existing meter boxes to facilitate the reconnection to the water meter.

Where existing meters are located within private properties, the new service lateral will be terminated within the public right-of-way and include a new Type "B" or Type "X" meter box with cast iron cover.

When a new lateral is being installed for an existing Department of Water consumer, the contractor shall furnish and install lateral piping including all fittings and appurtenances between the new meter and the existing consumer piping and perform reconnection work, and include a new meter box and cover.

When an existing lateral is being abandoned, the contractor shall cut and plug the existing lateral at the main. The existing meter box and cover shall be cleaned and transported to the Department's Baseyard in Līhu'e or Puhi, unless otherwise directed by the Engineer.

Amend the entire "D. Payment" subsection to read:

Payment covered under service laterals and connections and appurtenances shall be as follows: Payment for furnishing and installing various sizes of new service laterals and service connections, regardless of the lengths of the laterals or connections, will be made at the Unit Price per each unit based on the actual number installed and tested.

The Unit Price for furnishing and installing various sizes of new service laterals, service connections, and appurtenances shall be full compensation for all labor, materials, tools, and equipment for all handling, hauling, unloading, placing, testing, and all other incidental necessary to complete the work.

No separate payment for the furnishing and installation of taps into mains, reconnections to existing consumer piping, temporary connections, cut and plug and removal of existing

laterals, transferal of meters, pipes, fittings, ball corps, ball stops, angle valves, globe valves, double hub fittings, tapping tees, service saddles, meter boxes and covers, meter splices, brass pipes, caps, PVC conduits, warning tape, polyethylene wrap, plastic lateral for isolation, nor any other appurtenances will be made. Additionally, no separate payment will be for trench excavation (without classification) and backfill, sheathing and dewatering of trench, pipe cushion, nor transporting existing meter boxes and covers to the Department's Baseyard in Līhu'e or Puhi. The compensation for this work and items shall be deemed to be included in the Unit Price for New Service Laterals.

#### SECTION 302.19 – METER BOXES

Amend the entire "B. Payment" subsection to read:

Payment for the furnishing and installation of meter boxes including frames and covers will not be paid for separately but shall be included in the Unit Price for Service Laterals or Air Relief Valve Assemblies.

Payment for the furnishing and installation of Meter Boxes shall be full compensation for all labor, materials, tools and equipment for all handling, hauling, unloading, placing, bricks, concrete, cast iron covers, painting, concrete slabs and all other incidentals necessary to complete the work.

No separate payment for excavation (without classification) and backfill of Meter Boxes will be made; the compensation for such work shall be deemed to be included in the Unit Price for Service Laterals or Air Relief Valve Assemblies.

#### SECTION 302.20 - FIRE HYDRANTS

Amend the third paragraph of the "B. Payment" subsection into the following paragraphs:

Payment for excavation (without classification), backfill, sheathing and dewatering of trench, and fire hydrant markers will not be paid for separately but shall be included in the Unit Price for the furnishing and installation of Fire Hydrants.

No separate payment for the furnishing and installation of hydrant elbow, hydrant extension, pipe cushion, flat brick support, and all other appurtenances will be made; the compensation for such work shall be deemed to be included in the Unit Price for Fire Hydrants.

#### SECTION 302.21 - FIRE HYDRANT MARKERS

Amend the first paragraph of the "B. Payment" subsection to read:

Payment for hydrant markers will not be paid for separately but shall be included in the Unit Price for the furnishing and installation of Fire Hydrants.

#### SECTION 302.22 - CONCRETE BLOCKS, JACKETS, BEAMS, CURB GUARDS FOR FIRE HYDRANTS AND METER BOXES, MANHOLE AND VALVE BOX COLLAR

Amend the entire "B. Payment" subsection to read:

Payment for concrete reaction blocks, thrust beams, thrust blocks and test blocks will be made at the Unit Price per each either by specific proposal line item or as a portion within the furnishing and installation of waterline line item. The Unit Price for concrete reaction blocks, thrust beams, thrust blocks and test blocks shall be full compensation for all labor, materials, tools and equipment for all excavation (without classification), backfill, sheathing, dewatering, concrete, forms, tie wire and chairs, bracings, straps, structural struts, surface finishing, curing, mixing, hauling, furnishing and placing reinforcing steel, and all other incidental materials and work necessary to construct the concrete reaction block, thrust block or thrust beam, in place complete.

Payment for concrete jackets will be made at the Unit Price per linear feet of concrete jacket installed for the various sizes of pipe, regardless of pipe size either by specific proposal line item or as a portion within the furnishing and installation of waterline line item. The Unit Price for concrete jackets shall be full compensation for all labor, materials, tools and equipment for all excavation (without classification), backfill, sheathing, dewatering, concrete, forms, tie wire and chairs, bracings, straps, surface finishing, curing, mixing, hauling, furnishing and placing reinforcing steel, and all other incidental materials and work necessary to construct the concrete jackets in place complete.

Payment for concrete jackets for smaller utility conduits crossing the project's waterlines shall not be made separately. Costs for furnishing and installation of concrete jackets, including miscellaneous items such as warning tapes, shall be deemed to be included in the Unit Price for furnishing and installation of the various sizes and types of pipes in the Proposal.

#### SECTION 302.24 - VALVE BOXES

Amend the first paragraph of the "A. General" subsection to read:

Valve boxes for air relief valves, butterfly valves and cleanouts shall be installed in accordance with the Standard Details. Valve boxes for temporary and permanent gate valves shall be furnished and installed in conformance with Standard Detail V11 of the WATER SYSTEM STANDARDS or as defined on the construction drawing for this project. Valve boxes shall be installed 3 feet minimum clear from gutter, curbs, utilities and any structures. For this section, Valve Box specifications for Temporary and Permanent Gate Valves are identical.

Amend the entire "B. Payment" subsection to read:

Payment for the furnishing and installing of valve boxes including cast iron frames and covers and adjusting valve boxes to the required grade will not be paid for separately but shall be included in the Unit Price for Gate Valves or Temporary Gate Valves or Tapping Valves or Cleanout assemblies.

Payment shall be full compensation for all labor, materials, tools and equipment for all excavation (without classification) and backfill, cast iron frames and covers, concrete settlement slab, reinforced concrete collar and leveling slab, standpipe (concrete, cast iron, ductile iron, or welded steel pipe), brick leveling course, crushed rock fill, pipe cushion, painting, general area clean up, and all other incidentals necessary to complete the work.

No separate payment for backfilling around valve boxes with black sand, sand or coral chips and for temporary backfill and additional excavation (without classification) to expose the

risers after chlorination will be made; the compensation for such work shall be deemed to be included in the Unit Price for Gate Valves, Temporary Gate Valves, Tapping Valves, or Cleanout assemblies.

SECTION 302.30 – CONNECTIONS, RELOCATIONS & LOWERING OF WATER MAINS AND LATERALS

Amend the first paragraph of the “A. General” subsection to read:

Whenever connections to, disconnections from, relocations to, or lowering of existing mains, service laterals, or hydrant laterals are required, the Contractor shall perform all work necessary for the installation of the new or temporary water facility or abandonment of the existing water facility, as shown on the plans, under the coordination of the Manager or his authorized representative.

Add the following paragraph under “A. General” subsection:

The contractor shall utilize temporary waterlines to provide continuous water service and fire protection to existing consumers, as needed.

For this project, Connections to Existing Water Main involve connecting to various types of pipe. The Contractor shall not saw or cut or damage existing asbestos cement pipe. Asbestos cement pipes, fittings, and appurtenances shall be removed at the nearest coupling. The Contractor shall remove and dispose of asbestos cement pipes, fittings, and appurtenances in accordance with Section 302.31.

Amend the entire “B. Payment” subsection to read:

Payment for Connection to Existing Water Main, Connection to Existing Service Lateral, or Connection to Existing Hydrant Lateral which may include the furnishing and installing of pipes, fittings, fire hydrants, gate valves, tapping sleeves and valves, service saddles, hub clamps and other appurtenant materials, will be included in the Lump Sum Price for Connection to Existing Water Main or in the Unit Price for Connection to Existing Service Lateral, Connection to Existing Hydrant Lateral, or temporary bypasses and disconnects.

The Lump Sum Price or Unit Price shall represent full compensation for furnishing all materials, labor, tools, equipment, and incidentals required for excavation (without classification), backfill, sheathing and dewatering of trench, relocating existing gate valves, connections, relocations, disconnections, removal, or lowering of the existing mains as called for on the plans and in accordance with these specifications and inclusive of all incidentals required to complete the work.

No separate payment for cutting, plugging, relocating existing main, lowering of existing mains, providing temporary water service (if necessary), providing temporary fire protection (if necessary), or abandoning of existing mains will be made; the compensation for such work shall be deemed to be included in the Lump Sum for Connections to Existing Water Main or in the Unit Price for Connection to Existing Service Lateral or Connection to Existing Hydrant Lateral.

No separate payment for installation of bypass lines including cutting, plugging and abandoning existing bypass lines will be made; the compensation for such work shall be deemed to be included in the Lump Sum for Connections to Existing Water Main or in the Unit Price for Service Lateral Connections or Connection to Existing Hydrant Lateral.

SECTION 302.31 – REMOVING OR DEMOLISHING, REINSTALLING OR RETURNING EXISTING PIPES AND APPURTENANCES

Add the following paragraphs under “A. General” subsection:

The contractor shall be responsible for removal and disposal of existing pipes and appurtenances abandoned within the State and County Right-of-Way. Removal and disposal of pipes shall follow all applicable OSHA, HIOSH, State of Hawai‘i and Federal Regulations. Abatement personnel shall oversee removal and disposal, when required. Unless otherwise directed by the Manager, pipes and appurtenances shall become the property of the Contractor and shall be expeditiously removed from the construction site.

Care shall be exercised when removing and disposing of asbestos cement pipe and appurtenances. If the contractor causes the asbestos cement pipe or appurtenance to become friable, he will not be reimbursed for extra costs incurred to handle, containerize, transport, and dispose of the waste. Disposal of asbestos cement pipe and appurtenances shall be at an approved asbestos disposal site and all disposal related costs shall be borne by the contractor. Disposal of all hazardous materials shall be completed within 24 hours of removal from the water system and shall not be stored within the project site beyond the 24 hour period.

Temporary pipes, fittings, valves, cleanouts, valve boxes with frames and covers, and appurtenances that were installed to provide temporary water service and fire protection shall be salvaged, cleaned, and transported to the Department’s Baseyard in Līhu‘e or Puhi.

Amend the first paragraph of the “B. Payment” subsection to read:

Payment for the removal, cleaning, and transporting of existing fire hydrants, standpipes, cleanouts, and air relief valves will be made at the Unit Price per each unit, based on the actual number removed and accepted by the Manager. If a specific proposal line item is not provided, the contractor shall incorporate the costs into the unit price of the furnishing and installation of the applicable waterline. The Unit Price includes full compensation for all labor, materials, tools, and equipment for removing, cleaning, plugging existing water mains, providing temporary water service, restoring disturbed area, and transporting salvaged fire hydrants, standpipes, air relief valves, and appurtenances to the Department’s Baseyard in Līhu‘e or Puhi.

Add the following paragraphs to the “B. Payment” subsection:

Payment for removal of existing gate and tapping valves will be made at the Unit Price per each unit, based on the actual number removed and accepted by the Manager. If a specific proposal line item is not provided, the contractor shall incorporate the costs into the unit price of the furnishing and installation of the applicable waterline. The Unit Price includes full compensation for all labor, materials, tools, and equipment for removing existing valve box components, removing concrete settlement slab, plugging of existing water mains, installing

concrete and dirt backfilling, restoration of disturbed area, and cleaning and transporting the salvaged cast iron frames and covers to the Department's Baseyard in Līhu'e or Puhi.

Payment for removal of temporary gate valves and valve box components will be made at the Unit Price per each unit, based on the actual number removed and accepted by the Manager. If a specific proposal line item is not provided, the contractor shall incorporate the costs into the unit price of the furnishing and installation of the applicable waterline. The Unit Price includes full compensation for all labor, materials, tools, and equipment for removing the temporary gate valves and valve box components, removing concrete settlement slab, installing concrete and dirt backfill, restoration of disturbed area, and cleaning and transporting salvaged gate valves and cast iron frames and covers to the Department's Baseyard in Līhu'e or Puhi.

Payment for the removal of temporary pipes and fittings will be made at the Lump Sum or Unit Price for Removal Temporary Water Main. The Lump Sum or Unit Price includes full compensation for all labor, materials, tools, and equipment for excavating (without classification), sheathing, dewatering, disconnecting and removing the temporary pipe and fittings, backfill and restoration of disturbed area, and cleaning and transporting salvaged pipes and fittings to the Department's Baseyard in Līhu'e or Puhi.

Payment for the removal and disposal of existing pipes, fittings, and appurtenances within the State and County Right-of-Way will be made at the Lump Sum or Unit Price for Removal of Water Main. The Lump Sum or Unit Price shall be full compensation for all labor, materials, tools and equipment for excavating (without classification), sheathing, dewatering, disconnecting, removing, processing, storing, hauling, and disposing of abandoned pipes and fittings, backfill and restoration of disturbed area, abatement personnel, disposal and inspection fees, cutting and plugging of existing water mains and laterals, and all other incidental materials and work necessary for the complete removal of abandoned pipes, fittings, and appurtenances.

Payment for the removal and disposal of existing pipes and appurtenances not specified above shall be considered incidental and shall not be paid for separately but shall be included in the Unit Price or Lump Sum for the various items in the proposal. Payment shall be full compensation for all labor, materials, tools and equipment for excavating (without classification), sheathing, dewatering, disconnecting, removing, hauling, storing, and disposing of abandoned pipes and fittings, backfilling and restoring disturbed area, disposal and inspection fees, cutting and plugging of existing water mains and laterals, and all other incidental materials and work necessary for the complete removal of abandoned pipes and appurtenances.

#### SECTION 302.35 - VALVE MARKERS

Amend the entire "B. Payment" subsection to read:

Payment for the furnishing and installation of Valve Markers will not be paid for separately, but shall be included in the Unit Price for the installation of various sized of gate or tapping valves. Payment shall be full compensation for all labor, materials, tools and equipment for all excavation (without classification), backfill, concrete, painting, and all other incidental materials and work necessary to complete the work.

SECTION 302.36 – SLOW CURING ASPHALT PAVEMENT (COLD MIX)

Amend “B. Payment”, replace the first paragraph with the following:

Payment for furnishing, placement, maintenance and removal of SLOW CURING ASPHALT (Cold Mix) shall be deemed to be included in the Unit Price for furnishing and installation of the various sizes and types of pipes in the Proposal.

SECTION 302.37 - RESTORING PAVEMENTS, DRIVEWAYS, SIDEWALKS, CURBS, GUTTERS, FENCES, WALLS, AND MISCELLANEOUS

Add the following paragraphs under “A. General” subsection:

Asphalt concrete (A.C.) pavement resurfacing work shall include cold planing a 2-inch thick layer of existing A.C. pavement and resurfacing with a minimum 2-inch thick layer of new A.C. pavement (State Mix IV or V). Cold planing and resurfacing of A.C. pavement shall be in accordance with the Hawai‘i Standard Specifications for Road and Bridge Construction, 2005. The contractor shall construct the project per the approved construction drawings details and notes and verify potential AC thicknesses that could be encountered prior to submitting a proposal.

Existing pavement striping disturbed by this project shall be restored using thermoplastic extrusion. Painting is not acceptable. Installation of thermoplastic extrusion shall be in accordance with the Hawai‘i Standard Specifications for Road and Bridge Construction, 2005.

Existing reinforced concrete sidewalks, curbs, gutters, ramps, driveways, and swales disturbed by this project shall be restored to State Highways Standards in accordance with the Hawai‘i Standard Specifications for Road and Bridge Construction, 2005 and the Highway’s Division, Design Branch, Standard Plans, 2008.

Amend the entire “C. Payment” subsection to read:

Unless otherwise specified, payment for restoring fences, mail boxes, walls, landscaping, highway signs, highway markers and reflectors, and thermoplastic pavement striping shall not be measured nor paid for directly but shall be considered incidental to the construction work.

Payment for Restoring A.C. Pavement, inclusive of base and subbase courses, will be made at the Unit Price per square yard based on the minimum quantity required to be replaced on the approved plans, measured on the basis of the area of trenches specified for excavation plus an additional of twelve inches on each side of the trench for restoration within the State Right-of-Way or six inches on each side of the trench for restoration within the County Right-of-Way. The Unit Price shall be full compensation for all labor materials, tools, and equipment, for all handling, removing, placing, maintaining and all other incidental materials and work necessary to complete the Restoring A.C. Pavement work.

Payment for Cold Planing Existing A.C. Pavement and A.C. Pavement Resurfacing will each be made at the Unit Price per square yard based on the minimum quantities required as noted on the approved plans. Each Unit Price shall be full compensation for all labor materials, tools, and equipment, for all handling, removing, placing, maintaining and all other incidental

materials and work necessary to complete the Cold Planing of Existing A.C. Pavement and A.C. Pavement Resurfacing work.

Payment for A.C. Pavement resurfacing, will be made at the Unit Price per square yard based on the minimum quantity required to be replaced on the approved plans, measured on the basis of the area of roadway required to be resurfaced within the State Right-of-Way or County Right-of-Way. The Unit Price shall be full compensation for all labor materials, tools, and equipment, for all handling, removing, placing, maintaining and all other incidental materials and work necessary to complete the A.C. Pavement resurfacing work.

Unless otherwise specified, payment for restoration of Reinforced Concrete Sidewalk, Curbs, and Ramps, Reinforced Concrete Driveway, AC Driveways and Reinforced Concrete Swale shall not be measured nor paid for directly but shall be considered incidental to the construction work. If specified as a Unit Price, the Unit Price shall be full compensation for all labor materials, tools, and equipment, for all handling, removing, placing, finishing, maintaining, installation of forms, steel or weld wire fabric reinforcement, base course, and all other incidental materials and work necessary to complete the restoration of Reinforced Concrete Sidewalk, Curbs, and Ramps, Reinforced Concrete Driveway, AC Driveway and Reinforced Concrete Swale work.

Add the Following Section:

SECTION 302.40 - BRACING OF UTILITY POLES

When excavating close to utility poles, when specified on the plans, or when directed by the Manager, the Contractor shall brace the utility pole if the utility pole is owned by Hawaiian Telcom or pay for bracing if the utility pole is owned by Kaua'i Island Utility Cooperative (KIUC). In addition to "Bracing of Utility Poles", the utility agency(s) may require the contractor to stabilize the ground adjacent to the pole(s). "Bracing of Utility Poles" and stabilizing the ground adjacent to the utility pole(s) includes all labor, materials, tools, and equipment necessary to install braces for existing utility poles, stabilize the ground adjacent to the utility poles, and for their removal when bracing and/or stabilizing are no longer necessary. Payment for bracing of utility poles or reimbursement for utility poles braced by KIUC or stabilizing the ground adjacent to the utility poles will not be made directly but shall be included in the Unit Price for the various items in the proposal.

Add the Following Section:

SECTION 302.41 – TRAFFIC CONTROL

Unless provided a specific line item in the proposal, Payment for traffic control work will not be made directly but shall be included in the Unit Price for the various items in the proposal.

SECTION 302.42 - REMOVING AND SALVAGING/DISPOSING OF MATERIALS

Payment for removal and salvage or disposal of materials (fire hydrants, standpipes, valve boxes, etc.) and for the restoration of the area shall not be made directly; costs for these items of work shall be included in the unit price offer for the various items in the proposal.

Add the Following Section:



SECTION 302.43 – EROSION CONTROL / BMP

Payment for all erosion control / BMP measures shown on the drawings will not be made directly but shall be included in the Unit Price for waterline installation.

1.1.03 DEPARTMENT OF PUBLIC WORKS, COUNTY OF KAUA'I STANDARD SPECIFICATIONS: Whenever reference is made within these Special Provisions or the contract plans to the DPW Standard Specifications, the specifications referred to is the "HAWAII STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND PUBLIC WORKS CONSTRUCTION" of the State of Hawai'i, 2005, and all subsequent amendments. These specifications are not bound in these contract documents, but shall by reference be incorporated herein and made a part of these specifications.

1.1.04 DEPARTMENT OF PUBLIC WORKS, COUNTY OF KAUA'I, STANDARD DETAILS: Whenever reference is made within these Special Provisions or the contract plans to the DPW Standard Details, the Details referred to is the "STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION", September 1984 and all subsequent amendments. The DPW Standard Details are not bound in these contract documents, but shall be incorporated herein and made a part of these specifications by reference.

1.1.05 SPECIAL DEFINITIONS: The following definitions shall apply unless the context indicates otherwise. Wherever the terms "Engineer" or "Owner" are used in any document which forms a part of this contract, they shall mean the Department of Water, County of Kaua'i and its authorized agents.

1.2 PRECONSTRUCTION CONFERENCE: The Contractor shall arrange a preconstruction conference with the Project Manager, along with other affected agencies, firms and individuals within seven (7) days after issuance of "Notice to Proceed".

The Contractor shall submit a construction schedule to the Department of Water at the conference. This construction schedule shall be closely adhered to throughout the period of the contract.

At the preconstruction conference, the Contractor shall submit to the Department, the name of its authorized superintendent of the job.

The Contractor shall notify the Department at least three (3) working days prior to the start of construction.

1.3 CONTRACTOR'S RESPONSES BY HARDCOPY OR FACSIMILE: The Contractor may respond in writing by submitting a hardcopy or by facsimile only to the following Department's requests:

- A. Notice of Intention to Propose.
- B. Request for Clarification.
- C. Pre-Proposal Due Date Modification or Withdrawal of Offers.

The hardcopy or facsimile shall be submitted as specified in the applicable subsection and shall include the following information:

To : Chief Procurement Officer  
Department of Water, County of Kaua'i

Fax Number : 1-808-245-5813

Attention : Mr. Dustin Moises, P.E.

From :

Date :

Subject : (Subject of Facsimile)

JOB NO. 18-07, KUKUIOLONO UST AND TANK REMOVAL,  
KALĀHEO, KAUA'I, HAWAII

- 1.4 FAILURE TO COMPLETE ON TIME AND LIQUIDATED DAMAGES: The Contractor shall complete the work within the number of calendar days specified in the contract. The specified number of calendar days shall commence from the date designated in the Notice to Proceed.

Completion of the work within the required time is important since delay in the prosecution of the work will inconvenience the public, obstruct traffic and interfere with business.

If the Contractor fails to complete the work on or before the final completion date specified in the contract, damages will be sustained by the Department of Water, County of Kaua'i. Since the amount of damage, exclusive of the actual cost of engineering, inspection and superintendence, including necessary traveling expenses, is difficult, if not impossible to definitely ascertain and prove, the amount of such damages are fixed in advance at the sum of One Thousand Dollars (\$1,000.00) for each and every calendar day which the Contractor has delayed in the completion of the contract; and the Contractor shall pay that amount as liquidated damages and not by way of penalty, and in case the same are not paid, the Department may deduct the amount thereof from any monies due or that may become due to the Contractor under the contract.

- 1.5 MEASUREMENTS: Figured dimensions and drawings take precedence over measurements by scale. The Contractor must verify all measurements at the site and be responsible for the accuracy of the same.

1.6 PROJECT RECORD DOCUMENTS:

1.6.01 SECTION INCLUDES: Overview of maintenance of documents, recording requirements, and submittal of Project Record Documents.

1.6.02 MAINTENANCE OF DOCUMENTS:

- A. Maintain a record copy of the following Project Record Documents on-site and record actual revisions to the work:

- (1) Contract Drawings.
  - (2) Specifications.
  - (3) Amendments.
  - (4) Change orders and other modifications to the Contract.
  - (5) Reviewed submittals.
  - (6) Permits. (Road, Building, Noise, NPDES, etc.)
  - (7) Specified installer/tradesman certificates.
  - (8) Update Revisions to BMP plans as required by NPDES permit(s).
  - (9) Other Project Record Documents as indicated in specific Specification sections.
- B. Store Project Record Documents apart from other documents. Provide separate files, racks, and secure storage for Project Record Documents.
- C. Record information concurrent with construction progress.
- D. Label and file Project Record Documents in accordance with these Specifications. Label each document "PROJECT RECORD" in neat, large, printed letters.
- E. Maintain Project Record Documents in a clean, dry and legible condition.
- F. Keep Project Record Documents available for inspection.

1.6.03 RECORDING REQUIREMENTS:

- A. Use an erasable red pencil (not ink or indelible pencil) to clearly record information or changes on the Drawings by graphic line and note as required. Use an erasable yellow pencil to clearly mark for verification all major components shown as constructed.
- B. Use different colors for overlapping changes if required for clarification.
- C. Record information concurrently with construction progress. Do not conceal any work until required information is recorded. Date all entries reflecting change.
- D. Legibly mark each item on the Drawings to record actual construction, including:
- (1) Measured horizontal and vertical locations of underground utilities and appurtenances, referenced to permanent surface improvements.
  - (2) Field changes of dimension and detail.
  - (3) Changes made by Contract amendments and modifications.
  - (4) Details not on original Drawings.
  - (5) References to related shop drawings.
- E. Specifications: Legibly mark each item to record actual construction, including the following:

- (1) Manufacturer's name and product model and number.
- (2) Product substitutions or alternates utilized, as approved by DOW.
- (3) Changes made by amendment and contract modifications.

F. **As-Built Drawings:** The contractor shall provide and keep up-to-date a complete set of as-built prints for this project which shall be corrected regularly, showing every change from the original contract drawing set, including all addenda, change orders, job decisions, etc. The as-built prints shall be used only as a record set and shall be kept on the job site available for the Department's review.

At the time of the final inspection, the contractor shall furnish the Department with one hard copy set of the as built drawings for review. After DOW provides review comments to the contract, the contractor shall provide one hard copy Mylar set with all original signatures and redline changes (**also CADD format and PDF format on CD**) showing all of the changes from the original contract set drawings including addenda, change orders, job decisions, etc. The "As-built Drawings" will be required to include the information stated in the General Provisions and prior to final acceptance as stated in the General Provisions. The "RECORD TRACINGS" block shall be utilized and signature blocks for the contractor, engineer and DOW Manager shall be provided on all sheets.

#### 1.6.04 SUBMITTALS:

- A. At the completion of construction, deliver Project Record Documents.
- B. Transmit the Project Record Documents with a cover letter listing.
  - (1) Date.
  - (2) Project title and number.
  - (3) Contractor's name, address, and telephone number.
  - (4) Number and title of each Project Record Document.
  - (5) Signature of Contractor or authorized representative.

#### 1.7 SUBSTITUTIONS

A. The materials or products specified herein by trade name shall be provided as specified. Notwithstanding any reference in the specifications to any article, device, product, material, fixture, form or type of construction by name, make or catalog number, such references shall be interpreted as establishing a standard of quality and shall not be construed as limiting competition. Brand names where used on the plans or in the specifications shall be presumed to be followed by the words "or approved equal." Such approval will be granted only under the following conditions: Substitution of a brand other than specifically name in the contract documents will be approved by the Department of Water if it meets the following conditions:

That it is equal or superior to the brand name in the specifications in construction, efficiency and utility.

That it is equal or less in cost to the Owner.

That during the construction period, the material or product specified cannot be delivered to the job in time to complete the work in proper sequence due to conditions beyond the control of the Contractor.

- B. To receive consideration, request for substitutions must be accompanied by documentary proof of the quality, difference in price and delivery, if any, in the form of certified quotations from suppliers of both specified and proposed materials or products. In case of a difference in price, the County shall receive all-benefit of the difference in cost involved by change order or credit the County with any savings so obtained.
- C. If substitution of any brand other than the one specifically named requires changes to work detailed or specified under other headings, then the Contractor assumes all responsibility for this work.
- D. Substitution request must be received by said date in Section 1.9 "Substitute Materials" (Section 1-Administration, Page 20).

1.8 STORAGE, WORK ZONE, CONSTRUCTION ACCESS: Department of Water shall not assume the responsibility to approve proposed storage areas, work zones, construction traffic pattern in and out of the project site. The Contractor shall be responsible for all additional NPDES permits, as well as, all updates to approved BMPs per NPDES permit approval requirements.

1.9 PRESERVATION OF PROPERTY: Due care shall be exercised to avoid injury to existing roadway improvements or facilities, utility facilities, adjacent property and roadside trees, shrubs and other plants that are not to be removed.

Roadside trees, shrubs and other plants that are not to be removed, and pole lines, fences, walls, signs, markers and monuments, buildings and structures, manholes and handholes, conduits, pipelines under or above ground, drain and sewer and water lines, all roadway facilities and any other improvements or facilities within or adjacent to the project shall be protected from injury or damage and if ordered by the Department of Water, the Contractor shall provide and install suitable safeguards, approved by the Department of Water, to protect such objects from injury or damage. If such objects are injured or damaged by reason of the Contractor's operations, they shall be replaced or restored at the Contractor's expense. The facilities shall be replaced or restored to a condition as good as when the Contractor entered upon the work, or as good as required by specifications accompanying the contract. The Department of Water may require the Contractor to make or cause to be made such temporary repairs borne by the Contractor and may be deducted from any moneys due or to become due to the Contractor under this contract. The fact that any underground facility is not shown upon the plans shall not relieve the Contractor of his or her responsibility. It shall be the Contractor's responsibility to ascertain the existence of any underground improvements or facilities which may be subject to damage by reason of this operation.

Full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for doing all the work involved in protecting or repairing property shall be considered as included in the prices paid for the various contract items of work and no additional compensation will be allowed.

1.10 EXTRA WORK: No work of any kind in connection with the work covered by these specifications and plans shall be considered as extra work, or entitles the Contractor to extra compensation, except

when the work has been ordered in writing by the Department of Water, and specifically referred to as EXTRA WORK and the amount of compensation stated in the change order.

- 1.11 BUILDING LAWS: The Contractor shall comply with the local laws, ordinances, rules and regulations bearing on the work and he must obtain and pay for all permits, licenses, certificates and give all notices required thereby.
- 1.12 DELIVERY OF MATERIALS AT SITE: Have all materials delivered at the site in such quantities as will ensure the uninterrupted progress of the work and the least obstruction of the premises and the adjoining property.
- 1.13 DEFECTIVE MATERIALS: When requested, furnish, without charge, samples of all materials entering into the work. All materials not conforming to the requirements of these specifications shall be considered as defective and all such materials, whether in place or not, shall be rejected.
- 1.14 CLEAN UP: On the completion of each day's work during this construction project, the Contractor shall remove from the site all debris, tools and excess material resulting from his or his subcontractor's the work and leave the work and any affected surroundings area broom clean.
- 1.15 ENVIRONMENTAL PROTECTION: The Contractor shall comply with the requirements for pollution control in performing all construction activities as set forth in the General Provisions.
- 1.16 PROJECT SIGN: The Contractor shall furnish, erect, maintain and remove one (1) project sign. The project signboard shall be 3/4 inch thick "AC" exterior grade fir plywood, 4 feet in height and 8 feet long. Sign shall be painted with one prime coat and two finish coats. The sign layout detail and sign and post details shall be submitted to the Department for approval. The project sign shall be erected at the site designated by the Department of Water within seven (7) calendar days after approval of the sign layout. The Contractor shall apply and pay for all permits and fees required for the placement of the sign. The sign layout shall include the Department of Water's logo (graphic to be provided by the Department of Water) and the following information:

**KUKUIOLONO 0.2 MG TANK DEMOLITION, KALAHEO, KAUAI, HAWAII  
JOB NO. 18-07  
DEPARTMENT OF WATER**

- 1.17 SUBMITTALS:
  - 1.17.01 SECTION INCLUDES: Overview of transmittal of submittals, submittals requirements, definition of submittal for review and definition of submittal for closeout.
  - 1.17.02 RELATED SECTIONS: Section 1.6 Project Record Documents.
  - 1.17.03 TRANSMITTAL OF SUBMITTALS:
    - A. General: Transmit submittals, number of copies as indicated in subsequent articles, to the following address:

Kaua'i Department of Water  
Attn: Dustin Moises, P.E.  
4398 Pua Loke Street

- B. Submittals for Review: Transmit one (1) copy to the Department of Water for review. The Department will retain electronic set and return one (1) reviewed set. Should the contractor require more returned, he shall provide the additional sets at his or her cost. Where more copies are called for in any section of these Special Provisions, the Contractor shall be required to submit said number of prints for approval.

Whenever possible, submittals/transmittals shall also be submitted electronically.

- C. Submittals for Closeout:

- (1) Operations and Maintenance Manuals:

- a. Preliminary Submittal: Transmit one (1) copy of manual to the Department of Water two (2) weeks prior to final inspection. These copies will be returned after final inspection, with comments.
- b. Final Submittal: Revise manuals and submit two (2) copies to the Department of Water two (2) weeks after receipt of comments to Preliminary Submittal.

- (2) Project Record Documents: Submit Project Record Documents at the time of final inspection.

1.17.04 SUBMITTAL REQUIREMENTS:

- A. Required submittals shall include:

- (1) Shop drawings.
- (2) Piping layout.
- (3) Manufacturer's Data.
- (4) Certificates of Warranty.
- (5) Any others as called for in the plans, specifications, or by the Engineer.

- B. The Contractor's stamp and verification of drawings shall consist of the following information:

CONTRACTOR NAME

PROJECT: Kukuiolono 0.2mg Tank Demolition, Kaua'i, Hawai'i

JOB NO.: 18-07

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

DATE RECEIVED: \_\_\_\_\_  
SUBMITTAL NUMBER: \_\_\_\_\_  
SPECIFICATION SECTION: \_\_\_\_\_  
SPECIFICATION PARAGRAPH: \_\_\_\_\_  
DRAWING NUMBER: \_\_\_\_\_  
SUBCONTRACTOR NAME: \_\_\_\_\_  
SUPPLIER NAME: \_\_\_\_\_  
MANUFACTURER NAME: \_\_\_\_\_  
CERTIFIED BY: \_\_\_\_\_

- C. This stamp, "filled in", should appear on the title sheet of each shop drawing, on a cover sheet of submittals in an 8½"x11" format, or on a one face of a cardstock tag (min. 3"x6") tied to each sample. The tag on samples should state what the sample is, so that, if the tag is accidentally separated from the sample, it can be matched up again.
- D. The person signing the Contractor's submittal stamp shall be the person with authority to act for the Contractor in connection with the contract during the performance of the contract. The signature shall be in original ink. Stamped signature will not be acceptable.
- E. Prepare submittals to show that the material, equipment, or work shown is in accordance with contract requirements and has been checked for dimensions and relationship with work of all other trades involved. All deviations from the plans and specifications shall be noted.
- F. Approval shall extend only to general conformance and shall not relieve the Contractor from his or her responsibility for coordinating his or her work with other trades and complying with the provisions of the contract documents for lengths, fits, quality of materials, quantities, applicable code requirements and other details. Approval does not authorize changes from the contract requirements unless stated in a separate letter or change order.



- G. Submittals shall be made in sufficient time to allow the Engineer not less than twenty regular working days for examining the drawings. The Contractor shall make submittals at the earliest possible date after the Notice to Proceed date to meet the construction schedule. The Engineer will not consider delays caused by the Contractor's failure to make submittals on time as justifiable reasons for contract time extensions.
- H. When the submittals have been reviewed by the Engineer, two sets of submittals will be returned to the Contractor appropriately stamped. If major changes or corrections are necessary, the submittal may be rejected and one set will be returned to the Contractor with such changes or corrections indicated, and the Contractor shall correct and resubmit six copies of the drawings, unless otherwise directed by the Engineer. No changes shall be made by the Contractor to the resubmitted shop drawings other than those changes indicated by the Engineer. The resubmittal shall be so indicated on the shop drawing.
- I. Prior to approval of such drawings, any work which the Contractor may do on fabrications covered by the same is at his or her own risk, as the County will not be responsible for any expense incurred by the Contractor for changes to make the same conform to the drawings as finally approved.
- J. Upon approval of the above drawings, lists, prints and other data, a copy of the same shall be kept with the job site plans, and the fabrications furnished shall be in conformance with the same. However, approval of above drawings, lists, prints, specifications and other data shall in no way release the Contractor from his or her responsibility for the proper fulfillment of the requirements of this contract nor for fulfilling the purpose of the installation nor from his or her liability to replace the same should it prove defective or fail to meet the specified requirements.
- K. Submittal Clarity:
  - (1) Drawings:
    - a. Prepare finished drawings so that prints, reproducables, and reductions to half size will be clear and legible.
    - b. Make free-hand lettering no less than 5/32 inch high and typewritten notes no less than 1/8 inch high to allow for reduction. Do not crowd lettering.
  - (2) Manufacturer's Literature:
    - a. Submit a minimum of one original of manufacturer's printed material. Remaining number of submittals may be reproductions. Ensure reproductions of original materials are clear and legible.
    - b. Clearly mark the item(s) and/or information applicable to this project with arrows, bubbles, etc. Do not use high-lighted markings.

- c. Provide the name and phone number of manufacturer's sales and service representative for each device submitted.

1.17.05 DEFINITION OF "SUBMITTALS FOR REVIEW":

- A. Catalog Data: Manufacturer's standard printed information on materials, products and systems, which shows performance characteristics, dimensions, material of fabrication, and other characteristics necessary to assure conformity with the design requirements. Where other items or information not related to the work of this project are included in the literature submitted, the item(s) and/or information applicable to this project shall be clearly marked.
- B. Shop Drawings: Drawings necessary to show fabrication details to ensure compliance with contract documents.
- C. Block Diagrams: Block Diagrams necessary to show system connections and details to ensure compliance with contract documents.
- D. Wiring Diagrams: Drawings showing the point-to-point or schematic wiring of a piece of equipment or between pieces of equipment in a system.
- E. Calculations: The methods and results of calculations in documented form where specified.
- F. Material / Parts List: A list of system components or material components.
- G. Samples / Colors: Samples, including colors, of proposed materials.
- H. Certifications: A written statement, signed by a qualified party, attesting that items or services are in accordance with specified requirements. Typically, this written statement is accompanied by additional information to substantiate the statement.
- I. Installation Instructions / Test Procedures: Manufacturer's instructions, step-by-step if necessary, showing the field installation and testing of parts, components, equipment, and other similar items.
- J. Test Reports: Results of specified test requirements.
- K. Meetings: Schedule, agenda, attendees, and location for required meetings and meeting notes.
- L. Other: Other submittal information as described in individual specification sections.

1.17.06 DEFINITION OF "SUBMITTALS FOR CLOSEOUT":

- A. Operations and Maintenance (O&M) Manuals:
  - (1) Format:
    - a. Hardcopy: Three (3) full sets

- 1) Size: 8½"x11". Fold 11"x17" drawings to 8½"x11" size. Reduce drawings larger than 11"x17" format to 11"x17" format.
  - 2) Binders: Use commercial quality expandable post binders meeting the following requirements:
    - (a) Binder Covers: 1/8" thick construction (minimum).
    - (b) Hinges: Continuous, metal piano hinge.
    - (c) Binder Expandability: 3½" – 5½".
    - (d) Sheet Size: 8½"x11".
    - (e) Binder Cover Material: Heavy vinyl.
    - (f) Binder Printing: Provide custom printed spine and front imprinted with the following information:
 

County of Kaua‘i  
Department of Water  
(Print O&M manual titles and project title)
    - (g) Manufacturer’s Reference: Specialty Loose Leaf, Inc.
  - 3) Fill: Do not fill binders more than 75% full.
  - 4) Indexed Tabs: Internally subdivide the binder contents with permanent page dividers, logically organized, with tab titling clearly printed under reinforced laminated plastic tabs.
- b. Adobe PDF Electronic Copy: Provide a facsimile of the hardcopy O&M Manual in Adobe PDF Electronic Format on compact disk(s).
- c. Electronic Data: Provide electronic files on compact disk(s) or jump drive of any material created electronically by Integrator, in file format in which document was created, that is, Microsoft Word, AutoCAD, etc., including but not limited to:
- 1) Drawing Files.
  - 2) Installation Instructions.
  - 3) Software Documentation.
  - 4) Operating and Maintenance Instructions.
- d. Odd Sized Material: Where O&M information does not lend itself to incorporation into 8½"x11" format, such as the material listed, below, provide it separate from the O&M Manuals. However, clearly label

each item, and provide reference in the O&M Manual to the material that is provided separate from the O&M Manuals.

- 1) Edge-glued books or manuals without 3-hole punched binding.
- 2) Material of a size other than 8½"x11".
- 3) Compact disks in jewel cases.

(2) Contents:

- a. Table of Contents: Prepare a Table of Contents, for each volume, with each product or system description identified, and include with each volume of manual. Type on 24-pound white paper.
- b. Directory: Provide names, addresses, and telephone number of Prime Contractor, Integrator, Installation Contractor, other subcontractors, and major equipment suppliers. Clearly identify contact for warranty support.
- c. General: Provide operations and maintenance data for equipment described in the individual sections of the Specification. Prepare and include additional data when the need for such data becomes apparent during training.
- d. Description of System and Component Parts:
  - 1) System block and interconnection diagrams.
  - 2) Control diagrams by controls vendor and as-installed control drawing by Contractor.
  - 3) As-installed wiring diagrams, that is, ladder diagrams, point to point diagrams, loop diagrams, circuit directories of panel boards, and similar items.
  - 4) Manufacturer's printed installation, operating, and maintenance instructions for the exact item of equipment supplied.
  - 5) Catalog data containing information required for service, future additions or substitutions.
  - 6) Function, normal operating characteristics, and limiting conditions.
  - 7) Performance curves, engineering data and tests.
  - 8) Complete nomenclature and commercial number of replaceable parts.

- e. System Operating Procedures:
    - 1) Description of sequence of operation by control manufacturer.
    - 2) Routine and normal operating instructions.
    - 3) Sequences required.
    - 4) Special operating instructions.
  - f. System and Equipment Maintenance Procedures:
    - 1) Routine operations.
    - 2) Guide to “trouble-shooting”
    - 3) Disassembly, repair and reassembly.
    - 4) Alignment, adjusting and checking.
  - g. Maintenance instructions for special finishes, including recommended cleaning methods and materials and special precautions identifying detrimental agents.
  - h. Spare Parts List: List of manufacturer’s spare parts provided with the job, manufacturer’s current prices for spare parts, and recommended quantities to be maintained in storage.
- B. Project Record Documents: Provide Project Record Documents as required.
- C. Spare Parts / Maintenance Materials:
- (1) Provide products, spare parts, maintenance and extra materials in quantities specified in individual specification sections prior to Final Acceptance.
  - (2) Deliver to Project site and place in location as directed by the Department of Water. Contractor shall obtain receipt.
- D. Test Reports: Results of specified test requirements. Provide Table of Contents of test results and incorporate into Operation and Maintenance Manuals described above.
- E. Warranty Certificates:
- (1) For each item required by specific sections of this specification, provide a notarized warranty certificate.
  - (2) Execute and assemble documents from subcontractors, suppliers, and manufacturer.
  - (3) For each item of copyrighted software provide under this contract, provide a software license certificate naming the Department of Water as the licensee and stating the number of licenses provided.

- (4) Provide Table of Contents of software licenses and incorporate into Operation and Maintenance Manuals described above.

1.18 CONTRACTOR'S OPERATIONS: The Contractor must employ, insofar as possible, such methods and means of carrying out his work so as not to cause any interruption or interference to the Department of Water's or the landowner's operations. Where the Contractor's operations would result in interruptions which would hamper the operations, the Contractor shall coordinate his schedule of work with the Department of Water or the landowner, accordingly.

In the event that the Contractor obtains permission from the landowner for use of any area or resources outside of the designated lot(s), County Right-of-Way, State Highway's Right-of-Way, and/or designated easement(s), the Contractor shall meet the requirements of Division 300, Section 301.15 – USE AND/OR DAMAGE TO PRIVATE PROPERTY (PROPERTY OWNED OTHER THAN BY THE CONTRACTOR) of the Water System Standards, 2002.

SECTION SP- 2 - EXISTING CONDITIONS – ASBESTOS / LEAD / HAZARDOUS MATERIAL SURVEY

A. PART 1 - GENERAL PROJECT DESCRIPTION

This Section includes hazardous material survey data for asbestos-containing materials and lead-containing paints for the Kukuilono UST and Tank Removal Project, for the County of Kaua'i Department of Water, Līhu'e, Kaua'i.

1. Related Sections:
  - a. SECTION SP 3 - REMOVAL AND DISPOSAL OF MATERIAL CONTAINING ASBESTOS for requirements of work which disturbs materials containing asbestos.
  - b. SECTION SP 4 - LEAD HAZARD CONTROL for requirements of work which disturbs lead-containing, including lead-based, paints.
  - c. SECTION SP 5 - TESTING/AIR MONITORING for requirements for monitoring and clearance for compliance.

B. ASBESTOS

1. Existing Conditions: The structure to be renovated or modified under this contract was surveyed for the presence of asbestos. Asbestos outside of the project area shall not be disturbed in any way.
2. Personnel Notifications: Notify employees, subcontractors, and all other persons engaged on the project of the presence of asbestos in the existing tank in accordance with the requirements of Chapter 110, Article 12-110-2 (f) (1) (B) of the Occupational Safety and Health Standards, State of Hawai'i.
3. In the event that work is required in any structures other than the one(s) designated within this project scope, request a copy of the hazardous material survey report(s) from the County of Kaua'i Department of Water (DOW). Based on the information contained in the survey(s), notify affected personnel per paragraph above.
4. Regulatory Compliance: Contractor shall follow applicable Federal and State rules and regulations pertaining to the handling, removal, and disposal of building materials with hazardous components. All work shall be conducted in a manner protective of the site workers, facility users, the public, and the environment.

C. LEAD CONTAINING PAINT

1. Existing Conditions: Review the lead testing data which identify locations where lead paints were found. Lead testing was for design purposes only, and the results do not satisfy any of the requirements of Chapter 12-148 LEAD EXPOSURE IN CONSTRUCTION.
2. Personnel Notification: Inform employees, subcontractors, and other persons engaged in the project that lead-containing paints (LCP), including lead-based paint (LBP), are present on the existing tank and at the job site. Follow the requirements of Hawai'i Administrative Rules Title 12 (Department of Labor and Industrial Relations, Subtitle 8 (Division of Occupational Safety and Health), Chapter 148.

3. Testing by Contractor: Contractor may conduct additional lead testing of existing painted surfaces at his/her own expense. In an absence of testing data, Contractor shall assume the paint contains lead and take appropriate engineering controls to minimize human and environmental exposures to lead.
4. Regulatory Compliance: Contractor shall follow applicable rules and regulations pertaining to the handling, removal, and disposal of lead paint and lead-containing waste.

D. PART 2 - PRODUCTS

Not applicable.

E. PART 3 - EXECUTION

F. HAZARDOUS MATERIAL SURVEY AND SUPPORTING DOCUMENTS

1. Survey Report: *Limited Hazardous Materials Survey Report, Kukuiolono UST and Tank Removal, Kalaheo, Kauai, Hawaii, Job No. 18-07*, 15 pages, dated January 16, 2019, prepared by EnviroServices & Training Center, LLC.
2. Addendum to *Limited Hazardous Materials Survey Report, Kukuiolono UST and Tank Removal, Kalaheo, Kauai, Hawaii Job No: 18-07*, 6-pages, dated February 3, 2020 prepared by EnviroServices & Training Center, LLC

G. MEASUREMENT AND PAYMENT

Work involving existing conditions – asbestos / lead / hazardous material survey shall not be measured or paid for separately but shall be considered incidental to the lump sum price bid for the hazardous materials abatement item in the Offer Schedule.

**\*\*END OF SECTION\*\***



## SECTION SP-3 - REMOVAL AND DISPOSAL OF MATERIAL CONTAINING ASBESTOS

### A. PART 1 - GENERAL PROJECT DESCRIPTION

This Section specifies Contractor requirements when disturbing materials containing asbestos. Contractor shall refer to the survey data and verify the locations and quantities of asbestos that will be disturbed as part of the planned tank demolition and related activities. Contractor shall ensure that employees and subcontractors involved in disturbing or removing hazardous materials have access to the survey report and the specifications, and understand how to control asbestos hazards.

1. Asbestos was confirmed in the project area as follows: Green/white gaskets at pipe elbows.

### B. REFERENCES

1. Publications: Publications are referred to in the text by the basic designation only. Federal requirements which govern asbestos abatement work, hauling and disposal of asbestos waste materials include, but are not limited to, the following:
  - a. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA): Requirement for worker protection include, but is not limited to:
    - 1) Occupational Exposure to Asbestos, Tremolite, Anthophyllite, and Actinolite; Final Rules - Title 29, Part 1910, Section 1001 and Title 29, Part 1926, Section 1101 of the Code of Federal Regulations
    - 2) Respiratory Protection; Title 29, Part 1910, Section 134 of the Code of Federal Regulations
    - 3) Access to Employee Exposure and Medical Records; Title 29, Part 1910, Section 2 of the Code of Federal Regulations
    - 4) Hazard Communication; Title 29, Part 1910, Section 1200 of the Code of Federal Regulations
    - 5) Specifications for Accident Prevention Signs and Tags; Title 29, Part 1910, Section 145 of the Code of Federal Regulations
  - b. U.S. DEPARTMENT OF TRANSPORTATION (DOT): Requirements which govern the transportation of asbestos waste on DOT roads and highways include, but not limited to:

Hazardous Substances; Title 29, Parts 171 & 172 of the Code of Federal Regulations.
  - c. U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA): Requirements which govern asbestos abatement work, hauling, and disposal of asbestos waste materials include, but not limited to:
    - 1) Asbestos Abatement Projects; Worker Protection Rule Title 40 Part 763, Subpart G of the Code of Federal Regulations (CFR)

- 2) National Emission Standard for Hazardous Air Pollutants (NESHAP) National Emission Standard for Asbestos 40 CFR 61, Sub-part A, and Sub-part M (Revised Sub-part B)
- d. STATE OF HAWAII: Requirements which govern asbestos abatement work or hauling and disposal of asbestos waste materials include, but not limited to, the following:
  - 1) HAR – Asbestos Requirements – Title 11, Chapter 501
  - 2) HAR – Fees for Asbestos Removal and Certification – Title 11, Chapter 503
  - 3) HAR – Asbestos Abatement Certification Program – Title 11, Chapter 504
- e. LOCAL REQUIREMENTS: Comply with applicable local requirements which govern asbestos abatement work and hauling and disposal of asbestos waste.

C. STANDARDS

- 1. Applicable Standards: Standards which apply to asbestos abatement work or hauling and disposal of asbestos waste include, but not limited to, the following:
  - a. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI): Broadway, New York, New York 10018
    - 1) Fundamentals Governing the Design and Operation of Local Exhaust Systems Publication Z9.2-2012
    - 2) Practices for Respiratory Protection Publication Z88.2-2015
  - b. ASTM INTERNATIONAL: Race Street, Philadelphia, PA 19103  
Standard Practice for Visual Inspection of Asbestos Abatement Projects E1368-2014

D. DEFINITIONS

- 1. Amended Water: Water containing a wetting agent or surfactant.
- 2. Area Monitoring: Sampling of asbestos fiber concentrations within the asbestos control area and outside the asbestos control area, which is representative of the airborne concentrations of asbestos fibers which may reach the breathing zone of personnel potentially exposed to asbestos.
- 3. Asbestos: A group of naturally occurring minerals that separate into fibers. There are six asbestos minerals used commercially: chrysotile, amosite, crocidolite, tremolite, anthophyllite, and actinolite.

4. Asbestos Control Area: An area where asbestos removal operations are performed which is isolated by physical boundaries to prevent unauthorized entry of personnel and to prevent the spread of asbestos dust, fibers, or debris.
5. Asbestos Fibers: Asbestos fibers having a length to diameter ratio of at least 3:1 and longer than 5 micrometers.
6. Asbestos Permissible Exposure Limit: The limit is 0.1 fibers (longer than 5 micrometers) per cubic centimeter of air as an 8-hour time weighted average as determined by Appendix A of 29 CFR 1926.1101.
7. Friable Asbestos Material: Material that contains asbestos which can be crumbled, pulverized, or reduced to powder by hand pressure when dry. Friable asbestos is considered hazardous during removal and disposal procedures.
8. HEPA Filter Equipment: High Efficiency Particulate Air (HEPA) filtered vacuuming equipment with a UL 586 filter system capable of collecting and retaining asbestos fibers. Filters shall be 99.97 percent efficiency for retaining fibers of 0.3 micrometers or larger.
9. Industrial Hygienist (IH): A third party industrial hygiene professional will be retained by the County of Kaua'i Department of Water to oversee compliance with this section. The onsite work can be performed by an industrial hygiene technician (IHT). The IHT shall have a valid Project Monitor certification from the Hawai'i Department of Health, and shall be under the supervision of the industrial hygienist.
10. Local Exhaust System: A system in which static pressure in an enclosed control area is lower than that of the environment outside the control area, as specified herein.
11. Nonfriable Asbestos Material: Material that contain asbestos in which the fibers have been locked in by a bonding agent, coating, binder, or other material so that the asbestos is well bound and may not release fibers in excess of the asbestos permissible exposure limit during any appropriate use, handling, storing, transporting, or processing. Nonfriable asbestos material may become friable and hazardous during removal and disposal procedures.
12. Personal Monitoring: Sampling of asbestos fiber concentrations within the breathing zone of an employee to determine the 8-hour time weighted average in accordance with Appendix A of 29 CFR 1926.1101. The samples shall be representative of the employee's work tasks. The breathing zone shall be considered an area within 12 inches of the nose or mouth of an employee.
13. Removal Encapsulant: A manufactured asbestos penetrating encapsulant designed specifically for asbestos removal.
14. Surfactant (Wetting Agent): A chemical wetting agent added to water to improve penetration. The surfactant shall be 50/50 mixture of polyoxyethylene ether and polyoxyethylene ester, or equivalent, mixed in a proportion of one fluid ounce to 5 gallons of water or as specified by the manufacturer. An equivalent surfactant shall be understood to mean material with a surface tension of 29 dynes/cm, as tested in accordance with ASTM D 1331.

15. Time Weighted Average (TWA): TWA is an 8-hour time weighted average of airborne concentration of fibers (longer than 5 micrometers) per cubic centimeter of air which represents the employee's 8-hour workday as determined by Appendix A of 29 CFR 1926.1101.

E. ASBESTOS REMOVAL

Total abatement of asbestos is anticipated. Asbestos work under this project generally includes materials that will be disturbed as part of this tank demolition project and identified in the survey report. Removal of asbestos shall be conducted prior to removal or renovation of non-asbestos materials. Asbestos material removal and disposal is governed by 40 CFR 61, Subpart M, NESHAP.

F. SUBMITTALS

1. Submittal to be Approved by the County of Kaua'i Department of Water (DOW): Submittals shall be approved prior to commencing work involving asbestos materials.
  - a. Asbestos Plan: Submit a detailed job-specific plan of the work procedures that will minimize airborne dust, which shall be employed in the removal of materials containing asbestos.
  - b. Plan shall include:
    - 1) A clear scope of work for the Abatement Contractor
    - 2) Interface of trades involved in the construction
    - 3) Sequencing of asbestos-related work and other trades
    - 4) Disposal plan for hazardous and non-hazardous waste
    - 5) Type of wetting agent or removal encapsulant to be used
    - 6) Product specifications and Safety Data Sheets (SDS)
    - 7) Written Respiratory Protection Program
    - 8) Written Hazard Communication Program (HAZCOM)
    - 9) Current, valid training records for personnel who will conduct asbestos disturbance activities.
    - 10) Respirator fit test records
    - 11) Respirators and protective equipment
    - 12) A detailed description of the methods to be employed in order to control exposures and pollution
    - 13) Emergency Procedures plan

- 14) A sketch showing the location, size, and details of asbestos control areas, including clean and dirty areas, buffer zones, shower, storage areas, change rooms, 3-stage decontamination chamber, and removal methods.
- c. Plan Approval: Prior to beginning work, Contractor shall meet with the DOW representative to discuss in detail the asbestos plan, including notifications, work procedures, and safety precautions.
- d. Landfill: Submit written evidence that the landfill is approved for asbestos disposal by the State and local regulatory agencies. Within 3 working days after delivery, submit Hazardous Waste Manifest Form, prepared, signed, and dated by an agent of the landfill, certifying the amount of asbestos materials delivered to the landfill.
- e. Respiratory Protection Program per ANSI Z88.2 and 29 CFR 1910.134. Contractor shall submit a list of workers who are respirator-qualified. Information shall also include date and type of fit testing and manufacturer and size of respirator.
- f. Permits, Licenses, and Certificates: Submit a copy of permits, licenses, certifications, inspection reports, releases, jurisdictional settlements, notices, receipts for fee payments, judgments, and similar documents, correspondence and records established in conjunction with compliance with standards and regulations bearing upon performance of the work including:
  - 1) Notices: Submit notices required by Federal, State, and local regulations with proof of timely transmittal to agency requiring the notice.
  - 2) Permits: Submit a copy of current valid permits required by State and local regulations.
  - 3) Licenses: Submit a copy of State and local licenses necessary to carry out the work of this contract.

G. COORDINATION

The Contractor shall be responsible for coordinating any asbestos abatement and removal with the DOW and the DOW's IH; and shall provide a minimum 3-week notification prior to the start of any asbestos material disturbance. Any costs due to rescheduling by the Contractor shall be borne by the Contractor.

H. NOTICES

1. Notifications: Send a written courtesy notification to the State prior to beginning any work on trace asbestos to the following:

Indoor and Radiological Health Branch  
State of Hawai'i Asbestos Program  
99-945 Halawa Valley Street  
Aiea, HI 96701  
Tel: (808) 586-5800

- a. Notification Requirements: Include the following information in the notification sent to the NESHAP contact:
- 1) Indication of whether notification is original or a revised notification.
  - 2) Name and address of facility and operator and asbestos removal or operator.
  - 3) Description of the facility being renovated, including the size, age, and present and prior use of the facility.
  - 4) Type of operation: abatement or renovation
  - 5) Estimate of the approximate amount of asbestos material to be removed from surface areas within the facility. For facilities in which the amount of asbestos material is less than 80 linear meters (260 linear feet) on pipes and less than 15 square meters (160 square feet) on other facility components, explain techniques of estimation.
  - 6) Procedure and analytical methods used to detect the presence of asbestos.
  - 7) Location of the facility being demolished or renovated (street address, room numbers, etc.)
  - 8) Scheduled start and completion dates of abatement or renovation and any preparatory work that would disturb asbestos.
  - 9) Nature of planned abatement or renovation and method(s) to be used.
  - 10) Description of work practices and engineering controls.
  - 11) Procedures to be used to comply with the requirements of USEPA National Emission Standards for Hazardous Air Pollutants (NESHAP) Asbestos Regulations (40 CFR 61 Subpart M).
  - 12) Name, telephone and address of waste transporter.
  - 13) Name and location of the waste disposal site where the friable asbestos waste material will be deposited.
  - 14) Certification that at least one person trained as required by NESHAP will supervise the operation.
  - 15) For facilities being demolished under an order of a State or local governmental agency, issued because the facility is structurally unsound and in danger of imminent collapse, the name, title, and authority of the State or local governmental agency, who has ordered the abatement, date the order was issued, and date on which abatement was to begin. Attach a copy of the order.

16) Other requirements per NESHAP.

I. PERMITS AND LICENSES

Obtain and maintain current permits and licenses as required by applicable federal, state or local jurisdictions for the removal, transporting, disposal or other regulated activity relative to the work of this contract.

J. POSTING AND FILING OF REGULATIONS

Post notices required by applicable Federal, State and local regulations. Maintain at least one (1) copy of applicable Federal, State, and local regulations and standards and approved work plan.

K. PART 2 - PRODUCTS

L. WETTING MATERIALS

- I. Asbestos Wetting: For wetting prior to disturbance of materials containing asbestos, use either amended water or a removal encapsulant:

- a. Amended Water: Provide water to which a surfactant has been added. Use a mixture of surfactant and water which results in wetting of the asbestos materials and retardation of fiber release during disturbance of the material equal to or greater than that provided by the use of one ounce of a surfactant consisting of 50% polyoxyethylene ester and 50% polyoxyethylene ether mixed with five gallons of water.
- b. Removal Encapsulant: Provide a penetrating type encapsulant designed specifically for removal of Asbestos Material. A surfactant specified in the above paragraph may be used.

M. POLYETHYLENE SHEET

Provide a single polyethylene film in the largest sheet size possible to minimize seams, 6 mils thick, clear or frosted

N. DUCT TAPE

Provide duct tape in 2" or a 3" width as appropriate, with an adhesive, which is formulated to stick aggressively to sheet polyethylene.

O. SPRAY ADHESIVE

Provide spray adhesive in aerosol cans which is specifically formulated to stick tenaciously to sheet polyethylene.

P. DISPOSAL BAGS

Provide 6 mil thick leak-tight polyethylene bags labeled as required.

Q. SIGNS

1. Asbestos Caution Signs: Post an approximately 20-inch by 14-inch manufactured caution sign at each entrance to the Work Area displaying the following legend with letter sizes and styles of a visibility required by 29 CFR 1926.1101. The asbestos waste bags shall have the same caution label.

LEGEND

DANGER  
ASBESTOS  
MAY CAUSE CANCER  
CAUSES DAMAGE TO LUNGS  
AUTHORIZED PERSONNEL ONLY  
WEAR RESPIRATORY PROTECTION AND  
PROTECTIVE CLOTHING IN THIS AREA

R. PART 3 - EXECUTION

S. EQUIPMENT

HEPA VACUUMING EQUIPMENT: Vacuuming equipment utilizing High Efficiency Particulate Air (HEPA) UL 586 filter system capable of collecting and retaining asbestos fibers.

T. AIR PURIFYING RESPIRATORS

1. Respirator Bodies: Provide half face, full face, or powered air purifying respirator (PAPR) type respirators.
2. Filter Cartridges: Provide, at a minimum, HEPA type filters labeled with NIOSH Certification for "Radionuclides, Radon Daughters, Dust, Fumes, Mists including Asbestos-Containing Dusts and Mists" and color coded in accordance with ANSI Z88.7 (2010). In addition, a chemical cartridge section may be added, if required for solvents, etc. In this case, provide combination cartridges labeled with the appropriate color code and NIOSH Certification.
3. Non-permitted respirators: Do not use single use, disposable or quarter face respirators.
4. Worker Requirements:
  - a. Require that respiratory protection be used at all times that there is any possibility of disturbance of materials containing asbestos whether intentional or accidental.
  - b. Require that a respirator be worn by anyone in a Work Area at all times, regardless of activity, during a period that starts with any operation which could cause airborne fibers until the area has been cleared for re-occupancy.
5. Regardless of Airborne Fibers: Require that the minimum level of respiratory protection used be half-face air-purifying respirators with high efficiency particulate air filters.



U. FIT TESTING

1. Initial Fitting: Provide initial fitting of respiratory protection during a respiratory protection course of training. Fit types of respirator to be actually worn by each individual. Allow an individual to use only those respirators for which training and fit testing have been provided.
2. On an Annual Basis: Check the fit of each worker’s respirator by having irritant smoke blown onto the respirator from a smoke tube. The fit test frequency shall be according to the OSHA requirement.
3. Upon Each Wearing: Require that each time an air-purifying respirator is put on it be checked for seal with a positive and negative pressure fit check in accordance with the manufacturer’s instructions or ANSI Z88.2 (2015).

V. TYPES OF RESPIRATORY PROTECTION NEEDED

1. Contractor Requirements: Provide Respiratory Protection as indicated in this Section. Higher levels of protection may be provided as desired by Contractor and Contractor’s employees. Where paragraph below does not apply, determine the proper level of protection by dividing the expected or actual airborne fiber count in the Work Area by the “protection factors” given below. The level of respiratory protection which supplies an airborne fiber level inside the respirator, at the breathing zone of the wearer, at or below 0.01 f/cc is the minimum level of protection allowed.
2. Protection Factors:

d. RESPIRATOR TYPE	PROTECTION FACTOR
Air purifying: Negative pressure respirator High efficiency filter Half or full facepiece	10
Powered Air Purifying Respirator (PAPR): Negative pressure respirator High efficiency filter Full facepiece	50
Type C supplied air: Positive pressure respirator Pressure demand Full facepiece	1,000
Type C supplied air: Positive pressure respirator, pressure demand Full facepiece equipped with an auxiliary positive pressure Self-Contained Breathing Apparatus (SCBA)	over 1,000

3. Respirator Use: Use the following as a minimum unless air monitoring results indicate greater protection is necessary. Refer to Protection Factors table for choice of respirators.

- a. Containment or barrier installation which does not disturb asbestos: Dual Cartridge, Half-face Air Purifying Respirators.
  - b. Removing or cleaning items or barrier installation when such operation may disturb asbestos: Dual Cartridge, Half-face Air Purifying Respirators.
  - c. Asbestos Removal: Dual Cartridge, Half-face Air Purifying Respirators.
  - d. Gross Cleaning of Removal Area(s): Dual Cartridge, Half-face Air Purifying Respirators.
  - e. Final Wet-Cleaning of Area Until Final Air Tests Show Exposure in Work Areas to be Below 0.01 f/cc: Dual Cartridge, Half-face Air Purifying Respirators.
  - f. Loading and Unloading Drums on Truck (outside work area): Dual Cartridge, Half-face Air Purifying Respirators.
4. Fibers: For purposes of this section fibers are defined as all fibers regardless of composition as counted in the OSHA Reference Method (ORM), NIOSH Method 7400 procedure, or asbestos fibers of any size as counted using either a scanning or transmission electron microscope.

W. PROTECTIVE CLOTHING

Furnish personnel exposed to asbestos fibers with disposable protective whole-body clothing, head covering, gloves, and foot coverings. Furnish disposable plastic or rubber gloves to protect hands. Cloth gloves may be worn inside the plastic or rubber gloves for comfort, but shall not be used alone. Use tape to secure sleeves at the wrists and to secure foot coverings at the ankles.

X. PERSONNEL DECONTAMINATION UNIT

Provide a decontamination area adjacent to the work area, as applicable. Decontamination area will consist of a polyethylene sheet placed adjacent to the work area large enough for employees to remove disposable coveralls and shower prior to exiting the work area. Waste generated during decontamination will be disposed of as asbestos-containing debris. At the conclusion of work the plastic sheet will be disposed of as asbestos-containing waste. Position a HEPA vacuum at the decontamination unit which workers will use to clean off protective clothing prior to removal.

Y. CLEANING OF DECONTAMINATION UNITS

Clean debris and residue from the Decontamination Area on a daily basis. Damp wipe or hose down all surfaces after each shift change.

Z. WORK PROCEDURE

Conduct asbestos-related work in accordance with 29 CFR 1926.1101 and as specified herein. Use wet removal procedures. Personnel shall wear and use protective clothing and equipment as specified in the approved Work Plan. Eating, smoking, or drinking shall not be permitted in the asbestos control area or change room. Personnel of other trades not engaged in the removal of asbestos shall not be exposed at any time to airborne concentrations of asbestos greater than or equal to 0.01 fibers (longer than 5 micrometers) per cubic centimeter of air, unless the personnel protection provisions of this

Section are complied with by the trade personnel.

AA. ASBESTOS CONTROL AREA REQUIREMENTS

1. Perimeter: Provide a marked perimeter around the work area during asbestos removal operations. No one will be permitted in the asbestos control area unless the person is provided with appropriate training and protective equipment. During the asbestos removal operation, should the asbestos abatement employees need to exit the controlled area, they shall vacuum and remove their disposable coveralls, place them in an approved impermeable disposal bag, and then exit the area.
2. Personal Air Sampling During Work: DOW IH shall conduct personal air monitoring samples on 25% of the work crew or a minimum of two employees whichever is greater during each work shift.
3. Area Air Sampling During Work: An independent Industrial Hygienist (IH) retained by the County of Kaua'i DOW will conduct boundary samples upwind and downwind of the asbestos control area during each work shift. If the concentration of airborne asbestos fibers at the boundaries is greater than or equal to 0.01 fibers per cubic centimeter of air, or background quantity whichever is greater, Contractor shall stop work, and correct the condition(s) causing the increase. If adjacent areas are contaminated, the contaminated areas shall be cleaned and visually inspected by the DOW IH and Contractor's Competent Person. DOW IH shall certify that the area has been cleaned of asbestos contamination.

BB. ASBESTOS HANDLING PROCEDURES

1. General Procedure: If removing asbestos from components or removing components with asbestos adhered to it, wet asbestos material with a fine spray of amended water. Remove material and immediately place in approved impermeable bags that have been wetted. Collect asbestos waste, scrap, debris, bags, containers, equipment, and asbestos-contaminated clothing and place in sealed impermeable bags constructed of 6-mil plastic sheet.
2. Container Labeling: Provide asbestos caution labels on sealed impermeable bags and asbestos waste containers. When applicable, use a lined chute, hoist, lift or other State-approved method to move double-bagged asbestos containing waste material from roof, or upper floors, to asbestos waste transport container. If chute is used, it must be affixed with a negative pressure unit to minimize airborne fiber concentrations.

CC. AIR MONITORING

1. Work Area Airborne Fiber Levels: IH retained by County of Kaua'i DOW will monitor airborne fiber levels in the Work Area, as applicable. The purpose of this air monitoring will be to detect potential airborne asbestos concentrations inside and outside of the control area.
2. Outside the Work area (Barrier) Fiber Levels: DOW IH will assess airborne fiber levels outside the work area to determine if leakage is occurring into non-work areas.
  - a. DOW IH will conduct area and worker personal air monitoring throughout the project.

- b. Contractor is responsible for his/her worker protection and legally-required documentations.

DD. STOP ACTION LEVELS

- 1. Inside Work Area: Maintain airborne levels in the work area of less than the Stop Action Level given below for the type of respiratory protection in use. If the fiber counts levels rise above this figure for any sample taken, revise work procedures to lower fiber counts. If fiber count levels for any work shift or 8-hour period exceeds the Stop Action Level, stop work except corrective action and leave air circulation system in operation. After correcting cause(s) of high fiber levels, do not recommence work for 24 hours unless otherwise authorized by the DOW IH.

ASBESTOS		
STOP ACTION LEVEL (f/cc)	RESPIRATOR REQUIRED	PROTECTION FACTOR
1	Half face APR	10
5	Full face APR	50
10	PAPR or Type C, Continuous flow	100
100	Type C, Pressure demand	1,000

- 2. Outside Work Area: If any air sample taken outside of the Work Area exceeds the baseline established prior to start of work, immediately and automatically stop work except corrective action. Contractor shall determine the source of the high reading and take appropriate corrective actions.

If the high reading was the result of a failure of Work Area isolation measures, initiate the following actions:

- a. Decontaminate the affected area(s).
  - b. Require that respiratory protection be worn in affected the area until the area is cleared for other trade or re-occupancy.
  - c. If the high reading was the result of other causes, initiate corrective action as determined by the Competent Person and the IH.
- 3. Fibers Counted: Phase Contrast Microscopy (PCM) method will be used to analyze the asbestos air samples. Transmission Electron Microscopy (TEM) analysis will be used to resolve any disputes regarding fiber types when a project has been stopped due to excessive airborne fiber counts. The DOW representative will collect the TEM sample(s), and the

Contractor may collect their own TEM sample(s); all costs of TEM sample collection and analysis shall solely be borne by the Contractor.

EE. ANALYTICAL METHODS

The following methods will be used in analyzing filters used to collect air samples. The filters used shall be in accordance with the referenced methods.

1. PCM Analysis: Samples collected for PCM analysis shall be analyzed by NIOSH 7400 method.
2. TEM Analysis: Samples collected for TEM analysis shall be analyzed by NIOSH 7402 method.

FF. SAMPLE VOLUMES

Number and volume of air samples taken by the DOW IH will be in accordance with the following schedule. Sample volumes given may vary depending upon the analytical method used and Contractor method of removal.

GG. BASELINE

DOW IH will secure the following air samples to establish a baseline before start of asbestos removal work:

LOCATION SAMPLED	NUMBER OF SAMPLES MINIMUM	MINIMUM VOLUME (LITERS)	RATE (LPM)
Each Work Area	2 for up to 5000 sq. ft.; one additional per each additional 5000 sq. ft.	1,199	1-12
Outside the Work Area	1	1,199	1-12

HH. DAILY

1. Sample Collection: From start of work and as applicable, DOW IH will take the following samples during removal of asbestos:

SAMPLE TYPE SAMPLE LOCATION	MINIMUM NUMBER OF SAMPLES	MINIMUM SAMPLE VOLUME (LITERS)	SAMPLE FLOW RATE (LPM)
Work Area – Each Work Area	2 per shift	480	1-5
Barrier – Area outside of containment unit (determined by the IH)	2 per shift, unless sample area is dusty; then increase number as necessary	480	1-12

Barrier – Clean Room of Decon Unit	1 per shift, unless sample area is dusty; then increase number as necessary	480	1-12
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2. Additional Sampling: Additional samples may be taken at the DOW IH's discretion. If airborne fiber counts exceed allowed limits, additional samples shall be taken as necessary to monitor fiber levels. Personal monitoring performed by the DOW IH shall not remove the Contractor's responsibility to monitor his/her workers' health & safety and required documentations.

II. AIR SAMPLING MEDIA

Sample Cassettes: Samples will be collected on 25 mm. cassettes with 50 mm. extension cowl as follows:

PCM: 0.8 micrometer mixed cellulose ester.

JJ. LABORATORY TESTING

1. Area Air Sampling Results: Services of a testing laboratory will be employed by the DOW IH. DOW IH will obtain samples daily. Asbestos air sample results will be obtained within 24 hours of sample submittal. Contractor and DOW will have access to air monitoring tests and results.
2. Personal Air Sampling Results: DOW IH is responsible for laboratory analysis for the personal air monitoring. Results shall be made available within 24 hours of sample submittal. Should Contractor conduct personal air monitoring of workers, Contractor is responsible for laboratory analysis of Contractor personal air monitoring. Results shall be made available within 24 hours of sample submittal.

KK. CLEANUP AND DISPOSAL

1. Cleanup: Maintain surfaces of the asbestos control area free of accumulations of asbestos fibers. Restrict the spread of dust and debris; keep waste from being distributed over the general area. Do not dry sweep or blow down the space with compressed air. When asbestos removal, disposal, and cleanup are complete, The DOW IH will certify, in writing, that the concentration of airborne asbestos in the control area and barrier samples are less than 0.01 fibers (longer than 5 micrometers) per cubic centimeter of air, and that there are no visible accumulations of dust, personal protective equipment (PPE) were adequate, work procedures, asbestos removal, boundary samples disposal procedures, containment and clearances samples were in accordance with 29 CFR 1926.1101 and contract specifications.
2. Visual Inspection: Competent Person and the DOW IH will visually inspect the affected surfaces for residual asbestos material and accumulated dust before and after the removal of the asbestos control area; Contractor shall reclean areas showing dust or residual asbestos materials. If recleaning is required, monitor the asbestos airborne concentration during and after recleaning.

3. Disposal of Asbestos: Dispose of waste asbestos material at a State and EPA approved landfill. Procedure for hauling and disposal shall comply with 40 CFR 61, Subpart M, and State and local standards. Sealed and labeled impermeable bags may be dumped from transport vehicles into the burial site unless bags have been broken or damaged. Damaged bags shall be repaired or re-bagged, or transported in suitable containers or drums. Uncontaminated drums may be recycled. Contractor's and landfill's workers loading and unloading asbestos waste bags shall wear appropriate respirators and personal protective equipment.
4. Double Tape Wrapped: Asbestos materials shall be wrapped in 6-mil minimum thickness polyethylene sheets and taped with minimum 2-inch wide duct tape. Asbestos materials shall be double-wrapped and taped before disposal at the approved landfill. Each bundle of wrapping shall not exceed 50 pounds in weight. Damaged polyethylene sheeting will not be accepted for disposal at the landfill.
5. Waste Shipment Records: Prior to delivery of asbestos waste materials, Contractor shall complete the EPA's Waste Shipment Records requirements on manifesting asbestos waste removal, transportation, and final disposal. Payment for this Section will not be made until a completed manifest from the disposal facility is returned, and a copy furnished to DOW. Copy and instructions for Waste Shipment Record are attached at the end of this Section.

LL. MEASUREMENT AND PAYMENT

Work involving removal and disposal of asbestos and renovation debris shall be deemed to be included in the Unit Price Bid for the item of which it is a part and shall represent full compensation for furnishing all materials, labor, tools, equipment and incidentals required to complete the work.

ENTRY LOG  
(Sample Visitor Log)

DATE: \_\_\_\_\_  
 PROJECT: \_\_\_\_\_  
 SUPERVISOR: \_\_\_\_\_

ALL PERSONNEL MUST SIGN-IN AND SIGN-OUT EVERY TIME THEY ENTER/EXIT THE WORK AREA. PLEASE PRINT CLEARLY. ATTACH EMPLOYEE RELEASE FORM FOR ALL VISITORS.

Name	Employer Name, address*, phone*	Time in	Time out	Purpose of visit	Type of PPE issued**

\*Not required of Contractor's employees.

\*\*Type of PPE (Personal Protective Equipment) issued to include list of protective clothing worn and type of respirator used (Type "C," half-face dual cartridge, etc.)

Note:



EMPLOYEE RELEASE FORM

(Sample)

Employee Name:

Employee Address:

Employee Telephone No.:

Name of Training center, Certificate Number and expiration Date:

Classification of work:

Have you had in the past or present, any respiratory problems?

Yes

No

Have you worked in the past with asbestos or fiberglass type materials?

Yes

No

The project you will be working on involves the use of asbestos and the removal of the asbestos from the building. Asbestos is considered a health hazard.

The company is supplying all necessary safety clothing and working conditions required and necessary for your protection from asbestos hazard.

You shall be instructed at the commencement of the job on the required use of safety equipment, clothing, working conditions, and procedures. These must be rigidly adhered to. Smoking is not permitted in the work area. Disregarding of safety instructions shall result in instant dismissal.

I acknowledge that safety instructions have been given to me by the company at my work commencement and I am thoroughly conversant with them and I have answered the above questions truthfully.

Signed (Employee)

Date

Print name

CERTIFICATE OF WORKER'S ACKNOWLEDGEMENT

PROJECT NAME: \_\_\_\_\_

DATE: \_\_\_\_\_

PROJECT ADDRESS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CONTRACTOR: \_\_\_\_\_

WORKING WITH ASBESTOS CAN BE DANGEROUS. INHALING ASBESTOS FIBERS HAS BEEN LINKED WITH VARIOUS TYPES OF CANCER. IF YOU SMOKE AND INHALE ASBESTOS FIBERS THE CHANCE THAT YOU WILL DEVELOP LUNG CANCER IS GREATER THAN THAT OF THE NON-SMOKING PUBLIC.

Your employee contract with the Owner for the above project requires that: You be supplied with the proper respirator and be trained in its use. You be trained in safe work practices and in the use of the equipment found on the job. You receive a medical examination. These things are to have been done at no cost to you.

RESPIRATORY PROTECTION: You must have been trained in the proper use of respirators, and informed of the type respirator to be used on the above referenced project. You must be given a copy of the written respiratory protection manual issued by your employer. You must be equipped at no cost with the respirator to be used on the above project.

TRAINING COURSE: You must be trained in the dangers inherent in handling asbestos and breathing asbestos dust and proper work procedures and personal and area protective measures. The topics covered in the course must have included the following:

- Physical characteristics of asbestos
- Health hazards associated with asbestos
- Respiratory protection
- Use of protective equipment
- Pressure Differential Systems
- Working practices include hands on or on-job training
- Personal decontamination procedures
- Air monitoring, personal and area

MEDICAL EXAMINATION: You must have had a medical examination within the past 12 months at no cost to you. This examination must have included: health history, pulmonary function tests and may have included an evaluation of a chest X-ray.

By signing this document, you are acknowledging only that the Owner of the building you are about to work in has advised you of your right to training and protection relative to your employer, the Contractor.

Signature \_\_\_\_\_

Social Security No. \_\_\_\_\_

Print Name \_\_\_\_\_

Witness \_\_\_\_\_

**ASBESTOS DISPOSAL FORM (Sample)**

<b>GENERATOR</b>	1. WORK SITE NAME & MAILING ADDRESS	OWNER'S NAME	OWNER'S TELEPHONE NO.
	2. OPERATOR'S NAME & ADDRESS		OPERATOR'S TELEPHONE NO.
	3. WASTE DISPOSAL SITE (WDS) NAME, MAILING ADDRESS, AND PHYSICAL SITE LOCATION		WDS TELEPHONE NO.
	4. NAME AND ADDRESS OF RESPONSIBLE AGENCY		
	5. DESCRIPTION OF MATERIALS	6. CONTAINERS NO.      TYPE	7. TOTAL QUANTITY M <sup>3</sup> (YD <sup>3</sup> )
	8. SPECIAL HANDLING INSTRUCTIONS AND ADDITIONAL INFORMATION		
9. OPERATOR CERTIFICATION: I HEREBY...			
PRINTED/TYPED NAME & TITLE	SIGNATURE	DATE (MO/DY/YR)	
<b>TRANSPORTER</b>	10. TRANSPORTER 1 (ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS)		
	PRINTED/TYPED NAME & TITLE	SIGNATURE	DATE (MO/DY/YR)
	11. TRANSPORTER 2 (ACKNOWLEDGEMENT OF RECEIPT OF MATERIALS)		
	PRINTED/TYPED NAME & TITLE	SIGNATURE	DATE (MO/DY/YR)
<b>DISPOSAL SITE</b>	12. DISCREPANCY INDICATION SPACE		
	13. WASTE DISPOSAL SITE		
	OWNER OR OPERATOR: CERTIFICATION OF RECEIPT OF ASBESTOS MATERIALS COVERED BY THIS MANIFEST EXCEPT AS NOTED IN ITEMS 1, 2, AND 3.		
	PRINTED/TYPED NAME & TITLE	SIGNATURE	DATE (MO/DY/YR)

ASBESTOS NOTIFICATION OF DEMOLITION & RENOVATION

(Ref. HAR Chapter 11-501)

SEND TO: STATE DEPARTMENT OF HEALTH  
 INDOOR AND RADIOLOGICAL HEALTH BRANCH  
 STATE OF HAWAII ASBESTOS PROGRAM  
 99-945 HALAWA VALLEY STREET  
 AIEA, HAWAII 96701  
 Phone (808) 586-5800 Fax 586-5811

<b>I. Type of notification:</b> O=Original R=Revised C=Cancelled			
<b>II. Type of operation:</b> D=Demolition R=renovation OD=Ordered Demolition ER=Emergency Renovation			
<b>III. Facility information</b>			
Owner name:			
Address:			
City:	State:	Zip code:	
Contact person:		Telephone#:	
Removal contractor:		License#:	
Address:			
City:	State:	Zip code:	
Contact person:		Telephone#:	
Other Operator			
Address:			
City:	State:	Zip code:	
Contact person:		Telephone#:	
<b>IV. Is asbestos present (Y/N):</b>			
Inspector's name:		Certification#:	State of certification:
<b>V. Facility description (Include building number, floor and room number)</b>			
Building name:			
Address:			
City:	State:	Zip code:	
Site location:			
Building size:	Floors:	Age:	
<b>VI. Procedure used to detect the presence of asbestos</b>			
Laboratory name:		Analytical method	
<b>VII. Specify the nature of the asbestos material (TSI, surfacing, VAT, miscellaneous):</b>			
Amount of asbestos, including: 1. RACM to be removed 2. CATI left in place, and 3. CATII left in place	RACM to be Removed	Nonfriable ACM <u>not</u> to be removed	
		Category I	Category II
Pipes (linear ft.)			
Surfacing (square ft.)			
Facility components (Cu. ft.)			

<b>VIII. Scheduled asbestos abatement dates</b>			
Start (mm/dd/yy):	Finish (mm/dd/yy)		
Circle workdays and time:	Weekdays:	daytime:	nighttime:
	Weekends:	daytime:	nighttime:
<b>IX. Scheduled renovation/demolition dates</b>			
Start (mm/dd/yy):	Finish (mm/dd/yy)		
Circle workdays and time:	Weekdays:	daytime:	nighttime:
	Weekends:	daytime:	nighttime:
<b>X. Description of the planned renovation/demolition work and methods to be used:</b>			
<b>XI. Description of the work practices and engineering controls to be used to prevent emissions of asbestos from the work-site:</b>			
Project designer name:	Certification#:	State:	
<b>XII. Waste transporter #1</b>			
Name :			
Address :			
City:	State:	Zip Code:	
Contact person:	Telephone#:		
<b>Waste transporter #2</b>			
Name :			
Address :			
City:	State:	Zip Code:	
Contact person:	Telephone#:		
<b>XIII. Waste disposal site:</b>			
Facility Name:	Telephone#:		
Address :			
City:	State:	Zip Code:	
<b>XIV. For demolition ordered by a government agency, please identify:</b>			
Name:	Title:		
Authority (Agency):			
Date of order (mm/dd/yy):	Date ordered to begin (mm/dd/yy):		
<b>XV. For emergency renovation:</b>			
Date and time of emergency			
Date (mm/dd/yy):	Time:	(a.m./p.m.)	
Description of sudden, unexpected events and the damage caused:			
Explanation of how the event caused an unsafe condition or would cause damage or an unreasonable financial burden:			
Person contacted for the approval at the Noise, Radiation & Indoor Air Quality Branch:			
Name:	Date (mm/dd/yy):	Time:	(a.m./p.m.)
<b>XVI. Description of procedures to be followed in the event that unexpected asbestos is found or previously nonfriable asbestos material becomes crumbled, pulverized or reduced to powder.</b>			

**XVII. I certify that an individual trained in the provisions of Hawaii administrative rules chapter 11-501, and certified as a contractor/supervisor, will be on-site during the entire renovation and/or demolition and evidence that the required training has been accomplished for this and all workers will be available at the work-site.**

\_\_\_\_\_  
Signature of owner/operator

\_\_\_\_\_  
Date (mm/dd/yy):

**XVIII. I certify that the information on this notification is correct.**

\_\_\_\_\_  
Signature of owner/operator

\_\_\_\_\_  
Date (mm/dd/yy):

**XIX. Additional Comments:**


**\*\*END OF SECTION\*\***

## SECTION SP-4 - LEAD HAZARD CONTROL

### A. PART 1 - GENERAL PROJECT DESCRIPTION

Contractor shall review the existing lead survey data and verify the locations and quantities of lead paints to be disturbed.

1. For the purpose of this Section, all paints with measurable levels of lead are considered Lead-Containing Paint, which shall be removed or disturbed in accordance with applicable rules and regulations.
2. Loose and flaky paint removal is anticipated for the tank. Any paint removal or disturbance work shall be conducted in a manner preventing exposures to the site workers, facility users, the public, and the environment.
3. Confirmation soil sampling shall be conducted by the DOW's Environmental Scientist following demolition of the tank and removal of resultant debris to quantify lead concentrations remaining in surface soil. Soil with lead concentrations exceeding the default Hawai'i Department of Health (DOH) Hazard Evaluation and Emergency Response (HEER) Office Environmental Action Level (EAL) of 200 milligrams per kilogram (mg/kg) shall be excavated and disposed by the Contractor.

### B. CONFIRMED LCP

Lead-containing paints were confirmed in the project areas as follows:

#### Tank Exterior:

Green paint on concrete and CMU walls and metal pipes, 1.72%.

Silver paint on concrete walls and metal pipes, 0.315%.

### C. ENGINEERED CONTROLS

Contractor must implement appropriate engineering controls and safety measures to prevent site workers, facility users, other trades, public, and environmental exposures to lead hazards.

### D. PERSONNEL NOTIFICATION

Contractor shall inform their employees, subcontractors, and other persons conducting work for this project, that interior and exterior surfaces of the existing tank and components associated with this project have lead-containing paints. Contractor, his/her employees, and subcontractors shall initiate and maintain applicable programs necessary to execute the work in accordance with the contract documents, Federal, State, and local rules and regulations.

### E. REGULATORY COMPLIANCE

Contractor shall be responsible for ensuring that work generating lead containing debris conforms to the following applicable Federal, State and local rules and regulations.

1. Federal Regulations:
  - a. Occupational Safety and Health Administration (OSHA)
  - b. Environmental Protection Agency (EPA)
  - c. Toxic Substance Control Act (TSCA 40 CFR Part 745 Lead) Requirements for Lead-Based Paint Activities in Target Housing and Child Occupied Facilities
  - d. National Emission Standards of Hazardous Air Pollutants (NESHAP)
  - e. EPA Resource Conservation and Recovery Act (RCRA) of 1976, amended in 1980 and 1984.
2. State Regulations:
  - a. Hawai'i Occupational Safety and Health (HIOSH) rules
  - b. Hawai'i Administrative Rule (HAR) Title 11, Chapter 41 – LEAD-BASED PAINT ACTIVITIES

F. SAFETY

Contractor shall be responsible for initiating and maintaining safety precautions and programs necessary to keep the work place safe for his/her employees and subcontractors.

G. WASTE CLASSIFICATION

Contractor shall characterize waste generated prior to transport off-site, by collecting representative sample(s) of the waste per landfill or recipient's requirements. The landfill acceptance and appointment are required prior to transporting waste to the landfill.

H. ADDITIONAL COSTS

Costs incurred due to Contractor's inability to control hazards shall be borne solely by Contractor, including but not limited to, medical, legal, public and regulatory relations, investigation, clean-up, monitoring, and reporting.

I. COORDINATION WITH OTHER SECTION

Contractor shall refer to SECTION SP5- TESTING/AIR MONITORING for requirements of work when disturbing hazardous materials.

J. SUBMITTALS

1. Lead Hazard Control Plan: Contractor shall submit a Lead Hazard Control Plan 20 calendar days prior to lead disturbance work, including but not limited to:
  - a. A clear scope of work
  - b. Description of methods to control lead hazards and dust



- c. A sketch of lead hazard control area and staging area for waste containers, equipment, and supplies
  - d. Site Supervisor and/or Competent Person's name, contact number, and certifications
  - e. Written Hazard Communication (HAZCOM) program, including worker training records
  - f. Written Respiratory Protection Program
  - g. Medical surveillance records
  - h. Written Emergency Procedures Plan
  - i. Product specifications and safety data sheets (SDS)
  - j. Hazardous waste disposal plan
2. Closing Documents: Within 10 days of waste disposal, Contractor shall submit the following:
- a. A copy of the Hazardous Waste Disposal Log and the completed waste manifest
  - b. Field records including daily field notes and photographs
  - c. Documentation of soil disposal (if applicable)

K. COORDINATION

The Contractor shall be responsible for coordinating any lead abatement and removal with the DOW and the DOW's IH; and shall provide a minimum 3-week notification prior to the start of any lead material disturbance. Any costs due to rescheduling by the Contractor shall be borne by the Contractor.

L. PART 2 - PRODUCTS

M. MATERIALS

1. Polyethylene Bags and Sheets: 6 mil minimum thickness in sizes required to accomplish the work.
2. Other Materials: Provide materials, such as, but not limited to, rags, lumber, plywood, fasteners, duct tape, and sealant which may be required to properly prepare and complete the work.

N. TOOLS AND EQUIPMENT

HEPA Vacuuming Equipment: Vacuuming equipment utilizing High Efficiency Particulate Air (HEPA) filters.

O. PART 3 - EXECUTION

P. PREPARATION PRIOR TO DISTURBANCE OF LEAD PAINTS

1. Existing Conditions: Document existing paint chips or debris prior to work (interior and exterior), as applicable.
  - a. PRE-CLEANING: If there are any paint chips or debris in the project area, Contractor shall pre-clean horizontal surfaces within the work area prior to disturbing existing LCP.
  - b. PRE-CLEANING WASTE: Contractor shall treat paint chips or debris collected during pre-cleaning and during project related activities as lead-containing waste.
2. Lead Dust Control: Minimize lead-containing dust during work performance using wet methods and equipment with HEPA collection devices. If visual inspection, air monitoring, or clearance by Competent Person, DOW IH, or DOW indicates that control measures are inadequate, Contractor shall stop work, clean up the affected area, and implement enhanced engineering controls at no additional cost to DOW.
3. Lead Control Area: Isolate and protect the portions of the area not within the scope of work using 6-mil polyethylene sheeting, or equivalent.
4. Pre-work visual inspection: Inspect the immediate project and adjacent areas for the presence of paint chips or debris and document the physical conditions with photographs and narratives. This documentation will serve as baseline conditions to which final visual clearance will be compared.
5. Exterior Control Areas: Demarcate the exterior lead control area using lead warning tape.
  - a. Lead Warning Tape: Lead warning tape shall be at least 20 feet away from the closest painted surface being disturbed. Lead warning tape may be placed closer only if existing structural conditions prevent a 20-foot space between the lead warning tape and the working surface.

- b. Polyethylene Sheeting: Place 6-mil polyethylene drop sheets around exterior surfaces.
  - 1) Secure drop sheets so that wind, rain, or other forces will not dislodge the sheets.
  - 2) Drop sheets shall extend horizontally, where applicable, at a distance sufficient to capture debris containing paint and substrates.
  - 3) Drop sheets shall be periodically cleaned and kept free of debris. Any water captured by the drop sheet shall be contained and treated as lead-contaminated.

Q. CONFORMANCE

1. WORK EXECUTION:

Work shall be executed in accordance with the following:

- a. OSHA: Contractor shall ensure that work executed in this project is in accordance with the requirements of 29 CFR 1910.1025 and 29 CFR 1926.62.
  - 1) Cost associated with the execution of work in accordance with these OSHA rules shall be the Contractor's responsibility.
  - 2) Negative exposure assessment, air monitoring and testing cost shall be borne by the Contractor.
- b. HOUSEKEEPING: Contractor shall implement good housekeeping to control the airborne lead dust when disturbing painted surfaces.
  - 1) Engineering controls shall be implemented to minimize the spread of wind-blown dust.
  - 2) Minimum 6 mil polyethylene shall be placed on the floors and walls, minimum 10-feet on each side of where disturbance is anticipated.
  - 3) At the end of each work day, Contractor shall remove visible debris and dust, HEPA vacuum, and wet-wipe below and around existing horizontal and vertical surfaces where disturbance of hazardous material was conducted.
- c. EPA RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) OF 1976, AMENDED IN 1980 AND 1984:
  - 1) The project site may fall into the category of Conditionally Exempt Small Quantity Generator (CESQG) if the facility generates less than 100 kilograms/month or 220 pounds/month of hazardous waste. Contractor shall be responsible for the completion of the Hazardous Waste Disposal Log provided in Appendix A of this Section.
  - 2) Under the requirements for a CESQG, the generator:
    - a) Must identify painted surfaces with LCP or assumed LCP, and the hazardous waste or acute hazardous waste generated at each site.

- b) Not store more than 1,000 kg or 2,200 pounds of hazardous waste, or assumed hazardous waste, at each site at any time.
  - c) Can dispose of the waste in a municipal solid waste (MSW) landfill provided that Toxicity Characteristic Leaching Procedure (TCLP) results meet the landfill acceptance criteria, 5.0 milligrams per liter (mg/L) lead and 1.0 mg/L cadmium.
  - d) Must dispose of the waste material at an EPA approved landfill off-island that accepts such waste if the TCLP results indicate that the material is hazardous waste (at or above 5.0 mg/L lead or 1.0 mg/L cadmium).
- 3) Treatment of assumed to be Lead-Containing Debris:
- a) Debris resulting from Contractor's work, such as cutting, scrapping, drilling, coring, chipping, or sanding, of known or assumed LCP surfaces, shall be segregated from the rest of the construction debris.
  - b) Hazardous waste and assumed to be hazardous waste amounts exceeding the CESQG limit shall follow RCRA regulations for Small Quantity Generator or Large Quantity Generator.
- 4) Disposal of Lead-Containing Paint Debris:
- a) LCP or assumed LCP debris generated by the Contractor must conform to the requirements of this Section.
  - b) Paint debris with TCLP lead concentration below 5.0 mg/L and TCLP cadmium below 1.0 mg/L may be disposed of at a municipal solid waste landfill that accepts such waste.
  - c) Disposal of renovation debris on private land is prohibited, unless it is permitted by the State and the EPA.
  - d) Paint debris with TCLP lead and cadmium concentrations at or above 5.0 mg/L and 1.0 mg/L, respectively, must be disposed of as hazardous waste at an EPA-approved landfill off-island that accepts such waste.
  - e) Accumulation and mixing of hazardous waste of one generator (facility) with that of another generator is prohibited.
  - f) Disposal shall be in accordance with the permit requirements of the Municipal Solid Waste Landfill.
  - g) Contractor shall be responsible for costs related to the disposal of assumed LCP debris and hazardous paint chip waste.

## R. ACTIVITIES DISTURBING LEAD-CONTAINING PAINT

1. Work Performance: Conduct LCP removal as required for this project, and minimize lead-containing dust using wet methods and HEPA equipment. If visual inspection indicates control measures are inadequate, the Competent Person must stop work, notify the DOW, conduct clean-up, and implement enhanced engineering controls immediately at no additional cost to DOW.

2. Lead Debris Cleanup: Do not execute dry removal or dry sweeping. Waste or paint debris generated during removal shall be promptly staged or packaged, and shall not accumulate uncontrolled at any time. Lead-containing waste shall be properly marked and stored in secure containers appropriate for storing lead-containing waste.
3. Lead Waste Storage: Contractor shall not allow lead-containing waste to be stored outside of the lead control area, in a high traffic unsecured area, or where the waste could interact with rain or wind and create a secondary hazard or contamination.

S. LEAD CONCENTRATIONS IN THE WORK AREA

1. Maximum Exposure Limit: Maximum permissible exposure to airborne concentrations of lead within the project area shall be 30 micrograms per cubic meter ( $\mu\text{g}/\text{m}^3$ ) air. Stop work whenever this limit exceeded, and Competent Person shall remedy the condition prior to commencing work.
2. Respirator Training: Instruct and train each worker in proper respiratory use.
  - a. Requirement: Require that each worker always wear a respirator, properly fitted on the face, in the work area from the start of any operations which may cause airborne lead dust until the work area passes the required clearance.
  - b. Applicability: Use respiratory protection appropriate for the lead dust levels encountered in the work place or as required for other toxic or oxygen-deficient situations encountered.
3. Air Purifying Respirators: Provide half-face or full-face type respirators.
  - a. Filter Cartridges: Provide, at a minimum, HEPA type filters labeled with the National Institute for Occupational Safety and Health (NIOSH) Certification for "Radionuclides, Radon Daughters, Dust, Fumes, Mists including Asbestos-Containing Dusts and Mists" and color coded in accordance with ANSI Z228.2. In addition, a chemical cartridge section may be added.
  - b. Non-Permitted Respirators: Do not use single use, disposable or quarter-face respirators.
  - c. Respirator Use: Require that respiratory protection be used whenever there is any possibility of LCP disturbance, intentional or accidental. Require that a respirator be worn by anyone in a lead control area at all times when LCP is disturbed.
  - d. Regardless of Lead-Containing Dust Levels: Require that the minimum level of respiratory protection used be half-face air-purifying respirators with HEPA filters.
4. Fit Testing:
  - a. Initial Fitting: Provide initial fitting of respirators during respiratory protection training. Fit types of respirator to be actually worn by each individual. Allow an individual to use only those respirators for which training and fit testing have been provided.

- b. On an Annual Basis: Check the fit of each worker's respirator using irritant smoke. Valid fit test certificates shall be included in the Lead Hazard Control Plan which shall be maintained onsite.
  - c. Upon Each Wearing: Require that each time an air purifying respirator is donned, it will be checked for proper fitting with a positive and negative pressure seal check in accordance with the manufacturer's instructions or ANSI Z88.2 (2015).
5. Type of Respiratory Protection Required:
- a. Protection: factors" given below.
  - b. Considerations: Consider the following unless air monitoring results indicate greater protection is necessary. Refer to the Protection Factors table for choice of respirators.
    - 1) Loose equipment cleaning prior to removal in uncontaminated area: Half-face dual cartridge-type respirator.
    - 2) Plastic installation which does not disturb LCP: Half-face dual cartridge-type respirator.
    - 3) Removing or cleaning items or plastic installation when such operation may disturb lead paints or lead dust: Half-face dual cartridge-type respirator.
6. Area Inspections: Contractor's Competent Person and DOW IH shall frequently inspect the controlled areas and adjacent areas. Contractor activities shall not adversely impact the indoors or outdoors air and horizontal surfaces and ground of the project site.

T. STOP ACTION LEVELS

- 1. Inside Work Area: Maintain airborne levels in the work area of less than the Stop Action Level given below for the type of respiratory protection in use.
- 2. Dust Levels: If the lead dust levels rise above this figure for any sample taken, enhance work procedures and engineering controls to lower ambient dust levels.
- 3. Stop Action Level Requirements: If lead dust levels for any work shift or 8-hour period exceeds the Stop Action Level, stop work except corrective action, and the Competent Person shall notify the DOW representative. After correcting the cause of lead dust levels, recommence work only after approval by the Competent Person. Competent Person shall document all decisions and follow-up actions and include them in the closeout report.

U. PROTECTIVE CLOTHING

Furnish personnel exposed to lead-containing dust with disposable protective whole-body clothing, head covering, gloves, and foot coverings. Furnish disposable plastic or rubber gloves to protect hands from lead.

PROTECTION FACTORS

RESPIRATOR TYPE	PROTECTION FACTOR
Air purifying: Negative pressure respirator HEPA filter Half facepiece	Up to 500 $\mu\text{g}/\text{m}^3$
Powered-air purifying respirator (PAPR): Negative pressure respirator HEPA filter Full facepiece	Up to 2,500 $\mu\text{g}/\text{m}^3$
PAPR Positive pressure respirator HEPA filter Half or full facepiece or Type C supplied air: Positive pressure respirator Continuous-flow half or full facepiece	Up to 5,000 $\mu\text{g}/\text{m}^3$

V. WARNING SIGNS AND LABELS

1. Signs at Control Areas: Provide warning signs at approaches to the lead control areas. Locate signs at such a distance that personnel may read the sign and take necessary precautions before entering the area/
2. Container Labeling: Provide and affix labels to impermeable bags, lead waste drums, and other containers containing lead materials, scrap, waste, or debris.
3. Sign Requirements: Signs and labels shall comply with the requirements of 29 CFR 1910.1025.

W. TOOLS

Filters on vacuums and exhaust equipment shall be absolute HEPA filters and UL 586 labeled.

X. AIR MONITORING

1. Employee Monitoring: Contractor's Competent Person and DOW IH shall monitor employees' exposure to lead in accordance with OSHA requirements. DOW IH shall collect air samples from employees' breathing zones during each shift, for the duration of the LCP-disturbing work. DOW IH shall collect samples from at least 25% of workers conducting LCP-disturbing tasks, and not less than two workers.
2. Environmental Sampling During Paint Removal Work: An independent IH hired by the County of Kaua'i DOW will conduct area air sampling daily. Sufficient area monitoring shall be conducted to verify unprotected personnel are not exposed at or above the maximum exposure limit, 30 micrograms per cubic meter air.
  - a. If action level is reached, stop work and correct conditions causing the elevated airborne lead dust levels. Resume only after approval of the DOW IH.

- b. Cost of retesting due to Contractor's inability to control lead dust shall be borne by Contractor.
- c. For outdoor operations, DOW IH shall determine the location and number of samples to be taken.

Work area and Adjacent:

LEAD

STOP ACTION LEVEL ( $\mu\text{g}/\text{m}^3$ )	RESPIRATOR REQUIRED	PROTECTION FACTOR
50	Half-face APR	10
5,000	PAPR or Type C, Continuous flow	100
50,000	Type C, Pressure demand	1,000

- 3. Additional Actions: If the high lead air concentrations were the result of Contractor's failure of work area isolation measures, initiate the following actions:
  - a. Decontaminate the affected area(s).
  - b. Require that respiratory protection be worn in affected area until the area is cleared.
- 4. Corrective Action: If the high reading was the result of other causes, initiate corrective action as determined by the DOW IH.
- 5. Effect on Contract Sum: Complete corrective work with no change in the Contract Sum if lead-containing dust levels exceeding  $30 \mu\text{g}/\text{m}^3$  were caused by Contractor's activities. Costs involving delay, re-cleaning, additional lead air monitoring and quality control, investigation, and reporting shall be borne by Contractor.

Y. ANALYTICAL METHODS

- 1. NIOSH 7082 method shall be used in analyzing air samples. Filters used shall be in accordance with the referenced method
- 2. NIOSH 9100 method shall be used in analyzing lead wipe samples.

Z. AIR SAMPLE MEDIA

Lead Sample Cassettes: Air samples will be collected on 37-millimeter (mm) cassettes with 50 mm extension cowl with 0.8 micrometer cellulose ester membrane.

AA. LABORATORY TESTING

Testing Laboratory: Services of a testing laboratory shall be employed by the DOW IH. Lead air sample results will be made available within 24 hours upon receipt of laboratory analytical results. DOW and Contractor will have access to air monitoring tests and clearance results.



BB. CLEAN UP

1. Lead-Paint Chips and Dust: Maintain surfaces of the lead control area free of accumulations of paint chips and dust. Prevent the spread of dust and debris; keep waste from being distributed over the general project area.
  - a. Dry Sweeping: Do not dry sweep the area.
  - b. Completion of Lead Removal Work: When the paint removal, or renovation is completed:
    - 1) Clean visible lead paint contamination by vacuuming with a HEPA vacuum followed by wet mopping and wiping.
    - 2) Contractor shall certify that the work was completed in accordance with OSHA 29 CFR 1910.1025, HUD 24 CFR 35, and EPA 40 CFR 745, and that there are no visible accumulations of lead-containing paint and dust in the project areas.
    - 3) Competent Person and DOW IH shall visually inspect the affected surfaces for residual lead paint chips and accumulated lead-containing dust after the work is completed.
    - 4) Contractor shall re-clean areas showing lead-containing dust or residual lead paint chips to the satisfaction of DOW IH.
2. Adjacent Areas: Contractor is responsible for the restoration and cleaning of any areas outside the work area impacted by or contaminated by lead-containing dust or debris generated by the Contractor's work, such as removal, handling, or storage of lead-containing waste. Contractor shall perform remedial cleaning and restoration of these areas, if any, at no additional cost to the DOW.

CC. CLEARANCE

1. Visual Clearance:
  - a. Pre-Work Inspection: Pre-work inspection shall be conducted jointly by the Competent Person and the IH after painted surface treatment and prior to the renovation of the project area. Clearance will be granted when the Competent Person and IH agree that the subsequent renovation will generate no visible emission of lead dust or debris.
  - b. Final Visual Inspection: Final visual inspection shall be conducted by the Competent Person and the DOW IH after renovation is completed and all debris is removed offsite. No visible paint chips or debris with paints shall remain.

DD. DISPOSAL

1. Landfill Requirements: Landfill may require characterization of the waste generated from the project, where a representative sample is analyzed for analysis. Contractor shall provide required analyses to the landfill or other receiving parties.
  - a. Non-Hazardous Waste: If analytical results indicate the test results are within the EPA guideline or within the landfill acceptance criteria, the waste generated from the project can be disposed of as general construction and demolition (C&D) debris.

- b. Hazardous Waste: If the test results exceed the landfill acceptance criteria, the waste shall be treated as hazardous waste and be disposed of in a Resource Conservation Recovery Act (RCRA) permitted landfill. Contractor shall contact DOW for EPA ID number.
2. Adjustments: If lead paint waste is determined to be a RCRA hazardous waste, through Toxicity Characteristic Leaching Procedure (TCLP) analysis, the waste shall be disposed of at a RCRA permitted landfill in the continental United States.
3. Test Submittal: Contractor shall submit a copy of the waste characterization results to the DOW prior to request for EPA ID number. Hazardous Waste Manifest and Landfill Receipt shall be submitted prior to the final billing.

EE. GENERAL

1. Waste Hauler Requirements: Waste is to be hauled by a transporter with required licenses from State and local authority with jurisdiction. Protect interior of truck or dumpster with Critical and Primary Barriers
2. Waste Loading and Labeling: Carefully load containerized or bagged waste in fully enclosed dumpsters, trucks or other appropriate vehicles for transport. Exercise care before and during transport, to ensure that no unauthorized persons have access to the material. If required by DOT, vehicles shall be marked with Department of Transportation placards.
3. Waste Storage: Do not store containerized or bagged waste outside of the work area. Take containers from the work area directly to a sealed truck or dumpster.
4. Waste Transport: Do not transport lead waste materials on open trucks. If waste material is to be transported in drums, label drums with the same warning labels as the bags.
5. Landfill Coordination: Coordinate with landfills in advance of transport and of the quantity of material to be delivered.
6. Waste Manifests: After completion of hauling and disposal of C&D waste and paint waste, submit a copy of waste manifest, chain of custody form (if applicable), and waste storage facility receipt to DOW. Final contract payment shall not be made until completed disposal documents are submitted.

FF. RECORDKEEPING

1. Hazardous Waste Log: Complete and submit a copy of the Project Hazardous Waste Log to the DOW. See Appendix B of this Section.
2. Site Activities: Maintain accurate documentation of the site activities. Be prepared at all times to present real time information upon regulators' visits. Contractor's Competent Person shall be onsite at all times.

GG. SOIL CONFIRMATION SAMPLING

1. Following demolition and removal of all structures/debris, DOW's Environmental Scientist will collect triplicate multi-increment soil samples from surface soil within the footprint of the work area in accordance with the DOH HEER Office's *Interim Final Technical Guidance Manual for the Implementation of the Hawaii State Contingency Plan*.
2. If resultant lead concentrations exceed the DOH HEER Office default EAL of 200 mg/kg, Contractor shall excavate/transport/dispose contaminated soil off-site.
3. Items 1 and 2 above shall be repeated until lead concentrations are below the default EAL of 200 mg/kg.

HH. MEASUREMENT AND PAYMENT

Compensation for disposal of hazardous waste lead paint debris shall be deemed to be included in the Unit Price Bid for the item of which it is a part and shall represent full compensation for furnishing all materials, labor, tools, equipment and incidentals required to complete the work.

Compensation for lead contaminated soil excavation/transportation/disposal shall be deemed to be included in the Unit Price Bid for the item of which it is a part and shall represent full compensation for furnishing all materials, labor, tools, equipment and incidentals required to complete the work.

Except for the disposal of hazardous waste lead-containing paint debris and lead contaminated soil excavation/transportation/disposal, work performed under this Section shall not be measured or paid for separately, but shall be considered incidental to the lump sum price bid for the hazardous materials abatement item in the Offer Schedule.

APPENDIX A

HAZARDOUS WASTE DISPOSAL LOG

NAME OF PROJECT:

Street Address:

City, State, Zip Code:

YEAR	DESCRIPTION OF HAZARDOUS WASTE	APPROXIMATE WEIGHT IN POUNDS	SPECIAL HANDLING
JANUARY			
FEBRUARY			
MARCH			
APRIL			
MAY			
JUNE			
JULY			
AUGUST			
SEPTEMBER			
OCTOBER			
NOVEMBER			
DECEMBER			

By \_\_\_\_\_ Signature

\_\_\_\_\_ Print Name

APPENDIX B  
PROJECT HAZARDOUS WASTE LOG  
(Contractor to complete one per facility site)

PROJECT: \_\_\_\_\_

COUNTY JOB NO. \_\_\_\_\_

START DATE: \_\_\_\_\_ COMPLETION DATE: \_\_\_\_\_

GENERAL CONTRACTOR: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

TELEPHONE: \_\_\_\_\_ FAX NUMBER: \_\_\_\_\_

NAME OF SUPERINTENDENT FOR THIS PROJECT: \_\_\_\_\_

NAME OF GENERATOR (FACILITY): \_\_\_\_\_

ADDRESS: \_\_\_\_\_

TELEPHONE: \_\_\_\_\_ FAX NUMBER: \_\_\_\_\_

DESCRIPTION OF HAZARDOUS WASTE: \_\_\_\_\_

APPROXIMATE WEIGHT (IN POUNDS): \_\_\_\_\_

MONTHLY DISPOSAL LOG:

MONTH: \_\_\_\_\_ WEIGHT IN POUNDS: \_\_\_\_\_

MONTH: \_\_\_\_\_ WEIGHT IN POUNDS: \_\_\_\_\_

MONTH: \_\_\_\_\_ WEIGHT IN POUNDS: \_\_\_\_\_

DISPOSAL SITE: \_\_\_\_\_

CONTRACTOR DISPOSING OF HAZARDOUS WASTE: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

TELEPHONE: \_\_\_\_\_ FAX NUMBER: \_\_\_\_\_

DISPOSAL CONTRACTOR IS A (CHECK ONE OF THE FOLLOWING):

CONDITIONALLY EXEMPT SMALL QUANTITY GENERATOR

SMALL GENERATOR

LARGE GENERATOR

APPROVAL:

STATE DESIGNATED COMPETENT PERSON: \_\_\_\_\_

COMPANY: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

TELEPHONE NUMBER: \_\_\_\_\_

\_\_\_\_\_  
SIGNATURE

\_\_\_\_\_  
DATE

\*\*END OF SECTION\*\*

## SECTION SP-5 - TESTING/AIR MONITORING

### A. PART 1 - GENERAL PROJECT DESCRIPTION

1. This Section describes Contractor's responsibility for compliance while conducting work which disturbs asbestos-containing materials (ACM) and lead-containing paint (LCP), including lead-based paint (LBP). Related sections are:
  - a. SECTION SP 3: REMOVAL AND DISPOSAL OF MATERIAL CONTAINING ASBESTOS for requirements of work which disturbs materials containing asbestos.
  - b. SECTION SP 4: LEAD HAZARD CONTROL for requirements of work which disturbs lead-containing, including lead-based, paint.
2. Engineering Controls: Implement appropriate engineering controls and safety measures to prevent site workers, facility users, other trades, the public, and the environment from exposure to hazardous materials.
3. Cost Responsibility: Costs incurred due to Contractor inability to control hazards shall be borne by Contractor, including but not limited to, investigations, medical, legal, regulatory and public relations, clean-up, monitoring, and reporting.
4. Monitoring: An independent industrial hygiene (IH) firm, retained by County of Kaua'i DOW, will conduct the monitoring during the Contractor's work which disturbs hazardous materials. DOW IH firm shall have no affiliation with Abatement Contractor.

### B. GENERAL REQUIREMENTS

1. Contractor Responsibilities. Testing and workers' breathing zone monitoring shall be conducted by the DOW IH for the purpose of:
  - a. Verifying compliance with the applicable codes, regulations and laws regarding hazardous material abatement.
  - b. Ensuring that the legally-required documentation is collected in a timely manner.
  - c. Providing engineering controls during project.

### C. TESTING/ AIR MONITORING/ INDUSTRIAL HYGIENE SUPERVISION

1. Air Monitoring: Industrial hygiene supervision and air monitoring shall be performed by an independent IH firm retained by County of Kaua'i DOW. The laboratory used for sample analysis shall be proficient in the National Institute for Occupational Safety and Health (NIOSH) Proficiency Analytical Testing (PAT) program. Documentation of certifications for both the DOW IH firm/personnel and the laboratory shall be submitted to DOW for review prior to the start of any work.

2. Air Monitor Qualifications:

- a. Industrial hygiene supervision and air monitoring will be conducted under the direction of the IH certified with the State of Hawai'i Department of Health Asbestos Section. On-site monitoring may be conducted by a competent and qualified IH Technician (IHT) under the supervision of the IH.
- b. Aforementioned industrial hygiene supervision and air monitoring shall not remove the Contractor's responsibility for his/her worker protection and required documentations.

D. COORDINATION WITH OTHER SECTIONS

Testing and monitoring requirements included in the scope of work for any testing/air monitoring consultants or inspectors shall be coordinated with: SECTION SP 3 – REMOVAL AND DISPOSAL OF MATERIAL CONTAINING ASBESTOS and SECTION SP 4 – LEAD HAZARD CONTROL.

E. PART 2 – PRODUCTS

Not applicable to this section.

F. PART 3 - EXECUTION

G. COMPETENT PERSON RESPONSIBILITIES

1. Work Plans: Contractor's Competent Person shall prepare an Asbestos Removal and Disposal Plan per Section SP 3 Paragraph F, b; a Lead Hazard Control Plan per Section SP 4 Paragraph K, 1. State certifications and training records shall be valid and reflect the anticipated workers on site.
2. Waste Disposal: Submit a proof of waste characterization and disposal documents. In the event that the waste is determined to be hazardous, inform DOW representative and obtain EPA ID number from DOW.
3. Section Reference: Refer to Sections SP 3, SP4, and part K, below, for additional responsibilities.

H. CONTRACTOR RESPONSIBILITIES

1. Work Plan Submittal: Submit complete work plans for review and concurrence by DOW. Refer to Section SP 3 and SP 4 for requirements of the work plan.
2. Records: Maintain worker monitoring and necessary records for the Contractor's employees as required by OSHA (29 CFR 1926.58), Hawai'i Administrative Rules, and other applicable laws.
3. Respiratory Protection: Obtain legally required documentation for air monitoring and submit a written respiratory protection program as part of the contract.
4. Additional Costs: Additional costs involving investigations, air monitoring, legal, medical,

regulatory and public relations, testing, and reporting due to Contractor's inability to control hazards shall be borne by Contractor and shall be deducted from the final contract payment.

5. Additional Testing by the DOW IH: Accommodate additional testing performed by the DOW IH; however, this shall not remove Contractor's responsibility of monitoring required by law and contract specifications.
6. Final Cleanup (General): For final cleanup and decontamination, remove the final polyethylene sheeting, or drop cloth, but leave the coverings for critical barriers until successful clearance is obtained.
7. Asbestos Clearance by Visual Inspection: IH retained by County of Kaua'i DOW and Contractor's Competent Person shall jointly conduct visual inspection prior to releasing the space to other trades.
8. Lead Clearance by Visual Inspection:
  - a. Final Visual Inspection: IH retained by County of Kaua'i DOW and the Contractor's Competent Person shall conduct the final visual inspection.
  - b. There shall be no visible lead paint debris or dust.

#### I. MONITORING AND INSPECTION BY COMPETENT PERSON

1. Duties of the Competent Person. The Competent Person shall conduct the following:
  - a. Photographic Record of Project: Record work with representative photos. Photos shall become the property of DOW and are to be accompanied by a detailed log.
  - b. Project Log: Competent Person shall be on site at all times and maintain daily field logs detailing key activities during ACM- and LCP-related work and submit a summary of project activities to the DOW within 10 days of abatement completion. Incorporate daily field reports with other project data into the final closeout report.
  - c. Visual Inspection of Controlled Areas: Conduct inspections of controlled areas, during the actual work performance, to document the work practices employed. Verify that scheduled abatement or mitigation work is completed, and the area was properly and promptly cleaned and ready for the final visual inspection and relevant clearance testing.
  - d. Change Order: If changes are necessary once construction begins, review request for change and make a recommendation for approval. Per Section SP 3 Paragraph KK and SP 4 Paragraph GG, removal activities and disposal of wastes will not be measured or paid separately, except for previously unforeseen hazardous waste determined by the waste characterization (Section SP 4 Paragraph DD), if applicable.
2. Site Monitoring by Competent Person. The Competent Person shall ensure:



- a. Decontamination Monitoring. Monitoring of decontamination procedures at control area entry/exit and of cleanup after each shift
- b. Control Areas. Monitoring of controlled area maintenance and waste handling
- c. Communication. Interface with DOW IH, Designer of Records, representatives of regulatory agencies, and the DOW representative
- d. Training, Controls, and Respiratory Protection. Ensure workers are trained, and proper engineering controls and respiratory protection are utilized by personnel within control areas
- e. Discrepancies. Relay to DOW representative any discrepancies in Contractor's action with provisions of project specifications. All deviations from the approved Work Plan shall be evaluated and concurred by DOW prior to implementation.

J. TESTING/AIR MONITORING

- 1. IH Authority: IH retained by County of Kaua'i DOW shall have authority to stop work or to exercise engineering controls during the project.
- 2. Additional Testing: DOW IH may conduct additional testing and air monitoring at his/her discretion.
- 3. Submittal of Documents: Monitoring activities will be documented and submitted to DOW with test results, interpretations, follow-up actions, and final resolutions.

K. SAMPLE DESIGN

Sampling During Work: The following is a typical sampling design per control area during the construction. Number of sample quantities and volume may vary.

- 1. BACKGROUND SAMPLES: Background baseline samples shall be taken prior to ACM work to establish pre-removal airborne concentration levels. Continuous flow samples will be taken for anticipated control area. Work area samples shall be analyzed by the NIOSH 7400 method for asbestos.
- 2. WORK AREA SAMPLES: Low volume samples of a maximum of 480 liters each shall be taken in the work area for airborne asbestos and lead. Ambient air samples shall be taken outside of work area to assess and ensure that engineering controls are effective and that the persons entering the work area are properly protected from airborne hazards. If monitoring results inside and outside the controlled area indicate airborne concentrations is greater than 0.01 f/cc for asbestos and 30  $\mu\text{g}/\text{m}^3$  air for lead, Contractor shall correct the condition(s) causing the increase and ensure that Contractor maintains the ambient conditions to below the action levels.
- 3. BARRIER SAMPLES: As applicable, two samples may be taken per barrier, any engineering controls using plastic sheeting or canvas, etc., to prevent the spread of the contaminated debris or dust.

4. ENVIRONMENTAL SAMPLES: The removal area shall be controlled so that airborne dust cannot escape outside the controlled area. Per the DOW IH's discretion, high volume or low volume samples per controlled area will be taken.

L. MEASUREMENT AND PAYMENT

Work involving worker monitoring and OSHA and EPA compliance shall not be measured or paid for separately but shall be considered incidental to the lump sum price bid for the hazardous material abatement item in the Offer Schedule.

**\*\*END OF SECTION\*\***

SECTION SP-6 - FIELD OFFICE

6.01 GENERAL

A field office or telephone is not required for this project as specified in section 6.3 of the General Provisions for Construction Contracts with the Department of Water.

A weekly OAC meeting will be held onsite or remotely via teleconference.

The contractor shall provide a weatherproof container to house all project contract documents including but not limited to approved submittals, change orders, request for information, construction as-builts, NPDES documents and other project related contract documents for access onsite.

Contractor shall be responsible for all associated costs for the container.

6.02 PAYMENT

Unless otherwise specified, payment for container shall not be measured nor paid for directly but shall be considered incidental to the construction work.

**\*\*END OF SECTION\*\***

## SECTION SP-7 - REMOVAL OF STRUCTURES AND OBSTRUCTIONS

### 7.01 GENERAL:

- A. Description: This item of work shall include the furnishing of all labor, materials, tools, and equipment necessary for removing and disposing of, or salvaging concrete reservoir, including foundations, old pavements, slab on grade and equipment slabs, all exposed piping and other surrounding structures and obstructions designated for removal, and as described and in accordance with Water System Standards, dated 2002, as amended hereafter, and as they apply to this project and as shown on the Contract Drawings.
- B. Before commencing work of this section, verify with the Manager all items to be removed and disposed of, and all items to be temporarily removed, salvaged, and reinstalled. Removed items having no salvage value shall become the property of the Contractor and shall be properly removed and disposed of from the project site.

### 7.02 PROTECTION OF STRUCTURES TO REMAIN:

- A. Preserve and protect structures, fences, and utilities to remain. Damage to such structures shall be repaired to their pre-construction condition, or better, at the Contractor's expense.
- B. Structures, fences, and utilities to be removed by others shall also be preserved and protected during the execution of the site improvement work. In the event of damage to such structures, coordinate remedial action with the Manager, General Contractor, and any related Subcontractors involved.

### 7.03 REMOVAL OF OBSTRUCTIONS TO BE DISPOSED OF:

- A. Remove obstructions that interfere with construction, such as the following: signs, posts, markers, fences, headers, and drainage structures, except items indicated to remain.
- B. Obstructing items removed which will not be reinstalled shall become the property of the Contractor unless otherwise specified, and shall be removed from the site.
- C. Remove abandoned utility lines, such as pipes and conduits, within the project limits, as shown on the drawings. Seal pipes to be abandoned with one of the following:
  - 1. Tight-fitting plug,
  - 2. Wall of Class A or Class B concrete not less than 6 inches thick

7.04 REMOVAL OF STRUCTURES:

- A. Remove structures specified in the Drawings, in their entirety, including foundation.
- B. Plan demolition in order to avoid sudden collapse of structure elements. Provide temporary shoring and/or supports to maintain structural stability. Hire engineer to prepare a demolition sequence plan, if required.
- C. Remove utilities and pipe jackets under structures.
- D. Conduct demolition and debris-removal operations to ensure minimum interference with access roads, streets, and walkways.
- E. The Contractor shall provide effective noise reduction measures during construction work to prevent construction related noise from impacting the residents in the immediate area, in accordance with Chapter 11-46, Community Noise, Hawai'i Administrative Rules.
- F. Use acceptable methods to prevent the spread of dust and debris during demolition work in accordance with Chapter 11-60.1, Air Pollution Control, Title 11, Hawai'i Administrative Rules.
- G. The Contractor shall not use water for debris or dust control purposes if it results in hazardous or objectionable conditions such as, but not limited to, flooding or pollution.
- H. The use of explosives is not allowed.
- I. The Contractor shall dispose of all items being removed in accordance with federal, state, and local laws.
- J. Remove and transport debris and rubbish in a manner that will prevent spillage on pavements, streets, or adjacent areas. Clean up spillage from pavements, streets, and adjacent areas.
- K. After demolition is complete, backfill excavation, including trenches, swale cavities, depressions and pits after demolition with compacted fill to eliminate ponding of rain water and allow to drain similar to surrounding area.

7.05 BACKFILL:

- A. Backfill excavation, including trenches, swale cavities, depressions, and pits left by the demolition of the existing 0.2 MG tank, level with the surrounding ground. All loose material should be removed from the excavation prior to backfilling. Backfill shall be capped by a minimum 12 inches of low permeability soil, such as the onsite clayey silt. Acceptable backfill materials shall be one of the following:

- (1) Onsite Fill Material: The excavated clayey silt is acceptable for reuse as general backfill soil. All rocks larger than 3-inches in maximum dimension shall be removed from the onsite clayey silt prior to reuse. The onsite clayey silt shall be placed in horizontal lifts restricted to a maximum of 12 inches in loose thickness and compacted using the below listed equipment, or approved equal:

Equipment	Padfoot Roller
Make	Sakai
Model	540 T
Weight	12 ton
Dimensions (LxWxH)	19 ft x 7.5 ft x 10 ft

Equipment	Remote-Controlled Compactor
Make	Bomag
Model	BMP 8500
Weight	3,516 lb

DOW inspector shall be onsite for all backfill and compaction to observe and approve of contractor work.

- (2) Imported Fill Material: Imported structural fill shall be well-graded, non-expansive granular material. The maximum particle size shall be 3-inches in maximum dimension and between 8 and 20 percent by weight shall pass the #200 sieve. The plasticity index of the material passing the #40 sieve shall not be greater than 10. The fill material shall have a minimum CBR value of 15 and a CBR expansion value less than 1.0 when tested in accordance with ASTM D1883. The imported fill material shall be placed in horizontal lifts restricted to 12 inches in loose thickness and compacted using the below listed equipment, or approved equal:

Equipment	Padfoot Roller
Make	Sakai
Model	540 T
Weight	12 ton
Dimensions (LxWxH)	19 ft x 7.5 ft x 10 ft

Equipment	Remote-Controlled Compactor
Make	Bomag
Model	BMP 8500
Weight	3,516 lb

DOW inspector shall be onsite for all backfill and compaction to observe and approve of contractor work.

7.06 PAYMENT: Payment for REMOVAL WORK shall be deemed to be included in the Lump Sum Bid for the items of which it is a part and shall represent full compensation for furnishing all materials, labor, tools, equipment and incidentals required to complete the work.

**\*\*END OF SECTION\*\***

SECTION SP-8 - LANDSCAPING

8.01 GRASSING PREPARATION:

8.1.01 RELATED DOCUMENTS: Drawings and general provisions of the contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

8.1.02 SUMMARY:

A. Work Included: Placement of imported screened soil, amending and fine grading. Work indicated on the Drawings by notes shall be provided whether or not specifically mentioned in the Specifications. Items not specifically shown in the drawings or specified, but normally required to conform to such intent, are considered part of the work.

B. The work of this Section includes but is not limited to the following:

- (1) Clearing and grubbing.
- (2) Pre-grassing weed control.
- (3) Soil preparation for ground cover areas.
- (4) Fine grading.

8.1.03 CODES AND STANDARDS: Perform work in accordance with applicable laws, codes and regulations required by authorities having jurisdiction over such work and provide for inspections and permits required by Federal, State and local authorities in furnishing, transporting and installing materials.

8.1.04 SUBMITTALS: Submit product specifications and or catalogue cuts for the following:

- A. Herbicides.
- B. Pesticides.
- C. Fertilizers.
- D. Organic soil conditioners.
- E. Lime and other amendments as required by the soil analysis report.

8.1.05 IMPORTED SCREENED SOIL: Fertile, friable soil of loamy character, free of clay, refuse, branches, weeds, noxious seeds, nematodes or other deleterious or extraneous matter with minimum pH value of 5.4 and maximum pH value of 7.0.



Stones and earth lumps shall not exceed ½-inch in largest dimension. Red Humic latosol soils, or types known as “Red Dirt” are unacceptable. Soil is subject to approval by Project Manager.

8.1.06 ORGANIC SOIL CONDITIONERS:

- A. Organic amendments shall be brown, gray, or black in color. It shall be free of live seeds, cuttings, fungus, spores and foul odor. It shall also not contain resins, tannin or other materials in quantities that would be detrimental to plant life.
- B. Soil conditioner shall be one, or a combination of the following:
  - (1) Redwood shavings shall be a nitrogen-stabilized compost of redwood material passing through a ½-inch screen.
  - (2) Peat Moss.
  - (3) Shredded hapuu shall be finely shredded hapuu fern.
  - (4) Macadamia nut husks shall be air-classified fine husk, sifted through a ¼-inch screen and free of shells.
  - (5) Composted green waste shall be a stabilized compost of recycled green waste material passing through a ½-inch screen. The material shall not contain any treated or painted woods.

8.1.07 SOIL ANALYSIS:

- A. Test imported and existing on-site soil at University of Hawai‘i soil laboratories or other approved soil laboratory and submit results to the Project Manager.
- B. The Contractor shall amend the soil as recommended in the soil analysis report at his expense to attain a pH level between 6.5 and 7.0 and provide other amendments as recommended in the soil analysis report.
- C. Include in the bid proposal the cost of labor, material and equipment required to amend soil, including roto-tilling.

8.1.08 FERTILIZERS AND SOIL AMENDMENTS:

- A. N-P-K as recommended by soil analysis, uniform in composition, free flowing and suitable for application with approved equipment, delivered to the site in unopened containers, each fully labeled, conforming to the applicable fertilizer laws, and bearing the name or mark of the manufacturer.

- B. Fertilizer: “Lesco sulfur-coated 14-14-14 + minors” or approved equal.
- C. Fertilizer Tablets: “Aggriform 20-10-5 planting tablets”, 21 grams, or approved equal.
- D. Manure: Cattle or chicken manure free of extraneous matter and screened to remove lumps larger than ½-inch in diameter.

8.1.09 PRE-EMERGENT HERBICIDE: “Ronstar-G” or approved equal.

8.1.10 POST-EMERGENT HERBICIDE: “Round-up” or approved equal.

8.1.11 INSPECTIONS: Inspect the substrates and conditions under which work of this section will be performed. Do not proceed until unsatisfactory conditions have been corrected. Immediately notify Project Manager of any discrepancy between the Drawings and actual site conditions. Do not proceed with work within affected area until the Project Manager has resolved discrepancies.

8.1.12 PREPARATION OF GRASSING AREAS:

- A. The Contractor shall accept the condition of the site prior to starting work.
- B. Clear planting areas of debris and foreign material. Remove rocks exceeding ½-inch in largest dimension and weeds and vegetation unless designated to remain. Spray nutgrass with post-emergent herbicide. Follow manufacturer’s instructions for herbicide application.
- C. Uniformly distribute soil amendments as specified in soil analysis report over rough grade in grassing areas (spread fertilizer at rate of 20 lbs. per 1,000 square feet unless otherwise indicated in soil analysis report) and then scarify soil to a depth of 4 inches by tilling until the soil is loose and fine textured. Contact Project Manager for inspection of amendments and tilling operations prior to starting work.
- D. After completion of tillage, spread 4-inch deep layer of screened soil mix, consisting of three parts soil and one part soil conditioner, over rough grade in grassing areas unless otherwise indicated. Greater depths of screened soil mix may be required to meet specified finish grades adjacent to sidewalks, pavement and curbs. Finish grades shall be as specified on Grading Plan.
- E. Maintain previously established drainage swales.
- F. Remove stones exceeding ½-inch in largest dimension, sticks, rubbish, and other extraneous matter that is exposed by tilling. Remove this debris from the site.

- G. Fine Grade: Grades shall be smooth and on a uniform plane with no abrupt changes or pockets, and shall slope away from the building at a minimum slope of ¼-inch per foot. Verify the surface drainage of grassing areas. Notify Project Manager of discrepancies, obstructions, or other conditions considered detrimental to proper execution of the work.
- H. Tie landscape work to existing conditions and controls such as existing buildings, walls, pavement, utility lines, storm drains, etc. Finish grades shall properly relate to such controls. Adjust new work as necessary and as directed to meet existing conditions and fulfill the intent of the Drawings.
- I. Finish grades adjacent to sidewalks, pavement and curbs shall be a ½-inch below top of sidewalk, pavement or curb and shall slope away at a maximum slope of one inch vertically to 6 inches horizontally to intersect the adjoining grade, unless otherwise indicated on Grading Plan.
- J. All construction operations of soil transportation, spreading and fine grading shall conform to Chapter 23, Grading Soil Erosion Standards and Guidelines dated 1975, Revised Supplement I dated 1992 and amendment (Ordinance No. 96-34). Contractor shall not perform any construction work so as to cause falling rocks, soil, or debris in any form to fall, slide or flow onto adjoining properties, streets, natural watercourses, or drainage facilities. The Contractor shall also be responsible for conformity with the applicable provisions of Chapter 54, Water Quality Standards, and Chapter 55, Water Pollution Control, of Title 11, Administrative Rules of the State Department of Health. Should a violation occur, the cost incurred for any remedial action shall be at the expense of the contractor.
- K. Dust Control: Contractor shall abide by all Federal, State, and City ordinances regarding dust control practices during construction.

8.1.13 CLEAN-UP:

- A. Remove from the premises, as work progresses, rubbish and debris resulting from this work.
- B. Upon completion, leave entire area in a neat and orderly condition.
- C. Promptly remove any soil falling upon pavement as a result of these operations.

8.1.14 PAYMENT: No separate payment for GRASSING PREPARATION will be made; compensation for such work shall be deemed to be included in the Unit Price Bid or Lump Sum Bid for the item of which it is a part and shall represent full compensation for furnishing all materials, labor, tools, equipment and incidentals required to complete the work.

8.02 GRASS:

8.2.01 RELATED DOCUMENTS: Drawings and general provisions of the contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

8.1.02 SUMMARY:

A. Work Included: Provide landscape grassing in the areas shown on the Drawings in a healthy, vigorous growing condition. Work indicated on the Drawings by notes shall be provided whether or not specifically mentioned in the Specifications. Items not specifically shown in the drawings or specified, but normally required to conform to such intent, are considered part of the work.

B. The work of this Section includes but is not limited to the following:

(1) Grassing operations.

(2) Maintenance.

(3) Warranty.

8.2.03 CODES AND STANDARDS: Perform work in accordance with applicable laws, codes and regulations required by authorities having jurisdiction over such work and provide for inspections and permits required by Federal, State and local authorities in furnishing, transporting and installing materials.

8.2.04 WARRANTY:

A. Grassing warranty shall coincide with the maintenance period (90 days) or until final acceptance.

B. Immediately replace grass that decline or die during the warranty period, using the same kind and size as originally planted. Furnish, plant, and maintain replacement grass as specified for original planting.

C. The contractor is not responsible for replacement of grass which decline or die after the maintenance period as a result of inadequate maintenance by the owner, vandalism, negligence by others, or acts of God, including high winds or flooding.

D. Warranty grassing for type specified. If after acceptance of the project, any warranted grass material proves to be of a different type not initially determinable, replace that grass with a new grass of the originally specified type. The new grass shall be equal in size to that of the incorrect grass at the time of its removal. The new grass shall meet the quality standards, be subject to the warranty, and be installed according to the Specifications.

- E. There is no time limit to this warranty. The Project Manager will determine the nonconformance of the grass, and notify the Contractor in writing of the required replacement work. Materials and work shall be at the expense of the Contractor. Replacement work must be completed within 10 working days from the date of notification.

8.2.05 GRASS:

- A. Botanical and common names of grass specified on the Drawings conform to names given in Tropica by Alfred Byrd Graf, and In Gardens of Hawaii by Marie C. Neal. Names not included therein conform to names generally accepted in the local nursery trade.
- B. Grass shall conform to recommendations and requirements of the most recent edition of the American Standard of Nursery Stock, published by the American Association of Nurseryman Inc., except as supplemented or modified by these specifications or the drawings.
- C. Grass shall have a habit of growth that is normal for the type and shall be healthy, and free from insects and injuries.

8.2.06 INSTALLATION OF GRASS:

- A. Verify quantities before bidding. Provide sufficient quantities to fulfill intent of plan with grass at locations indicated.
- B. Verify locations of utility lines. Arrange and pay for repair of utilities and structures damaged as a result of these operations.
- C. Notify Project Manager in writing of soil or drainage conditions encountered during planting operations in which the Contractor considers detrimental to growth of plant material. If drainage conditions of plant pits appear unsatisfactory, test drainage by filling with water. Conditions permitting the retention of water in planting pits for an excessive period of time shall be brought to the attention of the Project Manager.
- D. Apply pre-emergent herbicide in groundcover areas, except where seeds or unrooted cuttings are planted. Follow manufacturer's directions. If contractor elects to use "Ronstar-G" herbicide, apply it following completion of groundcover planting. Do not disturb the soil after spreading "Ronstar-G."

- E. Plant groundcover in neat rows insuring complete coverage of planting areas, including watering basins and under and around trees, shrubs and hedges. Spacings indicated on Drawings are triangular spacing.
- F. Maintain finish grade established prior to planting. Restore finish grade in any area disturbed by erosion or planting operations.

8.2.07 CLEAN-UP:

- A. Remove from the premises, as work progresses, rubbish and debris resulting from this work.
- B. Upon completion, leave entire area in a neat and orderly condition.
- C. Promptly remove any soil falling upon pavement as a result of these operations.

8.2.08 INSPECTION:

- A. Pre-Final Inspection: When grassing and clean-up have been completed, request that an inspection be held so that the maintenance period may be started. Correct deficiencies noted at the inspection to the satisfaction of the Project Manager before starting the formal maintenance period.
- B. Final Inspection: At the completion of the maintenance period, a final inspection shall be held to resolve and correct any deficiencies. Make corrections immediately.
- C. Contractor and Project Manager, or their representatives, shall be present at each inspection.
- D. Request inspections at least one week in advance so that a mutually agreeable time may be arranged.

8.2.09 MAINTENANCE:

- A. Maintain grassing within the project limit from effective date of the construction contract until 90 days after completion and approval of planting operations.
- B. Contractor shall have on-site at all times a written Best Management Practice (BMP) plan as stated within the Chapter 55, Water Pollution Control, of Title 11, Administrative Rules of the State Department of Health. Within BMP, the following shall be made part of the plan: types of fertilizer used based upon periodic soil analysis for plant nutrient level, irrigation operation (run time) based upon seasonal changes and annual rainfall with adjustment accordingly, chemical spraying for pests, etc.

- C. Maintain grass and grassed areas in optimum growing conditions and appearance. Maintenance shall include watering, weeding, fertilizing, replacing, maintaining of grades and elevations in landscaped areas, and other operations necessary to maintain work. Remove from the site leaves, trash, and debris that accumulate in planting areas.
- D. Irrigate as necessary to secure maximum growth of grass. Regulate irrigation as required to avoid runoff and soil erosion.
- E. Keep grassing areas free of weeds and undesirable grasses, including nutgrass. Remove entire root system of weeds.
- F. Spread fertilizer over grassing areas at rate of 10 lbs. per 1,000 square feet; once, 30 days after start of maintenance period and again, every 30 days thereafter until completion of maintenance period. Notify Project Manager one day prior to application of fertilizer.
- G. Promptly wash off any fertilizer that adheres to foliage. Irrigate grassing areas following fertilizer application. Promptly sweep off any fertilizer that falls on pavement, wood, or metal surfaces to prevent staining.
- I. Maintain finish grade established prior to grassing. Repair and replant when any grassing areas become eroded or otherwise damaged.
- J. Protect areas susceptible to pedestrian or vehicular traffic by erecting barricades immediately after grassing. Replant areas damaged by pedestrian or vehicular traffic, at no additional expense to the owner. Barricades or warning signs erected for protection of landscaping are subject to approval of the Project Manager.
- K. Contractor is responsible for replacement of grass that are stolen, killed, or damaged as a result of vandalism prior to completion of maintenance period.
- L. Inspect grass for fungus and insect damage weekly. Treat affected material immediately. Replace plants killed or disfigured by insects, fungus or disease.

8.2.10 PAYMENT: Payment for work described herein shall be included in the Unit Price Bid for the item of which it is a part and shall represent full compensation for furnishing all materials, labor, tools, equipment and incidentals required to complete the work.

**\*\*END OF SECTION\*\***

## SECTION SP-9 - ENVIRONMENTAL POLLUTION CONTROL

9.1 GENERAL: This section covers the requirements of environmental pollution control during construction activities. The Contractor shall be responsible for conformance to Title 11, Chapter 60 of the Public Health Regulations, Department of Health, State of Hawai'i.

### 9.2 GUIDELINES AND CRITERIA:

#### A. EROSION AND SEDIMENT CONTROL:

- (1) Soil Protection and drainage facilities shall be completed as early as practicable. Sections of bare earth and the length of their exposure to erosion shall be minimized by proper scheduling and limiting the work areas.
- (2) Surface drainage from cuts and fills within the construction limits and from borrow and waste disposal areas shall, if turbidity producing materials are present, be held in suitable sedimentation ponds or shall be graded to control erosion within acceptable limits.

#### B. LANDSCAPE PRESERVATION AND PROTECTION:

- (1) Construction activities shall be confined to the work areas defined by the plans and specifications. Care shall be exercised to preserve the natural landscape.
- (2) All scars made on trees by equipment, construction operations, or by removal of limbs larger than one inch in diameter shall be coated as soon as possible with an approved tree wound dressing.
- (3) All items having any apparent historical or archaeological interest which are discovered in the course of any construction activities shall be carefully preserved.

C. DUST CONTROL: Dust which could damage crops or dwellings or cause nuisance to persons shall be abated and control measures shall be performed. The Contractor shall be held liable for any damage resulting from dust originating from his operations.

#### D. WASTE DISPOSAL:

- (1) Care shall be exercised to ensure that disposal of wastes from construction operations do not create pollution problems.



- (2) Disposal of any materials, wastes, effluent, trash, garbage, oil, grease, chemicals, etc., shall meet all regulatory requirements and be subject to the approval of the Manager.
- (3) Waste Waters: Construction operations shall be conducted so as to prevent discharge or accidental spillage of pollutants, solid waste, debris, and other objectionable wastes in surface waters and underground water sources.
- (4) Disposal of waste materials including drill cuttings, well cleaning, development and pump testing waste waters, etc. shall meet all regulatory requirements and be subject to the approval of the Manager.

E. NOISE CONTROL: The operating schedule of large horsepower heavy equipment shall be planned to have the least impact upon nearby residents. Night operations shall only be conducted with the prior approval of the Manager and shall be curtailed or stopped when a disturbance is created.

9.3 MEASUREMENT AND PAYMENT: The cost for any pollution control activity specified above or deemed necessary by the Manager will not be measured nor paid for directly but will be considered as incidental to and included in the total sum Offer.

**\*\*END OF SECTION\*\***

**IFB Job No. 18-07**  
**Appendix A-Sample Contract**



CONTRACT NO. [Click here to enter text.](#)

**CONSTRUCTION CONTRACT**

THIS CONTRACT, effective as of the date below, is made and entered into by and between the BOARD OF WATER SUPPLY, County of Kaua'i, whose mailing address is 4398 Pua Loke Street, Līhu'e, Hawai'i 96766 (hereinafter the "BOARD") and [Click here to enter text.](#), a [Click here to enter text.](#), under the laws of the State of Hawaii, whose principle mailing address is [Click here to enter text.](#) (hereinafter the "CONTRACTOR").

**RECITALS**

THIS CONTRACT for construction services has been procured under:

- HRS §103D-302 (Competitive Sealed Bidding)
- HRS §103D-303 (Competitive Sealed Proposals)
- HRS §103D-305 (Small Purchase)
- HRS §103D-307 (Emergency Procurement No. [Click here to enter text.](#))

WHEREAS, ; and

WHEREAS, the Contractor is able and qualified to provide such construction services as required in this Contract; and

NOW THEREFORE, in consideration of the payment(s) hereinafter set forth to be made by the Board, the Contractor agrees to furnish and pay for all materials, supplies, tools, equipment, labor, utilities, transportation, services, and any and all other incidentals necessary to construct in place and complete, free of all liens, claims, and any encumbrances whatsoever: **Click here to enter text.** (hereinafter "Project").

1. **Contract Documents.** The Contractor agrees to complete the Project in accordance with this Contract and the following documents:

- Approved construction drawings;
- Specifications;
- Invitation for Bids Document No. [Click here to enter text.](#) and all Addenda thereto;
- Request for Proposals Project No. [Click here to enter text.](#) and all Addenda thereto;
- Bid/Proposal/Best and Final Offer;

- Method of Award;
- Wage Rate Schedule;
- Construction Schedules;
- Special Provisions;
- General Provisions for Construction Contracts of the Department of Water, dated April 25, 2016;

and those other documents attached or referred to therein, relating to the Project (hereinafter collectively referred to as "Contract Documents"). The Contractor understands and agrees that the Contract Documents including, but not limited to, those referenced in but not attached to this Contract and those referenced in but not attached to the Contract Documents, are hereby incorporated by reference into this Contract. The Contractor acknowledges and admits receipt of all Contract Documents, and acknowledges that it has reviewed, understands, and agrees with all terms and conditions in the Contract Documents and those other documents, terms and conditions referenced therein.

2. **Time of Performance.** The Contractor agrees to complete the Project within Click here to enter text. **CALENDAR DAYS**, from and including the date as specified in the written Notice to Proceed.
3. **Compensation.** For and in consideration of the Contractor's full and faithful performance of all services required to be performed under the Contract Documents, the Board hereby agrees to pay the Contractor the total maximum sum of Click here to enter text. **DOLLARS** (\$Click here to enter text.), federal, state, and local taxes included, in lawful money of the United States of America. The Contractor understands and agrees that payment shall be made in the manner and at the times specified in the Contract Documents, and shall also be subject to and conditioned upon such additions to or deductions from the preceding sum as may herein be made, according to the Contract Documents.
  - a. **Cost and/or Pricing:** If this Contract required Cost and/or Pricing data, the Contractor understands and agrees that the price to the Board, including profit or fee, shall be adjusted to exclude any significant sums by which the Board finds that the price was increased because the Contractor furnished cost or pricing data that was inaccurate, incomplete, or not current as of the date agreed upon between the parties.
4. **Liquidated Damages.** The Contractor understands and agrees that time is an essential factor of this Contract, and that the Board will suffer material loss by reason of delays that may occur in the Contractor's performance of the work or any portions of the work within the time or times fixed in the Contract or any extensions thereto. When the Contractor is given notice of delay or nonperformance, as specified in the Termination for Default clause of this Contract, and fails to cure in the time specified, the Contractor shall pay to the Board, as liquidated damages for any such delays or nonperformance, the sum of **Click here to enter text. DOLLARS** (\$Click here to enter text.), for each and every calendar day of delay or nonperformance from the day set for cure until either the Board reasonably obtains similar services if the Contract is terminated for default, or until

the Contractor provides the services if the Contractor is not terminated for default. The sums of each and every calendar day of delay or nonperformance shall be deducted from the Contract price. It is expressly stipulated by and between the Contractor and the Board that any such sums shall be deemed and taken to be liquidated damages for the Contractor's failure to perform within the specified time and not be in the nature of a penalty. To the extent that the Contractor's delay or nonperformance is excused under "excuse for nonperformance or delayed performance" of the Termination for Default clause of this Contract, liquidated damages shall not be due the Board. The Contractor remains liable for damages caused other than by delay.

5. **Bonds.** The Contractor is required to provide the following bonds, in an amount equal to 100% of the amount of the Contract price in the form(s) set forth in **Exhibit A**:

- Performance Bond (**Exhibit A1**)
- Labor and Material Payment Bond (**Exhibit A2**)
- Not Applicable

6. **Insurance.** Contractor shall procure and maintain, on a primary basis and at its sole expense, at all times during the life of the contract insurance coverages, limits, including endorsements as described Appendix "B" - Insurance, against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work by the Contractor or the Contractor's agents, representatives, employees, or subcontractors. The requirements contained therein, as well as the Department's review or acceptance of insurance maintained by the Contractor is not intended to and shall not in any manner limit or qualify the liabilities or obligations assumed by the Contractor. Unless otherwise approved by the Manager and Chief Engineer, the policy or policies of insurance maintained by the Contractor shall provide the minimum limit(s) and coverage(s) as specified in the attached Appendix "B" - Insurance and be placed with an insurance carrier authorized to do business in this state and rated A-VII by A.M. Best.

7. **Procurement Officer and Contract Administrator.** The Procurement Officer and Contract Administrator are:

If checked, the Procurement Officer and the Contract Administrator shall be the same individual.

Procurement Officer:

[Click here to enter text.](#)

[Click here to enter text.](#)

Department of Water, County of Kaua'i

4398 Pua Loke Street

Līhu'e, HI 96766

Phone: 808-245-[Click here to enter text.](#)

[Click here to enter text.](#)

Contract Administrator:

[Click here to enter text.](#)

[Click here to enter text.](#)

Department of Water, County of Kaua'i

4398 Pua Loke Street

Līhu'e, HI 96766

Phone: 808-245-[Click here to enter text.](#)

[Click here to enter text.](#)

8. **Severability.** In the event any term or provision of this Contract is declared to be invalid or illegal for any reason, this Contract will remain in full force and effect and will be interpreted as though such invalid or illegal provision were not a part of this Contract.
9. **Execution in Counterparts.** This Contract may be executed in counterparts, all of which shall be considered the same as if a single document shall have been executed, but shall become effective when such counterparts have been signed by each of the parties hereto and delivered to each party.
10. **Waiver.** Waiver of a breach or default under this Agreement shall not constitute a continuing waiver or a waiver of a subsequent breach of the same or any other provision of this Agreement.
11. **Board Defined.** As used in this Contract, “Board” means the Board of Water Supply of the County of Kaua‘i and the Department of Water, County of Kaua‘i, and its officers, agents, and employees.

**[REMAINDER OF THIS PAGE INTENTIONALLY LEFT BLANK]**

IN WITNESS WHEREOF, the parties hereto have hereunto caused this Contract to be executed as of the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

RECOMMENDED FOR APPROVAL

BOARD OF WATER SUPPLY,  
COUNTY OF KAUA'I

\_\_\_\_\_  
Bryan Wienand, P.E.  
Manager and Chief Engineer

\_\_\_\_\_  
Thomas Canute  
Chairperson, Board of Water Supply

APPROVED AS TO FORM  
AND LEGALITY

CONTRACTOR

\_\_\_\_\_  
Mahealani M. Krafft  
Deputy County Attorney

\_\_\_\_\_  
By: Click here to enter text.  
Its: Click here to enter text.

DRAFT

STATE OF HAWAI'I )  
 ) ss.  
COUNTY OF \_\_\_\_\_)

On this \_\_\_ day of \_\_\_\_\_, 20\_\_\_ in the \_\_\_ Circuit, State of Hawai'i, before me personally appeared \_\_\_\_\_, who is personally known to me or whose identity I proved on the basis of satisfactory evidence, who being by me duly sworn or affirmed, did say that such person executed the \_\_\_\_\_, dated \_\_\_\_\_ and consisting of \_\_\_ pages at the time of notarization, as the free act and deed of such person, and if applicable in the capacity shown, having been duly authorized to execute such instrument in such capacity.

\_\_\_\_\_  
Notary Public, State of Hawai'i  
Name of Notary: \_\_\_\_\_ (Affix Seal)  
My Commission expires: \_\_\_\_\_

***PLEASE INSERT YOUR APPLICABLE NOTARY SECTION***

**EXHIBIT A1  
PERFORMANCE BOND (SURETY)**

**KNOW ALL BY THESE PRESENTS:**

That Click here to enter text., a Click here to enter text. corporation, whose principal mailing address is Click here to enter text., as Principal, (hereinafter referred to as “Principal”), and Click here to enter text., as Surety, (hereinafter referred to as “Surety”), a corporation(s) authorized to transact business as a surety in the State of Hawai‘i, are held and firmly bound unto the Board of Water Supply, its successors and assigns, (hereinafter referred to as “Obligee”), in the amount of **Click here to enter text. DOLLARS (\$Click here to enter text.)** to which payment Principal and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

**WHEREAS**, the above-bound Principal has entered into a Contract with Obligee dated Click here to enter a date. for Click here to enter text. (hereinafter referred to as the “Contract”), which Contract is incorporated herein by reference and made a part hereof.

**NOW THEREFORE**, the condition of this obligation is such that:

If the Principal shall promptly and faithfully perform, and fully complete the Contract in strict accordance with the terms of the Contract as said Contract may be modified or amended from time to time; then this obligation shall be void; otherwise to remain in full force and effect. Surety to this bond hereby stipulates and agrees that no changes, extensions of time, alterations, or additions to the terms of the Contract, including the work to be performed thereunder, and the specifications or drawings accompanying same, shall in any way affect its obligation on this bond, and it does hereby waive notice of any such changes, extensions of time, alterations, or additions, and agrees that they shall become part of the Contract.

In the event of Default by the Principal, of the obligations under the Contract, then after written Notice of Default from the Obligee to the Surety and the Principal, Surety shall either remedy the Default, or take over the work to be performed under the contract and complete such work, subject, however, to the limitation of the penal sum of this bond.

Signed and sealed this \_\_\_\_\_ day of \_\_\_\_\_.



\_\_\_\_\_  
Principal Seal

By: \_\_\_\_\_

Its: \_\_\_\_\_

\_\_\_\_\_  
Surety Seal

By: \_\_\_\_\_

Its: \_\_\_\_\_

***ALL SIGNATURES MUST BE ACKNOWLEDGED BY A NOTARY PUBLIC***

**SURETY PERFORMANCE BOND**

STATE OF \_\_\_\_\_ )

) ss.

COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me appeared \_\_\_\_\_ to me personally known, who being by me was duly sworn, did say he/she is the \_\_\_\_\_ of \_\_\_\_\_, a \_\_\_\_\_; that the seal affixed to the foregoing instrument is the \_\_\_\_\_ seal of said \_\_\_\_\_; and said officer acknowledged said instrument to be the free act and deed of said \_\_\_\_\_.

\_\_\_\_\_  
Notary Public, State of \_\_\_\_\_

Name of Notary: \_\_\_\_\_

My commission expires: \_\_\_\_\_

**SURETY PLEASE INSERT YOUR APPLICABLE NOTARY SECTION**

**EXHIBIT A1  
PERFORMANCE BOND**

**KNOW ALL BY THESE PRESENTS:**

That we, \_\_\_\_\_, whose mailing address is \_\_\_\_\_, as Contractor, (hereinafter called "Contractor"), is held and firmly bound unto the \_\_\_\_\_, its successors and assigns, as Obligee, (hereinafter called "Obligee"), in the amount of \_\_\_\_\_ **DOLLARS (\$\_\_\_\_\_)**, lawful money of the United States of America, for the payment of which to the said Obligee, well and truly to be made, Contractor binds itself, its heirs, executors, administrators, successors and assigns, firmly by these presents. Said amount is evidenced by:

- Legal tender;
- Share Certificate unconditionally assigned to or made payable at sight to \_\_\_\_\_;
- Certificate of Deposit, No. \_\_\_\_\_, dated \_\_\_\_\_, issued by \_\_\_\_\_, drawn on \_\_\_\_\_, a bank, savings institution, or credit union insured by the Federal Deposit Insurance Corporation or the Nation Credit Union Administration, payable at sight or unconditionally assigned to \_\_\_\_\_;
- Cashier's Check No. \_\_\_\_\_, dated \_\_\_\_\_, issued by \_\_\_\_\_, drawn on \_\_\_\_\_, a bank, savings institution, or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, payable at sight or unconditionally assigned to \_\_\_\_\_;
- Teller's Check No. \_\_\_\_\_, dated \_\_\_\_\_, issued by \_\_\_\_\_, drawn on \_\_\_\_\_, a bank, savings institution, or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, payable at sight or unconditionally assigned to \_\_\_\_\_;
- Treasurer's Check No. \_\_\_\_\_, dated \_\_\_\_\_, issued by \_\_\_\_\_;

\_\_\_\_\_, drawn on \_\_\_\_\_, a bank, savings institution, or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, payable at sight or unconditionally assigned to \_\_\_\_\_;

Official Check No. \_\_\_\_\_, dated \_\_\_\_\_, issued by \_\_\_\_\_, drawn on \_\_\_\_\_, a bank, savings institution, or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, payable at sight or unconditionally assigned to \_\_\_\_\_;

Certified Check No. \_\_\_\_\_, dated \_\_\_\_\_, issued by \_\_\_\_\_, drawn on \_\_\_\_\_, a bank, savings institution, or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, payable at sight or unconditionally assigned to \_\_\_\_\_.

**WHEREAS**, the Contractor has by written agreement dated \_\_\_\_\_ entered into a contract with Obligeo for the following PROJECT: [Click here to enter text.](#), (hereinafter called the “Contract”), which Contract is incorporated herein by reference and made a part hereof.

NOW, THEREFORE,

The condition of this obligation is such that, if Contractor shall promptly and faithfully perform the Contract in accordance with, in all respects, the stipulations, agreements, covenants and conditions of the Contract as it now exists or may be modified according to its terms, and shall deliver the PROJECT to the Obligeo, or to its successors or assigns, fully completed as in the Contract specified and free from all liens and claims and without further cost, expense, or charge to the Obligeo, its officers, agents, successors, or assigns, free and harmless from all suits or actions of every nature and kind which may be brought for or on account of any injury or damage, direct or indirect, arising or growing out of the doing of said work or the repair or maintenance thereof or the manner of doing the same or the neglect of the Contractor or its agents or servants or the improper performance of the Contract by the Contractor or its agents or servants or from any other cause, then this obligation shall be void; otherwise it shall be and remain in full force and effect.

**AND IT IS HEREBY STIPULATED AND AGREED** that suit on this bond may be

brought before a court of competent jurisdiction without a jury, and that the sum or sums specified in the said Contract as liquidated damages, if any, shall be forfeited to the Obligee, its successors or assigns, in the event of a breach of any, or all, or any part of, the covenants, agreements, conditions, or stipulations contained in the Contract or in this bond in accordance with the terms thereof.

The amount of this bond may be reduced by and to the extent of any payment or payments made in good faith hereunder.

Signed this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

(Seal)

\_\_\_\_\_  
Name of Contractor

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

STATE OF \_\_\_\_\_ )  
 ) ss.  
COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me appeared \_\_\_\_\_ to me personally known, who being by me was duly sworn, did say he/she is the \_\_\_\_\_ of \_\_\_\_\_, a \_\_\_\_\_; that the seal affixed to the foregoing instrument is the \_\_\_\_\_ seal of said \_\_\_\_\_; and said officer acknowledged said instrument to be the free act and deed of said \_\_\_\_\_.

\_\_\_\_\_  
Notary Public, State of \_\_\_\_\_

Name of Notary: \_\_\_\_\_

My commission expires: \_\_\_\_\_

***ALL SIGNATURES MUST BE ACKNOWLEDGED BY A NOTARY PUBLIC***

**EXHIBIT A2  
LABOR AND MATERIAL PAYMENT BOND (SURETY)**

**KNOW ALL BY THESE PRESENTS:**

That Click here to enter text. a Click here to enter text. corporation, whose principal mailing address is Click here to enter text. , as principal (hereinafter referred to as "Principal"), and Click here to enter text. as Surety (hereinafter referred to as "Surety"), a corporation(s) authorized to transact business as a surety in the State of Hawai'i, are held and firmly bound unto the Board of Water Supply, its successors and assigns (hereinafter referred to as "Obligee"), in the amount of Click here to enter text. **DOLLARS** (\$Click here to enter text.), to which payment Principal and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

**WHEREAS**, the above-bound Principal has entered into a Contract with Obligee dated Click here to enter a date. for Click here to enter text. (hereinafter referred to as the "Contract"), which Contract is incorporated herein by reference and made a part hereof.

**NOW, THEREFORE**, the condition of this obligation is such that if the Principal shall promptly make payment to any Claimant, as hereinafter defined, for all labor and materials supplied to the Principal for use in the performance of the Contract, then this obligation shall be void; otherwise to remain in full force and effect.

1. Surety to this Bond hereby stipulates and agrees that no changes, extensions of time, alterations, or additions to the terms of the Contract, including the work to be performed thereunder, and the specifications or drawings accompanying same, shall in any way affect its obligation on this bond, and it does hereby waive notice of any such changes, extensions of time, alterations, or additions, and agrees that they shall become part of the Contract.
2. A "Claimant" shall be defined herein as any person who has furnished labor or materials to the Principal for the work provided in the Contract.

As provided in Section 103D-324, Hawai'i Revised Statutes, every Claimant who has not been paid in full before the expiration of a period of ninety days after the day on which the last of the labor was done or performed or material was furnished or supplied, for which such a claims made, may institute an action against the Principal or the Principal and its Surety, on this bond

and have their rights and claims adjudicated in the action, and judgment rendered thereon; subject to the Obligee's priority on the bond. If the full amount of the liability of the Surety on the bond is insufficient to pay the full amount of the claims, then after paying the full amount due the Obligee, the remainder shall be distributed pro rata among the claimants.

Signed and sealed this \_\_\_\_\_ day of \_\_\_\_\_.

\_\_\_\_\_  
Principal Seal

By: \_\_\_\_\_

Its: \_\_\_\_\_

\_\_\_\_\_  
Surety Seal

By: \_\_\_\_\_

Its: \_\_\_\_\_

***ALL SIGNATURES MUST BE ACKNOWLEDGED BY A NOTARY PUBLIC***

SURETY LABOR AND MATERIAL PAYMENT BOND

STATE OF \_\_\_\_\_ )  
 ) ss.  
COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me appeared \_\_\_\_\_ to me personally known, who being by me was duly sworn, did say he/she is the \_\_\_\_\_ of \_\_\_\_\_, a \_\_\_\_\_; that the seal affixed to the foregoing instrument is the \_\_\_\_\_ seal of said \_\_\_\_\_; and said officer acknowledged said instrument to be the free act and deed of said \_\_\_\_\_.

\_\_\_\_\_  
Notary Public, State of \_\_\_\_\_

Name of Notary: \_\_\_\_\_

My commission expires: \_\_\_\_\_

**SURETY PLEASE INSERT YOUR APPLICABLE NOTARY SECTION**



**EXHIBIT A2**  
**LABOR AND MATERIAL PAYMENT BOND**  
**(11/17/98)**

**KNOW ALL BY THESE PRESENTS:**

That we, \_\_\_\_\_, whose mailing address is \_\_\_\_\_, as Contractor, (hereinafter called "Contractor"), is held and firmly bound unto the \_\_\_\_\_, its successors and assigns, as Obligee, (hereinafter called "Obligee"), in the amount of \_\_\_\_\_ **DOLLARS** (\$\_\_\_\_\_), lawful money of the United States of America, for the payment of which to the said Obligee, well and truly to be made, Contractor binds itself, its heirs, executors, administrators, successors and assigns, firmly by these presents. Said amount is evidenced by:

- Legal tender;
- Share Certificate unconditionally assigned to or made payable at sight to \_\_\_\_\_;
- Certificate of Deposit, No. \_\_\_\_\_, dated \_\_\_\_\_, issued by \_\_\_\_\_, drawn on \_\_\_\_\_, a bank, savings institution, or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, payable at sight or unconditionally assigned to \_\_\_\_\_;
- Cashier's Check No. \_\_\_\_\_, dated \_\_\_\_\_, issued by \_\_\_\_\_, drawn on \_\_\_\_\_, a bank, savings institution, or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, payable at sight or unconditionally assigned to \_\_\_\_\_;
- Teller's Check No. \_\_\_\_\_, dated \_\_\_\_\_, issued by \_\_\_\_\_, drawn on \_\_\_\_\_, a bank, savings institution, or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, payable at sight or unconditionally assigned to \_\_\_\_\_;
- Treasurer's Check No. \_\_\_\_\_, dated \_\_\_\_\_, issued by \_\_\_\_\_;

\_\_\_\_\_, drawn on \_\_\_\_\_, a bank, savings institution, or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, payable at sight or unconditionally assigned to \_\_\_\_\_;

Official Check No. \_\_\_\_\_, dated \_\_\_\_\_, issued by \_\_\_\_\_, drawn on \_\_\_\_\_, a bank, savings institution, or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, payable at sight or unconditionally assigned to \_\_\_\_\_;

Certified Check No. \_\_\_\_\_, dated \_\_\_\_\_, issued by \_\_\_\_\_, drawn on \_\_\_\_\_, a bank, savings institution, or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, payable at sight or unconditionally assigned to \_\_\_\_\_.

**WHEREAS:**

The Contractor has by written agreement dated [Click here to enter a date.](#) entered into a contract with Obligee for the following PROJECT: [Click here to enter text.](#), (hereinafter called “Contract”), which Contract is incorporated herein by reference and made a part hereof.

**NOW, THEREFORE,**

The condition of this obligation is such that, if Contractor shall promptly and faithfully perform the Contract in accordance with, in all respects, the stipulations, agreements, covenants and conditions of the Contract as it now exists or may be modified according to its terms, free from all liens and claims and without further cost, expense or charge to the Obligee, its officers, agents, successors or assigns, free and harmless from all suits or actions of every nature and kind which may be brought for or on account of any injury or damage, direct or indirect, arising or growing out of the doing of said work or the repair or maintenance thereof or the manner of doing the same or the neglect of the Contractor or its agents or servants or the improper performance of the Contract by the Contractor or its agents or servants or from any other cause, and shall promptly pay all persons supplying labor and materials for the performance of the Contract, then this obligation shall be void; otherwise it shall be and remain in full force and effect.

**AND IT IS HEREBY STIPULATED AND AGREED** that suit on this bond may be

brought before a court of competent jurisdiction without a jury, and that the sum or sums specified in the said Contract as liquidated damages, if any, shall be forfeited to the Obligee, its successors or assigns, in the event of a breach of any, or all, or any part of, the covenants, agreements, conditions, or stipulations contained in the Contract or in this bond in accordance with the terms thereof.

**AND IT IS HEREBY STIPULATED AND AGREED** that this bond shall inure to the benefit of any and all persons entitled to file claims for labor performed or materials furnished in said work so as to give any and all such persons a right of action as contemplated by Sections 103D-324(d) and 103D-324(e), Hawai'i Revised Statutes.

The amount of this bond shall be reduced by and to the extent of any payment or payments made in good faith hereunder, inclusive of the payment of mechanics' liens which may be filed of record against the PROJECT, whether or not claim for the amount of such lien be presented under and against this bond.

Signed this \_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

(Seal)

\_\_\_\_\_  
Name of Contractor

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

***ALL SIGNATURES MUST BE ACKNOWLEDGED BY A NOTARY PUBLIC***

STATE OF \_\_\_\_\_ )  
 ) ss.  
COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me appeared \_\_\_\_\_ to me personally known, who being by me was duly sworn, did say he/she is the \_\_\_\_\_ of \_\_\_\_\_, a \_\_\_\_\_; that the seal affixed to the foregoing instrument is the \_\_\_\_\_ seal of said \_\_\_\_\_; and said officer acknowledged said instrument to be the free act and deed of said \_\_\_\_\_.

\_\_\_\_\_  
Notary Public, State of \_\_\_\_\_

Name of Notary: \_\_\_\_\_

My commission expires: \_\_\_\_\_

**EXHIBIT B**  
***Placeholder***

DRAFT

**IFB Job No. 18-07**  
**Appendix B-GPCC**

**GENERAL PROVISIONS**  
**FOR**  
**CONSTRUCTION CONTRACTS**  
**OF THE**  
**DEPARTMENT OF WATER**  
**COUNTY OF KAUA'I**  
**STATE OF HAWAII**

**April 25, 2016**

**GENERAL PROVISIONS  
OF  
CONSTRUCTION CONTRACTS  
OF THE  
DEPARTMENT OF WATER  
COUNTY OF KAUA'I**

**April 25, 2016**

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**DEPARTMENT OF WATER  
COUNTY OF KAUA‘I  
STATE OF HAWAI‘I**

**GENERAL PROVISIONS OF CONSTRUCTION CONTRACTS  
OF THE DEPARTMENT OF WATER, COUNTY OF KAUA‘I**

**SECTION 1 - DEFINITIONS**

When used in these provisions or elsewhere in the contract, the following terms, or pronouns used in place of them, shall have the meaning ascribed to them in this section, unless it is apparent from the context that a different meaning is intended:

- 1.1 ADDENDUM/ADDENDA** means a written document issued during the solicitation period involving changes to the solicitation documents which shall be considered and made a part of the solicitation documents and resulting contract [HAR 3-122-16.06].
- 1.2 BOARD** means the Board of Water Supply, County of Kaua‘i and the Department of Water County of Kaua‘i, its officers and employees.
- 1.3 BID** is as described in Hawai‘i Revised Statutes 103D-302.
- 1.4 BIDDER** means person or entity that has submitted a bid in response to the Department of Water, County of Kaua‘i’s Invitation for Bids.
- 1.5 BID SECURITY** means security provided at the time an offer is submitted.
- 1.6 CALENDAR DAY** means days shown on the calendar beginning at midnight and ending at midnight of the following day. If no designation of calendar or working day is made, “Day” shall mean calendar day.
- 1.7 CHANGE ORDER** means an amendment or modification of the work within the scope of the Contract, by the Contracting Officer or his/her authorized designee, directing the Contractor to make changes with or without the consent of the Contractor. [HRS 103D-104] [HAR 3-125-2][HAR 3-125-4]
- 1.8 CHIEF PROCUREMENT OFFICER** means the Manager and Chief Engineer of the Department.
- 1.9 CONTRACT** means the written agreement covering the construction of the project by the contractor, including the furnishing of labor, materials and equipment in connection therewith. It shall include these provisions, the contract and/or agreement, the notice to the bidders or proposers, the offer, the award, the special provisions, the plans, the specifications, the bond, any addendum and any written order. It shall also include all amendments to the contract by supplemental agreement thereto in writing.

**1.10 CONTRACT TIME** means the number of calendar days provided in the contract for completion of the contract, exclusive of authorized time extensions. The contract time will be indicated in the bid or proposal document and contract.

If the contract requires completion by a certain date, the contractor shall complete the work by that date.

**1.11 CONTRACTING OFFICER** means the Procurement Officer or Contract Administrator, or Construction Project Management Officer of the Department of Water, County of Kaua‘i or his or her duly authorized representative.

**1.12 CONTRACTOR** means the person who has entered into the contract with the Department and further defined by Section 444-1(2), HRS, as amended.

**1.13 COST ANALYSIS** means the evaluation of cost data for the purpose of arriving at costs actually incurred or estimates of costs to be incurred, prices to be paid, and costs to be reimbursed. [HAR 3-120-2]

**1.14 COST DATA** means information concerning the actual or estimated cost of labor, material, overhead, and other cost elements which have been actually incurred or which are expected to be incurred by the contractor in performing the contract. [HAR 3-120-2]

**1.15 DAYS** means consecutive calendar days unless otherwise specified. [HAR 3-120-2]

**1.16 DEPARTMENT** means the Department of Water, County of Kaua‘i, its officers and employees.

**1.17 EXTENDED OVERHEAD** includes project field office rental, salaries of field office and management staff, field office staff vehicles, field office utilities and telephone, and field office consumables, project fees, project bonding, project insurances and all taxes including general excise tax.

**1.18 FINAL PROPOSAL** means the final mutually-agreed terms of the proposal submitted by the awarded Offeror in response to the County’s RFP or the Best and Final Offer accepted by the County in accordance with HAR §3-122-53 and 3-122-54.

**1.19 GUARANTEE** means a formal assurance of the quality or of the length of use to be expected from a product offered or constructed.

**1.20 HAR** means the Hawai‘i Administrative Rules of the State of Hawai‘i, as amended.

**1.21 HAZARDOUS MATERIALS** mean and include any and all radioactive materials, asbestos, organic compounds known as polychlorinated biphenyls, chemicals known to cause cancer or reproductive toxicity, hazardous wastes, toxic substances, and any and all other substances or materials defined as “hazardous materials,” “extremely hazardous materials,” “hazardous wastes” or “toxic substances” under or for the purposes of hazardous materials laws.

- 1.22 HAZARDOUS MATERIALS LAWS** mean and include all federal, state or local laws, ordinances, rules, regulations or codes, now or hereafter in effect, relating to environmental conditions, human health or industrial hygiene, including but not limited to the Comprehensive Environmental Response, Compensation and Liability Act of 1980, as amended, 42 U.S.C. section 9601, et seq., the Resource Conservation and Recovery Act, 42, U.S.C. section 6901, et seq., the Hazardous Materials Transportation Act, 42 U.S.C. section 1801, et seq., the Clean Water Act, 33 U.S.C. section 1251 et seq., the Clean Air Act, 42 U.S.C. 7401 et seq., the Toxic Substances Control Act, 15 U.S.C. section 2601 - 2629, the Safe Drinking Water Act, 42, U.S.C. sections 300f - 300j, HRS Chapter 128D, Environmental Response Law, HRS Chapter 342B, Air Pollution Control, HRS Chapter 342D, Water Pollution, HRS Chapter 342H, Solid Waste Pollution, HRS Chapter 342J, Hazardous Waste, HRS Chapter 342L, Underground Storage Tanks, Chapter 342P, Asbestos, and any similar state or local laws or ordinances and the regulations now in effect or hereafter adopted, published or promulgated thereto.
- 1.23 HRS** means the Hawai‘i Revised Statutes of the State of Hawai‘i, as amended.
- 1.24 INVITATION FOR BIDS or IFB** means all documents, whether attached or incorporated by reference, utilized for soliciting bids under the competitive sealed bidding source selection method. [HAR 3-120-2]
- 1.25 MANAGER** means the Manager and Chief Engineer of the Department or his or her duly authorized representative.
- 1.26 NOTICE TO PROCEED or NTP** means the document issued to the Contractor designating the official commencement date of the performance under the Contract.
- 1.27 OFFER** refers to bidders and/or proposers.
- 1.28 OFFEROR** refers to bidders and/or proposers.
- 1.29 OVERHEAD** includes office expense, staff salaries, travel expenses, legal expenses, fees, insurances, bonding and all taxes including general excise tax.
- 1.30 PERSON** means an individual, a partnership, joint venture, a corporation, whichever is applicable.
- 1.31 PRICE ANALYSIS** means the evaluation of price data, without analysis of the separate cost components and profit as in cost analysis, which may assist in arriving at prices to be paid and costs to be reimbursed. [HAR 3-120-2]
- 1.32 PRICE DATA** means factual information concerning prices, including profit, for goods, services, or construction substantially similar to those being procured. In this definition, “prices” refers to offered or proposed selling prices, historical selling prices, and current selling prices of such items. This definition refers to data relevant to both the general contractor and subcontract prices. [HAR-3-120-2]

**1.33 PROPOSAL** means the executed document submitted by an Offeror in response to a Request for Proposals. [HAR 3-120-2].

**1.34 PROPOSER** means person or entity that has submitted an offer in response to the Department of Water, County of Kaua'i's Invitation for Bids or Request for Proposal.

**1.35 REFERENCE SPECIFICATIONS** means the most recently adopted and published edition of such specifications referred to on the date of the notice to bidders or proposers is contemplated, unless otherwise specified.

References are on file at the Department of Water for review by prospective bidders or proposers. Upon request, copies of a section or sections of the references will be made available pursuant to the Kaua'i County Code on reproducible charges for public records.

**1.36 REQUEST FOR PROPOSALS or RFP** means all documents, whether attached or incorporated by reference, utilized for soliciting proposals under the competitive sealed proposal source selection method. [HAR 3-120-2]

**1.37 RESPONSIBLE OFFEROR** means a person who has the capability in all respects to perform fully the Contract requirements, and the integrity and reliability which will assure good faith performance. [HRS 103D-104]

**1.38 RESPONSIVE BIDDER or OFFEROR** means a person who has submitted an offer which conforms in all material respects to the IFB or RFP. [HAR 3-120-2]

**1.39 SOLICITATION** means an invitation for bids, request for proposals, or a request for quotations, or any other document issued by the County for the purpose of soliciting bids or proposals to perform a County contract. [HAR 3-120-2]

**1.40 STATE** means the State of Hawai'i.

**1.41 WARRANTY** means a written statement that promises the good condition of a product and states that the maker is responsible for repairing or replacing the product for a certain period of time after its purchase.

**1.42 WORKING DAY** means a calendar day, exclusive of: (1) Saturdays, Sundays and State recognized legal holidays, (2) days during which the Contractors required to suspend construction operations, and (3) days on which weather and other conditions not under the control of the contractor will not permit construction operations to proceed for at least 5 hours of the day. The contractor shall perform the controlling item or items of work.



## 1.43 OTHER REFERENCES

### A. Abbreviations.

The following abbreviations shall refer to the technical society, organization, body, code, rules or standard, listed opposite each abbreviation:

AASHTO	American Association of State Highway and Transportation Officials
ACI	American Concrete Institute
AGC	Associated General Contractors of America
AIA	American Institute of Architects
AISC	American Institute of Steel Construction
AISI	American Iron and Steel Institute
ANSI	American National Standards Institute
ASCE	American Society of Civil Engineers
ASTM	American Society for Testing and Materials
AWWA	American Water Works Association
AWRA	American Water Resources Association
HRS	Hawai'i Revised Statutes
HAR	Hawai'i Administrative Rules
IANPO	International Association of Plumbing & Mechanical Officials
MUTCD	Manual on Uniform Traffic Control Devices
NEC	National Electric Code
NEMA	National Electric Manufacturers Association
NSF	National Sanitation Foundation
UL	Underwriter's Laboratory
USGS	U.S. Geological Survey

B. **Standard Detail Drawings, Water Standards, Specifications and Special Provisions.**

When reference is made to standard detail drawings, Water Standards, specifications or special provisions, such referral shall be to the standard detail drawings, Water Standards, specifications or special provisions of the Department of Water, as amended.

Water Standards shall mean the “Water System Standards, State of Hawai‘i, 2002”, as amended, as adopted by Department of Water, County of Kaua‘i; Board of Water Supply, City and County of Honolulu; Department of Water Supply, County of Maui; and Department of Water Supply, County of Hawai‘i.

## **SECTION 2 – BIDDING/PROPOSAL INSTRUCTIONS**

### **2.1 DEPOSIT FOR PLANS, SPECIFICATIONS AND SPECIAL PROVISIONS**

Plans, Specifications and Special Provisions of the contract may be obtained from the Department of Water, Līhu‘e, Kaua‘i, upon deposit of the amount specified in the Notice to Bidders or Notice of the Request for Proposals.

Unless otherwise stated in the Notice to Bidders or the Notice of the Request for Proposals, the deposit for the plans, specifications and special provisions will be refunded upon their return in good condition to the Department of Water within thirty (30) calendar days after the day on which bids or proposals have been opened.

Deposits shall be forfeited if the plans, specifications and special provisions are not returned within the specified time or in good condition. The plans and specifications shall not, under any circumstances be disassembled. Should the Department discover any evidence of disassembling upon the return of the plans and specifications, the deposit on said plans and specifications shall be forfeited to the Department.

The sample form of the bid or proposal shall not be detached from the Special Provisions.

### **2.2 QUALIFICATIONS OF OFFERORS**

All offerors shall be contractors licensed in accordance with Chapter 444, Hawai‘i Revised Statutes, as amended, to perform the work under the contract.

No contract will be awarded to any person who has been suspended under and as provided in, the provisions of Chapter 104, Hawai‘i Revised Statutes, Chapter 126, Subtitle 11, Title 3, Hawai‘i Administrative Rules and HRS 103D-702, or to any firm in which such suspended person has an interest.

Qualifications of Offerors. Prospective offerors must be capable of performing the work for which solicitations are being called. Each prospective offeror must file a written notice of intention to bid or propose which shall be received not less than ten (10) calendar days prior to the day designated for opening of bids or proposals. If the tenth calendar day prior to the day designated for opening of bids or proposals is a Saturday, Sunday, or legal State holiday, the written notice must be received by the Manager no later than 4:30 p.m. on the working day immediately before said Saturday, Sunday, or legal State holiday.

Prospective offerors shall, upon request, prove to the Manager his or her responsibility by showing, among other things, his or her experience in handling the class of service, article, material or machinery to be furnished and delivered, and that he or she possesses or is in a position financially and otherwise to secure and pay for said service, article, machinery or material by submitting answers under oath to all questions contained in the “Standard Qualification Questionnaire for Prospective Offerors on Department of Water Contracts” as

required by Section 103D-310, Hawai'i Revised Statutes, as amended, to the Department not less than ten (10) calendar days prior to the day fixed for the opening of the bids or proposals.

All information contained in answers to the questionnaire shall be and remain confidential. Questionnaires so submitted shall be returned to such offerors after having served their purpose. (Auth: 3-122-108 HAR)

## **2.3 CERTIFICATION OF HEALTH AND SAFETY**

a) The Contractor shall give notices and comply with applicable laws, ordinances, rules, regulations and lawful orders of public authorities bearing on safety of persons or property or their protection from damage, injury or loss. The cost of Safety and Health shall not be paid for directly but shall be considered incidental and included in the prices bid for the various items of work.

b) Safety and Health Certificate of Compliance. A certificate of compliance shall be submitted with each offer certifying that, if awarded the contract, the offeror will comply with Section 396-18, HRS, relating to safety and health programs for County construction projects, where the offer amount is in excess of \$100,000. The certificate of compliance shall be submitted with the offer. Failure to submit the required certification shall be grounds for disqualification of the offer.

## **2.4 DETERMINATION OF RESPONSIBILITY**

The Contracting Officer shall determine, on the basis of available information collected, the responsibility or nonresponsibility of a prospective offeror.

If the Contracting Officer requires additional information, the prospective offeror shall promptly supply such information within two (2) working days from the date requested. Failure to supply the requested information within the above stated time may be considered unreasonable and may be grounds for a determination of nonresponsibility.

Notwithstanding the paragraph immediately above, the Contracting Officer shall not be precluded from requesting additional information.

Upon determination that a prospective offeror is not fully qualified to perform the work, the shall afford the prospective offeror an opportunity to be heard. Upon conclusion of the hearing and if still of the opinion that the offeror is not fully qualified to perform the work, the Contracting Officer shall refuse to receive or consider any offer offered by the prospective offeror.

A written determination of nonresponsibility of an offeror shall be made by the Contracting Officer. The prospective offeror shall be immediately notified of the determination. The decision of the Contracting Officer shall be final unless the offeror applies for administrative review pursuant to Chapter 126, Subtitle 11, Title 3, HAR. (Auth: HRS: 103D-310) (Imp: HRS 103D-310) (Auth: 3-122-108, HAR)

## **2.5 OFFER FORM**

Offers must be on an offer form provided for such purpose by the Department. Offers must be signed in ink by the person or persons duly authorized to sign offers in the space provided for signature on the offer forms. In the case of a domestic corporation, the title or titles of the person or persons signing must be stated. Where the offeror is an association or group, the title or titles of the person or persons signing must be stated and an affidavit of the association or group must be attached which acknowledges the authority of the signer or signers to sign offers and all other necessary documents in connection therewith for the association or group.

Offers shall be sealed and enclosed in envelopes showing the name of the project. Unless otherwise specified, offerors shall submit offers on all items shown on the offer form. Offers shall be typewritten or printed in ink. Errors may be erased or crossed out, and corrections typewritten or printed in ink must be initialed in ink by the persons or persons signing the bids.

The offers shall be deposited at the Department, not later than the time specified for such opening. Offers received after the specified time for opening in the notice, as evidenced by the time stamp of the Department, shall be considered late and rejected; however, a late offer shall not be considered late if received before contract award and would have been timely but for the action or inaction of personnel within the Department. A late offer that will not be considered for award shall be returned to the offeror unopened as soon as practicable and accompanied by a letter from the Contracting Officer stating the reason for its return. (Auth: 3-122-16.08(a)(b) HAR)

Offers transmitted via facsimile are unacceptable and will be rejected and returned to the offeror.

## **2.6 OFFER FORM, INTERPRETATION OF**

The offer form does not necessarily outline all of the work involved in the performance of the contract, but is merely a list of items upon which the computation of compensation is to be based. The offer form contains all items to be used in such computation, and the compensation computed therefrom shall be full compensation for the performance of the contract.

If it should appear to a prospective offeror that the performance of the work under the contract or any of the matters relative thereto, is not sufficiently described or explained in the offer form, or that any discrepancy exists between different parts thereof, or that the full intent of the form is not clear, then the offeror shall submit a written request for clarification to the Contracting Officer no later than ten (10) calendar days before the day fixed for the opening of offers, as evidenced by the time-stamp of the Department. The offeror submitting the inquiry shall be responsible for its delivery.

If additional information is deemed necessary, such information will be issued in an

addendum by the Contracting Officer. The addendum will be mailed, facsimile, or delivered to all persons who have obtained the special provisions, plans, and specifications of the contract. All addenda issued shall be a part of the contract. (Auth: 3-122-16.06 HAR)

If during discussions during the RFP process, there is a need for any substantial clarification or change in the RFP, the RFP shall be amended by an addendum to incorporate the clarification or change. Addenda to the RFP shall be distributed only to priority-listed Offerors and shall be a part of the contract.

No oral interpretation, instruction or information concerning the contract given by any officer, employee or agent of the Department shall be binding on the Department. (HAR 3-122-16.06)

## **2.7 PRICES TO COVER ENTIRE CONTRACT**

Offerors shall include in their offered prices the entire cost of the performance of the contract, and it is understood and agreed that there is included in each lump sum or unit price, the entire cost of all items incidental to the performance of the contract, covered by such lump sum or unit price offer. Offerors in figuring the offer price shall take into consideration the cost of all freight and delivery charges, marine insurance and taxes; and shall include the cost of furnishing and installing all equipment as called for in the specifications including warranty repairs of the complete unit. Whenever installation is specified, installation shall include all necessary labor, materials and other incidentals required to make a complete operative unit. When an offeror is in doubt as to the proper item to which the anticipated cost of any incidental item is to be allocated, he or she shall include such cost in the lump sum or unit price for the items that he or she deems most appropriate.

It is understood and agreed that whenever unit price(s) is/are called for on the provided page(s), all offerors must indicate their unit price(s) on the blank space(s) provided thereon. Failure to comply will be grounds for rejection. (Auth: 3-122-97 HAR).

Prices shall remain valid for ninety (90) calendar days after the established bid submission deadline.

## **2.8 COST AND PRICING DATA- PROPOSALS/Sole Source**

a) A contractor, except as provided in subsection c herein, shall submit cost or pricing data and shall certify that, to the best of the contractor's knowledge and belief, the cost or pricing data submitted is accurate, complete and current as of a mutually determined specified date prior to the date of:

1) The pricing of any contract awarded by competitive sealed proposals or pursuant to the sole source procurement authority, where the total contract amount is expected to exceed an amount established in HAR; or

b) If this provision is applicable then the price to the Department, including profit or fee, shall be adjusted to exclude any significant sums by which the Department finds that the

price was increased because the contractor furnished cost or pricing data that was inaccurate, incomplete, or not current as of the date agreed upon between the parties.

c) This section shall not apply to contracts where:

- 1) The contract price is based on adequate price competition
- 2) The contract price is based on established catalog prices or market prices;
- 3) The contract prices are set by law or rule;
- 4) It is determined in writing that the requirements of this section may be waived.  
(HRS 103D-312)

## **2.9 BID SECURITY**

Bid security shall be required for construction contracts procured by way of invitation for bid or request for proposals, of \$25,000 or more or for construction contracts for less than \$25,000 when required by the Contracting Officer. Bid security shall be in an amount equal to at least five percent (5%) of the amount of the base bid and additive alternates or in an amount required by the terms of the federal funding.

Acceptable bid security, shall be limited to:

1. Surety bond underwritten by a company licensed to issue bonds in the State of Hawai‘i;
2. Legal tender of the United States of America; or
3. A certificate of deposit; share certificate; or cashier’s, treasurer’s, teller’s, or official check drawn by, or a certified check accepted by a bank, savings institution, or credit union insured by the United States Federal Deposit Insurance Corporation or the National Credit Union Administration and payable at sight or unconditionally assigned to the Department.
  - a. These instruments may be utilized only to a maximum of \$100,000.
  - b. If the required security or bond amount totals over \$100,000, more than one instrument not exceeding \$100,000 each and issued by different financial institutions which meet the requirements of this subsection shall be accepted. (HAR 3-122-222)

All documentation provided to the Department agency shall contain the original signatures signed in ink. (HAR 2-122-222, 3-122-223). Unless it is determined that a failure to provide bid security is non-substantial, all bids required to be accompanied by bid security that fail to have the appropriate bid security shall be rejected. Bid deposit form is attached hereto as Exhibit A. (Auth. 3-122-222; 3-122-223 HAR).

## **2.10 PUBLIC OPENING OF BIDS**

Bids shall be opened and read publicly, at the time and place indicated in the Notice to Bidders. Bidders or their authorized agents may be present.

Bidders may request for nondisclosure of trade secrets and other proprietary data in writing. Confidential material shall be readily separable from the bid in order to facilitate public inspection of the nonconfidential portion of the bid: The Contracting Officer shall determine the validity of the request for nondisclosure. (Auth: 3-122-30, HAR)

## **2.11 RECEIPT AND REGISTRATION OF PROPOSALS**

Proposals and modifications shall be time-stamped upon receipt and held in a secure place by the procurement officer until the established due date. Proposals and modifications shall not be opened publicly, but shall be opened in the presence of two (2) or more County officials. Proposals and modifications shall be shown only to members of the evaluation committee and Department personnel or their designees having legitimate interest in them. (Auth: 3-122-51, HAR).

## **2.12 EXAMINATION OF PLANS, SPECIFICATIONS, SPECIAL PROVISIONS AND SITE**

Offerors shall examine the site of the proposed work and the provisions of the contract, including but not limited to the proposal, addenda, bond forms, bid form, special provisions, plans and specifications before submitting a bid or proposal. The submission of a bid or proposal shall be considered conclusive evidence that the offeror has made such examination; knows the surface and subsurface conditions of the site, the character, quality and quantities of labor, materials and equipment and other requirements necessary under the contract; and agrees to all and every item, covenant, condition and provision of the contract.

Where investigation of subsurface conditions has been made by the Department, in respect to foundation or other design, offerors may inspect the records of the Department as to such investigation and examine any sample that may be available.

Investigations of subsurface conditions are made for the purpose of design, and the Department assumes no responsibility whatsoever as to the sufficiency or accuracy of borings or of the log of test borings or reports or other investigations, or of the interpretation thereof, and there is no guaranty, either expressed or implied, that the conditions indicated are representative of those to be encountered during the performance of the contract, or any part thereof, or that the bidder or proposer may not encounter unforeseen subsurface conditions.

Making information concerning subsurface conditions available to bidders or proposers is not to be construed in any way as a waiver of the provisions of the first paragraph of this subsection and bidders or proposers must satisfy themselves through their own investigation as to conditions to be encountered.

Records of such investigations as may have been made by the Department may be inspected at the Department of Water.



## 2.13 TRADE NAMES AND ALTERNATIVES

**Before Bid or Proposal Opening.** When the plans or specifications specify one (1) or more manufacturers' brand names or makes of materials, devices or equipment or system indicating a quality style, appearance or performance, such specifications shall be deemed to be used for the purpose of establishing a standard of quality and to facilitate the description of the material or process desired and shall be deemed to be followed by the words "or equal". The offeror shall base his or her offer on either one of the specified brands or an alternate brand which the Contracting Officer has approved to be equal or better by way of addendum to such specification and/or plans. If an offeror intends to base his or her offer on an alternate brand, unless otherwise specified, he or she shall submit a written request to do so, to the Contracting Officer at the earliest date possible, but no later than ten (10) calendar days as evidenced by the time-stamp of the Department, before the day fixed for the opening of offers.

The burden of proof as to the comparative quality and suitability of alternative equipment, articles or materials shall be upon the offeror and he or she shall furnish, at his or her own expense, such information relating thereto as may be required by the Contracting Officer. The Offeror shall issue a statement of variances that lists all features of the proposed substitution which differ from the plans, specifications and/or product(s) specified and must certify that the substitution has no other variant features. Should an unlisted variance be discovered after installation of the product, the remedy shall be immediate replacement with a specified product at no cost to the Department. The Contracting Officer shall be the sole judge as to the comparative quality and suitability of alternative equipment; articles or materials and his or her decisions shall be final.

Any offeror, who bases his or her offer on an alternate brand which has been approved by the Contracting Officer, shall include in his or her offer the additional cost required for all modifications in the contract and the cost of all additional diagrams and drawings required to accommodate the alternate equipment. The modifications referred to include the changes in design that may be required for such work as, but not limited to, electrical, plumbing and other waterworks facilities.

## 2.14 PREFERENCES

- A. All offers shall comply with the preferences, as applicable, outlined in HAR 3-124, including but not limited to Hawai'i Products Preference and Recycled Products Preference, and the Apprenticeship Program Preference laid out in Section 103-55.6, Hawai'i Revised Statutes, as enacted by S.B. 19, Act 17, SLH 2009, and the State of Hawai'i Comptroller's Memorandum 2011-25 as amended, which provides for a Hawai'i Apprenticeship Preference for public works construction projects with estimated values of \$250,000 or greater.
- B. This subsection shall not apply whenever its application will disqualify the Department from receiving Federal funds or aid.

## 2.15 MODIFICATION OR WITHDRAWAL OF OFFERS

- A. **Pre-opening Modification or Withdrawal of Offers.**

Offers may be modified or withdrawn at any time prior to the time fixed in the notice to offerors for opening of offers, or if applicable, prior to the date at which the Best and Final Offer is due.

An offeror may withdraw his or her offer by: (1) a written notice received by the Department, or (2) a notice sent by facsimile machine to the Department.

A offeror may modify his or her offer by: (1) a written notice accompanying the actual modification received by the Department, stating that a modification to the offer is submitted, or (2) a written notice accompanying the actual modification by facsimile to the Department, provided the offeror submits the actual written notice and modification within two (2) working days of receipt of the facsimile. (Auth: 3-122-16.07, HAR)

**B. Late Offers, Late Withdrawals and Late Modifications.**

Any notice of withdrawal or notice of modification of any offer with the actual modification received by the Department after the time and date set for receipt and opening is late and shall not be considered for award except when received before contract award and would have been timely but for the action or inaction of personnel within the Department. (Auth: 3-122-16.08, HAR)

C. After the established due date for offers, an offer may be withdrawn only if the Department fails to award the contract within ninety (90) calendar days after the established due date for offers.

## **2.16 LISTING OF JOINT CONTRACTORS AND SUBCONTRACTORS**

Pursuant to Section 103D-302, HRS, as amended, all offerors shall state in their bids the name of each person or firm that will be engaged as a joint venture, partner, or subcontractor and the nature and scope of the work to be performed by each such joint venture, partner, or subcontractor. All bids which do not comply with this requirement shall be rejected pursuant to Sec. 103D-302(b), H.R.S.

### **MANDATORY LICENSING REQUIREMENT:**

“A” general engineering contractors and “B” general building contractors are reminded that due to the Hawai‘i Supreme Court’s January 28, 2002 decision in Okada Trucking Co., Ltd. v. Board of Water Supply, et al., 97 Haw. 450 (2002), they are prohibited from undertaking any work, solely or as part of a larger project, which would require the general contractor to act as a specialty contractor in any area in which the general contractor has no license. Although the “A” and “B” contractor may still bid on and act as the “prime” contractor on an “A” or “B” project (See, HRS § 444-7 for the definitions of an “A” or “B” project.), respectively, the “A” and “B” contractor may only perform work in the areas in which they have the appropriate contractor’s license (An “A” or “B” contractor obtains “C” specialty contractor’s license either on its own, or automatically under HAR § 16-77-32.). The remaining work must be subcontracted out to appropriately licensed entities. **It is the sole responsibility of the contractor to review the requirements of this project and determine the appropriate licenses that are required to complete the project.**

Although the bid documents may provide a list of the contractor licenses that the County anticipates are required to complete this particular project, this list is not all inclusive and additional licenses may be required. If a specialty license/class is required to complete the scope of work and the contractor does not list said license(s), the contractor may have their bid rejected as non-responsive. Examples of specialty license/classes that should be listed are licensed surveyor, licensed geotechnical engineer, licensed structural engineer, licensed civil engineer, specialty inspectors, archaeologist, and cultural monitor.

The contractor shall be responsible under the contract for acts and omissions of his or her subcontractors, suppliers and persons either directly or indirectly employed by them, as fully as he or she is for acts and omissions of his or her own employees. Nothing in the contract shall create any contractual relation between any subcontractor, partner, joint venture or supplier and the Department or any obligation on the part of the Department to pay or cause to be paid any money to any subcontractor or supplier.

## **2.17 BIDS, DISQUALIFICATION OF**

A. Bids which are conditional or not in compliance with the bidding instructions may be rejected.

**Multiple or alternate offers.** Unless specifically provided for in the solicitation, multiple or alternate offers shall not be accepted and all such offers shall be rejected (HAR 3-122-4)

B. Bids may be rejected for the following reasons including, but not limited to:

1. Bidder determined to be “nonresponsive,” pursuant to Subchapter 13, HAR. (Auth: 3-122-97, HAR); or
2. The bid is “not responsive”. Bid does not conform in all material respects to the invitation for bids by reason of its failure to meet the requirements of the specifications or permissible alternates or other acceptability criteria set forth in the invitation for bid pursuant to section 3-122-33 HAR. (Auth: 3-122-97, HAR); or
3. The good, service, or construction item offered in the bid is unacceptable because of its failure to meet the requirements of the specifications or permissible alternatives or other acceptability criteria set forth in the invitation for bids under the provisions of Sec. 3-122-33, HAR. (Auth: 3-122-97, HAR)
4. Bid submitted by any person submitting more than one (1) bid under the same or different names, under his or her own name, or through his or her agents, or through joint ventures, partnerships or corporations in which he has more than twenty-five percent (25%) interest in each of them, or through any contractor thereof.

If there is any evidence indicating that two (2) or more bidders are in collusion to restrict competitive bidding, the bids of all such bidders shall be

rejected and such evidence may be a cause for the disqualification of the participants in any future proposal involving any contract with the Department.

5. Any offer which is conditioned upon receiving award of both the particular contract being solicited and another Department contract. (Auth: 3-122-6, HAR)

## **2.18 PROPOSAL, DISQUALIFICATION OF**

- A. A proposal may be accepted with modification or correction unless the solicitation states otherwise.
  1. This allowance must be considered in determining whether reasons exist for rejecting all or any part of a proposal.
  2. A proposal may be rejected for reasons including but not limited to:
    - a. The offeror is nonresponsible pursuant to Subchapter 13, HAR. (Auth.: 3-122-97)
    - b. The proposal, after any opportunity has passed for modification or clarification, fails to meet the announced requirements of the agency in some material respect; or
    - c. The proposed price is clearly unreasonable.

## **2.19 OFFEROR LIMITED ACCEPTANCE**

- A. An offeror may not limit acceptance to the entire bid or proposal offering, unless allowed by the solicitation:
  1. If the acceptance of an offer is so limited by the offeror but not allowed, the offer will be determined to be not acceptable and rejected.
  2. If the acceptance of an offer is so limited by the offeror and allowed, the purchasing agency shall not reject part of the offer and award on the remainder. (3-122-97 HAR)

## **2.20 MISTAKES IN BIDS**

- A. A bidder may correct, waive or withdraw an obvious mistake in his or her bid to the extent it is not contrary to the best interest of the Department or to the fair treatment of other bidders.
- B. Before Bid Opening. A bidder may remedy a mistake in a bid discovered before the time fixed in the notice to bidders for opening of bids by withdrawing or correcting the bid as provided in subsection 2.15 of these General Provisions.

C. After Bid Opening But Prior to Award.

1. A mistake in a bid discovered after bid opening but prior to award may be corrected or waived if:
  - a. The mistake is attributable to an arithmetical error, the Contracting Officer shall so correct the mistake. In case of error in extension of bid price, unit price shall govern.
  - b. The mistake is a minor informality which shall not affect price, quantity, quality, delivery, or contractual conditions, the Contracting Officer may waive such informalities or allow the bidder to request correction by submitting proof of evidentiary value which demonstrates that a mistake was made. The Contracting Officer shall prepare a written approval or denial in response to this request. Examples of such mistakes include:
    - (1) Typographical errors;
    - (2) Failure to return the number of signed bids required by the invitation for bids;
    - (3) Failure to acknowledge receipt of an amendment to the Invitation for Bids, but only if:
      - (a) It is clear from the bid that the bidder received the amendment and intended to be bound by its terms; or
      - (b) The amendment involved had a negligible effect on price, quantity, quality or delivery;
    - (4) Arithmetical errors;
    - (5) Transposition errors;
    - (6) Failure of a bidder to sign the bid, but only if the unsigned bid is accompanied by other material indicating the bidder's intent to be bound.
2. A mistake in a bid discovered after bid opening but prior to award may be withdrawn if the mistake is attributable to an obvious error which shall affect price, quantity, quality, delivery, or contractual conditions, provided:
  - a. The bidder requests withdrawal by submitting proof of evidentiary value which demonstrates that a mistake was made; and
  - b. The Contracting Officer prepares a written approval or denial in response to this request. (Auth: 3-122-31 HAR).

D. After Award.

A mistake in a bid discovered after award is not permissible except when the Manager makes a written determination that it would be unreasonable not to allow the mistake to be remedied. (Auth: 103D-302, HRS, 3-122-31, HAR)

## **2.21 DISCUSSIONS WITH OFFERORS-REQUEST FOR PROPOSALS**

- A. The Department may hold discussions with priority listed offerors in order to promote understanding of the Department's requirements and priority-listed offeror's proposals; and
- B. To facilitate arriving at a contract that will provide the best value to the Department, taking into consideration the evaluation factors set forth in the request for proposals.
- C. Proposals may be accepted on evaluation without discussion.
- D. Any substantial oral clarification of a proposal shall be reduced to writing by the priority-listed offeror;
- E. If during discussions there is a need for any substantial clarification or change in the request for proposals, the request for proposals shall be amended by an addendum to incorporate the clarification or change
- F. Addenda to the request for proposals shall be distributed only to priority-listed offerors.
  - 1. The priority-listed offerors shall be permitted to submit new proposals or to amend those submitted;
  - 2. If in the opinion of the procurement officer or the evaluation committee, a contemplated amendment will significantly change the nature of the procurement, the request for proposals shall be canceled and a new request for proposals issued.

## SECTION 3 - AWARD AND EXECUTION OF CONTRACT

### 3.1 AWARD OF CONTRACT

No contract shall be awarded to any person suspended under, and as provided in, the provisions of Chapters 104 and 444, HRS, as amended and any federal law if federal funds are used in the contract, or to any firm in which such suspended person as an interest.

**A. Bids.**

Award of contract, if made, shall be made to the lowest responsive, responsible bidder, whose bid meets the requirements and criteria set forth in the invitation for bids. (Auth: 3-122-33, HAR)

**B. Proposals.**

Award of contract, if made, shall be made to the responsible offeror whose proposal is determined in writing to provide the best value to the Department taking into consideration price and the evaluation criteria in the request for proposals. (Auth: 3-122-57, HAR)

### 3.2 CANCELLATION OF SOLICITATION OR AWARD

The Contracting Officer reserves the right to reject any and all offers and to waive any defect as, in his or her judgment may be in the best interest of the Department.

The Manager reserves the right to cancel the award of a contract at any time before a contract is executed by the Department and the contractor.

### 3.3 FUNDS, AVAILABILITY OF

**A. Department of Water Funds.**

No contract award shall be binding or of any force and effect without an endorsement by the Waterworks Controller certifying that there is an appropriation sufficient to cover the amount of the contract; provided that if the contract is a multi-term contract, the Waterworks Controller shall only be required to certify that there is an appropriation or balance of an appropriation sufficient to cover the amount required to be paid under the contract during the fiscal year or remaining portion of the fiscal year of each term of the multi-year contract.

This section shall not apply to any contract under which the total amount to be paid to the contractor cannot be accurately estimated at the time the contract is to be awarded. (Auth.: 103D-309 HRS).

**B. State and/or Federal Funds.**

A contract which is supplemented by state and/or federal funds, Section 3.3(A) above shall be applicable only to that portion of the contract price as is payable out of Board funds. As to the portion of the contract price as is expressed in the contract to be payable out of federal funds, the contract shall be construed to be an agreement to pay the portion to the contractor, only out of state and/or federal funds to be received from the state and/or federal government when the state and/or federal

funds are so received by the Board and shall not be construed as a general agreement by the Department to pay said portion out of any funds other than those which are received from the estate and/or federal government. This subsection shall be liberally construed so as not to hinder or impede the County in contracting for any project involving financial aid from the federal government. (3-122-109, HAR)

**C. Contracts Utilizing One-Hundred Percent (100%) Federal Funds.**

A contract which is funded one-hundred percent (100%) by federal funds shall be construed as an agreement to pay the contract price only out of federal funds to be received by the Department from the federal government when the federal funds are so received by the Department and shall not be construed as a general agreement to pay such amount at all events out of any funds other than those which are received from the federal government. (HRS 103D-309(b))

### **3.4 ENTERING INTO CONTRACT**

Upon award of the contract to an offeror, such offeror shall enter into the contract by signing the contract and by furnishing bonds for faithful performance and payment as prescribed in the invitation for bid or proposal, copies of certificates of insurance and endorsements demonstrating compliance with the insurance policies required to be procured by the contractor and subcontractor and tax clearances prescribed in subsection 3.5 within fifteen (15) calendar days after the date the contract has been mailed to the contractor or within such further time as the Manager may allow after the offeror has received the contract for execution.

If the offeror to whom the contract is awarded fails or neglects to enter into the contract and furnish bonds, as prescribed in subsection 3.6, and the copies of certificates of insurance as required by contract, the bid security which accompanied the offer pursuant to subsection 2.9 shall be forfeited or in the case where such bid security was in the form of a surety bond, the proceeds representing the bid security shall be collected under the surety bond and the amount so forfeited or collected shall be paid to the Department. Upon such failure or neglect, the Contracting Officer may award the contract to the next lowest responsible bidder or the next responsible proposer whose proposal is determined to provide the best value to the Department, or publish another call for bids or proposals as, in his or her judgment, may be in the best interests of the Department.

### **3.5 RESPONSIBILITY OF OFFERORS AND TAX CLEARANCE**

Upon award of the contract, HRS 103D-310 specifies that all Offerors shall comply with all laws governing entities doing business in the State, including, but not limited to HRS Chapters 237, 383, 386, 392, and 393.

In addition, pursuant to HRS 103D-328 and HRS 103-53, no contract shall be binding or effective until the purchasing agency confirms tax clearance from the director of taxation and the Internal Revenue Service. The Offeror shall provide updated tax clearances as required by the Director of Finance to comply with HRS Section 103-53, as amended.

The offeror, as proof of compliance with the requirements of section 103D-310(c), HRS, upon award of a contract shall submit, with the contract signed by the offeror, to the



Department verification using Hawai'i Compliance Express for the following requirements:

- A. A tax clearance from the director of taxation and the Internal Revenue Service, current within six (6) months of issuance date, to the effect that all tax returns due have been filed, and all taxes, interest, penalties levied or accrued under the provisions of Title 14 that are administered by the Department of Taxation and under the Internal Revenue Code against the contractor have been paid; and
- B. A certificate of compliance for chapters 383 (Hawai'i Employment Security Law), 386 (Worker's Compensation Law), 392 (Temporary Disability Insurance Law), and 393 (Prepaid Healthcare Act), HRS from the department of labor and industrial relations, current within six months of issuance date; and
- C. A certificate of good standing from the business registration division of the department of commerce and consumer affairs, current within six months of issuance date.

The offeror shall provide updated tax clearances as required by the Contracting Officer to comply with Section 103-53, HRS, as amended.

### **3.6 PERFORMANCE AND PAYMENT BONDS**

- A. Performance and payment bonds shall be required for construction contracts procured through the IFB or RFP process:
  - 1. When the contract price is \$25,000 or more (Act 173, SLH 2012); and
  - 2. When the contract price is less than \$25,000 and is required by the Manager.
  - 3. Federally funded contracts wherein the conditions of the funding requires a performance or payment bond or both.
- B. Performance and payment bonds shall be required for construction contracts procured through the Small Purchase Method (HRS 103D-305):
  - 1. When the contract price is \$50,000.00 or over.
- C. The amount of the performance and payment bonds, when required, shall be in an amount equal to one-hundred percent (100%) of the contract price.
- D. Performance and payment bonds, shall be delivered by the contractor to the Department when the contract is executed. If the contractor fails to deliver the required performance and payment bonds, the contractor's award shall be canceled, the contractor shall be subject to a claim by the Board for all resulting damages its bid security enforced, and award of the contract shall be made to the next lowest offeror pursuant to Subchapter 11, HAR. (Auth: 3-122-224, HAR)

Acceptable forms of performance and payment bonds. Acceptable performance and payment bonds shall be limited to:

1. Surety bond underwritten by a company licensed to issue bonds in the State of Hawai'i;
  2. Legal tender of the United States of America; or
  3. A certificate of deposit; share certificate; or cashier's, treasurer's, teller's, or official check drawn by, or a certified check accepted by a bank, savings institution, or credit union insured by the United States Federal Deposit Insurance Corporation or the National Credit Union Administration and payable at sight or unconditionally assigned to the Department.
    - a. These instruments may be utilized only to a maximum of \$100,000.
    - b. If the required security or bond amount totals over \$100,000, more than one instrument not exceeding \$100,000 each and issued by different financial institutions which meet the requirements of this subsection shall be accepted. (Auth: 3-122-222, HAR)
- E. The Department shall not pay interest on any security provided.
- F. All alterations, extensions of time, extra and additional work and other changes authorized in the specifications or in any part of the contract may be made without securing the consent of the surety or sureties on the performance and payment bonds.
- G. Surety shall be subject to the approval of the Contracting Officer and shall be required to justify, as prescribed by law, provided that the Contracting Officer in his or her discretion may require each surety to justify in the prescribed amount at any time. If the surety is found to be insufficient, the contractor shall furnish a new bond with sufficient surety within ten (10) calendar days after the day it is notified of the insufficiency or within such further time as the Manager may allow in writing.
- H. Performance and payment bond forms are attached hereto as Exhibits.
- I. Every person who has furnished labor or material to the Contractor for the work provided in the contract for which a payment bond or a performance and payment bond is furnished under this section, and who has not been paid amounts due before the expiration of a period of ninety days after the day on which the last of the labor was performed or material was furnished or supplied, for which a claim is made, may institute an action for the amount, or balance thereof, unpaid at the time of the institution of the action against the Contractor or Contractor and its sureties, on the payment bond and have their rights and claims adjudicated in the action, and judgment rendered thereon; subject to the City's priority on the bond. As a condition precedent to any such suit, written notice shall be given by registered or certified mail to Contractor and surety, within ninety days from the date on which the person did or performed the last labor or furnished or supplied the last of the material for which claim is made, stating with substantial accuracy the amount claimed and the name of the party to whom the material was furnished or supplied or for whom the

labor was done or performed.

- J. Every suit instituted upon a payment bond shall be brought in the circuit court of the circuit in which the project is located, but no suit shall be commenced after the expiration of one year after the day on which the last of the labor was performed or material was supplied for the work provided in the contract. The obligee named in the bond need not be joined as a party in any suit.
- K. If the full amount of the liability of the Contractor or the Contractor and its sureties on the security is insufficient to pay the full amount of the claims, then, after paying the full amount due the City, the remainder shall be distributed pro rata among the claimants. [HAR 3-122-227]
- L. Certified copies of bonds may be requested and obtained by any person upon payment of the costs of reproduction and certification of the bonds, and postage. A certified copy of a bond shall be prima facie evidence of the contents, execution, and delivery of the original. [HAR 3-122-228]
- M. Contracts with Federal funds. In addition to the requirements of this section, whenever a contract is partially or fully funded with Federal funds, the surety companies shall be those listed in the latest issue of the U. S. Treasury Circular 570.

### **3.7 CAMPAIGN CONTRIBUTIONS BY STATE AND COUNTY CONTRACTORS**

If awarded a contract in response to this solicitation, offeror agrees to comply with HRS §11-355, which states that campaign contributions are prohibited from a State and county government contractor during the term of the contract if the contractor is paid with funds appropriated by the legislative body between the execution of the contract through the completion of the contract. Questions regarding this statute should be directed to State of Hawai‘i Campaign Spending Commission.

### **3.8 EMPLOYMENT OF STATE RESIDENTS ON CONSTRUCTION PROCUREMENT CONTRACTS**

Bidders are advised of the applicability of Act 68, SB 2840, HRS Section 103B, Employment of State Residents on Construction Procurement Contracts, (2010) (“Act 68”). Act 68 requires the awarded contractor to ensure that Hawai‘i Residents (as defined in the Act) compose not less than eighty percent of the workforce employed to perform the contract. This requirement shall also apply to subcontracts of \$50,000 or more in connection with any construction contract procured under HRS Chapter 103D, HRS § 103D-305 (small purchases), or if there is a conflict with any federal law as further detailed herein under “Conflict with Federal Law.” See Exhibit O.

### **3.9 HAWAII PROCUREMENT LAW**

If any provision in this General Provisions is in conflict with any provision in the Hawai‘i Administrative Rules, Chapter 103D and 103, HRS, the provisions of the Hawai‘i Administrative Rules, Chapter 103D and 103, HRS shall control and supersede the provisions in this General Provisions.

## **SECTION 4 - LEGAL RELATIONS AND RESPONSIBILITY**

### **4.1 AUTHORITY OF THE CONTRACTING OFFICER**

The Contracting Officer shall decide all questions which may arise relating to the quality and acceptability of the materials furnished and work performed, the manner of performance and rate of progress of the work, the interpretation of the plans and specifications, the acceptable fulfillment of the contract on the part of the Contractor, the compensation under the contract and the mutual rights of the parties to the contract.

The Contracting Officer shall have the authority to enforce and make effective such decisions and orders which the Contractor fails to carry out promptly and diligently.

The Contracting Officer shall have the authority to suspend the work wholly or in part due to the failure of the Contractor to correct conditions unsafe for the workers or the general public; for failure to carry out provisions of the contract; for failure to carry out orders; for such periods as he may deem necessary due to unsuitable weather; for conditions considered unsuitable for the prosecution of the work or for any other condition or reason deemed to be in the public interest.

### **4.2 INDEPENDENT CONTRACTOR**

- A. The contractor shall perform the contract as an independent contractor and shall defend, indemnify and hold harmless the Department, Board, its officer, agents, and employees from and against all claims, damages, losses, liability, and expenses, including but not limited to attorney's fees, court costs, or other alternative dispute resolution costs arising out of, resulting from, or otherwise but for the performance or furnishing of work or services under the contract for any injury, death or damages to persons or property arising out of the performance of the contract; but only to the extent caused in whole or in part by the actual or alleged acts, errors, or omissions of the Contractor, Contractor's subcontractor(s), or anyone directly or indirectly employed or hired by the Contractor or anyone for whose acts Contractor may be liable.
- B. The obligations of the contractor under Subparagraph A above shall not extend to the liability of the Department, Board, and its officers and employees because of negligence in (1) the preparation of maps, plans, drawings, land surveys, designs or specifications, or (2) the giving of directions or instructions with respect to the requirements of the contract by written order; provided that such giving of directions or instructions is the primary cause of the injury or damage.
- C. The contractor shall defend, indemnify and save the Department, Board, its officers, agents, and employees harmless from any and all claims for infringement by reason of the use of any patented design, device, process or material, in connection with work to be performed under the contract.

All royalties due or becoming due for the use of any patented design, devices, process or material used in connection with the work performed under the contract shall be paid by the contractor, and shall be held to be included in the contract price.

- D. The contractor shall agree to defend, indemnify and save harmless the Department against any and all deaths, injuries, losses and damages to persons or property, and any and all claims, demands, costs, liabilities, suits, judgments, actions or proceedings of every name, character and description which may be suffered or incurred by or brought against the Department to the extent arising from contractor's negligent performance of his or her duties and responsibilities pursuant to this contract except where said liability, loss or damage results solely from the negligence or misconduct of Department, Board, its employees or representatives.

### **4.3 LAWS, REGULATIONS**

The contractor shall at all times keep himself fully informed, of all future and present Federal, State, County, and Department laws, ordinances, policies, rules and regulations which affect the contract and the performance thereof, including but not limited to:

- A. Chapter 103, HRS, relating to expenditure of Public Money and Public Contracts.
- B. Chapter 103D, HRS, relating to the Hawai'i Public Procurement Code.
- C. Chapter 104, HRS, relating to Wages and Hours of Employees on Public Works.
- D. Chapter 321, HRS, relating to Health Department.
- E. Chapter 377, HRS, relating to Hawai'i Employment Relations Act.
- F. Chapter 378, HRS, relating to Employment Practices.
- G. Chapter 383, HRS, relating to Hawai'i Employment Security Law.
- H. Chapter 386, HRS, relating to Worker's Compensation Law.
- I. Chapter 387, HRS, relating to Wage and Hour Law.
- J. Chapter 388, HRS, relating to Payment of Wages and Other Compensation.
- K. Chapter 390, HRS, relating to Child Labor Law.
- L. Chapter 396, HRS, relating to Occupational Safety and Health.
- M. Chapter 444, HRS, as amended, relating to licensing of contractors.

The contractor shall comply with all such present and future laws, regulations, and ordinances, including the giving of all notices necessary and incident to the performance of the contract. If any discrepancy or inconsistency is discovered between the contract and any such law, regulation or ordinance, the contractor shall forthwith report the same in writing to the Contracting Officer.

#### **4.4 PERMITS, LICENSES**

The contractor shall obtain all permits, licenses and approvals required by the Department, County, State, or Federal Government, for the execution of the contract, and pay all charges and fees therefore including, but not limited to overtime inspection, cost of preparation of documents, and any and all other costs associated with attaining required permit approvals.

#### **4.5 NO PERSONAL LIABILITY**

Neither the Contracting Officer nor the Board nor any other officer or employee of the Department, in the performance of their duties, shall incur personal liability to the contractor for any action taken in good faith.

#### **4.6 COORDINATION OF SPECIAL PROVISIONS, PLANS, SPECIFICATIONS, GENERAL PROVISIONS, WATER STANDARDS, AND OTHER PARTS OF THE CONTRACT DOCUMENTS**

The special provisions, plans, specifications, general provisions, Water Standards, contract documents and all supplemental documents are essential parts of the contract, and a requirement occurring in one is as binding as though occurring in all. They are intended to be complementary and to describe and provide for the complete work. In case of conflict or discrepancy within any part of the contract, the stricter requirements, including Hawai'i State Statutory requirements, shall govern. Unless it is apparent that a different order of precedence is intended, the following is the precedence list with 1 taking precedence over two, two taking precedence over three, etc.:

1. Special Provisions
2. Plans
3. Specifications/Request for Proposals
4. Agreement Documents
5. General Provisions
6. Water Standards
7. Other Agency Standards

Instructions to offerors, addendas and the pre-bid or pre-proposal meeting minutes are hereby incorporated by reference and made a part of the Special Provisions.

#### **Hawaii Standard Specifications for Road, Bridge and Public Works Construction, 2005.**

Unless otherwise specified, the means and methods of Hawai'i Standard Specifications for Road, Bridge and Public Works Construction, 2005, as amended, shall govern the requirements for construction within all State and County roadway rights-of-way.

## SECTION 5 - SCOPE OF CONTRACT

### 5.1 SCOPE OF CONTRACT

The scope of the contract encompasses the contractor's furnishing of, and payment for, all labor, supervision, skills, materials, tools, transportation, equipment and apparatus, and all incidentals necessary to perform all the work and do all the things necessary in accordance with the provisions of the contract documents by the contractor. See Sample Contract attached hereto as Exhibit J.

### 5.2 REQUESTS FOR INFORMATION

A. **Request for Information (RFI)** - An RFI is a written request, using attached Form Exhibit P from the contractor to the Contracting Officer, seeking an interpretation or a clarification of some requirement of the contract documents. The contractor shall clearly and concisely set forth the issue for which they seek clarification or interpretation and why a response is needed from the Department. The Contractor shall, in the RFI, set forth their interpretation or understanding of the requirement including reasons why they have reached such an understanding. Responses from the Department will not change any requirement of the contract documents unless so noted in the RFI Response by the Department.

1. The following is a non-exhaustive list of what shall NOT be accepted as an RFI:
  - a. Submittals for clearly identifiable items that should have been addressed pre-bid.
  - b. Numerous and excessive RFIs that are meant to overwhelm the Department.
  - c. Proposal for alternative construction methods or substitute items.
  - d. RFIs that are meant to address construction means and methods or site safety.
2. RFIs can only be submitted by the Contractor. Submittals by subcontractors shall be rejected outright.
3. Each RFI shall be limited to a single subject of inquiry.
4. All RFIs shall be accompanied by a lowest-cost suggested solution from the Contractor.
5. All RFIs shall include the necessary attachments and exact references. When applicable, references to design drawing numbers and specification sections and a graphic depiction of the resolution shall accompany the RFI.

6. RFIs that fail to conform to these requirements will be rejected at no fault to the Department.

B. **Response to RFI**

Response to an RFI shall be issued within ten (10) working days of receipt of the request from the contractor unless the Contracting Officer determines that a longer period of time is necessary to provide an adequate response. If a longer period of time is determined necessary by the Contracting Officer, the Contracting Officer will, within ten (10) working days of receipt of the RFI, notify the contractor of the anticipated response time.

1. The ten (10) working days referred to herein will start on the date stamped “Received” by the Department and ends on the date stamped “Sent” by the Department.
2. If the contractor submits a RFI on a schedule activity within ten (10) working days or less of float on a current project schedule, the contractor shall not be entitled to any time extension due to the time it takes the Department to respond to the request provided that the owner responds within ten (10) working days set forth above.
3. Responses to RFIs that require revisions to drawings and specifications should be incorporated into the design drawings concurrent with the processing of the RFI.

- C. Responses from the Department will not change any requirement of the contract documents unless so noted by the Department in the response to the RFI. In the event the Contractor believes that a response to a RFI will cause a change to the requirements of the contract document, the contractor shall provide written notice to the owner in accordance with the requirements of Section 5.3 of this Document. Failure to provide such written notice shall waive the contractor’s right to seek additional time or cost as laid out in Section 5.3 of this Document.

### 5.3 MODIFICATIONS TO THE WORK

A. **Oral Directive.**

Any directive, direction, instruction, interpretation or determination through oral order, or email (“oral directive”) from the Contracting Officer, which, in the opinion of the contractor, causes any change, can be considered as a change only if the contractor gives the Contracting Officer written notice of its intent to treat the oral directive as a change directive. The written notice must be delivered to the Contracting Officer before the contractor acts in conformity with the oral order, direction, instruction, interpretation or determination, but not more than five days after delivery of the oral order to the contractor. The written notice shall state the date, circumstances, whether a time extension will be requested, and source of the order that the contractor regards as a change. The written notice may not be waived and shall be a condition precedent to the filing of a claim by the contractor. Unless the contractor acts in accordance with this procedure, any oral directive shall not be treated as a change and the contractor waives any claim for an increase in the



contract time or contract price related to the work.

B. **Change Order.**

The Contracting Officer, at any time, and without notice to any surety, in a signed writing designated or indicated to be a change order, may unilaterally make changes in the work within the scope of the contract as may be found to be necessary or desirable and may unilaterally make changes in the time of performance of the contract that does not alter the scope of the contract work. Such changes shall not invalidate the contract or release the sureties, and the contractor will perform the work as changed, as though it had been part of the original contract. Minor changes in the work may be directed by the Contracting Officer at no change in contract price or time. Change Order form is attached hereto as Exhibit K.

1. Adjustment of price or time for performance. If any change order increases or decreases the contractor's cost of, or the time required for, performance of any part of the work under this contract, whether or not changed by the order, an adjustment shall be made and the contract modified in writing accordingly. Any adjustment in contract price made pursuant to this clause shall be determined in accordance with the price adjustment clause of this contract or as negotiated.
2. Failure of the parties to agree to an adjustment shall not excuse a contractor from proceeding with the contract as changed, provided that the Contracting Officer, within fourteen (14) calendar days after the changed work commences, makes such provisional adjustments in time for the direct costs of the work as the Contracting Officer deems reasonable.
3. Quotations for modification of work shall be submitted expeditiously and in any case no later than ten (10) working days after receipt of the Department of Water's request. All quotations shall be accompanied by a detailed written statement setting forth all charges the Contractor proposes for the change, properly itemized, and supported by sufficient substantiating data to permit evaluation of charges. All quotations shall be accompanied by a statement as to the proposed change's effect on the project's completion date. If no condition is stipulated, the Department of Water will assume that the acceptance of the quotation will have no adverse effect on the project's completion date.
4. The Contracting Officer has up to twenty (20) days to make a final decision as to whether to accept the entire cost proposal or any discrete cost item contained within the cost proposal or the proposed adjustment to contract time by a contract change order.
5. The right of the contractor to dispute the contract price or time or both shall not be waived by the contractor performing the work, provided however, that the contractor follows the notice requirements for disputes and claims established by the contract or these provisions. Contract Modification Form is attached hereto as Exhibit L.

6. Time period for claim. Within thirty (30) calendar days after receipt of a written change order under subsection, unless such period is extended by the Contracting Officer in writing, the contractor shall file notice of intent to assert a claim for an adjustment. The requirement for timely written notice cannot be waived and shall be a condition precedent to the assertion of a claim.
7. Claim barred after final payment. No claim by the contractor for an adjustment hereunder shall be allowed if notice is not given prior to final payment under this contract.
8. No payment shall be allowed to the Contractor for pricing or negotiating proposed or actual changes. No time extension will be granted for delay caused by late Contractor pricing of changes or proposed changes.
9. Additional performance bond or payment bond may be required by the procurement officer for a contract change order or modification where the contract amount increases. (HAR 3-122-225)
10. Other Claims Not Barred. In the absence of such a change order, nothing in this clause shall restrict the contractor's right to pursue a claim arising under the contract or for breach of contract. (HAR 3-125-4)

#### **5.4 PRICE ADJUSTMENT**

- A. Any adjustment in contract price shall be made in one or more of the following ways:
  1. By agreement on a fixed price adjustment before commencement of the pertinent performance or as soon thereafter as reasonably practicable;
  2. By unit prices specified in the contract or subsequently agreed upon;
  3. By the costs attributable to the events or situations under such clauses with adjustment of profit or fee, all as specified in the contract or subsequently agreed upon before commencement of the pertinent performance;
  4. In such other manner as the parties may mutually agree; or
  5. In the absence of agreement between the parties, the provisions of HRS 103D-501(b)(5) shall apply.
- B. Submission of cost or pricing data. The contractor shall be required to submit cost or pricing data if any adjustment in contract price is subject to the provisions of section 103D-312, HRS. The submission of any cost or pricing data shall be made subject to the provisions of subchapter 15, chapter 3-122, HAR. A fully executed change order or other document permitting billing for the adjustment in price under any method listed shall be issued within ten (10) days after agreement on the method

of adjustment.

- C. Determining Adjustments in Price. In determining the adjustment in price to the Department resulting from a change, the allowances for all overhead and extended overhead resulting from adjustments to contract and profit combined, shall not exceed the percentages set forth below per Chapter 3-125, HAR:
1. For the contractor, for any work performed by its own labor forces, twenty percent (20%) of the cost;
  2. For each subcontractor involved, for any work performed by its own forces, twenty percent (20%) of the cost;
  3. For the contractor or any subcontractor, for work performed by their subcontractors, ten percent (10%) of the amount due the performing subcontractor.

Not more than three (3) line item percentages for fee and overhead, not to exceed the maximum percentages shown above, will be allowed regardless of the number of tier subcontractors.

- D. The Department, in determining an adjustment in price using any of the methods listed in 5.4 A (1-4) above may not mandate that the contractor submit its proposal for a price adjustment at a specified percentage that it unilaterally considers to be acceptable.
- E. Paragraphs C. and D., herein, shall not be construed to impair the right of the Contractor and the Department from mutually agreeing to a price adjustment under any method listed in 5.4 A (1-4).

## 5.5 DIFFERING SITE CONDITIONS

**Differing Site Conditions - Contractor's Responsibility.** Unless otherwise noted, the contractor accepts the conditions at the construction site as they eventually may be found to exist and warrants and represents that the contract can and will be performed under such conditions, and that all materials, equipment, labor, and other facilities required because of any unforeseen conditions (physical or otherwise) shall be wholly at the contractor's own cost and expense, anything in this contract to the contrary notwithstanding. (H.A.R. 3-125-11)

## 5.6 ASSIGNMENT, CHANGE OF NAME, NOVATION

- A. **No Assignment.**  
No Department contract is transferable, or otherwise assignable, without the written consent of the Manager; provided that a contractor may assign moneys receivable under a contract after due notice to the Department.
- B. **Recognition of a successor in interest; assignment.**  
When in the best interest of the Department, a successor in interest may be recognized in an assignment agreement in which the transferor and the transferee

and the Department shall agree that:

1. The transferee assumes all of the transferor's obligations;
2. The transferor remains liable for all obligations under the contract but waives all rights under the contract as against the Department; and
3. The transferor shall continue to furnish, and the transferee, shall also furnish all required bonds.

C. **Change of Name.**

When a contractor requests to change the name in which he or she holds a contract with the Department, the Manager shall, upon receipt of a document indicating such change of name (for example, an amendment to the articles of incorporation of the corporation), enter into an agreement with the requesting contractor to effect such a change of name. The agreement changing the name shall specifically indicate that no other terms and conditions of the contract are thereby changed. (Auth: 3-125-14, HAR)

## 5.7 VALUE ENGINEERING INCENTIVE

A. **Definitions** as used in this section:

“Net savings” means those savings in project costs realized by the Department as the result of a value engineering change proposal after deducting the contractor's share of the cost savings.

“Single contract” means the single construction for which the cost savings is proposed.

“Value engineering” means an analysis of the requirements for the systems, equipment, and supplies of the single contract for the purpose of achieving a net savings by providing less costly items than those specified without impairing any essential functions and characteristics as service life, reliability, substitutability, economy of operations, ease of maintenance, and necessary standing functions.

“Value engineering change proposal” means a cost reduction proposal based on value engineering submitted by the contractor pursuant to this chapter and particularly identified as such. (HAR §3-132-1)

B. **Applicability.**

1. The provisions of this chapter shall apply to all construction contracts in excess of \$100,000. The application of value engineering incentives to contracts shall not be construed to have an effect on the solicitation or the selection of the contractor.
2. The contractor may develop and submit value engineering change proposals for drawings, designs, specifications, or other requirements of the contract. If any proposal is accepted and approved, in whole or in part, by the

procurement officer, the contract shall be modified and shall include an equitable adjustment of the contract price in accordance with this section.

3. This section shall not apply to any cost reduction proposal that is not identified as a value engineering change proposal by the contractor at the time of its submission to the procurement officer. (HAR §3-132-2)

C. **Section provisions.**

1. The processing of a value engineering change proposal shall be similar to that for any proposed contract change order and shall be considered only after the construction contract is awarded.
2. Nothing herein shall be construed to mean that the Department must accept or approve any or all value engineering change proposals submitted in accordance with this section. The OIC's interpretation and findings relative to the impairment of the functions or characteristics of the item or items covered by the value engineering change proposal shall be final.
3. Adjustment in contract prices and allowances for implementation costs shall be in accordance with this section and shall only be considered if and when the value engineering change proposal is approved by the contract officer. The receipt of the value engineering change proposal by the Department or a verbal acceptance of a value engineering change proposal by any employee of the Department shall not obligate the Department to accept the value engineering change proposal.
4. The contract officer may impose, as a condition of acceptance of any value engineering change proposal, a requirement that the contractor warrant the statements, claims, and other information contained in the value engineering change proposal. In addition, the contractor's responsibility under any such warranty shall be in addition to the liability imposed by the "guarantee of work" requirement as included in the contract.
5. The contractor shall be responsible for the new design of the facility or a portion of the facility submitted as a value engineering change proposal, including errors and omissions and, if the value engineering change proposal is for a portion of the facility, for any adverse impacts the new design may have on the unchanged portions of the facility.

D. **Conditions for a value engineering change proposal.**

1. A value engineering change proposal to a contract shall:
  - a. Result in an estimated net savings to the Department in the project cost of at least four thousand dollars (\$4,000.00) by providing less costly items than or using different construction methods from those specified in the contract without impairing any essential functions and characteristics as service life, reliability, substitutability, economy of operation, ease of maintenance, and necessary standardized features of the completed work;

- b. Require, in order to be applied to the contract, a change order to the contract; and
  - c. Not adversely impact on the performance schedule or the contract completion date.
2. As a minimum, the following information shall be submitted by the contractor with each value engineering change proposal:
- a. A description of the difference between the existing contract requirements and the value engineering change proposal and the comparative advantages and disadvantages of each including durability, service life, reliability, substitutability, economy of operation, ease of maintenance, desired appearance, design, safety standards, impacts due to construction, and other essential or desirable functions and characteristics as appropriate;
  - b. An itemization of the requirements of the contract which must be changed if the value engineering change proposal is adopted and are commendation as to how to make each change;
  - c. An itemized estimate of the reduction in performance costs that will result from adoption of the value engineering change proposal or parts thereof taking into account the costs of implementation by the contractor, including any amounts attributable to subcontractors, and the basis for the estimate;
  - d. A prediction of any effects and impacts the value engineering change proposal would have on: other costs to the Department as the costs of Department-furnished property, related items, and maintenance and operation over the anticipated life of the material, equipment, or facilities as appropriate; the construction schedule, sequence and time; and bid item totals used for evaluation and payment purposes;
  - e. A statement of the time by which a change order adopting the value engineering change proposal must be issued so as to obtain the maximum cost reduction during the remainder of the contract, noting any effect on the contract time; and
  - f. If previously submitted, the date(s) of any previous submission(s), the contract number(s) of those contract(s) for which it was submitted and the previous action(s) by the Department, if known;
3. When, in the judgment of the Contracting Officer, a value engineering change proposal alters the design prepared by a registered professional architect or engineer, the contractor shall ensure the changes to be prepared are by or under the supervision of a registered professional architect or engineer, and stamped and so certified.

4. A value engineering change proposal will be processed expeditiously and in the same manner as prescribed for any other proposal which would likewise necessitate issuance of a contract change order. Unless and until a change order applies a value engineering proposal to a contract, the contractor shall remain obligated to perform in accordance with the terms of the contract and the Department shall not be liable for delays incurred by the contractor resulting from the time required for the Department's determination of the acceptability of the value engineering change proposal. The determination of the procurement officer as to the acceptance of any value engineering change proposal under a contract shall be final.
5. The Contracting Officer may accept in whole or in part any value engineering change proposal submitted pursuant to this section by issuing a change order to the contract. Prior to issuance of the change order, the contractor shall submit complete final contract documents similar to those of the original contract showing the accepted changes and the new design and features as well as the following:
  - a. Design calculations;
  - b. The design criteria used; and
  - c. A detailed breakdown of costs and expenses to construct or implement such revisions. The change order will identify the final value engineering change proposal on which it is based.
6. When a value engineering change proposal submitted pursuant to this section is accepted under a contract, an equitable adjustment in the contract price and in any other affected provisions of the contract shall be made in accordance with this section and the "change order" clause of the contract. The equitable adjustment shall first be established by determining the effect on the contractor's cost of implementing the change, including any amount attributable to subcontractors and to the Department's charges to the contractor for architectural, engineering, or other consultant services and the staff time required to examine and review the proposal. The contract price shall then be reduced by fifty per cent (50%) of the net estimated decrease in the cost of performance.
7. The contractor may restrict the Department's right to use the data or information or both on any sheet of a value engineering change proposal or of the supporting data, submitted pursuant to this section, if it is stated on that sheet as follows:

"This data or information or both shall not be disclosed outside the Department, or be duplicated, used, or disclosed, in whole or in part, for any purpose other than to evaluate this value engineering change proposal. This restriction does not limit the Department's right to use this data or information or both if obtained from another source, or is otherwise

available, without limitations. If this proposal is accepted by the Department by issuance of a change order to the contract after the use of this data or information or both in such an evaluation, the Department shall have the right to duplicate, use and disclose any data or information or both pertinent to the proposal as accepted, in any manner and for any purpose whatsoever, and have others so do”.

8. In the event of acceptance of a value engineering proposal, the Department shall have all rights to use, duplicate, or disclose in whole or in part, in any manner and for any purpose whatsoever, and to have or permit others to do so, any data or information or both reasonably necessary to fully utilize such proposal.
9. Notwithstanding the provisions of this section, for any construction contract, the contractor shall not be precluded from making substitution requests in accordance with applicable rules and policies of the Department. The OIC shall be the sole judge of whether a proposal is a value engineering change proposal or a substitution request. (HAR §3-132-4)

E. **Value engineering sharing method.** The method by which the contractor will share a portion of the cost savings from an accepted value engineering change proposal shall be in accordance with section 3-132-4 and the following:

1. The contractor’s share in cost savings shall be for the single contract only, and no consideration shall be made for future acquisition, royalty type payment, or collateral savings.
2. The Department may accept the proposed value engineering change proposal, in whole or in part. The engineer shall issue a contract change order or modify the contract to identify and describe the accepted value engineering change proposal. (HAR §3-132-6)

## 5.8 SUBSTITUTIONS

A. **After Bid Opening.** Substitution of material or equipment may be allowed after the bid opening date only if:

1. The specified or prequalified item is delayed by a lengthy strike in the factory or other unforeseeable contingency beyond the control of the Contractor which would cause an abnormal delay in the project completion; or
2. All specified or prequalified items are found to be unusable or unavailable due to change or other circumstances; or
3. The Contractor is willing to provide a more recently developed or manufactured model of material or equipment of the same name manufacturer which the Contracting Officer determines to be equal or better than the one specified or prequalified.



A substitution request, regardless of reason, shall be fully explained in writing, by the Contractor including his justification for said request, quantities and unit prices involved, quotations and such other documents as are deemed necessary to support the request.

Any savings in cost will be rebated to the Department and any additional cost for the substituted items will be paid for by the Contractor.

The above shall not be construed to mean that substitutions for brand name specified materials and equipment will be allowed; the Contracting Officer reserves the right to reject and deny any request deemed irregular or not in the best interest of the Department and a request for substitution shall not in any way constitute a justification for an extension of contract time.

## **5.9 EXTRA WORK**

No work of any kind in connection with the work covered by the specifications and plans shall be considered as entitling the Contractor to extra compensation except when the work is ordered in writing, as a change order, by the Contracting Officer.

## **5.10 PAYMENT FOR DELETED MATERIALS**

- A. Canceled Orders – If acceptable material was ordered by the Contractor for any item deleted by an ordered change in the work prior to the date of notification of such deletion by the Contracting Officer, the Contractor shall use every reasonable effort to cancel the order. The Department shall pay reasonable cancellation charges required by the supplier excluding any markup for overhead and profit to the Contractor.
- B. Returned Materials – If acceptable deleted material is in the possession of the Contractor or is ultimately received by the Contractor, if such material is returnable to the supplier and the Contracting Officer so directs, the material shall be returned and the Contractor will be paid for the reasonable charges made by the supplier for the return of the material, excluded any markup for overhead and profit to the Contractor. The cost to the Contractor for handling the returned material will be paid for as provided in Subsection 5.4 “Price Adjustment.”
- C. Uncanceled Materials – If orders for acceptable deleted material cannot be canceled at a reasonable cost, it will be paid for at the actual cost to the Contractor including an appropriate markup for overhead and profit as set forth in Subsection 5.4 “Price Adjustment” In such case, the material paid for shall become the property of the Department of Water and the contractor shall deliver to the Department of Water Baseyard.

## **SECTION 6 - PERFORMANCE OF CONTRACT**

### **6.1 TIME**

Time is of the essence of the contract. Performance of the contract shall be commenced on the commencement date designated in the notice to proceed and shall be completed within the contract time specified in the contract or as computed or extended in accordance with the provisions of subsection 8.3.

- A. After the contract is completely executed, the Contracting Officer will issue the contractor a written "Notice to Proceed" designating the official date for the commencement of the work. The contractor shall submit all materials for approval. Once all materials for use on the project have been approved, the contractor shall arrange a preconstruction conference with the Contracting Officer, along with other affected agencies, firms and individuals at least ten (10) calendar days prior to the starting date for construction.

At the preconstruction conference, the contractor shall submit to the Department, the name, local address and telephone number(s) of his or her authorized superintendent of the job.

No construction work shall commence until the contractor has notified the Contracting Officer, in writing, at least one (1) week in advance of the actual date he or she will start the work to be done under the contract after the notice to proceed, and shall diligently prosecute the same to completion within the time limit provided in the contract. The contractor shall be entirely responsible for any delay in the work caused by his or her failure to give such notice to the Contracting Officer.

- B. When the contract time is on a working day basis, the Contracting Officer will furnish the contractor a weekly statement showing the number of days charged to the contract for the preceding week and the number of days specified for completion of the contract. The contractor will be allowed seven (7) days in which to file a written protest setting forth in what respect said weekly statement is incorrect; otherwise the statement shall be deemed to have been accepted by the contractor as correct.
- C. When the contract time is on a calendar-day basis, it shall consist of the number of calendar days stated in the contract beginning with the effective date of the NOTICE TO PROCEED, including all Sundays, holidays and non-working days. All calendar days elapsing between the effective dates of any orders of the Contracting Officer to suspend work and to resume work for suspensions not the fault of the contractor shall be excluded.

### **6.2 PERFORMANCE SCHEDULE**

Within seven (7) calendar days after the commencement of the contract, or such further time as may be allowed by the Contracting Officer, the contractor shall submit for the approval of

the Contracting Officer, a practicable schedule utilizing the critical path method (CPM) for the performance of the contract. The date on which parts of the project, including the procurement of materials, plant and equipment, have been or will be started, and the contemplated dates for completion of parts of the project. If the schedule is not approved, it shall be revised as directed by the Contracting Officer. After approval, no changes in the schedule shall be made without the approval of the Contracting Officer. The approved schedule shall be updated with a three-week (3-week) schedule breakdown and two (2) copies submitted to the Department weekly, and a full schedule breakdown submitted to the Department monthly with payment request for approval. The updated schedule shall show the actual progress of work compared to the approved schedule or the latest amended schedule. The updated schedule shall be used as a basis for establishing major construction and as a check on the progress of the work performed under the contract. All schedules shall be provided via hard copy and as a Microsoft Project file/PDF file.

- \* The full schedule shall include a written narrative explaining CPM network.
- \* The full schedule shall account for dealing with predictable “planned (normal) adverse weather based on historical averages and be reflected appropriately.
- \* The Contracting Officer does not dictate means, methods, or schedule as that is the contractors responsibility and discretion.
- \* The Contracting Officer will review the CPM network for reasonableness and conformance with the plans, specifications and contract time at the baseline review and with each update.
- \* Any acceleration to schedule pursuant to a directive by the owner shall be in writing.
- \* Project float is a shared resource for use by contractor and owner in good faith.

### **6.3 OWNER-CONTRACTOR MEETING, FIELD OFFICE AND FIELD TELEPHONE**

#### **A. Owner-Contractor Meeting.**

A weekly meeting is required at the jobsite field office. The meeting attendees at minimum shall be the contractor project manager and foreman, DOW project manager and inspector, and other construction related staff. The contractor shall prepare the meeting minutes and provide to the DOW construction team one day prior to next weekly meeting.

#### **B. Field Office.**

The contractor shall provide a field office for the Manager at a location designated by the Manager within the project site. It shall be available within seven (7) calendar days after issuance of Notice to Proceed for the work under the contract. The field office shall be weather-proof and not less than 120 square feet in gross floor area. The aggregate window areas of the office shall not be less than 10 percent (10%) of the floor area, and one (1) exterior door shall be provided with a keyed cylinder-type lock. The office shall be furnished with one (1) drafting-type table having a dimension of not less than 3' x 6' and a stool, adequate plan racks and hangers, one (1) desk, two (2) chairs, shelves, a broom, telephone service, air conditioning, electric lighting, paper towels, paper cups, soap, toilet paper and potable water, and shall be maintained in good repair and in a clean and sanitary condition by the contractor. If the office is not equipped with a water closet and lavatory, the contractor shall make other arrangements to provide such facilities for the Manager.

C. **Field Telephone.**

If required in the special provisions, the contractor shall provide a field telephone for the Manager. Such field telephone shall be placed at a convenient and accessible location.

#### **6.4 DOCUMENTS TO BE KEPT ON SITE**

The contractor shall keep a copy of the request for proposals, special provisions, current water system standards current standard specifications for Road and Bridge construction, approved construction drawings, approved submittals, RFI responses, approved permits, and specifications of the contract on the site of the project readily accessible for reference.

#### **6.5 ADDITIONAL PLANS AND SPECIFICATIONS TO BE FURNISHED BY THE CONTRACTING OFFICER**

If deemed necessary by the Contracting Officer, the Contracting Officer may furnish, by written order, such additional plans and specifications, during the performance of the contract as may be necessary to clarify the contract or define it in greater detail, and the contractor shall comply with such additional plans and specifications. Such additional plans and specifications shall become a part of the contract.

#### **6.6 DRAWINGS TO BE FURNISHED BY CONTRACTOR**

Shop drawings means drawings, submitted to the Department by the Contractor which shows in detail 1) the proposed fabrication and assembly of structural elements, and 2) the installation (i.e., form, fit, and attachment details) of materials or equipment. It includes drawings, diagrams, layouts, schematics, descriptive literature, illustrations, schedules, performance and test data and similar materials furnished by the Contractor to explain in detail specific portions of the work required by the contract.

The Contractor shall coordinate all such drawings, and review them for accuracy, completeness, and compliance with approved construction drawings, specifications and other applicable contract requirements and shall indicate its approval thereon as evidence of such coordination and review. The Contractor shall make and supply such working or shop drawings as may be required by the Contracting Officer during the performance of the contract. The drawings shall be finished plans, and shall be neat, legible and drawn to scale. Drawings submitted without evidence of the Contractor's approval may be returned for resubmission.

The contractor shall submit three (3) prints of working or shop drawings to the Contracting Officer for approval prior to the commencement of the work under the contract or the delivery to the project site of any equipment or material covered by the drawings, whichever is later. The Contracting Officer, has twenty (20) days to approve or disapprove and will indicate such approval or disapproval of the shop drawings. If not approved as submitted the Contracting Officer shall indicate the reasons therefor. The Contracting Officer may require the drawings to be resubmitted as often as necessary to render them complete, legible and free of extensive corrections. If a resubmittal is required, the Contracting Officer shall return one (1) print to the contractor who shall make all the corrections or drawings for

approval. Any work done before such approval shall be at the Contractor's risk.

After approval, no working or shop drawings shall be changed without the written approval of the Contracting Officer; and the contractor may proceed with the parts of the project called for in such drawings.

It shall be expressly understood that review and approval of working or shop drawings and other submittals by the Contracting Officer shall not be construed to relieve the contractor of responsibility for any errors and omissions in such drawings, or the accuracy of dimensions and details and duty to perform the contract in accordance with the approved construction drawings, specifications, terms, covenants, conditions, provisions and intent thereof. It is further understood that the review and approval by the Contracting Officer of the Contractor's shop drawings, whether general or detailed, is a general review relating only to their sufficiency and compliance with the intention of the contract. The Contractor shall clearly identify and inform the Contracting Officer in writing on the shop drawing transmittal cover sheet of any deviations from the contract documents at the time of submission and shall obtain the Contracting Officer's written approval to the specified deviation prior to proceeding with any work. The contractor, at his own risk and expense, may elect to proceed with the work affected by the drawings prior to final review.

Catalog cuts or similar reproductions may be substituted for working or shop drawings in the case of assembled electrical, mechanical units and other waterworks materials to be installed, when they show information which the Contracting Officer determines to be sufficient for review and approval. The contractor shall provide all additional information that is requested by the Contracting Officer during the review and approval process.

## **6.7 OMISSION IN CONTRACT**

Unless specified, work which is otherwise incidental to the contract although not specifically referred to in the contract shall be furnished and performed by the contractor. Labor, materials, equipment, overhead, and extended overhead directly or indirectly necessary to complete the construction of the project, whether or not the same may have been expressly provided for in the contract, shall be furnished and performed by the contractor.

## **6.8 CONTRACTOR TO REPORT ERRORS OR DISCREPANCIES**

The contractor shall notify the Contracting Officer in writing immediately upon discovery of any error or omission in the layout given by stakes, points or instructions furnished by the Manager, or any discrepancy within the contract, or any part thereof or between the plans and the conditions of the site.

After such discovery, the contractor shall proceed with the performance of the contract only after receiving written approval from the Contracting Officer.

## **6.9 CONTROL OF THE CONTRACT**

### **A. Workmanship.**

The contract shall be performed in an orderly and workmanlike manner in

accordance with the latest acceptable practice and shall be of the best quality, except as clearly specified otherwise. Whenever there is a doubt as to what is permissible or the contract fails to note the quality of any work, the interpretation which calls for the best quality of work is to be followed.

**B. Access to the Project.**

During the performance of the contract, the contractor shall provide the Department with proper and safe facilities for access to the site of the project and the shops of the contractor and the subcontractor.

Other contractors of the Department shall be permitted access to the site of the project when it is required for performance of their respective contractors.

**C. Inspection.**

The performance of the contract shall be subject to the inspection of the Department, and the contractor shall supply such information and assistance as may be required to make a complete and detailed inspection. The Department may inspect each and every subdivision of the work or any part or parts or process thereof. The Department's staff shall have free access to all parts of the work at all times and shall be given every facility, information, and means of thoroughly inspecting the work done and the materials used or to be used. No work or material which may be defective in construction or quality or deficient in any of the requirements of the plans, specifications, special provisions or other contract documents will be accepted. The Department's presence or inspection on the site will not relieve the contractor of his or her deficiencies.

If the contractor wishes to work at such time of the day which is during the period other than the regular business hours of the Department of Water, County of Kaua'i or on a Saturday, Sunday or legal State holiday, he or she shall make a written request for inspectional services during such period. If such a request is made and granted, the contractor shall notify the Contracting Officer not less than twenty-four (24) hours in advance of the time when the inspectional services are required. The contractor shall pay the Department at the rate per hour designated by the Department for each employee provided pursuant to this paragraph.

**D. Inspection of Plant or Site, Access to Plant or Place of Business.**

1. Inspection of plant or site. Circumstances under which the Department may perform inspections include, but are not limited to, inspections of the Contractor's plant or site in order to determine: Whether the standards set forth in section 3-122-108, Hawai'i Administrative Rules, have been met or are capable of being met; and if the contract is being performed in accordance with its terms. (HAR 3-122-166)
2. Access to plant or place of business. The Department may enter a Contractor's or subcontractor's plant or place of business to:
  - a. Inspect goods or services for acceptance by the Department pursuant to the terms of a contract;

- b. Audit cost or pricing data or audit the books and records of any Contractor or subcontractor pursuant to section 3-122-175, Hawai'i Administrative Rules; and
- c. Investigate in connection with an action to debar or suspend a person from consideration for award of contracts pursuant to sections 3.126-11 through 3-126-18, Hawai'i Administrative Rules. (3-122-167,8)

E. **Samples and Test Specimens.**

When required by the Contracting Officer, test specimens or samples of materials, equipment, instruments, pipes and fittings and other Waterworks appurtenances to be used or offered for use in the performance of the contract shall be prepared and furnished by the contractor in such quantities and sizes as may be required for proper examination and tests, with information as to their sources.

The contractor shall furnish additional test specimens and samples as directed.

Test specimens and samples shall be submitted in ample time to enable the Department to make such tests or examinations as may be necessary. Laboratory tests and examinations made in a laboratory other than that of the Department shall be at the expense of the contractor.

F. **Tests.**

Tests specified by the contract, statute, regulation, Water Standards, or ordinance shall be made; and the cost thereof shall be borne by the contractor unless otherwise provided for in such contract, statute, regulation or ordinance. Such tests shall be conducted under the direction of the Contracting Officer, and the contractor shall repair any damage resulting there from.

In addition, the Contracting Officer may require such tests as he or she deems necessary to carry out his or her duties during the performance of the work under the contract. When a test is required by the Contracting Officer, the contractor under the direction of the Contracting Officer shall conduct such test and shall bear all of the costs, including the cost of tools, labor and materials necessary therefor.

G. **Site Access.**

The contractor shall provide access to the work at all times to representatives of the Department of Federal Environmental Protection agency, the State of Hawai'i Water Pollution Control, State Department of Health, and any other authorized Federal, State or County Agencies whenever the work is in preparation or in the process, and shall provide proper facilities for such access and inspection. In addition, authorized representatives of the Department and the County shall have access to any books, documents, papers and records of the contractor which are pertinent to the project for the purpose of making audit, examinations, excerpts, and transactions thereof.

H. **Removal of Defective and Unauthorized Work.**

All work which has been rejected as not conforming to the requirements of the contract shall be remedied or removed and replaced by the Contractor in an

acceptable manner at no cost to the Board. Any work done beyond the work limits shown on the plans and specifications or established by the Contracting Officer, as authorized under the terms of the Contract, or any additional work done without written authority will be considered as unauthorized and will not be paid for. Work so done may be ordered removed at the Contractor's expense. Upon failure on the part of the Contractor to comply promptly with any order of the Contracting Officer made under the provisions of this subsection, the Contracting Officer shall have authority to cause defective work to be remedied or removed and replaced and unauthorized work to be removed and to deduct the costs from any monies due or to become due the Contractor.

#### **6.10 PERSONAL SUPERVISION**

The contractor shall be present on site in person, or by a responsible agent with authority to act for the contractor in connection with the contract during the performance of the contract.

The contractor shall file with the Contracting Officer a written statement signed by the contractor giving the names of the designated competent person(s) for trench excavation and confined space entry, any and all supervisors, foreman and employees who are authorized to act in place of the contractor, and any communication signed in behalf of the contractor by such agents immediately and in writing of any change in the name or names so submitted.

#### **6.11 CHARACTER OF WORKMEN, METHODS AND EQUIPMENT**

The Contractor shall at all times provide adequate supervision and sufficient labor and equipment for prosecuting the several classes of work to full completion of the project in the manner and within the time required by the contract.

- A. Character and Proficiency of Workers. All workers must have sufficient skill and experience to perform properly the work assigned to them. All workmen engaged in special work or skilled work such as bituminous courses of mixtures, concrete pavement or structures, electrical installation, plumbing installation, or in any trade shall have sufficient experience in such work and in the operation of the equipment required to properly and satisfactorily perform all work. All workers shall make due and proper effort to execute the work in the manner prescribed by the Contract; otherwise, the Contracting Officer may take action as prescribed herein. Any worker employed on the project by the Contractor or by any subcontractor who, in the opinion of the Contracting Officer, is not careful and competent, does not perform his work in a proper and skillful manner or is disrespectful, intemperate, disorderly or neglects or refuses to comply with directions given, or is otherwise objectionable shall at the written request of the Contracting Officer, be removed forthwith by the Contractor or subcontractor employing such worker and shall not be employed again in any portion of the work without the written consent of the Contracting Officer. Should the Contractor or subcontractor continue to employ, or again employ such person or persons on the project, the Contracting Officer may withhold all monthly payments which are or may become due, or the Contracting Officer may suspend the work until such orders are complied with, with no adjustment in contract end date being made.



- B. **Insufficient Workers.** In the event that the Contracting Officer, in his judgment, finds the condition whereby insufficient workers are present to accomplish the work and no corrective action is taken by the Contractor after being informed, the Contracting Officer reserves the right to terminate the contract as provided for under Section 8 REMEDIES.
  
- C. **Equipment Requirements.** All equipment furnished by the Contractor and used on the work shall be of such size and of such mechanical condition that the work can be prosecuted in an acceptable manner at a satisfactory rate of progress and the quality of work produced will be satisfactory.

Equipment used on any portion of the project shall be such that no injury to the work, adjacent property or other objects will result from its use. If the Contractor fails to provide adequate equipment for the work, the contract may be terminated as provided under Section 8 REMEDIES.

In the event that the Contractor is paid for furnishing and operating equipment on a force account basis, it shall be operated as directed by the Contracting Officer in order to obtain maximum production under the prevailing conditions.

## **6.12 WAGES AND HOURS**

Contractors shall observe and comply with all the provisions of Chapter 104, HRS, relating to wages and hours of employees on public works. The contractor shall pay all employees on any contract with the Department, the minimum basic wage rate in conformance with applicable Federal and State laws.

The minimum wages shall be periodically increased during the performance of a contract in an amount equal to the increase in the prevailing wages for those kinds of work as periodically determined by the State Director of Labor and Industrial Relations. Notwithstanding the provisions of the original contract entered into, if the Director of Labor and Industrial Relations determines that the prevailing wage has increased, the rate of pay of laborers and mechanics on the contract shall be raised accordingly. Offerors shall take into consideration increases which may occur during the period of the contract in computing their bid or proposal prices. No additional compensation shall be made for failure to do so.

The current State Wage Rate Schedule and any addenda is incorporated in this document by reference only. Copies are available the State Department of Labor and Industrial Relations, 830 Punchbowl Street, Honolulu, HI 96813, or at the State website:

<http://hawaii.gov/labor/rshttp://labor.hawaii.gov/wsd/files/2013/02/104-2FAQ-Rev-3-09.pdf>

No labor or mechanic employed on the job site shall be permitted or required to work on Saturday, Sunday, or a legal holiday of the State of Hawai'i in excess of eight (8) hours on any other day unless the laborer or mechanic receives overtime compensation for all hours worked on Saturday, Sunday, and a legal holiday of the State or in excess of eight (8) hours on any other day. For purposes of determining overtime compensation under this subsection, the basic hourly rate of any laborer or mechanic shall not be less than the basic

hourly rate determined by the Director of Labor and Industrial Relations to be the prevailing basic hourly rate for corresponding classes of laborer and mechanics on projects of similar character in the State.

A certified copy of all payrolls shall be submitted weekly to the Manager. The contractor shall be responsible for the submission of certified copies of the payrolls of all subcontractors. The certification shall affirm that the payrolls are correct and complete, that the wage rates contained therein are not less than the applicable rates contained in the wage determination decision of the Director of Labor and Industrial Relations attached to the contract, and that the classifications set forth for each laborer or mechanic conform with the work the laborer or mechanic performed.

If the Contracting Officer finds that any laborer or mechanic employed on the job site by the contractor or any subcontractor has been or is being paid wages at a rate less than the required rate by the contract or the specifications, or has not received the laborer's or mechanic's full overtime compensation, the Contracting Officer may take appropriate action in accordance with Section 104-4, HRS, or the Contracting Officer may, upon recommendation of the Contracting Officer, by written notice to the contractor, terminate the contractor's right, or the right of any subcontractor, to proceed with the work or with the part of the work in which the required wages or overtime compensation have not been paid and may complete such or part by contract or otherwise, and the contractor and the contractor's sureties shall be liable to the Department for any excess costs occasioned thereby.

The contractor is required to post the applicable wage schedule in a prominent and easily accessible place at the job site. The contractor shall give to each laborer and mechanic employed under the contract a copy of the rates of wages required to be posted.

On federally funded or federally assisted projects, the current federal wage rate determination in effect at the time of advertising for bids or proposals is incorporated as part of the invitation for bids or proposals, and both State and federal wage rates shall apply. Where rates for any class of laborers and mechanics differ, the higher rates shall prevail. The minimum federal wage rates shall be those in the U.S. Department of Labor Wage Determination Decision and Modifications in effect five (5) calendar days prior to the bid or proposal opening date.

### **6.13 CONTRACTOR'S ADDRESS**

The contractor shall provide and maintain a post office address within the State of Hawai'i and file the same with the Contracting Officer. Any written order or notice which may be required or desirable under the contract may be served on the contractor personally, or delivered to his or her representative on the project site, or left with a member of his or her family of suitable age and discretion at his or her residence, or with any employee of the contractor at his or her place of business and/or mailed to the aforesaid local post office address. All orders or notices shall become effective when mailed or at the time of service or delivery as aforesaid.

### **6.14 OBSTRUCTIONS**

The Contractor shall remove all obstructions, the removal of which shall be necessary for the proper reception, performance, construction, installation, and completion of all work under this contract, as called for or implied in the plans and specifications, and is considered incidental work.

#### **6.15 SURVEYS AND CONSTRUCTION STAKES, LINES AND GRADES**

All lines, levels and elevations are to be laid out and checked by a surveyor or civil engineer licensed in the State of Hawai'i at the contractor's expense. The contractor shall furnish a certificate or document signed by the surveyor or civil engineer certifying that the completed lines, levels and elevations are in conformity with the contract. The contractor shall verify all lines, levels and elevations indicated in the contract before any excavation or construction begins. Any discrepancy shall be immediately brought to the attention of the Manager and any change shall be made in accordance with his or her instruction. The contractor shall not be entitled to any additional payment if he or she fails to report the discrepancies before proceeding with work within the area affected by the discrepancies.

#### **6.16 SUBCONTRACTING**

The contractor shall not subcontract any part of the contract except to those subcontractors specifically listed in the bid or proposal submitted by the contractor; provided, however, the contractor may for good cause and upon written approval of the Contracting Officer engage other subcontractors. Engaging subcontractors to perform the work under the contract shall not relieve the contractor of his or her duty to perform the contract in accordance with the terms, covenants, conditions, provisions and intent thereof. The contractor shall replace a subcontractor when required by the Contracting Officer for not performing the contract in accordance with the terms, covenants, conditions, provisions and intent thereof.

#### **6.17 OTHER CONTRACTS**

The contractor shall coordinate his or her operations with those of other contractors who may be employed on adjacent or related projects of the State, County, Department or private development, shall avoid interference therewith, and shall cooperate with the other contractors so as to avoid unnecessary delay or hindrance in the performance of their respective contracts. Any difference or conflicts which may arise between the contractor and other contractors of the State, County, Department or private development in regard to their projects shall be adjusted and determined by the Department's staff, whose decision and order shall be final and binding.

#### **6.18 WATER REMOVAL**

The contractor shall examine the site of the project and make all necessary arrangements with affected property owners for the removal of water from the site. The contractor shall provide a bridge or other facilities to prevent water flowing into adjacent properties and adjacent streets as a result of his or her activities, from interfering with the traffic on such streets.

#### **6.19 ELECTRICAL, TELECOMMUNICATION AND WATER SERVICE**

The contractor shall make his or her own arrangements for electrical, telecommunication and water services required for the performance of the contract at his or her expense. The Contractor shall be responsible for scheduling and coordinating the work with the utility companies and applicable governmental agencies for temporary and permanent service connections. The Contractor will pay the utility companies and applicable governmental agencies directly for such connections upon receipt of the state of charges.

The contractor or subcontractor will not be charged for the final filling of any new or refurbished tank if a temporary hydrant meter is used. For example, a new or refurbished 0.5 MG Tank will be credited 500,000 gallons. All other usage of the temporary hydrant meter such as, but not limited to, testing of new waterlines, irrigation, and dust control will be charged to the contractor.

## **6.20 UTILITIES UNDERGROUND**

Prior to offer: All underground waterlines and appurtenances, gas, oil, telephone, television, electric, storm drain, fiber optic, sewer and other pipes or conduits, if shown on the plans, are only approximate in their locations. Prior to bid or proposal, the contractor shall make a personal investigation and inspection of the records of the owners of the utilities, supplemented by actual digging in the field, if necessary, to determine the actual locations of such utilities with all their branch and service lines whether indicated on the plans or not. Consequences resulting from the Contractor's failure to do so will be the sole cost and responsibility of the Contractor.

Prior to installation of new facilities: The contractor shall make satisfactory arrangements with the owners of the utilities for the relocation, maintenance and protection of existing utilities and shall furnish the Department's staff with evidence in writing that satisfactory arrangements have been made not less than ten (10) days before the commencement of the parts of the project under the contract affecting such utilities. Further, the Contractor shall probe the project area to verify existing utilities shown or not shown on the approved construction drawings and indicate potential conflicts with new facility installation. If required, the Department will consider redesign of the new facilities to deal with the potential conflicts. Consequences resulting from the Contractor's failure to do so will be the sole cost and responsibility of the Contractor.

## **6.21 QUALITY OF MATERIALS AND EQUIPMENT**

Unless otherwise specifically stated in the specifications, all workmanship, equipment, materials and articles incorporated in the work covered by this contract are to be of the best available grade of their respective kinds. Whenever specifications for any material, article, device, product, fixture, form, type of construction or process is indicated or specified by patent or proprietary name, by name of the manufacturer or by catalog number, such specifications shall be deemed to be used for the purpose of establishing a standard of quality and to facilitate the description of the material or process desired and shall be deemed to be followed by the words "or equal."

All materials and equipment furnished and installed under this contract shall be new and must be of standard quality of their respective kinds, free from all defects which may render them unfit for use. The contract contemplates the use of first-class materials and equipment

throughout the performance of the contract, and it is agreed that any material and equipment for which no particular specification is given shall be of the highest quality of its class or kind. The Manager will not accept materials and equipment that do not conform to the contract.

Rejected materials and equipment shall be removed immediately from the work and replaced with materials and equipment of the required quality. Should the contractor fail to remove such rejected materials and equipment within twenty-four (24) hours after notice by the Contracting Officer, the latter may remove such rejected materials and equipment and deduct the expense therefor from any sum due or to become due the contractor. Failure to reject any material and equipment or to remove any rejected material and equipment shall not relieve the contractor from responsibility as to the quality and character of materials and equipment used or as to any other obligation imposed upon him by the contract.

## **6.22 NATIONAL SANITATION FOUNDATION (NSF) APPROVALS**

All materials used in Waterworks construction (pipe, pipe lubricants, paints, sealants, form oil, concrete admixtures, etc.) in direct contact with the potable water shall be approved by the National Sanitation Foundation (NSF). The contractor shall submit these approvals to the Contracting Officer for review and approval prior to its application.

## **6.23 SAMPLES**

Whenever requested by the Contracting Officer, the contractor shall furnish samples of materials to be used in the performance of the contract. Said samples if approved, will be retained by the Contracting Officer and, subject to his or her order, shall be used as the standard with which all like materials furnished under the contract must conform. The approval of any sample tested by the Contracting Officer or his or her failure to require the furnishing of samples shall not relieve the contractor from performing the work in accordance with the contract.

## **6.24 PROTECTION OF PEDESTRIANS AND VEHICULAR TRAFFIC**

During the progress of the work, the contractor shall use all proper precautions and methods of procedure and construction by means of good and sufficient barriers, guards, temporary bridges, notices, lights, warning and other safeguards for the prevention of accidents and for the protection of persons and property, and from sunset until sunrise he or she shall keep suitable lights burning wherever the public has access near or at the work in progress to define the line of safe passage. The Contractor shall defend, indemnify and save harmless the Department and Board against any and all suits, actions and claims for cost, compensation, damages or otherwise to which the said Department may be put on account of injury to person or property of another, resulting from negligence of the contractor in the performance of the work or the guarding of the same; and he or she shall include in his or her bond such terms as will protect the Department and Board against any loss, charge or expense by reason of any such claims, suits or actions.

### **A. Public Convenience.**

The contractor shall so conduct his or her operations as to offer the least possible obstruction and inconvenience to the public and he or she shall have under

construction no greater length or amount of work than he or she can prosecute properly with due regard to the rights of the public.

Unless otherwise provided in the special provisions, all public traffic shall be permitted to pass through the work with as little inconvenience and delay as possible.

Spillage resulting from hauling operations along or across any public travel way shall be removed immediately by the contractor at his or her expense.

Construction operations shall be conducted in such a manner as to cause as little inconvenience as possible to abutting property owners.

Convenient access to driveways, houses, mail boxes and buildings along the line of the work shall be maintained and temporary approaches to crossings or intersecting highways shall be provided and kept in good condition.

Water or dust palliative shall be applied if ordered by the Manager for the alleviation or prevention of dust nuisance at all times, regardless of whether or not work is being performed on the site.

**B. Public Safety**

The contractor shall comply with all requirements and provisions of the Federal, State and County safety laws, including Hawai'i Occupational Safety and Health (OSHA) Laws, and all building and construction codes, and shall take all necessary precautions for the safety of all employees on the project.

Wherever the contractor's operations create a condition hazardous to traffic or to the public, he or she shall furnish, erect and maintain, at his or her expense and without cost to the Department, such fences, barricades, lights, signs and other devices as are necessary to prevent accidents or damage or injury to the public.

Should the contractor appear to be neglectful or negligent in furnishing warning and protective measures as above provided, the Contracting Officer may direct attention to the existence of a hazard and the necessary warning and protective measures shall be furnished and installed by the contractor at his or her expense.

Should the Contracting Officer point out the inadequacy of warning and protective measures, such action on the part of the Contracting Officer shall not relieve the contractor from responsibility for public safety or abrogate his or her obligation to furnish and pay for these devices.

The installation of general roadway illumination shall not relieve the contractor of his or her responsibility for furnishing and maintaining any of the protective facilities hereinbefore specified.

**C. Accidents.**

The contractor must promptly report in writing to the Manager all accidents whatsoever arising out of or in connection with the performance of the work,

whether on or adjacent to the site which caused death, personal injury or property damage, giving full details and statements of witnesses. In addition, if death or serious injuries or serious damage is caused, the accident shall be reported immediately by telephone or by messenger to the Manager.

If any claim is made by anyone against the contractor or any subcontractor on account of any accident, the contractor shall promptly report the facts in writing to the Manager, giving full details of the claim. It is understood and agreed that the written report of any accident shall not relieve the contractor of the responsibility, and the Department and Board shall not be held responsible.

D. **Non-compliance.**

The Manager will notify the contractor of any non-compliance with the foregoing provisions and the action to be taken. If the contractor fails or refuses to comply promptly, the Contracting Officer, with the approval of the Contracting Officer, may issue an order stopping all or part of the work until satisfactory corrective action has been taken. No extension of time or payment for excess costs or damage shall be made for the time lost due to such stop action.

If no corrective action is taken by the contractor within twenty-four (24) hours after a suspension is ordered by the Contracting Officer, the Department reserves the right to take whatever action is necessary to correct the situation and to deduct all costs incurred by the Department in taking such action from moneys due the contractor.

The Contracting Officer may also suspend any operations which he or she feels are creating safety problems. The Department's failure to act pursuant to this section shall not be considered a liability and failure on the Department's part to act shall not be considered a waiver to any rights and remedies to which the Department is entitled.

## **6.25 ACCESS TO PROPERTY**

The contractor shall provide safe access to the property abutting the site of the project when the usual means of access are obstructed by the performance of the contract.

## **6.26 PROJECT SIGN**

The contractor shall provide signs to identify the project. The signs shall be erected at locations designated by the Contracting Officer at the site of the project upon commencement of the work under the contract. Signs shall be properly erected and kept clean and legible. After completion of the work under the contract and final acceptance thereof, the contractor shall remove the signs.

The Contractor shall assume all responsibilities in maintaining the sign in good legible condition and free from any damage during the entire construction period, and shall make good all such repairs at no cost to the Department.

## **6.27 PROJECT MAY BE PLACED IN SERVICE**

The Department may place parts of the project in service as completed and the contractor shall give proper access to such portions for this purpose. Use of the portions so placed in service by the public shall constitute an acceptance by the Department of such portions of the project involved but shall not constitute total completion nor shall it constitute final acceptance . The Department does not recognize the concept of substantial completion to avoid liquidated damages.

## **6.28 PRECAUTIONS AND RESTORATION**

The contractor shall protect property adjacent to the site of the project from damage and shall restore property damaged by him to the condition it was in prior to the damage. Prior to starting any work, the contractor shall photograph and video the existing conditions of structures, landscaping, etc. that are to remain within the project and any staging areas. Any existing defects, damages, etc. shall be noted and forwarded in writing to the Department of Water. Any damage to existing items noted during or after completion of the project that were not specifically reported in writing prior to starting any work shall be repaired and replaced by the contractor at no cost to the Department.

### **A. Existing Utilities and Structures.**

The existence and location of underground utilities and structures as shown on the plans are from the latest available data but are not guaranteed as to their actual existence or location. Other obstacles not shown on the plans may be encountered in the course of the work.

The contractor shall make a personal investigation and inspection of the records of the owners of the utilities, supplemented by actual digging in the field if necessary to determine the actual locations of such utilities with all their branch and service lines whether indicated on the plans or not. The contractor shall furnish the Manager with written evidence that the contractor has contacted all the utility companies.

The contractor shall be held responsible for any damage to and for the maintenance and protection of existing utilities and structures whether shown on the plans or not.

The contractor shall also completely protect all buildings, pavements, gutters, curbs, sidewalks, driveways, walls, fences, pipes, drains, conduits, or other structures of all classes, nature or types from settlement or other damage by installing proper underpinning, sheet piling and bracing and by taking all proper precautions during the period of construction. The contractor shall be responsible for the settlement of any pavement, building or any other structure of any class, nature or type caused by the dewatering of trenches or from any other cause relative to the work of the contractor and he or she shall in all cases be held liable for any damage to any building, structure or property along the line of the work.

Should it become necessary to remove, replace, obstruct, alter or use any existing pipe, hydrant, conduit, pole or other equipment or structure of any kind, the contractor shall make all necessary arrangements with the Department, State, County, corporation, company or any other organization owning or controlling the same relative to the removal, replacement, obstruction, alteration, use, damage and the payment therefor and shall furnish the Contracting Officer with evidence in



writing that satisfactory arrangements have been made, not less than ten (10) calendar days before removing, replacing, altering, using or obstructing the equipment or structure concerned.

B. **De-watering.**

De-watering shall be accomplished by suitable means; this includes the Contractor obtaining the required NPDES permits for de-watering. The contractor shall repair any and all damages resulting to improvements from such de-watering operation to the satisfaction of the owners of such improvements.

C. **Grass.**

When grassed areas are disturbed, the area shall be carefully graded and replanted with similar grass placed not over 6"x 6" center to center, leaving the area substantially similar to the condition it was in prior to the excavation.

D. **Trees, Plants and Shrubbery.**

All trees shall be carefully protected and kept from contact with excavation or other materials. Where it is necessary to trim trees, plants or shrubs, the contractor shall employ licensed tree trimmers. Branches shall be carefully trimmed so that the trees, plants or shrubs are not damaged. All cut sections of branches shall be painted with tree seal compound. All grass, plants, trees or shrubs removed or destroyed shall be replaced by the contractor to the satisfaction of the Department, corporation, company or any other organization owning or controlling the area where this work is to be done. All costs thereof shall be considered incidental.

E. **Property Marks.**

The contractor shall reference and replace marks, stakes, pipes, monuments of the property line and similar objects which may be disturbed by the contractor while performing the contract.

F. **Environmental Pollution Control.**

The contractor shall comply with the following requirements for pollution control in performing all construction activities. The contractor shall be responsible for conformance to all federal, state and county laws regarding environmental pollution control, including Chapters 37 and 37-A the Public Health Regulations, Department of Health, State of Hawai'i, as amended, during construction.

1. **Erosion and Sediment Control.**

- a. Soil protection facilities shall be completed as early as practicable. Sections of bare earth and the length of their exposure to erosion shall be minimized by proper scheduling and limiting the work areas. Temporary berms, cut-off ditches, and other provisions which may be required because of the contractor's method of operation shall be installed at no cost to the Department. Also, the contractor shall continue such measures until establishing the protective ground cover sufficiently to be an effective erosion deterrent. If material begins to erode into a river, stream or impoundment, the contractor shall act immediately to bring the situation under control.

Surface drainage from cuts and fills within the construction limits and from borrow and waste disposal areas shall, if turbidity producing materials are present, be held in suitable sedimentation ponds or shall be graded to control erosion within acceptable limits.

The contractor shall restrict construction operations in rivers, streams, lakes and reservoirs where channel changes are shown in the contract. Also, the contractor shall restrict construction operations to those areas that are entered for the construction of temporary or permanent structures. The contractor shall clear rivers, streams, lakes and reservoirs promptly of water pipes, fittings, false work, piling, drill cuttings, debris, or other obstructions.

The contractor shall not deposit excavated material in or near rivers, streams, lakes and reservoirs and shall at all times comply with the Federal Clean Water Act, 33 U.S.C. §1251 et seq. and any other applicable laws.

The contractor shall not permit fording of streams with construction equipment. The contractor shall use temporary bridges or other structures wherever stream crossings are necessary. The contractor shall not operate mechanized equipment in streams except to construct channel changes and temporary or permanent structures. The contractor shall avoid or minimize interferences with the movement of migratory fish.

2. Landscape Preservation, Forest and Well Source and Water Facilities Protection.

The contractor shall conform to Federal, State and County laws, statutes, ordinances, rules and regulations, including the Department of Water and Fire Department, State Department of Land & Natural Resources governing the protection of forests, well sources and water sheds, and the performance of work in these areas.

The contractor shall keep the project area in an orderly condition, dispose refuse, and obtain permits for the construction and maintenance of Department's water facilities and appurtenances according to the State Forester requirements.

The contractor shall take precaution and assist in preventing and suppressing forest fires. The contractor shall notify a Forest official of the location and amount of fire.

The contractor shall avoid or minimize disturbance to game preserves, water sheds and operations of the State Forester and Department of Water.

3. Waste Disposal.

a. Care shall be exercised to insure that disposal of waste from construction operations do not create pollution problems.

- b. Disposal of any materials, waste, effluent, trash, garbage, oil, grease, chemicals, etc., in areas adjacent to streams shall be subject to the approval of the Manager.
- c. No burning of debris and/or waste materials shall be permitted on the project site.
- d. No burying of debris and waste materials except for materials which are specifically indicated elsewhere in the bid or proposal document as suitable for backfill shall be permitted on the project site.
- e. All unusable debris and waste materials shall be hauled away to an appropriate off-site dump area. During loading operations, debris and waste materials shall be watered down to allay dust.
- f. Frequency of cleanup shall coincide with rubbish producing events.

4. Dust Control.

Dust, which could damage crops, orchards, cultivated fields, Department's water facilities, public and private facilities, business establishments and dwellings or cause nuisance to persons, shall be abated and control measures shall be performed at all times, including non-working hours, weekends and holidays. The cost for all dust control sprinkling shall be paid for by the contractor and shall extend for the entire period of construction. The contractor shall be held liable for any damage resulting from dust originating from his or her operations.

5. Waste Water.

Construction operations shall be conducted so as to prevent discharge or accidental spillage of construction water, pollutants, solid waste, debris and other objectionable wastes in surface waters and underground water sources.

6. National Pollutant Discharge Elimination System (NPDES) Permit and other Water Discharge Permits.

The contractor shall review and become familiar with the latest requirements of the NPDES Permit as issued by the State Health Department and all other necessary permits to discharge water into the waterways prior to bidding or proposing on this project. All inquiries for this permit shall be coordinated with the State Health Department.

Immediately after the award of the construction contract, the contractor shall meet with the Contracting Officer to complete the applications for a Department of Health NPDES Permit and for all other permits that may be required to discharge water into waterways. The Contractor shall be the duly authorized representative of the Department of Water as it relates to NPDES requirements.

Notice to proceed will not be delayed due to the contractor's inability to

meet NPDES Permit requirements in a timely manner.

See Exhibit N for Best Management Practices (BMP) inspection report to be used during construction as NPDES permit compliance verification. The BMP report shall be submitted on a weekly basis to the Contracting Officer.

7. Noise Control.

The Department of Health's Chapter II-46, Hawai'i Administrative Rules, Community Noise Control, establishes statewide noise rules on community noise.

This statewide noise rule complies with Chapter 342F, Hawai'i Revised Statutes, which states that the Director of Health shall present, control and abate noise pollution in the state.

In reference to construction activities, community noise permit applications are required for construction operations which exceed, or are anticipated to exceed noise standards established in the rules. The significance of the community noise permit is to allow for construction operations to exceed the noise standards, while allowing the Department of Health to monitor such activities to assure adequate protection of public health and welfare from adverse noise impacts.

The following activities related to construction operations are exempt from the provisions of the rules:

- a. Activities related to the emergency maintenance and repair of state and county highways, parks, and public utilities including but not limited to water, sewer, electric, gas, and telephone systems, provided the noise is confined to only the equipment in use.
- b. Backup alarm devices on any vehicle, where such device is required by federal or state occupational safety and health regulations.
- c. Construction and remedial activities related to the emergency repair of damages caused by natural disasters, including but not limited to tsunamis and hurricanes.

The contractor shall be responsible to obtain all permits and provide the Manager with a copy. The contractor shall pay for all applicable permit fees.

8. Others

- a. Whenever trucks and/or vehicles leave the site and enter surrounding paved streets, the contractor shall prevent any materials from being carried onto the pavements.
- b. Trucks hauling debris shall be covered as required by PUC regulations. Truck hauling fine materials shall be covered.

- c. No dumping of waste concrete will be permitted at the job site unless otherwise permitted in the Special Provisions.
- d. Except for rinsing of the hopper and deliver chute, and for wheel washing where required, concrete trucks shall not be cleaned on the job site.
- e. Except in an emergency, such as mechanical breakdown, all vehicle fueling and maintenance shall be done in designated areas. A temporary berm shall be constructed around the area when runoff can cause problems.
- f. Spray painting will not be allowed unless done by the “airless spray” process.

9. Payment

The cost of environmental pollution control shall not be considered incidental and shall be included in the price of offer for the various items of work.

G. Archaeological, Historical, and Burial Site Findings

Whenever the contractor encounters possible archaeological, historical or burial site findings, the contractor shall immediately suspend the operation and inform the Contracting Officer verbally and follow up with a written letter. The Contracting Officer will notify the proper authorities to evaluate such findings and decide the course of action.

The contractor shall not resume suspended operations without the prior written acceptance of the Manager. Delays resulting from the discovery, investigation, and handling of such findings shall extend the completion date. The Contracting Officer will govern suspensions of work according to subsection 8.3 of these General Provisions. Also, the contractor shall conform to Chapter 6E, H.R.S. relating to Historic Preservation, as amended.

Construction work and equipment shall remain within the right-of-way limits of this project.

The Archaeologist will decide the limits of the site. Also, the Archaeologist will decide, with the Manager, the best means for protecting the site from further disturbances which requires further investigation or salvage as determined by the State Historic Preservation Officer. Protection may include barricades, roping off, temporary fencing or other means.

H. Protection of Fish and Wildlife

The contractor shall at all times perform all work and take such steps to prevent any interference or disturbance to fish and wildlife. The Contractor shall be solely liable for any fees or costs associated with failure to take the proper and necessary steps to prevent such interference and agrees to defend, indemnify, and hold harmless the

Department from any actions arising out of the failure to take the proper and necessary steps to prevent such interference to fish and wildlife.

I. **Subcontractors**

Compliance with the provisions of this subsection by the subcontractors will be the responsibility of the contractor.

J. **Health and Safety Compliance**

1. **Safety Program.** The Contractor shall comply with chapter 396, HRS, relating to the standards of occupational safety and health and all applicable Federal, State and County laws and regulations, including but not limited to section 396-18, HRS, relating to safety and health programs for contractors for Department construction projects where the proposal amount is in excess of \$100,000.

2. **Responsibility.** The Contractor shall designate a responsible member of its organization at the site whose duty shall be the prevention of accidents. This person shall be the Contractor's superintendent unless otherwise designated by the Contractor in writing to the Contracting Officer.

3. **Safeguards, Signs.** The Contractor shall erect and maintain, as required by existing conditions and performance of the contract, reasonable safeguards for safety and protection, including posting danger signs and other warnings against hazards, promulgating safety regulations and notifying owners and users of adjacent sites and utilities.

4. **No Loading.** The Contractor shall not load or permit any part of the construction or site to be loaded so as to endanger its safety.

5. **Emergency.** In an emergency affecting safety of persons or property, the Contractor shall act, at its discretion, to prevent threatened damage, injury or loss. The Contractor shall notify the Contracting Officer in writing of such emergency and remedial steps taken as soon as reasonably feasible. Additional compensation or extension of time claimed by the Contractor on account of an emergency may be considered by the Department.

K. **Non-compliance**

The Contracting Officer will notify the contractor of any non-compliance with the foregoing provisions and the action to be taken. If the contractor fails or refuses to comply promptly, the Contracting Officer, with the approval of the Contracting Officer, may issue an order stopping all or part of the work until satisfactory corrective action has been taken. No extension of time or payment for excess costs or damage shall be made for the time lost due to such stop action.

If no corrective action is taken by the contractor within forty-eight (48) hours after a suspension is ordered by the Contracting Officer, the Department reserves the right to take whatever action is necessary to correct the situation and to deduct all costs incurred by the Department in taking such action from moneys due the contractor.

The Contracting Officer may also suspend any operations which he or she feels are creating pollution problems although they may not be in violation of the above-mentioned requirements. In this instance, the work shall be done by Force Account as described in Modification and Force Account provisions herein. The count of

elapsed working days to be charged against the contract in this situation shall be determined by the Contracting Officer upon recommendation of the Manager.

## **6.29 MAINTENANCE OF SITE, CONTROL OF DUST, AND FINAL CLEANUP**

The contractor shall maintain the site of the project in an orderly and clean condition, and shall at suitable intervals and/or at the direction of the Manager, remove accumulations of rubbish or refuse materials, surplus Waterworks materials, concrete mortar, excavated materials and drill cuttings not required or suitable for backfill. Chlorinated water shall not be deposited in the drainage or sewer system of the County of Kaua'i. The contractor shall keep the site, inclusive of vehicular and pedestrian traffic routes through the site, free of dirt, and dust by periodic blading, power brooming, watering or other approve means to the satisfaction of the Manager.

Upon completion and before final acceptance of the work performed under the contract, the contractor shall remove excavated materials, drill cuttings, rubbish, surplus or discarded Waterworks materials, false work, forms, temporary structures, field offices, project signs, signs not a part of the project, and his or her equipment and machinery, and shall leave the site and ground occupied by him in connection with the performance of the contract in an orderly and clean condition. Waterworks facilities constructed, altered, or worked in by the contractor in the performance of the contract shall be left "broom clean," and stains and other blemishes resulting from his or her operations, such as dropped or splattered concrete or mortar and paints, grease or oil, shall be removed from floors, walls, ceiling, windows, Waterworks equipment, pipes, instruments and all other exposed surfaces. All applicable items in section 6.28 shall be completed during final cleanup within the project area. Failure to do so will be grounds for denying final acceptance of the project work and withholding final payment.

## **6.30 RESPONSIBILITY OF THE CONTRACTOR PRIOR TO ACCEPTANCE**

The contractor shall repair, reconstruct, restore and replace the work or any part thereof which is injured or damaged, whatever cause, prior to acceptance of the work by the Manager.

Use by the public without permission of the Department shall not in any way be construed as an acceptance of the work under the contract and shall not in any way relieve the contractor from his or her obligation under the contract. Use of parts of the project completed under the contract by the public with the approval of the Department shall constitute acceptance of such portion of such work by the Department but shall in no way be construed to relieve the Contractor from his or her remaining obligations under the contract and shall in no way be construed as final acceptance of the project as a whole. Use of parts of the project shall not prevent accrual of liquidated damages as laid out in the contract.

Final inspection will be given when all items laid out in the plans, specifications, addendum, punch list and any and all other contract documents are completed. If the Department provides the Contractor with a pre-final punch list of items, final inspection approval will not be given until those items are completed to the satisfaction of the Department. If applicable, failure to attain final approval and/or final acceptance of the

project will result in the accrual of liquidated damages.

All completed facilities that are damaged by the contractor or by his or her negligence to safeguard the facilities from construction activities shall be repaired by the contractor to the satisfaction of the Department or applicable agencies.

In case of suspension in the performance of the work under the contract from any cause whatsoever, the contractor in addition to being responsible for performing the work under the contract shall:

- A. Defend indemnify and save the Department and its officers and employees harmless from liability for any injury or damage occurring during the period that the performance of the contract is suspended.
- B. Be responsible for all materials and equipment delivered to the site of the project, including materials and equipment for which he or she has received partial payment.
- C. Properly store the materials and equipment which have been partially paid for by the Department or which have been furnished by the Department.
- D. Remove immediately as directed by the Contracting Officer all surplus materials, equipment and rubbish.
- E. Neatly and compactly store, only with the approval of the Contracting Officer, all materials and equipment on the site of projects that are not within public highways or streets.
- F. Provide suitable drainage and erect such temporary structures as are necessary to protect the project or parts of the project from damage, and damages to the Department personnel and public.

### **6.31 FINAL INSPECTION**

The Contracting Officer shall make final inspection with representatives of other County or State agencies interested in the contract within seven (7) calendar days after the work performed under the contract is completed and the site of such work has been cleaned as provided in subsections 6.29 and 6.30. The completed project as-built plans shall contain items required in Exhibit M and shall be submitted to the Contracting Officer at the time of final inspection.

### **6.32 FINAL COMPLETION AND FINAL ACCEPTANCE**

Final Completion is defined as when the work is fully completed and in accordance with the Contract Documents, including, without limitation, satisfaction of all punch list items.

In order to obtain a determination of Final Completion, Contractor shall notify the Contracting Officer in writing when the project is complete with no deficiencies and ready for Final Inspection.



Final inspection will be given when all items laid out in the plans, specifications, addendum, punch list and any and all other contract documents are completed. If the Contracting Officer provides the Contractor with a pre-final punch list(s) of items, Final Inspection will not be given until those items are completed to the satisfaction of the Contracting Officer. Final Inspection will be completed in accordance with section 6.31 above.

Final Acceptance is defined as obtaining a designation of Final Completion of the Work and submittal of all necessary documents, including where applicable, but not limited to the following:

1. All written warranties required by the contract.
2. All required "As-Built" drawings.
3. Complete weekly payrolls for both the General and Subcontractors.
4. Certificate of all applicable building permit inspections.
5. Final Report for Specialty Inspections.
6. Certificate of building occupancy as required.
7. Certificate of Soil and Wood Treatments.
8. Certificate of Water System Chlorination.
9. Certificate of Elevator Inspection, Boiler and Pressure Pipe installation.
10. Maintenance Service Contract and two (2) copies of a list of all equipment installed.
11. All operating and maintenance manuals for installed equipment and all associate training to be complete.
12. All other documents required by the Contract.

The Final Acceptance Date shall determine:

1. End of Contract time.
2. Commencement of all warranty periods.
3. Commencement of all maintenance services required in per the Contract.

Failure to attain Final Acceptance of the project will result in the accrual of liquidated damages in accordance with the Contract Documents.

Upon determination of Final Completion, the Contracting Officer will send written notification to the Contractor of the Final Acceptance Date via a Final Inspection of Water Facilities approval letter.

### **6.33 GUARANTEE OF WORK**

- A. All work shall be guaranteed by the Contractor against defects resulting from the use of defective or inferior materials, equipment or workmanship for one year or as otherwise noted in the technical specifications from the date of Final Acceptance of the contract.
  
- B. If, within any guarantee period, repairs or changes are required in connection with the guaranteed work, which in the opinion of the OIC is rendered necessary as a result of the use of materials, equipment or workmanship which are inferior, defective or not in accordance with the terms of the contract, the Contractor shall within five (5) consecutive working days and without expense to the County commence to:
  - 1. Place in satisfactory condition in every instance all of such guarantee work and correct all defects therein; and
  
  - 2. Make good all damages to the building or work or equipment or contents thereof.
  
- C. Whenever a warranty on any product hereinafter specified exceeds one (1) year, this warranty shall become part of this contract thereof. The Contractor shall complete the warranty forms in the name of the County and submit such forms to the manufacturer within such time required to validate the warranty.

### **6.34 CLOSING CONTRACTS**

In order to close a contract, the Contractor shall submit the final payment request and the applicable closing documents by the specified time. In the event that the Contractor should fail to comply with this request, the Contracting Officer may terminate the Contract. The pertinent provisions of **Section 8 REMEDIES** shall be applicable.

## SECTION 7 - PAYMENT

### 7.1 PAYMENT

The contractor shall receive and accept the compensation provided in the contract as full payment for the performance of the contract.

For lump sum contracts, the contract price shall be the result obtained by first reducing the amount designated as the total sum bid or proposal in the award by the amount included therein for allowances and contingencies and adding thereto or deducting therefrom any extra cost or any reduction in cost, respectively, to the Department as a result of supplemental agreements in writing and written orders of the Contracting Officer pursuant to subsection 5.3.

For unit price contracts, the contract price shall be the sum results obtained by multiplying the number of units of such item(s) incorporated in the work under the contract by the unit price therefor. The unit price of an item shall be the amount therefor specified in the bid or proposal, provided that if the number of units of any item needed to perform the required work exceeds or is less than the number specified in the bid or proposal as the Department's estimate of quantity of units required by more than fifteen percent (15%), then a price adjustment shall be made in the unit price for the item by supplemental agreement or, at the option of the Contracting Officer, by first determining the cost of the item on the basis of a Force Account pursuant to subsection 7.4 and dividing the cost by the number of units of the item needed to perform the required work. (Auth: 3-125-10, HAR)

### 7.2 VARIATIONS IN ESTIMATED QUANTITIES

The quantities of the items in the offer form are approximate only, and the Department reserves the right to increase or decrease any of the quantities as the Contracting Officer shall deem necessary or advisable.

A. **Variations Requiring Adjustments.**

Where the quantity of a pay item in this contract is an estimated quantity and where the actual quantity of such pay item varies more than fifteen percent (15%) above or below the estimated quantity stated in this contract, an adjustment in the contract price shall be made upon demand of either party. The adjustment shall be based upon any increase or decrease in costs due solely to the variation above one-hundred fifteen percent (115%) or below eighty-five percent (85%) of the estimated quantity. If the quantity variation is such as to cause an increase in the time necessary for completion, the Contracting Officer shall, upon receipt of a timely written request for an extension of time, prior to the date of final settlement of the contract, ascertain the facts and make such adjustment for extending the completion date as in the judgment of the Contracting Officer the findings justify.

B. **Adjustment in Price.**

Any adjustment in contract price made pursuant to the paragraph immediately above shall be determined according to the price adjustment clause of this contract. (Auth: 3-125-10, HAR)

### 7.3 QUANTITIES AND MEASUREMENTS

All quantities of work to be completed under the contract shall be measured by the Contracting Officer. The contractor shall inform the Contracting Officer when measurements are required. These measurements shall be considered correct and final unless the contractor files a written protest demonstrating the existence of an error within ten (10) calendar days after receipt of such measurement data.

Quantities or measurements indicated in the bid or proposal, if any are given for the convenience of the contractor. It will be assumed that the lump sum bid or proposal and unit prices made by the contractor and the price agreed upon by him are based on a thorough knowledge of the existing conditions and the amount and kind of work to be performed. It is expressly understood and agreed by the contractor that quantities and measurements of the work to be done and the materials to be furnished under this contract which have been estimated, as given are approximate. The contractor further agrees and hereby understands that neither the Manager, Contracting Officer, the Department nor any of their representatives is to be held responsible if such estimated quantities and measurements shall not be found to be the same or even close to the actual quantities and measurements required for the work under the contract. The contractor will make no claim for anticipated profits, or for loss of profits because of a difference between the quantities or measurements of the work actually done, or of materials actually delivered, and the estimated quantities or measurements stated in the bid or proposal. If an error, omission or mis-statement shall be discovered in the quantities or measurements stated in the bid or proposal, the same shall not vitiate the contract, or release the contractor or his or her surety or sureties from performing the contract, or affect the price agreed to under the contract, or excuse the contractor from any of the obligations or liabilities under the contract, or entitle him to damages or compensation, except as provided herein.

### 7.4 FORCE ACCOUNT

In Force Account, the Department will pay for work done according to the following items:

A. **Labor.**

The contractor will receive the wage rate including fringe benefits for actual work engaged by the worker. Fringe benefits are the required amounts by collective bargaining agreement or other employment contract generally applicable to the classes of labor employed. The contractor shall submit the fringe benefits for each class in writing to the Manager for acceptance before the Force Account work begins. The contractor may include foremen when authorized by the Manager.

The Department will pay the contractor an amount equal to thirty-five percent (35%) of the actual labor cost to cover the contractor's and subcontractor's operating expense, indirect and direct overhead and profit.

The Manager will not allow for overtime compensation without the written acceptance of the Manager before performance of that work. For authorized overtime, the Manager will pay one and a half (1-1/2) times the hourly wage rate plus the actual hours of overtime for fringe benefits, and/or as required by collective bargaining agreement.

B. **Insurance and Tax.**

The contractor will receive the projected average rate for the required insurance and taxes including property damage, liability, worker's compensation insurance premiums, State unemployment contributions, Federal unemployment taxes and social security taxes, average tax rate and Medicare taxes. The Manager will add six percent (6%) to the insurance and tax.

The contractor shall submit the projected average rate for taxes and insurance premium for the applicable current year for acceptance by the Manager.

C. **Material.**

The contractor shall receive the actual cost of that material including transportation charges accepted by the Manager, delivered, and incorporated into the work. The Manager will add fifteen percent (15%) to the material cost to cover operating expense, direct overhead, and profit.

D. **Equipment.**

1. Machinery and equipment shall be in good working condition and suitable for the purpose for which the contractor plans to use the machinery and equipment. The Manager may reject any machinery which he or she deems unnecessary, inefficient or inadequate for the work to be performed under Force Account.

2. Individual pieces of equipment or tools having replacement value of two hundred dollars (\$200.00) or less are small tools. The Department will not make payments for small tools.

3. **Rental Rate.**

a. The Department will pay the rental rates at the per-hour rates by dividing the monthly rate for that machinery or equipment by one hundred seventy-six (176). These rental rates are in the "Rental Rate Blue Book for Construction Equipment Volume I" (Rental Blue Book). The Manager will use the edition for the period doing work. The rental rate includes the estimated operating cost per hour and the regional correction factor. The Manager shall review and accept the equipment for use.

b. If the Rental Blue Book does not have the particular type of equipment, the Manager and the contractor shall agree on the rates in writing before its use. This includes rental rates for contractor-owned trucks.

c. For trucks not owned by the contractor, the Hawai'i State Public Utilities Commission shall establish the rental rate. The Department will pay for these as a material item according to Sub-section 7.4.c.

d. The Department may allow rental rates that are higher than the "Rental Blue Book." The contractor will submit a request for such

higher rates in writing for acceptance before using such equipment.

- e. Rental rates include the cost of fuel, oil, lubricant, supplies, attachments, repairs, maintenance, tire wear, depreciation, and storage.
  - f. Rental rates for idle time.
    - i. Idle time is the time period in which the machinery and/or equipment designated for a specific Force Account work is not in use for the work. The time period shall be for a working day (8 hours).
    - ii. The Manager will pay for fifty percent (50%) of the monthly hourly rate excluding the estimated operational cost per hour per working day.
  - g. Rental rates for stand-by time.
    - i. Stand-by time is the time period in which the machinery and equipment are standing by for the specific Force Account work day. A work day shall not exceed eight (8) hours (stand-by time plus the operating time) unless the Manager authorizes the overtime.
    - ii. The Manager will pay at the monthly hourly rate including the estimated operational cost per hour per working day.
  - h. The Manager will pay for authorized overtime for each hour over the normal eight (8) hours shift work day, legal holidays, Saturdays, and Sundays.
4. The Department will only pay for hours worked. The Department will not pay for equipment due to breakdowns.
5. Less than thirty (30) minutes of operation is half (1/2) hour of operation.
6. The cost of transporting the equipment shall not exceed the rates established by PUC. If such rates are non-existent, the Manager will resolve the rates based on the rates charged by established haulers within the State.
7. Payment.
- a. Equipment on the Project Site.
    - i. The rental time shall be the time the equipment is in operation on the Force Account work. Also, the rental time includes the time required to move the equipment to the location of the Force Account and to return the equipment to the original location or to another location requiring no more

time than to return the equipment to its original location. If the contractor uses the equipment at the site of the Force Account work on other than such Force Account work, the Manager will not pay for moving time. Moving time will be paid at the monthly hourly rate including the estimated operational rate and the applicable regional correctional factor.

- ii. When moving the equipment by other than its own power, the Manager will allow loading and transporting costs instead of moving time. If the contractor uses the equipment at the site of the Force Account work on other than such Force Account work, the Manager will not pay for moving time.

Payment for the transporter, if owned by the contractor shall be on the monthly hourly rate including the estimated operational rate and the applicable regional correction factor. Payment for the transporter, if not owned by the contractor, shall be by invoice cost and paid under “material.”

The Manager will pay for the equipment at the rate of “idle time.”

b. Equipment Not on the Project Site.

- i. The Manager shall confirm the location from which the equipment is to move or transport.
- ii. If the contractor transports the equipment to the site for the exclusive use of the Force Account work, the Department will pay the cost of mobilizing and transporting the equipment from its original location to the site of the Force Account work. This includes loading and unloading. Also, the Manager will pay the cost of demobilizing and transporting the equipment back to its original location or to another location, whichever cost is less.
- iii. For self-propelled equipment, the Department will pay the cost of moving the equipment by its own power from its original location to the site of the Force Account work. Also, the Department will pay the cost of moving the equipment back to its original location or to another location, whichever cost is less.

The Manager will pay for the equipment at the monthly hourly rate including the estimated operational rate and the applicable regional correction factor.

The Manager will pay for the contractor-owned escort for the

self-propelled equipment at the monthly hourly rate including the estimated operational rate and the applicable regional correction factor. The Manager will pay for escort not owned by the contractor under material with an invoice.

- iv. If the contractor desires the return of the equipment to another location, the Department will pay the cost of transportation according to the above provisions, provided such payment does not exceed the cost of moving the equipment to the project site.
- v. If the contractor uses the equipment on the project site in ways other than on Force Account work, the Department will pay the cost of transporting the equipment to the job site. The contractor shall bear the cost of returning the equipment.
- vi. The Manager will begin the rental period at the time the equipment is unloaded at the site of work or at the time specified, whichever is later. The Manager will include each day that the machinery or equipment is at the site of the Force Account work. The rental period will terminate when the Manager orders the contractor to discontinue the use of the machinery or equipment.
- vii. If the equipment goes on stand-by because of delays in design, traffic, or other related problems uncontrollable by the contractor, the rental rate and rental period will be at the monthly hourly rate of not more than eight (8) hours per day.
- viii. If the equipment goes “idle” from the event of the previous work day, the Manager will make the rental rate and rental period under “idle time” excluding Saturdays, Sundays, and legal holidays until the Manager orders the contractor to discontinue or demobilize the machinery or equipment.

E. **Subcontracting.**

The contractor shall receive an additional amount equal to five percent (5%) of the total cost of that work computed as set forth above when the accepted subcontractors work on a Force Account basis.

F. **Bond.**

The Manager will add a bond allowance of one percent (1%) to the total sum determined in (A) through (E).

G. **State Excise Tax.**

The Manager will add a State Excise Tax (4.166%) to the total sum determined in (A) through (F) as stated in HRS 237.

The contractor shall consider the compensation as determined in (A), (B), (C), (D),



(E), (F), and (G) above to be payment in full for work done on a Force Account basis, including superintendence, overhead, use of non-rental tools and equipment, profit, taxes and subcontracting.

H. **Records.**

The authorized representative of the contractor and the authorized representative of the Manager shall verify and sign the Force Account worksheet each day for work done on a Force Account basis. These records shall be the basis for payment of the Force Account work.

I. **Statements.**

The Manager will not make payment for work done on a Force Account basis until the contractor submits duplicate, itemized statements of the cost of that Force Account work, as authorized by the Manager, and:

1. Title. Contract number, its name or with the subcontractor's name, date, project title, contract change order number, project number, item number and item description.
2. Labor. Name of worker, classification, quantity of workers, daily hours, unit, rate of pay, extension of each worker, the fringe benefits amount payable if there are fringe benefits, and the extension for its operating expense, overhead and profit.
3. Insurance Rate - Average Tax. Cost for property damage, liability, workmen's compensation insurance premiums, average tax rate of State unemployment contributions, Federal unemployment taxes and social security taxes.
4. Materials. Description of the material, quantity of material, prices, extensions, cost of transporting materials, wholesale tax, and the extension for its operating expense, overhead, and profit. Include the cost of transporting materials only if the prices of the materials do not reflect that cost.
5. Equipment. Equipment classification, quantity of equipment, daily hours, unit, rental rate, extension for each unit of machinery and equipment.
6. The contractor shall type or write the description of work done for the day. The contractor shall have an authorized representative sign the two (2) copies. The authorized representative will initial the copies if the signatures are from a copy machine.

The contractor shall accompany and support the statements by invoices for transportation charges and materials used. If materials used on the Force Account work are not specifically purchased for such work but the contractor took the material from its stock, the Manager may request verification of material payment instead of invoices. The contractor shall submit an affidavit certifying that:

- a. The contractor took such materials from his or her stock,
  - b. The contractor used the quantity claimed used, and
  - c. The price and transportation claimed represent the actual cost.
7. The Manager may make payments of the Force Account work individually by labor, materials and equipment with the compliance of each item.

## **7.5 PAYMENTS DURING PERFORMANCE OF WORK**

The Contracting Officer, prior to the commencement of work under the contract will submit to the Contractor a schedule of values of the various parts of the work, including quantities, aggregating the total sum of the contract, made out in such form as the Contracting Officer and the contractor may agree upon, and, if required, supported by such evidence as to its correctness as the Contracting Officer, may direct. The schedule, as approved by the Contracting Officer, shall be used as a basis for payment under the contract.

The Contractor shall, not later than the last day of each month during the performance of the contract, make an estimate of the amount of work done in accordance with the contract during that month, deducting sufficient allowance for incomplete or unprotected work or to provide for any contingency for known defects or known damage to said work or for the necessity of performing any part of the work over again to cure such defects or damage.

The Department will retain five percent (5%) of the amount due under the contract to the contractor to insure the proper performance of the contract. After fifty percent (50%) of the contract is completed and progress of work is satisfactory, no additional sums for retainage shall be withheld. However, if progress of work is not satisfactory, the Department may continue to withhold as retainage, sums not exceeding five percent (5%) of the amount due the contractor. The Department will hold the retainage amount until completion, in an acceptable manner of all the work as indicated in the Plans and Specifications. The monthly estimate as ascertained hereinabove, less the retainage and previous payments, will be certified and paid to the contractor. The monthly estimates must be accompanied by an updated full performance schedule per section 6.2 and Hawai'i Residency Act 103B Compliance Form.

## **7.6 PAYMENT FOR DELIVERED MATERIALS**

Unless the contractor submits a paid invoice for the materials, the Department will not make payment for materials under this subsection.

The Department may pay the contractor:

- A. The cost of accepted material to be incorporated in the work, and
- B. When the contractor delivers such materials to the project and stored in acceptable storage places near the project.

Also, the Department may pay the contractor:

- A. For cost of accepted materials furnished and acceptably stored in a fabricator's yard provided such storage yard is on Kaua'i and
- B. If the contractor furnishes evidence that the materials are for use on the project. The contractor shall not use that material elsewhere.

The Department will not exceed the bid or proposal price of that item for payments authorized in this subsection. The contractor shall not consider payment of the material as final acceptance. The contractor shall be responsible for those materials.

Payment for material does not relieve the contractor of his or her obligations to furnish material acceptable to the Manager and to incorporate properly the material into the project according to the contract.

The Department will not make material payment on living or perishable plant material.

## 7.7 FINAL INSPECTION - FINAL PAYMENT

After completion of all the work required under the contract and Final Acceptance, as defined in Section 6.32 thereof by the Contracting Officer, the contractor will be paid the balance due in accordance with the Manager's final estimate of the construction actually performed, provided that final payment will be made only with the approval of the Contracting Officer, and the written consent to the surety or sureties on the contractor's bond after receipt of a Tax Clearance certificate from the Director of Taxation of the State of Hawai'i and Internal Revenue Service as provided in Section 103-53, HRS, as amended, and certification from the Department that any and all outstanding bills of the Contractor and subcontractors due and owing to the Department are paid.

## 7.8 PROMPT PAYMENT BY CONTRACTORS TO SUBCONTRACTORS

### A. Prompt Payment Clause

1. **Generally.** Any money paid to a contractor shall be disbursed to subcontractors within ten (10) days after receipt of the money in accordance with the terms of the subcontract; provided that the subcontractor has met all the terms and conditions of the subcontract and there are no bona fide disputes on which the procurement agency has withheld payment.
2. **Final payment.** Upon final payment to the contractor, full payment to the subcontractor, including retainage, shall be made within ten days after receipt of the money; provided that there are no bona fide disputes over the subcontractor's performance under the subcontract.
3. **Penalty.** The Contracting Officer or the contractor, as applicable, will be subject to a penalty of one and one-half percent (1.5%) per month upon outstanding amounts due that were not timely paid by the responsible

party under the following conditions. Where a subcontractor has provided evidence to the contractor of satisfactorily completing all work under their subcontract and has provided a properly documented final payment request as described in paragraph (4) herein, and:

- a. Has provided to the contractor an acceptable performance and payment bond for the project executed by a surety company authorized to do business in the State, as provided in section 103-32.1, HRS; or
  - b. The following has occurred:
    - i. A period of ninety (90) days after the day on which the last of the labor was done or performed and the last of the material was furnished or supplied has elapsed without written notice of a claim given to contractor and the surety, as provided for in section 103D-324, HRS; and
    - ii. The subcontractor has provided to the contractor, an acceptable release of retainage bond, executed by a surety company authorized to do business in the State, in an amount of not more than two (2) times the amount being retained or withheld by the contractor; any other bond acceptable to the contractor; or any other form of mutually acceptable collateral, then, all sums retained or withheld from a subcontractor and otherwise due to the subcontractor for satisfactory performance under the subcontract shall be paid by the Contracting Officer to the contractor and subsequently, upon receipt from the Contracting Officer, by the contractor to the subcontractor within the applicable time periods specified in paragraph (2) herein and section 103-10, HRS. The penalty may be withheld from future payment due to the contractor, if the contractor was the responsible party. If a contractor has violated paragraph (2) herein three (3) or more times within two (2) years of the first violation, the contractor shall be referred by the Contracting Officer to the contractors license board for action under section 444-17(14), HRS.
4. A properly documented final payment request from a subcontractor, as required by paragraph (3) herein, shall include:
- a. Substantiation of the amounts requested;
  - b. A certification by the subcontractor, to the best of the subcontractor's knowledge and belief, that:

- i. The amounts requested are only for performance in accordance with the specifications, terms, and conditions of the subcontract;
  - ii. The subcontractor has made payments due to its subcontractors and suppliers from previous payments received under the subcontract and will make timely payments from the proceeds of the payment covered by the certification, in accordance with their subcontract agreements and the requirements of this section; and
  - iii. The payment request does not include any amounts that the subcontractor intends to withhold or retain from a subcontractor or supplier in accordance with the terms and conditions of their subcontract; and
- c. The submission of documentation confirming that all other terms and conditions required under the subcontract agreement have been fully satisfied.

The Contracting Officer shall return any final payment request that is defective to the contractor within seven (7) days after receipt, with a statement identifying the defect.

5. In the case of a construction contract, a payment request made by a contractor to the Contracting Officer that includes a request for sums that were withheld or retained from a subcontractor and are due to a subcontractor may not be approved under paragraph (3) herein unless the payment request includes :
- a. Substantiation of the amounts requested; and
  - b. A certification by the contractor, to the best of the contractor's knowledge and belief, that:
    - i. The amounts requested are only for performance in accordance with the specifications, terms, and conditions of the contract;
    - ii. The subcontractor has made payments due to its subcontractors and suppliers from previous payments received under the contract and will make timely payments from the proceeds of the payment covered by the certification, in accordance with their subcontract agreements and the requirements of this section; and
    - iii. The payment request does not include any amounts that the contractor intends to withhold or retain from a

subcontractor or supplier in accordance with the terms and conditions of their subcontract.

The Contracting Officer shall return any final payment request that is defective to the contractor within seven (7) days after receipt, with a statement identifying the defect.

6. This section shall not be construed to impair the right of a contractor or a subcontractor at any tier to negotiate and to include in their respective subcontracts provisions that provide for additional terms and conditions that are requested to be met before the subcontractor shall be entitled to receive final payment under paragraph (3) herein; provided that any such payments withheld shall be withheld by the Contracting Officer. (HAR 3-125-23)

## SECTION 8 - REMEDIES

### 8.1 DISPUTES

- A. The resolution of controversies or claims, by mutual agreement, in excess of \$50,000 shall be subject to prior written approval of the Manager. (HAR 3-126-27)
- B. All controversies between the Department and the contractor not exceeding \$50,000 which arise under, or are by virtue of, this contract and which are not resolved by mutual agreement, shall be decided by the Manager in writing, within ninety (90) calendar days after a written request by the contractor for a final decision concerning the controversy. For claims exceeding \$50,000, a decision will be issued ninety (90) calendar days after receipt of a written claim; provided that if a decision is not issued within ninety (90) calendar days, the Manager will notify the Contractor of the time within which such decision will be made. This additional time period will depend on the size and complexity of the claim and the adequacy of the Contractor's supporting data and other relevant factors. If the Manager does not issue a written decision within the specified time period, then the contractor may proceed as if an adverse decision has been received.
- C. All controversies involving claims asserted by the Department against the contractor which cannot be resolved by mutual agreement shall be the subject of a decision by the Manager.

The Manager shall immediately furnish a copy of the decision to the contractor, by certified mail, return receipt requested, or by any other method that provides evidence of receipt.

- D. Any such decision shall be final and conclusive, unless fraudulent, or unless the contractor brings an action seeking judicial review of the decision in the Fifth Circuit Court of the State of Hawai'i within six (6) months from the date of receipt of the decision.
- E. The contractor shall comply with any decision of the Manager and proceed diligently with performance of this contract pending final resolution by the Fifth Circuit Court of the State of Hawai'i of any controversy arising under, or by virtue of, this contract, except where there has been a material breach of contract by the Department; provided that in any event the contractor shall proceed diligently with the performance of the contract where the Manager has made a written determination that continuation of work under the contract is essential to the public health and safety. (Auth: 3-126-31, HAR)
- F. If a reduction in cost or extra cost to the Department is the result of a written order of the Manager pursuant to subsection 5.3 and/or 5.4 cannot be agreed, the amount of such cost shall be determined on the basis of a Force Account pursuant to subsection 7.4.

### 8.2 CLAIMS BASED ON ORAL DIRECTIVES

Not more than five (5) days after receipt of the written notice from the contractor that the contractor intends to treat an oral directive as a change order (in accordance with Section 5.3 herein), the Contracting Officer shall issue a change order for the subject work if the Contracting Officer agrees that it constitutes a change. If no change order is issued in the time established, it shall be deemed a rejection of contractor's claim for a change. If the contractor objects to the Contracting Officer refusal to issue a change order, it shall file a written protest with the Manager within thirty days after delivery to the Manager of the contractor's written notice of its intention to treat the oral order as a change. In all cases, the contractor shall proceed with the work. The protest shall be determined as provided in the disputes and claims section of the contract. (Auth: 3-125-16, HAR)

### **8.3 DEFAULT, DELAY AND TIME EXTENSIONS**

A. **Default.**

If the contractor refuses or fails to perform the work, or any separable part thereof, with such diligence as will assure its completion within the time specified in this contract, or any extension thereof, fails to complete the work within such time, or commits any other substantial breach of this contract, and further fails within seven (7) days after receipt of written notice from the Contracting Officer to commence and continue correction of the refusal or failure with diligence and promptness, the Contracting Officer may, by written notice to the contractor, declare the contractor in breach and terminate the contractor's right to proceed with the work or the part of the work as to which there has been delay or other breach of contract. In the event, the Department may take over the work and perform the same to completion, by contract or otherwise, and may take possession of, and utilize in completing the work, the materials, appliances, and plants as may be on the site of the work and necessary therefore. Whether or not the contractor's right to proceed with the work is terminated, the contractor and the contractor's sureties shall be liable for any damage to the Department resulting from the contractor's refusal or failure to complete the work within the specified time.

B. **Liquidated damages upon termination.**

If fixed and agreed liquidated damages are provided in the contract, and if the Department so terminates the contractor's right to proceed, the resulting damage will consist of the liquidated damages for the time as may be required for final completion of the work.

C. **Liquidated damages in absence of termination.**

If fixed and agreed, liquidated damages are provided in the contract, and if the Department does not terminate the contractor's right to proceed, the resulting damage will consist of such liquidated damages until the contractor's work is completed and final acceptance given by the Department per section 6.32.



D. **Time extension.**

The contractor's right to proceed shall not be so terminated nor the contractor charged with resulting damage if:

1. The delay in the completion of the work arises from causes beyond the Contractor's control such as: acts of God; acts of the public enemy; acts of the Department, County, State and any other governmental entity in either a sovereign or contractual capacity; acts of another contractor in the performance of a contract with the Department; fires; floods; epidemics; quarantine restrictions; strikes or other labor disputes; freight embargoes; unusually severe weather; delays of subcontractors due to causes similar to those set forth above; or shortage of materials; provided, however, that no extension of time will be granted for a delay caused by the failure on the part of the contractor and/or subcontractor to diligently perform his or her duties as it relates to any governmental agency in a timely manner; provided further, however, that no extension of time will be granted for a delay caused by a shortage of materials, unless the contractor furnishes to the Manager proof that the contractor has diligently made every effort to obtain such materials from all known sources, and further proof that the inability to obtain the materials when originally planned did in fact cause a delay in final completion of the entire work which could not be compensated for by revising the sequence of the contractor's operations; and
2. The contractor, within ten (10) calendar days from the beginning of any such delay (unless the Contracting Officer grants a further period of time before the date of final payment under the contract), notifies the Contracting Officer in writing of the causes of delay. The Contracting Officer shall ascertain the facts and the extent of the delay and extend the time for completing the work when, in the judgment of the Contracting Officer, the findings of fact justify such an extension.

The following is required in writing when notifying the Contracting Officer of any such delay:

- A. Justification/narrative
- B. Supporting documentation
  - i. RFI's, change orders, letters/notices
- C. Description of impact (list of affected activities)
- D. Time analysis impact to be included.

The Contracting Officer shall have twenty (20) working days to approve or deny such request.

3. Rainout days are not covered by items 1 and 2 above. All rainout days shall be requested by the contractor to the Contracting Officer on the same calendar day of the rainout. Failure by the contractor to make the request within the day of the rainout shall be grounds for denial of the rainout for that particular calendar day.

The following is required in writing when notifying the Contracting Officer of any such delay:

- A. Justification/narrative
- B. Description of impact (list of affected activities)
- C. Time analysis impact to be included.

The Contracting Officer shall have twenty (20) working days to approve or deny such request.

- E. **Any additional rights and remedies.** The rights and remedies of the Department provided in this claim are in addition to any other rights and remedies provided by law or under this contract.

#### **8.4 SUSPENSION OF WORK**

- A. The Contracting Officer may by written order, suspend the performance of the work, either in whole or in part for such periods as the Manager may deem necessary for any cause, including but not limited to:
  - 1. Weather or soil conditions considered unsuitable for prosecution of the work;
  - 2. Failure on the part of the contractor to:
    - a. Correct conditions unsafe for the general public or for the workers;
    - b. Carry out orders given by the Manager;
    - c. Perform the work in strict compliance with the provisions of the contract; or
    - d. Provide adequate supervision on the jobsite.
  - 3. Whenever a redesign that may affect the work is deemed necessary by the Contracting Officer;
  - 4. Unacceptable noise or dust arising from the construction even if it does not violate any law or regulation; or
  - 5. The convenience of the Department.
- B. Suspension of work on some but not all items of work shall be considered a “partial suspension”. Suspension of work on all items shall be considered “total suspension”. The period of suspension shall be computed from the date set out in the written order for work to cease until the date of the order for work to resume.
- C. In the event that the contractor is ordered by the Contracting Officer in writing as provided herein to suspend all work under the contract in accordance with the above paragraphs 3, 4, or 5, the contractor may be reimbursed for actual money expended towards the project during the period of suspension. No allowance will be made for anticipated profits.

- D. If the performance of all or any part of the work is, suspended, for reasons beyond the control of the contractor, an adjustment shall be made for any increase in the cost of performance of this contract (excluding profit) necessarily caused by such suspension, and the contract modified in writing accordingly. However, no adjustment shall be made under this clause for any suspension:
1. To the extent that performance would have been so suspended, delayed, or interrupted by any other cause, including the fault or negligence of the contractor; or
  2. For which an adjustment is provided for or excluded under any other provisions of the contract.
- E. Claims for adjustment. Any adjustment in contract price made pursuant to this clause shall be determined in accordance with the provisions on changes and claims for adjustment. Claims for the compensation shall be filed in writing with the Manager within thirty days after the date of the order to resume work or the claims will not be considered. Together with the claim, the contractor shall submit substantiating documents covering the entire amount shown on the claim. The Manager shall take the claim under consideration and may make such investigations as are deemed necessary. The Contracting Officer shall be the sole judge as to the equitability of the claim and the Contracting Officer's decision shall be final.
- F. No adjustment. No provision of this subsection shall entitle the contractor to any adjustments for delays due to failure of surety, for suspensions made at the request of the contractor, for any delay required under the contract, for suspensions, either partial or whole, made by the Manager under the provisions in subparagraph A2. (Auth: 3-125-7, HAR)

## **8.5 TERMINATION OF CONTRACT - WORK MAY BE TAKEN OVER BY DEPARTMENT**

The Department may terminate the contract, or require the work therein to be completed by the surety or sureties under the contractor's bond or take over such work as hereinafter provided without terminating the contract, if the contractor:

- A. fails to begin work under the contract at the time required,
- B. is unnecessarily delaying the performance of the contract or any part thereof,
- C. is failing to perform the contract with sufficient or adequate workmen, equipment or materials or is not making sufficient progress to ensure the completion of the contract within the time specified,
- D. fails to perform the contract in accordance with directions of the Manager,
- E. discontinues performance of the contract,

- F. fails to re-commence performance of the contract within a reasonable time after service of a written order to do so if the performance had been suspended,
- G. becomes insolvent or is declared bankrupt,
- H. commits any act of bankruptcy or insolvency,
- I. allows any final judgment to stand against him unsatisfied for a period of ten (10) days,
- J. makes an assignment for the benefit of creditors,
- K. fails to pay for all labor, tools, materials, and equipment,
- L. has been or is paying wages to any laborer or mechanic employed on the job site at a rate below the minimum rate specified in the contract,
- M. has failed to pay full compensation for overtime work by any such laborer or mechanic,
- N. has abandoned the performance of the contract,
- O. has made unjustifiable and substantive changes from the condition set forth in his or her original itemized bid or proposal,
- P. or violates or fails to perform the contract in accordance with the terms, covenants, conditions, provisions and intent thereof.

Whenever the Contracting Officer is not satisfied with the performance of the contract the Contracting Officer, with the approval of the Contracting Officer, may make specified orders as to the progress or conduct of such work, giving the contractor a definite period within which to comply with such orders; or whenever the contractor shall be in default in any particular requirement, the Contracting Officer, with the approval of the Contracting Officer Manager, shall serve the contractor, or its authorized representatives, with a written notice to remedy said default or any part thereof within fourteen (14) calendar days after notice thereof, serving copies of such notice to the surety or sureties of the contractor, as the case may be. If, after the expiration of the time of such notice, the contractor fails to comply with the notice, or the default continues, the Contracting Officer, with the approval of the Contracting Officer Manager, may order all payment under the contract to cease and the work to be discontinued. Upon such order the contractor shall discontinue the work. Failure on the part of the Department to order a discontinuance of the work or payment for the same shall in no event be construed as an acceptance of the work, nor as a waiver of any failure or any default. (Auth: 3-125-16, HAR [generally]).

Immediately upon or after ordering the contractor to discontinue the work, the Contracting Officer Manager may require the completion of the contract by the surety or sureties upon the contractor's bond, or (without prejudice to the Department to rely upon said bond), the Department's contract to a second contractor or contractors, or may direct DOW employees to enter upon the work and to use such materials, tools and equipment as he or she may find

upon the work and to procure labor, additional tools, materials and equipment for the completion of the work, and to complete said work in such a manner as he or she may deem advisable, and in such event the cost or expenses of completing the work and the delay resulting therefrom shall be a charge against the contractor and/or surety or sureties.

## 8.6 TERMINATION FOR CONVENIENCE

- A. Terminations. In addition to any other reason specified in subsection 8.5 above, the Contracting Officer may, with approval of the Manager, when the interests of the Department so require, terminate this contract in whole or in part, for the convenience of the Department. The Contracting Officer shall give written notice of the termination to the contractor specifying the part of the contract terminated and when termination becomes effective.
- B. Contractor's obligations. The contractor shall incur no further obligations in connection with the terminated work and on the date set in the notice of termination the contractor will stop work to the extent specified. The contractor shall also terminate outstanding orders and subcontracts as they relate to the terminated work. The contractor shall settle the liabilities and claims arising out of the termination of subcontracts and orders connected with the terminated work subject to the Department's approval. The Contracting Officer, upon recommendation by the Manager, may direct the contractor to assign the contractor's right, title, and interest under terminated orders or subcontracts to the Department. The contractor must still complete the work not terminated by the notice of termination and may incur obligations as necessary to do so.
- C. Right to construction and goods. The Contracting Officer may, upon recommendation by the Manager, require the contractor to transfer title and deliver to the Department in the manner and to the extent directed by the Contracting Officer:
1. Any completed constructions; and
  2. The partially completed construction, books, materials, parts, tools, dies, jigs, fixtures, plans, drawings, information, and contract rights (hereinafter called "construction material") as the contractor has specifically produced or specially acquired for the performance of the terminated part of this contract.

The contractor shall protect and preserve property in the possession of the contractor in which the Department has an interest. If the Contracting Officer does not exercise this right, the contractor shall use best efforts to sell the construction, goods, and construction materials in accordance with the standards of section 490:2-706, HRS. This in no way implies that the Department has breached the contract by exercise of the termination for convenience clause.

- D. Compensation.
1. The contractor shall submit a termination claim specifying the amounts due because of the termination for convenience together with cost or pricing data, submitted to the extent required by subchapter 15, chapter 3-122, HAR,

bearing on such claim. If the contractor fails to file a termination claim within one (1) year from the effective date of termination, the Contracting Officer, upon recommendation of the Manager, may pay the contractor, if at all, an amount set in accordance with subparagraph 8.6D3(b) of this subsection.

2. The Contracting Officer, upon recommendation of the Manager, and the contractor may agree to a settlement provided the contractor has filed a termination claim supported by cost or pricing data submitted as required and that the settlement does not exceed the total contract price plus settlement costs reduced by payments previously made by the Department, the proceeds of any sales of construction, goods, and construction materials under subparagraph 8.6D3(c), and the contract price of the work not terminated.
3. Absent complete agreement under paragraph 8.6D2 of this subsection, the Contracting Officer, upon notice from the Manager, shall pay the contractor the following amounts, provided payments under paragraph 8.6D2 of this subsection shall not duplicate payments under this paragraph the total (without duplication of any items) of:
  - a. The cost of all contract work performed prior to the effective date of the notice of termination work plus a five percent (5%) markup on actual direct costs on the portion of the work (the markup shall not include anticipatory profit or consequential damages) less amounts paid or to be paid for completed portions of the work; provided, however, that if it appears that the contractor would have sustained a loss if the entire contract would have been completed, no markup shall be allowed or included and the amount of compensation shall be reduced to reflect the anticipated rate of loss;
  - b. Subject to the prior approval of the Contracting Officer, the costs of settling and paying claims arising out of the termination of subcontracts or orders pursuant to “contractor’s obligations” provisions of this contract. Subcontractors shall be entitled to a markup of no more than ten percent (10%) on direct costs incurred to the date of termination.

These costs must not include costs paid in accordance with clause 8.6D3a.;
  - c. The total sum to be paid the contractor under this paragraph shall not exceed the total contract price reduced by the amount of any sales of construction, goods, and construction materials under subsection 8.3C, and the contract price of work not terminated.
4. Cost claimed, agreed to, or established under paragraphs 8.3D2 and 8.3D3 of this subsection shall be in accordance with chapter 3-123, HAR

## **8.7 COSTS OF COMPLETING CONTRACT**

The contractor and/or his or her surety or sureties shall pay the Department for all costs incurred to complete the work under the contract if the Department takes the work out of the hands of the contractor pursuant to the provisions of Subsection 8.5, and for damages for any delay in the performance of the contract.

## **8.8 DAMAGES FOR DELAY**

### **A. Liquidated Damages.**

The amount of damage to the Department as a result of failure to complete the work under the contract within the time fixed or any extension thereof, exclusive of overhead expenses, being certain but difficult, if not impossible, to ascertain, the contractor agrees to pay the sum stated in the contract as liquidated damages, and not by way of penalty, for every day of delay until the work under the contract is completed and accepted, or a reasonable time has expired for completion and acceptance of the portion of the contract remaining to be performed if the Department takes the work under the contract out of the hands of the contractor.

## **8.9 DAMAGES FOR EXTRA EXPENSES IMPOSED ON DEPARTMENT**

The contractor shall pay the Department for all the expenses incurred in re-doing any of the Department's obligations under the contract due to any actions or conduct of the contractor, including the replacing of marks or stakes set by the Manager.

## **8.10 DEFECTIVE WORK**

Any defective work, workmanship or materials that may be discovered in the performance of the contract before its acceptance or within one (1) year thereafter as provided in the performance bond, shall be replaced by the contractor with work and materials that conform to the contract at no cost or expense to the Department. The fact that the Manager may have overlooked defective work during the performance of the contract shall not constitute the acceptance of the same. No payment, whether partial or final, shall be construed to be an acceptance of any defective work, workmanship or materials in the work performed under the contract.

The Contracting Officer may at any time, stop the performance of the contract or any portion thereof which is not being done in accordance with a contract by written order. Such order shall not in any way relieve the contractor from performing the contract and shall not in any way terminate, cancel or abrogate the contract or any part thereof; and the Department shall not in any way be responsible for the delay due to stopping the performance of the contract or any portion thereof as aforesaid.

The Contractor shall provide a warranty on the project work for one year after final inspection date as reflected in the final inspection letter.

## **8.11 UNAUTHORIZED PERFORMANCE**

Performance of any work beyond the lines and grades shown on the plans or established by

the Contracting Officer or performance of any extra work without written order will be considered as unauthorized and will not be paid for. The Contracting Officer may require the removal of such work by service of a written order upon the contractor. If the contractor fails to comply promptly with such order, the Department shall remove such work and the contractor shall pay the Department for all expenses incurred in the removal of such work.

## **8.12 AUTHORITY TO WITHHOLD MONEY DUE OR PAYABLE**

The Department may withhold such amounts from the money due or to become payable under the contract to the contractor, or any assignee under subsection 5.6, as may be necessary to:

- A. Protect the Department from any liability resulting from the work performed under this contract;
- B. Satisfy any obligation of the contractor or its subcontractors to the Department, including obligations not relating to the contract, and the obligation of the contractor to the workmen, subcontractors, and materialmen who have performed labor or furnished material and equipment under the contract as provided by law; and
- C. Repair, restore, or compensate for, any real or personal property located within the project site or in the vicinity thereof which has been damaged as a result of the fault or negligence of the contractor while performing the work under this contract; provided that the estimated amount of damages for each separate property shall not be in excess of five hundred dollars (\$500.00).

The Department may make such payments from such amounts withheld as may be necessary to cause the repair or restoration of the damaged properties or to compensate therefor, to discharge such obligation as provided under paragraph B above, and to protect the Department from any liability resulting from the work performed under this contract; provided, however, before making any payment for damages to property prescribed in paragraph C above, the Department through the Manager shall request the contractor in writing to undertake the repair or restoration of the damaged property or make compensation therefor. If the contractor fails or refuses to make such repair, restoration or compensation to the satisfaction of the Manager within thirty (30) calendar days after such notification, the Department may make the necessary payments.

## **8.13 SPECIAL EMERGENCY TERMINATION**

In the event of a finding by the Manager and approved by the Contracting Officer that a national emergency exists which creates a shortage of materials, labor, or equipment and that such emergency will probably continue to exist for an indefinite length of time, or that funds are no longer available to the Department by reason of which the contractor will be unable to perform the work under the contract, the Department may cancel all remaining work required to be performed under the contract by written order.

Upon such cancellation, the Department shall pay the contractor the amount hereinafter provided. For lump sum contracts, an agreed upon price for the performance of the contract up to the time of cancellation, or at the option of the Manager, a price for such performance



determined on the basis of a Force Account pursuant to subsection 7.4. For unit price contracts, the sum of the results obtained by multiplying the number of units of each item incorporated into the parts of the project performed under the contract up to the time of cancellation by the unit price therefor. For both lump sum and unit price contracts, the contractor shall also be paid for such expenditures as in the judgment of the Manager are not otherwise compensated for and are require in the preparation and moving of equipment and materials to the site of the project, the intent being that an equitable settlement shall be made with the contractor. No claim for loss of anticipated profits, however, shall be made or considered.

Materials obtained by the contractor for the project, that have been inspected, tested, and accepted by the Manager, and that are not incorporated in the work under the contract, and which have been properly stored and maintained, will be purchased from the contractor at actual cost as shown by receipted bills or other proper evidence of actual cost at such points of delivery as may be designated by the Manager.

#### **8.14 REMEDIES NOT EXCLUSIVE**

The express provision herein of certain measures which may be exercised by the Department for its protection shall not be construed to preclude the Department from exercising any other or further legal or equitable right to protect its interest.

#### **8.15 REMEDIES**

Any dispute arising under or out of this solicitation or contract is subject to chapter 3-126, HAR. (Auth: 3-125-24, HAR)

APPROVED:

  
\_\_\_\_\_  
Manager & Chief Engineer

May 19, 2016  
Date

**EXHIBIT A – SURETY [BID][PROPOSAL] BOND**

**SURETY [BID] [PROPOSAL] BOND**  
(11/15/11)

Bond No. \_\_\_\_\_

**KNOW TO ALL BY THESE PRESENTS:**

That we,

\_\_\_\_\_  
(full name or legal title of offeror)

as Offeror, hereinafter called Principal, and

\_\_\_\_\_  
(name of bonding company)

as Surety, hereinafter called Surety, a corporation authorized to transact business as a Surety in the State of Hawai‘i, are held and firmly bound unto the Department of Water, County of Kaua‘i, as Owner, hereinafter called the Owner, in the penal sum of

\_\_\_\_\_  
(required amount of bid/proposal security)

Dollars (\$ \_\_\_\_\_), lawful money of the United States of America, for the payment of which sum well and truly to be made, the said Principal and the said Surety bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

**WHEREAS:**

The Principal has submitted an offer for \_\_\_\_\_

\_\_\_\_\_  
(project by number and brief description)

**NOW, THEREFORE:**

The condition of this obligation is such that if the Department of Water, County of Kaua‘i, shall reject said offer, or in the alternate, accept the offer of the Principal and the Principal shall enter into a Contract with the Department of Water, County of Kaua‘i, in accordance with the terms of such offer, and give such bond or bonds as may be specified in the solicitation or Contract Documents with good and sufficient surety for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof as specified in the solicitation then this obligation shall be null and void, otherwise to remain in full force and effect.

Signed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

(Seal)

\_\_\_\_\_  
Name of Principal (Offeror)

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title  
(Seal)

\_\_\_\_\_  
Name of Surety

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

SURETY [BID] [PROPOSAL] BOND (EXHIBIT A)

# EXHIBIT B – PERFORMANCE BOND (SURETY)

## PERFORMANCE BOND (SURETY)

(11/15/11)

### KNOW TO ALL BY THESE PRESENTS:

That

\_\_\_\_\_  
(full legal name and street address of Contractor)

as Contractor, hereinafter called the Principal, and

\_\_\_\_\_  
(name and street address of bonding company)

as Surety, hereinafter called Surety, a corporation(s) authorized to transact business as a Surety in the State of Hawai'i, are held and firmly bound unto the Department of Water, County of Kauai, its successors and assigns, hereinafter called Obligee, in the amount of

\_\_\_\_\_  
Dollars (\$ \_\_\_\_\_), to which payment Principal and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

**WHEREAS**, the above-bound Principal has signed a Contract with Obligee

\_\_\_\_\_, for the following project:

\_\_\_\_\_  
hereinafter called Contract, which Contract is incorporated herein by reference and made a part hereof.

**NOW, THEREFORE**, the condition of this obligation is such that:

If the Principal shall promptly and faithfully perform, and fully complete the Contract in strict accordance with the terms of the Contract as said Contract may be modified or amended from time-to-time; then this obligation shall be void; otherwise to remain in full force and effect.

Surety to this Bond hereby binds and agrees that no changes, extensions of time, alterations, or additions to the terms of the Contract, including the work to be performed thereunder, and the specifications or drawings accompanying same, shall in any way affect its obligation on this bond, and it does hereby waive notice of any such changes, extensions of time, alterations, or additions, and agrees that they shall become part of the Contract.

In the event of Default by the Principal, of the obligations under the Contract, then after written Notice of Default from the Obligee to the Surety and the Principal and subject to the limitation of the penal sum of this bond, Surety shall remedy the Default, or take over the work to be performed under the Contract and complete such work, or pay moneys to the Obligee in satisfaction of the surety performance obligation on this bond.

Signed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

(Seal)

\_\_\_\_\_  
Name of Principal (Contractor)

\*  
\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title  
(Seal)

\_\_\_\_\_  
Name of Surety

\*  
\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

\*ALL SIGNATURES MUST BE ACKNOWLEDGED  
BY A NOTARY PUBLIC

PERFORMANCE BOND (SURETY) (EXHIBIT B)

# EXHIBIT C - PERFORMANCE BOND

## PERFORMANCE BOND (11/15/11)

### KNOW TO ALL BY THESE PRESENTS:

That we,

\_\_\_\_\_ (full legal name and street address of Contractor)  
as Contractor, hereinafter called Contractor, is held and firmly bound unto the Department of Water, City of Kaua'i, its successors and assigns, as Oblige, hereinafter called Oblige, in the amount of

\_\_\_\_\_ (dollar amount of contract)  
DOLLARS (\$ \_\_\_\_\_), lawful money of the United States of America, for the payment of which to the said Oblige, well and truly to be made, Contractor binds itself, its heirs, executors, administrators, successors and assigns, firmly by these presents. Said amount is evidenced by:

- Legal tender;
- Share Certificate unconditionally assigned to or made payable at sight to \_\_\_\_\_  
Description \_\_\_\_\_
- Certificate of Deposit, No. \_\_\_\_\_, dated \_\_\_\_\_, issued by \_\_\_\_\_ drawn on \_\_\_\_\_ a bank, savings institution or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, payable at sight or unconditionally assigned to \_\_\_\_\_
- Cashier's Check No. \_\_\_\_\_, dated \_\_\_\_\_, issued by \_\_\_\_\_, drawn on \_\_\_\_\_ a bank, savings institution or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, payable at sight or unconditionally assigned to \_\_\_\_\_;
- Treasurer's Check No. \_\_\_\_\_, dated \_\_\_\_\_, issued by \_\_\_\_\_, drawn on \_\_\_\_\_ a bank, savings institution or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, payable at sight or unconditionally assigned to \_\_\_\_\_;
- Official Check No. \_\_\_\_\_, dated \_\_\_\_\_, issued by \_\_\_\_\_, drawn on a bank, savings institution or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, payable at sight or unconditionally assigned to \_\_\_\_\_;

PERFORMANCE BOND (EXHIBIT C)

- Certified Check No. \_\_\_\_\_, dated \_\_\_\_\_, accepted by a bank, savings institution or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, payable at sight or unconditionally assigned \_\_\_\_\_;

**WHEREAS:**

The Contractor has by written agreement dated \_\_\_\_\_ entered into a Contract with Oblige for the following Project:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

hereinafter called Contract, which Contract is incorporated herein by reference and made a part hereof.

**NOW, THEREFORE,**

The condition of this obligation is such that, if Contractor shall promptly and faithfully perform the Contract in accordance with, in all respects, the stipulations, agreements, covenants and conditions of the Contract as it now exists or may be modified according to its terms, and shall deliver the Project to the Oblige, or to its successors or assigns, fully completed as in the Contract specified and free from all liens and claims and without further cost, expense or charge to the Oblige, its officers, agents, successors or assigns, free and harmless from all suits or actions of every nature and kind which may be brought for or on account of any injury or damage, direct or indirect, arising or growing out of the doing of said work or the repair or maintenance thereof or the manner of doing of the same or the neglect of the Contractor or its agents or servants or the improper performance of the Contract by the Contractor or its agents or servants or from any other cause, then this obligation shall be void; otherwise it shall be and remain in full force and effect.

**AND IT IS HEREBY STIPULATED AND AGREED** that suit on this bond may be brought before a court of competent jurisdiction without a jury, and that the sum or sums specified in the said Contract as liquidated damages, if any, shall be forfeited to the Oblige, its successors or assigns, in the event of a breach of any, or all, or any part of, the covenants, agreements, conditions, or stipulations contained in the Contract or in this bond or in accordance with the terms thereof.

The amount of this bond may be reduced by and to the extent of any payment or payments made in good faith hereunder.

Signed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

(Seal)

\_\_\_\_\_  
Name of Contractor

\*  
\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

\*ALL SIGNATURES MUST BE ACKNOWLEDGED  
BY A NOTARY PUBLIC

PERFORMANCE BOND (EXHIBIT C)

**EXHIBIT D - LABOR AND MATERIAL PAYMENT BOND (SURETY)**  
**LABOR AND MATERIAL PAYMENT BOND (SURETY)**

(11/15/11)

**KNOW TO ALL BY THESE PRESENTS:**

That \_\_\_\_\_,  
(full legal name and street address of Contractor)  
as Contractor, hereinafter called Principal, and

\_\_\_\_\_  
(name and street address of bonding company)  
as Surety, hereinafter called Surety, a corporation(s) authorized to transact business as a Surety in the State of Hawai'i, are held and firmly bound unto the Department of Water, County of Kaua'i, its successors and assigns, hereinafter called Oblige, in the amount of \_\_\_\_\_ Dollars (\$ \_\_\_\_\_), to which payment Principal and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

**WHEREAS**, the above-bound Principal has signed a Contract as Oblige on \_\_\_\_\_  
for the following  
project: \_\_\_\_\_,  
hereinafter called Contract, which Contract is incorporated herein by reference and made a part hereof.

**NOW THEREFORE**, the condition of this obligation is such that if the Principal shall promptly make payment to any Claimant, as hereinafter defined, for all labor and material supplied to the Principal for use in the performance of the Contract, then this obligation shall be void; otherwise to remain in full force and effect.

1. Surety to this Bond hereby stipulates and agrees that no changes, extensions of time, alterations, or additions to the terms of the Contract, including the work to be performed hereunder, and the specifications or drawings accompanying same, shall in any way affect its obligation on this bond, and it does hereby waive notice of any such changes, extensions of time, alterations or additions, and agrees that they shall become part of the Contract.

2. A "Claimant" shall be defined here as any person who has furnished labor or materials to the Principal for the work provided in the Contract.

Every Claimant who has not been paid amounts due for labor and materials furnished for work provided in the Contract may institute an action against the or she Principal and the Surety on this bond at the time and in the manner prescribed in Section 103D-24, Hawai'i Revised Statutes, and have the rights and claims adjudicated in the action, and judgment rendered thereon; subject to the Oblige's priority on this bond. If the full amount of the liability of the Surety on this bond is insufficient to pay the full amount of the claims, then after paying the full amount due the Oblige, the remainder shall be distributed pro rata among the claimants.

Signed and sealed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.  
(Seal)

\_\_\_\_\_  
Name of Principal (Contractor)  
\*  
\_\_\_\_\_  
Signature  
\_\_\_\_\_  
Title  
(Seal)

\_\_\_\_\_  
Name of Surety  
\*  
\_\_\_\_\_  
Signature  
\_\_\_\_\_  
Title

\*ALL SIGNATURES MUST BE ACKNOWLEDGED  
BY A NOTARY PUBLIC  
LABOR AND MATERIAL PAYMENT BOND (SURETY) (EXHIBIT D)

# EXHIBIT E - LABOR AND MATERIAL PAYMENT BOND

## LABOR AND MATERIAL PAYMENT BOND (11/15/11)

### KNOW TO ALL BY THESE PRESENTS:

That we,

\_\_\_\_\_  
(full legal name and street address of Contractor)

as Contractor, hereinafter called Contractor, is held and firmly bound unto the Department of Water, County of Kaua'i, its successors and assigns, as Obligee, hereinafter called Obligee, in the amount of

\_\_\_\_\_  
(dollar amount of contract)

DOLLARS (\$ \_\_\_\_\_), lawful money of the United States of America, for the payment of which to the said Obligee, well and truly to be made, Contractor binds itself, its heirs, executors, administrators, successors and assigns, firmly by these presents. Said amount is evidenced by:

- Legal tender;
- Share Certificate unconditionally assigned, payable at sight  
\_\_\_\_\_  
Description \_\_\_\_\_
- Certificate of Deposit, No. \_\_\_\_\_, dated \_\_\_\_\_, issued by \_\_\_\_\_, drawn on \_\_\_\_\_, a bank, savings institution or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, payable at sight or unconditionally assigned to \_\_\_\_\_;
- Cashier's Check No. \_\_\_\_\_, dated \_\_\_\_\_, issued by \_\_\_\_\_, drawn on \_\_\_\_\_, a bank, savings institution or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, payable at sight or unconditionally assigned to \_\_\_\_\_;
- Teller's Check No. \_\_\_\_\_, dated \_\_\_\_\_, issued by \_\_\_\_\_, drawn on \_\_\_\_\_, a bank, savings institution or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, payable at sight or unconditionally assigned to \_\_\_\_\_;
- Treasurer's Check No. \_\_\_\_\_, dated \_\_\_\_\_, issued by \_\_\_\_\_, drawn on \_\_\_\_\_, a bank, savings institution or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, payable at sight or unconditionally assigned to \_\_\_\_\_;

LABOR AND MATERIAL PAYMENT BOND  
(EXHIBIT E)

- Official Check No. \_\_\_\_\_, dated \_\_\_\_\_, issued by \_\_\_\_\_, drawn on a bank, savings institution or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, payable at sight or unconditionally assigned to \_\_\_\_\_;
- Certified Check No. \_\_\_\_\_, dated \_\_\_\_\_, accepted by a bank, savings institution or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, payable at sight or unconditionally assigned \_\_\_\_\_;

**WHEREAS:**

The Contractor has by written agreement dated \_\_\_\_\_ entered into a Contract with Obligeo for the following Project:

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

hereinafter called Contract, which Contract is incorporated herein by reference and made a part hereof.

**NOW, THEREFORE,**

The condition of this obligation is such that, if Contractor shall promptly and faithfully perform the Contract in accordance with, in all respects, the stipulations, agreements, covenants and conditions of the Contract as it now exists or may be modified according to its terms, free from all liens and claims and without further cost, expense or charge to the Obligeo, its officers, agents, successors, or assigns, free and harmless from all suits or actions of every nature and kind which may be brought for or on account of any injury or damage, direct or indirect, arising or growing out of the doing of said work or the repair or maintenance thereof or the manner of doing the same or the neglect of the Contractor or its agents or servants or the improper performance of the Contract by the Contractor or its agents or servants or from any other cause, and shall promptly pay all persons supplying labor and materials for the performance of the Contract, then this obligation shall be void; otherwise it shall be and remain in full force and effect.

**AND IT IS HEREBY STIPULATED AND AGREED** that suit on this bond may be brought before a court of competent jurisdiction without a jury, and that the sum or sums specified in the said Contract as liquidated damages, is any, shall be forfeited to the Obligeo, its successor or assigns, in the event of a breach of any, or all, or any part of, the covenants, agreements, conditions, or stipulations contained in the Contract or in this bond in accordance with the terms thereof.

**AND IT IS HEREBY STIPULATED AND AGREED** that this bond shall inure to the benefit of any and all persons entitled to file claims for labor performed or materials furnished in said work so as to give any and all such persons a right of action as contemplated by Sections 103D-324(d) and 103D-324(e), Hawai'i Revised Statutes.

The amount of this bond shall be reduced by and to the extent of any payment or payments made in good faith hereunder, inclusive of the payment of mechanics' liens which may be filed of record against the Project, whether or not claim for the amount of such lien be presented under and against this bond.

Signed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

(Seal)

\_\_\_\_\_  
 Name of Contractor

\*  
 \_\_\_\_\_  
 Signature

\_\_\_\_\_  
 Title

\*ALL SIGNATURES MUST BE  
 ACKNOWLEDGED BY A NOTARY  
 PUBLIC

LABOR AND MATERIAL PAYMENT BOND (EXHIBIT E)



**EXHIBIT F – PERFORMANCE BOND (SURETY) FOR SUPPLEMENTAL AGREEMENT FOR GOODS AND SERVICES**

(11/15/11)

**KNOW TO ALL BY THESE PRESENTS:**

That

\_\_\_\_\_  
(full legal name and street address of Contractor)  
as Contractor, hereinafter called Principal, and

\_\_\_\_\_  
(name and street address of bonding company)  
as Surety, hereinafter called Surety, a corporation(s) authorized to transact business as a Surety in the State of Hawai'i, are held and firmly bound unto the Department of Water, County of Maui, its successors and assigns, hereinafter called Oblige, in the amount of \_\_\_\_\_ Dollars (\$ \_\_\_\_\_), to which payment Principal and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

**WHEREAS**, the above-bound Principal has entered into a contract with Oblige, dated \_\_\_\_\_, for \_\_\_\_\_, and entered into Supplemental Agreement No. \_\_\_\_\_, dated \_\_\_\_\_, for the period hereinafter collectively called Contract, which Contract is incorporated herein by reference and made a part hereof.

**NOW THEREFORE**, the condition of the obligation is such that:

If the Principal shall promptly and faithfully perform, and fully complete the Contract in strict accordance with the terms of the Contract as said Contract may be modified or amended from time to time; then this obligation shall be void; otherwise to remain in full force and effect.

Surety to this Bond hereinafter stipulates and agrees that no changes, extensions of time, alterations, or additions to the terms of the Contract, including the work to be performed thereunder, and the specifications or drawings accompanying same, shall in any way affect its obligation on this bond, and it does hereby waive notice of any such changes, extensions of time, alterations or additions, and agrees that they shall become part of the Contract.

In the event of Default by the Principal, of the obligations under the Contract, then after written Notice of Default from the Oblige to the Surety and the Principal, Surety shall either remedy the Default, or take over the work to be performed under the Contract and complete such work, subject, however, to the limitation of the penal sum of this bond.

Signed \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

(Seal)

\_\_\_\_\_  
Name of Principal (Contractor)

\*

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

(Seal)

\_\_\_\_\_  
Name of Surety

\*

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

\*ALL SIGNATURES MUST BE  
ACKNOWLEDGED BY A NOTARY PUBLIC

PERFORMANCE BOND (SURETY) FOR SUPPLEMENTAL  
AGREEMENT FOR GOODS AND SERVICES (EXHIBIT F)

**EXHIBIT G- PERFORMANCE BOND FOR SUPPLEMENTAL AGREEMENT  
FOR GOODS AND SERVICES**

(11/15/11)

**KNOW TO ALL BY THESE PRESENTS:**

That we, \_\_\_\_\_,

(full legal name and street address of Contractor)

as Contractor, hereinafter called Contractor, is held and firmly bound unto the Department of Water, County of Kaua'i, its successors and assigns, as Obligee, hereinafter called Obligee, in the amount of

\_\_\_\_\_ (dollar amount of contract)

DOLLARS (\$ \_\_\_\_\_), lawful money of the United States of America for the payment of which the said Obligee, well and truly to be made, Contractor binds itself, its heirs, executors, administrators, successors and assigns, firmly by these presents. Said amount is evidenced by:

- Legal tender;
- Share Certificate unconditionally assigned to or payable at sight to \_\_\_\_\_  
Description \_\_\_\_\_
- Certificate of Deposit, No. \_\_\_\_\_, dated \_\_\_\_\_  
issued by \_\_\_\_\_  
drawn on \_\_\_\_\_  
a bank, savings institution or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, payable at sight or unconditionally assigned to \_\_\_\_\_
- Cashier's Check No. \_\_\_\_\_, dated \_\_\_\_\_,  
issued by \_\_\_\_\_  
drawn on \_\_\_\_\_  
a bank, savings institution or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, payable at sight or unconditionally assigned to \_\_\_\_\_
- Teller's Check No. \_\_\_\_\_, dated \_\_\_\_\_,  
issued by \_\_\_\_\_  
drawn on \_\_\_\_\_  
a bank, savings institution or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, payable at sight or unconditionally assigned to \_\_\_\_\_;
- Treasurer's Check No. \_\_\_\_\_, dated \_\_\_\_\_,  
issued by \_\_\_\_\_  
drawn on \_\_\_\_\_  
a bank, savings institution or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, payable at sight or unconditionally assigned to \_\_\_\_\_;
- Official Check No. \_\_\_\_\_, dated \_\_\_\_\_,  
issued by \_\_\_\_\_ drawn on a bank, savings institution or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, payable at sight or unconditionally assigned to \_\_\_\_\_;

**Not Applicable, Refer to Exhibit J**

PERFORMANCE BOND  
FOR SUPPLEMENTAL AGREEMENT FOR GOODS AND SERVICES (EXHIBIT G)

Certified Check No. \_\_\_\_\_, dated \_\_\_\_\_, accepted by a bank, savings institution or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, payable at sight or unconditionally assigned \_\_\_\_\_;

**WHEREAS:**

The Contractor has by written agreement dated \_\_\_\_\_ entered into a Contract with Obligeo for the following Project:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ and entered into Supplemental Agreement No. \_\_\_\_\_, dated \_\_\_\_\_ for the period \_\_\_\_\_; hereinafter collectively called Contract, which Contract is incorporated herein by reference and made a part hereof.

**NOW, THEREFORE,**

The condition of this obligation is such that, if Contractor shall promptly and faithfully perform the Contract in accordance with, in all respects, the stipulations, agreements, covenants and conditions of the Contract as it now exists or may be modified according to its terms, and shall deliver the Project to the Obligeo, or to its successors or assigns, fully completed as in the Contract specified and free from all liens and claims and without further cost, expense or charge to the Obligeo, its officers, agents, successors, or assigns, free and harmless from all suits or actions of every nature and kind which may be brought for or on account of any injury or damage, direct or indirect, arising or growing out of the doing of said work or the repair or maintenance thereof or the manner of doing the same or the neglect of the Contractor or its agents or servants or the improper performance of the Contract by the Contractor or its agents or servants or from any other cause, then this obligation shall be void; otherwise it shall be and remain in full force and effect.

**AND IT IS HEREBY STIPULATED AND AGREED** that suit on this bond may be brought before a court of competent jurisdiction without a jury, and that the sum or sums specified in the said Contract as liquidated damages, is any, shall be forfeited to the Obligeo, its successor or assigns, in the event of a breach of any, or all, or any part of, the covenants, agreements, conditions, or stipulations contained in the Contract or in this bond in accordance with the terms thereof.

The amount of this bond may be reduced by and to the extent of any payment or payments made in good faith hereunder.

Signed and sealed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

(Seal)

\_\_\_\_\_  
Name of Contractor

\*  
\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

\*ALL SIGNATURES MUST BE ACKNOWLEDGED BY A NOTARY PUBLIC

PERFORMANCE BOND FOR SUPPLEMENTAL AGREEMENT FOR GOODS AND SERVICES (EXHIBIT G)

# EXHIBIT H - CONTRACTOR ACKNOWLEDGMENT

[FOR USE WITH PERFORMANCE AND PAYMENT BONDS]  
(11/15/11)

## CONTRACTOR ACKNOWLEDGMENT:

STATE OF \_\_\_\_\_ )  
 ) : SS  
\_\_\_\_\_ COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me appeared \_\_\_\_\_  
and \_\_\_\_\_ to me known to be the person(s) described in and, who, being duly sworn,  
did say that he/she/they is/are \_\_\_\_\_ and \_\_\_\_\_  
of \_\_\_\_\_ the Contractor named in the foregoing instrument, and that he/she/they  
is/are authorized to sign said instrument in behalf of the contractor, and acknowledges that he/she/they executed said  
instrument as the free act and deed of the Contractor.

\_\_\_\_\_  
(Notary Seal)  
Notary Public  
State of \_\_\_\_\_  
My commission expires \_\_\_\_\_

CONTRACTOR ACKNOWLEDGMENT (EXHIBIT H)

**EXHIBIT I - SURETY ACKNOWLEDGMENT**

[FOR USE WITH SURETY PERFORMANCE AND PAYMENT BONDS]  
(11/15/11)

SURETY ACKNOWLEDGMENT:

STATE OF \_\_\_\_\_ )  
 ) : SS  
\_\_\_\_\_ COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally came \_\_\_\_\_ to me known to be the person described in and who, acting by me, did depose and say that \_\_\_\_\_ resides in \_\_\_\_\_; that \_\_\_\_\_ is the Attorney-in-Fact of \_\_\_\_\_ the corporation described \_\_\_\_\_ and which executed the attached instrument; that \_\_\_\_\_ knows corporate seal of the said corporation that the seal affixed to the said instrument is such corporate seal; and that it was so affixed by order of the Board of Directors of the said corporation; and that \_\_\_\_\_ signed \_\_\_\_\_ name thereto by live order.

\_\_\_\_\_  
Notary Public (Notary Seal)  
State of \_\_\_\_\_  
My commission expires: \_\_\_\_\_

**Not Applicable, Refer to Exhibit J**

# EXHIBIT J – SAMPLE CONTRACT

SAMPLE CONTRACT  
(05/19/16)



CONTRACT NO. \_\_\_\_\_

## CONSTRUCTION CONTRACT

THIS CONTRACT, effective as of the date of the last signatory, is made and entered into by and between the **Board of Water Supply, County of Kaua'i**, whose mailing address is 4398 Pua Loke Street, Lihu'e, Hawai'i 96766 (hereinafter the "BOARD") and \_\_\_\_\_, a \_\_\_\_\_, under the laws of the State of \_\_\_\_\_, whose principle mailing address is \_\_\_\_\_ (hereinafter the "CONTRACTOR");

THIS CONTRACT for construction services has been procured under:

- Hawai'i Revised Statute (H.R.S.) §103D-302 (Competitive Sealed Bidding)
- H.R.S. §103D-303 (Competitive Sealed Proposals)
- H.R.S. §103D-305 (Small Purchase)
- H.R.S. §103D-307 (Emergency Procurement # \_\_\_\_\_)

### WITNESSETH:

THAT, for and in consideration of the payment(s) hereinafter set forth to be made by the Board, the Contractor agrees to furnish and pay for all materials, supplies, tools, equipment, labor, utilities, transportation, services, and any and all other incidentals necessary to construct in place and complete, free of all liens, claims, and any encumbrances whatsoever:

(hereinafter "PROJECT").

1. Contract Documents: The Contractor agrees to complete the PROJECT in accordance with this Contract and the following documents:

- Approved construction drawings;
- Specifications;
- Invitation for Bids Document No. \_\_\_\_\_ and all Addenda thereto;
- Request for Proposals PROJECT No. \_\_\_\_\_ and all Addenda thereto;

- Bid/Proposal/Best and Final Offer;
- Method of Award;
- Wage Rate Schedule;
- Construction Schedules;
- Special Provisions;
- General Provisions for Construction Contracts of the Department of Water Dated April 25, 2016;

and those other documents attached or referred to therein, relating to the PROJECT (hereinafter collectively referred to as "Contract Documents"). The Contractor understands and agrees that the Contract Documents including, but not limited to, those referenced in but not attached to this Contract and those referenced in but not attached to the Contract Documents, are hereby incorporated by reference into this Contract. The Contractor acknowledges and admits receipt of all Contract Documents, and acknowledges that it has reviewed, understands, and agrees with all terms and conditions in the Contract Documents and those other documents, terms and conditions referenced therein.

2. **Time of Performance:** The Contractor agrees to complete the PROJECT within \_\_\_\_\_ CALENDAR DAYS, from and including the date as specified in the written Notice to Proceed.
3. **Compensation:** For and in consideration of the Contractor's full and faithful performance of this entire Contract, the Board hereby agrees to pay the Contractor the sum of

\_\_\_\_\_

**DOLLARS (\$\_\_\_\_\_)**, federal, state and local taxes included, in lawful money of the United States of America; provided that the Contractor understands and agrees that payment shall be made in the manner and at the times specified in the Contract Documents, and shall also be subject to and conditioned upon such additions to or deductions from the preceding sum as may herein be made, according to the Contract Documents.

4. **Liquidated Damages:** THE CONTRACTOR UNDERSTANDS AND AGREES that time is an essential factor of this Contract; that the Board will suffer material loss by reason of delays that may occur in the Contractor's performance of the work or any portions of the work within the time or times fixed in the Contract or any extensions thereto; and that as liquidated damages for any such delays, the sum of

\_\_\_\_\_

**DOLLARS (\$\_\_\_\_\_)**, for each and every calendar day which said performance remains uncompleted will be charged the Contractor and deducted from the Contract price; and it is expressly stipulated by and between the Contractor and Board that any such sums shall be deemed and taken to be liquidated damages for the Contractor's failure to perform within the specified time and not be in the nature of penalty.

5. **Bonds:** The Contractor is required to provide the following bonds, in an amount equal to 100% of the amount of the Contract price in the form(s) set forth in **Exhibit A**:

- Performance Bond (**Exhibit A1**)
- Labor and Material Payment Bond (**Exhibit A2**)
- Not Applicable

6. **Insurance:** Contractor shall procure and maintain, on primary basis and at its sole expense, at all times during the life of the Contract insurance coverages, limit, including endorsements as described in **Exhibit B**, incorporated herein, against claims for injuries to person or damages to property which may arise from or in connection with the performance of the work by the Contractor or the Contractor's agents, representatives, employees or subcontractors. The requirements contained herein, as well as the Board's review or acceptance of insurance maintained by the contractor is not intended to and shall not in any manner limit or qualify the liabilities or obligations assumed by the Contractor.

7. **Officer in Charge:** The Officer in Charge of this PROJECT is:

\_\_\_\_\_  
\_\_\_\_\_

8. **Severability:** In the event any term or provision of this Contract is declared to be invalid or illegal for any reason, this Contract will remain in full force and effect and will be interpreted as though such invalid or illegal provision were not a part of this Contract.

9. **Execution in Counterparts:** This Contract may be executed in counterparts, all of which shall be considered the same as if a single document shall have been executed, but shall become effective when such counterparts have been signed by each of the parties hereto and delivered to each party. Further, facsimile signatures and notarizations are permissible provided original signatures and notarizations bearing the notary's seal are later provided to the party in receipt of the facsimile signature and notarizations.

10. **Waiver:** Waiver of a breach or default under this Agreement shall not constitute a continuing waiver or a waiver of a subsequent breach of the same or any other provision of this Agreement.

THE PARTIES FURTHER AGREE that:

- Concurrently with its execution of this Contract, Contractor shall submit to the Officer-in-Charge:
  - a tax clearance pursuant to Haw. Rev. Stat., as amended (hereinafter "H.R.S." §103-53;
  - a Certificate of Compliance pursuant to Hawai'i Administrative Rules (hereinafter "H.A.R.") §3-122-112; and



- a Certificate of Good Standing pursuant to H.A.R. §3-122-112.

Further, as a condition of final payment on this Contract, Contactor shall submit to the Officer-in-Charge:

- a tax clearance to pursuant to H.R.S. §103-53; and
- a Certificate of Compliance pursuant to H.A.R. §3-122-112.

All clearances and certificates submitted pursuant to the foregoing statutory requirements shall be valid when the Contract is executed by all parties hereto and when final payment is made.

As used in this Contract, "Board" means the Board of Water Supply of the County of Kaua'i and the Department of Water, County of Kaua'i, and its officers, agents, and employees.

IN WITNESS WHEREOF, the parties hereto have hereunto caused this instrument to be executed as of the \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

APPROVED:

\_\_\_\_\_

BOARD OF WATER SUPPLY  
COUNTY OF KAUA'I

By \_\_\_\_\_

APPROVED AS TO FORM  
AND LEGALITY:

\_\_\_\_\_

CONTRACTOR

By \_\_\_\_\_  
Its \_\_\_\_\_

By \_\_\_\_\_  
Its \_\_\_\_\_

STATE OF HAWAI'I )  
 ) ss.  
COUNTY OF KAUA'I )

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me appeared \_\_\_\_\_ to me personally known, who being by me was duly sworn, and that said officer is the Chairperson of the BOARD OF WATER SUPPLY, COUNTY OF KAUA'I, and that the foregoing instrument was signed on behalf of said Board with authority of said Board, and that said officer acknowledged the instrument to be the free act and deed of said Board, and that said Board has no corporate seal.

\_\_\_\_\_  
Notary Public, State of Hawai'i

Name of Notary: \_\_\_\_\_

My commission expires: \_\_\_\_\_

Doc. Date: \_\_\_\_\_ # Pages: \_\_\_\_\_

Name of Notary: \_\_\_\_\_ Fifth Circuit

Doc. Description: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_  
Notary Signature

\_\_\_\_\_  
Date

STATE OF HAWAI'I )  
 ) ss.  
COUNTY OF \_\_\_\_\_)

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me appeared \_\_\_\_\_ to me personally known, who being by me was duly sworn, did say he/she is the \_\_\_\_\_ of \_\_\_\_\_, a \_\_\_\_\_ and that said instrument was signed and sealed on behalf of said \_\_\_\_\_; and said officer acknowledged said instrument to be the free act and deed of said \_\_\_\_\_.

\_\_\_\_\_  
Notary Public, State of Hawai'i

Name of Notary: \_\_\_\_\_

My commission expires: \_\_\_\_\_

***(PLEASE INSERT YOUR APPLICABLE NOTARY SECTION)***

**EXHIBIT A1**  
**PERFORMANCE BOND (SURETY)**

KNOW ALL MEN BY THESE PRESENTS:

That \_\_\_\_\_,

a \_\_\_\_\_ corporation, whose principle mailing address is

\_\_\_\_\_,

as Principal, (hereinafter referred to as "Principal"), and \_\_\_\_\_,

as Surety, (hereinafter referred to as "Surety"), a corporation(s) authorized to transact business as a surety in the State of Hawai'i, are held and firmly bound unto the Board of Water Supply, its successors and assigns, (hereinafter referred to as "Obligee"), in the amount of

\_\_\_\_\_

**DOLLARS (\$\_\_\_\_\_)** to which payment Principal and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

**WHEREAS**, the above-bound Principal has entered into a Contract with Obligee dated \_\_\_\_\_ for \_\_\_\_\_ (hereinafter referred to as the "Contract"), which Contract is incorporated herein by reference and made a part hereof.

**NOW THEREFORE**, the condition of this obligation is such that:

If the Principal shall promptly and faithfully perform, and fully complete the Contract in strict accordance with the terms of the Contract as said Contract may be modified or amended from time to time; then this obligation shall be void; otherwise to remain in full force and effect.

Surety to this bond hereby stipulated and agrees that no changes, extensions of time, alterations, or additions to the terms of the Contract, including the work to be performed thereunder, and the specifications or drawings accompanying same, shall in any way affect its obligation on this bond, and it does hereby waive notice of any such changes, extensions of time, alterations, or additions, and agrees that they shall become part of the Contract.

In the event of Default by the Principal, of the obligations under the Contract, then after written Notice of Default from the Obligee to the Surety and the Principal, Surety shall either remedy the Default, or take over the work to be performed under the contract and complete such work, subject, however, to the limitation of the penal sum of this bond.

Signed and sealed this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

\_\_\_\_\_  
Principal Seal

By \_\_\_\_\_

Its By \_\_\_\_\_

Its \_\_\_\_\_

\_\_\_\_\_  
Surety Seal

By \_\_\_\_\_

Its By \_\_\_\_\_

Its \_\_\_\_\_

**ALL SIGNATURES MUST BE ACKNOWLEDGED BY A NOTARY PUBLIC**

**SURETY PERFORMANCE BOND**

STATE OF HAWAI'I )  
 ) ss.  
COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me appeared \_\_\_\_\_ to me personally known, who being by me was duly sworn, did say he/she is the \_\_\_\_\_ of \_\_\_\_\_, a \_\_\_\_\_; that the seal affixed to the foregoing instrument is the \_\_\_\_\_ seal of said \_\_\_\_\_; and said officer acknowledged said instrument to be the free act and deed of said \_\_\_\_\_.

\_\_\_\_\_  
Notary Public, State of Hawai'i

Name of Notary: \_\_\_\_\_

My commission expires: \_\_\_\_\_

**(SURETY PLEASE INSERT YOUR APPLICABLE NOTARY SECTION.)**

**EXHIBIT A1  
PERFORMANCE BOND**

**KNOW TO ALL BY THESE PRESENTS:**

That we, \_\_\_\_\_, as Contractor, hereinafter called Contractor, is held and firmly bound unto the \_\_\_\_\_, its successors and assigns, as Obligee, hereinafter called Obligee, in the amount of

\_\_\_\_\_

**DOLLARS** (\$\_\_\_\_\_), lawful money of the United States of America, for the payment of which to the said Obligee, well and truly to be made, Contractor binds itself, its heirs, executors, administrators, successors and assigns, firmly by these presents. Said amount is evidenced by:

- Legal tender;
- Share Certificate unconditionally assigned to or made payable at sight to  
\_\_\_\_\_  
Description \_\_\_\_\_;
- Certificate of Deposit, No. \_\_\_\_\_, dated \_\_\_\_\_,  
  
issued by \_\_\_\_\_,  
drawn on \_\_\_\_\_,  
a bank, savings institution or credit union insured by the Federal Deposit Insurance Corporation or the Nation Credit Union Administration, payable at sight or unconditionally assigned to \_\_\_\_\_;
- Cashier's Check No. \_\_\_\_\_, dated \_\_\_\_\_,  
issued by \_\_\_\_\_,  
drawn on \_\_\_\_\_,  
a bank, savings institution or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, payable at sight or unconditionally assigned to \_\_\_\_\_;
- Teller's Check No. \_\_\_\_\_, dated \_\_\_\_\_,  
issued by \_\_\_\_\_,  
drawn on \_\_\_\_\_;

a bank, savings institution or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, payable at sight or unconditionally assigned to

\_\_\_\_\_;

Treasurer's Check No. \_\_\_\_\_, dated \_\_\_\_\_,

issued by \_\_\_\_\_,

drawn on \_\_\_\_\_,

a bank, savings institution or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, payable at sight or unconditionally assigned to

\_\_\_\_\_;

Official Check No. \_\_\_\_\_, dated \_\_\_\_\_,

issued by \_\_\_\_\_,

drawn on \_\_\_\_\_,

a bank, savings institution or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, payable at sight or unconditionally assigned to

\_\_\_\_\_;

Certified Check No. \_\_\_\_\_, dated \_\_\_\_\_,

accepted by a bank, savings institution or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, payable at sight or unconditionally assigned \_\_\_\_\_;

**WHEREAS:**

The Contractor has by written agreement dated \_\_\_\_\_ entered into a contract with Oblige  
for the following PROJECT:

\_\_\_\_\_

hereinafter called Contract, which Contract is incorporated herein by reference and made a part hereof.

**NOW, THEREFORE,**

The condition of this obligation is such that, if Contractor shall promptly and faithfully perform the Contract in accordance with, in all respects, the stipulations, agreements, covenants and conditions of the Contract as it now exists or may be modified according to its terms, and shall deliver the PROJECT to the Oblige, or to its successors or assigns, fully completed as in the Contract specified and free from all liens and claims and without further cost, expense or charge to the Oblige, its officers, agents, successors or assigns, free and harmless from all suits or actions of every

nature and kind which may be brought for or on account of any injury or damage, direct or indirect, arising or growing out of the doing of said work or the repair or maintenance thereof or the manner of doing the same or the neglect of the Contractor or its agents or servants or the improper performance of the Contract by the Contractor or its agents or servants or from any other cause, then this obligation shall be void; otherwise it shall be and remain in full force and effect.

**AND IT IS HEREBY STIPULATED AND AGREED** that suit on this bond may be brought before a court of competent jurisdiction without a jury, and that the sum or sums specified in the said Contract as liquidated damages, if any, shall be forfeited to the Obligee, its successors or assigns, in the event of a breach of any, or all, or any part of, the covenants, agreements, conditions, or stipulations contained in the Contract or in this bond in accordance with the terms thereof.

The amount of this bond may be reduced by and to the extent of any payment or payments made in good faith hereunder.

Signed this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

(Seal) \_\_\_\_\_  
Name of Contractor  
\* \_\_\_\_\_  
Signature  
\_\_\_\_\_  
Title

STATE OF HAWAI'I )  
 ) ss.  
COUNTY OF \_\_\_\_\_)

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me appeared \_\_\_\_\_ to me personally known, who being by me was duly sworn, did say he/she is the \_\_\_\_\_ of \_\_\_\_\_, a \_\_\_\_\_; that the seal affixed to the foregoing instrument is the \_\_\_\_\_ seal of said \_\_\_\_\_; and said officer acknowledged said instrument to be the free act and deed of said \_\_\_\_\_.

\_\_\_\_\_  
Notary Public, State of Hawai'i  
Name of Notary: \_\_\_\_\_  
My commission expires: \_\_\_\_\_

**ALL SIGNATURES MUST BE ACKNOWLEDGED BY A NOTARY PUBLIC.**



**EXHIBIT A2**  
**LABOR AND MATERIAL PAYMENT BOND (SURETY)**

**KNOW ALL MEN BY THESE PRESENTS:**

That \_\_\_\_\_, a \_\_\_\_\_  
corporation, whose principle mailing address is \_\_\_\_\_,  
as Principal (hereinafter referred to as "Principal"), and \_\_\_\_\_,  
as Surety (hereinafter referred to as "Surety"), a corporation(s) authorized to transact business as a surety in the State of  
Hawai'i, are held and firmly bound unto the Board of Water Supply, its successors and assigns (hereinafter referred to  
as "Obligee"), in the amount of

---

**DOLLARS (\$\_\_\_\_\_)**, to which payment Principal and Surety bind themselves, their heirs, executors,  
administrators, successors and assigns, jointly and severally, firmly by these presents.

**WHEREAS**, the above-bound Principal has entered into a Contract with Obligee dated \_\_\_\_\_  
for \_\_\_\_\_ (hereinafter referred to as the "Contract"), which  
Contract is incorporated herein by reference and made a part hereof.

**NOW, THEREFORE**, the condition of this obligation is such that if the Principal shall promptly make  
payment to any Claimant, as hereinafter defined, for all labor and materials supplied to the Principal for use in the  
performance of the Contract, then this obligation shall be void; otherwise to remain in full force and effect.

1. Surety to this Bond hereby stipulates and agrees that no changes, extensions of time, alterations, or  
additions to the terms of the Contract, including the work to be performed thereunder, and the  
specifications or drawings accompanying same, shall in any way affect its obligation on this bond,  
and it does hereby waive notice of any such changes, extensions of time, alterations, or additions,  
and agrees that they shall become part of the Contract.
2. A "Claimant" shall be defined herein as any person who has furnished labor or materials to the  
Principal for the work provided in the Contract.

As provided in Section 103D-324, Hawai'i Revised Statutes, every Claimant who has not been paid in full  
before the expiration of a period of ninety days after the day on which the last of the labor was done or performed or  
material was furnished or supplied, for which such a claims made, may institute an action against the Principal or the  
Principal and its Surety, on this bond and have their rights and claims adjudicated in the action, and judgment rendered  
thereon; subject to the Obligee's priority on the bond. If the full amount of the liability of the Surety on the bond is

insufficient to pay the full amount of the claims, then after paying the full amount due the Obligee, the remainder shall be distributed pro rata among the claimants.

Signed and sealed this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

\_\_\_\_\_  
Principal Seal

By \_\_\_\_\_

Its By \_\_\_\_\_

Its \_\_\_\_\_

\_\_\_\_\_  
Surety Seal

By \_\_\_\_\_

Its By \_\_\_\_\_

Its \_\_\_\_\_

***ALL SIGNATURES MUST BE ACKNOWLEDGED BY A NOTARY PUBLIC.***

SURETY LABOR AND MATERIAL  
PAYMENT BOND

STATE OF HAWAI'I                    )  
  ) ss.  
COUNTY OF \_\_\_\_\_)

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me appeared  
\_\_\_\_\_ to me personally known, who being by me was duly sworn, did say he/she is the \_  
\_\_\_\_\_ of \_\_\_\_\_, a \_\_\_\_\_; that the seal affixed to the  
foregoing instrument is the \_\_\_\_\_ seal of said \_\_\_\_\_; and said officer acknowledged said  
instrument to be the free act and deed of said \_\_\_\_\_.

\_\_\_\_\_  
Notary Public, State of Hawai'i

Name of Notary: \_\_\_\_\_

My commission expires: \_\_\_\_\_

***(SURETY PLEASE INSERT YOUR APPLICABLE NOTARY SECTION)***

**EXHIBIT A2**  
**LABOR AND MATERIAL PAYMENT BOND**  
(11/17/98)

**KNOW TO ALL BY THESE PRESENTS:**

That we, \_\_\_\_\_, as Contractor, hereinafter called Contractor, is held and firmly bound unto the \_\_\_\_\_, its successors and assigns, as Obligee, hereinafter called Obligee, in the amount of

\_\_\_\_\_

**DOLLARS** (\$ \_\_\_\_\_), lawful money of the United States of America, for the payment of which to the said Obligee, well and truly to be made, Contractor binds itself, its heirs, executors, administrators, successors and assigns, firmly by these presents. Said amount is evidenced by:

Legal tender;

Share Certificate unconditionally assigned to or made payable at sight to

\_\_\_\_\_

Description

\_\_\_\_\_;

Certificate of Deposit, No. \_\_\_\_\_, dated \_\_\_\_\_,  
issued by \_\_\_\_\_,  
drawn on \_\_\_\_\_,

a bank, savings institution or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, payable at sight or unconditionally assigned to

\_\_\_\_\_;

Cashier's Check No. \_\_\_\_\_, dated \_\_\_\_\_,  
issued by \_\_\_\_\_,  
drawn on \_\_\_\_\_,

a bank, savings institution or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, payable at sight or unconditionally assigned to

\_\_\_\_\_;

Teller's Check No. \_\_\_\_\_, dated \_\_\_\_\_,  
issued by \_\_\_\_\_,  
drawn on \_\_\_\_\_,

a bank, savings institution or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, payable at sight or unconditionally assigned to

\_\_\_\_\_  
Treasurer's Check No. \_\_\_\_\_, dated \_\_\_\_\_,  
issued by \_\_\_\_\_,  
drawn on \_\_\_\_\_;

a bank, savings institution or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, payable at sight or unconditionally assigned to

\_\_\_\_\_  
Official Check No. \_\_\_\_\_, dated \_\_\_\_\_,  
issued by \_\_\_\_\_,  
drawn on \_\_\_\_\_;

a bank, savings institution or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, payable at sight or unconditionally assigned to

\_\_\_\_\_  
Certified Check No. \_\_\_\_\_, dated \_\_\_\_\_,  
accepted by a bank, savings institution or credit union insured by the Federal Deposit Insurance Corporation or the National Credit Union Administration, payable at sight or unconditionally assigned \_\_\_\_\_;

**WHEREAS:**

The Contractor has by written agreement dated \_\_\_\_\_ entered into a contract with Obligee for the following PROJECT:

\_\_\_\_\_

hereinafter called Contract, which Contract is incorporated herein by reference and made a part hereof.

**NOW, THEREFORE,**

The condition of this obligation is such that, if Contractor shall promptly and faithfully perform the Contract in accordance with, in all respects, the stipulations, agreements, covenants and conditions of the Contract as it now exists or may be modified according to its terms, free from all liens and claims and without further cost, expense or charge to the Obligee, its officers, agents, successors or assigns, free and harmless from all suits or actions of every nature and kind which may be brought for or on account of any injury or damage, direct or indirect, arising or growing

out of the doing of said work or the repair or maintenance thereof or the manner of doing the same or the neglect of the Contractor or its agents or servants or the improper performance of the Contract by the Contractor or its agents or servants or from any other cause, and shall promptly pay all persons supplying labor and materials for the performance of the Contract, then this obligation shall be void; otherwise it shall be and remain in full force and effect.

**AND IT IS HEREBY STIPULATED AND AGREED** that suit on this bond may be brought before a court of competent jurisdiction without a jury, and that the sum or sums specified in the said Contract as liquidated damages, if any, shall be forfeited to the Obligee, its successors or assigns, in the event of a breach of any, or all, or any part of, the covenants, agreements, conditions, or stipulations contained in the Contract or in this bond in accordance with the terms thereof.

**AND IT IS HEREBY STIPULATED AND AGREED** that this bond shall inure to the benefit of any and all persons entitled to file claims for labor performed or materials furnished in said work so as to give any and all such persons a right of action as contemplated by Sections 103D-324(d) and 103D-324(e), Hawai'i Revised Statutes.

The amount of this bond shall be reduced by and to the extent of any payment or payments made in good faith hereunder, inclusive of the payment of mechanics' liens which may be filed of record against the PROJECT, whether or not claim for the amount of such lien be presented under and against this bond.

Signed this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

(Seal) \_\_\_\_\_  
Name of Contractor

\* \_\_\_\_\_  
Signature

\_\_\_\_\_  
Title

STATE OF HAWAI'I )  
 ) ss.  
COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, before me appeared \_\_\_\_\_ to me personally known, who being by me was duly sworn, did say he/she is the \_\_\_\_\_ of \_\_\_\_\_, a \_\_\_\_\_; that the seal affixed to the foregoing instrument is the \_\_\_\_\_ seal of said \_\_\_\_\_; and said officer acknowledged said instrument to be the free act and deed of said \_\_\_\_\_.

\_\_\_\_\_  
Notary Public, State of Hawai'i  
Name of Notary: \_\_\_\_\_  
My commission expires: \_\_\_\_\_

**(ALL SIGNATURES MUST BE ACKNOWLEDGED BY A NOTARY PUBLIC)**

**EXHIBIT B**  
**INSURANCE REQUIREMENTS**  
**BOARD OF WATER SUPPLY COUNTY OF KAUA'I**

Contractor shall procure and maintain, on primary basis and at its sole expense, at all times during the life of the contract insurance coverages, limits, including endorsements described herein against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work by the Contractor or the Contractor's agents, representatives, employees or subcontractors. The requirements contained herein, as well as the Department of Water, County of Kaua'i's (hereinafter "DOW") review or acceptance of insurance maintained by the Contractor is not intended to and shall not in any manner limit or qualify the liabilities or obligations assumed by the Contractor.

To the extent applicable, the amounts and types of insurance will conform to the minimum terms, conditions and coverage(s) of Insurance Service Office (ISO) policies, forms, and endorsements.

**A. General Conditions**

**Waiver of Subrogation.** Contractor shall agree by entering into a contract with the Board of Water Supply, County of Kaua'i (hereinafter "Board") to provide a Waiver of Subrogation for the Commercial General Liability, Automobile Liability, and Workers Compensation policies. When required by the insurer, or should a policy condition not permit Contractor to enter into a pre-loss agreement to waive subrogation without an endorsement, the Contractor shall agree to notify the insurer and request the policy be endorsed with a Waiver of Subrogation in favor of the Board. This Waiver of Subrogation requirement shall not apply to any policy, which includes a condition specifically prohibiting such an endorsement, or voids coverage should Contractor enter into such an agreement on a pre-loss basis.

**Subcontractors.** If applicable, Contractor shall include all subcontractors as additional insureds under its policies and shall retain the records of the separate certificates and endorsements for each subcontractor. All coverages for subcontractors shall be subject to the same requirements as the Contractor as stated herein.

APPLICABLE

NOT APPLICABLE

**Additional Insured.** Contractor shall agree to endorse the **BOARD OF WATER SUPPLY, COUNTY OF KAUA'I as an Additional Insured** with a CG026 Additional Insured – Designated Person or Organization endorsement, a copy of the applicable policy language, or similar endorsement to all required insurance policy(ies), except for Workers Compensation and Professional Liability.

**Deductibles and Self-Insured Retentions.** Any deductibles or self-insured retentions must be declared to and approved by the DOW. At the option of the DOW, either: the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the Board; or the Contractor shall provide a financial guarantee (audited financial statement) satisfactory to the Department guaranteeing payment of losses and related investigations, claim administration and defense expenses.

When a self-insured retention (SIR) or deductible exceeds \$50,000, the Department reserves the right, but not the obligation, to review and request a copy of the Contractor's most recent annual report or audited financial statement.

**Contractor's Responsibility.** The Contractor is responsible for paying any portion of any loss not covered because of the operation of any deductible, co-insurance clause or self-insured retention applicable to the insurance required herein. If the Board is damaged by the failure of the Contractor to maintain insurance as required in this paragraph, then the Contractor shall bear all reasonable costs properly attributable to that failure.

**Primary and Non-contributory.** All policies required of the Contractor will be endorsed as primary and any insurance or self-insurance program maintained by the Board shall be non-contributory.

**Certificate of Insurance.** Concurrent with the execution of the contract, Contractor shall provide the Department a certificate of insurance completed by a duly authorized representative of their insurer certifying that the liability coverage(s) is written on an occurrence form. Immediately upon becoming aware that its insurance will be cancelled, non-renewed, or materially changed, Contractor will notify Department by providing written notice.

The Certificate Holder address shall read:

**Board of Water Supply, County of Kaua'i**  
**4398 Pua Loke Street, Lihue, HI 96766**

**Attention:** ( \_\_\_\_\_ **Name of Contact Person**)

**Contract No.** \_\_\_\_\_

**Project Title** \_\_\_\_\_

Concurrent with the execution the contract the Contractor shall furnish the Department with original certificates and endorsements effecting required coverage(s). The Department reserves the right to require complete copies of all required insurance policies, including the policy declarations and endorsements affecting the coverage at any time.

Failure to secure and maintain the required insurance shall be considered as a material breach of the contract. Should the Board be forced to expend funds that would have been covered under the specified insurance, Contractor shall reimburse the Board for such funds. In the event the Board determines, in its sole and absolute discretion, that it is necessary to purchase the coverages herein required of the Contractor, and which the Contractor has failed to secure, the Contractor shall reimburse the Board for the expenditure of such funds.

**Right to Revise or Reject.** Department reserves the right, but not the obligation, to review and revise any insurance requirement, not limited to limits, coverages and endorsements based on insurance market conditions affecting the availability or affordability of coverage; or changes in the scope of work or specifications affecting the applicability of coverage. Additionally, the Department reserves the right, but not the obligation, to review and reject any insurance policies failing to meet the criteria stated herein or any insurer providing coverage due to its poor financial condition or failure to operate legally.

**B. Minimum Insurance Coverage Requirements**

Unless otherwise approved by the Manager and Chief Engineer, the policy or policies of insurance maintained by the Contractor shall provide the following minimum limit(s) and coverage(s) as specified herein and be placed with an insurance carrier authorized to do business in the State of Hawaii and rated A-VII by A.M. Best:

**Commercial General Liability.** The Contractor shall procure and maintain Commercial General Liability, with dedicated required limits, as set forth herein, written on occurrence form providing:

Designated premises basis

**OR**

Per Project basis

The coverages shall include the following:

- Premises Operations
- Independent Contractors
- Products and Completed Operations
- Broad Form Property Damage including completed operations
- Blanket Contractual Liability
- Personal Injury
- Employees named as Additional Insured
- Severability of Interest
- Explosion, Collapse and Underground Property Damage

The minimum limits of liability may be satisfied by providing either:

<p><b>Bodily Injury and Property Damage Combined Single Limit:</b>  <input type="checkbox"/> \$2,000,000 per occurrence  <input type="checkbox"/> \$2,000,000 annual aggregate</p>	<b>OR</b>	<p><b>Personal Injury:</b></p> <ul style="list-style-type: none"> <li>▪ \$1,000,000 per occurrence</li> <li>▪ \$2,000,000 annual aggregate</li> </ul> <p><b>AND</b></p> <p><b>Products and Completed Operations:</b></p> <ul style="list-style-type: none"> <li>▪ \$1,000,000 per occurrence</li> <li>▪ \$2,000,000 annual aggregate</li> </ul>
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Contractor must provide evidence the Board is an Additional Insured for Products/Completed Operations coverage for both ongoing operations and after substantial completion of the work. This coverage may be provided by the ISO form CG 2010 (11 85) or an equivalent policy form. Coverage provided by a non-equivalent CGL form shall be specifically endorsed providing both the course of construction and products/completed operations. ISO CG 2010 (04 13) and ISO form CG 2037 (04 13) or an equivalent form is required from the Contractor. The Contractor and subcontractor(s), if any, shall provide evidence to the Department on an annual basis the products/completed operation coverage is in effect for two (2) years after substantial completion of the project.

- Business Automobile Liability.** The Contractor shall procure and maintain Business Automobile Liability written on occurrence form for all Owned, Non-owned, and Hired automobiles. If the Contractor does not own automobiles, Contractor shall agree to maintain coverage for Hired & Non-Owned Auto Liability, which may be satisfied by way of endorsement to the Commercial General Liability policy or separate Business Automobile Liability. Coverage shall be for automobile contractual liability, uninsured and underinsured motorist coverage, basic no-fault, and personal injury protection, as required by Hawai'i law with the following limits:

**Bodily Injury**  
\$1,000,000 per person  
\$1,000,000 per occurrence  
**Property Damage**  
\$1,000,000 per accident

- Workers' Compensation and Employer's Liability.** The Contractor shall procure and maintain at all times during the term of the contract the following insurance liability coverage: Workers' Compensation, Temporary Disability Insurance (TDI), and similar insurance that is required by the State of Hawai'i or federal laws. Self-insurance is permitted subject to submission of a copy of the appropriate governmental authorization and qualification by the Contractor and subcontractor(s).  
The minimum limits of liability to be maintained are as follows:

**Coverage A: State of Hawai'i Workers' Compensation Law:**  
Statutory Limits.

**Coverage B: Employer's Liability:**  
Bodily Injury from each accident \$1,000,000  
Bodily Injury from disease \$1,000,000  
Bodily Injury from disease aggregate \$1,000,000

- Builder's Risk.** The Contractor shall procure and maintain an Inland Marine Builder's Risk policy providing coverage to protect the interests of the Board, Contractor, sub-contractors, architects, and engineers, including property in transit and property on or off- premises, which shall become part of the building, or Project. Coverage shall be written on an **All Risk, Replacement Cost, and Completed Value Form** basis in an amount at least equal to 100% of the projected completed value of the Project as well as subsequent modifications of that sum, unless an agreed amount is otherwise stated between the Department and the Contractor. The policy shall insure all work, labor, and materials furnished by the Contractor and the Contractor's subcontractors against loss occasioned by fire, lightning, windstorm, theft, vandalism, malicious mischief, flood, earthquake, and collapse.

The amount of coverage for the perils of flood and earthquake may be subject to a sub-limit. The sub-limit shall provide coverage of at least 25% of the full replacement cost.

The policy shall also include coverage for debris removal and reasonable compensation for architect's and engineer's services and expenses required as a result of an insured loss. The Contractor shall endorse the policy with a manuscript endorsement eliminating the automatic termination of coverage in the event the building is occupied in whole or in part, or put to its intended use, or partially accepted by the Department. The manuscript endorsement shall amend the automatic termination clause to only terminate coverage if the policy expires, is cancelled, the Board's interest in the building ceases, or the building is accepted or insured by the Board.

The Contractor shall name the Board of Water Supply, County of Kaua'i as a loss payee on the Builder's Risk policy.

**Installation Floater.** The Contractor shall procure and maintain an Installation Floater policy providing coverage to protect the interests of the Board, Contractor, sub-contractor(s), architects, and engineers, including property in transit and property on or off-premises, which shall become part of the project.

Coverage shall be written on an All Risk, Replacement Cost, and Completed Value Form basis in an amount at least equal to 100% of the projected completed value of the Project as well as subsequent modifications of that sum, unless an agreed amount is otherwise stated between the Department and the Contractor. The policy shall insure all work, labor, and materials furnished by the Contractor and the Contractor's subcontractors against loss occasioned by fire, lighting, windstorm, theft, vandalism, malicious mischief, flood, earthquake, and collapse.

The amount of coverage for the perils of flood and earthquake may be subject to a sub-limit. The sub-limit shall provide coverage of at least 25% of the full replacement cost.

The policy shall also include coverage for debris removal and reasonable compensation for architect's and engineer's services and expenses required as a result of an insured loss. The Contractor shall endorse the policy with a manuscript endorsement eliminating the automatic termination of coverage in the event the building is occupied in whole or in part, or put to its intended use, or partially accepted by the Department. The manuscript endorsement shall amend the automatic termination clause to only terminate coverage if the policy expires, is cancelled, the Board's interest in the building ceases, or the building is accepted or insured by the Board.

The Contractor shall name the Board of Water Supply, County of Kaua'i as a loss payee on the Installation Floater policy.

**Professional Liability (Errors and Omissions).** The Contractor and its subcontractors shall procure and maintain Professional Liability Insurance (Errors and Omissions Insurance) that covers all such activities under the contract. Such insurance shall have these minimum limits and coverage(s):

\$1,000,000 per occurrence  
\$2,000,000 annual aggregate

For policies written on a "Claims-Made" basis, Contractor warrants the retroactive date equals or precedes the effective date of the contract. In the event the policy is canceled, non-renewed, switched to an Occurrence Form, retroactive date advanced; or any other event triggering the right to purchase a Supplemental Extended Reporting Period (SERP) during the life of the contract, Contractor shall agree to purchase Supplement Extended Reporting Period (SERP) with a minimum reporting period not less than **two (2)** years.

The requirement to purchase a SERP shall not relieve Contractor of the obligation to provide replacement coverage.

**Pollution Legal Liability.** The Contractor shall procure and maintain Pollution Liability or similar Environmental Impairment Liability at a minimum limit not less than:

\$1,000,000 per occurrence  
\$2,000,000 annual aggregate

The policy shall provide coverage for damages against, but not limited to, third-party liability, clean-up, corrective action including assessment, remediation and defense costs.

**Contractor's Pollution Liability.** Contractor shall procure and maintain pollution liability insurance when the Scope of Work involves removal, abatement, encapsulation or other treatment, disposal or remediation of asbestos or other hazardous materials or an exposure to pollutants or impairment of the environment. The policy shall provide coverage for third party liability, clean-up, and corrective action including assessment remediation and defense costs. The policy may be written on either an occurrence form or claims made. The minimum limits of liability shall be:

\$1,000,000 per occurrence  
\$2,000,000 annual aggregate

**Crime Insurance or Commercial Fidelity Bond:** Contractor shall procure and maintain Commercial Crime Insurance or Fidelity Bond providing Employee Dishonesty on a blanket basis covering all of the Contractor's employees with a minimum amount of insurance at least equal to the amount of the contract. The policy shall be endorsed to cover "Third-Party Liability" including a third-party beneficiary clause in favor of the Board. The policy shall include a minimum twelve (12) month "Discovery Period" when written on a Loss Sustained basis.

**Property.** The Tenant or Lessee, shall agree to maintain property insurance including flood and windstorm written on a replacement cost basis in an amount not less than 100% of the replacement cost of the building(s) and contents, including betterments and improvements made by the Tenant or Lessee, located on the premises. Contractor shall agree to be fully responsible for any deductible or self-insured retention, and to provide this coverage on primary basis.

**Umbrella or Excess Liability.** Contractor may satisfy the minimum liability limits required above under an Umbrella or Excess Liability policy with \$1,000,000 per occurrence and \$2,000,000 aggregate. If Contractor is using its Umbrella or Excess Liability Insurance policy to satisfy the minimum requirements, Contractor shall agree to endorse the Board of Water Supply, County of Kaua'i as "Additional Insured" on the Umbrella or Excess Liability policy, or shall confirm in writing that its Umbrella or Excess Liability policy "follows form."

CONTRACT (EXHIBIT J)

## EXHIBIT K - CONTRACT CHANGE ORDER

### CONTRACT CHANGE ORDER DEPARTMENT OF WATER COUNTY OF KAUAI

Project						Order No.	
						Date	
Project No.		Change Requested By:			Contract No.		
To _____, Contractor:							
Estimate of Quantities and Costs:							
Item No.	Item	Quantity	Unit	Contract Unit Price	Agreed Unit Price	\$ Amount (+ or -)	
CONTRACT PRICE		CONTRACT CERTIFICATION			CONTRACT TIME		
___ No Change ___ Increased by \$ _____ ___ Decreased by \$ _____		Amount Certified \$ _____ New Contract Price \$ _____			___ No Change ___ Increased by _____ Calendar days ___ Decreased by _____ Calendar days		
Submitted by:		Approved:			Accepted:		
Project Engineer                      Date		Fiscal Officer                      Date					
ED&C Division Head                      Date		Mgr & Chief Engineer                      Date					
<p>This Change Order No. ___ is issued pursuant to the Contract and, upon execution, shall become incorporated in the Contract. The amount set forth in this Change Order comprises the total compensation due the Contractor, all Subcontractors, and all Suppliers, for any work performed under this Change Order, including impact on unchanged work. The signing of this Change Order indicates that the Change Order constitutes full mutual accord and satisfaction for the contract including any change and that the charge under this Change Order constitutes the total equitable adjustment owed the Contractor, all Subcontractors, and all Suppliers under this contract. Any future dispute regarding time required for performance or contract price as related to this Change Order is subject to the terms of the General Provisions for Construction Contracts of the Department of Water, County of Kaua'i as amended and Hawai'i Revised Statutes and Hawai'i Administrative Rules.</p>							
Accepted:							
Contractor		Title			Date		

CONTRACT CHANGE ORDER (EXHIBIT K)

# EXHIBIT L – CONTRACT MODIFICATION FORM

## CONTRACT MODIFICATION FORM (11/15/11)

DEPARTMENT OF WATER  
COUNTY OF KAUAI  
STATE OF HAWAII

MODIFICATION ORDER NO. \_\_\_\_\_ Date \_\_\_\_\_

Contractor \_\_\_\_\_ Contract No. \_\_\_\_\_

Contract Title \_\_\_\_\_

### A. MODIFICATIONS

The following modifications are to be performed in accordance with all contract stipulations (specifications, delivery point, rate of delivery, period of performance, price, quantity, or other provisions by mutual action of the parties to the contract.)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### B. CONTRACTOR'S QUOTATION

The modifications described in "A" above will be performed at a contract price \_\_\_\_ increase \_\_\_\_ decrease of \$ \_\_\_\_\_. Contractor will not undertake to perform the changes in "A" above until this modification order has been approved and issued.

\_\_\_\_\_  
Contractor's Signature and Date

### C. STATEMENT OF CONTRACT FUNDS

Original Contract Price \$ \_\_\_\_\_

Previous Adjusted Contract Price \$ \_\_\_\_\_

Amount this Change: Plus \_\_\_\_ Minus \_\_\_\_\_

New Adjusted Contract Price \$ \_\_\_\_\_

### D. VALIDATION OF CONTRACT MODIFICATION

\_\_\_\_\_  
Dept. of Water Date

\_\_\_\_\_  
Manager & Chief Engineer Date

DISTRIBUTION: Original - Contracting Office c: Contractor

CONTRACT MODIFICATION FORM (EXHIBIT L)

**EXHIBIT M – AS BUILT INFORMATION REQUIRED**  
**AS-BUILT INFORMATION REQUIRED**

**A. As-built information for Waterlines**

1. Note any changes in alignment and grade.
  - a. Reference alignment change to baseline or original waterline alignment.
2. Note the cover and existing waterlines (when exposed) and at connection areas.
3. Note the brand and model no. of the following:
  - a. Fire Hydrants
  - b. Valves
  - c. A.C. pipe
  - d. D.I. pipe
  - e. Backflow Preventers (also note down the serial number)
4. Count the number of turns required to open each valve.
  - a. Note this down in the as-builts and write in the date that this was checked.
5. Reference the location of all valves.
  - a. Use the best available reference points.
  - b. If a power pole is used, note down the pole number.
  - c. Use at least two (2) reference points per valve
  - d. Examples of reference points.
    - i. Fire hydrant
    - ii. Water meter box
    - iii. ARV box
    - iv. Cleanout box
    - v. Power pole
    - vi. Street light base
    - vii. Guy wire anchor
    - viii. Street Monument
    - ix. Corner of catch basin
    - x. Drainage structures
    - xi. Manhole Cover
    - xii. Street Signs
    - xiii. Bridge abutments
    - xiv. Corner of a building
    - xv. Any reasonably permanent object
6. Reference hydrant valves to at least two (2) other reference points in addition to the distance from the hydrant head.
  - a. If the hydrant gets knocked down by a vehicle and doesn't get replaced until later, and in the meantime, if the State or County repaves the roadway and the roadway and the hydrant bury gets overgrown with vegetation, Operations can locate the hydrant valve by measuring from the reference points.

AS-BUILT INFORMATION REQUIRED (EXHIBIT M)

## **B. As-built information for Service Laterals**

1. When a new service lateral is installed away from the property corners, measure the distance from the nearest property corner to the meter box.
2. When the existing service laterals are not located at the property corners, measure the distance from the nearest property corner to the existing meter boxes.
  - a. Write down the meter numbers for the existing meter(s).
3. Measure the distance from the angle valve to the waterline at cul-de-sacs and along curves
4. Detector Checks and Compound Meter Laterals
  - a. Verify that the meter spool cannot flow water through the lateral.

## **C. As-built Drawing Information for Pumping Stations**

1. Depth to bottom of well
  - a. Usually measured with a bailer
2. Depth of static water level
  - a. Use well sounder
3. Length and diameter of discharge columns installed
4. Length of pump bowls
5. Length of strainer
6. Location of the bottom of the airline
  - a. Usually placed at the top of the pump coupling
  - b. The bottom of the airline should be beveled at a 45-degree angle
7. Pump data
  - a. Brand, serial number, model number, number of stages.
8. Take meggar readings when installing submersible pumps
9. Motor data
  - a. Write down the nameplate data and space heater serial number on the as-built plans
10. Record the nameplate data for:
  - a. Booster pumps
  - b. Chlorinator booster pumps
  - c. Air compressors

## **D. As-built Information for Water Tanks**

1. Reference the location of the splices along the water stop.

## EXHIBIT N – BMP INSPECTION FORM

Department of Water  
County of Kauai  
Lihue, Kauai, Hawaii

### Site Specific Construction Best Management Practices Inspection Form

Job No.: \_\_\_\_\_ Water Plan 2020 No.: \_\_\_\_\_ NGPC File No.: \_\_\_\_\_

Project Title: \_\_\_\_\_

Date: \_\_\_\_/\_\_\_\_/\_\_\_\_ Weather: \_\_\_\_\_

DOW Inspector: \_\_\_\_\_

Duly Authorized Representative: \_\_\_\_\_ Contractor: \_\_\_\_\_

Site Specific Construction Best Management Practices (SSCBMPs) Plan	Yes	No	N/A	Date Corrected	Notes*
Is a copy of the SSCBMP plan available at the site?					
Is the SSCBMP plan certified, signed and dated?					
Is the SSCBMP pan current and up-to-date?					
Are accompanying erosion and sediment control (ESC) drawings available at the site?					
Are the ESC drawings up-to-date?					
Are all NGPCs available at the site?					
Are inspection records available at the site?					



Best Management Practices	Location	Installed per Specification (Y/N)	Adequate	Needs maintenance	N/A	Date Corrected	Notes*
Storm Water Run On (SSCBMP Section 3.1)							
Vegetated Diversion Ditches							
Soil Stabilization (SSCBMP Section 3.2)							
n/a							

Best Management Practices	Location	Installed per Specification (Y/N)	Adequate	Needs maintenance	N/A	Date Corrected	Notes*
Slope Protection (SSCBMP Section 3.3)							
Erosion Control Mats							
Storm Drain Inlet Protection (SSCBMP Section 3.4)							
Mulch socks at all active inlets							
Perimeter Controls and Sediment Barriers (SSCBMP Section 3.5)							
Silt Fence							
Mulch socks							
Sediment Basins and Detention Ponds (SSCBMP Section 3.6)							
Sed Basin							
Stabilized Ingress/Egress (SSCBMP Section 3.7)							
Stabilized egress							
Signage for entrance only							
Signage for exit only							
Additional Erosion and Sediment Control BMPs (SSCBMP Section 3.8)							
Mirafi over soil stockpile							
Material Handling and Waste Management (SSCBMP Section 3.9)							

Bins for Trash							
Baseyards/Staging Areas (SSCBMP Section 3.10)							
Store paint/resin/plaster in container							
Silt Fence							
Wash out Areas (SSCBMP Section 3.11)							
Concrete Washout Container							
Concrete Washout Container							
Proper Equipment/Vehicle Fueling and Maintenance Practices (SSCBMP Section 3.12)							
Lined pit under diesel tank							
Spill kit next to diesel tank							
Additional Non-Erosion or Sediment Control BMPs (SSCBMP Section 3.13)							

Best Management Practices	Location	Installed per Specification (Y/N)	Adequate	Needs maintenance	N/A	Date Corrected	Notes*
Post Construction BMPs (SSCBMP Section 3.14)							
Other							

\* Attached additional sheet for notes if necessary

Site Conditions	Yes	No	N/A	Notes and Corrective Actions
-----------------	-----	----	-----	------------------------------

Are Off-site flows entering the construction site?				
Is there evidence of polluted discharges off the site?				
Is there evidence of polluted discharges from the site to a state water (e.g. storm drain, ditch, stream, ocean)?				
Is repair, maintenance, or installation of sediment control BMPs needed at the site?				
Is repair, maintenance, or installation of erosion control BMPs needed at the site?				
Are construction materials/debris/trash/soil stored or disposed of properly on site?				
Is there vehicle tracking from the site to receiving streets?				
Do locations exist where additional or revised BMPs are needed?				
Do locations exist where BMPs may no longer be necessary and may be removed?				
Does your site evaluation indicate a need to update or revise the current SSCBMP plan and/or accompanying erosion and sediment control drawings?				

Pictures taken during the SSCBMP inspection documented above are attached.

YES

NO

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false

information, including the possibility of fine and imprisonment for knowing violations.

---

Duly Authorized Representative    Printed Name

---

Duly Authorized Representative    Signature    Date

\* Duly Authorized Representative as submitted to DOH for NPDES permit

As an inspector, acting on behalf of the Department of Water, County of Kauai, I certify, to the best of my knowledge and belief, that the inspection verified the compliance of the approved and/or amended site specific BMP plan. All other requirements of the NPDES permit approval are the sole responsibility of the contractor, who is the independent contractor, hired to act as a duly authorized representative of the Kauai Department of Water, and I shall not be personally liable for any violations to the approved permit conditions.

---

DOW Inspector Printed Name

---

DOW Inspector Signature    Date

**EXHIBIT O – EMPLOYMENT OF STATE RESIDENTS COMPLIANCE FORM**

**CERTIFICATION OF COMPLIANCE  
FOR  
EMPLOYMENT OF STATE RESIDENTS  
ACT 68, SESSION LAWS OF HAWAII 2010**

Project Title: \_\_\_\_\_

Agency Project No.: \_\_\_\_\_

Contract No.: \_\_\_\_\_

As required by Act 68, Session Laws of Hawai'i 2010-Employment of State Residents on Construction Procurement Contracts, I hereby certify under oath, that I am an officer of \_\_\_\_\_ and for the month of \_\_\_\_\_, 20\_\_\_\_, \_\_\_\_\_ is in compliance with Act 68, SLH 2010, by employing a workforce of whom not less than eighty percent are Hawai'i residents, as calculated according to the formula in the solicitation, to perform this Contract.

- I am an officer of the **Contractor** for this contract.
- I am an officer of a **Subcontractor** for this contract.

*CORPORATE SEAL*

\_\_\_\_\_  
(Name of Company)

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Print Name)

\_\_\_\_\_  
(Print Title)

Subscribed and sworn to me before this \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

Doc. Date: \_\_\_\_\_ # Pages: \_\_\_\_\_

Name of Notary: \_\_\_\_\_, \_\_\_\_ Circuit

\_\_\_\_\_  
Notary Public, \_\_\_\_ Circuit, State of Hawai'i

Doc. Description: \_\_\_\_\_

My Commission Expires: \_\_\_\_\_

\_\_\_\_\_  
Notary Signature Date

**NOTARY CERTIFICATION**

EMPLOYMENT OF STATE RESIDENTS COMPLIANCE FORM (EXHIBIT O)

# EXHIBIT P – REQUEST FOR INFORMATION (RFI) FORM

## RFI

To: Dustin Moises, P.E.  
Kauai Department of Water  
4398 Pua Loke Street  
Lihue, HI 96766

RFI #:  
Date:  
Job No.:  
Contractor Phone:  
Contractor email:

CC:

Subject:

Drawing Sheet #:  
Specification Section:  
Cost Impact:  
Schedule Impact:

Request:
Requested by: _____
Date response required: _____

Response:
Answered by: _____
Company: _____
Date: _____

REQUEST FOR INFORMATION (RFI) FORM (EXHIBIT P)

# IFB Job No. 18-07

## Appendix D-Insurance

### EXHIBIT D INSURANCE REQUIREMENTS *BOARD OF WATER SUPPLY, COUNTY OF KAUAI*

Contractor shall procure and maintain, on primary basis and at its sole expense, at all times during the life of the contract insurance coverages, limits, including endorsements described herein against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work by the Contractor or the Contractor's agents, representatives, employees or subcontractors. The requirements contained herein, as well as the Department of Water, County of Kaua'i's (hereinafter "DOW") review or acceptance of insurance maintained by the Contractor is not intended to and shall not in any manner limit or qualify the liabilities or obligations assumed by the Contractor.

To the extent applicable, the amounts and types of insurance will conform to the minimum terms, conditions and coverage(s) of Insurance Service Office (ISO) policies, forms, and endorsements.

#### A. General Conditions

**Waiver of Subrogation.** Contractor shall agree by entering into a contract with the Board of Water Supply, County of Kaua'i (hereinafter "Board") to provide a Waiver of Subrogation for the Commercial General Liability, Automobile Liability, and Workers Compensation policies. When required by the insurer, or should a policy condition not permit Contractor to enter into a pre-loss agreement to waive subrogation without an endorsement, the Contractor shall agree to notify the insurer and request the policy be endorsed with a Waiver of Subrogation in favor of the Board. This Waiver of Subrogation requirement shall not apply to any policy, which includes a condition specifically prohibiting such an endorsement, or voids coverage should Contractor enter into such an agreement on a pre-loss basis.

**Additional Insured.** Contractor shall agree to endorse the **BOARD OF WATER SUPPLY, COUNTY OF KAUAI** as an **Additional Insured** with a CG026 Additional Insured – Designated Person or Organization endorsement, a copy of the applicable policy language, or similar endorsement to all required insurance policy(ies), except for Workers Compensation and Professional Liability.

**Deductibles and Self-Insured Retentions.** Any deductibles or self-insured retentions must be declared to and approved by the DOW. At the option of the DOW, either: the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the Board; or the Contractor shall provide a financial guarantee (audited financial statement) satisfactory to the Department guaranteeing payment of losses and related investigations, claim administration and defense expenses.

When a self-insured retention (SIR) or deductible exceeds \$50,000, the Department reserves the right, but not the obligation, to review and request a copy of the Contractor's most recent annual report or audited financial statement.

**Contractor's Responsibility.** The Contractor is responsible for paying any portion of any loss not covered because of the operation of any deductible, co-insurance clause or self-insured retention applicable to the insurance required herein. If the Board is damaged by the failure of the Contractor to maintain insurance as required in this paragraph, then the Contractor shall bear all reasonable costs properly attributable to that failure.

**Primary and Non-contributory.** All policies required of the Contractor will be endorsed as primary and any insurance or self-insurance program maintained by the Board shall be non-contributory.

**Certificate of Insurance.** Concurrent with the execution of the contract, Contractor shall provide the Department a certificate of insurance completed by a duly authorized representative of their insurer certifying that the liability coverage(s) is written on an occurrence form. Immediately upon becoming aware that its insurance will be cancelled, non-renewed, or materially changed, Contractor will notify Department by providing written notice.

The Certificate Holder address shall read:

Board of Water Supply, County of Kaua'i  
4398 Pua Loke Street, Līhu'e, HI 96766  
Attention: Dustin Moises  
Contract No.: TBD  
Project Title: Job No. 18-07 Kukuioolono 0.2 MG Tank Demolition, Kaua'i,  
Hawaii

Concurrent with the execution the contract the Contractor shall furnish the Department with original certificates and endorsements effecting required coverage(s). The Department reserves the right to require complete copies of all required insurance policies, including the policy declarations and endorsements affecting the coverage at any time.

Failure to secure and maintain the required insurance shall be considered as a material breach of the contract. Should the Board be forced to expend funds that would have been covered under the specified insurance, Contractor shall reimburse the Board for such funds. In the event the Board determines, in its sole and absolute discretion, that it is necessary to purchase the coverages herein required of the Contractor, and which the Contractor has failed to secure, the Contractor shall reimburse the Board for the expenditure of such funds.

**Right to Revise or Reject.** Department reserves the right, but not the obligation, to review and revise any insurance requirement, not limited to limits, coverages and endorsements based on insurance market conditions affecting the availability or affordability of coverage; or changes in the scope of work or specifications affecting the applicability of coverage. Additionally, the Department reserves the right, but not the



obligation, to review and reject any insurance policies failing to meet the criteria stated herein or any insurer providing coverage due to its poor financial condition or failure to operate legally.

**B. Minimum Insurance Coverage Requirements**

Unless otherwise approved by the Manager and Chief Engineer, the policy or policies of insurance maintained by the Contractor shall provide the following minimum limit(s) and coverage(s) as specified herein and be placed with an insurance carrier authorized to do business in the State of Hawai‘i and rated A-VII by A.M. Best:

**Commercial General Liability.** The Contractor shall procure and maintain Commercial General Liability, with dedicated required limits, as set forth herein, written on occurrence form providing:

- Designated premises basis                      OR                       Per Project basis

The coverages shall include the following:

- Premises Operations
- Independent Contractors
- Products and Completed Operations
- Broad Form Property Damage including completed operations
- Blanket Contractual Liability
- Personal Injury
- Employees named as Additional Insured
- Severability of Interest
- Explosion, Collapse and Underground Property Damage

The minimum limits of liability may be satisfied by providing either:

<p><b>Bodily Injury and Property Damage Combined Single Limit:</b></p> <ul style="list-style-type: none"> <li>• \$2,000,000 per occurrence</li> <li>• \$2,000,000 annual aggregate</li> </ul>	<p><b>OR</b></p>	<p><b>Personal Injury:</b></p> <ul style="list-style-type: none"> <li>• \$1,000,000 per occurrence</li> <li>• \$2,000,000 annual aggregate</li> </ul> <p style="text-align: center;"><b>AND</b></p> <p><b>Products and Completed Operations:</b></p> <ul style="list-style-type: none"> <li>• \$1,000,000 per occurrence</li> <li>• \$2,000,000 annual aggregate</li> </ul>
---	------------------	---

Contractor must provide evidence the Board is an Additional Insured for Products/Completed Operations coverage for both ongoing operations and after

substantial completion of the work. This coverage may be provided by the ISO form CG 2010 (11 85) or an equivalent policy form. Coverage provided by a non-equivalent CGL form shall be specifically endorsed providing both the course of construction and products/completed operations. ISO CG 2010 (04 13) and ISO form CG 2037 (04 13) or an equivalent form is required from the Contractor. The Contractor and subcontractor(s), if any, shall provide evidence to the Department on an annual basis the products/completed operation coverage is in effect for two (2) years after substantial completion of the project.

**Business Automobile Liability.** The Contractor shall procure and maintain Business Automobile Liability written on occurrence form for all Owned, Non-owned, and Hired automobiles. If the Contractor does not own automobiles, Contractor shall agree to maintain coverage for Hired & Non-Owned Auto Liability, which may be satisfied by way of endorsement to the Commercial General Liability policy or separate Business Automobile Liability. Coverage shall be for automobile contractual liability, uninsured and underinsured motorist coverage, basic no-fault, and personal injury protection, as required by Hawaii law with the following limits:

**Bodily Injury**

\$1,000,000 per person  
\$1,000,000 per occurrence

**Property Damage**

\$1,000,000 per accident

**Workers' Compensation and Employer's Liability.** The Contractor shall procure and maintain at all times during the term of the contract the following insurance liability coverage: Workers' Compensation, Temporary Disability Insurance (TDI), and similar insurance that is required by the State of Hawaii or federal laws. Self-insurance is permitted subject to submission of a copy of the appropriate governmental authorization and qualification by the Contractor and subcontractor(s).

The minimum limits of liability to be maintained are as follows:

**Coverage A: State of Hawaii Workers' Compensation Law:**

Statutory Limits

**Coverage B: Employer's Liability:**

Bodily Injury from each accident	\$1,000,000
Bodily Injury from disease	\$1,000,000
Bodily Injury from disease aggregate	\$1,000,000

**Builder's Risk.** The Contractor shall procure and maintain an Inland Marine Builder's Risk policy providing coverage to protect the interests of the Board, Contractor, sub-contractors, architects, and engineers, including property in transit and property on or off-premises, which shall become part of the building, or Project. Coverage shall be written on an **All Risk, Replacement Cost, and Completed Value Form** basis in an amount at least equal to 100% of the projected completed value of the Project as well as subsequent modifications of that sum, unless an agreed amount is otherwise stated between the Department and the Contractor. The policy shall insure all work, labor, and materials furnished by the Contractor and the Contractor's subcontractors against loss occasioned by fire, lightning, windstorm, theft, vandalism, malicious mischief, flood, earthquake, and collapse.

The amount of coverage for the perils of flood and earthquake may be subject to a sub-limit. The sub-limit shall provide coverage of at least 25% of the full replacement cost.

The policy shall also include coverage for debris removal and reasonable compensation for architect's and engineer's services and expenses required as a result of an insured loss. The Contractor shall endorse the policy with a manuscript endorsement eliminating the automatic termination of coverage in the event the building is occupied in whole or in part, or put to its intended use, or partially accepted by the Department. The manuscript endorsement shall amend the automatic termination clause to only terminate coverage if the policy expires, is cancelled, the Board's interest in the building ceases, or the building is accepted or insured by the Board.

The Contractor shall name the Board of Water Supply, County of Kaua'i as a loss payee on the Builder's Risk policy.

**Installation Floater.** The Contractor shall procure and maintain an Installation Floater policy providing coverage to protect the interests of the Board, Contractor, sub-contractor(s), architects, and engineers, including property in transit and property on or off-premises, which shall become part of the project.

Coverage shall be written on an All Risk, Replacement Cost, and Completed Value Form basis in an amount at least equal to 100% of the projected completed value of the Project as well as subsequent modifications of that sum, unless an agreed amount is otherwise stated between the Department and the Contractor. The policy shall insure all work, labor, and materials furnished by the Contractor and the Contractor's subcontractors against loss occasioned by fire, lightning, windstorm, theft, vandalism, malicious mischief, flood, earthquake, and collapse.

The amount of coverage for the perils of flood and earthquake may be subject to a sub-limit. The sub-limit shall provide coverage of at least 25% of the full replacement cost.

The policy shall also include coverage for debris removal and reasonable compensation for architect's and engineer's services and expenses required as a result of an insured loss. The Contractor shall endorse the policy with a manuscript endorsement eliminating

the automatic termination of coverage in the event the building is occupied in whole or in part, or put to its intended use, or partially accepted by the Department. The manuscript endorsement shall amend the automatic termination clause to only terminate coverage if the policy expires, is cancelled, the Board's interest in the building ceases, or the building is accepted or insured by the Board.

The Contractor shall name the Board of Water Supply, County of Kauai as a loss payee on the Installation Floater policy.

**Professional Liability (Errors and Omissions).** The Contractor and its subcontractors shall procure and maintain Professional Liability Insurance (Errors and Omissions Insurance) that covers all such activities under the contract. Such insurance shall have these minimum limits and coverage(s):

\$1,000,000 per occurrence  
\$2,000,000 annual aggregate

For policies written on a "Claims-Made" basis, Contractor warrants the retroactive date equals or precedes the effective date of the contract. In the event the policy is canceled, non-renewed, switched to an Occurrence Form, retroactive date advanced; or any other event triggering the right to purchase a Supplemental Extended Reporting Period (SERP) during the life of the contract, Contractor shall agree to purchase Supplement Extended Reporting Period (SERP) with a minimum reporting period not less than two (2) years. The requirement to purchase a SERP shall not relieve Contractor of the obligation to provide replacement coverage.

**Pollution Legal Liability.** The Contractor shall procure and maintain Pollution Liability or similar Environmental Impairment Liability at a minimum limit not less than:

\$1,000,000 per occurrence  
\$2,000,000 annual aggregate

The policy shall provide coverage for damages against, but not limited to, third-party liability, clean-up, corrective action including assessment, remediation and defense costs.

**Contractor's Pollution Liability.** Contractor shall procure and maintain pollution liability insurance when the Scope of Work involves removal, abatement, encapsulation or other treatment, disposal or remediation of asbestos or other hazardous materials or an exposure to pollutants or impairment of the environment. The policy shall provide coverage for third party liability, clean-up, and corrective action including assessment remediation and defense costs. The policy may be written on either an occurrence form or claims made. The minimum limits of liability shall be:

\$1,000,000 per occurrence  
\$2,000,000 annual aggregate

**Crime Insurance or Commercial Fidelity Bond.** Contractor shall procure and maintain Commercial Crime Insurance or Fidelity Bond providing Employee Dishonesty on a blanket basis covering all of the Contractor's employees with a minimum amount of insurance at least equal to the amount of the contract. The policy shall be endorsed to cover "Third-Party Liability" including a third-party beneficiary clause in favor of the Board. The policy shall include a minimum twelve (12) month "Discovery Period" when written on a Loss Sustained basis.

**Property.** The Tenant or Lessee, shall agree to maintain property insurance including flood and windstorm written on a replacement cost basis in an amount not less than 100% of the replacement cost of the building(s) and contents, including betterments and improvements made by the Tenant or Lessee, located on the premises. Contractor shall agree to be fully responsible for any deductible or self-insured retention, and to provide this coverage on primary basis.

**Umbrella or Excess Liability.** Contractor may satisfy the minimum liability limits required above under an Umbrella or Excess Liability policy with \$1,000,000 per occurrence and \$2,000,000 aggregate. If Contractor is using its Umbrella or Excess Liability Insurance policy to satisfy the minimum requirements, Contractor shall agree to endorse the Board of Water Supply, County of Kaua'i as "Additional Insured" on the Umbrella or Excess Liability policy, or shall confirm in writing that its Umbrella or Excess Liability policy "follows form."

**IFB Job No. 18-07**  
**Appendix I-Hazardous Documents**

**LIMITED HAZARDOUS MATERIALS  
SURVEY REPORT**

**KUKUIOLONO UST AND TANK REMOVAL  
KALAHEO, KAUAI, HAWAII  
JOB NO. 18-07**

Prepared for:  
**DEPARTMENT OF WATER, COUNTY OF KAUAI**  
4398 Pua Loke Street  
Lihue, Hawaii 96766

Prepared by:  
**ENVIROSERVICES & TRAINING CENTER, LLC**  
505 Ward Avenue, Suite 202  
Honolulu, Hawaii 96814  
tel: (808) 839-7222

ETC Project No. 18-2014

January 16, 2019

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APPENDIX I: .....LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY FORMS


## 1.0 CERTIFICATIONS AND LIMITATIONS

---

EnviroServices & Training Center, LLC (ETC) has completed a Limited Hazardous Materials Survey (Survey) for the Kukuiolono UST and Tank Removal project located in Kalaheo, Hawaii (Subject Site). ETC's findings and recommendations contained herein are based on site observations, government regulations and laboratory data, which were gathered at the time and location of the study. Opinions stated in this report do not apply to changes that may have occurred after the services were performed.

ETC has performed specified services for this project with the degree of care, skill and diligence ordinarily exercised by professional consultants performing the same or similar services. No other warranty, guarantee, or representation, expressed or implied, is included or intended; unless otherwise specifically agreed to in writing by both ETC and ETC's Client.

This report is intended for the sole use of Department of Water, County of Kauai exclusively for the Subject Site. Department of Water, County of Kauai may use and release this report, including making and retaining copies, provided such use is limited to the particular site and project for which this report is provided. However, the services performed may not be appropriate for satisfying the needs of other users. Release of this report to third-parties will be at the sole risk of ETC's Client and/or said user, and ETC shall not be liable for any claims or damages resulting from or connected with such release or any third party's use or reuse of this report.

Prepared By:  \_\_\_\_\_

Celena Freitas  
State of Hawaii Asbestos Building Inspector # HIASB-3180  
State of Hawaii Lead Risk Inspector # PB-0432

Surveyed By: James Ponds II  
State of Hawaii Asbestos Building Inspector # HIASB-4283  
State of Hawaii Lead Risk Inspector # PB-0992



## **2.0 EXECUTIVE SUMMARY**

---

EnviroServices & Training Center, LLC (ETC) conducted a Limited Hazardous Materials Survey (Survey) and compiled this report for the Kukuiolono UST and Tank Removal project located in Kalaheo, Hawaii (Subject Site). The following hazardous materials were identified during ETC's survey:

### **2.1 Summary of Asbestos Containing Materials Survey**

Laboratory analysis determined that the white fabric sampled from the tank contains asbestos above the regulatory limit of 1%.

### **2.2 Summary of Lead Paint Survey**

The green paint, on the concrete and concrete masonry unit block walls and metal pipes, was found to contain levels of lead above the Environmental Protection Agency (EPA)/United States Department of Housing and Urban Development (HUD) guideline of 0.5 percent lead by defining Lead-Based Paint (LBP). The silver paint was found to contain detectable levels of lead above the laboratory detection limit, but below the EPA/ HUD guideline, classifying it as Lead-Containing Paint (LCP).

### **3.0 INTRODUCTION/PURPOSE**

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The purpose of this Survey was to inspect the Subject Site for the presence of suspected hazardous materials that may be affected by the project. The Survey was conducted on December 7, 2018 and limited to the areas specified by the Department of Water, County of Kauai. Specifically, ETC completed the following tasks:

- Performed site reconnaissance at the Subject Site;
- Collected six (6) samples of suspected Asbestos-Containing Material (ACM) from the Subject Site;
- Submitted the 6 samples of suspected ACM to EMC Labs, Inc. (EMC) for analysis of asbestos via Polarized Light Microscopy (PLM) in accordance with the Environmental Protection Agency (EPA) Method 600/R-93/116;
- Collected two (2) paint chip samples from the Subject Site;
- Submitted the 2 paint chip samples to EMC for analysis by flame atomic absorption spectroscopy (FAAS) via EPA Method 7000 for total lead content; and
- Prepared this report documenting the field activities and the results of the investigation including analytical results, conclusions, and recommendations.

## **4.0 METHODOLOGY**

---

### **4.1 Asbestos**

ETC personnel collected 6 samples of suspected ACM for asbestos analysis. Samples were collected from various areas of the Subject Site in accordance with EPA guidelines and recommendations.

The suspected ACM were wetted with amended water before sample collection. A small piece was then carefully cut out and placed into a labeled, re-sealable plastic bag. The sampling equipment was cleaned between each sample collection to avoid cross-contamination between samples. The approximate quantity of each suspected ACM was noted. Sample locations were randomly selected in accordance with EPA protocols and recommendations.

Samples were properly logged and recorded following strict chain-of-custody procedures, and sent to EMC located in Phoenix, Arizona, for analysis by PLM in accordance with EPA Method 600/R-93/116. EMC is accredited for bulk asbestos analysis through successful participation in the National Voluntary Lab Accreditation Program (NVLAP).

### **4.2 Lead Paint**

ETC personnel collected and had 2 paint chip samples analyzed in accordance with the EPA guidelines and recommendations.

The suspected lead-containing paints were wetted with amended water before sample collection. Paint was carefully scraped and placed into a labeled re-sealable plastic bag. The sampling equipment was cleaned between each sample collection to avoid cross-contamination between samples. Samples were properly logged and recorded following strict chain of custody procedure and submitted to EMC for analysis by FAAS, in accordance with EPA Method 7420. EMC is an Environmental Lead Laboratory Accreditation Program (ELLAP)-accredited laboratory.

## 5.0 RESULTS

### 5.1 Asbestos

One (1) of the materials sampled was found to contain levels of asbestos above the regulatory limit of 1%. The results of these analyses are contained in Table 1, below.

**Table 1**  
**Asbestos Survey Results**

Sample ID	Homogeneous Area	Material	Condition	Category	Friability	Analysis Layer	Asbestos Content
182014-A01	Tank	White Fabric	Good	Misc.	Non-Friable I	All	Chrysotile 85%
182014-A02						Not Analyzed	
182014-A03						Not Analyzed	
182014-A04	Tank Pipes	Red Material	Good	Not Applicable	Not Applicable	All	None Detected
182014-A05							
182014-A06							

In accordance with federal and state regulations and industry standard practice, ETC determined homogenous areas of each suspect material and collected multiple representative samples of the material from each homogenous area. Typically, all samples for a suspect material will have similar laboratory results. When the results differ, a single result above the regulatory limit is sufficient to determine that the material within the homogenous area is ACM and the entirety of the homogenous area should be treated as ACM. Two (2) samples were not analyzed for this reason.

The asbestos analytical laboratory report is included in Appendix I.

**5.2 Lead Paint**

One (1) paint was found to contain detectable levels of lead above the EPA/ HUD guideline of 0.5 percent lead by defining LBP. The other paint was found to contain detectable levels of lead above the laboratory detection limit, but below the EPA/ HUD guideline, classifying it as LCP. The results of these analyses are summarized in Table 2, below.

**Table 2  
Lead Paint Survey Results**

<b>Sample ID</b>	<b>Paint Color</b>	<b>Substrate</b>	<b>Description</b>	<b>Condition</b>	<b>Reporting Limit (% Pb by weight)</b>	<b>Results (% Pb by weight)</b>
<b>182014-L01</b>	<b>Green</b>	<b>Concrete/ Concrete Masonry Unit</b>	<b>Walls</b>	<b>Intact</b>	<b>0.100</b>	<b>1.72</b>
		<b>Metal</b>	<b>Pipes</b>			
182014-L02	Silver	Concrete	Walls	Intact	0.010	0.315
		Metal	Pipes			

The lead analytical laboratory report is included in Appendix I.

## 6.0 DISCUSSION AND RECOMMENDATIONS

---

The findings and recommendations of ETC's limited hazardous material survey extended only to those areas that were accessible at the time of the site reconnaissance.

Based on ETC's visual inspection of the facility and laboratory data, ETC recommends the following:

- Manage and/or remove and dispose of hazardous and regulated materials in accordance with applicable federal, state, and local regulations, prior to renovation and/or demolition activities that may disturb these materials.
- Any material that is suspected to contain a hazardous contaminant but was not tested as part of this survey should be tested prior to disturbance.
- All ACM must be removed and disposed of by a qualified asbestos abatement contractor.
- Remove and dispose of all loose and flaking (poor condition) LCP, including LBP, that may be disturbed during the renovation/demolition activities in accordance with applicable federal, state, and local regulations. Note that conditions of paint may have changed since the time of this survey.
- All LCP, including LBP, waste and debris generated from renovation activities must either be recycled in accordance with applicable regulatory requirements, where available (e.g. metal components), or undergo Toxicity Characteristic Leaching Procedure (TCLP)-Lead analysis prior to disposal.
- Any abatement and demolition contractor(s) must take appropriate measures to comply with applicable EPA, Occupational Safety and Health Administration (OSHA), and Hawaii Occupational Safety and Health (HIOSH) regulations pertaining to the handling of asbestos and lead containing materials and worker protection. Note that OSHA and HIOSH regulate activities that disturb materials containing any detectable concentrations of these contaminants.
- Retain the services of a qualified consultant to monitor and inspect the removal activities to ensure compliance with applicable EPA, OSHA and HIOSH regulations pertaining to the handling of hazardous materials.
- Conduct air monitoring for asbestos fibers and lead dust by qualified personnel during abatement and general renovation/demolition activities of areas that were determined to contain these contaminants.

# *Appendix* **I**

## **LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY FORMS**

# EMC LABS, INC.

9830 S. 51st Street, Suite B109, Phoenix, AZ 85044  
Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

Laboratory Report  
**0213362**

## Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	ENVIROSERVICES & TRAINING CENTER	Job# / P.O. #:	18-2014
Address:	505 WARD AVE, STE 202	Date Received:	01/02/2019
	HONOLULU HI 96814	Date Analyzed:	01/07/2019
Collected:	12/19/2018	Date Reported:	01/07/2019
Project Name:	KUKUIOLONO UST AND TANK REMOVAL	EPA Method:	EPA 600/R-93/116
Address:		Submitted By:	JAMES PONDS II
		Collected By:	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0213362-001 182014-A01		Fabric, White/ Green	Yes	Chrysotile 85%	Gypsum Carbonates Binder/Filler 15%
0213362-002 182014-A02		*Not analyzed per client request			
0213362-003 182014-A03		*Not analyzed per client request			
0213362-004 182014-A04		Material on Pipes, Red	No	None Detected	Carbonates Quartz Binder/Filler 100%
0213362-005 182014-A05		Material on Pipes, Red	No	None Detected	Carbonates Quartz Binder/Filler 100%
0213362-006 182014-A06		Material on Pipes, Red	No	None Detected	Carbonates Quartz Binder/Filler 100%



# EMC LABS, INC.

9830 S. 51st Street, Suite B109, Phoenix, AZ 85044  
Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

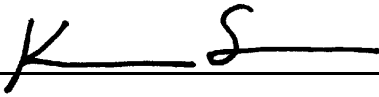
Laboratory Report  
**0213362**

## Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	ENVIROSERVICES & TRAINING CENTER	Job# / P.O. #:	18-2014
Address:	505 WARD AVE, STE 202	Date Received:	01/02/2019
	HONOLULU HI 96814	Date Analyzed:	01/07/2019
Collected:	12/19/2018	Date Reported:	01/07/2019
Project Name:	KUKUIOLONO UST AND TANK REMOVAL	EPA Method:	EPA 600/R-93/116
Address:		Submitted By:	JAMES PONDS II
		Collected By:	

Lab ID	Sample	Layer Name /	Asbestos	Asbestos Type	Non-Asbestos
Client ID	Location	Sample Description	Detected	(%)	Constituents



Analyst - Kenneth Scheske



Signatory - Lab Director - Kurt Kettler

Distinctly stratified, easily separable layers of samples are analyzed as subsamples of the whole and are reported separately for each discernible layer. All analyses are derived from calibrated visual estimate and measured in area percent unless otherwise noted. The report applies to the standards or procedures identified and to the sample(s) tested. The test results are not necessarily indicated or representative of the qualities of the lot from which the sample was taken or of apparently identical or similar products, nor do they represent an ongoing quality assurance program unless so noted. These reports are for the exclusive use of the addressed client and that they will not be reproduced wholly or in part for advertising or other purposes over our signature or in connection with our name without special written permission. The report shall not be reproduced except in full, without written approval by our laboratory. The samples not destroyed in testing are retained a maximum of thirty days. The laboratory measurement of uncertainty for the test method is approximately less than 1 by area percent. Accredited by the National Institute of Standards and Technology, Voluntary Laboratory Accreditation Program for selected test method for asbestos. The accreditation or any reports generated by this laboratory in no way constitutes or implies product certification, approval, or endorsement by the National Institute of Standards and Technology. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. Polarized Light Microscopy may not be consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials.

# CHAIN OF CUSTODY

EMC Labs, Inc.  
 9830 S. 51<sup>st</sup> St., Ste B-109  
 Phoenix, AZ 85044  
 (800) 362-3373 Fax (480) 893-1726

LAB#: 213362  
 TAT: 3 day  
 Rec'd: JAN 02 P.M.

COMPANY NAME: ENVIROSERVICES & TRAINING CENTER, LLC  
505 Ward Ave. Suite #202  
Honolulu, HI 96814  
 CONTACT: Vel Roberts  
 Phone/Fax: (808) 839-7222 ext 232/(808) 839-4455  
 Email: vel@gotoetc.com

BILL TO: (If Different Location)  
Trina Oshiro

Now Accepting: **VISA - MASTERCARD** Price Quoted: \$ \_\_\_\_\_ / Sample \$ \_\_\_\_\_ / Layers

**COMPLETE ITEMS 1-4:** (Failure to complete any items may cause a delay in processing or analyzing your samples)

- TURNAROUND TIME:** [Same Day RUSH] [1-Day] [2-Day]  [3-4-5 Day] [6-10 Day]  
 \*\*\*\*Prior confirmation of turnaround time is required  
 \*\*\*\*Additional charges for rush analysis (please call marketing department for pricing details)  
 \*\*\*\*Laboratory analysis may be subject to delay if credit terms are not met
- TYPE OF ANALYSIS:**  [Bulk-PLM]  [Air-PCM]  [Lead]  [Point Count] [Fungi: AOC, W-C, Bulk, Swab, Tape]
- DISPOSAL INSTRUCTIONS:**  [Dispose of samples at EMC] / [Return samples to me at my expense]  
 (If you do not indicate preference, EMC will dispose of samples 60 days from analysis.)

4. Project Name: Kukuilono UST and Tank Removal Project Number: 18-2014

EMC SAMPLE #	CLIENT SAMPLE #	DATE & TIME SAMPLED	LOCATION/MATERIAL TYPE	Samples Accepted Yes / No
<u>1, 2, 3</u>	<u>182014-A01-03</u>	<u>12/19/2018</u>	<u>White Fabric</u>	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
<u>4, 5, 6</u>	<u>182014-A04-06</u>	<u>12/19/2018</u>	<u>Red Material on Pipes</u>	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
				Y N
				Y N
				Y N
				Y N
				Y N
				Y N
				Y N
				Y N
				Y N
				Y N

SPECIAL INSTRUCTIONS: Please Stop at 1<sup>st</sup> Positive  
 Sample Collector: (Print) James Ponds (Signature) [Signature] for J. Ponds  
 Relinquished by C. Freitas Date/Time 12/28/18 Received by: [Signature] Date/Time: 1/2/19  
 Relinquished by: [Signature] Date/Time: 1/2/19 Received by: [Signature] Date/Time: 1/2/19  
 Relinquished by: \_\_\_\_\_ Date/Time \_\_\_\_\_ Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_

\*\* In the event of any dispute between the above parties for these services or otherwise, parties agree that jurisdiction and venue will be in Phoenix, Arizona and prevailing party will be entitled to attorney's fees and court costs.  
 Rev. 09/27/08



9830 South 51<sup>st</sup> Street, Suite B-109 / PHOENIX, ARIZONA 85044 / 480-940-5294 or 800-362-3373 / FAX 480-893-1726  
emclab@emclabs.com

**LEAD (Pb) IN PAINT CHIP SAMPLES**  
EMC SOP METHOD #L01/1 EPA SW-846 METHOD 7420

<b>EMC LAB #:</b> L72961		<b>DATE RECEIVED:</b> 01/02/19			
<b>CLIENT:</b> Enviroservices & Training Center, LLC		<b>REPORT DATE:</b> 01/07/19			
		<b>DATE OF ANALYSIS:</b> 01/07/19			
<b>CLIENT ADDRESS:</b> 505 Ward Ave. Suite #202 Honolulu, HI 96814		<b>P.O. NO.:</b>			
<b>PROJECT NAME:</b> Kukuioolono UST and Tank Removal		<b>PROJECT NO.:</b> 18-2014			
EMC # L72961-	SAMPLE DATE /18	CLIENT SAMPLE #	DESCRIPTION	REPORTING LIMIT (%Pb by weight)	%Pb BY WEIGHT
1	12/19	182014-L01	Green on CMU/Concrete Wall and Metal Pipes	0.10	1.72 <sup>^</sup>
2	12/19	182014-L02	Silver on Concrete Wall and Metal Pipes	0.010	0.315

<sup>^</sup> = Dilution Factor Changed    \* = Excessive Substrate May Bias Sample Results    **BRL** = Below Reportable Limits    # = Very Small Amount Of Sample Submitted, May Affect Result

This report applies to the standards or procedures identified and to the samples tested only. The test results are not necessarily indicative or representative of the qualities of the lot from which the sample was taken or of apparently identical or similar products, nor do they represent an ongoing quality assurance program unless so noted. Unless otherwise noted, all quality control analyses for the samples noted above were within acceptable limits.

Where it is noted that a sample with excessive substrate was submitted for laboratory analysis, such analysis may be biased. The lead content of such sample may, in actuality, be greater than reported. EMC makes no warranty, express or implied, as to the accuracy of the analysis of samples noted to have been submitted with excessive substrate. Resampling is recommended in such situations to verify original laboratory results.

These reports are for the exclusive use of the addressed client and are rendered upon the condition that they will not be reproduced wholly or in part for advertising or other purposes over our signature or in connection with our name without special written permission. Samples not destroyed in testing are retained a maximum of sixty (60) days.

**ANALYST:** \_\_\_\_\_

Jason Thompson

**QA COORDINATOR:** \_\_\_\_\_

Kurt Kettler

**CHAIN OF CUSTODY**  
 EMC Labs, Inc.  
 9830 S. 51<sup>st</sup> St., Ste B-109  
 Phoenix, AZ 85044  
 (800) 362-3373 Fax (480) 893-1726

LAB#: L72961  
 TAT: 3-Days  
 Rec'd: 1/2/19

COMPANY NAME: ENVIROSERVICES & TRAINING CENTER, LLC  
505 Ward Ave. Suite #202  
Honolulu, HI 96814  
 CONTACT: Vel Roberts  
 Phone/Fax: (808) 839-7222 ext 232/(808) 839-4455  
 Email: vel@gotoetc.com

BILL TO: (If Different Location)  
Trina Oshiro

Now Accepting: **VISA - MASTERCARD** Price Quoted: \$ \_\_\_\_\_ / Sample \$ \_\_\_\_\_ / Layers

**COMPLETE ITEMS 1-4: (Failure to complete any items may cause a delay in processing or analyzing your samples)**

1. **TURNAROUND TIME:** [Same Day RUSH] [1-Day] [2-Day] (3)4-5 Day [6-10 Day]

\*\*\*\*Prior confirmation of turnaround time is required

\*\*\*\*Additional charges for rush analysis (please call marketing department for pricing details)

\*\*\*\*Laboratory analysis may be subject to delay if credit terms are not met

2. **TYPE OF ANALYSIS:** [Bulk-PLM] [Air-PCM] (Lead) [Point Count] [Fungi: AOC, W-C, Bulk, Swab, Tape]

3. **DISPOSAL INSTRUCTIONS:** (Dispose of samples at EMC) [Return samples to me at my expense]  
 (If you do not indicate preference, EMC will dispose of samples 60 days from analysis.)

4. **Project Name:** Kukuilono UST and Tank Removal **Project Number:** 18-2014

EMC SAMPLE #	CLIENT SAMPLE #	DATE & TIME SAMPLED	LOCATION/MATERIAL TYPE	Samples Accepted Yes / No
<u>1</u>	<u>182014-L01</u>	<u>12/19/2018</u>	<u>Green on CMU/Concrete Wall and Metal Pipes</u>	<u>Y</u> N
<u>2</u>	<u>182014-L02</u>	<u>12/19/2018</u>	<u>Silver on Concrete Wall and Metal Pipes</u>	<u>Y</u> N
				Y N
				Y N
				Y N
				Y N
				Y N
				Y N
				Y N
				Y N
				Y N
				Y N

SPECIAL INSTRUCTIONS: \_\_\_\_\_  
 Sample Collector: (Print) James Ponds (Signature) [Signature] for J. Ponds  
 Relinquished by C. Freitas Date/Time 12/28/18 Received by [Signature] Date/Time: 1/2/19  
 Relinquished by [Signature] Date/Time: 1/2/19 Received by [Signature] Date/Time: 1/2/19  
 Relinquished by: \_\_\_\_\_ Date/Time \_\_\_\_\_ Received by: \_\_\_\_\_ Date/Time: \_\_\_\_\_

\*\* In the event of any dispute between the above parties for these services or otherwise, parties agree that jurisdiction and venue will be in Phoenix, Arizona and prevailing party will be entitled to attorney's fees and court costs.



February 3, 2020

Department of Water  
 County of Kauai  
 4398 Pua Loke Street  
 Lihue, Hawaii 96766

Attention: Mr. Eric Fujikawa

Subject: **ADDENDUM TO LIMITED HAZARDOUS MATERIALS SURVEY  
 KUKUIOLONO UST AND TANK REMOVAL PROJECT  
 KALAHEO, KAUAI, HAWAII**

EnviroServices & Training Center, LLC (ETC) conducted an additional survey at the Kukuiolono Tank in Kalaheo, Kauai, Hawaii (Subject Site). The purpose of ETC's re-mobilization to the Subject Site was to confirm the presence and establish an estimated quantity of the asbestos-containing material (ACM) that was identified in the Limited Hazardous Materials Survey, initially conducted on December 7, 2018, by ETC personnel.

The material was confirmed to be gaskets at the elbow joints of two pipes on the west side of the tank. Below is a revised table of ACM identified at the Subject Site. A map of the Subject Site and photo documentation are attached.

***Asbestos Containing Material (ACM)***

Sample ID	Homogeneous Area	Material	Condition	Category	Friability	Analysis Layer	Asbestos Content	Estimated Quantity
182014-A01*	Tank	White Fabric	Good	Misc.	Non-Friable I	All	Chrysotile 85%	Unknown
182014-A02*						Not Analyzed		
182014-A03*						Not Analyzed		
182014-A10#	Tank Pipe	White/Green Gasket	Damaged	Misc.	Non-Friable 1	All	Chrysotile 45%	4 ft <sup>2</sup>
182014-A11#						Not Analyzed		
182014-A12#						Not Analyzed		

\*Laboratory results from December 7, 2018 sampling can be found in original report

#Confirmation laboratory results from January 23, 2020 sampling – attached

Please contact me at 839-7222 with any questions.

Respectfully,  
**ENVIROSERVICES & TRAINING CENTER, LLC**

Sara Marvin  
 Industrial Hygienist

## Kukuiolono Tank Site Location Map



Location of  
pipes with gaskets

**Photograph 01: Site View & Location of White Fabric**

## Kukuilono Tank - Asbestos



**Photographs 02-04: Pipe Gasket;**  
*Sample ID 182014-A01, 02, A03*

# EMC LABS, INC.

9830 S. 51st Street, Suite B109, Phoenix, AZ 85044  
Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

Laboratory Report  
**0232755**

## Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client: ENVIROSERVICES & TRAINING CENTER Job# / P.O. #: 18-2014  
Address: 505 WARD AVE, STE 202 Date Received: 01/29/2020  
HONOLULU HI 96814 Date Analyzed: 01/30/2020  
Collected: 01/24/2020 Date Reported: 01/30/2020  
Project Name: KUKUIOLONO TANK EPA Method: EPA 600/R-93/116  
Address: Submitted By: SARA MARVIN  
Collected By:

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents	
0232755-001 182014-A07		Mastic, White	No	None Detected	Carbonates Quartz Binder/Filler	100%
0232755-002 182014-A08		Mastic, White	No	None Detected	Cellulose Fiber Carbonates Quartz Binder/Filler	1% 99%
0232755-003 182014-A09		Mastic, White	No	None Detected	Cellulose Fiber Carbonates Quartz Binder/Filler	<1% 99%
0232755-004 182014-A10		Gasket, White/ Green	Yes	Chrysotile 45%	Quartz Binder/Filler	55%
0232755-005 182014-A11		Gasket, Note: *Not analyzed per client request				
0232755-006 182014-A12		Gasket, Note: *Not analyzed per client request				
0232755-007 182014-A13		Concrete, Off White	No	None Detected	Hair Carbonates Gypsum Quartz Binder/Filler	<1% 99%



# EMC LABS, INC.

9830 S. 51st Street, Suite B109, Phoenix, AZ 85044  
Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

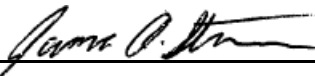
Laboratory Report  
**0232755**

## Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client:	ENVIROSERVICES & TRAINING CENTER	Job# / P.O. #:	18-2014
Address:	505 WARD AVE, STE 202	Date Received:	01/29/2020
	HONOLULU HI 96814	Date Analyzed:	01/30/2020
Collected:	01/24/2020	Date Reported:	01/30/2020
Project Name:	KUKUIOLONO TANK	EPA Method:	EPA 600/R-93/116
Address:		Submitted By:	SARA MARVIN
		Collected By:	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0232755-008 182014-A14		Concrete, Off White	No	None Detected	Carbonates Quartz Binder/Filler 100%
0232755-009 182014-A15		Concrete, Off White	No	None Detected	Carbonates Gypsum Perlite Quartz Binder/Filler 100%



Analyst - James A. Storm



Signatory - Lab Director - Kurt Kettler

Distinctly stratified, easily separable layers of samples are analyzed as subsamples of the whole and are reported separately for each discernible layer. All analyses are derived from calibrated visual estimate and measured in area percent unless otherwise noted. The report applies to the standards or procedures identified and to the sample(s) tested. The test results are not necessarily indicative or representative of the qualities of the lot from which the sample was taken or of apparently identical or similar products, nor do they represent an ongoing quality assurance program unless so noted. These reports are for the exclusive use of the addressed client and that they will not be reproduced wholly or in part for advertising or other purposes over our signature or in connection with our name without special written permission. The report shall not be reproduced except in full, without written approval by our laboratory. The samples not destroyed in testing are retained a maximum of thirty days. The laboratory measurement of uncertainty for the test method is approximately less than 1 by area percent. Accredited by the National Institute of Standards and Technology, Voluntary Laboratory Accreditation Program for selected test method for asbestos. The accreditation or any reports generated by this laboratory in no way constitutes or implies product certification, approval, or endorsement by the National Institute of Standards and Technology. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. Polarized Light Microscopy may not be consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials.

**CHAIN OF CUSTODY**  
 EMC Labs, Inc.  
 9830 S. 51<sup>st</sup> St., Ste B-109  
 Phoenix, AZ 85044  
 (800) 362-3373 Fax (480) 893-1726

232755  
**LAB#:** 232755  
**TAT:** 3 day  
**Rec'd:** 1/29/20

**COMPANY NAME:** ENVIROSERVICES & TRAINING CENTER, LLC  
505 Ward Ave. Suite #202  
Honolulu, HI 96814

**CONTACT:** Antone Gabriel, Sara Marvin,  
**Phone/Fax:** (808) 839-7222 ext 232/(808) 839-4455  
**Email:** agabriel@gotoetc.com, jdolan@gotoetc.com,  
isahib@gotoetc.com, smarvin@gotoetc.com,

**BILL TO:** (If Different Location)  
Trina Oshiro  
505 Ward Ave Suite 202  
Honolulu, Hawaii 96814

**Now Accepting:** **VISA - MASTERCARD** Price Quoted: \$ \_\_\_\_\_ / Sample \$ \_\_\_\_\_ / Layers

**COMPLETE ITEMS 1-4: (Failure to complete any items may cause a delay in processing or analyzing your samples)**

**1. TURNAROUND TIME:** [Same Day RUSH] [1-Day] [2-Day] (3-4-5 Day) [6-10 Day]

\*\*\*\*Prior confirmation of turnaround time is required

\*\*\*\*Additional charges for rush analysis (please call marketing department for pricing details)

\*\*\*\*Laboratory analysis may be subject to delay if credit terms are not met

**2. TYPE OF ANALYSIS:** [Bulk-PLM] [Air-PCM] [Lead] [Point Count] [Fungi: AOC, W-C, Bulk, Swab, Tape]

**3. DISPOSAL INSTRUCTIONS:** [Dispose of samples at EMC] / [Return samples to me at my expense]

*(If you do not indicate preference, EMC will dispose of samples 60 days from analysis.)*

4. Project Name: <b>Kukuiofono Tank</b>				Project Number: <b>18-2014</b>
EMC SAMPLE #	CLIENT SAMPLE #	DATE & TIME SAMPLED	LOCATION/MATERIAL TYPE	Samples Accepted Yes / No
1	182014-A07	1/24/2020	White mastic	<u>Y</u> N
2	182014-A08	1/24/2020	White mastic	Y N
3	182014-A09	1/24/2020	White mastic	Y N
4	182014-A10	1/24/2020	White gasket	Y N
5	182014-A11	1/24/2020	White gasket	Y N
6	182014-A12	1/24/2020	White gasket	Y N
7	182014-A13	1/24/2020	Concrete	Y N
8	182014-A14	1/24/2020	Concrete	Y N
9	182014-A15	1/24/2020	Concrete	<u>Y</u> N
				Y N
				Y N
				Y N
				Y N

**SPECIAL INSTRUCTIONS:** Please stop at First Positive per material

Sample Collector: (Print) Sara Marvin (Signature) [Signature] 940

Relinquished by: SEM Date/Time: 1/24/2020 Received by: Diana Federico Date/Time: 1/29/20

Relinquished by: Diana Federico Date/Time: 1/29/20 2:10 pm Received by: [Signature] Date/Time: 1/30/20

Relinquished by: \_\_\_\_\_ Date/Time \_\_\_\_\_ Received by: \_\_\_\_\_ Date/Time \_\_\_\_\_

\*\* In the event of any dispute between the above parties for these services or otherwise, parties agree that jurisdiction and venue will be in Phoenix, Arizona and prevailing party will be entitled to attorney's fees and court costs.

**APPENDIX K: Certification of Compliance with HRS 396-18, Safety and Health Programs for Contractor Bidding On Board Construction Jobs**

PROJECT NAME: \_\_\_\_\_

SOLICITATION NO.: \_\_\_\_\_

This is to certify that the undersigned will comply with the requirements of HRS 396-18, as follows:

(A) Pursuant to HRS 396-18, all bids and proposals in excess of \$100,000 shall include a signed certification from the bidder that a written safety and health plan for the job will be available and implemented by the notice to proceed dates of the project. The written safety and health plan shall include:

- (1) A safety and health policy statement reflecting management commitment;
- (2) A description of the safety and health responsibilities of all levels of management and supervisors on the job, and a statement of accountability appropriate to each;
- (3) The details of:
  - (a) The mechanism for employee involvement in job hazard analysis;
  - (b) Hazard identification, including periodic inspections and hazard correction and control;
  - (c) Accident and “near-miss” investigations; and
  - (d) Evaluations of employee training programs.
- (4) A plan to encourage employees to report hazards to management as soon as possible and to require management to address these hazards promptly; and
- (5) A certification by a senior corporate or company manager that the plan is true and correct.

(B) Failure to submit the required certification may be grounds for disqualification of the bid.

(C) Failure to have available on site or failure to implement the written safety and health plan by the project’s Notice to Proceed Dates shall be considered willful noncompliance and be sufficient grounds to disqualify the award and terminate the contract.

Name of Contractor: \_\_\_\_\_

Signature and Title: \_\_\_\_\_

Date: \_\_\_\_\_



NOTICE OF INTENT

\_\_\_\_\_  
DATE

Chief Procurement Officer  
Department of Water  
County of Kaua'i  
4398 Pua Loke Street  
Līhu'e, HI 96766

Dear Sir:

In accordance with the Provisions of Section 103D-310, Hawai'i Revised Statutes, you are hereby notified that it is the intent of the undersigned to offer on **JOB NO. 18-07 KUKUIOLONO 0.2 MG TANK DEMOLITION, KAUA'I, HAWAI'I**, for which Offers will be due on **Thursday, September 3, 2020** as required.

I am informed that this Notice of Intent must be received by the Manager no later than 4:30 p.m. Hawai'i Standard Time on **Monday, August 24, 2020.**

VERY TRULY YOURS,

\_\_\_\_\_  
SIGNATURE

\_\_\_\_\_  
PRINT OR TYPE NAME & TITLE OF SIGNER

\_\_\_\_\_  
NAME OF FIRM

\_\_\_\_\_  
CONTRACTORS LICENSE NO.

Hawai'i State Specialty License  
Type and Classification:

\_\_\_\_\_  
ADDRESS

Hawai'i State Business  
License No.:

\_\_\_\_\_  
CITY, STATE & ZIP CODE

\_\_\_\_\_  
TELEPHONE NO.



All prospective offerors must be currently licensed by the Hawai'i Department of Commerce and Consumer Affairs, Division of Professional and Vocational Licensing.

"A" general engineering contractors and "B" general building contractors are reminded that due to the Hawai'i Supreme Court's January 28, 2002 decision in Okada Trucking Co., Ltd. v. Board of Water Supply, et al., 97 Haw. 450(2002), they are prohibited from undertaking any work, solely or as part of a larger project, which would require the general contractor to act as a specialty contractor in any area where the general contractor has no license. Although the "A" and "B" contractor may still submit a Offer on and act as the "prime" contractor on an "A" or "B" project (See, HRS §444-7 for the definitions of an "A" or "B" project.), respectively, and the "A" and "B" contractor obtains "C" specialty contractor's licenses either on its own, or automatically under HAR §16-77-32.). The remaining work must be performed by appropriately licensed entities. It is the sole responsibility of the contractor to review the requirements of this project and determine the appropriate licenses that are required to complete the project.

Contractor \_\_\_\_\_

OFFER

For

DEPARTMENT OF WATER, COUNTY OF KAUA'I,  
LĪHU'E, KAUA'I, HAWAI'I

\_\_\_\_\_ 20\_\_\_\_

Chief Procurement Officer  
Department of Water  
County of Kaua'i  
4398 Pua Loke Street  
Lihu'e, Hawai'i 96766

Dear Sir:

Pursuant to and in compliance with your Invitation For Bids and other Contract Documents relating thereto, the undersigned Offeror, having familiarized itself with the terms of the contract, the local conditions affecting the performance of the contract and the cost of the work at the place where the work is done, the plans and specifications, "General Provisions for Construction Contracts of the Department of Water", "Water System Standards, 2002", Invitation For Bids, and other Contract Documents, hereby proposes and agrees to perform, within the time stipulated in the said documents, including all its component parts and everything required to be performed, and to provide and furnish any and all of the labor, materials, tools, expendable equipment, and all utility and transportation services necessary to perform the contract, in a workmanlike manner, in place complete all of the work covered by the contract in connection with these specifications and accompanying construction plans titled:

**| JOB NO. 18-07 KUKUIOLONO 0.2 MG TANK DEMOLITION , KAUA'I, HAWAI'I |**

on file in the office of the Department of Water for,

TOTAL SUM OFFER \_\_\_\_\_ DOLLARS  
(words)

(\$ \_\_\_\_\_) said total sums being itemized on the following pages:



## OFFER SCHEDULE

JOB NO. 18-07, KUKUIOLONO 0.2 MG TANK DEMOLITION, KAUA'I, HAWAII

ITEM NO.	ESTIMATED QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL
1	1	<b>Lump Sum.</b> Mobilization & demobilization (not to exceed 6% of the sum of all items excluding proposal price of this item).		\$
2	1	<b>Lump Sum.</b> Clearing, grubbing, and disposal of all vegetation within project limits, including trees.		\$
3	1	<b>Lump Sum.</b> Unclassified site excavation and embankment to the finish grade, in place complete.		\$
4	4	<b>Square Feet.</b> Abate, transport, and dispose of hazardous materials.	\$	\$
5	1	<b>Each.</b> 55-Gallon Drum. Transport and dispose of RCRA-hazardous waste lead paint debris.	\$	\$
6	1	<b>Lump Sum.</b> Remove and dispose of existing 8-inch cast iron pipe, water valve boxes and valves.		\$
7	1	<b>Lump Sum.</b> Remove and dispose of existing 6-inch cast iron pipe, water valve boxes and valves.		\$
8	1	<b>Lump Sum.</b> Remove and dispose of existing water tank (200,000 Gal.), including 12-inch reinforced concrete floor slab, concrete walls & extensions, and miscellaneous slabs.		\$
9	1	<b>Lump Sum.</b> Remove and dispose of existing platform, A.C. unit, and building shed.		\$
10	1	<b>Lump Sum.</b> Cut and plug existing 6-inch cast iron pipe.		\$
11	300	<b>Cubic Yards.</b> Excavate, transport, and dispose of lead contaminated soil to in-state landfill.	\$	\$
12	1	<b>Lump Sum.</b> Install temporary gate and erosion control measures, inclusive of silt fence, dust screen, and stabilized construction		\$

ITEM NO.	ESTIMATED QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL
		entrance, maintenance of erosion control BMP's, and other appurtenant work, all in accordance with the plans and specifications, in place complete.		
13	2,482	<b>Square Feet.</b> El Toro Zoysia grass, planted, fertilized, and maintained in accordance with the specifications.	\$	\$
		<b>TOTAL SUM OFFER (Items 1 to 13 inclusive)</b>		\$



SCHEDULE B  
HAWAI'I PRODUCTS PREFERENCE

In accordance with HRS §103D-1002, the Hawai'i products preference is applicable to this solicitation. Hawai'i Products ("HP") are available for those items noted on Schedule B, below. The Hawai'i products list is available on the SPO webpage at [www.spo.hawaii.gov/for-state-county-personnel/manual/procurement/solicitation/goods-services-construction/preferences/hawaii-product-preferences/](http://www.spo.hawaii.gov/for-state-county-personnel/manual/procurement/solicitation/goods-services-construction/preferences/hawaii-product-preferences/) or go to the SPO Home page, click on "For Vendors" tab; click on Preferences, Hawai'i Product Preferences to view. Offeror transmitting a Hawai'i Product (HP) shall identify the HP on Schedule B-1.

Any person desiring a Hawai'i product preference shall have the product(s) certified and qualified if not currently on the Hawai'i products list, prior to the deadline for receipt of offer(s) specified in the procurement notice and solicitation. The responsibility for certification and qualification shall rest upon the person requesting the preference. Persons desiring to qualify their product(s) not currently on the Hawai'i product list shall complete form SPO-038, Certification for Hawai'i Product Preference and submit, via email to the Procurement Officer issuing the solicitation, and provide the solicitation number and title in the subject line, and include all additional information required by the Procurement Officer. For each product, one form shall be completed and transmitted (i.e. 3 products should have 3 separate forms completed). Form SPO-038 is available on the SPO webpage at <http://hawaii.gov/spo> under the 'Quicklinks' menu; click on 'Forms for Vendors, Contractors, and Service Providers'.

When a solicitation contains both HP and non-HP, then for the purpose of selecting the lowest bid or purchase price only, the price offered for a HP item shall be decreased by subtracting 10% for the class I or 15% for the class II HP items offered, respectively. The lowest total offer, taking the preference into consideration, shall be awarded the contract unless the offer provides for additional award criteria. The contract amount of any contract awarded, however, shall be the amount of the price offered, exclusive of the preferences.

Change in Availability of Hawai'i product. In the event of any change that materially alters the Offeror's ability to supply Hawai'i products, the Offeror shall notify the Procurement Officer in writing no later than five (5) working days from when the Offeror knows of the change and the parties shall enter into discussions for the purposes of revising the contract or terminating the contract for convenience.

The following is a list of products that the Department anticipates will be used in this particular project; however the list is not all inclusive and additional products may be qualified.

HAWAI'I PRODUCTS LIST

HP Description	Manufacturer/Supplier	Class
----------------	-----------------------	-------

Bidders intending to use or supply a Hawai'i Product must list the price and total cost of each item f.o.b. jobsite, unloaded, including applicable general excise tax and use tax on this form. Failure to designate a Hawai'i product will mean that the Bidder is offering a non-Hawai'i product and award, if made to the bidder, will be on the basis that the bidder will deliver or use a non-Hawai'i product.

The Bidder shall list only the Manufacturers/Suppliers certified and qualified on Schedule B.

If the Department has awarded a contract under HRS, § 103D-1002, finds that in the performance of that contract there has been a failure to comply with HRS, § 103D-1002, the contract shall be voidable and the findings shall be referred for debarment or suspension proceedings under HRS 103D-702. Any purchase made or any contract awarded or executed in violation of this section shall be void and no payment shall be made by the Department on account of the purchase or contract.

SCHEDULE B-1  
SCHEDULE OF MATERIAL COST  
*(if Hawai'i preference requested)*

HAWAI'I PRODUCT	MANUFACTURER	CLASS	APPROX. QUANTITY	UNIT	TOTAL COST OF MATERIAL
Aggregates and Sand – Basalt, rock, cinder, limestone and coral					
Aggregates – Recycled asphalt and concrete					
Asphalt and paving materials					
Cement and concrete products					
Pre-cast concrete products					
Signs–traffic, regulatory and construction					
Soil amendments, mulch, compost					

SCHEDULE C  
MANDATORY LICENSING REQUIREMENT

“A” general engineering contractors and “B” general building contractors are reminded that due to the Hawai‘i Supreme Court’s January 28, 2002 decision in Okada Trucking Co., Ltd. V. Board of Water Supply, et al., 97 Haw. 450 (2002), they are prohibited from undertaking any work, solely or as part of a larger project, that would require the general contractor to act as a specialty contractor in any area in which the general contractor has no license. Although the “A” and “B” contractor may still submit an offer on and act as the “prime” contractor on an “A” and “B” project (*See, HRS § 444-7 for the definitions of an “A” and “B” project.*), respectively, the “A” and “B” contractor may only perform work in the areas in which they have the appropriate “C” specialty contractor’s license (*An “A” or “B” contractor obtains “C” specialty contractor’s licenses either on its own, or automatically under HAR § 16-77-32.*). The remaining work must be subcontracted out to appropriately licensed “C” specialty contractors. It is the sole responsibility of the contractor to review the requirements of this project and determine the appropriate licenses that are required to complete the project.

LISTING OF SUBCONTRACTORS

Sec. 103D-302, H.R.S., provides that each offer for Public Works Construction Contracts shall include the name of each person or firm to be engaged by the Offeror as a joint contractor or subcontractor in the performance of the Public Works Construction Contract. The Offer shall also indicate the nature and scope of the work to be performed by such joint contractors or subcontractors. All offers which do not comply with this requirement shall be rejected pursuant to Sec. 103D-302(b) H.R.S.

To comply with the above provisions, the offeror shall complete the schedule of the nature and scope of work by listing, where applicable, the names of the joint contractors and subcontractors to be used after the description of the nature and scope of the work.

ALL JOINT CONTRACTORS OR SUBCONTRACTORS TO BE ENGAGED ON THIS PROJECT

The Offeror certifies that the following is a complete listing of all joint contractors and/or subcontractors who will be engaged by the Offeror on this Project to perform the nature and scope of work indicated **regardless of the percentage of the value of the work to be performed by the joint contractor or subcontractor**, pursuant to Section 103D-302, Hawai‘i Revised Statutes, and understands that failure to comply with this requirement shall be just cause for rejection of the Offer.

The Offeror further understands that only those joint contractors or subcontractors listed shall be allowed to perform work on this Project. If no joint contractor or subcontractor for any subdivision of work is listed, it shall be construed that the work shall be performed by the Offeror with Offeror’s employees.

All Offerors must be sure that they possess, and that the joint contractors or subcontractors listed in the Offer possess, all the necessary specialty licenses needed to perform the work for this Project. The Offeror shall be solely responsible for assuring that all specialty licenses required to perform the work is covered in the Offer.

The Offeror shall include the license number of the joint contractors or subcontractors listed below. Failure to provide the correct names and license numbers as registered with the Contractors Licensing Board may cause rejection of the offer submitted.

**It is the sole responsibility of the contractor to review the requirements of this Project and determine the appropriate licenses that are required to complete the Project.**

LISTING OF ALL JOINT CONTRACTORS OR SUBCONTRACTORS

	Contractor Classification	Name of Joint Contractor or Subcontractor	License Number
C-1	Acoustical and Insulation Contractor		
C-2	Mechanical Insulation Contractor		
C-3	Asphalt Paving and Surfacing Contractor		
C-3a	Asphalt Concrete Patching, Sealing, and Striping Contractor		
C-3b	Play Court Surfacing Contractor		
C-4	Boiler, Hot-Water Heating and Steam Fitting Contractor		
C-5	Cabinet, Millwork, and Carpentry Remodeling and Repairs Contractor		
C-5a	Garage Door and Window Shutters Contractor		
C-5b	Siding Application Contractor		
C-6	Carpentry Framing Contractor		
C-7	Carpet Laying Contractor		
C-9	Cesspool Contractor		
C-10	Scaffolding Contractor		
C-12	Drywall Contractor		
C-13	Electrical Contractor		
C-14	Sign Contractor		
C-15	Electronic Systems Contractor		
C-15a	Fire and Burglar Alarm Contractor		
C-15b	Telecommunications Contractor		
C-16	Elevator Contractor		
C-16a	Conveyor Systems Contractor		
C-17	Excavating, Grading, and Trenching Contractor		
C-19	Asbestos Contractor		
C-20	Fire Protection Contractor		
C-20a	Fire Repressant Systems Contractor		

	Contractor Classification	Name of Joint Contractor or Subcontractor	License Number
C-21	Flooring Contractor		
C-22	Glazing and Tinting Contractor		
C-22a	Glass Tinting Contractor		
C-23	Gunite Contractor		
C-24	Building Moving and Wrecking Contractor		
C-25	Institutional and Commercial Equipment Contractor		
C-27	Landscaping Contractor		
C-27a	Hydro Mulching Contractor		
C-27b	Tree Trimming and Removal Contractor		
C-31	Masonry Contractor		
C-31a	Cement Concrete Contractor		
C-31b	Stone Masonry Contractor		
C-31c	Refractory Contractor		
C-31d	Tuckpointing and Caulking Contractor		
C-31e	Concrete Cutting, Drilling, Sawing, Coring, and Pressure Grouting Contractor		
C-32	Ornamental, Guardrail, and Fencing Contractor		
C-32a	Wood and Vinyl Fencing Contractor		
C-33	Painting and Decorating Contractor		
C-33a	Wall Coverings Contractor		
C-33b	Taping Contractor		
C-33c	Surface Treatment Contractor		
C-34	Soil Stabilization Contractor		
C-35	Pile Driving, Pile and Caisson Drilling, and Foundation Contractor		
C-36	Plastering Contractor		
C-36a	Lathing Contractor		
C-37	Plumbing Contractor		

	Contractor Classification	Name of Joint Contractor or Subcontractor	License Number
C-37a	Sewer and Drain Line Contractor		
C-37b	Irrigation and Lawn Sprinkler Systems Contractor		
C-37c	Vacuum and Air Systems Contractor		
C-37d	Water Chlorination and Sanitation Contractor		
C-37e	Treatment and Pumping Facilities Contractor		
C-37f	Fuel Dispensing Contractor		
C-38	Post Tensioning Contractor		
C-40	Refrigeration Contractor		
C-40a	Prefabricated Refrigerator Panels Contractor		
C-41	Reinforcing Steel Contractor		
C-42	Roofing Contractor		
C-42a	Aluminum and Other Metal Shingles Contractor		
C-42b	Wood Shingles and Wood Shakes Contractor		
C-42c	Concrete and Clay Tile Contractor		
C-42e	Urethane Foam Contractor		
C-42g	Roof coatings Contractor		
C-43	Sewer, Sewage Disposal, Drain, and Pipe Laying Contractor		
C-43a	Reconditioning and Repairing Pipeline Contractor		
C-44	Sheet Metal Contractor		
C-44a	Gutters Contractor		
C-44b	Awnings and Patio Cover Contractor		
C-48	Structural Steel Contractor		
C-48a	Steel Door Contractor		
C-49b	Hot Tub and Pool Contractor		
C-51	Tile Contractor		

	Contractor Classification	Name of Joint Contractor or Subcontractor	License Number
C-51a	Cultured Marble Contractor		
C-51b	Terrazzo Contractor		
C-52	Ventilating and Air Conditioning Contractor		
C-55	Waterproofing Contractor		
C-56	Welding Contractor		
C-57	Well Contractor		
C-57a	Pumps Installation Contractor		
C-57b	Injection Well Contractor		
C-60	Solar Power Systems Contractor		
C-61	Solar Energy Systems Contractor		
C-61a	Solar Hot Water Systems Contractor		
C-61b	Solar Heating and Cooling Systems Contractor		
C-62	Pole and Line Contractor		
C-62a	Pole Contractor		
C-63	High Voltage Electrical Contractor		
C-68	Classified Specialist		
	Licensed Surveyor		
	Licensed Geotechnical Engineer		
	Licensed Structural Engineer		
	Archaeologist		
	Cultural Monitor		
	Licensed Civil Engineer		
	Supervising Control and Data Acquisition (SCADA) Contractor		
*			
*			
*			
*			
*			



	Contractor Classification	Name of Joint Contractor or Subcontractor	License Number
*			

\* Contractor to add licenses as required to complete the scope of work. Attach additional sheet as needed. It is understood and agreed that the Department reserves the right to reject any and/or all offers and waive any defects when, in the Department's opinion, such rejection or waiver shall be for the best interest of the Department.

For purpose of evaluating the criterion described in this solicitation, it is understood and agreed that offers will be compared on the basis of the Total Sum Offer which shall be considered to be the total sum of actual or corrected amounts proposed on each item. The offerors signed Offer shall constitute the Offeror's official offer. The Department reserves the right to designate the contract amount based on selected Offeror's Total Sum Offer depending on the funds available for this Project.

It is also understood and agreed that the work called for under this Project must and shall be completed within **270** consecutive calendar days after written notice has been given to the successful Offeror to commence work. It is also understood and agreed that the quantities given herewith are approximate only and are subject to increase or decrease and that the undersigned will perform all quantities of work, as either increase or decrease, in accordance with the provisions of the specifications.

It is also understood and agreed that the estimated quantities shown for items for which a UNIT PRICE is listed in the Offer are only for the purpose of comparing on a uniform basis offers offered for the work under this contract, and the undersigned agrees that the undersigned is satisfied with and will not dispute said estimated quantities as a means of comparing the offers. It is understood and agreed that the Offeror will make no claims for anticipated profit or loss of profit because of a difference between quantities of the various classes of work done or the materials and equipment actually installed and the said estimated quantities. On UNIT PRICE offers, payment will be made only for the actual number of units incorporated into the finished project at the contract UNIT PRICE.

It is also understood and agreed that if the product of the UNIT PRICE offer and the number of units does not equal the total amount stated by the Offeror in the offer for any item, it will be assumed that the error was made in computing the total amount. For purpose of evaluating the criterion described in this solicitation, the stated UNIT PRICE alone will be considered as representing the Offeror's intention and the total amount offered on such item shall be considered to be the amount arrived at by multiplying the UNIT PRICE by the number of units.

It is also understood and agreed that the liquidated damages in the amount of **One Thousand Dollars (\$1,000.00)** for each and every calendar day in excess thereof prior to completion of the contract beyond the specified and approved completion date, shall be withheld from payments due to the Contractor, pursuant to the Damages for Delay provision contained in this solicitation.

It is also understood and agreed that if this offer is accepted, the successful offeror will contract with the Board and said offeror shall furnish the required bonds to the Board within ten (10) days from the date of receiving from the Board the contract prepared and ready for execution.

It is further understood and agreed that the successful offeror will provide all necessary materials, labor, tools, equipment, and other incidental necessary to do all the work and furnish all the materials specified in the contract in the manner and time herein prescribed and according to the requirements of the Department as therein set forth.



The undersigned further understands and agrees that by submitting this Offer, 1) the Offeror is declaring that the Offer is not in violation of Chapter 84, Hawai'i Revised Statutes, and 2) Offeror is certifying that the price(s) submitted was (were) independently arrived at without collusion.

It is also understood and agreed that if this Offer is accepted and the undersigned shall fail to or neglect to contract as aforesaid, the Board may determine that the offeror has abandoned the contract and thereupon forfeiture of the security accompanying the Offer shall operate and the same shall become the property of the Board.

Enclosed herewith is a Bidder's Bond (Bid Security)	( )	for the sum
Surety Bond	( )	
Legal Tender	( )	
Certificate of Deposit	( )	
Share Certificate	( )	
Cashier's Check	( )	
Treasurer's Check	( )	
Teller's Check	( )	
Certified Check	( )	

of \_\_\_\_\_ DOLLARS  
(\$ \_\_\_\_\_) payable to the Department of Water, being not less than the sum required under Sub-Section 2.9 "Bid Security" of the "General Provisions for Construction Contracts of the Department of Water", dated April 25, 2016.

Evidence of the undersigned Offeror having the authority to submit this Offer and to enter a contract is herewith furnished.

Respectfully submitted,

\_\_\_\_\_  
Name of Offeror

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Print/Type Name & Title of above

\_\_\_\_\_  
Address, Zip Code

\_\_\_\_\_  
Telephone

\_\_\_\_\_  
Contractor's License No.

\_\_\_\_\_  
State of Hawai'i General Excise Tax License No.

\_\_\_\_\_  
Federal Employer Identification No.

Type of Organization: (Please designate)

- Sole Proprietorship     Partnership  
 Corporation             Joint Venture  
 Other (*please specify*) \_\_\_\_\_

State of Incorporation:     Hawai'i             Other (*please specify*) \_\_\_\_\_

Name of Performance Bond Surety Co. \_\_\_\_\_

Address \_\_\_\_\_

Authorized to do Business in the State of Hawai'i?  Yes or  No

If corporation, state who will sign contract and signatory's title:

Name

Title

---

Name

---

Title

---

**If the Offeror is a CORPORATION**, the legal name of the corporation shall be set forth on the Offer, together with the signature(s) of the Officer(s) authorized to sign on behalf of the corporation and the corporate seal affixed thereto. Evidence of the authority of the Officer(s) to sign on behalf of the Corporation SHALL be attached to this page and included in the Offer. Acceptable evidence of authority to sign includes, but is not limited to, a copy of the articles of incorporation, corporate resolution, or corporate by-laws. (See HRS Ch. 415, Hawai'i Business Corporation Act).

**If the Offeror is a LIMITED LIABILITY COMPANY**, the legal name of the company shall be set forth on the Offer, together with the signature(s) of the member of the limited liability company or manager of the manger-managed limited liability company authorized to sign on behalf of the entity. Evidence of the authority of the Officer(s) authorized to sign on behalf of the company SHALL be attached to this page and included in the Offer.

**If the Offeror is a PARTNERSHIP**, the legal name of the firm shall be set forth on the Offer, together with the signature(s) of the General Partner(s) authorized to sign on behalf of the partnership. Evidence of the authority of the General Partner(s) authorized to sign on behalf of the partnership SHALL be attached to this page and included with the Offer. Acceptable evidence of authority to sign for the partnership includes, but is not limited to, a copy of the partnership registration statement or authorization signed by all of the partners. (See HRS Ch. 425, Partnerships).

**If Offeror is a SOLE PROPRIETORSHIP**, Offeror's signature shall be placed above.

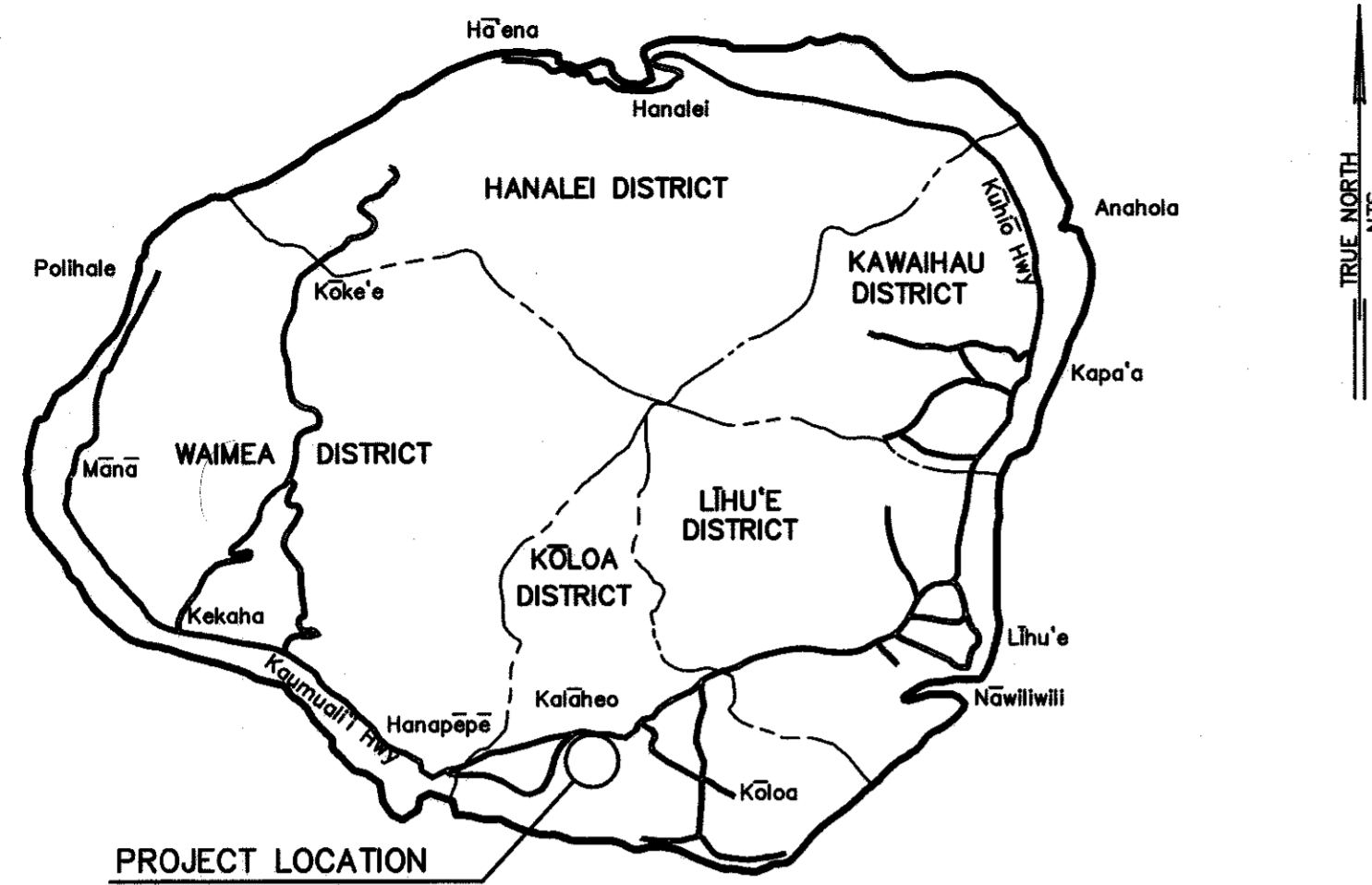
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**SCHEDULE F - CERTIFICATION OF BIDDER'S PARTICIPATION IN APPROVED APPRENTICESHIP PROGRAM UNDER ACT 17**

<b>I. Bidder's Identifying Information</b>			
A. Legal Business Name: _____			
B. Project Bid Title & Reference No.: _____			
C. Contact Person's Name: _____			
1. Phone No.: _____		2. E-Mail: _____	
<b>II. Apprenticeable Trades To Be Employed*</b>	<b>B. Apprenticeship Sponsor*</b> (One Sponsor Per Form)	<b>C. No. Enrolled</b> (# of apprentices currently enrolled as of bidder's request date)	<b>D. No. Completed</b> (# of apprentices who completed the apprenticeship program in the 12 months prior to request date)
A. (List)			
1.			
2.			
3.			
4.			
5.			
6.			
<b>III. Bidder's Certification</b>			
I certify that the above information is accurate to the best of my knowledge, I understand that my willful misstatement of facts may cause forfeiture of the preference under Act 17 and may result in criminal action. I give permission for outside sources to be contacted and for them to disclose any information necessary to verify the bidder's preference.			
A. Name (Type) _____		B. Title _____	
C. Signature (original signature required) _____		D. Date _____	
<b>IV. Apprenticeship Sponsor's Contact Information</b>			
A. Training Coordinator's Name: _____			
B. Address: _____			
C. Phone No.: _____		D. E-Mail: _____	
		E. Fax No: _____	
<b>V. Apprenticeship Program Sponsor's Certification</b>			
I certify that the above information is accurate to the best of my knowledge. I understand that my willful misstatement of facts may cause forfeiture of the bidder's preference and may result in criminal action. I give permission for outside sources to be contacted and for them to disclose any information necessary to verify the bidder's preference under Act 17.			
A. Name of Authorized Official _____		B. Title _____	
C. Signature (original signature required) _____		D. Date _____	

\* Name of Apprenticeable Trade and Apprenticeship Sponsor must be the same as recorded in the List of Construction Trades in Registered Apprenticeship Programs that is posted on the State Department of Labor and Industrial Relations website. (Rev. 08/25/20)





**ISLAND OF KAUA'I**  
NOT TO SCALE

DEPARTMENT OF WATER  
COUNTY OF KAUA'I

JOB NO. 18-07

# KUKUIOLONO EXISTING 0.2 MG TANK DEMOLITION PLAN

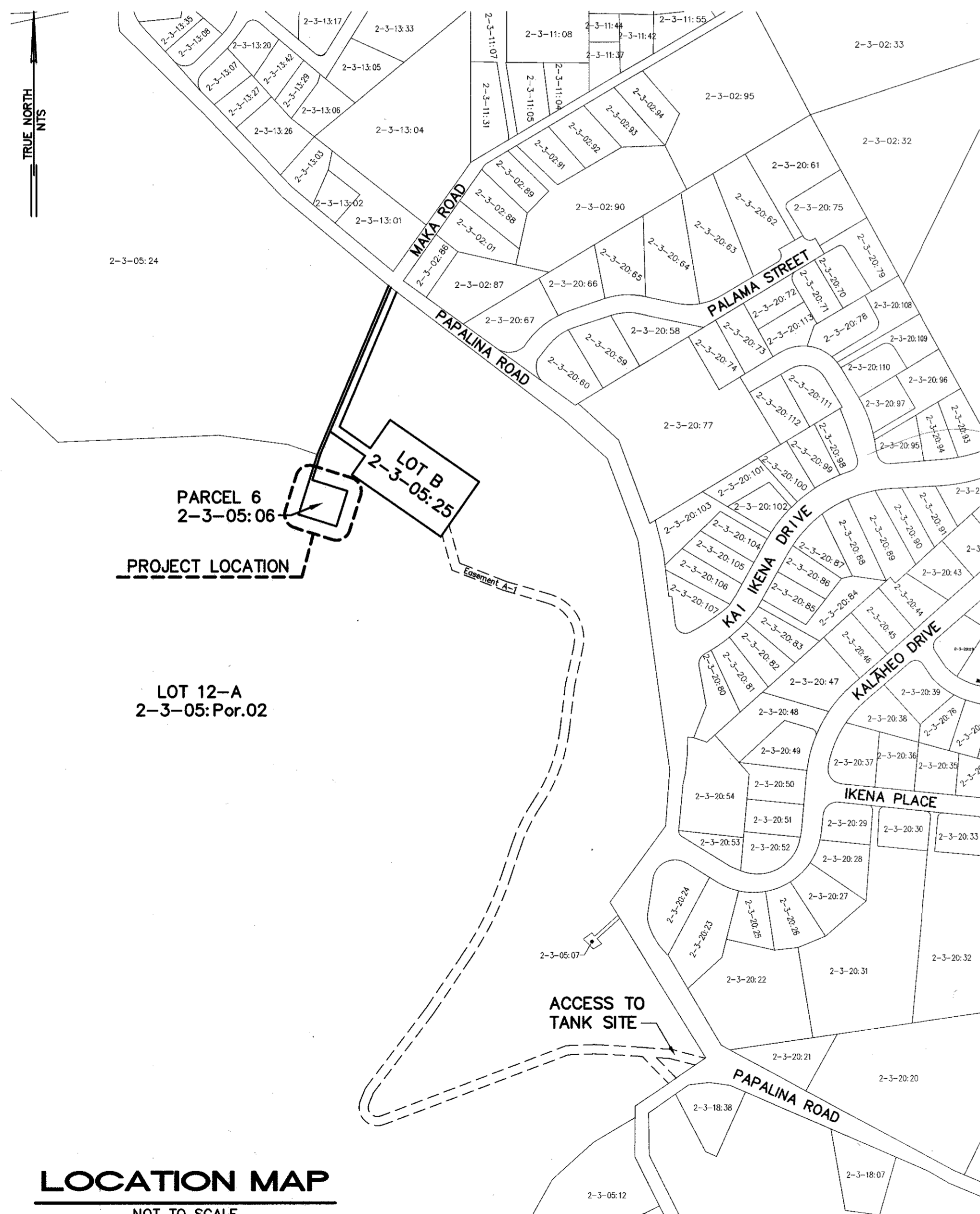
Kalaheo, Kaua'i, Hawai'i

TAX MAP KEY: (4) 2-3-05: 06, Por. 02

PREPARED BY:

**ESAKI SURVEYING AND MAPPING, INC.**

LĪHU'E, KAUA'I, HAWAII 96766



**LOCATION MAP**  
NOT TO SCALE

## INDEX TO DRAWINGS

DESCRIPTION	SHEET	SHEET #
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TEMPORARY EROSION CONTROL DETAILS	C-7	7
<b>STRUCTURAL PLANS</b>		
STRUCTURAL DEMOLITION PLAN AND RESERVOIR SECTION	S-1	8

## APPROVED:

N/A  
\_\_\_\_\_  
DIRECTOR, PLANNING DEPARTMENT  
COUNTY OF KAUA'I DATE

\_\_\_\_\_  
COUNTY ENGINEER, DEPT. OF PUBLIC WORKS  
COUNTY OF KAUA'I DATE

N/A  
\_\_\_\_\_  
CHIEF, ENVIRONMENTAL MANAGEMENT DIVISION, DEPARTMENT OF HEALTH  
STATE OF HAWAII DATE

*[Signature]* 9/19/19  
\_\_\_\_\_  
MANAGER & CHIEF ENGINEER, DEPARTMENT OF WATER  
COUNTY OF KAUA'I DATE

\_\_\_\_\_  
CHAIRPERSON, BOARD OF LAND & NATURAL RESOURCES  
STATE OF HAWAII DATE

DESIGNED BY: <i>WW</i>	SHEET
DRAWN BY: <i>CB</i>	<b>C-1</b>
DATE: JULY 2019	1 OF 8 SHEETS

KUKUIOLONO EXISTING 0.2 MG TANK DEMOLITION PLAN

## NOTES FOR GENERAL CONSTRUCTION

(revised December 12, 2017)

- All construction work is to be constructed in accordance with the publications "Hawaii Standard Specifications for Road and Bridge Construction, 2005" and its amendments and the "Standard Details for Public Works Construction, September 1984" as amended by the Department of Public Works, City and County of Honolulu, and the Counties of Kauai, Maui, and Hawaii. The standard details are available at the County of Kauai clerk's office.
- No grading between 7 PM to 7 AM on any given day or on Saturdays, Sundays and Holidays without written permission from the County Engineer and the State Department of Health.
- Contractor to notify Public Works Department five (5) business days prior to commencing any grading work. When completed and ready for final inspection, notify Public Works Department Inspection Section.
- Construction plans are valid for a period of one year from the date of approval. If construction does not commence within this one-year time from the date of approval, the construction plans shall be resubmitted to all reviewing and approving agencies for review, approval and recertification of the plan.
- All grading, grubbing and stockpiling work shall be performed in accordance with County of Kauai ordinance no. 808.
- After each rainfall event, the Contractor shall remove all silt and debris resulting from his work and deposited in drainage facilities, roadways and other areas. The cost incurred for any necessary remedial action by the County Engineer shall be payable by the Contractor.
- During cleaning operations, the Contractor shall supply a water truck for dust control purposes until the vegetation has re-established itself. Excess water, including silt and dirt, shall not be allowed to run-off the property.
- Benchmarks that are disturbed or destroyed shall be restored under a licensed land surveyor's direction. Copies of field notes, descriptions and new values of the new benchmarks shall be submitted to the department of public works survey section for review and approval prior to final acceptance of the project.
- The Contractor shall be responsible for all overtime and/or night work payments for County's staff and inspection personnel including consultants, when the contract requires overtime or night work to be performed, or directs the contractor to work additional shifts or overtime for County's convenience.
- Best Management Practices (BMP's) shall be employed at all times to the maximum extent practicable to prevent damage by sedimentation, erosion or dust to streams, watercourses, natural areas and the property of others.
- Surveys shall be done under the supervision of a land surveyor licensed in the State of Hawaii.
- If system conditions require non-emergency night time work during the autumn seabird fall season (September 15 through December 15), use of lighting shall be restricted between 9:00 PM to 4:30 AM. If lighting of the work area is required in such situation, all lights shall be shielded (minimum light spill towards the sky) and directed downwards to the maximum extent practicable. Minimum requirements for lighting by HIOSH and OSHA shall be provided and assured by the Contractor. The Contractor shall train all employees working at night (records retained by the Contractor) on how to handle any retrieved downed birds and have appropriate equipment as approved by Save Our Shearwaters (SOS) on site to hold and transport any retrieved birds to a SOS facility. This requirement does not allow lighting as may be restricted by other government agencies.
- Prior to starting any excavation activities, the Contractor shall contact the Hawaii One Call Center at 1-866-423-7287.
- Prior to installation of any new sewer lines, drain lines, manholes, and structures that will be transferred to the County or required for the Subdivision of the property, the Contractor shall have all improvements (mains, pipes, appurtenances and structures) surveyed and staked out by a Licensed Professional Land Surveyor and the Contractor shall expose, verify, and backfill all existing underground utilities and structures in close proximity to crossings and connections prior to excavation of pipeline trench. Contractor shall provide the licensed surveyor cut sheet and the probing information to the Department of Public Works Engineering construction engineer for review and approval before moving forward with installation via the submittal review process.
- Prior to installation of final roadway improvements (subgrade, base course, and final concrete or AC pavement, curbs, gutters, sidewalk, etc.) and/or any new right of way improvements that will be transferred to the County or required for the Subdivision of the property, the Contractor shall have all improvements surveyed and staked out by a Licensed Professional Land Surveyor and the Contractor shall expose, verify, and backfill all existing underground utilities and structures in close proximity to connections prior to establishing road subgrade. Contractor shall provide the licensed surveyor road centerline (and/or curb offsets) cut sheet of final subgrade to the Department of Public Works Engineering construction engineer for review and approval before moving forward with installation via the submittal process.
- The Department of Public Works shall be provided twenty (20) working days for all submittal reviews from the time of submission by the Contractor.

## HISTORIC PRESERVATION NOTES

(revised April 4, 2018)

- Should historic remains such as artifacts, burials, stone walls, concentrations of shell, charcoal deposits or human remains be encountered during construction activities, work shall cease immediately in the immediate vicinity of the find and the find shall be protected from further damage. The Contractor shall cordon off the area and immediately notify the Planning Department at (808) 241-4050 and the State Historic Preservation Division at (808) 692-8029, which will assess the significance of the find and recommend the appropriate mitigation measures, if necessary. In addition if human burials are found, the Contractor shall immediately notify the County of Kauai Police Department.

## NOTES FOR CONSTRUCTION WITHIN COUNTY RIGHT-OF-WAY

(revised July 24, 2013)

- All damaged pavement shall be restored to its original condition in accordance with County of Kauai, "Hawaii Standard Specifications for Road and Bridge Construction (2005)" and its amendments and the "Standard Details for Public Works Construction, September 1984", as amended by the Department of Public Works, City and County of Honolulu, and the Counties of Kauai, Maui, and Hawaii, with 2" minimum hot mixed asphalt concrete pavement (State Design Mix V) and 8" minimum base course.
- The Contractor shall provide, install, maintain all necessary signs, lights, flares, barricades, markers, cones and other protective facilities and shall take all necessary precautions for the protection and for the convenience and safety of the public traffic. All such protective facilities and precautions to be taken shall conform with the rules and regulations governing the use of traffic control devices at work sites on or adjacent to public streets and highways adopted by the Highway Safety Coordinator and U.S. Federal Highway Administration Manual on Uniform Traffic Control Devices for Streets and Highways dated 2009 and its amendments.
- The Contractor shall, whenever necessary, properly sheet and brace all excavations to render it secure and shall remove all such sheeting and bracing before completion of the backfill for water mains. The minimum cover requirements (from top of pipe to finished grade over pipe) is three (3) feet.
- A. A permit shall be obtained by the Contractor from the Department of Public Works, County of Kauai before work on a public street or highway may begin. Permit fees shall be at the Contractor's expense.  
B. Driveways shall be kept open unless owners of the abutting lots using these right-of-way are otherwise provided for satisfactorily.  
C. All work including repair of damaged pavement and shoulders shall be inspected and approved by the Department of Public Works. All unapproved work shall be considered unacceptable and shall be reworked and corrected as directed by the Department of Public Works, at the Contractor's expense.  
D. Damaged shoulders shall be restored to a condition equal to or better than existing condition.  
E. Work on a public street area may be performed only between the hours of 8:00 a.m. to 3:30 p.m. Monday through Friday, except on holidays recognized by the County of Kauai, unless otherwise permitted in writing by the County Engineer.  
F. During non-working hours, all trenches shall be covered with a safe non-skid bridging material and all lanes shall be opened to public vehicular and pedestrian traffic.  
G. No material and/or equipment shall be stockpiled or otherwise stored within County right-of-way except at locations designated in writing and approved by the County Engineer.  
H. The Contractor shall conduct his operations so as to offer the least possible obstructions and inconvenience to the public and he shall have under construction no greater length or amount of work that he can execute properly with due regard to the rights of the public.  
I. All existing drainage flow conditions shall be maintained.
- The Contractor shall retain the services of a Geotechnical Engineer for quality control. Certification from the Geotechnical Engineer shall be submitted to the Department of Public Works at the completion of the construction work. The Geotechnical Engineer shall certify that the construction work meets "Standard Specifications". The Geotechnical Engineer shall also submit test results as requested by the Department of Public Works.
- The Contractor shall hold a pre-construction meeting with the Construction Inspection and Design Sections of the Department of Public Works before commencing any work.
- The Contractor shall exercise extreme caution to preserve benchmarks (survey monuments) whenever the center of a survey monument is less than three (3) feet from the edge of construction. The Contractor shall retain a Licensed Surveyor to reference the location of said survey monument.
- Benchmarks that are disturbed or destroyed shall be restored under a Licensed Land Surveyor's direction. Copies of field notes, descriptions and new values of the new benchmark shall be sent to the Department of Public Works Survey Section for review and approval prior to final acceptance of the project.
- The Contractor shall be responsible for all overtime and/or night work payments for County's staff and inspection personnel including consultants when the Contract requires overtime or night work to be performed, or directs the Contractor to work additional shifts or overtime for County's convenience.
- If system conditions require non-emergency nighttime work during the autumn seabird fall season (September 15 through December 15), use of lighting shall be restricted to between 9:00 PM to 4:30 AM. If lighting of the work area is required in such situation, all lights shall be shielded (minimum light spill towards the sky) and directed downwards to the maximum extent practicable. Minimum requirements for lighting by HIOSH and OSHA shall be provided and assured by the Contractor. The Contractor shall train all employees working at night (records retained by the Contractor) in how to handle any retrieved downed birds and shall have appropriate equipment as approved by Save Our Shearwaters (SOS) on site to hold and transport any retrieved birds to a SOS facility. This requirement does not allow lighting as may be restricted by other government agencies.

## WATER POLLUTION AND EROSION CONTROL NOTES

(revised October 26, 2017)

### 1. GENERAL:

- The Contractor is reminded of the requirements of Section 209 - WATER POLLUTION AND EROSION CONTROL and Section 620 - DUST CONTROL in the "Hawaii Standard Specifications for Road and Bridge Construction 2005," and its amendments. Section 209 describes but is not limited to: local requirements; scheduling of a Water Pollution and Erosion Control Conference with the County; construction requirements; method of measurement; and basis of payment. No work shall commence without a BMP plan approved by the Department of Health.
- The Contractor shall follow the guidelines in the "Interim Best Management Practices Manual for Construction Sites for County of Kauai, April 2004" in developing, installing and maintaining the Best Management Practices (BMPs) for the project. The Contractor may submit alternate methods to the County for acceptance.
- The Contractor shall keep a copy of the approved BMP Plan, NOI, etc. on the project site. The BMP Plan shall be updated to reflect any changes made during the course of construction for the duration of the project.
- The Engineer may assess liquidated damages of up to \$27,500 for non-compliance of each BMP requirement and each requirement stated in Section 209, for every day of non-compliance. There is no maximum limit on the amount assessed per day.
- The Engineer will deduct the cost from the progress payment for all citations received by the Department for non-compliance, or the Contractor/Owner shall reimburse the State and/or County for the full amount of the outstanding cost incurred by the State and/or County.

### 2. WASTE DISPOSAL:

- Waste materials: All waste materials shall be collected and stored in a securely lidded metal dumpster that does not leak. The Dumpster shall meet all local and State Solid Waste Management Regulations. All trash and construction debris from the site shall be deposited in the Dumpster. The Dumpster shall be emptied a minimum of twice per week or as often as is deemed necessary. No construction waste materials shall be buried onsite. The Contractor's supervisory personnel shall be instructed regarding the correct procedure for waste disposal. Notices stating these practices shall be posted in the Office Trailer and the Contractor shall be responsible for seeing procedures are followed.
- Hazardous waste: All hazardous waste materials shall be disposed of in the manner specified by local or State regulation or by the manufacturer. The Contractor's site personnel shall be instructed in these practices and shall be responsible for seeing that these practices are followed.
- Sanitary waste: All sanitary waste shall be collected from the portable units a minimum of once per week, or as required.

### 3. EROSION AND SEDIMENT CONTROL INSPECTION AND MAINTENANCE PRACTICES:

- All control measures shall be inspected at least once each week and within 24 hours following any rainfall event of 0.5 inches or greater.
- All measures shall be maintained in good working order. If repair is necessary, it shall be initiated within 24 hours after the inspection.
- Built up sediment shall be removed from silt fence when it has reached one-third the height of the fence.
- Silt screen or fence shall be inspected for depth of sediment, tears, to verify that the fabric is securely attached to the fence posts or concrete slob and to verify that the fence posts are firmly in the ground.
- Temporary and permanent seeding and planting shall be inspected for bare spots, wash outs and healthy growth.
- The Contractor shall submit to the County a maintenance inspection report promptly after each weekly inspection.
- The Contractor shall select a minimum of three personnel who shall be responsible for inspections, maintenance and repair activities and filling out the inspection and maintenance report.
- Personnel selected for the inspection and maintenance responsibilities shall receive training from the Contractor. They shall be trained in all the inspection and maintenance practices necessary for keeping the erosion and sediment controls used onsite in good working order.
- All slopes and exposed areas shall be grassed as final grades have been established. Grading to final grade shall be continuous, and any area in which work has been interrupted or delayed or exposed for more than 15 days shall be grassed in order to prevent dust emission, erosion and silt runoff. Areas with imported soils shall be grassed not more than 5 working days after final grades have been established.
- Temporary erosion controls shall not be removed before permanent erosion controls are in-place and established.

### 4. NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) REQUIREMENTS:

- The Contractor shall apply for, obtain and comply with the National Pollutant Discharge Elimination System (NPDES) requirements for Kauai District permit projects. This is available at the Kauai District Office at 3040 Umi Street, Suite 205. Due to potential costs and impacts, the Contractor needs to be aware of these requirements.
- The Contractor shall complete and submit a Contractor's certification of NPDES compliance, including completion of the Best Management Practice (BMP) checklist and submittal of a written BMP Plan and drawings, prior to issuance of the permit to perform work upon County roadways.
- The Contractor shall obtain and comply with National Pollutant Discharge Elimination System (NPDES) permit requirements for all projects which will disturb one (1) acre or more of land. The Contractor shall not start construction until Notice of General Permit Coverage (NGPC) is received from the Department of Health, State of Hawaii and has satisfied any other applicable requirements of the NPDES permit program.
- The general contractor/developer/owner of the project shall be responsible for conformance with applicable provisions of the Hawaii Administrative Rules, Title 11, Chapter 54, "Water Quality Standards," and Title 11, Chapter 55, "Water Pollution Control."

The general contractor/developer/owner of the project shall obtain National Pollutant Discharge Elimination System (NPDES) Permit coverage(s) for the following:

- Storm water discharges associated with construction activities that disturb one (1) acre or more, and
- Discharges of hydrotesting effluent, dewatering effluent, and well drilling effluent to state waters.

In accordance with State law, all discharges related to project construction or operations are required to comply with State Water Quality Standards (Hawaii Administrative Rules, Chapter 11-54). Best Management Practices shall be used to minimize or prevent the discharge of sediment, debris, and other pollutants to State waters. Permit coverage is available from the Department of Health, Clean Water Branch at <http://health.hawaii.gov/cwb/>. The owner/developer/contractor is responsible for obtaining other Federal, State, or local authorizations as required by law.

### 5. GOOD HOUSEKEEPING BEST MANAGEMENT PRACTICES:

#### MATERIALS POLLUTION PREVENTION PLAN:

- Applicable materials or substances listed below are expected to be present onsite during construction. Other materials and substances not listed below shall be added to the inventory of the construction Contractor's site-specific BMP plan.

Concrete	Fertilizers
Detergents	Petroleum based products
Paints (Enamel and Latex)	Cleaning solvents
Metal Studs	Wood
Tar	Masonry Block
- Material management practices shall be used to reduce the risk of spills or other accidental exposure of materials and substances to storm water runoff. An effort shall be made to store only enough products as is required to do the job.
- All materials stored onsite shall be stored in a neat, orderly manner in their appropriate containers and if possible under a roof or other enclosure.
- Products shall be kept in their original containers with the original manufacturer's label.
- Substances shall not be mixed with one another unless recommended by the manufacturer.
- A product shall be used up completely before disposing of the container.
- Manufacturer's recommendations for proper use and disposal shall be followed.
- The Contractor shall conduct a daily inspection to ensure proper use and disposal of materials onsite.

#### HAZARDOUS MATERIAL POLLUTION PREVENTION PLAN:

- Products shall be kept in original containers unless they are not resealable.
- Original labels and material safety data sheets (MSDS) shall be retained and made available to the County upon request.
- Surplus products shall be disposed of according to manufacturer's instructions or local and State recommended regulations.

#### ONSITE AND OFFSITE PRODUCT SPECIFIC PLANS:

- The following product specific practices shall be followed onsite:
  - Petroleum based products: All onsite vehicles shall be monitored for leaks and receive regular preventive maintenance to reduce the chance of leakage. Petroleum products shall be stored in tightly sealed containers which are clearly labeled. Any asphalt substances used onsite shall be applied according to the manufacturer's recommendation.
  - Fertilizers: Apply fertilizers used only in the minimum amounts recommended by the manufacturer. Once applied, work fertilizer into the soil to limit exposure to storm water. Storage shall be in a covered shed. Transfer the contents of any partially used bags of fertilizer to a sealable plastic bin to avoid spills.
  - Paints: Seal and store all containers when not required for use. Do not discharge excess paint to the roadway drainage system. Dispose properly according to manufacturer's instruction or state and local regulations.
  - Concrete wash water is prohibited from discharging to the ground (soil, dirt, gravel); to any State water; or to any drainage structure (catch basin, inlet, swale, channel) that could lead to a State water. Concrete wash water shall be contained and allowed to evaporate. Concrete wash water can be discharged through the sanitary sewer only if the owner of the sanitary sewer allows it. Contact the Department of Health, Clean Water Branch (Tel: 808-586-4309) if you have any concerns with the handling of concrete wash water.

#### SPILL CONTROL PLAN:

- Post a spill prevention plan to include measures to prevent and clean up each spill.
- The Contractor shall be the spill prevention and clean-up coordinator. Designate at least three site personnel who shall receive spill prevention and cleanup training. These individuals shall each become responsible for a particular phase of prevention and cleanup. Post the names of responsible spill personnel in the material storage area and in the office trailer onsite.
- Clearly post manufacturer's recommended methods for spill cleanup. Make site personnel aware of the procedures and the location of information and cleanup supplies.
- Keep materials and equipment necessary for spill cleanup in the material storage area onsite.
- Clean up all spills immediately after discovery.
- Keep the spill area well ventilated. Personnel shall wear appropriate protective clothing to prevent injury from contact with hazardous substances.
- Report spills of toxic hazardous material to the appropriate State or local government agency, regardless of the size.

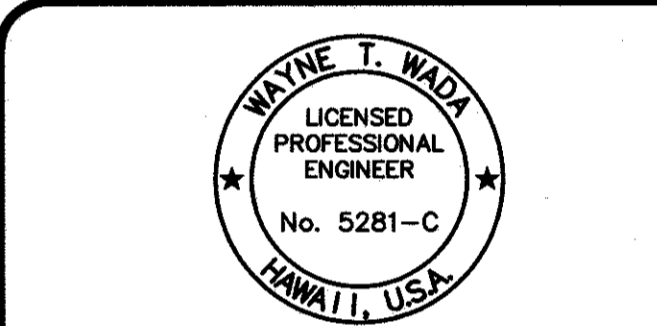
**ESAKI SURVEYING AND MAPPING, INC.**

1610 Haleukana Street  
Lihu'e, Kauai, Hawaii 96766  
Ph. (808) 246-0625 Fax (808) 246-0229

• CIVIL ENGINEERS • SURVEYORS • PLANNERS

REVISION	DATE	DESCRIPTION	BY	APPROVED

#### REVISIONS



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. (Certificate of construction as defined in Chapter 19-115, Subchapter 1 Definitions of the Hawaii Administrative Rules, "Professional Engineers, Architects, Surveyors, and Landscape Architects.")

*Wayne T. Wade*

Signature  
ESAKI SURVEYING & MAPPING, INC.  
EXPIRES: APRIL 30, 2020

PROJECT: JOB NO. 18-07  
**KUKUOLONO EXISTING 0.2 MG TANK DEMOLITION PLAN**  
Tax Map Key: (4) 2-3-05: 06, Por. 02  
Kai'aehe, Kauai, Hawaii

PREPARED FOR:  
**Department of Water  
County of Kauai**

## CONSTRUCTION NOTES

APPROVED:

*W/A*  
COUNTY ENGINEER, DEPT. OF PUBLIC WORKS,  
COUNTY OF KAUAI (FOR WORK WITHIN COUNTY R/W) DATE  
*W/A* 9/19/19  
MANAGER & CHIEF ENGINEER, DEPT. OF WATER,  
COUNTY OF KAUAI

DESIGNED BY: *W/A* SHEET  
DRAWN BY: *CB* **C-2**  
DATE: JULY 2019 2 OF 8 SHEETS

**GRADING NOTES**  
(revised June 20, 2016)

**TEMPORARY DUST CONTROL MEASURES FOR GRADING:**

- The graded or project site that is cleared of vegetation shall be kept damp with water continuously for seven (7) days a week. At the end of each day, the site shall be sufficiently dampened with water on a continual basis so that the site will remain moistened during the night.
- The Contractor shall conduct his operations so that excavation, embankment, and imported material shall be dampened with water on a continual basis to prevent dust problems.
- In applying for a grading permit, the Contractor shall submit plans, schedules and/or written measures which provides for dust control. The dust control measures shall contain positive statements which require actions or work that prevent dust problems. No permits will be issued unless the County is assured that dust and erosion problems will be minimized.

**TEMPORARY EROSION CONTROL MEASURES FOR GRADING:**

- Temporary vegetative cover shall be planted within a period of 30 calendar days after the site has been graded or bared of vegetation or if the site will be suspended for more than 30 calendar days.
- Temporary vegetative cover shall consist of 40 lbs. common rye grass seed per acre, 400 lbs. per acre 10-10-10 or equivalent fertilizer worked into the seed bed before planting. Temporary sprinker system is to be installed concurrently with all plantings. Planting and maintenance of grass shall conform to the "Hawaii Standard Specifications for Road and Bridge Construction, 2005" and its amendments.

**PERMANENT EROSION CONTROL MEASURES FOR GRADING:**

- The Contractor shall grass the entire project site, except paved areas with El Toro Zoysia grass. The grass shall be planted, fertilized, and maintained in accordance with the "Hawaii Standard Specifications for Road and Bridge Construction, 2005" and its amendments.
- The El Toro Zoysia grass seeds or sprigs will be provided by the Kukuiloano Golf Course Park Manager. The Contractor shall contact the golf course Manager at (808) 651-0875, in obtaining the grass seeds or sprigs and for coordination.
- The Contractor shall grass all exposed areas that have been constructed to final grades within a period of 30 calendar days.

**ENVIRONMENTAL CONTROL NOTES FOR GRADING**

- In accordance with Chapter 11-60.1, AIR POLLUTION CONTROL, Title 11, Hawaii Administrative Rules, the Property Owner/Developer shall be responsible for ensuring that effective control measures are provided to minimize or prevent any visible dust emission caused by the construction work from impacting the surrounding areas including the off-site roadways used to enter/exit the project. These measures include but are not limited to the use of water wagons, sprinker systems, dust fences, etc.
- In accordance with Chapter 11-55, WATER POLLUTION CONTROL and Chapter 11-54, Water Quality Standards, Title 11, Hawaii Administrative Rules, the Property Owner/Developer shall be responsible for ensuring that the Best Management Practice (BMP) to minimize or prevent the discharge of sediments, debris and other water pollutant into State waters are provided at all times.
- In accordance with Chapter 11-58, SOLID WASTE MANAGEMENT CONTROL, Title 11, Hawaii Administrative Rules, the Property Owner/Developer shall be responsible for ensuring that grub material, demolition waste and construction waste generated by the project are disposed of in a manner or at a site approved by the State Department of Health. Disposal of any of these wastes by burning is prohibited.
- Property Owner/Developer shall be responsible for obtaining and paying for all applicable permits from the Department of Health including but not limited to National Pollutant Discharge Elimination System (NPDES), Notice of Intent and General Permit for storm water, hydrostatic test and dewatering discharges prior to commencing construction. NPDES permit shall be required prior to grading or grubbing work over an area of one acre or more.
- After each rainfall event, the Contractor shall remove all silt and debris resulting from this work and deposited in drainage facilities, roadways and other areas. The cost incurred for any necessary remedial action by the Engineer shall be payable by the Contractor.
- Best Management Practices (BMP's) shall be employed at all times to the maximum extent practicable to prevent damage by sedimentation, erosion or dust to streams, watercourses, natural areas and the property of others.
- The Contractor shall obtain and comply with National Pollutant Discharge Elimination System (NPDES) permit requirements for all projects which will disturb one (1) acre or more of land. The Contractor shall not start construction until Notice of General Permit Coverage (NGPC) is received from the Department of Health, State of Hawaii and has satisfied any other permitting requirements of the NPDES permit program.
- In accordance with Chapter 11-46, COMMUNITY NOISE, Hawaii Administrative Rules, the Property Owner/Developer shall be responsible for providing effective control measures to minimize or prevent construction related noise from impacting the residents in the immediate area. If required, noise reduction measures shall be implemented by the Contractor during the construction work.
- The property may harbor rodents which will be dispersed to the surrounding areas when the site is cleared. In accordance with Chapter 11-26, entitled VECTOR CONTROL of Title 11, H.A.R., the applicant shall ascertain the presence or absence of rodents on the property. Should the presence of rodents be determined, the applicant shall eradicate the rodents prior to clearing the site.
- A copy of the plans, construction schedule and/or written measures that is required to be submitted by the Contractor (Dust Control Measures/Plans) should also be sent to the Department Of Health for monitoring purposes.

**GRADING PHASES**

- When grading work is done in phases, the Engineer must accept the completed phase prior to start of work on the next phase. Even after a completed phase has been accepted, the grading or other means of stabilization must be maintained until project completion.

**WATER CONSTRUCTION NOTES**  
(revised January 8, 2019)

- Unless otherwise specified, all materials and construction of water facilities and appurtenances shall be in accordance with the "Water System Standards, 2002", as adopted by the Department of Water, County of Kauai, including all subsequent amendments and additions.
  - All required project submittals (materials, shop drawings, chlorination plan, etc.) shall be approved by the department construction management division before a pre-construction conference can be scheduled. Once all project submittals have been approved by DOW construction engineer, the DOW construction engineer will notify the Contractor that a pre-construction conference can be arranged. The Contractor shall arrange a pre-construction conference at least ten (10) calendar days before construction and shall notify the Department of Water at least three (3) working days prior to start of construction.
  - The Contractor shall submit the names and telephone numbers of its authorized job superintendent and at least three (3) additional persons to contact in case of an emergency during non-working hours.
  - The Contractor shall notify the Department of Water at least 24 hours prior to any trenching, pipe laying, backfilling, testing or disinfection activities to ensure that inspection services will be available.
  - All materials (pipe, lubricants, paints, sealants, form oil, concrete admixtures, etc.) in direct contact with the potable water shall have National Sanitation Foundation (NSF) certifications. The Contractor shall submit these certifications to the Department of Water for review and approval prior to its application.
  - The location of existing water mains and appurtenances shown on the plans are approximate only. The Contractor shall verify the exact locations in the field. Excavation around any existing water main shall be done by hand.
  - The Contractor shall provide unobstructed access to existing hydrants, valves and water meters at all times.
  - The Contractor shall secure all excavations in accordance with OSHA regulations.
  - There shall be no physical connection between a public or private potable water system and a non-potable water system, sewer, or appurtenance thereto which could permit the passage of any sewage or polluted water into the potable water supply.
  - Trench excavation, backfilling in lifts, and repaving shall conform to the "Hawaii Standard Specifications for Road and Bridge Construction, 2005" as amended.
  - Warning tape shall be in accordance with Division 200, Section 212.08 of the "Water System Standards". The warning tape shall be four mil thick, non-metallic, acid and alkali resistant polyethylene and 6-inches wide with minimum strength of 1750 psi lengthwise and 1500 psi crosswise. Tape color shall be "Safety Precaution Blue" and shall bear a continuous printed inscription "Caution Water Line Buried Below". Inscription shall be 2-inches high, black text.
  - All hydrants shall receive a minimum SSPC SP3 surface preparation and coated in accordance with Division 200, Section 206.01 of the "Water System Standards."
  - Unless otherwise directed, prior to the connection of any pipelines and/or laterals to the existing main, the pipelines/laterals installed shall be cleaned, pressure tested, chlorinated, flushed, and sampled in accordance with Division 300, Sections 302.27 to 302.29 of the "Water System Standards".
- Water samples shall be tested for total coliforms by a laboratory certified by the State of Hawaii to perform coliform analysis. Presence of coliform bacteria is unacceptable. In addition to the test for coliforms, a separate test for heterotrophic plate count (HPC) shall be conducted. The HPC count shall be less than 300 CFU/ML.
- Prior to chlorination, a water chlorination and sanitation contractor with a C-37D license shall submit a chlorination plan with water source, injection points, sampling points and procedure clearly defined for approval by the DOW.
- The tested pipelines and/or laterals must be connected to the existing DOW system within 14 calendar days of pulling the first disinfection sample tested by a certified laboratory. The department of water will require the contractor to redo the cleaning, pressure testing, and/or disinfection of the pipelines and/or laterals at the Contractor's expense if the connection is not completed within 14 calendar days.
- Polyurethane foam "pigs" shall be "pushed" through the length of the installed pipeline using pressurized water.
  - All connections shall be scheduled in coordination with the Department of Water.
    - An advance deposit is required for operating valves, flushing lines and notifying consumers affected by a water shutdown during connections. The Contractor will be charged the actual cost.
    - The Contractor shall place the deposit prior to scheduling the connection date.
    - Shutdown connections shall be scheduled on Tuesdays through Thursdays. No connections shall be scheduled on Mondays, Fridays, weekends and holidays, or from December 18 - January 8 of each year.
    - All materials shall be on hand and approved by the Engineer prior to scheduling the connection date.
    - Pumps used to de-water the connection area shall be operated in the presence of the Engineer prior to scheduling the connection date.
    - All connections shall be performed in the presence of the Engineer.
    - No live taps shall be scheduled from December 24 - December 31 of each year.
  - In order to prevent damage to the polyethylene encasement from excessive handling, the polywrap shall be installed around the barrel of the ductile iron pipe at its final location along the trenchline. The polyethylene encased pipe shall be lifted using a fabric type sling or a suitably padded cable or chain to prevent damage to the polyethylene.
  - The Contractor shall take all necessary compaction tests while the waterline trench is being backfilled and while the subbase/basecourse is being placed. If the test results indicate that additional compaction is required, the corrective work shall be completed before any additional trench excavation or placing of subbase/basecourse is allowed.
- The Contractor shall retain the services of a registered geotechnical engineer for quality control. The compaction test results shall be certified by the Geotechnical Engineer and submitted to the Department of Water, State Highways Division (for work done within State R/W) and the Department of Public Works (for work done within County R/W). The Geotechnical Engineer shall certify that the compaction results meet the requirements of the current standard specifications for road and bridge construction.
- The Contractor shall connect all existing consumer piping to the new service laterals. The Department of Water will transfer the existing water meters only.
  - All fittings shall be mechanical joint (MJ) at each end unless otherwise noted. "Megalug" retainer glands shall be used with all mechanical joint fittings and valves used in connecting new water mains to existing water mains unless otherwise noted.
  - All water valves that will be abandoned in place shall be placed in the "closed" position. Remove top section of valve box and concrete settlement slab. Fill remainder of valve box with concrete. Place backfill and repair pavement section to applicable state or county standards. Backfill to finish grade in road shoulder area.

- The Contractor shall obtain all applicable Department of Health permits prior to the start of construction. Permits include, but are not limited to, National Pollution Discharge Elimination System (NPDES) permits for storm water, hydrostatic test, dewatering, and for construction activities, including clearing, grading, and excavation, that result in the disturbance of equal to or greater than one (1) acre of total land area.
- The Contractor shall be responsible for the proper disposal of storm water discharges and effluent associated with construction activities, including hydrotesting and disinfection operations, to safeguard public health and safety in accordance with applicable Department of Health requirements. All permits and licenses for storm water and construction water disposal, including all application, charges, fees, and taxes, are the responsibility of the Contractor.
- The Contractor is responsible for dewatering trench as necessary where groundwater is encountered. All associated costs for dewatering shall be borne by the Contractor.
- The use of known sewer pump trucks are prohibited for DOW projects for any use, including but not limited to dewatering and testing of new facilities.
- The Contractor shall verify outside diameter of all existing asbestos-cement (A.C.) waterlines to be connected. Contractor shall verify use of proper gaskets prior to connection. A.C. pipe and gasket information shall be submitted to Engineer for approval.
- All removal, disposal and connection work that involves asbestos pipe/material shall be done in the presence of or by a licensed asbestos contractor.
- The licensed asbestos contractor shall submit their plan for all associated removal, disposal and connection work for the project to DOW for review and approval prior to conducting the work.
- All connections to existing A.C. pipe shall be at the nearest A.C. pipe joint. A.C. pipe shall be removed by entire length(s) to facilitate the connection. Cutting of A.C. pipe is prohibited.
- The Contractor shall follow all applicable OSHA, HIOSH and federal regulations in handling and disposal of asbestos-cement pipe. Disposal of the pipe shall be at an approved asbestos material disposal site.
- All waterworks brass fittings shall be in compliance with the amended Section 1417 of Safe Drinking Water Act (SDWA) which takes effect on January 4, 2014. The amendment includes a change to the definition of "lead-free" by reducing lead content from 8% to a weighted average of not more than 0.25% in the wetted surface material. All waterworks brass fittings installed for potable water service on January 4, 2014 and beyond shall conform to the amended definition of "lead-free."
- As indicated in Section 211 of Water System Standards - Brass Products, all brass fittings shall conform to NSF Standard 61 and Section 1417 of the Safe Drinking Water Act (SDWA). In addition, all brass fittings shall conform to NSF Standard 372.
- Contractor shall install water facilities only after reaching final subgrade or higher. The Department of Water will not allow installation of any water facilities until the final subgrade layer at minimum has been achieved.
- Prior to installation of new water lines and/or facilities, the Contractor shall have all facilities surveyed and staked out by a licensed surveyor and the Contractor shall expose, verify, and backfill all existing underground utilities and structures in close proximity to crossings and connections prior to excavation of pipeline trench. Contractor shall provide the licensed surveyor cut sheet and the probing information to the DOW construction engineer for review and approval before moving forward with installation via the submittal review process.
- The department shall be provided twenty (20) working days for all submittal reviews from the time of submission by the Contractor.
- Unless otherwise specified, all ductile iron pipes, valves, and fittings, shall be encased in one layer of 8 mil minimum thickness polyethylene material in accordance with ANSI A-21.5 and AWWA C105. The polyethylene encasement film shall be manufactured from virgin polyethylene and shall consist of three layers of co-extruded linear low density polyethylene (LLDPE), fused into a single thickness of not less than 8 mils. The inside surface of the polyethylene wrap to be in contact with the pipe exterior shall be infused with a blend of an antimicrobial to mitigate microbiologically influenced corrosion and a volatile corrosion inhibitor to control galvanic corrosion. Polyethylene material shall have permanent markings per AWWA C105. Copper service laterals shall be encased with polyethylene wrap from the connection to the water main to the angle ball valve located in the water meter box.
- All design consultant and construction contractor staffing will be required to utilize the Department of Water's PMWEB platform during construction management of the project.

**INSTALLATION NOTES:**

- The right-of-way and relevant property corners or easements at the proposed water meter location(s) shall be surveyed by a licensed surveyor prior to construction. The surveyed points shall be preserved throughout the project's surveyed points shall be preserved throughout construction.
- The new service lateral piping may be tapped and installed horizontally from the existing waterline if there are no concrete encased utility ducts to clear at the property line.

**CIVIL ABBREVIATIONS**

- AC = ASBESTOS CEMENT (PIPE)  
AC = ASPHALT CONCRETE (ROAD)  
BFP = BACK FLOW PREVENTOR  
BOT = BOTTOM  
(BV) = BOTTOM VERTICAL CURVE  
BVC = BOTTOM VERTICAL CURVE  
CATV = CABLE TELEVISION  
CI = CAST IRON (PIPE)  
CL = CENTERLINE  
CMU = CEMENT MASONRY UNIT  
CO = CLEAN OUT  
DI = DUCTILE IRON (PIPE)  
DL = DRAIN LINE  
DMH = DRAIN MAN HOLE  
DWG = DRAWING  
EFF = EFFLUENT  
EVC = END VERTICAL CURVE  
FE = FLANGE END  
GAL = GALLON  
G.V. = GATE VALVE  
GW = GUY WIRE  
(H) = HORIZONTAL  
HDPE = HIGH DENSITY POLYETHYLENE (PIPE)  
HTEL = HAWAII TELCOM  
IR = IRRIGATION LINE  
IMH = IRRIGATION MAN HOLE  
INF = INFLUENT
- INVERT  
KIUC = KAUAI ISLAND UTILITY COOPERATIVE  
LT = LEAF  
MJ = MECHANICAL JOINT  
NTS = NOT TO SCALE  
O/S = OFFSET  
PB = PULL BOX  
PL = PROPERTY LINE  
PNT = POINT  
PP = POWER POLE  
POC = POINT ON CURVE  
PRC = POINT REVERSE CURVE  
PVC = POLYVINYL CHLORIDE PIPE  
PVC = POINT VERTICAL INTERSECTION CURVE  
R = RADUIS  
RT = RIGHT  
ROW = RIGHT OF WAY  
SL = SEWER LINE  
STA = STATION  
TMK = TAX MAP KEY  
TS = TOP STEM  
(TV) = TOP VERTICAL  
UG = UNDERGROUND  
(V) = VERTICAL  
VC = VERTICAL CURVE  
WM = WATER METER  
WMH = WATER MAN HOLE  
WV = WATER VALVE

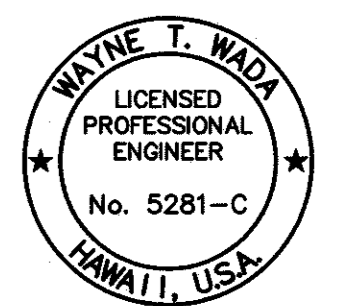


1610 Halekuna Street  
Lihue, Kauai, Hawaii 96766  
Ph. (808) 246-0625 Fax (808) 246-0229

• CIVIL ENGINEERS • SURVEYORS • PLANNERS

REVISION	DATE	DESCRIPTION	BY	APPROVED

**REVISIONS**



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. (Subsections of construction as defined in Chapter 10-11, Subchapter 1 Definitions of the Hawaii Administrative Rules, "Professional Engineers, Architects, Surveyors, and Landscape Architects.")

*Wayne T. Wade*  
Signature  
ESAKI SURVEYING & MAPPING, INC.  
EXPIRES: APRIL 30, 2020

PROJECT: JOB NO. 18-07  
**KUKUOLOLO EXISTING 0.2 MG TANK DEMOLITION PLAN**  
Tax Map Key: (4) 2-3-05: 06, Por. 02  
Kalaheo, Kauai, Hawaii

PREPARED FOR: **Department of Water  
County of Kauai**

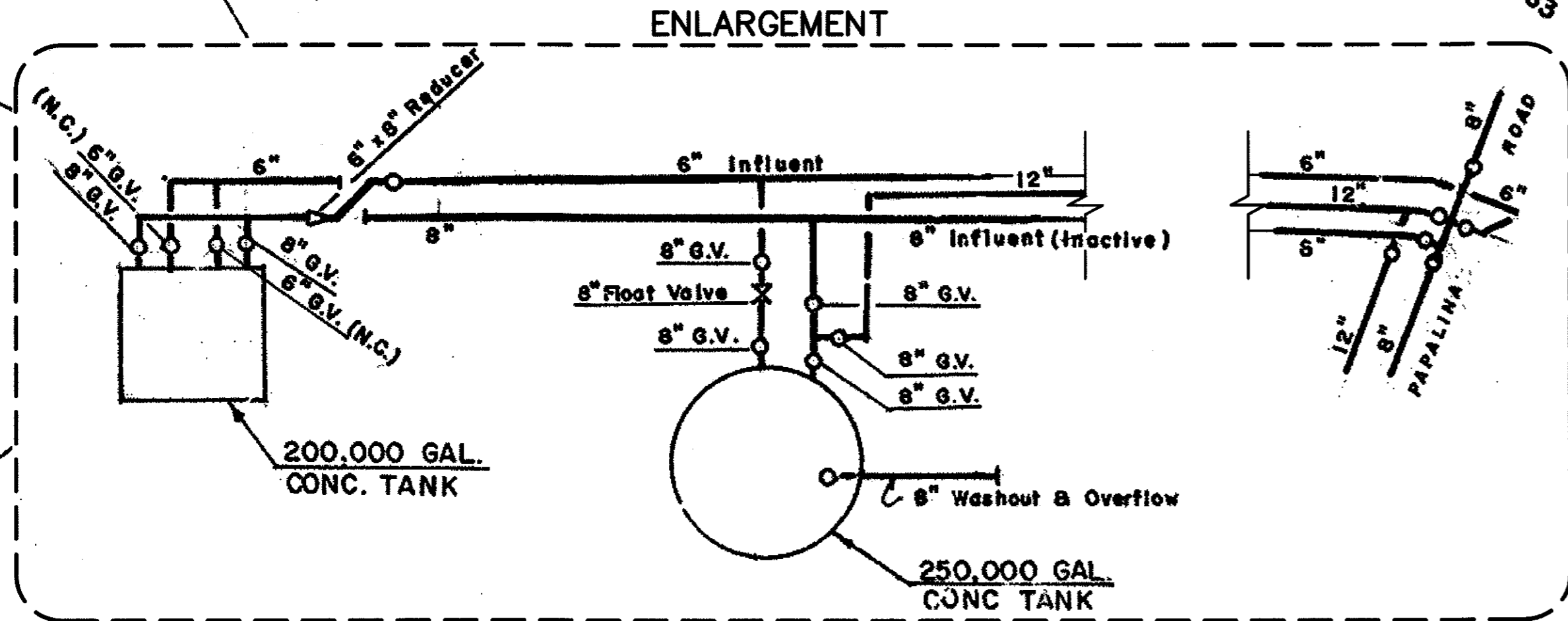
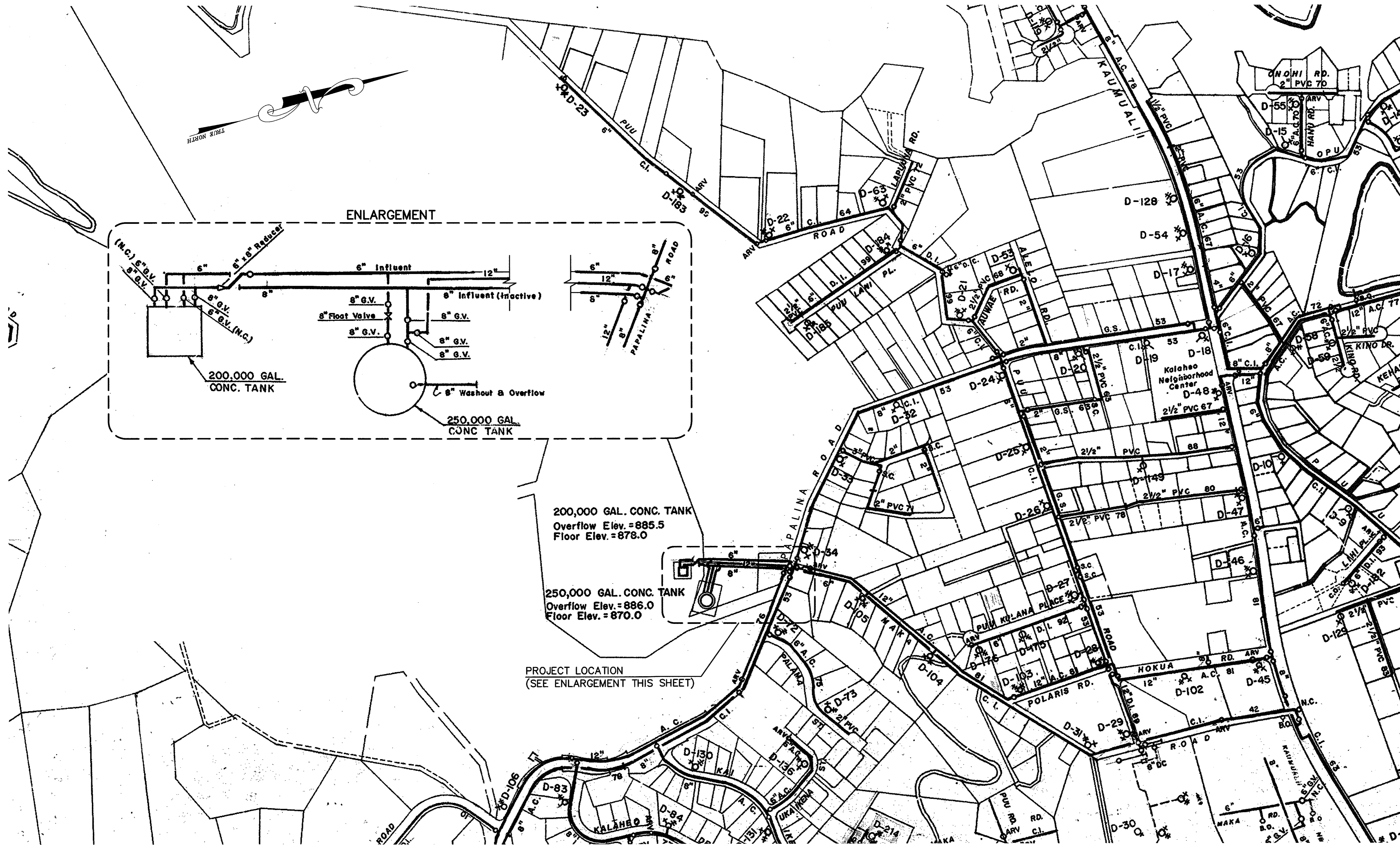
**CONSTRUCTION NOTES**

APPROVED: *WV*  
COUNTY ENGINEER, DEPT. OF PUBLIC WORKS, R/W  
COUNTY OF KAUAI (FOR WORK WITHIN COUNTY R/W) DATE: 9/19/19  
MANAGER & CHIEF ENGINEER, DEPT. OF WATER, COUNTY OF KAUAI

DESIGNED BY: *WV* SHEET  
DRAWN BY: *CB* **G-3**  
DATE: JULY 2019 2 OF 8 SHEETS

Project No.: 12-12  
Drawing File: 12-12 DEMO PLAN.dwg





200,000 GAL. CONC. TANK  
 Overflow Elev. = 885.5  
 Floor Elev. = 878.0

250,000 GAL. CONC. TANK  
 Overflow Elev. = 886.0  
 Floor Elev. = 870.0

PROJECT LOCATION  
 (SEE ENLARGEMENT THIS SHEET)

KALĀHEO WATER SYSTEM  
**KALĀHEO**  
 DEPARTMENT OF WATER  
 COUNTY OF KAUA'I  
 LATEST REVISION: JUNE 2008  
 SCALE: N.T.S.

**F.H. SYMBOLS**

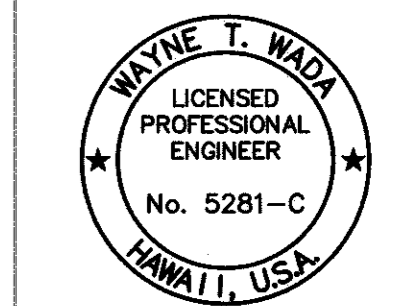
○	STANDPIPE	1-2 1/2"
⊙	STANDPIPE	1-2 1/2"
⊗	F.H.	2-2 1/2"
⊘	F.H.	1-4" 1-2 1/2"
⊙	F.H.	1-4 1/2" 1-2 1/2"
⊗	F.H.	1-4 1/2" 2-2 1/2"

**ESAKI SURVEYING AND MAPPING, INC.**

1610 Halekuna Street  
 Lihue, Kauai, Hawaii 96766  
 Ph. (808) 246-0625 Fax (808) 246-0229

CIVIL ENGINEERS • SURVEYORS • PLANNERS

REVISION	DATE	DESCRIPTION	BY	APPROVED
REVISIONS				



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.  
(Signatures of construction as defined in Chapter 10-115, Subchapter 1 Definitions of the Hawaii Administrative Rules, Professional Engineers, Architects, Surveyors, and Landscape Architects.)

*Wayne T. Wada*  
 Signature

ESAKI SURVEYING & MAPPING, INC.  
 EXPIRES: APRIL 30, 2020

PROJECT: JOB NO. 18-07  
**KUKUIOLONO EXISTING 0.2 MG TANK DEMOLITION PLAN**  
 Tax Map Key: (4) 2-3-05: 06, Par. 02  
 Kalāheo, Kauai, Hawaii

PREPARED FOR: Department of Water  
 County of Kauai

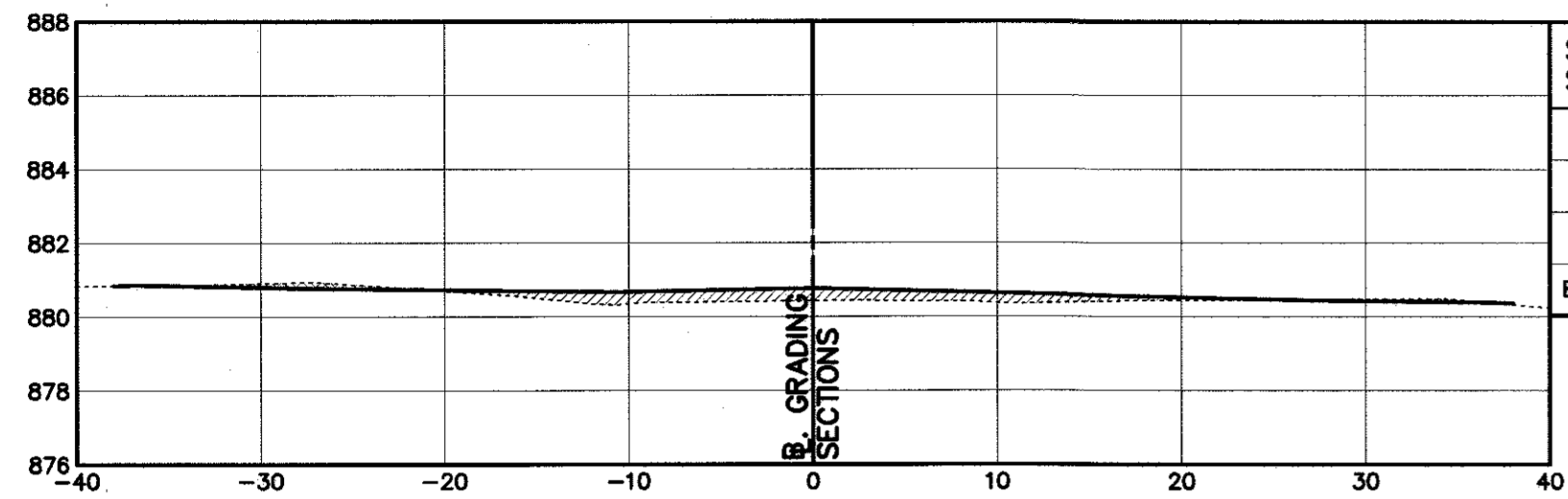
**DEPT. OF WATER  
 AREA MAP**

APPROVED: *[Signature]*  
 COUNTY ENGINEER, DEPT. OF PUBLIC WORKS,  
 COUNTY OF KAUA'I (FOR WORK WITHIN COUNTY R/W) DATE: 9/19/19  
 MANAGER & CHIEF ENGINEER, DEPT. OF WATER,  
 COUNTY OF KAUA'I DATE:

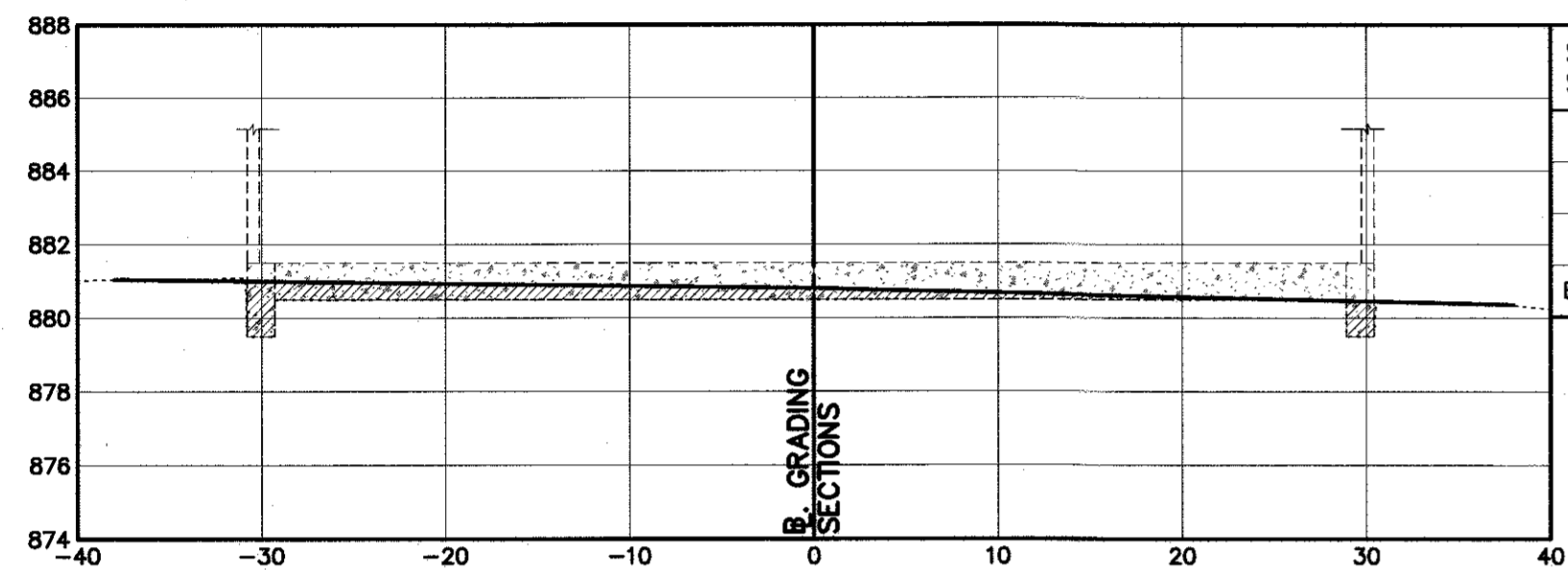
DESIGNED BY: WW SHEET  
 DRAWN BY: CB C-4  
 DATE: JULY 2019 4 OF 8 SHEETS

Project No.: 12-12  
 Drawing File: 12-12 TITLE DEMO PLAN.dwg

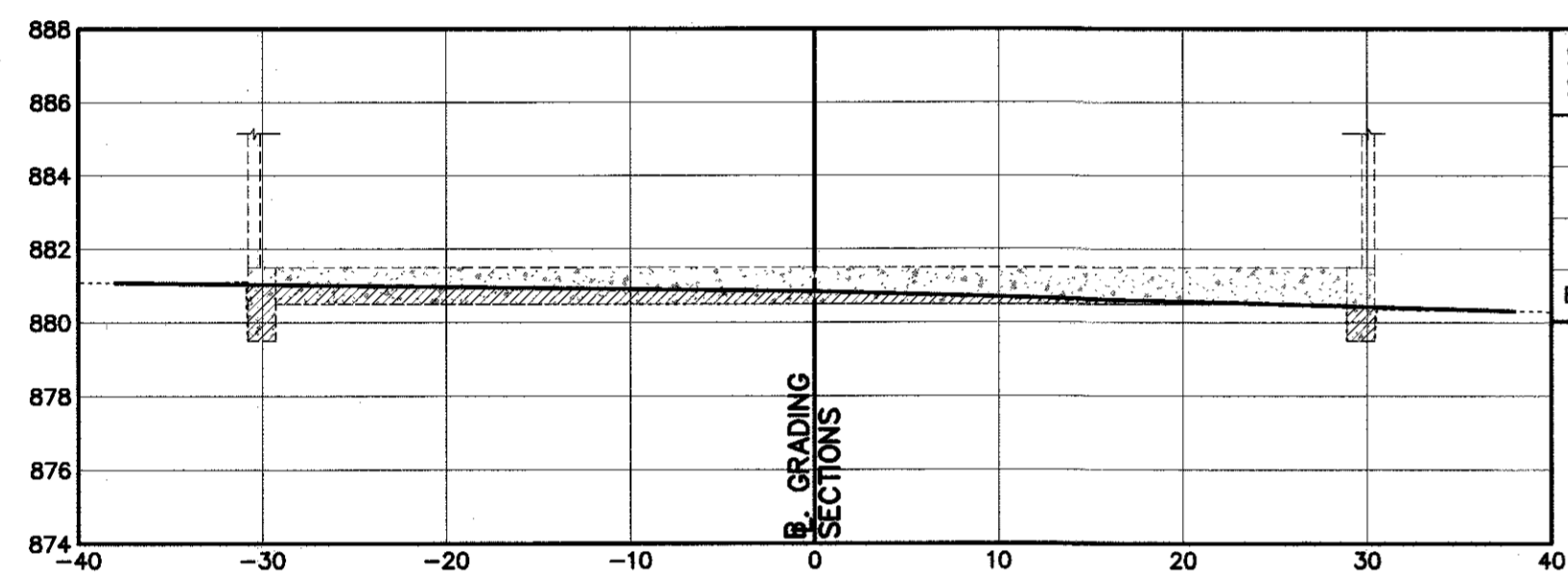




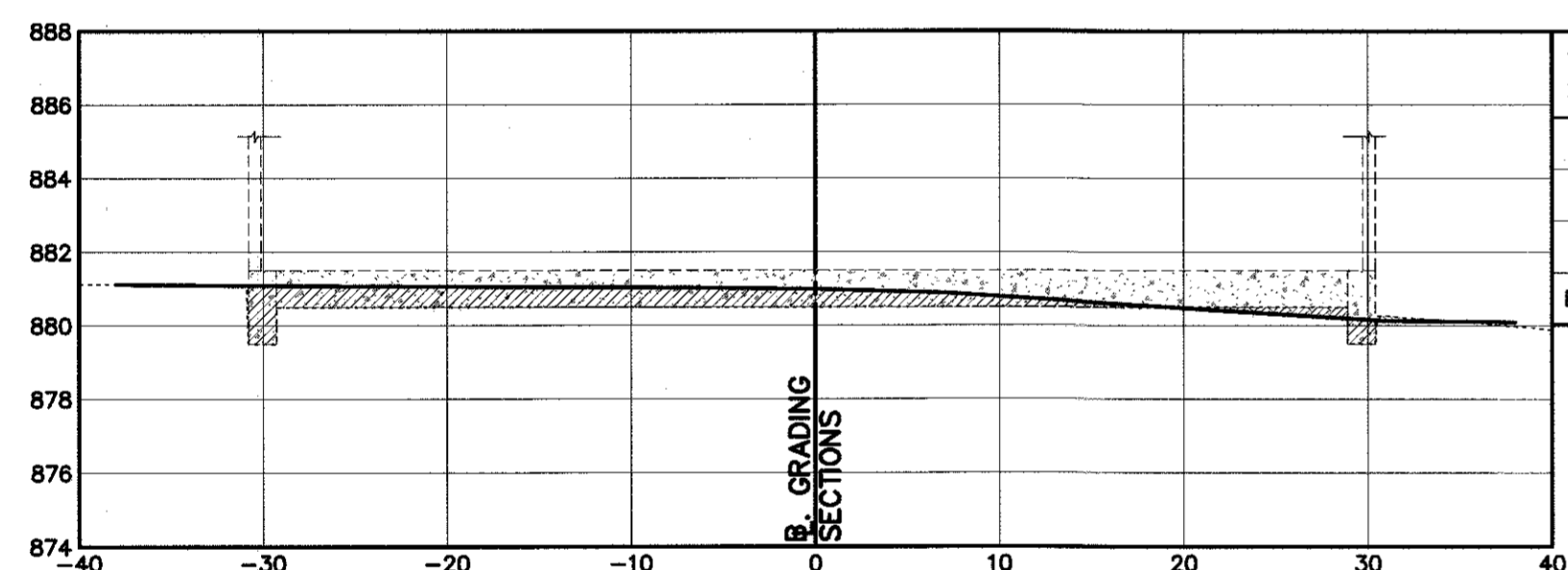
<b>Section 6 - 6</b> Station 0+75.00	
Cut Area (Sq.Ft.)	1.76
Fill Area (Sq.Ft.)	9.83
Excavation (Cu.Yds.)	0.59
Embankment (Cu.Yds.)	8.06



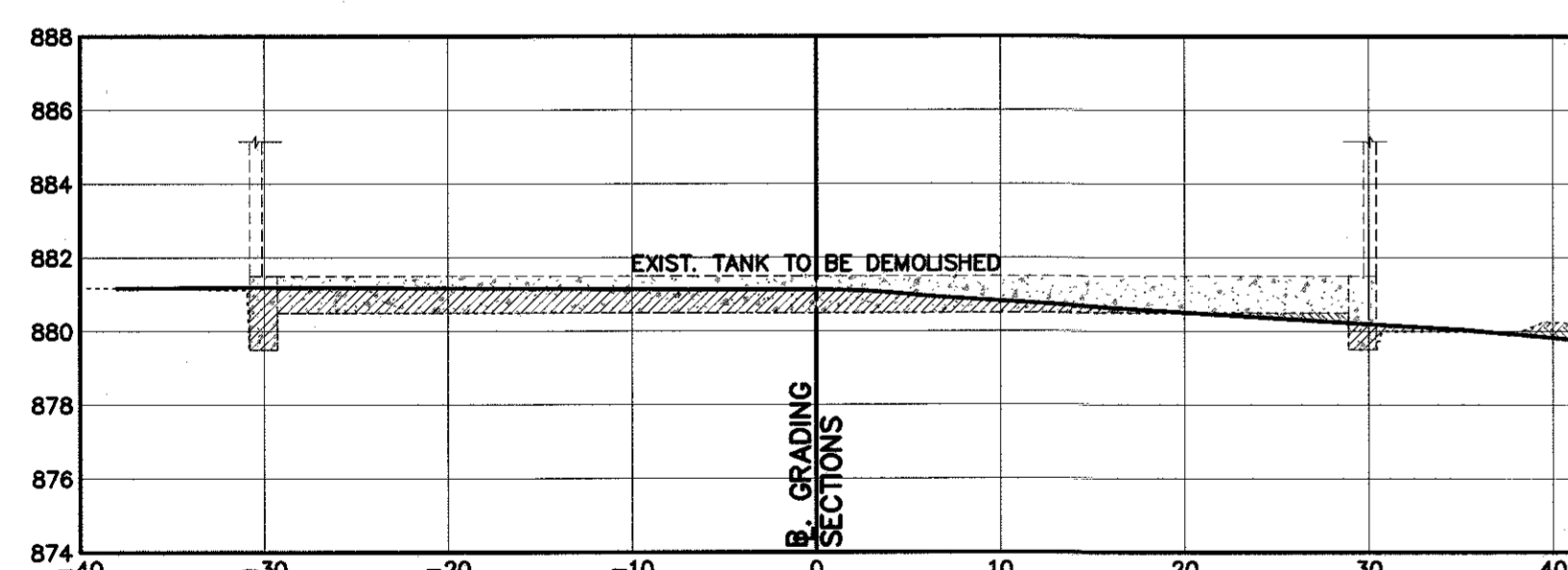
<b>Section 5 - 5</b> Station 0+60.00	
Cut Area (Sq.Ft.)	0.36
Fill Area (Sq.Ft.)	19.18
Excavation (Cu.Yds.)	0.18
Embankment (Cu.Yds.)	11.14



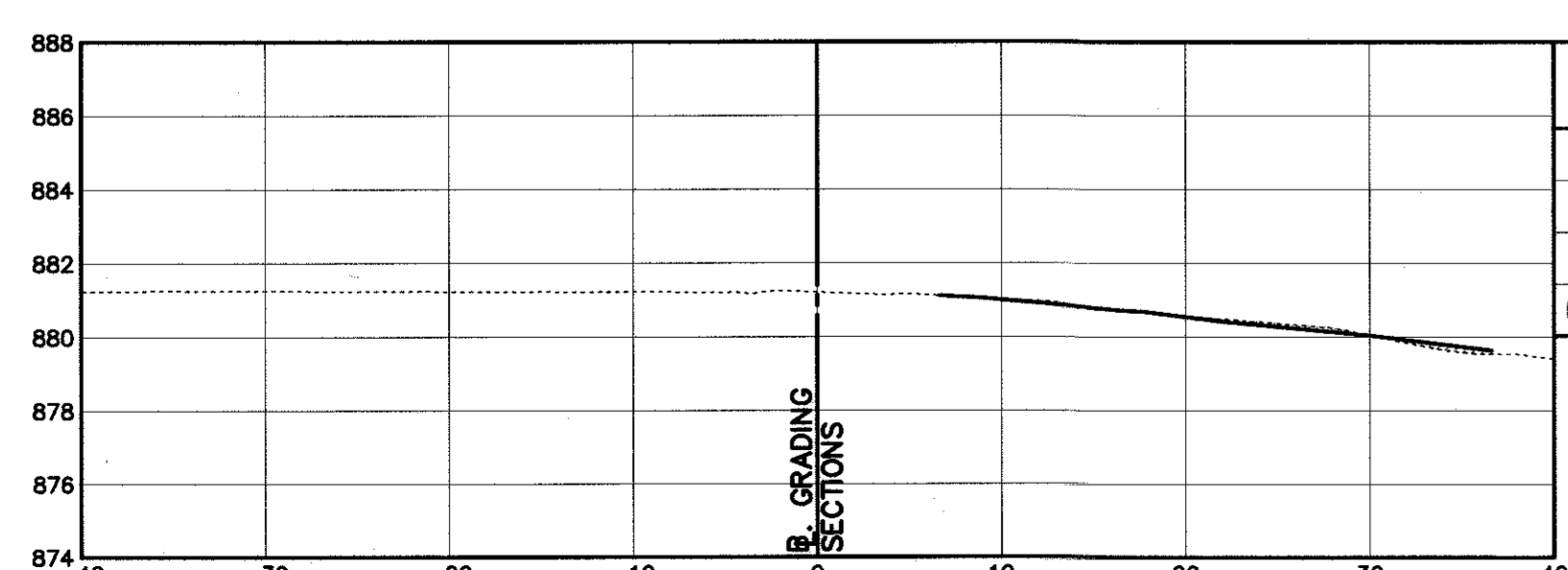
<b>Section 4 - 4</b> Station 0+45.00	
Cut Area (Sq.Ft.)	0.27
Fill Area (Sq.Ft.)	20.93
Excavation (Cu.Yds.)	0.61
Embankment (Cu.Yds.)	12.71



<b>Section 3 - 3</b> Station 0+30.00	
Cut Area (Sq.Ft.)	1.92
Fill Area (Sq.Ft.)	24.81
Excavation (Cu.Yds.)	1.28
Embankment (Cu.Yds.)	15.34



<b>Section 2 - 2</b> Station 0+15.00	
Cut Area (Sq.Ft.)	2.69
Fill Area (Sq.Ft.)	30.42
Excavation (Cu.Yds.)	1.02
Embankment (Cu.Yds.)	8.65



<b>Section 1 - 1</b> Station 0+00.00	
Cut Area (Sq.Ft.)	0.99
Fill Area (Sq.Ft.)	0.71
Excavation (Cu.Yds.)	0.00
Embankment (Cu.Yds.)	0.00

EARTHWORK QUANTITIES			
Total Graded Area	Total Excavation	Total Embankment	Total Net Volume
0.181 Acres	4 Cu.Yds.	59 Cu.Yds.	55 Cu.Yds. (FILL REQUIRED)

**LEGEND:**  
 ——— FINISH GRADE LINE  
 - - - - - EXISTING GRADE LINE  
 [Hatched Box] INDICATES CUT AREA  
 [Cross-hatched Box] INDICATES FILL AREA

**ESAKI**  
**SURVEYING AND**  
**MAPPING, INC.**

1610 Haleukana Street  
 Lihue, Kauai, Hawaii 96766  
 Ph. (808) 246-0625 Fax (808) 246-0229

• CIVIL ENGINEERS • SURVEYORS • PLANNERS

REVISION	DATE	DESCRIPTION	BY	APPROVED

REVISIONS



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. (Operations of construction as defined in Chapter 10-115, Subchapter 1 Definitions of the Hawaii Administrative Rules, "Professional Engineers, Architects, Surveyors, and Landscape Architects.")

*Wayne T. Wada*  
 Signature  
 ESAKI SURVEYING & MAPPING, INC.  
 EXPIRES: APRIL 30, 2020

PROJECT: JOB NO. 18-07  
**KUKUOLONO EXISTING 0.2 MG TANK DEMOLITION PLAN**  
 Tax Map Key: (4) 2-3-05: 06, Por. 02  
 Kalaheo, Kauai, Hawaii

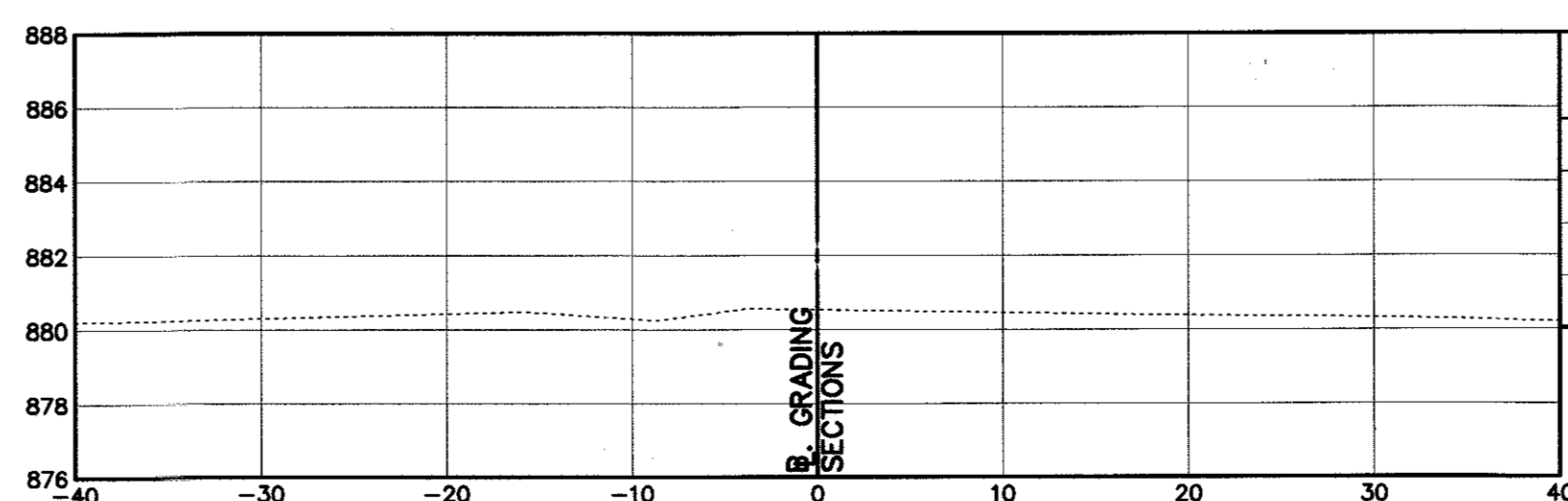
PREPARED FOR:  
**Department of Water**  
**County of Kauai**

**GRADING SECTIONS**

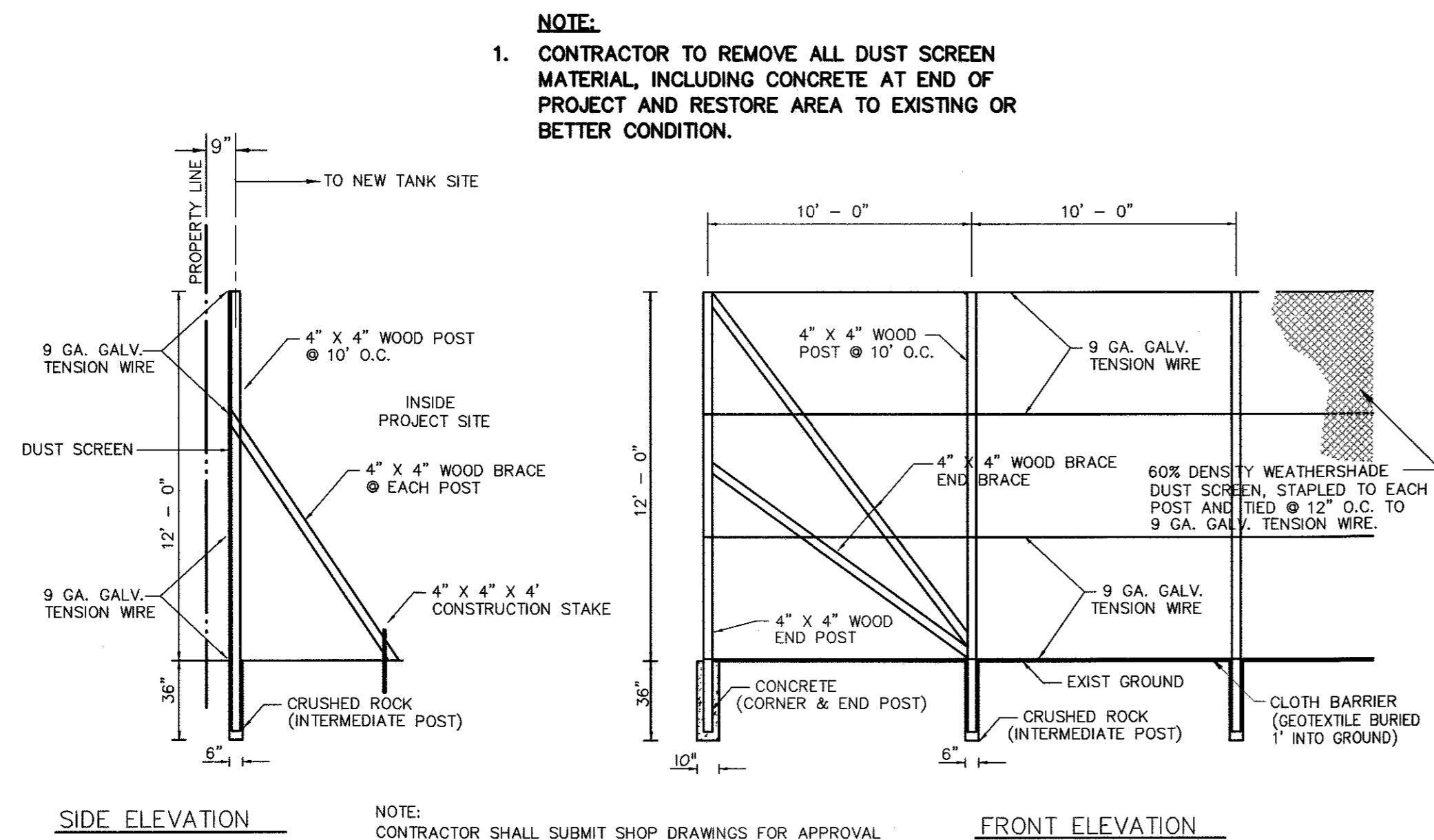
**APPROVED:**  
*N/A*  
 COUNTY ENGINEER, DEPT. OF PUBLIC WORKS, COUNTY OF KAUAI (FOR WORK WITHIN COUNTY R/W ONLY) DATE  
*[Signature]* 9/19/19 DATE  
 MANAGER'S CHIEF ENGINEER, DEPT. OF WATER, COUNTY OF KAUAI

DESIGNED BY: *W/W*  
 DRAWN BY: *C/B*  
 DATE: JULY 2019

SHEET  
  
 6 OF 8 SHEETS



<b>Section 7 - 7</b> Station 0+90.00	
Cut Area (Sq.Ft.)	0.00
Fill Area (Sq.Ft.)	0.00
Excavation (Cu.Yds.)	0.49
Embankment (Cu.Yds.)	2.73



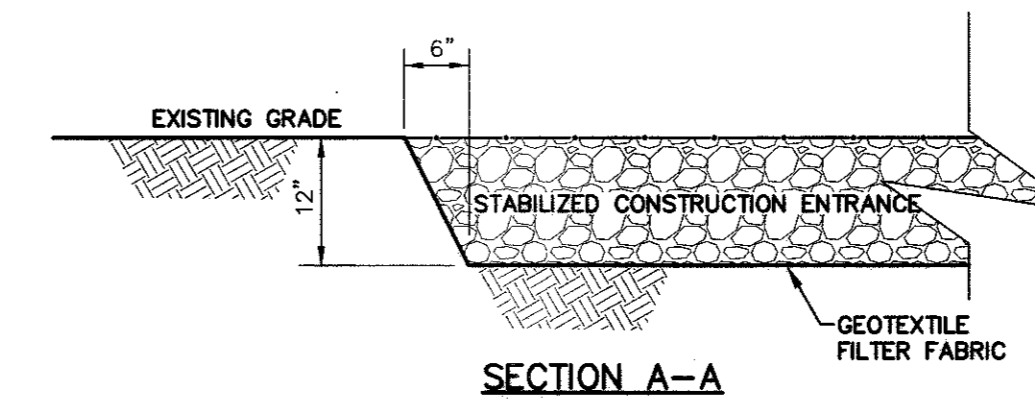
**NOTE:**  
1. CONTRACTOR TO REMOVE ALL DUST SCREEN MATERIAL, INCLUDING CONCRETE AT END OF PROJECT AND RESTORE AREA TO EXISTING OR BETTER CONDITION.

NOTE:  
CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO THE START OF THE PROJECT.

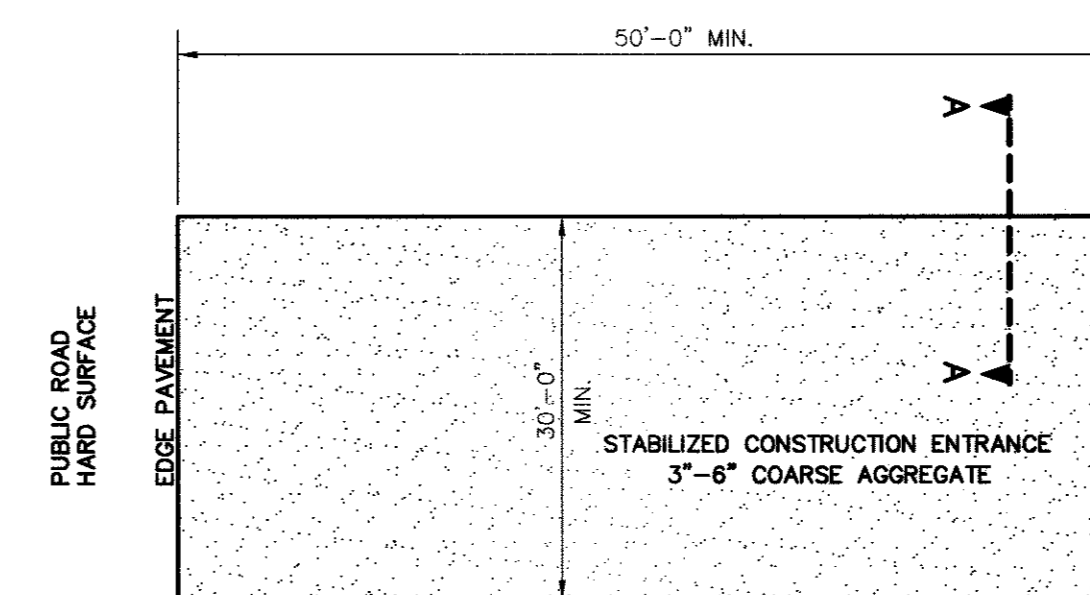
**DUST SCREEN DETAIL**  
SCALE: N.T.S.

**BMP NOTES:**

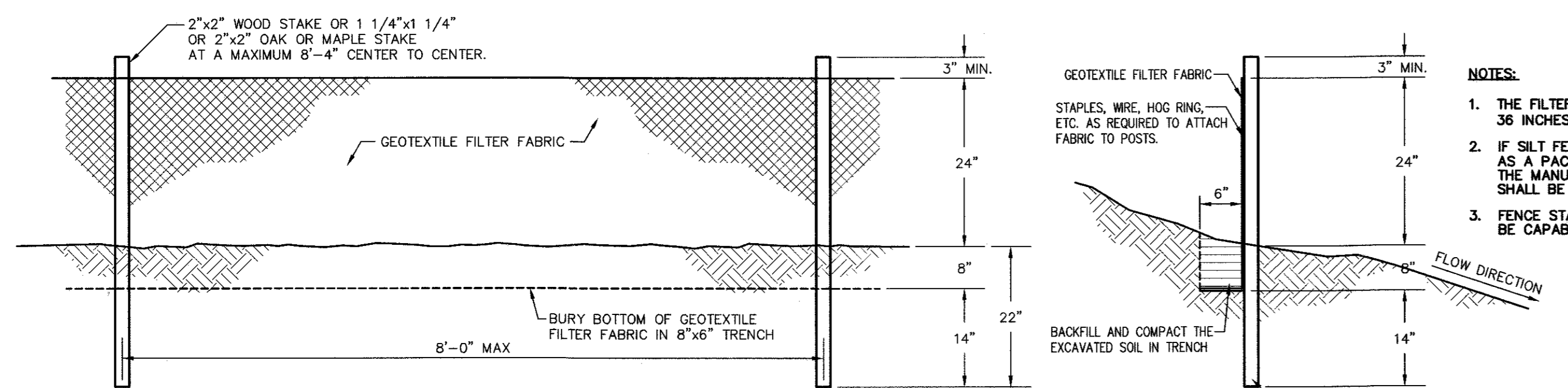
1. CONTRACTOR TO FOLLOW ALL DEPARTMENT OF HEALTH, CLEAN WATER BRANCH REQUIREMENTS FOR INSPECTION OF BMP'S AND REMOVAL OF BMP'S AS NECESSARY FOR SUBSTANTIAL STORM EVENTS AND AS REQUIRED BY DOW.
2. CONTRACTOR SHALL ADEQUATELY MAINTAIN AND/OR REPLACE COARSE AGGREGATE AS NECESSARY OR AS DIRECTED BY DOW CONSTRUCTION MANAGEMENT AT CONTRACTORS SOLE COST.
3. IF NECESSARY, CONTRACTOR SHALL SUBSTITUTE BMP MATERIALS/METHODS TO ADHERE TO ALL DOH & EPA REQUIREMENTS DURING CONSTRUCTION.



**SECTION A-A**



**STABILIZED CONSTRUCTION ENTRANCE**  
SCALE: N.T.S.



**NOTES:**

1. THE FILTER FABRIC SHALL BE A MINIMUM OF 36 INCHES WIDE.
2. IF SILT FENCE IS OBTAINED FROM MANUFACTURER AS A PACKAGE (I.E. FABRIC ATTACHED TO POST) THE MANUFACTURER'S INSTALLATION INSTRUCTION SHALL BE ADHERED TO.
3. FENCE STAKES MAY BE WOOD OR METAL, MUST BE CAPABLE OF SUPPORTING ANTICIPATED LOADS.

**FILTER FABRIC FENCE**  
SCALE: N.T.S.

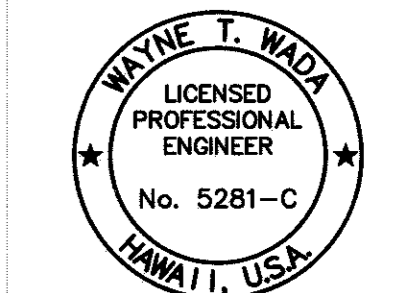
**ESAKI**  
**SURVEYING AND**  
**MAPPING, INC.**

1610 Haleukana Street  
Lihue, Kauai, Hawaii 96766  
Ph. (808) 246-0625 Fax (808) 246-0229

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REVISION	DATE	DESCRIPTION	BY	APPROVED

REVISIONS



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.  
(Observation of construction as defined in Chapter 19-115, Subchapter 1 Definitions of the Hawaii Administrative Rules, "Professional Engineers, Architects, Surveyors, and Landscape Architects.")

*Wayne T. Wade*  
Signature

ESAKI SURVEYING & MAPPING, INC.  
EXPIRES: APRIL 30, 2020

PROJECT: JOB NO. 18-07  
**KUKUIOLONO EXISTING 0.2 MG TANK DEMOLITION PLAN**  
Tax Map Key: (4) 2-3-05: 06, Par. 02  
Kalaheo, Kauai, Hawaii

PREPARED FOR:  
**Department of Water**  
**County of Kauai**

**TEMPORARY**  
**EROSION CONTROL**  
**DETAILS**

APPROVED:

*Wayne T. Wade*  
MANAGER & CHIEF ENGINEER, DEPT. OF WATER,  
COUNTY OF KAUAI  
DATE: 9/19/19

DESIGNED BY: *WW*

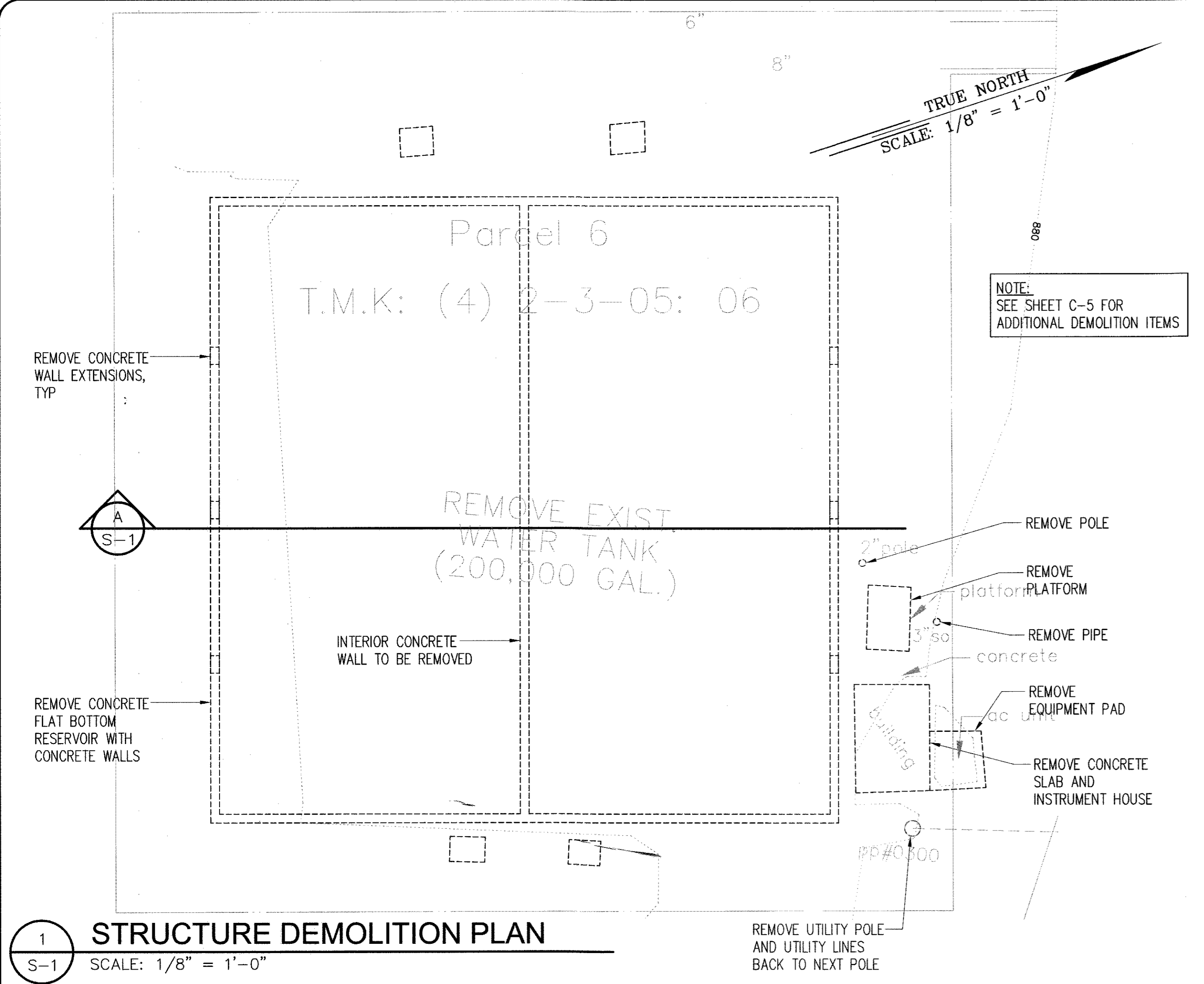
DRAWN BY: *CB*

DATE: JULY 2019

SHEET

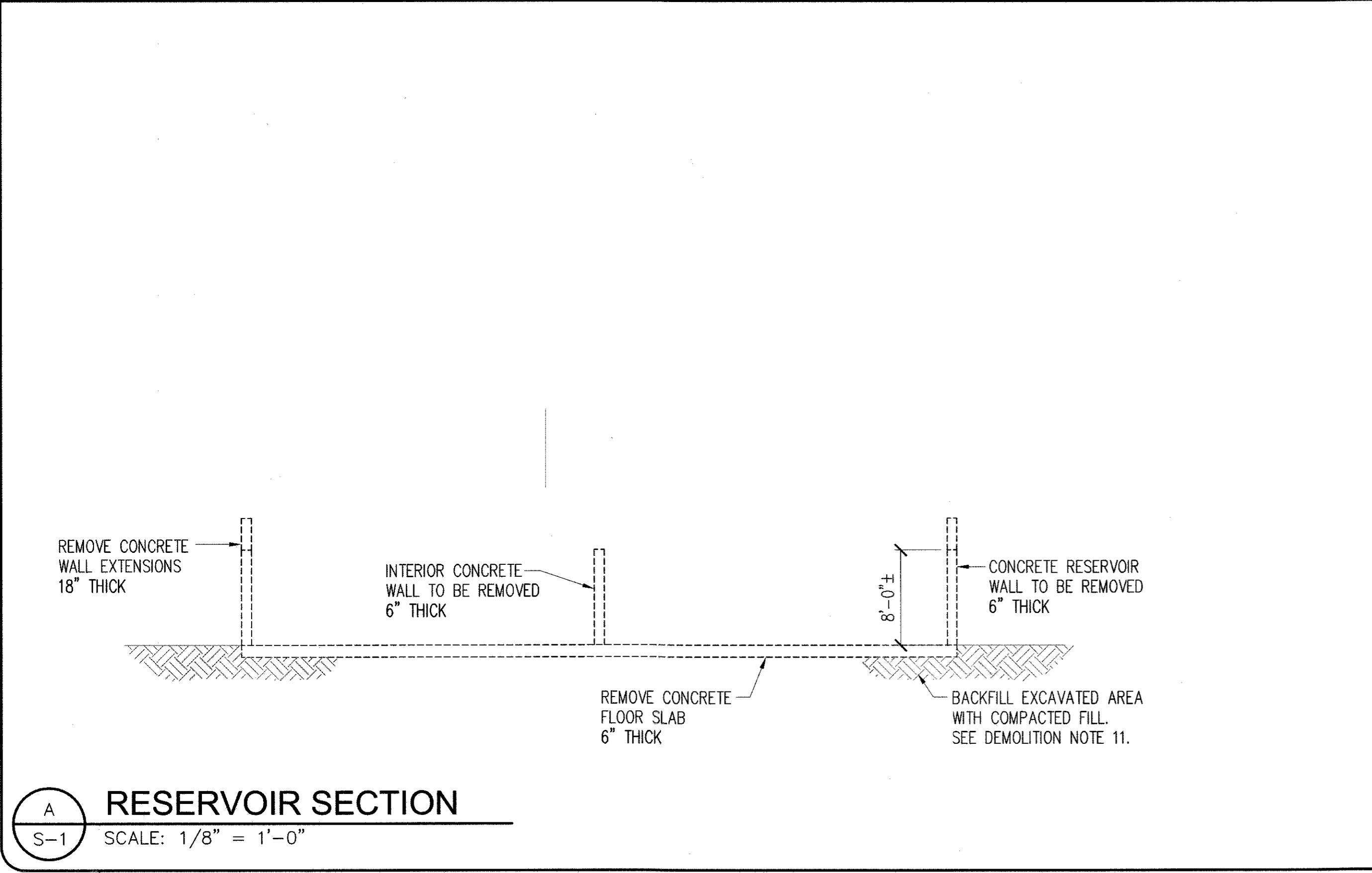
**C-7**

6 OF 8 SHEETS

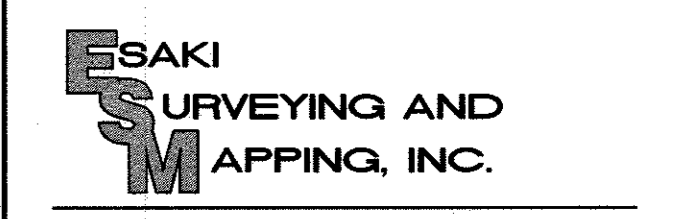
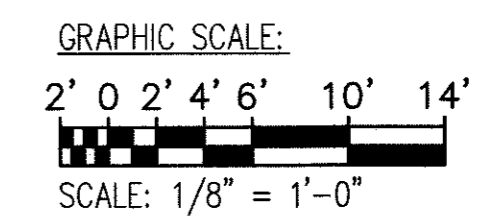


1  
S-1  
**STRUCTURE DEMOLITION PLAN**  
SCALE: 1/8" = 1'-0"

- DEMOLITION NOTES:**
1. REMOVE STRUCTURES, AS NOTED, IN THEIR ENTIRETY INCLUDING FOUNDATIONS.
  2. PROVIDE TEMPORARY SHORING AND/OR SUPPORTS DURING DEMOLITION TO MAINTAIN STRUCTURAL STABILITY TO AVOID SUDDEN COLLAPSE OF STRUCTURE ELEMENTS.
  3. CONDUCT DEMOLITION AND DEBRIS-REMOVAL OPERATIONS TO ENSURE MINIMUM INTERFERENCE WITH ACCESS ROADS, STREETS, AND WALKWAYS.
  4. PROTECT EXISTING FACILITIES AND UTILITIES TO REMAIN FROM DAMAGE DURING DEMOLITION ACTIVITIES. DAMAGE TO FACILITIES AND UTILITIES SHALL BE REPAIRED TO THEIR PRE-DEMOLITION CONDITION, OR BETTER, AT THE CONTRACTOR'S EXPENSE.
  5. THE CONTRACTOR SHALL PROVIDE EFFECTIVE NOISE REDUCTION MEASURES DURING CONSTRUCTION WORK TO PREVENT CONSTRUCTION RELATED NOISE FROM IMPACTING THE RESIDENTS IN THE IMMEDIATE AREA, IN ACCORDANCE WITH CHAPTER 11-46, COMMUNITY NOISE, HAWAII ADMINISTRATIVE RULES.
  6. USE ACCEPTABLE METHODS TO PREVENT THE SPREAD OF DUST AND DEBRIS DURING DEMOLITION WORK IN ACCORDANCE WITH CHAPTER 11-60.1, AIR POLLUTION CONTROL, TITLE 11, HAWAII ADMINISTRATIVE RULES.
  7. THE CONTRACTOR SHALL NOT USE WATER FOR DEBRIS OR DUST CONTROL PURPOSES IF IT RESULTS IN HAZARDOUS OR OBJECTIONABLE CONDITIONS SUCH AS, BUT NOT LIMITED TO, FLOODING OR POLLUTION.
  8. THE USE OF EXPLOSIVES ARE NOT ALLOWED.
  9. THE CONTRACTOR SHALL DISPOSE OF ALL ITEMS BEING REMOVED IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL LAWS.
  10. REMOVE AND TRANSPORT DEBRIS AND RUBBISH IN A MANNER THAT WILL PREVENT SPILLAGE ON PAVEMENTS, STREETS, OR ADJACENT AREAS. CLEAN UP SPILLAGE FROM PAVEMENTS, STREETS, AND ADJACENT AREAS.
  11. BACKFILL EXCAVATION, INCLUDING TRENCHES, SWALE CAVITIES, DEPRESSIONS, AND PITS AFTER DEMOLITION WITH COMPACTED FILL TO ELIMINATE PONDING OF RAIN WATER AND ALLOW TO DRAIN SIMILAR TO SURROUNDING AREA. SEE SPECIAL PROVISIONS FOR BACKFILL MATERIAL REQUIREMENTS.



A  
S-1  
**RESERVOIR SECTION**  
SCALE: 1/8" = 1'-0"



1610 Haleukana Street  
Lihue, Kauai, Hawaii 96766  
Ph. (808) 246-0625 Fax (808) 246-0229

• CIVIL ENGINEERS • SURVEYORS • PLANNERS

REVISION	DATE	DESCRIPTION	BY	APPROVED

REVISIONS

STAMP:

*Jerry S. Fujita*  
EXPIRATION DATE OF THE LICENSE: 1/30/2020  
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION WILL BE UNDER MY OBSERVATION.

PROJECT: JOB NO. 18-07  
**KUKUOLONO EXISTING 0.2 MG TANK DEMOLITION PLAN**  
Tax Map Key: (4) 2-3-05: 06, Por. 02  
Kalaheo, Kauai, Hawaii

PREPARED FOR:  
**Department of Water  
County of Kauai**

**STRUCTURAL DEMOLITION PLAN AND RESERVOIR SECTION**

APPROVED:

*[Signature]*  
COUNTY ENGINEER, DEPT. OF PUBLIC WORKS,  
COUNTY OF KAUAI (FOR WORK WITHIN COUNTY R/W) DATE: 9/19/19

*[Signature]*  
MANAGER & CHIEF ENGINEER, DEPT. OF WATER,  
COUNTY OF KAUAI

DESIGNED BY: *[Signature]*  
DRAWN BY: *C.A.D.*  
DATE: JULY 2019

SHEET  
**S-1**  
8 OF 8 SHEETS

P:\2801-2850\2810 Kukuolono 0.5 MG Concrete Reservoir Addition, Kauai\004 Drawings\Structural\AutoCAD\_format\2019-05-08\_2810 Kukuolono reservoir\2810\_S-1 DEMO PLAN.dwg, 5/15/2019 3:57:30 PM, dyakomizo

**From:** [noreply@superior.com](mailto:noreply@superior.com)  
**To:** [Fujikawa, Eric](#)  
**Subject:** Building Permit Final Fee  
**Date:** Tuesday, October 01, 2019 8:48:17 AM

---



### ProjectDox - Team Mail - Topic attached to project

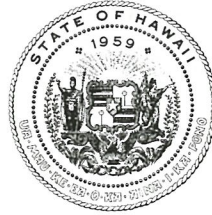
---

Project:	<b>BP19-00001618</b>
Author:	<b>Rona Beal</b>
Subject:	<b>Building Permit Final Fee</b>
Category:	<b>Miscellaneous Issue</b>
<a href="#">Project Access</a>   <a href="#">Topic Access</a>   <a href="#">Login to ProjectDox</a>	

Aloha, In order to receive your permit and begin work, please remit payment in the amount of \$620.00 for the final permit fee. A completed Contractor Statement is also required at the time of payment. Contractor Statement and Payment must be received prior to permit issuance, remit to the County of Kaua'i Building Division to be processed. We accept cash or check as payment. Checks should be made payable to: Director of Finance. Once your permit is issued, the approved job site drawings may be downloaded from the Electronic Plan Review system. Thank you

If you do not have access to the specified folder, please contact the [Project Administrator](#).

DAVID Y. IGE  
GOVERNOR OF HAWAII



STATE OF HAWAII  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
OFFICE OF CONSERVATION AND COASTAL LANDS  
POST OFFICE BOX 621  
HONOLULU, HAWAII 96809

SUZANNE D. CASE  
CHAIRPERSON  
BOARD OF LAND AND NATURAL RESOURCES  
COMMISSION ON WATER RESOURCE MANAGEMENT

ROBERT K. MASUDA  
FIRST DEPUTY

M. KALEO MANUEL  
DEPUTY DIRECTOR - WATER

AQUATIC RESOURCES  
BOATING AND OCEAN RECREATION  
BUREAU OF CONVEYANCES  
COMMISSION ON WATER RESOURCE MANAGEMENT  
CONSERVATION AND COASTAL LANDS  
CONSERVATION AND RESOURCES ENFORCEMENT  
ENGINEERING  
FORESTRY AND WILDLIFE  
HISTORIC PRESERVATION  
KAHO'OLAWE ISLAND RESERVE COMMISSION  
LAND  
STATE PARKS

REF:OCCL:LY

CDUP: KA-3724

Mr. Wayne Wada  
Easki Surveying and Mapping Inc.  
1610 Haleukana Street  
Lihue, HI 96766

SEP 17 2019

SUBJECT: Demolition Plans for the Existing Kukuilono 0.2 MG Tank Located at Kalaheo,  
Kauai, Hawaii  
Tax Map Keys: (4) 2-3-005: portions of 002, 006, and 025

Dear Mr. Wada:

The Office of Conservation and Coastal Lands (OCCL) is in receipt of the demolition plans for the existing Kukuilono 0.2 MG tank as per CDUP KA-3724. Staff has reviewed the plans and found them to be in conformance with the approved permit.

Should you have any questions regarding this correspondence, please contact our Office at (808) 587-0377.

Sincerely,

Samuel J. Lemmo, Administrator  
Office of Conservation and Coastal Lands

C: KDLO  
CoK, Planning Dept.

\*\*\*Please note that record of Approved Plans  
have been retained by our Office\*\*\*

APPROVED

STATE OF HAWAII  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
Office of Conservation and Coastal Lands

BY: [Signature]  
DATE: 09/17/19  
REFERENCE NO. CDUP KA-3724

**From:** [noreply@superion.com](mailto:noreply@superion.com)  
**To:** [Fujikawa, Eric](#)  
**Subject:** Electronic Plan Review Notification for BP19-00001618  
**Date:** Tuesday, October 01, 2019 8:48:59 AM

## Electronic Plan Review Notification Approval



**Please do not reply to this email, it is system generated.**

Aloha FUJIKAWA, ERIC:

Application "BP19-00001618" has passed the plan review process.

In order to receive your permit and begin work, please remit payment for the final permit fee. You may pay in person at the County of Kaua'i Building Department. Payment must be received prior to permit issuance.

Please print this notification to accompany your cash or check payment.

After your permit is issued, the approved job drawings may be downloaded from the Electronic Plan Review System.

Project Name: BP19-00001618  
Project Description: DEMO COMMERCIAL BUILDINGS AND STRUCTURES - DEMO OF  
Task: NotifyApproved

[Login to Electronic Plan Review](#)

**County of Kaua'i**  
**Building Division**  
4444 Rice Street  
Mo'ikeha Building #175  
Lihu'e, Kaua'i, Hawai'i 96766  
808-241-4854