

ADDENDUM NO. 2

COUNTY OF KAUAI
DEPARTMENT OF WATER

PLANS, PROPOSAL, SPECIFICATIONS
CONTRACT AND BOND
FOR

**JOB NO. 02-14, WK-08
KAPA'A HOMESTEADS 325' TANKS,
TWO 0.5 MG TANKS,
PACKAGE B – TANKS PACKAGE,
KAPA'A, KAUAI, HAWAII**

NOTICE TO PROSPECTIVE PROPOSERS

This addendum is hereby made a part of the PLANS, PROPOSAL, SPECIFICATIONS, CONTRACT AND BOND for the subject project and it shall amend the said contract documents in the following respects:

Item 1

Receipt of Questions/Comments/Material Substitutions.

End of Addendum No. 2

If there are any questions, please contact Jason Kagimoto by email at jkagimoto@kauaiwater.org.



Joseph E. "Joe" Tait
Manager and Chief Engineer
July 27, 2023

ACKNOWLEDGEMENT OF RECEIPT OF ADDENDUM NO. 2

Receipt Acknowledged:

Organization

Received by

Date

Title

(Please sign and return this acknowledgement.)

ADDENDUM NO. 2

QUESTION 1: Please provide an engineer's estimate for the value of the contract.

Answer: Please see attached for engineer's estimate.

QUESTION 2: Respectfully request the bid proposal from the first solicitation for this project dated 4/28/23.

Answer: Please complete and submit the "Request To Access A Government Record" form (OIP 1 rev. 12/1/15). Thank you.

QUESTION 3: With reference to part 1 plan sheet C-9, note #9, please confirm all water line connection-related overtime inspection costs will be by the DOW.

Answer: See Sheet C-1, Notes for General Construction, note 10, "Contractor is responsible for all overtime and/or night work payments for County Staff and inspection personnel...."

QUESTION 4: With reference to Offer Schedule item #7, plan sheet C-8, and detail sheet C-19, Conc Walkway Detail, request clarification for apparent detail discrepancy for "AC Walkway..."

Answer: AC walkway shall consist of 2" thick AC pavement(State Mix V) on 6" thick aggregate base course.

QUESTION 5: With reference to plan sheet C-8 callout for Driveway connection to Kaapuni Street, and Offer Schedule, what bid item is this driveway connection work to be paid under?

Answer: Include cost of Driveway connection with Item 8, Cold plane existing AC pavement and resurface with 2-inch thick State Mix V, including replacement of striping and pavement markers, in place complete.

QUESTION 6: With reference made to the material substitution request for the first solicitation, sheets 8 & 9 of 50, is this for bid item #3, "Grass Cell Pavement"? The material substitution request response #1 refers to bid item #4, "12" thick grass cell base".

Answer: Correct material substitution request response #1 is for Bid Item #3, "Grass Cell Pavement".

QUESTION 7: With reference to Offer item #6, and Concrete Header Section, plan sheet C-19, please confirm concrete header dimensions as 6" wide x 8" deep per Offer Schedule.

Answer: Offer schedule, Item 6, revise concrete header dimensions to "...6"x12"...". See Concrete Header Detail on Sheet C-15.

ADDENDUM NO. 2

QUESTION 8: With reference to the first solicitation response #10, please provide offer bid item for ductile iron pipe, class 53, or elaborate which bid item this work is to be included with. Thank-you.

Answer: Include cost in Item 27, 0.5 Million Gallon reinforced concrete reservoir tank, including all appurtenances, in place complete.

QUESTION 9: With reference to the first solicitation response to Question #27, and the project Geotechnical Report, Section 3, Discussion and Recommendations, page 10, 2nd paragraph, please clarify the apparent discrepancy between each document regarding the use of onsite material for trench backfill.

Answer: As indicated in the geotechnical report, the onsite soils are high in moisture content and aeration of the high moisture soils would be required to achieve the required compaction. Therefore, the onsite material may be used for trench backfill provided the material is moisture-conditioned to meet the required compaction requirements.

QUESTION 10: The soils report does not address the overage factor % the contractor should allow for beyond the theoretical concrete volumes for the drilled shafts. Please specify the concrete overage factor for the project (i.e. 25%, 40%, 60%, etc.) so all bidders base their proposals on the same amount. Overage up to the specified % will be included with the bids. We would respectfully suggest a force account item be set up to address quantities in excess of the specified overage.

Answer: Use 40% concrete overage factor.

QUESTION 11: With reference to Special Provision Section SP-1, Section 302.06, subsection "B. Payment", the Geotechnical Report for this project dated 9/30/11, Section 3.3, Site Grading, and Section 3.4, Utility Trench Backfill, and the plan sheet C-28, Waterline Trench Detail, we respectfully request consideration of the addition of an allowance item to cover the potential for mud removal and crush rock trench stabilization. Considering the referenced documents it is clear this work will likely be required. As such it behooves the owner to guarantee that all bidders base their pricing on the same unknown in order to come up with the most competitive pricing.

Answer: No revision to Offer Schedule. Cost for mud removal and crush rock trench stabilization must be included in the appropriate items in the Offer Schedule.

QUESTION 12: With reference to the first solicitation response to Question #32 regarding encountering obstructions during drilling operations, please re-consider adding an allowance item or unit price item to ensure all bidders are assessing risk the same way and thereby providing the most competitive pricing for this job.

Answer: Only man-made objects are considered an obstruction. Natural boulders are not considered obstructions. The chances of encountering an obstruction is limited. No allowance added to Offer Schedule.

ADDENDUM NO. 2

QUESTION 13: We would like to respectfully retract question #8 regarding a bid item for ductile iron pipe class 53, after review of Section Provision Section SP-2, Section 303.06, Subsection "I. Payment", indicating inclusion of ductile iron influent, effluent, overflow, and washout piping with the reinforced concrete reservoir bid item. Thank-you for your patience.

Answer: Confirming that question has been retracted.

QUESTION 14: With reference to Standard Specification Section 302.03.E, Completion of Backfill, and the Project Geotechnical Report dated 9/30/11, section 3.4, 2nd paragraph please clarify the required relative compactive effort (95% versus 85%) when using onsite soils.

Answer: For the trench backfill, the upper portion of the trench backfill from 1-foot above the pipes to the finished subgrade may consist of onsite material compacted to a minimum 85 percent relative compaction for trench depths of 10 feet or less. For deeper trenches, the onsite material should be compacted to a minimum of 90 percent relative compaction.

QUESTION 15: With reference to Offer bid items # 20 & 21, and the project plans, the offer estimated quantities are overstated. Please consider revising these quantities to the true takeoff quantities. Overstating the offer quantities makes the unit costs useless for comparison as the indirect component of the unit price cost will never be realized.

Answer: The quantities are estimated and used for comparing offers.

QUESTION 16: With reference to Offer bid item #34, please confirm that the non-perforated CHDPE pipe will be measured and paid for under this item. Thank-you.

Answer: Confirmed.

QUESTION 17: Please confirm if the wall and column forms may be removed in accordance with ACI 350 for the D110 prestressed concrete alternate tank. Standard industry practice for AWWA D110 Type I tanks, in accordance with ACI 350-06 Section R 6.2, is to remove the wall forms a minimum 12 hours after the completion of the pour and when a minimum concrete compressive strength of 1,200 psi is achieved to ensure that the concrete walls and columns will not sag, deflect or experience damage. This process of form removal has been successfully used on hundreds of prestressed tanks for several decades and is the industry accepted standard on the Big Island, Oahu and Maui.

Answer: The more stringent of ACI 350 and AWWA D110 requirements shall be utilized.

ADDENDUM NO. 2

QUESTION 18: We were unable to locate a specification for the alternate AWWA D110 Type 1 prestressed concrete tank in the contract documents. Please provide a prestressed tank specification to be included as a contract document for bidding purposes. Please note, it is typical in all Counties of Hawaii to include a prestressed tank specification that supersedes the antiquated State Water System Standards for prestressed tanks. We would be happy to provide an example prestressed tank specification from a past project bid in Kauai if requested.

Answer: Prestressed tank walls and roof is a Design-Build Alternate. Contractor must comply with Water System Standards, Section 303.07 modified to meet the requirements of the Design-Build contractor. If Contractor intends to use prestressed tank walls and roof as a Design-Build Alternate, Contractor shall submit complete drawings with installation requirements for the Engineer to review if awarded bid.

QUESTION 19: Special Provisions, Section SP-1 1.6.03 RECORDING REQUIREMENTS F. requires the contractor, after DOW provides review comments to as builts, to provide a hard copy Mylar set of as builts along with as builts in CADD format and PDF format on CD. Please confirm that DOW wants a hard copy Mylar set. Also confirm that DOW will provide the original CADD files to the contractor so that as builts can be developed in CADD.

Answer: Mylar set not required. Original CADD files will be provided to the contractor.

QUESTION 20: Special Provisions, Sections SP-1 1.17.04 SUBMITTAL REQUIREMENTS G. states that the Engineer will have not less than twenty regular working days for examining the drawings. Please provide the maximum time the Engineer will have to review submittals.

Answer: 20 working days.

QUESTION 21: Section SP-13 - DRILLED CONCRETE SHAFT requires a Geolab geotechnical engineer to be present during load testing and installation of drilled shafts. Please confirm that DOW will be paying for the Geolabs geotechnical engineer.

Answer: Confirming that Geolabs geotechnical engineer must be present during load tests and installation of drilled shafts. DOW will pay for Geolabs engineer.

QUESTION 22: Section SP-14 - LANDSCAPING AND IRRIGATION, 14.03 requires that landscaping be maintained a minimum of 90 days after installation until landscaping is established to the satisfaction of the Manager. Is this 90 day maintenance period considered part of the Time of Completion (900 calendar days)?

Answer: 90 day maintenance period is not considered part of the 900 calendar day time to complete the project.

ADDENDUM NO. 2

QUESTION 23: Section SP-21 - Permits:

a. Please confirm that building permits for both tanks are available to be issued as of the approval dates shown in the table in 21.3.03 FEES and no further approvals are pending for the building permits.

b. Please clarify the cost of the Building Permit:

i. Are the Building Permit fees as shown in the table in 21.3.03 (\$9,204 each)?

ii. If not, will the permit fees be per the County of Kauai building & construction permit schedule?

iii. and will the value of the project be based on the value in the Offer Schedule Item No. 27 0.5 Million Gallon....tanks or the value of Total Package B Sum Offer?

Answer: SP-21 provides estimates of permits. Contractor is responsible to pay for all fees and permits required.

IFB Job No. 02-14, WK-08, Addendum No. 2, Question 1

PROJECT: Kapa'a Homestead 325' Tanks, Two 0.5 MG Tanks

February 2023

CLIENT: Kaua'i Department of Water

SUBJECT: OPC - Year 2024

<i>Item</i> No.	Estimated Quantity	Units	Description	Unit Price	Total
1	1	LS	Mobilization & Demobilization. (Not to exceed 6% of the sum of all items excluding proposal price of this item.)	\$540,000	\$540,000
2	540	CY	Site excavation, including clearing and grubbing, demolition, and hauling and disposal of excess material.	\$500	\$270,000
3	1,080	SY	Grass cell pavement, including top soil and seed, in place complete.	\$200	\$216,000
4	1,080	SY	12" thick grass cell base, in place complete.	\$150	\$162,000
5	12	LF	Entry concrete header, including 6" aggregate base course, in place complete.	\$100	\$1,200
6	800	LF	6"x8" concrete header, including 6" aggregate base course, in place complete.	\$60	\$48,000
7	240	SY	Concrete walkway including base course, in place complete.	\$40	\$9,600
8	175	LF	Guardrail along Kawaihau Road, in place complete.	\$150	\$26,250
9	700	SY	Cold plane exist. A.C. pavement and restore pavement with, Hot Mix State Design Mix V, for A.C. walkway, driveway pavement, and roadway pavement, including base and subbase courses, in place complete.	\$280	\$196,000
10	800	LF	6-foot high chain link fence with extension arm and three stands of barbed wire, including DWS 2500 concrete footing, all appurtenances, in place complete.	\$100	\$80,000
11	1	EA	14-foot wide, double-swing 6-foot high chain-link gate topped with extension arm and three strands of barbed wire, including DWS 2500 concrete footing, sign, and all appurtenances, in place complete.	\$10,000	\$10,000
12	1	LS	CRM Wall 1, in place complete.	\$50,000	\$50,000
13	1	LS	CRM wall 2, in place complete,	\$150,000	\$150,000
14	150	LF	18" Corrugated High-Density Polyethylene Drainline, including unclassified trench excavation, backfill, and all appurtenances, in place complete.	\$200	\$30,000
15	90	LF	12" Corrugated High-Density Polyethylene Drainline, including unclassified trench excavation, backfill, and all appurtenances, in place complete.	\$300	\$27,000
16	1	EA	County DPW standard drain inlet, Type G-4, 3.00'-3.99', including unclassified trench excavation and backfill, in place complete.	\$15,000	\$15,000
17	1	EA	County DPW standard drain inlet, Type G-4, 4.00'-4.99', including unclassified trench excavation and backfill, in place complete.	\$16,000	\$16,000

PROJECT: Kapa'a Homestead 325' Tanks, Two 0.5 MG Tanks
 CLIENT: Kaua'i Department of Water
 SUBJECT: OPC - Year 2024

February 2023

<i>Item No.</i>	<i>Estimated Quantity</i>	<i>Units</i>	<i>Description</i>	<i>Unit Price</i>	<i>Total</i>
18	1	EA	County DPW standard drain inlet, Type G-4, 6.00'-6.99', including unclassified trench excavation and backfill, in place complete.	\$17,000	\$17,000
19	1	EA	County DPW standard drain manhole detail C-24 for pavement areas with grated cover, 6.00'-6.99' deep, including unclassified trench excavation and backfill, in place complete.	\$12,000	\$12,000
20	1	EA	County DPW standard drain manhole detail C-24 for pavement areas with grated cover, 7.00'-7.99' deep, including unclassified trench excavation and backfill, in place complete.	\$13,000	\$13,000
21	800	LF	16" Ductile Iron Pipe Waterline; Cl. 52, including unclassified trench excavation, backfill, and all appurtenances, in place complete.	\$750	\$600,000
22	860	LF	12" Ductile Iron Pipe Waterline; Cl. 52, including unclassified trench excavation, backfill, and all appurtenances, in place complete.	\$700	\$602,000
23	2	EA	1" Air/Vacuum Relief Valve including all appurtenances, in place complete.	\$5,000	\$10,000
24	1	LS	Control Valve Assembly 1, including of 6" combination back pressure and solenoid shutoff valve, universal venturi tube with stainless steel body and flange ends, differential pressure transmitter for venturi tube with copper and stainless steel tubings, shut off valves and cocks, stainless steel U-bolt and nuts and mounting bracket, fittings, valves, all appurtenances, control valve assembly boxes with access doors and gravel, excavation and backfill, in place complete.	\$150,000	\$150,000
25	1	LS	Control Valve Assembly 2, including of 6" combination back pressure and solenoid shutoff valve, fittings, valves, all appurtenances, control valve assembly box with access doors and gravel, excavation and backfill, in place complete.	\$50,000	\$50,000
26	1	LS	Control Valve Assembly 3, including of 6" electronic control valve, fittings, valves, all appurtenances, control valve assembly box with access doors and gravel layer, excavation and backfill, in place complete.	\$50,000	\$21,000
27	1	LS	Temporary pressure reducing valve, including 4" pressure reducing valve, 2" bypass, fittings, valves, all appurtenances, valve box with access doors and gravel, excavation and backfill, in place complete.	\$30,000	\$30,000
28	2	EA	0.5 Million Gallon reinforced concrete reservoir tank, including all appurtenances, in place complete. Concrete Caissons for two tanks, in place complete.	\$2,000,000	\$4,000,000
29	34	EA	Shaft Type A (43')-Interior	\$15,000	\$510,000

PROJECT: Kapa'a Homestead 325' Tanks, Two 0.5 MG Tanks
 CLIENT: Kaua'i Department of Water
 SUBJECT: OPC - Year 2024

February 2023

<i>Item No.</i>	<i>Estimated Quantity</i>	<i>Units</i>	<i>Description</i>	<i>Unit Price</i>	<i>Total</i>
30	8	EA	Shaft Type B (56')-Beneath columns	\$18,000	\$144,000
31	36	EA	Shaft Type C (56')-Perimeter	\$18,000	\$648,000
32	2	EA	Load Test	\$100,000	\$200,000
33	2	EA	Tank stairway, including landings, handrails, doors, fencing, locks, and all appurtenances, in place complete.	\$80,000	\$160,000
34	2	EA	Tank level pressure transmitter, including 1-inch single service lateral connection, ball corp, joint coupling, ball stop, reducing bushing and adapters, tee with plug, other fittings, water level pressure transmitter, stainless steel post, base and anchor bolts, for a complete job.	\$14,000	\$28,000
35	540	LF	6-inch corrugated, perforated HDPE drain line, including unclassified trench excavation, backfill, and all appurtenances, in place complete.	\$100	\$54,000
36	1	LS	Connection of New 12" Ductile Iron Waterline to existing 12" Abestos-Cement Waterline at Baseline A Sta. 1+38 (o/s 41.83' RT), including all appurtenances, in place complete.	\$15,000	\$15,000
37	1	LS	Connection of New 12" Ductile Iron Waterline to existing 12" Abestos-Cement Waterline at Baseline A Sta. 0+71.97 (o/s 22.06' RT), including all appurtenances, in place complete.	\$15,000	\$15,000
38	1	LS	Connection of New Ductile Iron 12" to existing 12" Abestos-Cement Waterline at Baseline A Sta. 0+84.58 (o/s 43.64' RT), including all appurtenances, in place complete.	\$15,000	\$15,000
39	1	LS	Connect to existing 6" water line at Baseline A Sta. 2+77 (o/s 3.34' LT), including unclassified excavation, cut and plug, fittings, concrete block with structural strut, temporary cleanout, and all appurtenances, in place complete.	\$15,000	\$15,000
40	1	LS	Connect existing 12" water line at WL A Sta. 4+50.07, including unclassified excavation, fittings, couplings, concrete block with structural strut, valves and valve boxes, temporary cleanout, and all appurtenances, in place complete.	\$15,000	\$15,000
41	1	LS	Connection of New 8" Ductile Iron Waterline to existing 8" Cast Iron Waterline at WL B Sta. (-)0+31.51 (o/s 24.17' RT), including all appurtenances, in place complete.	\$15,000	\$15,000
42	1	LS	Connection of New 12" Ductile Iron Waterline C to Existing 12" Asbestos-Cement Waterline at WL C Sta. (-)1+71.38, including all appurtenances, in place complete.	\$15,000	\$15,000

PROJECT: Kapa'a Homestead 325' Tanks, Two 0.5 MG Tanks
 CLIENT: Kaua'i Department of Water
 SUBJECT: OPC - Year 2024

February 2023

<i>Item No.</i>	<i>Estimated Quantity</i>	<i>Units</i>	<i>Description</i>	<i>Unit Price</i>	<i>Total</i>
43	1	LS	Connection of New 12" Ductile Iron Waterline C to Existing 12" Ductile Iron Waterline at WL C Sta. (-)1+12.92, including all appurtenances, in place complete.	\$15,000	\$15,000
44	1	LS	Connection of New 12" Ductile Water Line F to Existing 12" Asbestos-Cement Waterline at WL F Sta. 1+73.39, including all appurtenances, in place complete.	\$15,000	\$15,000
45	1	LS	Chlorination and flushing of water system, including removal of temporary risers and incidental work, all in accordance with the specifications.	\$80,000	\$80,000
46	1	LS	Furnish and install electrical equipment, and wiring, including but not limited to trenching and backfill, pullboxes, power, control and instrumentation ducts, cables, junction boxes, connections to power, control and instrumentation devices, painting, testing, and all appurtenant electrical work in place complete and in accordance with the plans and specifications.	\$250,000	\$250,000
47	1	LS	SCADA system, including but not limited to software programming of existing RTU; modifications to existing master SCADA; and all appurtenant SCADA work; in place complete, and accordance with the plans and specifications, ready for operation.	\$50,000	\$50,000
48	1	LS	Install Landscaping plan including 90-day maintenance period.	\$60,000	\$60,000
			Subtotal		\$9,671,050
			Contingency @ 20%		\$1,934,210
			Subtotal		\$11,605,260
			Escalation to 2024 @ 1.50%		\$5,802,630.00
			TOTAL	SAY	\$17,500,000

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. 02-14 WK-08, KAPA‘A HOMESTEADS 325’ TANKS, TWO 0.5 MG TANKS,
PACKAGE B – TANKS PACKAGE, KAPAA, 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. 02-14 WK-08, KAPA‘A HOMESTEADS 325’ TANKS, TWO 0.5 MG TANKS, PACKAGE B – TANKS PACKAGE, KAPA‘A, KAUA‘I, HAWAI‘I

ITEM NO.	ESTIMATED QUANTITY	U/M	DESCRIPTION	UNIT PRICE	TOTAL
1	1	LS	Mobilization & Demobilization (Not to exceed 6% of the sum of all items excluding Lump Sum Offer of this item)		\$
2	540	CY	Site excavation, including clearing and grubbing, demolition, and hauling and disposal of excess material.	\$	\$
3	1,080	SY	Grass cell pavement, including top soil and seed, in place complete.	\$	\$
4	1,080	SY	12” thick grass cell base, in place complete.	\$	\$
5	12	LF	Entry concrete header, including 6” aggregate base course, in place complete.	\$	\$
6	800	LF	6”x12” concrete header, including 6” aggregate base course, in place complete.	\$	\$
7	240	SY	AC walkway including base course, in place complete.	\$	\$
8	700	SY	Cold plane existing AC pavement and resurface with 2-inch thick State Mix V, including replacement of striping and pavement markers, in place complete.	\$	\$
9	730	LF	6-foot high chain-link fence topped with extension arm and three strands of barbed wire, including DWS 2500 concrete footing and all appurtenances, in place complete.	\$	\$
10	1	EA	14-foot wide, double-swing 6-foot high chain-link gate topped with extension arm and three strands of barbed wire, including DWS 2500 concrete footing, sign, and all appurtenances, in place complete.	\$	\$
11	1	LS	CRM Wall 1, in place complete.		\$
12	1	LS	CMU Wall 2, in place complete.		\$
13	150	LF	18” Corrugated High-Density Polyethylene Drainline, including unclassified trench excavation, backfill, and all appurtenances, in	\$	\$

ITEM NO.	ESTIMATED QUANTITY	U/M	DESCRIPTION	UNIT PRICE	TOTAL
			place complete.		
14	90	LF	12" Corrugated High-Density Polyethylene Drainline, including unclassified trench excavation, backfill, and all appurtenances, in place complete.	\$	\$
15	1	EA	County DPW standard drain inlet, Type G-4, 3.00'-3.99', including unclassified trench excavation and backfill, in place complete.	\$	\$
16	1	EA	County DPW standard drain inlet, Type G-4, 4.00'-4.99', including unclassified trench excavation and backfill, in place complete.	\$	\$
17	1	EA	County DPW standard drain inlet, Type G-4, 6.00'-6.99', including unclassified trench excavation and backfill, in place complete.	\$	\$
18	1	EA	County DPW standard drain manhole detail C-24 for pavement areas with grated cover, 6.00'-6.99' deep, including unclassified trench excavation and backfill, in place complete.	\$	\$
19	1	EA	County DPW standard drain manhole detail C-24 for pavement areas with grated cover, 7.00'-7.99' deep, including unclassified trench excavation and backfill, in place complete.	\$	\$
20	800	LF	16" Ductile Iron Pipe Waterline; Cl. 52, including unclassified trench excavation, backfill, and all appurtenances, in place complete.	\$	\$
21	860	LF	12" Ductile Iron Pipe Waterline; Cl. 52, including unclassified trench excavation, backfill, and all appurtenances, in place complete.	\$	\$
22	2	EA	1" Air/Vacuum Relief Valve including all appurtenances, in place complete.	\$	\$
23	1	LS	Control Valve Assembly 1, including 6" combination back pressure and solenoid shutoff valve, universal venturi tube with stainless steel body and flange ends, differential pressure transmitter for venturi tube with copper and stainless steel tubings, shut off valves and cocks, stainless steel U-bolt and nuts and mounting		\$

ITEM NO.	ESTIMATED QUANTITY	U/M	DESCRIPTION	UNIT PRICE	TOTAL
			bracket, fittings, valves, all appurtenances, control valve assembly boxes with access doors and gravel, excavation and backfill, in place complete.		
24	1	LS	Control Valve Assembly 2, including 6" combination back pressure and solenoid shutoff valve, fittings, valves, all appurtenances, control valve assembly box with access doors and gravel, excavation and backfill, in place complete.		\$
25	1	LS	Control Valve Assembly 3, including 6" altitude valve, fittings, valves, all appurtenances, control valve assembly box with access doors and gravel layer, excavation and backfill, in place complete.		\$
26	1	LS	Temporary pressure reducing valve, including 4" pressure reducing valve, 2" bypass, fittings, valves, all appurtenances, valve box with access doors and gravel, excavation and backfill, in place complete.		\$
27	2	EA	0.5 Million Gallon reinforced concrete reservoir tank, including all appurtenances, in place complete.	\$	\$
28	34	EA	Shaft Type A (43') – Interior	\$	\$
29	8	EA	Shaft Type B (56') – Beneath columns	\$	\$
30	36	EA	Shaft Type C (56') – Perimeter	\$	\$
31	1	EA	Load Test	\$	\$
31a	1	EA	75 Foot Test Shaft, see Sheet B-1 for detail	\$	\$
32	2	EA	Tank stairway, including landings, handrails, doors, fencing, locks, and all appurtenances, in place complete.	\$	\$
33	2	EA	Tank level pressure transmitter, including 1-inch single service lateral connection, ball corp, joint coupling, ball stop, reducing bushing and adapters, tee with plug, other fittings, water level pressure transmitter, stainless steel post, base and anchor bolts, for a complete job.	\$	\$
34	540	LF	6-inch corrugated, perforated HDPE drain line, including unclassified trench excavation,	\$	\$

ITEM NO.	ESTIMATED QUANTITY	U/M	DESCRIPTION	UNIT PRICE	TOTAL
			backfill, and all appurtenances, in place complete.		
35	1	LS	Connection of New 12" Ductile Iron Waterline to Existing 12" Asbestos-Cement Waterline at Baseline A Sta. 1+38 (o/s 41.83' RT), including all appurtenances, in place complete.		\$
36	1	LS	Connection of New 12" Ductile Iron Waterline to Existing 12" Asbestos-Cement Waterline at Baseline A Sta. 0+71.97 (o/s 22.06' RT), including all appurtenances, in place complete.		\$
37	1	LS	Connection of New 12" Ductile Iron Waterline to Existing 12" Asbestos-Cement Waterline at Baseline A Sta. 0+84.58 (o/s 43.64' RT), including all appurtenances, in place complete.		\$
38	1	LS	Connect to Existing 6" Waterline at Baseline A Sta. 2+77 (o/s 3.34' LT), including unclassified excavation, cut and plug, fittings, concrete block with structural strut, temporary cleanout, and all appurtenances, in place complete.		\$
39	1	LS	Connect to Existing 12" Waterline at WL A Sta. 4+50.07, including unclassified excavation, fittings, couplings, concrete block with structural strut, valves and valve boxes, temporary cleanout, and all appurtenances, in place complete.		\$
40	1	LS	Connection of New 8" Ductile Iron Waterline to Existing 8" Cast Iron Waterline at WL B Sta. (-)0+31.51 (o/s 24.17' RT), including all appurtenances, in place complete.		\$
41	1	LS	Connection of New 12" Ductile Iron Waterline to Existing 12" Asbestos-Cement Waterline at WL C Sta.(-)1+71.38, including all appurtenances, in place complete.		\$
42	1	LS	Connection of New 12" Ductile Iron Waterline C to Existing 12" Ductile Iron Waterline at WL C Sta. (-)1+12.92, including all appurtenances, in place complete.		\$
43	1	LS	Connection of New 12" Ductile Iron Waterline F to Existing 12" Asbestos-Cement Waterline at		\$

ITEM NO.	ESTIMATED QUANTITY	U/M	DESCRIPTION	UNIT PRICE	TOTAL
			WL F Sta. 1+73.39, including all appurtenances, in place complete.		
44	1	LS	Chlorination and flushing of water system, including removal of temporary risers and incidental work, all in accordance with the specifications.		\$
45	1	LS	Furnish and install electrical equipment and wiring, including but not limited to trenching and backfill, pullboxes, power, control and instrumentation ducts, cables, junction boxes, connections to power, control and instrumentation devices, painting, testing, and all appurtenant electrical work in place complete and in accordance with the plans and specifications.		\$
46	1	LS	SCADA system, including but not limited to software programming of existing RTU; modifications to existing master SCADA; and all appurtenant SCADA work; in place complete, and in accordance with the plans and specifications, ready for operation.		\$
TOTAL PACKAGE B SUM OFFER (Items 1 to 46 inclusive)					\$

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/ 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
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		



HP Description

Manufacturer/Supplier Class

Signs—traffic, regulatory and construction

Soil amendments, mulch, compost

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		
	NACE Inspector		
*			
*			
*			

* 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 **Nine Hundred (900)** 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 **\$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
_____	_____
_____	_____

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.

