

DEPARTMENT OF HAWAIIAN HOME LANDS
STATE OF HAWAII

MARCH 23, 2012

ADDENDUM NO. 3

TO
PLANS, BID FORM, SPECIFICATIONS, CONTRACT AND BOND
FOR

LALAMILO HOUSING PHASE 2A, INCREMENT 1, (PART I) AND
LALAMILO HOUSING PHASE 2A, KAWAIHAE ROAD IMPROVEMENTS
AT SOUTH KOHALA DISTRIBUTION ROAD (PART II)
(IFB-12-HHL-008)

WAIMEA, SOUTH KOHALA, ISLAND OF HAWAII, HAWAII

TAX MAP KEY: 3-6-6-01: 10 & 77

NOTICE TO ALL PROSPECTIVE BIDDERS

This addendum is hereby made a part of the PLANS, BID FORM, SPECIFICATIONS, CONTRACT AND BOND for the LALAMILO HOUSING PHASE 2A, INCREMENT 1 (PART I) AND LALAMILO HOUSING PHASE 2A, KAWAIHAE ROAD IMPROVEMENTS AT SOUTH KOHALA DISTRIBUTION ROAD (PART II), WAIMEA, SOUTH KOHALA, ISLAND OF HAWAII, HAWAII, and it shall amend the said contract documents as detailed within this Addendum document.

APPROVED:



Albert "Alapaki" Nahale-A, Chairman
Hawaiian Homes Commission

Date March 23, 2012

Please detach, execute, and return immediately, the receipt below, to the Department of Hawaiian Home Lands, P. O. Box 1879, Honolulu, HI 96805, or transmit facsimile to (808) 620-9299.

Receipt of Addendum No. 3 for the LALAMILO HOUSING PHASE 2A, INCREMENT 1 (PART I) AND LALAMILO HOUSING KAWAIHAE ROAD IMPROVEMENTS AT SOUTH KOHALA DISTRIBUTION ROAD (PART II), WAIMEA, SOUTH KOHALA, ISLAND OF HAWAII, HAWAII, is hereby acknowledged.

Signed _____

Title _____

Firm _____

Date _____

ADDENDUM NO. 3

March 23, 2012

To Plans, Bid Form, Specifications, Contract and Bond Documents

for

**Lalamilo Housing Phase 2A, Increment 1, (Part I) and
Lalamilo Housing Phase 2A, Kawaihae Road Improvements at
South Kohala Distribution Road (Part II)**

Waimea, South Kohala, Hawaii

IFB No.: IFB-12-HHL-008

ITEM NO. 1 PRE-BID MEETING MINUTES AND REPLIES TO QUESTIONS.

1. A **mandatory** Pre-bid meeting was held at the Department of Hawaiian Home Lands – West Hawaii District Office on February 28, 2012 including a site visit. See Addendum No. 1 for meeting minutes and the meeting attendance sheet.

ITEM NO. 2 TABLE OF CONTENTS.

1. Remove the “TABLE OF CONTENTS” and replace with the attached “**TABLE OF CONTENTS**” **ADDENDUM NO. 3 (March 23, 2012)**. The following changes are as follows:
 - a. In section “STATE AND FEDERAL WAGE RATE SCHEDULE”, change page numbers from “1-18” to “**1-31**”.
 - b. In section “CONTRACTOR’S SUBMITTAL”, change “BID FORM” page numbers from “1-65” to “**1-66**”.

ITEM NO. 3 STATE AND FEDERAL WAGE RATE SCHEDULE.

1. Remove the “STATE AND FEDERAL WAGE RATE SCHEDULE” and replace with the attached “**STATE AND FEDERAL WAGE RATE SCHEDULE**” **ADDENDUM NO. 3 (March 23, 2012)**.

ITEM NO. 4 CONTRACTOR’S SUBMITTAL – BID FORM.

1. Delete the “BID FORM” in its entirety and replace with the attached “**BID FORM**” **ADDENDUM NO. 3 (MARCH 23, 2012)**.

ITEM NO. 5 CLARIFICATION TO REQUEST FOR INFORMATION.

1. Please see attached **ADDENDUM NO. 3 (March 23, 2012) ADDITIONAL QUESTIONS**.

ITEM NO.6 SANDWICH ISLES COMMUNICATIONS, INC. (SIC)
MISCELLANEOUS SIC CONSTRUCTION NOTES CLARIFICATION

1. SIC is providing the following clarifications to the SIC Construction Notes, listed in the PLANS, DWG. No. E-4:
 - a. All Sandwich Isles Communications, Inc (SIC) underground conduits necessary for this project shall be Schedule 40 PVC.
 - b. SIC Construction Notes, "CONDUITS" section, Note #2 refers to SIC's long-haul fiber optic duct line consisting of multiple 1.5 inch SDR-11 ducts. This type of duct does not pertain to this project.
 - c. As stated in SIC Construction Notes, "CONDUITS" section, Note #6, the Contractor shall provide Tyco, Quadplex Duct Seals (Series 136) with necessary Hole Plugs for all (4) four inch ducts. All ducts smaller than (4) four inches in diameter shall be sealed with Tyco, Blank Jackmoon Plugs

ITEM NO. 7 CONSTRUCTION DRAWINGS

1. Delete Drawings (below), and replace with the revised Drawings "ADDENDUM NO. 3" dated (March 23, 2012) (Revision 2):

Drawing No.	Sheet No.	Description
C-6	7	General Layout Plan - 2
		Revised water lateral from Type "C-1" to Type "A".
C-7	8	Mass Grading Plan - 1
		Added 2418 contour and revised earthwork summary.
C-9	10	Mass Grading Plan - 3
		Added 2418 contour.
C-12	13	Demolition Plan
		Revised installation and removal of fencing.
C-19	20	Plan and Profile Road "E" STA. 0+00 to END
		Revised water lateral from Type "C-1" to Type "A".

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State of Hawaii
DEPARTMENT OF LABOR AND INDUSTRIAL RELATIONS
Princess Ruth Ke'elikolani Building
830 Punchbowl Street
Honolulu, Hawaii 96813

February 20, 2012
WAGE RATE SCHEDULE BULLETIN NO. 478

This schedule of wage rates contained herein is recognized by the Director of Labor and Industrial Relations to be prevailing on public construction work for the purposes of Chapter 104, Hawaii Revised Statutes. The schedule of wage rates determines the applicable wage determination for each classification and does not impose any staffing requirements for any classification. The schedule of wage rates is applicable only to those laborers and mechanics employed at the site of work.

As required by law, future wage rates for laborers and mechanics are incorporated into this bulletin based on available information and are subject to change. Whenever the Director determines that the prevailing wage has increased as shown in the wage rate schedule, the contractor must increase the wages accordingly during the performance of the contract. For addenda or additional wage rate schedules, please consult the Internet at <http://hawaii.gov/labor/rs>.

The Apprentice Schedule is available on the Internet or upon request from the Research and Statistics Office. Pursuant to Section 12-22-6 (1), Hawaii Administrative Rules, the Apprentice Schedule is applicable only to apprentices who are parties to apprenticeship agreements registered with or recognized by the Department of Labor and Industrial Relations.

Questions on the schedule should be referred to the Research and Statistics Office at (808) 586-9019.

The next regular schedule will be issued on or about September 15, 2012.

DWIGHT TAKAMINE
Director



STATE OF HAWAII
NEIL ABERCROMBIE, Governor

DEPARTMENT OF LABOR AND INDUSTRIAL RELATIONS
DWIGHT TAKAMINE, Director
AUDREY HIDANO, Deputy Director

RESEARCH AND STATISTICS OFFICE
FRANCISCO P. CORPUZ, Research & Statistics Officer

OPERATIONS MANAGEMENT INFORMATION STAFF
Elienne Yoshida, Supervisor
Myra Oshiro

In cooperation with:
WAGE STANDARDS DIVISION
RUSSELL HORIKAWA, Acting Administrator

WAGE RATE SCHEDULE BULLETIN NO. 478

Classification	Current			2012			2013			2014			Remarks See Pg 6-7
	Prevailing Wage Total	Basic Hourly Rate	Fringe Hourly Rate	Prevailing Wage Total	Basic Hourly Rate	Fringe Hourly Rate	Prevailing Wage Total	Basic Hourly Rate	Fringe Hourly Rate	Prevailing Wage Total	Basic Hourly Rate	Fringe Hourly Rate	
ASPHALT PAVING GROUP:	9/19/11	\$62.99	\$26.42										
Asphalt Concrete Material Transfer	\$62.99	\$36.57	\$26.42										
Asphalt Raker	\$62.03	\$35.61	\$26.42										
Asphalt Spreader Operator	\$63.51	\$37.09	\$26.42										
Laborer, Hand Roller	\$59.26	\$32.84	\$26.42										
Roller Operator (5 tons and under)	\$61.76	\$35.34	\$26.42										
Roller Operator (over 5 tons)	\$63.19	\$36.77	\$26.42										
Screed Person	\$62.99	\$36.57	\$26.42										
EQUIPMENT OPERATOR:													
Combination Loader/Backhoe (over 3/4 cu. yd.)	\$62.03	\$35.61	\$26.42										
Combination Loader/Backhoe (up to 3/4 cu. yd.)	\$61.05	\$34.63	\$26.42										
Concrete saws and/or Grinder (self-propelled unit on streets, highways, airports and canals)	\$62.99	\$36.57	\$26.42										
Grader, Soil Stabilizer, Cold Planer	\$63.82	\$37.40	\$26.42										
Loader (2-1/2 cu. yds. and under)	\$62.99	\$36.57	\$26.42										
Loader (over 2-1/2 cu. yds. to and including 5 cu. yds.)	\$63.31	\$36.89	\$26.42										
TRUCK DRIVER:													
Assistant to Engineer	\$61.76	\$35.34	\$26.42										
Oil Tanker (double), Hot Liquid Asphalt Tanker	\$63.31	\$36.89	\$26.42										
Semi-Trailer, Semi-Dump, Asphalt Distributor	\$62.99	\$36.57	\$26.42										
Slip-in or Pup	\$63.31	\$36.89	\$26.42										
Single or Rock Cans Tandem Dump Truck (8 cu. yds. & under, water level)	\$62.03	\$35.61	\$26.42										
Single or Rock Cans Tandem Dump Truck (over 8 cu. yds., water level)	\$62.34	\$35.92	\$26.42										
Tractor Trailer (hauling equipment)	\$63.42	\$37.00	\$26.42										
Utility, Flatbed	\$61.76	\$35.34	\$26.42										
* BOILERMAKER	2/20/12	\$60.38	\$26.68										12
CARPENTER:	9/19/11			8/27/12			8/26/13						
Carpenter; Patent Scaffold Erector (Over 14 feet); Piledriver; Pneumatic Nailer	\$57.62	\$38.00	\$19.62	\$59.07	\$39.25	\$19.82	\$60.57	\$40.50	\$20.07	-	-	-	1,12
Millwright	\$57.87	\$38.25	\$19.62	\$59.32	\$39.50	\$19.82	\$60.82	\$40.75	\$20.07	-	-	-	1,12
Power Saw Operator (2 h.p. & above)	\$57.77	\$38.15	\$19.62	\$59.22	\$39.40	\$19.82	\$60.72	\$40.65	\$20.07	-	-	-	1,12
CEMENT FINISHER:	8/29/11			9/3/12			9/2/13						
Cement Finisher; Curb Setter; Precast Panel Setter; Manhole Builder	\$56.47	\$33.85	\$22.62	\$58.22	\$35.30	\$22.92	\$59.77	\$36.80	\$22.97	-	-	-	2,12
Trowel Machine Operator	\$56.62	\$34.00	\$22.62	\$58.37	\$35.45	\$22.92	\$59.92	\$36.95	\$22.97	-	-	-	2,12
CHLORINATOR	9/19/11												
	\$27.13	\$25.73	\$1.40										

WAGE RATE SCHEDULE BULLETIN NO. 478

Classification	Current						2012						2013						2014						Remarks See Pg 6-7
	Prevailing Wage Total	Basic Hourly Rate	Fringe Hourly Rate	Prevailing Wage Total	Basic Hourly Rate	Fringe Hourly Rate	Prevailing Wage Total	Basic Hourly Rate	Fringe Hourly Rate	Prevailing Wage Total	Basic Hourly Rate	Fringe Hourly Rate	Prevailing Wage Total	Basic Hourly Rate	Fringe Hourly Rate	Prevailing Wage Total	Basic Hourly Rate	Fringe Hourly Rate							
DIVER:																									
Diver (Aqua Lung) (Scuba) - Up to a depth of 30 feet	9/19/11 \$74.67	\$49.38	\$25.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	
Diver (Aqua Lung) (Scuba) - Over a depth of 30 feet	\$84.04	\$58.75	\$25.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12		
Stand-By Diver (Aqua Lung) (Scuba)	\$65.29	\$40.00	\$25.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,12		
Diver (Other than Aqua Lung)	\$84.04	\$58.75	\$25.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,12		
Stand-By Diver (Other than Aqua Lung)	\$65.29	\$40.00	\$25.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12		
Tender (Other than Aqua Lung)	\$62.26	\$36.97	\$25.29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
DRAPERY INSTALLER																									
	9/19/11 \$18.75	\$15.71	\$3.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
DRYWALL INSTALLER																									
	9/19/11 \$57.87	\$38.25	\$19.62	\$59.32	\$39.50	\$19.82	\$60.82	\$40.75	\$20.07	-	-	-	-	-	-	-	-	-	-	-	-	-	12		
*ELECTRICIAN: (Note 2 increases per year)																									
Cable Splicer (inside/outside)	2/20/12 \$70.83	\$44.61	\$26.22	8/26/12 \$71.37	\$44.94	\$26.43	2/17/13 \$71.67	\$45.27	\$26.40	2/23/14 \$73.34	\$46.09	\$27.25											4		
Ground Worker (outside)	\$52.30	\$30.41	\$21.89	\$52.70	\$30.64	\$22.06	\$52.85	\$30.86	\$21.99	\$54.20	\$31.43	\$22.77											4		
Heavy Equipment Operator (outside)	\$60.25	\$36.50	\$23.75	\$60.70	\$36.77	\$23.93	\$60.92	\$37.04	\$23.88	\$62.40	\$37.71	\$24.69											4		
Line Installer (outside), Wire Installer (inside)	\$65.54	\$40.55	\$24.99	\$66.03	\$40.85	\$25.18	\$66.29	\$41.15	\$25.14	\$67.88	\$41.90	\$25.98											4		
Technician (inside/outside)	\$67.13	\$41.77	\$25.36	\$67.63	\$42.08	\$25.55	\$67.91	\$42.38	\$25.53	\$69.52	\$43.16	\$26.36											4		
Cable Splicer (inside/outside)	-	-	-	-	-	-	8/25/13 \$72.60	\$45.71	\$26.89	8/24/14 \$74.27	\$46.53	\$27.74											4		
Ground Worker (outside)	-	-	-	-	-	-	\$53.59	\$31.16	\$22.43	\$54.94	\$31.73	\$23.21											4		
Heavy Equipment Operator (outside)	-	-	-	-	-	-	\$61.75	\$37.40	\$24.35	\$63.22	\$38.07	\$25.15											4		
Line Installer (outside), Wire Installer (inside)	-	-	-	-	-	-	\$67.17	\$41.55	\$25.62	\$68.75	\$42.30	\$26.45											4		
Technician (inside/outside)	-	-	-	-	-	-	\$68.79	\$42.80	\$25.99	\$70.40	\$43.57	\$26.83											4		
Telecommunication Worker																									
Licensed Technician	2/20/12 \$35.75	\$25.09	\$10.66	9/1/12 \$36.15	\$25.35	\$10.80	9/1/13 \$37.04	\$25.60	\$11.44	-	-	-													
Technician I / Splicer	\$34.37	\$23.90	\$10.47	\$34.75	\$24.14	\$10.61	\$35.63	\$24.38	\$11.25	-	-	-													
*ELEVATOR CONSTRUCTOR MECHANIC																									
	2/20/12 \$74.165	\$50.63	\$23.535	-	-	-	-	-	-	-	-	-													
EQUIPMENT OPERATOR:																									
	9/19/11																								
Group 1	\$59.98	\$34.69	\$25.29	-	-	-	-	-	-	-	-	-											5,12		
Group 2	\$60.09	\$34.80	\$25.29	-	-	-	-	-	-	-	-	-											5,12		
Group 3	\$60.26	\$34.97	\$25.29	-	-	-	-	-	-	-	-	-											5,12		
Group 4	\$60.53	\$35.24	\$25.29	-	-	-	-	-	-	-	-	-											5,12		
Group 5	\$60.84	\$35.55	\$25.29	-	-	-	-	-	-	-	-	-											5,12		
Group 6	\$61.49	\$36.20	\$25.29	-	-	-	-	-	-	-	-	-											5,12		
Group 7	\$61.81	\$36.52	\$25.29	-	-	-	-	-	-	-	-	-											5,12		
Group 8	\$61.92	\$36.63	\$25.29	-	-	-	-	-	-	-	-	-											5,12		
Group 9	\$62.03	\$36.74	\$25.29	-	-	-	-	-	-	-	-	-											5,12		
Group 9A	\$62.26	\$36.97	\$25.29	-	-	-	-	-	-	-	-	-											5,12		
Group 10	\$62.32	\$37.03	\$25.29	-	-	-	-	-	-	-	-	-											5,12		
Group 10A	\$62.47	\$37.18	\$25.29	-	-	-	-	-	-	-	-	-											5,12		
Group 11	\$62.62	\$37.33	\$25.29	-	-	-	-	-	-	-	-	-											5,12		
Group 12	\$62.98	\$37.69	\$25.29	-	-	-	-	-	-	-	-	-											5,12		
Group 12A	\$63.34	\$38.05	\$25.29	-	-	-	-	-	-	-	-	-											5,12		

WAGE RATE SCHEDULE BULLETIN NO. 478

Classification	Current			2012			2013			2014			Remarks See Pg 6-7
	Prevailing Wage Total	Basic Hourly Rate	Fringe Hourly Rate	Prevailing Wage Total	Basic Hourly Rate	Fringe Hourly Rate	Prevailing Wage Total	Basic Hourly Rate	Fringe Hourly Rate	Prevailing Wage Total	Basic Hourly Rate	Fringe Hourly Rate	
[FENCE ERECTOR (CHAIN-LINK TYPE)]													
	12/26/11	\$20.87	\$15.00	\$5.87									
	9/19/11	\$49.10	\$28.12	\$20.98	2/26/12	\$50.35	\$28.89	\$21.46					12
	9/19/11	\$56.27	\$32.05	\$24.22									6
[HELICOPTER WORK:]													
Airborne Hoist Operator	9/19/11	\$63.84	\$38.55	\$25.29									12
Co-Pilot		\$63.98	\$38.69	\$25.29									12
Pilot		\$64.15	\$38.86	\$25.29									12
*[INSULATOR]													
	9/19/11	\$59.45	\$36.65	\$22.80			3/3/13	\$61.05	\$37.65	\$23.40			7
	9/1/11	\$61.76	\$33.75	\$28.01									8
[IRONWORKER:]													
Reinforcing, Structural													
	8/29/11	\$47.21	\$31.30	\$15.91	9/3/12	\$48.26	\$32.30	\$15.96	9/2/13	\$49.26	\$33.30	\$15.96	1
Driller		\$46.71	\$30.80	\$15.91		\$47.76	\$31.80	\$15.96		\$48.76	\$32.80	\$15.96	1
Gunite Operator		\$46.71	\$30.80	\$15.91		\$47.76	\$31.80	\$15.96		\$48.76	\$32.80	\$15.96	1
High Scaler (Working Suspended)		\$46.21	\$30.30	\$15.91		\$47.26	\$31.30	\$15.96		\$48.26	\$32.30	\$15.96	1
Laborer I		\$43.61	\$27.70	\$15.91		\$44.66	\$28.70	\$15.96		\$45.66	\$29.70	\$15.96	1
Laborer II		\$33.17	\$21.70	\$11.47		\$34.37	\$22.70	\$11.67		\$35.47	\$23.70	\$11.77	1
Light Clean-up (Janitorial) Laborer		\$47.21	\$31.30	\$15.91		\$48.26	\$32.30	\$15.96		\$49.26	\$33.30	\$15.96	1
Powder Blaster													
Window Washer (Outside) (On bosun's chair, cable-suspended scaffold or work platform)		\$45.71	\$29.80	\$15.91		\$46.76	\$30.80	\$15.96		\$47.76	\$31.80	\$15.96	
*[LANDSCAPER:]													
	8/29/11	\$30.22	\$21.70	\$8.52	9/3/12	\$31.14	\$22.15	\$8.99	9/2/13	\$32.16	\$22.65	\$9.51	
Landscape & Irrigation Laborer A		\$30.72	\$22.20	\$8.52		\$31.64	\$22.65	\$8.99		\$32.66	\$23.15	\$9.51	\$10.11
Landscape & Irrigation Laborer B		\$26.72	\$18.20	\$8.52		\$27.64	\$18.65	\$8.99		\$28.66	\$19.15	\$9.51	\$10.11
Landscape & Irrigation Maintenance Laborer													
[LA THER]													
	9/19/11	\$57.87	\$38.25	\$19.62	8/27/12	\$59.32	\$39.50	\$19.82	8/26/13	\$60.82	\$40.75	\$20.07	12
	8/29/11	\$56.52	\$33.90	\$22.62	9/3/12	\$58.27	\$35.35	\$22.92	9/2/13	\$59.82	\$36.85	\$22.97	2,12
[MASON; Bricklayer;]													
Cement Blocklayer; Stone Mason; Precast Sill Setter		\$56.77	\$34.15	\$22.62		\$58.52	\$35.60	\$22.92		\$60.07	\$37.10	\$22.97	2,12
Pointer-Caulker-Weatherproof													
[PAINTER:]													
	1/1/12	\$58.40	\$33.60	\$24.80	7/1/12	\$59.15	\$34.10	\$25.05					12
Painter; Spray Painter; Sandblaster or Waterblaster													
[PLASTERER]													
	8/29/11	\$57.31	\$34.69	\$22.62	9/3/12	\$59.06	\$36.14	\$22.92	9/2/13	\$60.61	\$37.64	\$22.97	2,12

WAGE RATE SCHEDULE BULLETIN NO. 478

Classification	Current			2012			2013			2014			Remarks See Pg 6-7
	Prevailing Wage Total	Basic Hourly Rate	Fringe Hourly Rate	Prevailing Wage Total	Basic Hourly Rate	Fringe Hourly Rate	Prevailing Wage Total	Basic Hourly Rate	Fringe Hourly Rate	Prevailing Wage Total	Basic Hourly Rate	Fringe Hourly Rate	
*PLUMBER: (Note: 2 increases per year) Plumber, Pipefitter, Refrigeration Fitter, Heating & Air Conditioning Fitter, Sprinkler Fitter, Steamfitter	1/1/12			7/1/12			1/6/13			1/5/14			9
	\$59.26	\$36.60	\$22.66	\$59.96	\$37.10	\$22.86	\$60.86	\$37.60	\$23.26	\$62.11	\$38.35	\$23.76	
							7/7/13						
Plumber, Pipefitter, Refrigeration Fitter, Heating & Air Conditioning Fitter, Sprinkler Fitter, Steamfitter	-	-	-	-	-	-	\$61.86	\$38.10	\$23.76	-	-	-	9
ROOFER: Shingle, Tile, Built-up Roofing Coal Tar Pitch	9/25/11	\$52.43 \$88.53	\$36.10 \$72.20	\$16.33 \$16.33									
SANDBLASTER OR WATERBLASTER: Use wages of craft to which sand or water blasting is incidental.													
SHEETMETAL WORKER (Note: 2 increases per year)	9/19/11	\$56.33	\$34.65	\$21.68	2/26/12	\$57.30	\$35.37	\$21.93	3/3/13	\$59.30	\$36.75	\$22.55	10,12
					9/2/12	\$58.30	\$36.10	\$22.20					10,12
	2/20/12	\$56.90	\$40.00	\$16.90									12
*TAPER	9/20/10	\$11.46	\$10.00	\$1.46									
TERMITE TREATER	8/29/11	\$56.77	\$34.15	\$22.62	9/3/12	\$58.52	\$35.60	\$22.92	9/2/13	\$60.07	\$37.10	\$22.97	2,12
Terrazzo Setter		\$54.96	\$32.34	\$22.62		\$56.71	\$33.79	\$22.92		\$58.26	\$35.29	\$22.97	2,12
Certified Terrazzo Floor Grinder and Tender		\$53.41	\$30.79	\$22.62		\$55.16	\$32.24	\$22.92		\$56.71	\$33.74	\$22.97	2,12
Terrazzo Floor Grinder		\$51.91	\$29.29	\$22.62		\$53.66	\$30.74	\$22.92		\$55.21	\$32.24	\$22.97	2,12
TILE SETTER: Ceramic Hard Tile, Marble Setter Certified Ceramic Tile & Marble Helper	8/29/11	\$56.77 \$53.41	\$34.15 \$30.79	\$22.62 \$22.62	9/3/12	\$58.52 \$55.16	\$35.60 \$32.24	\$22.92 \$22.92	9/2/13	\$60.07 \$56.71	\$37.10 \$33.74	\$22.97 \$22.97	2,12 2,12
TRUCK DRIVER: Concrete Mixer Concrete Mixer/Booster	9/19/11	\$32.44 \$41.37	\$30.00 \$30.53	\$2.44 \$10.84									
Dump Truck, 8 cu. yds. & under (water level); Water Truck (up to & including 2,000 gallons)		\$60.53	\$35.24	\$25.29	-	-	-	-	-	-	-	-	12
Flatbed, Utility, etc.		\$60.26	\$34.97	\$25.29	-	-	-	-	-	-	-	-	12
End Dump, Unlicensed (Euclid, Mack, Caterpillar, or similar); Tractor Trailer (hauling equipment)		\$61.92	\$36.63	\$25.29	-	-	-	-	-	-	-	-	12
Semi-Trailer, Rock Cans, or Semi-Dump		\$61.49	\$36.20	\$25.29	-	-	-	-	-	-	-	-	12
Slip-in or Pup		\$61.81	\$36.52	\$25.29	-	-	-	-	-	-	-	-	12
Tandem Dump Truck, over 8 cu. yds. (water level); Water Truck (over 2,000 gallons)		\$60.84	\$35.55	\$25.29	-	-	-	-	-	-	-	-	12

WAGE RATE SCHEDULE BULLETIN NO. 478

Classification	Current			2012			2013			2014			Remarks
	Prevailing Wage Total	Basic Hourly Rate	Fringe Hourly Rate	Prevailing Wage Total	Basic Hourly Rate	Fringe Hourly Rate	Prevailing Wage Total	Basic Hourly Rate	Fringe Hourly Rate	Prevailing Wage Total	Basic Hourly Rate	Fringe Hourly Rate	
UNDERGROUND LABORER:	8/29/11			9/3/12			9/2/13						
Worker in a raise, shaft, or tunnel.													
Group 1	\$46.81	\$30.90	\$15.91	\$47.86	\$31.90	\$15.96	\$48.86	\$32.90	\$15.96	-	-	-	
Group 2	\$48.31	\$32.40	\$15.91	\$49.36	\$33.40	\$15.96	\$50.36	\$34.40	\$15.96	-	-	-	
Group 3	\$48.81	\$32.90	\$15.91	\$49.86	\$33.90	\$15.96	\$50.86	\$34.90	\$15.96	-	-	-	
Group 4	\$49.81	\$33.90	\$15.91	\$50.86	\$34.90	\$15.96	\$51.86	\$35.90	\$15.96	-	-	-	
Group 5	\$50.06	\$34.15	\$15.91	\$51.11	\$35.15	\$15.96	\$52.11	\$36.15	\$15.96	-	-	-	
Group 6	\$50.16	\$34.25	\$15.91	\$51.21	\$35.25	\$15.96	\$52.21	\$36.25	\$15.96	-	-	-	
Group 7	\$50.41	\$34.50	\$15.91	\$51.46	\$35.50	\$15.96	\$52.46	\$36.50	\$15.96	-	-	-	
Group 8	\$50.86	\$34.95	\$15.91	\$51.91	\$35.95	\$15.96	\$52.91	\$36.95	\$15.96	-	-	-	
WATER FRONT CONSTRUCTION (DREDGING):	9/19/11												
CLAMSHELL OR DIPPER DREDGES:													
Clamshell or Dipper Operator	\$62.98	\$37.69	\$25.29	-	-	-	-	-	-	-	-	-	11,12
Mechanic; Welder; Watch Engineer	\$62.32	\$37.03	\$25.29	-	-	-	-	-	-	-	-	-	12
Deckmate; Bargemate	\$61.92	\$36.63	\$25.29	-	-	-	-	-	-	-	-	-	12
Fire Person; Oiler; Deckhand; Barge Worker	\$60.26	\$34.97	\$25.29	-	-	-	-	-	-	-	-	-	12
HYDRAULIC SUCTION DREDGES:													
Lever Operator	\$62.62	\$37.33	\$25.29	-	-	-	-	-	-	-	-	-	12
Mechanic; Welder	\$62.32	\$37.03	\$25.29	-	-	-	-	-	-	-	-	-	12
Watch Engineer (steam or electric)	\$62.47	\$37.18	\$25.29	-	-	-	-	-	-	-	-	-	12
Dozer Operator	\$62.26	\$36.97	\$25.29	-	-	-	-	-	-	-	-	-	12
Deckmate	\$61.92	\$36.63	\$25.29	-	-	-	-	-	-	-	-	-	12
Winch Operator (stern winch on dredge)	\$61.81	\$36.52	\$25.29	-	-	-	-	-	-	-	-	-	12
Fire Person; Oiler; Deckhand (can operate anchor scow under direction of deckmate); Levee Operator	\$60.26	\$34.97	\$25.29	-	-	-	-	-	-	-	-	-	12
DERRICKS:													
Operator; Derrick, Piledriver, Crane	\$62.98	\$37.69	\$25.29	-	-	-	-	-	-	-	-	-	12
Deckmate; Saurman Type Dragline (up to & including 5 yds.)	\$61.92	\$36.63	\$25.29	-	-	-	-	-	-	-	-	-	12
Saurman Type Dragline (over 5 cu. yds.)	\$62.32	\$37.03	\$25.29	-	-	-	-	-	-	-	-	-	12
Fire Person; Oiler; Deckhand	\$60.26	\$34.97	\$25.29	-	-	-	-	-	-	-	-	-	12
BOAT OPERATORS:													
Master Boat Operator	\$62.62	\$37.33	\$25.29	-	-	-	-	-	-	-	-	-	12
Boat Operator	\$62.47	\$37.18	\$25.29	-	-	-	-	-	-	-	-	-	12
Boat Deckhand	\$60.26	\$34.97	\$25.29	-	-	-	-	-	-	-	-	-	12
WATER WELL DRILLER:	9/19/11												
Water Well Driller	\$32.23	\$28.00	\$4.23	-	-	-	-	-	-	-	-	-	
Water Well Driller Helper	\$23.91	\$20.00	\$3.91	-	-	-	-	-	-	-	-	-	
WELDER:													
Use wages of craft to which welding is incidental.													

Comments: Overtime must be paid at one and one-half times the basic hourly rate plus the hourly cost of required fringe benefits.
 * Indicates a wage, fringe benefit, remark, or title change from the previous bulletin.

REMARKS

WAGE RATE SCHEDULE BULLETIN NO. 478

1. Carpenter, Laborer (excluding High Scaler, Window Washer): \$.50 per hour shall be added to the regular straight-time rate for height pay for each hour while working from a bosun's chair and/or from a cable-suspended scaffold or work platform which is free swinging (not attached to building) for each hour worked on said rig.
 2. Cement Finisher, Mason, Plasterer, Terrazzo, Tile Setter: \$1.00 per hour shall be added to the regular straight-time rate for height pay for each hour while working from a bosun's chair and/or from a cable-suspended scaffold or work platform which is free swinging (not attached to building) for each hour worked on said rig.
 3. Diver (Other than Aqua Lung), Stand-By Diver (Other than Aqua Lung):
 - A. On any dive exceeding 50 feet, the diver shall in addition be paid the following amount of "depth money":

50 feet to 100 feet	\$1.50 per foot in excess of 50 feet
100 feet to 150 feet	\$100.00 plus \$2.00 per foot in excess of 100 feet
150 feet to 200 feet	\$200.00 plus \$3.00 per foot in excess of 150 feet
 - B. When it is necessary for a Diver to enter any pipe, tunnel or other enclosure, the said Diver shall in addition to the hourly rate, receive a premium in accordance with the following schedule for distance traveled from the entrance of the pipe, tunnel or other enclosure:
 - 1) When able to stand erect, but in which there is no vertical ascent:

5 feet to 50 feet	\$5.00 per day
50 feet to 100 feet	\$7.50 per day
100 feet to 150 feet	\$12.50 per day
 - 2) When unable to stand erect and in which there is no vertical ascent:

5 feet to 50 feet	\$5.00 per day
50 feet to 100 feet	\$7.50 per day
100 feet to 150 feet	\$12.50 per day
150 feet to 200 feet	\$36.75 per day
200 feet to 300 feet	\$1.00 per foot
300 feet to 450 feet	\$1.50 per foot
450 feet to 600 feet	\$2.50 per foot
4. Electrician:
 - A. One and one-half times the straight-time rate while working in a tunnel under construction, under water with aqualung equipment, in a completed tunnel which has only one entrance or exit providing access to safety and where no other personnel are working.
 - B. Double the straight-time rate shall be paid for the following types of hazardous work:
 - 1) While working from trusses, stacks, towers, tanks, bosun's chairs, swinging or rolling scaffolds, supporting structures, and open platforms, over 70 feet from the ground where the employee is subject to a free fall; provided, however, that when work is performed on stacks, towers or permanent platforms where the employees are on a firm footing within an enclosure, a hazardous condition does not exist regardless of height;
 - 2) While working outside of a railing or enclosure, or temporary platforms extending outside of a building, or from scaffolding or ladder within an enclosure where an employee's footing is within one foot of the top of such railing, and the employee is subject to a free fall of over 70 feet;
 - 3) Working on buildings while leaning over the railing or edge of the building, and is subject to a free fall of 70 feet; or
 - 4) Two hours minimum hazardous pay per day shall be paid while climbing to a stack, tower or permanent platform which exceeds 70 feet from the ground but where the employee is on a firm footing within an enclosure.
 - C. Five percent per hour shall be added to the hourly wage for height pay while working above 9,000 feet elevation.

REMARKS

5. Equipment Operator:

- A. Operators and Assistants to Engineer (climbing a boom) of cranes (under 50 tons) with booms of eighty feet or more (including jib) or of cranes (under 50 tons) with leads of one hundred feet or more, shall receive additional premium according to the following schedule:

	Per Hour
Booms of 80 feet up to, or leads of 100 feet up to, but not including 130 feet	\$0.50
Booms and/or leads of 130 feet up to, but not including 180 feet	\$0.75
Booms and/or leads of 180 feet up to and including 250 feet	\$1.15
Booms and/or leads over 250 feet	\$1.50

Operators and Assistants to Engineer (climbing a boom) of cranes (50 tons and over) with booms of 180 feet or more (including jib) shall receive additional premium according to the following schedule:

	Per Hour
Booms of 180 feet up to and including 250 feet	\$1.25
Booms over 250 feet	\$1.75

Note: The boom shall be measured from the center of the heel pin to the center of the boom or jib point sheave.

- B. \$1.25 per hour shall be added to the hourly wage while operating a rig suspended by ropes or cables or to perform work on a Yo-Yo Cat.

- C. In a raise or shaft, a premium of \$.40 per hour will be paid in addition to the regular straight time wage.

A raise is defined to be an underground excavation (lined or unlined) whose length exceeds its width and the inclination of the grade from the excavation is greater than 20 degrees from the horizontal.

A shaft is defined to be an excavation (lined or unlined) made from the surface of the earth, generally vertical in nature, but may decline up to 75 degrees from the vertical, and whose depth is greater than 15 feet and its largest horizontal dimension. Includes an underground silo.

- D. In a tunnel, a premium of \$.30 per hour will be paid in addition to the regular straight time wages.

A tunnel is defined to be an underground excavation (lined or unlined) whose length exceeds its width and the inclination of the grade from the excavation is no greater than 20 degrees from the horizontal.

6. Glazier: \$.50 per hour shall be added to the hourly wage for height pay for exterior glazing work performed from a scaffold or rigging 25 feet or more above the ground level.

7. Insulator: Six percent per hour shall be added to the hourly wage for hazardous pay while working from a boatswain chair, staging or free standing scaffolding erected from the ground up or mezzanine floor subject to a free fall and skyclimber suspended from a permanent structure and when working above 40 feet.

8. Ironworker: \$.50 per hour shall be added to the hourly wage while working in tunnels or coffer dams. \$.1.00 per hour shall be added to the hourly wage while working under or covered with water (submerged), or on the summits of Mauna Kea, Mauna Loa or Haleakala.

9. Plumber: One and one-half times the straight-time rate for height pay while working from OSHA approved trusses, stacks, towers, tanks, bosun's chair, swinging or rolling scaffolding, supporting structures or on open platforms where the employee is subject to a direct fall of 40 feet or more. Provided, however, that when said work is performed where the employee is on a firm footing within an enclosure, a hazardous condition does not exist regardless of height. \$.1.00 per hour shall be added to the straight-time rate while working with flame cutting or any type of welding equipment on any galvanized material or product for at least an hour.

10. Sheetmetal Worker: Add \$.03 to the total fringe benefit hourly rate per Hawaii Revised Statutes, Section 104-2 (b)(2).

11. Water Front Construction: Clamshell or Dipper Operator: \$.50 per hour shall be added to the straight-time rate while working with boom (including jib) over 130 feet.

12. Possible wage/fringe option increases:

Boilermaker: Effective 10/1/12 - \$2.50

Carpenter, Drywall Installer, Lather: Effective WRS 479 - \$0.30; 8/26/13 - \$0.50

Cement Finisher, Mason, Plasterer, Terrazzo, Tile Setter: Effective WRS 479 - \$0.25; 9/2/13 - \$0.25

Diver, Equipment Operator, Helicopter Work, Truck Driver, Water Front Construction: Effective WRS 479 - \$1.50

Floor Layer: Effective 2/24/13 - \$1.50; 3/2/14 - \$1.75

Painter: Effective WRS 479 - \$0.15

Sheetmetal Worker: Effective 9/1/13 - \$0.70; 2/2/14 - \$0.70; 8/31/14 - \$0.70

Taper: Effective 1/1/13 - \$1.75; 1/1/14 - \$2.00

APPRENTICE SCHEDULE BULLETIN NO. 478 February 20, 2012

Rates are applicable only to apprentices who are parties to agreements registered with the Department of Labor and where the journeyworker to apprentice ratio is met.

Apprentice Classifications	Interval Hrs	BASIC HOURLY RATE										FRINGE BENEFIT HOURLY RATE Total	Remarks See Pg 9
		1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th		
* BOILERMAKER	1000	\$23.59	\$25.28	\$26.96	\$28.65	\$30.33	\$32.02					\$26.68	
CARPENTER Indentured Prior to 9/1/02	1000	\$15.20	\$17.10	\$19.00	\$22.80	\$26.60	\$30.40	\$34.20	\$36.10			\$11.77	1
"	1000											\$19.62	1
"	1000	\$15.20	\$17.10	\$19.00	\$22.80	\$26.60	\$30.40	\$34.20	\$36.10			\$7.77	1
"	1000											\$10.92	1
"	1000											\$13.42	1
"	1000											\$15.42	1
"	1000											\$17.42	1
(Effective 8/27/12) * CARPENTER Indentured Prior to 9/1/02	1000	\$15.70	\$17.66	\$19.63	\$23.55	\$27.48	\$31.40	\$35.33	\$37.29			\$11.97	1
"	1000											\$19.82	1
"	1000	\$15.70	\$17.66	\$19.63	\$23.55	\$27.48	\$31.40	\$35.33	\$37.29			\$7.97	1
"	1000											\$11.12	1
"	1000											\$13.62	1
"	1000											\$15.62	1
"	1000											\$17.62	1
CEMENT FINISHER Indentured Prior to 9/1/03	1000	\$16.93	\$18.62	\$20.31	\$23.70	\$25.39	\$27.08	\$28.77	\$30.47			\$6.87	2
"	1000											\$22.62	2
(Effective 9/3/12) * CEMENT FINISHER Indentured Prior to 9/1/03	1000	\$16.93	\$18.62	\$20.31	\$23.70	\$25.39	\$27.08	\$28.77	\$30.47			\$10.87	2
"	1000	\$17.65	\$19.42	\$21.18	\$24.71	\$26.48	\$28.24	\$30.01	\$31.77			\$6.87	2
"	1000											\$22.92	2
"	1000	\$17.65	\$19.42	\$21.18	\$24.71	\$26.48	\$28.24	\$30.01	\$31.77			\$10.87	2
CONSTRUCTION CRAFT LABORER (LABORER I) Indentured On or After 9/3/02	1000	\$15.15	\$18.18	\$21.21	\$24.24							\$5.60	1
"	1000											\$11.77	1
(Effective 9/3/12) * CONSTRUCTION CRAFT LABORER (LABORER I) Indentured On or After 9/3/02	1000	\$15.65	\$18.78	\$21.91	\$25.04							\$5.60	1
"	1000											\$11.77	1
CONSTRUCTION EQUIPMENT OPERATOR Indentured Prior to 9/1/02	1000	\$18.49	\$20.33	\$22.16	\$25.88	\$29.58	\$33.27					\$6.65	3
"	1000											\$25.29	3
"	1000	\$18.49	\$20.33	\$22.16	\$25.88	\$29.58	\$33.27					\$6.65	3
"	1000											\$15.04	3
"	1000											\$15.80	3
"	1000											\$17.32	3
"	1000											\$18.85	3
"	1000											\$20.37	3

APPRENTICE SCHEDULE BULLETIN NO. 478 February 20, 2012

Rates are applicable only to apprentices who are parties to agreements registered with the Department of Labor
and where the journeyworker to apprentice ratio is met.

Apprentice Classifications	Interval Hrs	BASIC HOURLY RATE										FRINGE BENEFIT HOURLY RATE		Remarks See Pg 9
		1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	Total		
DRYWALL INSTALLER														
Indentured Prior to 9/1/02	1000	\$15.30	\$17.21	\$19.13	\$22.95	\$26.78	\$30.60	\$34.43	\$36.34				\$11.77	
"	1000												\$19.62	
Indentured After 9/1/02	1000	\$15.30	\$17.21	\$19.13	\$22.95	\$26.78	\$30.60	\$34.43	\$36.34				\$7.77	
"	1000												\$10.92	
"	1000												\$13.42	
"	1000												\$15.42	
"	1000												\$17.42	
(Effective 8/27/12)														
* DRYWALL INSTALLER														
Indentured Prior to 9/1/02	1000	\$15.80	\$17.78	\$19.75	\$23.70	\$27.65	\$31.60	\$35.55	\$37.53				\$11.97	
"	1000												\$19.82	
Indentured After 9/1/02	1000	\$15.80	\$17.78	\$19.75	\$23.70	\$27.65	\$31.60	\$35.55	\$37.53				\$7.97	
"	1000												\$11.12	
"	1000												\$13.62	
"	1000												\$15.62	
"	1000												\$17.62	
* ELECTRICIAN (WIRE & LINE INSTALLER)														
"	1000	\$14.19	\$16.22	\$18.25	\$20.28	\$22.30	\$24.33	\$26.36	\$28.39	\$32.44	\$36.50	\$8.51	\$8.80	4
"	1000												\$14.79	4
"	1000												\$15.71	4
"	1000												\$16.64	4
"	1000												\$17.56	4
"	1000												\$18.49	4
"	1000												\$19.43	4
"	1000												\$21.27	4
"	1000												\$23.14	4
(Effective 8/26/12)														
* ELECTRICIAN (WIRE & LINE INSTALLER)														
"	1000	\$14.30	\$16.34	\$18.38	\$20.43	\$22.47	\$24.51	\$26.55	\$28.60	\$32.68	\$36.77	\$8.62	\$8.92	4
"	1000												\$14.93	4
"	1000												\$15.86	4
"	1000												\$16.79	4
"	1000												\$17.72	4
"	1000												\$18.66	4
"	1000												\$19.59	4
"	1000												\$21.45	4
"	1000												\$23.32	4
* ELEVATOR CONSTRUCTOR														
"	850	\$25.315	\$27.85	\$32.91	\$35.44	\$40.50							\$23.535	
"	850												\$23.535	
"	1700													

APPRENTICE SCHEDULE BULLETIN NO. 478 February 20, 2012

Rates are applicable only to apprentices who are parties to agreements registered with the Department of Labor and where the journeyworker to apprentice ratio is met.

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APPRENTICE SCHEDULE BULLETIN NO. 478 February 20, 2012

Rates are applicable only to apprentices who are parties to agreements registered with the Department of Labor and where the journeyworker to apprentice ratio is met.

Apprentice Classifications	Interval Hrs	BASIC HOURLY RATE										FRINGE BENEFIT HOURLY RATE	Remarks See Pg 9
		1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	Total	
IRONWORKER (REINFORCING & STRUCTURAL)													
Indentured After 10/31/93	1000	\$16.88										\$23.27	7
"	1000		\$18.56									\$23.74	7
"	1000			\$20.25	\$23.63							\$24.21	7
"	1000					\$27.00						\$25.16	7
"	1000											\$26.11	7
"	1000						\$30.38					\$27.06	7
MASON													
BRICKLAYER													
Indentured Prior to 9/1/03	1000	\$16.95										\$6.87	2
"	1000		\$18.65	\$20.34	\$23.73	\$25.43	\$27.12	\$28.82	\$30.51			\$22.62	2
Indentured On or After 9/1/03	1000	\$16.95	\$18.65	\$20.34	\$23.73	\$25.43	\$27.12	\$28.82	\$30.51			\$10.87	2
STONE MASON													
Indentured On or After 9/1/03	1000	\$18.65	\$20.34	\$22.04	\$23.73	\$25.43	\$27.12	\$28.82	\$30.51			\$10.87	2
POINTER-CAULKER-WEATHERPROOFER													
Indentured Prior to 9/1/03	1000	\$17.08										\$6.87	2
"	1000		\$18.78	\$20.49	\$23.91	\$27.32	\$30.74					\$22.62	2
Indentured On or After 9/1/03	1000	\$17.08	\$18.78	\$20.49	\$23.91	\$27.32	\$30.74					\$10.87	2
(Effective 9/3/12)													
* MASON													
BRICKLAYER													
Indentured Prior to 9/1/03	1000	\$17.68										\$6.87	2
"	1000		\$19.44	\$21.21	\$24.75	\$26.51	\$28.28	\$30.05	\$31.82			\$22.92	2
Indentured On or After 9/1/03	1000	\$17.68	\$19.44	\$21.21	\$24.75	\$26.51	\$28.28	\$30.05	\$31.82			\$10.87	2
STONE MASON													
Indentured On or After 9/1/03	1000	\$19.44	\$21.21	\$22.98	\$24.75	\$26.51	\$28.28	\$30.05	\$31.82			\$10.87	2
POINTER-CAULKER-WEATHERPROOFER													
Indentured Prior to 9/1/03	1000	\$17.80										\$6.87	2
"	1000		\$19.58	\$21.36	\$24.92	\$28.48	\$32.04					\$22.92	2
Indentured On or After 9/1/03	1000	\$17.80	\$19.58	\$21.36	\$24.92	\$28.48	\$32.04					\$10.87	2
* PAINTER													
"	1000	\$15.12										\$6.05	
"	1000		\$16.80	\$18.48	\$20.16	\$21.84	\$23.52	\$26.88	\$30.24			\$9.55	
"	1000											\$10.55	
"	1000											\$11.30	
(Effective 7/1/12)													
* PAINTER													
"	1000	\$15.35										\$6.05	
"	1000		\$17.05	\$18.76	\$20.46	\$22.17	\$23.87	\$27.28	\$30.69			\$9.55	
"	1000											\$10.55	
"	1000											\$11.30	

APPRENTICE SCHEDULE BULLETIN NO. 478 February 20, 2012

Rates are applicable only to apprentices who are parties to agreements registered with the Department of Labor and where the journeyworker to apprentice ratio is met.

Apprentice Classifications	Interval Hrs	BASIC HOURLY RATE										FRINGE BENEFIT HOURLY RATE Total	Remarks See Pg 9
		1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th		
PAVING EQUIPMENT OPERATOR	1000	\$20.11	\$25.60	\$29.26	\$32.91							\$6.70	2
"	1000											\$15.82	2
"	1000											\$18.32	2
"	1000											\$21.64	2
PLASTERER	1000	\$17.35	\$19.08	\$20.81	\$24.28	\$26.02	\$27.75	\$29.49	\$31.22			\$6.87	2
Indentured Prior to 12/1/98	1000											\$22.62	2
"	1000	\$13.88	\$15.61	\$17.35	\$19.08	\$20.81	\$24.28	\$27.75	\$31.22			\$6.87	2
Indentured On or After 12/1/98 and Prior to 9/1/03	1000											\$22.62	2
"	1000	\$13.88	\$15.61	\$17.35	\$19.08	\$20.81	\$24.28	\$27.75	\$31.22			\$10.87	2
Indentured On or After 9/1/03 (Effective 9/3/12)	1000												
* PLASTERER	1000	\$18.07	\$19.88	\$21.68	\$25.30	\$27.11	\$28.91	\$30.72	\$32.53			\$6.87	2
Indentured Prior to 12/1/98	1000											\$22.92	2
"	1000	\$14.46	\$16.26	\$18.07	\$19.88	\$21.68	\$25.30	\$28.91	\$32.53			\$6.87	2
Indentured On or After 12/1/98 and Prior to 9/1/03	1000											\$22.92	2
"	1000	\$14.46	\$16.26	\$18.07	\$19.88	\$21.68	\$25.30	\$28.91	\$32.53			\$10.87	2
Indentured On or After 9/1/03	1000												
PLUMBER:	1000	\$12.81	\$14.64	\$16.47	\$18.30	\$20.13	\$21.96	\$23.79	\$25.62	\$27.45	\$29.28	\$16.97	8
PLUMBER: FIRE SPRINKLER FITTER: REFRIGERATION	1000											\$17.40	8
AIR CONDITIONING: STEAMFITTER-WELDER	1000											\$17.84	8
Indentured Prior to 9/2/85	1000											\$18.28	8
"	1000											\$18.72	8
"	1000											\$19.16	8
"	1000											\$19.59	8
"	1000											\$20.03	8
"	1000											\$20.47	8
"	1000											\$20.91	8
Indentured On or After 9/2/85	1000	\$14.71	\$17.39	\$17.39	\$20.13	\$20.13	\$23.79	\$23.79	\$27.45	\$27.45		\$1.40	8
"	1000											\$1.45	8
"	1000											\$2.93	8
"	1000											\$3.75	8
"	1000											\$3.75	8
"	1000											\$4.58	8
"	1000											\$4.58	8
"	1000											\$5.28	8
"	1000											\$5.28	8

PLUMBER: Continued on Next Page

APPRENTICE SCHEDULE B BULLETIN NO. 478 February 20, 2012

Rates are applicable only to apprentices who are parties to agreements registered with the Department of Labor and where the journeyworker to apprentice ratio is met.

SHEETMETAL WORKER: Continued on Next Page

APPRENTICE SCHEDULE BULLETIN NO. 478 February 20, 2012

Rates are applicable only to apprentices who are parties to agreements registered with the Department of Labor and where the journeyworker to apprentice ratio is met.

Apprentice Classifications	Interval Hrs	BASIC HOURLY RATE										FRINGE BENEFIT HOURLY RATE Total	Remarks See Pg 9
		1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th		
(Effective 2/26/12) SHEETMETAL WORKER	1000	\$14.15	\$15.92	\$17.69	\$19.45	\$21.22	\$22.99	\$24.76	\$26.53	\$28.30	\$30.06	\$10.63	
"	1000											\$10.79	
"	1000											\$17.42	
"	1000											\$17.85	
"	1000											\$18.31	
"	1000											\$18.76	
"	1000											\$19.22	
"	1000											\$19.67	
"	1000											\$20.13	
"	1000											\$20.56	
(Effective 9/2/12) SHEETMETAL WORKER	1000	\$14.44	\$16.25	\$18.05	\$19.86	\$21.66	\$23.47	\$25.27	\$27.08	\$28.88	\$30.69	\$10.74	
"	1000											\$10.90	
"	1000											\$17.63	
"	1000											\$18.07	
"	1000											\$18.53	
"	1000											\$18.99	
"	1000											\$19.45	
"	1000											\$19.91	
"	1000											\$20.36	
"	1000											\$20.82	
* TAPER	1000	\$16.00	\$18.00	\$20.00	\$22.00	\$24.00	\$26.00	\$30.00	\$34.00			\$6.25	
"	1000											\$6.75	
"	1000											\$7.25	
* TELECOMMUNICATION WORKER (TECHNICIAN I / SPLICER)	1000	\$14.34	\$15.54	\$16.73	\$17.93	\$19.12	\$21.51					\$8.83	
"	1000											\$9.04	
"	1000											\$9.25	
"	1000											\$9.45	
"	1000											\$9.64	
"	1000											\$10.06	
(Effective 9/1/12) * TELECOMMUNICATION WORKER (TECHNICIAN I / SPLICER)	1000	\$14.48	\$15.69	\$16.90	\$18.11	\$19.31	\$21.73					\$8.96	
"	1000											\$9.17	
"	1000											\$9.38	
"	1000											\$9.57	
"	1000											\$9.78	
"	1000											\$10.20	

APPRENTICE SCHEDULE BULLETIN NO. 478 February 20, 2012

Rates are applicable only to apprentices who are parties to agreements registered with the Department of Labor and where the journeyworker to apprentice ratio is met.

Apprentice Classifications	Interval Hrs	BASIC HOURLY RATE										FRINGE BENEFIT HOURLY RATE Total	Remarks See Pg 9
		1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th		
TILE SETTER													
CERAMIC & HARD TILE	1000	\$17.08										\$6.87	2
Indentured Prior to 9/1/03	1000		\$18.78	\$20.49	\$23.91	\$25.61	\$27.32	\$29.03	\$30.74			\$22.62	2
"	1000	\$17.08	\$18.78	\$20.49	\$23.91	\$25.61	\$27.32	\$29.03	\$30.74			\$10.87	2
Indentured On or After 9/1/03 (Effective 9/3/12)													
* TILE SETTER													
CERAMIC & HARD TILE	1000	\$17.80										\$6.87	2
Indentured Prior to 9/1/03	1000		\$19.58	\$21.36	\$24.92	\$26.70	\$28.48	\$30.26	\$32.04			\$22.92	2
"	1000	\$17.80	\$19.58	\$21.36	\$24.92	\$26.70	\$28.48	\$30.26	\$32.04			\$10.87	2
Indentured On or After 9/1/03													

* Indicates a wage, fringe benefit, remark, or title change from the previous bulletin.

REMARKS:

1. Carpenter, Construction Craft Laborer: \$.50 per hour shall be added to the regular straight-time rate for height pay for each hour while working from a bosun's chair and/or from a cable-suspended scaffold or work platform which is free swinging (not attached to building) for each hour worked on said rig.
2. Cement Finisher, Mason, Plasterer, Tile Setter: \$1.00 per hour shall be added to the regular straight-time rate for height pay for each hour while working from a bosun's chair and/or from a cable-suspended scaffold or work platform which is free swinging (not attached to building) for each hour worked on said rig.
3. Construction Equipment Operator, Heavy Duty Repairer & Welder: \$1.25 per hour shall be added to the hourly wage while operating a rig suspended by ropes or cables or to perform work on a Yo-Yo Cat.
4. Electrician:
 - A. One and one-half times the straight-time rate while working in a tunnel under construction; under water with aqualung equipment; in a completed tunnel which has only one entrance or exit providing access to safety and where no other personnel are working; or in an underground structure having no access to safety or where no other personnel are working.
 - B. Double the straight-time rate shall be paid for the following types of hazardous work:
 - 1) While working from trusses, stacks, towers, tanks, bosun's chairs, swinging or rolling scaffolds, supporting structures, and open platforms, over 70 feet from the ground where the employee is subject to a free fall; provided, however, that when work is performed on stacks, towers or permanent platforms where the employees are on a firm footing within an enclosure, a hazardous condition does not exist regardless of height;
 - 2) While working outside of a railing or enclosure, or temporary platforms extending outside of a building, or from scaffolding or ladder within an enclosure where an employee's footing is within one foot of the top of such railing, and the employee is subject to a free fall of over 70 feet;
 - 3) Working on buildings while leaning over the railing or edge of the building, and is subject to a free fall of 70 feet; or
 - 4) Two hours minimum hazardous pay per day shall be paid while climbing to a stack, tower or permanent platform which exceeds 70 feet from the ground but where the employee is on a firm footing within an enclosure.
 - C. Five percent per hour shall be added to the hourly wage for height pay while working above 9,000 feet elevation.
5. Glazier: \$.50 per hour shall be added to the hourly wage for height pay for exterior glazing work performed from a scaffold or rigging 25 feet or more above the ground level.
6. Insulator: Six percent per hour shall be added to the hourly wage for hazardous pay while working from a boatswain chair, staging or free standing scaffolding erected from ground up or mezzanine floor subject to a free fall and skylimber suspended from a permanent structure and when working above 40 feet.
7. Ironworker: \$.50 per hour shall be added to the hourly wage while working in tunnels or coffer dams. \$1.00 per hour shall be added to the hourly wage while working under or covered with water (submerged), or on the summits of Mauna Kea, Mauna Loa or Haleakala.
8. Plumber: One and one-half times the straight-time rate for height pay while working from OSHA approved trusses, stacks, towers, tanks, bosun's chair, swinging or rolling scaffolding, supporting structures or on open platforms where the employee is subject to a direct fall of 40 feet or more. Provided, however, that when said work is performed where the employee is on a firm footing within an enclosure, a hazardous condition does not exist regardless of height. \$1.00 per hour shall be added to the straight-time rate while working with flame cutting or any type of welding equipment on any galvanized material or product for at least an hour.
9. Roofer: When an apprentice has accumulated 2500 hours, \$4.25 will be added to his/her pension/annuity plan.

General Decision Number: HI120001 03/02/2012 HI1

Superseded General Decision Number: HI20100001

State: Hawaii

Construction Types: Building, Heavy (Heavy and Dredging),
Highway and Residential

Counties: Hawaii Statewide.

BUILDING CONSTRUCTION PROJECTS; RESIDENTIAL CONSTRUCTION
PROJECTS (consisting of single family homes and apartments up
to and including 4 stories); HEAVY AND HIGHWAY CONSTRUCTION
PROJECTS AND DREDGING

Modification Number	Publication Date
0	01/06/2012
1	01/13/2012
2	01/20/2012
3	01/27/2012
4	02/10/2012
5	03/02/2012

ASBE0132-001 08/29/2010

Rates	Fringes
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Asbestos Workers/Insulator

Includes application of
all insulating materials,
protective coverings,
coatings and finishes to
all types of mechanical
systems. Also the
application of
firestopping material for
wall openings and
penetrations in walls,
floors, ceilings and
curtain walls.....\$ 36.65

22.24

BOIL0627-005 04/01/2010

Rates	Fringes
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BOILERMAKER.....\$ 31.92

21.42

BRHI0001-001 08/29/2011

Rates	Fringes
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BRICKLAYER

Bricklayers and Stonemasons.\$ 33.90
Pointers, Caulkers and
Weatherproofers.....\$ 34.15

22.62

22.62

BRHI0001-002 08/29/2011

Rates	Fringes
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Tile, Marble & Terrazzo Worker

Terrazzo Base Grinders.....\$ 32.34
Terrazzo Floor Grinders
and Tenders.....\$ 30.79
Tile, Marble and Terrazzo
Workers.....\$ 34.15

22.62

22.62

22.62

CARP0745-001 08/29/2011

Rates	Fringes
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Carpenters:

Carpenters; Hardwood Floor
Layers; Patent Scaffold
Erectors (14 ft. and
over); Piledrivers;
Pneumatic Nailers; Wood
Shinglers and Transit
and/or Layout Man.....\$ 38.00
Millwrights and Machine

19.62

Erectors.....	\$ 38.25	19.62
Power Saw Operators (2		
h.p. and over).....	\$ 38.15	19.62

 CARP0745-002 08/29/2011

	Rates	Fringes
Drywall and Acoustical		
Workers and Lathers.....	\$ 38.25	19.62

 * ELEC1186-001 02/19/2012

	Rates	Fringes
Electricians:		
Cable Splicers.....	\$ 44.61	26.22
Electricians.....	\$ 40.55	24.99
Telecommunication worker....	\$ 23.20	17%+6.35

 * ELEC1186-002 02/19/2012

	Rates	Fringes
Line Construction:		
Cable Splicers.....	\$ 44.61	26.22
Groundmen/Truck Drivers....	\$ 30.41	21.89
Heavy Equipment Operators...	\$ 36.50	23.75
Linemen.....	\$ 40.55	24.99
Telecommunication worker....	\$ 23.20	17%+\$6.35

 ELEV0126-001 01/01/2012

	Rates	Fringes
ELEVATOR MECHANIC.....	\$ 50.63	23.535+a+b

a. VACATION: Employer contributes 8% of basic hourly rate for 5 years service and 6% of basic hourly rate for 6 months to 5 years service as vacation pay credit.

b. PAID HOLIDAYS: New Year's Day, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, the Friday after Thanksgiving Day and Christmas Day.

 ENGI0003-002 08/29/2011

	Rates	Fringes
Diver (Aqua Lung) (Scuba)		
Diver (Aqua Lung) (Scuba)		
(over a depth of 30 feet)...	\$ 58.75	23.94
Diver (Aqua Lung) (Scuba)		
(up to a depth of 30 feet)...	\$ 49.38	23.94
Stand-by Diver (Aqua Lung)		
(Scuba).....	\$ 40.00	23.94
Diver (Other than Aqua Lung)		
Diver (Other than Aqua		
Lung).....	\$ 58.75	23.94
Diver Tender (Other than		
Aqua Lung).....	\$ 36.97	23.94
Stand-by Diver (Other than		
Aqua Lung).....	\$ 40.00	23.94
Helicopter Work		
Airborne Hoist Operator		
for Helicopter.....	\$ 38.55	23.94
Co-Pilot of Helicopter.....	\$ 38.69	23.94
Pilot of Helicopter.....	\$ 38.86	23.94
Power equipment operator -		
tunnel work		
GROUP 1.....	\$ 34.99	23.94
GROUP 2.....	\$ 35.10	23.94
GROUP 3.....	\$ 35.27	23.94
GROUP 4.....	\$ 35.54	23.94
GROUP 5.....	\$ 35.85	23.94
GROUP 6.....	\$ 36.50	23.94
GROUP 7.....	\$ 36.82	23.94
GROUP 8.....	\$ 36.93	23.94
GROUP 9.....	\$ 37.04	23.94
GROUP 9A.....	\$ 37.27	23.94
GROUP 10.....	\$ 37.33	23.94
GROUP 10A.....	\$ 37.48	23.94
GROUP 11.....	\$ 37.63	23.94

GROUP 12.....	\$ 37.99	23.94
GROUP 12A.....	\$ 38.35	23.94
Power equipment operators:		
GROUP 1.....	\$ 34.69	23.94
GROUP 2.....	\$ 34.80	23.94
GROUP 3.....	\$ 34.97	23.94
GROUP 4.....	\$ 35.24	23.94
GROUP 5.....	\$ 35.55	23.94
GROUP 6.....	\$ 36.20	23.94
GROUP 7.....	\$ 36.52	23.94
GROUP 8.....	\$ 36.63	23.94
GROUP 9.....	\$ 36.74	23.94
GROUP 9A.....	\$ 36.97	23.94
GROUP 10.....	\$ 37.03	23.94
GROUP 10A.....	\$ 37.18	23.94
GROUP 11.....	\$ 37.33	23.94
GROUP 12.....	\$ 37.69	23.94
GROUP 12A.....	\$ 38.05	23.94
GROUP 13.....	\$ 34.97	23.94
GROUP 13A.....	\$ 35.24	23.94
GROUP 13B.....	\$ 35.55	23.94
GROUP 13C.....	\$ 36.20	23.94
GROUP 13D.....	\$ 36.52	23.94
GROUP 13E.....	\$ 36.63	23.94

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Fork Lift (up to and including 10 tons); Partsman (heavy duty repair shop parts room when needed).

GROUP 2: Conveyor Operator (Handling building material); Hydraulic Monitor; Mixer Box Operator (Concrete Plant).

GROUP 3: Brakeman; Deckhand; Fireman; Oiler; Oiler/Gradechecker; Signaller; Switchman; Highline Cableway Signaller; Bargeman; Bunkerman; Concrete Curing Machine (self-propelled, automatically applied unit on streets, highways, airports and canals); Leveeman; Roller (5 tons and under); Tugger Hoist.

GROUP 4: Boom Truck or dual purpose "A" Frame Truck (5 tons or less); Concrete Placing Boom (Building Construction); Dinky Operator; Elevator Operator; Hoist and/or Winch (one drum); Straddle Truck (Ross Carrier, Hyster and similar).

GROUP 5: Asphalt Plant Fireman; Compressors, Pumps, Generators and Welding Machines ("Bank" of 9 or more, individually or collectively); Concrete Pumps or Pumpcrete Guns; Lubrication and Service Engineer (Grease Rack); Screedman.

GROUP 6: Boom Truck or Dual Purpose "A" Frame Truck (over 5 tons); Combination Loader/Backhoe (up to and including 3/4 cu. yd.); Concrete Batch Plants (wet or dry); Concrete Cutter, Groover and/or Grinder (self-propelled unit on streets, highways, airports, and canals); Conveyor or Concrete Pump (Truck or Equipment Mounted); Drilling Machinery (not to apply to waterliners, wagon drills or jack hammers); Fork Lift (over 10 tons); Loader (up to and including 3 and 1/2 cu. yds); Lull High Lift (under 40 feet); Lubrication and Service Engineer (Mobile); Maginnis Internal Full Slab Vibrator (on airports, highways, canals and warehouses); Man or Material Hoist; Mechanical Concrete Finisher (Large Clary, Johnson Bidwell, Bridge Deck and similar); Mobile Truck Crane Driver; Portable Shotblast Concrete Cleaning Machine; Portable Boring Machine (under streets, highways, etc.); Portable Crusher; Power Jumbo Operator (setting slip forms, etc., in tunnels); Rollers (over 5 tons); Self-propelled Compactor (single engine); Self-propelled Pavement Breaker; Skidsteer Loader with attachments; Slip Form Pumps (Power driven by hydraulic, electric, air, gas, etc., lifting device for concrete forms); Small Rubber Tired Tractors; Trencher (up to and including 6 feet); Underbridge Personnel Aerial Platform (50 feet of platform or less).

GROUP 7: Crusher Plant Engineer, Dozer (D-4, Case 450, John Deere 450, and similar); Dual Drum Mixer, Extend Lift; Hoist and/or Winch (2 drums); Loader (over 3 and 1/2 cu. yds. up to and including 6 yards.); Mechanical Finisher or Spreader Machine (asphalt), (Barber Greene and similar) (Screedman required); Mine or Shaft Hoist; Mobile Concrete Mixer (over 5 tons); Pipe Bending Machine (pipelines only);

Pipe Cleaning Machine (tractor propelled and supported);
Pipe Wrapping Machine (tractor propelled and supported);
Roller Operator (Asphalt); Self-Propelled Elevating Grade
Plane; Slusher Operator; Tractor (with boom) (D-6, or
similar); Trencher (over 6 feet and less than 200 h.p.);
Water Tanker (pulled by Euclids, T-Pulls, DW-10, 20 or 21,
or similar); Winchman (Stern Winch on Dredge).

GROUP 8: Asphalt Plant Operator; Barge Mate (Seagoing);
Cast-in-Place Pipe Laying Machine; Concrete Batch Plant
(multiple units); Conveyor Operator (tunnel); Deckmate;
Dozer (D-6 and similar); Finishing Machine Operator
(airports and highways); Gradesetter; Kolman Loader (and
similar); Mucking Machine (Crawler-type); Mucking Machine
(Conveyor-type); No-Joint Pipe Laying Machine; Portable
Crushing and Screening Plant; Power Blade Operator (under
12); Saurman Type Dragline (up to and including 5 yds.);
Stationary Pipe Wrapping, Cleaning and Bending Machine;
Surface Heater and Planer Operator, Tractor (D-6 and
similar); Tri-Batch Paver; Tunnel Badger; Tunnel Mole
and/or Boring Machine Operator Underbridge Personnel Aerial
Platform (over 50 feet of platform).

GROUP 9: Combination Mixer and Compressor (gunite); Do-Mor
Loader and Adams Elegrader; Dozer (D-7 or equal); Wheel
and/or Ladder Trencher (over 6 feet and 200 to 749 h.p.).

GROUP 9A: Dozer (D-8 and similar); Gradesetter (when required
by the Contractor to work from drawings, plans or
specifications without the direct supervision of a foreman
or superintendent); Push Cat; Scrapers (up to and including
20 cu. yds); Self-propelled Compactor with Dozer;
Self-Propelled, Rubber-Tired Earthmoving Equipment (up to
and including 20 cu. yds) (621 Band and similar); Sheep's
Foot; Tractor (D-8 and similar); Tractors with boom (larger
than D-6, and similar).

GROUP 10: Chicago Boom; Cold Planers; Heavy Duty Repairman or
Welder; Hoist and/or Winch (3 drums); Hydraulic Skooper
(Koehring and similar); Loader (over 6 cu. yds. up to and
including 12 cu. yds.); Saurman type Dragline (over 5 cu.
yds.); Self-propelled, rubber-tired Earthmoving Equipment
(over 20 cu. yds. up to and including 31 cu. yds.) (637D
and similar); Soil Stabilizer (P & H or equal); Sub-Grader
(Gurries or other automatic type); Tractors (D-9 or
equivalent, all attachments); Tractor (Tandem Scraper);
Watch Engineer.

GROUP 10A: Boat Operator; Cable-operated Crawler Crane (up to
and including 25 tons); Cable-operated Power Shovel,
Clamshell, Dragline and Backhoe (up to and including 1 cu.
yd.); Dozer D9-L; Dozer (D-10, HD41 and similar) (all
attachments); Gradall (up to and including 1 cu. yd.);
Hydraulic Backhoe (over 3/4 cu. yds. up to and including 2
cu. yds.); Mobile Truck Crane Operator (up to and including
25 tons) (Mobile Truck Crane Driver Required);
Self-propelled Boom Type Lifting Device (Center Mount) (up
to and including 25 tons) (Grove, Drott, P&H, Pettibone and
similar); Trencher (over 6 feet and 750 h.p. or more); Watch
Engineer (steam or electric).

GROUP 11: Automatic Slip Form Paver (concrete or asphalt);
Band Wagon (in conjunction with Wheel Excavator);
Cable-operated Crawler Cranes (over 25 tons but less than
50 tons); Cable-operated Power Shovel, Clamshell, Dragline
and Backhoe (over 1 cu. yd. up to 7 cu. yds.); Gradall
(over 1 cu. yds. up to 7 cu. yds.); DW-10, 20, etc.
(Tandem); Earthmoving Machines (multiple propulsion power
units and 2 or more Scrapers) (up to and including 35 cu.
yds., "struck" m.r.c.); Highline Cableway; Hydraulic
Backhoe (over 2 cu. yds. up to and including 4 cu. yds.);
Leverman; Lift Slab Machine; Loader (over 12 cu. yds);
Master Boat Operator; Mobile Truck Crane Operator (over 25
tons but less than 50 tons); (Mobile Truck Crane Driver
required); Pre-stress Wire Wrapping Machine; Self-propelled
Boom-type Lifting Device (Center Mount) (over 25 tons
m.r.c.); Self-propelled Compactor (with multiple-propulsion
power units); Single Engine Rubber Tired Earthmoving
Machine (with Tandem Scraper); Tandem Cats; Trencher
(pulling attached shield).

GROUP 12: Clamshell or Dipper Operator; Derricks; Drill Rigs;
Multi-Propulsion Earthmoving Machines (2 or more Scrapers)

(over 35 cu. yds "struck"m.r.c.); Operators (Derricks, Piledrivers and Cranes); Power Shovels and Draglines (7 cu. yds. m.r.c. and over); Self-propelled rubber-tired Earthmoving equipment (over 31 cu. yds.) (657B and similar); Wheel Excavator (up to and including 750 cu. yds. per hour); Wheel Excavator (over 750 cu. yds. per hour).

GROUP 12A: Dozer (D-11 or similar or larger); Hydraulic Excavators (over 4 cu. yds.); Lifting cranes (50 tons and over); Pioneering Dozer/Backhoe (initial clearing and excavation for the purpose of providing access for other equipment where the terrain worked involves 1-to-1 slopes that are 50 feet in height or depth, the scope of this work does not include normal clearing and grubbing on usual hilly terrain nor the excavation work once the access is provided); Power Blade Operator (Cat 12 or equivalent or over); Straddle Lifts (over 50 tons); Tower Crane, Mobile; Traveling Truss Cranes; Universal, Liebherr, Linden, and similar types of Tower Cranes (in the erection, dismantling, and moving of equipment there shall be an additional Operating Engineer or Heavy Duty Repairman); Yo-Yo Cat or Dozer.

GROUP 13: Truck Driver (Utility, Flatbed, etc.)

GROUP 13A: Dump Truck, 8 cu.yds. and under (water level); Water Truck (up to and including 2,000 gallons).

GROUP 13B: Water Truck (over 2,000 gallons); Tandem Dump Truck, over 8 cu. yds. (water level).

GROUP 13C: Truck Driver (Semi-trailer. Rock Cans, Semi-Dump or Roll-Offs).

GROUP 13D: Truck Driver (Slip-In or Pup).

GROUP 13E: End Dumps, Unlicensed (Euclid, Mack, Caterpillar or similar); Tractor Trailer (Hauling Equipment); Tandem Trucks hooked up to Trailer (Hauling Equipment)

BOOMS AND/OR LEADS (HOURLY PREMIUMS):

The Operator of a crane (under 50 tons) with a boom of 80 feet or more (including jib), or of a crane (under 50 tons) with leads of 100 feet or more, shall receive a per hour premium for each hour worked on said crane (under 50 tons) in accordance with the following schedule:

Booms of 80 feet up to but not including 130 feet or Leads of 100 feet up to but not including 130 feet	0.50
Booms and/or Leads of 130 feet up to but not including 180 feet	0.75
Booms and/or Leads of 180 feet up to and including 250 feet	1.15
Booms and/or Leads over 250 feet	1.50

The Operator of a crane (50 tons and over) with a boom of 180 feet or more (including jib) shall receive a per hour premium for each hour worked on said crane (50 tons and over) in accordance with the following schedule:

Booms of 180 feet up to and including 250 feet	1.25
Booms over 250 feet	1.75

ENGI0003-004 08/29/2011

	Rates	Fringes
Dredging: (Boat Operators)		
Boat Deckhand.....	\$ 34.97	23.94
Boat Operator.....	\$ 37.18	23.94
Master Boat Operator.....	\$ 37.33	23.94
Dredging: (Clamshell or Dipper Dredging)		
GROUP 1.....	\$ 37.69	23.94
GROUP 2.....	\$ 37.03	23.94
GROUP 3.....	\$ 36.63	23.94
GROUP 4.....	\$ 34.97	23.94
Dredging: (Derricks)		

GROUP 1.....	\$ 37.69	23.94
GROUP 2.....	\$ 37.03	23.94
GROUP 3.....	\$ 36.63	23.94
GROUP 4.....	\$ 34.97	23.94
Dredging: (Hydraulic Suction Dredges)		
GROUP 1.....	\$ 37.33	23.94
GROUP 2.....	\$ 37.18	23.94
GROUP 3.....	\$ 37.03	23.94
GROUP 4.....	\$ 36.97	23.94
Group 5.....	\$ 36.63	23.94
Group 6.....	\$ 36.52	23.94
Group 7.....	\$ 34.97	23.94

CLAMSHELL OR DIPPER DREDGING CLASSIFICATIONS

GROUP 1: Clamshell or Dipper Operator.
GROUP 2: Mechanic or Welder; Watch Engineer.
GROUP 3: Barge Mate; Deckmate.
GROUP 4: Bargeman; Deckhand; Fireman; Oiler.

HYDRAULIC SUCTION DREDGING CLASSIFICATIONS

GROUP 1: Leverman.
GROUP 2: Watch Engineer (steam or electric).
GROUP 3: Mechanic or Welder.
GROUP 4: Dozer Operator.
GROUP 5: Deckmate.
GROUP 6: Winchman (Stern Winch on Dredge)
GROUP 7: Deckhand (can operate anchor scow under direction of
Deckmate); Fireman; Leveeman; Oiler.

DERRICK CLASSIFICATIONS

GROUP 1: Operators (Derricks, Piledrivers and Cranes).
GROUP 2: Saurman Type Dragline (over 5 cubic yards).
GROUP 3: Deckmate; Saurman Type Dragline (up to and
including 5 yards).
GROUP 4: Deckhand, Fireman, Oiler.

ENGI0003-044 08/29/2011

	Rates	Fringes
Power Equipment Operators		
(PAVING)		
(10) Cold Planer.....	\$ 37.40	25.33
(10) Loader (2 1/2 cu. yds. and under).....	\$ 36.57	25.33
(10) Soil Stabilizer.....	\$ 37.40	25.33
(11) Loader (over 2 1/2 cu. yds. to and including 5 cu. yds.).....	\$ 36.89	25.33
(3) Roller Operator (five tons and under).....	\$ 35.34	25.33
(5) Screed Person.....	\$ 36.57	25.33
(6) Combination Loader/Backhoe (up to 3/4 cu.yd.).....	\$ 34.63	25.33
(6) Concrete Saws and/or Grinder (self-propelled unit on streets, highways, airports and canals).....	\$ 36.57	25.33
(6) Roller Operator (over five tons).....	\$ 36.77	25.33
(7) Combination Loader/Backhoe (over 3/4 cu.yd.).....	\$ 35.61	25.33
(8) Asphalt Plant Operator..	\$ 37.00	25.33
Asphalt Concrete Material Transfer.....	\$ 36.57	25.33
Asphalt Raker.....	\$ 35.61	25.33
Asphalt Spreader Operator..	\$ 37.09	25.33
Grader.....	\$ 37.40	25.33
Laborer, Hand Roller.....	\$ 32.84	25.33

IRON0625-001 09/01/2011

	Rates	Fringes
Ironworkers:.....	\$ 33.75	28.01
a. Employees will be paid \$.50 per hour more while working in tunnels and coffer dams; \$1.00 per hour more when required to		

work under or are covered with water (submerged) and when they are required to work on the summit of Mauna Kea, Mauna Loa or Haleakala.

LABO0368-001 08/29/2011

	Rates	Fringes
Laborers:		
Driller.....	\$ 31.30	15.91
Final Clean Up.....	\$ 21.70	11.47
Gunite Operator & High		
Scaler.....	\$ 30.80	15.91
Laborer I.....	\$ 30.30	15.91
Laborer II.....	\$ 27.70	15.91
Powderman.....	\$ 31.30	15.91
Window Washer (bosun chair).....	\$ 29.80	15.91

LABORERS CLASSIFICATIONS

Laborer I: Asbestos Removal Worker (EPA certified workers); Asphalt Laborer, Ironer, Raker, Luteman, and Handroller, and all types of Asphalt Spreader Boxes; Asphalt Shoveler; Assembly and Installation of Multiplates, Liner Plates, Rings, Mesh, Mats; Batching Plant (portable and temporary); Boring Machine Operator (under streets and sidewalks); Buggymobile; Burning, Welding, Signalling, Choke Setting, and Rigging in connection with Laborers' work (except demolition); Chainsaw, Faller, Logloader, and Bucker; Compactors (Jackson Jumping Jack and similar); Concrete Bucket Dumpman; Concrete Chipping; Concrete Chuteman/Hoseman (pouring concrete) (the handling of the chute from ready-mix trucks for such jobs as walls, slabs, decks, floors, foundations, footings, curbs, gutters, and sidewalks); Concrete Core Cutter (Walls, Floors, and Ceiling); Concrete Grinding or Sanding; Concrete: Hooking on, signaling, dumping of concrete for treme work over water on caissons, pilings, abutments, etc.; Concrete: Mixing, handling, conveying, pouring, vibrating, otherwise placing of concrete or aggregates or by any other process; Concrete: Operation of motorized wheelbarrows or buggies or machines of similar character, whether run by gas, diesel, or electric power; Concrete Placement Machine Operator: operation of Somero Hammerhead, Copperheads, or similar machines; Concrete Pump Machine (laying, coupling, uncoupling of all connections and cleaning of equipment); Concrete and/or Asphalt Saw (Walking or Handtype) (cutting walls or flatwork) (scoring old or new concrete and/or asphalt) (cutting for expansion joints) (streets and ways for laying of pipe, cable or conduit for all purposes); Concrete Shovelers/Laborers (Wet or Dry); Concrete Screeding for Rough Strike-Off: Rodding or striking-off, by hand or mechanical means prior to finishing; Concrete Vibrator Operator; Coring Holes: Walls, footings, piers or other obstructions for passage of pipes or conduits for any purpose and the pouring of concrete to secure the hole; Curbing (Concrete and Asphalt); Curing of Concrete (impervious membrane and form oiler) mortar and other materials by any mode or method; Cut Granite Curb Setter (setting, leveling and grouting of all precast concrete or stone curbs); Cutting and Burning Torch (demolition); Dri Pak-It Machine; Falling, bucking, yarding, loading or burning of all trees or timber on construction site; Forklift (9 ft. and under); Grating and Grill work for drains or other purposes; Green Cutter of concrete or aggregate in any form, by hand, mechanical means, grindstone or air and/or water; Grout: Spreading for any purpose; Guinea Chaser (Grade Checker) for general utility trenches, sitework, and excavation; Headerboard Man (Asphalt or Concrete); Heat Welder of Plastic (Laborers' AGC certified workers) (when work involves waterproofing for waterpods, artificial lakes and reservoir, or heat welding for sewer pipes); Heavy Highway Laborer (Rigging, signaling, handling, and installation of pre-cast catch basins, manholes, curbs and gutters); High Pressure Nozzlemans - Hydraulic Monitor (over 100# pressure); Installation of lightweight backfill; Jackhammer Operator; Jacking of slip forms: All semi and unskilled work connected therewithin; Laying of all multi-cell conduit or multi-purpose pipe; Lead base paint abatement laborers (EPA certified workers); Magnesite and Mastic Workers (Wet or Dry) (including mixer operator); Mason Tender, Mortar Man; Mortar Mixer (Block, Brick, Masonry, and Plastering);

Nozzleman (Sandblasting and/or Water Blasting): handling, placing and operation of nozzle; Operation, Manual or Hydraulic jacking of shields and the use of such other mechanical equipment as may be necessary; Pavement Breakers; Paving, curbing and surfacing of streets, ways, courts, under and overpasses, bridges, approaches, slope walls, and all other labor connected therewith; Pilecutters; Pipe Accessment in place, bolting and lining up of sectional metal or other pipe including corrugated pipe; Pipelayer performing all services in the laying and installation of pipe from the point of receiving pipe in the ditch until completion of operation, including any and all forms of tubular material, whether pipe, metallic or non-metallic, conduit, and any other stationary-type of tubular device used for conveying of any substance or element, whether water, sewage, solid, gas, air, or other product whatsoever and without regard to the nature of material from which tubular material is fabricated; No-joint pipe and stripping of same, Pipewrapper, Caulker, Bander, Kettlemen, and men applying asphalt, Laykold, treating Creosote and similar-type materials (6-inch) pipe and over); Piping: resurfacing and paving of all ditches in preparation for laying of all pipes; Pipe laying of lateral sewer pipe from main or side sewer to buildings or structure (except Contactor may direct work be done under proper supervision); Pipe laying, leveling and marking of the joint used for main or side sewers and storm sewers; Laying of all clay, terra cotta, ironstone, vitrified concrete or other pipe for drainage; Placing and setting of water mains, gas mains and all pipe including removal of skids; Plaster Mortar Mixer/Pump; Pneumatic Impact Wrench; Portable Sawmill Operation: Choker setters, off bearers, and lumber handlers connected with clearing; Posthole Digger (Hand Held, Gas, Air and Electric); Power Broom Sweepers (Small); Preparation and Compaction of roadbeds for railroad track laying, highway construction, and the preparation of trenches, footings, etc., for cross-country transmission by pipelines, electrical transmission or underground lines or cables (by mechanical means); Raising of structure by manual or hydraulic jacks or other methods and resetting of structure in new locations, including all concrete work; Ramming or compaction; Riprap, Stonepaver, and Rock Slinger (includes placement of stacked concrete, wet or dry and loading, unloading, signaling, slinging and setting of other similar materials); Rotary Scarifier (including multiple head concrete chipping Scarifier); Salamander Heater, Drying of plaster, concrete mortar or other aggregate; Scaffold Erector Leadman; Scaffolds: (Swing and hanging) including maintenance thereof; Scaler; Septic Tank/Cesspool and Drain Fields Digger and Installer; Shredder/Chipper (tree branches, brush, etc.); Stripping and Setting Forms; Stripping of Forms: Other than panel forms which are to be re-used in their original form, and stripping of forms on all flat arch work; Tampers (Barko, Wacker, and similar type); Tank Scaler and Cleaners; Tarman; Tree Climbers and Trimmers; Trencher (includes hand-held, Davis T-66 and similar type); Trucks (flatbed up to and including 2 1/2 tons when used in connection with on-site Laborers' work; Trucks (Refuse and Garbage Disposal) (from job site to dump); Vibra-Screed (Bull Float in connection with Laborers' work); Well Points, Installation of or any other dewatering system.

Laborer II: Air Blasting; Appliance Handling (job site) (after delivery and unloading in storage area); Asphalt Plant Laborer; Backfilling, Grading and all other labor connected therewith; Boring Machine; Bridge Laborer; Burning of all debris (crates, boxes, packaging waste materials); Chainman, Rodmen, and Grade Markers; Cleaning and Clearing of all debris; Cleaning, clearing, grading and/or removal for streets, highways, roadways, aprons, runways, sidewalks, parking areas, airports, approaches, and other similar installations; Cleaning or reconditioning of streets, ways, sewers and waterlines, all maintenance work and work of an unskilled and semi-skilled nature; Cleanup of Grounds and Buildings (other than "Light Clean-Up") (Janitorial Laborer); Clean-up of right-of-way; Clearing and slashing of brush or trees by hand or mechanical cutting; Concrete Bucket Tender (Groundman) hooking and unhooking of bucket; Concrete Forms; moving, cleaning, oiling and carrying to the next point of erection of all forms; Concrete Products Plant Laborers; Conveyor Tender (conveying of building materials); Cribbers,

Shorer, Lagging, Sheeting, and Trench Jacking and Bracing, Hand-Guided Lagging Hammer Whaling Bracing; Crushed Stone Yards and Gravel and Sand Pit Laborers and all other similar plants; Demolition, Wrecking and Salvage Laborers: Wrecking and dismantling of buildings and all structures, with use of cutting or wrecking tools, burning or cutting, breaking away, cleaning and removal of all masonry, wood or metal fixtures for salvage or scrap, All hooking, unhooking, signaling of materials for salvage or scrap removed by crane or derrick; Digging under streets, roadways, aprons or other paved surfaces; Chuck Tender, Outside Nipper; Dry-packing of concrete (plugging and filling of she-bolt holes); Excavation, Preparation of street ways and bridges; Fence and/or Guardrail Erector: Dismantling and/or re-installation of all fence; Finegrader; Firewatcher; Flagman (Coning, preparing, establishing and removing portable roadway barricade devices); Signal Men on all construction work defined herein, including Traffic Control Signal Men at construction site; Garbage and Debris Handlers and Cleaners; Gas, Pneumatic, and Electric Tools, not listed Group 1 (except Rototiller); General Clean-up: sweeping, cleaning, washdown, wiping of construction facility, and equipment (other than "Light Clean-up" [Janitorial] Laborer); General Excavation and Grading (all labor connected therewith); Digging of trenches, ditches and manholes and the leveling, grading and other preparation prior to laying pipe or conduit for any purpose; Excavations and foundations for buildings, piers, foundations and holes, and all other construction; General Laborer; Ground and Soil Treatment Work (Pest Control); Junk Yard Laborers (same as Salvage Yard); Landscape Nursery Laborers; Laser Beam "Target Man" in connection with Laborers' work; Layout Person for Plastic (when work involves waterproofing for waterponds, artificial lakes and reservoirs); Limbers, Brush Loaders, and Pilers; Loading, Unloading, carrying, distributing and handling of all rods and material for use in reinforcing concrete construction (except when a derrick or outrigger operated by other than hand power is used); Loading, unloading, sorting, stockpiling, handling and distribution of water mains, gas mains and all pipes; Loading and unloading of all materials, fixtures, furnishings and appliances from point of delivery to stockpile to point of installation; hooking and signalling from truck, conveyance or stockpile; Material Yard Laborers; Pipelayer Tender; Pipewrapper, Caulker, Bander, Kettlemen, and men applying asphalt, Laykold, Creosote, and similar-type materials (pipe under 6 inches); Plasterer Laborer (including Hod Carrier); Preparation, construction and maintenance of roadbeds and sub-grade for all paving, including excavation, dumping, and spreading of sub-grade material; Prestressed or precast concrete slabs, walls, or sections: all loading, unloading, stockpiling, hooking on of such slabs, walls or sections; Quarry Laborers; Railroad, Streetcar, and Rail Transit Maintenance and Repair; Removal of surplus material; Roustabout; Rubbish Trucks in connection with Building Construction Projects (excluding clearing, grubbing, and excavating); Salvage Yard: All work connected with cutting, cleaning, storing, stockpiling or handling of materials, all cleanup, removal of debris, burning, back-filling and landscaping of the site; Sandblasting (Pot Tender): Hoses and pots or markers; Scaffolds: Erection, planking and removal of all scaffolds used for support for lathers, plasters, brick layers, masons, and other construction trades crafts; Scaffolds: (Specially designed by carpenters) laborers shall tend said carpenter on erection and dismantling thereof, preparation for foundation or mudsills, maintenance; Scraping of floors; Screeds: Handling of all screeds to be reused; handling, dismantling and conveyance of screeds; Setting, leveling and securing or bracing of metal or other road forms and expansion joints; Sheeting Piling/trench shoring (handling and placing of skip sheet or wood plank trench shoring); Ship Scalers; Sign Erector (subdivision traffic, regulatory, and street-name signs); Sloper; Slurry Seal Crews (Mixer Operator, Applicator, Squeegee Man, Shuttle Man, Top Man); Snapping of wall ties and removal of tie rods; Soil Test operations of semi and unskilled labor such as filling sand bags; Striper (Asphalt, Concrete or other Paved Surfaces); Tagging and Signaling of all building materials into high-rise units; Tool Room Attendant (Job Site); Traffic Delineating Device Applicator; Underpinning, lagging,

bracing, propping and shoring, loading, signaling, right-of-way clearance along the route of movement, The clearance of new site, excavation of foundation when moving a house or structure from old site to new site; Utilities employees; Water Man; Waterscape/Hardscape Laborers; Wire Mesh Pulling (all concrete pouring operations); Wrecking, stripping, dismantling and handling concrete forms an false work.

LABO0368-002 08/29/2011

	Rates	Fringes
Landscape & Irrigation Laborers		
GROUP 1.....	\$ 21.70	8.52
GROUP 2.....	\$ 22.20	8.52
GROUP 3.....	\$ 18.20	8.52

LABORERS CLASSIFICATIONS

GROUP 1: Installation of non-potable permanent or temporary irrigation water systems performed for the purposes of Landscaping and Irrigation architectural horticultural work; the installation of drinking fountains and permanent or temporary irrigation systems using potable water for Landscaping and Irrigation architectural horticultural purposes only. This work includes (a) the installation of all heads, risers, valves, valve boxes, vacuum breakers (pressure and non-pressure), low voltage electrical lines and, provided such work involves electrical wiring that will carry 24 volts or less, the installation of sensors, master control panels, display boards, junction boxes, conductors, including all other components for controllers, (b) and metallic (copper, brass, galvanized, or similar) pipe, as well as PVC or other plastic pipe including all work incidental thereto, i.e., unloading, handling and distribution of all pipes fittings, tools, materials and equipment, (c) all soldering work in connection with the above whether done by torch, soldering iron, or other means; (d) tie-in to main lines, thrust blocks (both precast and poured in place), pipe hangers and supports incidental to installation of the entire irrigation system, (e) making of pressure tests, start-up testing, flushing, purging, water balancing, placing into operation all irrigation equipment, fixtures and appurtenances installed under this agreement, and (f) the fabrication, replacement, repair and servicing of landscaping and irrigation systems. Operation of hand-held gas, air, electric, or self-powered tools and equipment used in the performance of Landscape and Irrigation work in connection with architectural horticulture; Choke-setting, signaling, and rigging for equipment operators on job-site in the performance of such Landscaping and Irrigation work; Concrete work (wet or dry) performed in connection with such Landscaping and Irrigation work. This work shall also include the setting of rock, stone, or riprap in connection with such Landscape, Waterscape, Rockscape, and Irrigation work; Grubbing, pick and shovel excavation, and hand rolling or tamping in connection with the performance of such Landscaping and Irrigation work; Sprigging, handseeding, and planting of trees, shrubs, ground covers, and other plantings and the performance of all types of gardening and horticultural work relating to said planting; Operation of flat bed trucks (up to and including 2 1/2 tons):.

GROUP 2. Layout of irrigation and other non-potable irrigation water systems and the layout of drinking fountains and other potable irrigation water systems in connection with such Landscaping and Irrigation work. This includes the layout of all heads, risers, valves, valve boxes, vacuum breakers, low voltage electrical lines, hydraulic and electrical controllers, and metallic (coppers, brass, galvanized, or similar) pipe, as well as PVC or other plastic pipe. This work also includes the reading and interpretation of plans and specifications in connection with the layout of Landscaping, Rockscape, Waterscape, and Irrigation work; Operation of Hydro-Mulching machines (sprayman and driver), Drillers, Trenchers (riding type, Davis T-66, and similar) and fork lifts used in connection with the performance of such Landscaping and Irrigation work; Tree climbers and chain saw tree trimmers, Sporadic operation (when used in

connection with Landscaping, Rockscape, Waterscape, and Irrigation work) of Skid-Steer Loaders (Bobcat and similar), Cranes (Bantam, Grove, and similar), Hoptos, Backhoes, Loaders, Rollers, and Dozers (Case, John Deere, and similar), Water Trucks, Trucks requiring a State of Hawaii Public Utilities Commission Type 5 and/or type 7 license, sit-down type and "gang" mowers, and other self-propelled, sit-down operated machines not listed under Landscape & Irrigation Maintenance Laborer; Chemical spraying using self-propelled power spraying equipment (200 gallon capacity or more).

GROUP 3: Maintenance of trees, shrubs, ground covers, lawns and other planted areas, including the replanting of trees, shrubs, ground covers, and other plantings that did not "take" or which are damaged; provided, however, that re-planting that requires the use of equipment, machinery, or power tools shall be paid for at the rate of pay specified under Landscape and Irrigation Laborer, Group 1; Raking, mowing, trimming, and runing, including the use of "weed eaters", hedge trimmers, vacuums, blowers, and other hand-held gas, air, electric, or self-powered tools, and the operation of lawn mowers (Note: The operation of sit-down type and "gang" mowers shall be paid for at the rate of pay specified under Landscape & Irrigation Laborer, Group 2); Guywiring, staking, propping, and supporting trees; Fertilizing, Chemical spraying using spray equipment with less than 200 gallon capacity, Maintaining irrigation and sprinkler systems, including the staking, clamping, and adjustment of risers, and the adjustment and/or replacement of sprinkler heads, (Note: the cleaning and gluing of pipe and fittings shall be paid for at the rate of pay specified under Landscape & Irrigation Laborer (Group 1); Watering by hand or sprinkler system and the performance of other types of gardening, yardman, and horticultural-related work.

LABO0368-003 08/29/2011

	Rates	Fringes
Underground Laborer		
GROUP 1.....	\$ 30.90	15.91
GROUP 2.....	\$ 32.40	15.91
GROUP 3.....	\$ 32.90	15.91
GROUP 4.....	\$ 33.90	15.91
GROUP 5.....	\$ 34.15	15.91
GROUP 6.....	\$ 34.25	15.91
GROUP 7.....	\$ 34.50	15.91

GROUP 1: Watchmen; Change House Attendant.

GROUP 2: Swamper; Brakeman; Bull Gang-Muckers, Trackmen; Dumpmen (any method); Concrete Crew (includes rodding and spreading); Grout Crew; Reboundmen

GROUP 3: Chucktenders and Cabletenders; Powderman (Prime House); Vibratorman, Pavement Breakers

GROUP 4: Miners - Tunnel (including top and bottom man on shaft and raise work); Timberman, Retimberman (wood or steel or substitute materials thereof); Blasters, Drillers, Powderman (in heading); Microtunnel Laborer; Headman; Cherry Pickerman (where car is lifted); Nipper; Grout Gunmen; Grout Pumpman & Potman; Gunite, Shotcrete Gunmen & Potmen; Concrete Finisher (in tunnel); Concrete Screed Man; Bit Grinder; Steel Form Raisers & Setters; High Pressure Nozzleman; Nozzleman (on slick line); Sandblaster-Potman (combination work assignment interchangeable); Tugger

GROUP 5: Shaft Work & Raise (below actual or excavated ground level); Diamond Driller; Gunite or Shotcrete Nozzleman; Rodman; Groundman

GROUP 6: Shifter

GROUP 7: Shifter (Shaft Work & Raiser)

PAIN1791-001 01/01/2012

	Rates	Fringes
Painters:		
Brush.....	\$ 33.60	24.30

Sandblaster; Spray.....	\$ 33.60	24.30

PAIN1889-001 07/01/2011		
	Rates	Fringes
Glaziers.....	\$ 32.05	24.22

PAIN1926-001 07/01/2011		
	Rates	Fringes
Soft Floor Layers.....	\$ 28.12	20.98

PAIN1944-001 01/01/2012		
	Rates	Fringes
Taper.....	\$ 40.00	16.90

PLAS0630-001 08/29/2011		
	Rates	Fringes
PLASTERER.....	\$ 34.69	22.62

PLAS0630-002 08/29/2011		
	Rates	Fringes
Cement Masons:		
Cement Masons.....	\$ 33.85	22.62
Trowel Machine Operators....	\$ 34.00	22.62

PLUM0675-001 01/01/2012		
	Rates	Fringes
Plumber, Pipefitter, Steamfitter & Sprinkler Fitter...	\$ 36.60	22.66

ROOF0221-001 09/25/2011		
	Rates	Fringes
Roofers (Including Built Up, Composition and Single Ply).....	\$ 36.10	16.13

SHEE0293-001 08/28/2011		
	Rates	Fringes
Sheet metal worker.....	\$ 34.65	21.71

SUHI1997-002 09/15/1997		
	Rates	Fringes
Drapery Installer.....	\$ 13.60	1.20

FENCE ERECTOR (Chain Link Fence).....	\$ 9.33	1.65

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical

order of "identifiers" that indicate whether the particular rate is union or non-union.

Union Identifiers

An identifier enclosed in dotted lines beginning with characters other than "SU" denotes that the union classification and rate have found to be prevailing for that classification. Example: PLUM0198-005 07/01/2011. The first four letters, PLUM, indicate the international union and the four-digit number, 0198, that follows indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. The date, 07/01/2011, following these characters is the effective date of the most current negotiated rate/collective bargaining agreement which would be July 1, 2011 in the above example.

Union prevailing wage rates will be updated to reflect any changes in the collective bargaining agreements governing the rate.

Non-Union Identifiers

Classifications listed under an "SU" identifier were derived from survey data by computing average rates and are not union rates; however, the data used in computing these rates may include both union and non-union data. Example: SULA2004-007 5/13/2010. SU indicates the rates are not union rates, LA indicates the State of Louisiana; 2004 is the year of the survey; and 007 is an internal number used in producing the wage determination. A 1993 or later date, 5/13/2010, indicates the classifications and rates under that identifier were issued as a General Wage Determination on that date.

Survey wage rates will remain in effect and will not change until a new survey is conducted.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage

payment data, project description, area practice material,
etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an
interested party may appeal directly to the Administrative
Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION

STATE OF HAWAII
DEPARTMENT OF HAWAIIAN HOME LANDS

ADDENDUM NO. 3

March 23, 2012

BID FORM

FOR THE

LALAMILO HOUSING PHASE 2A, INCREMENT 1
(PART I)

AND

LALAMILO HOUSING PHASE 2A,
KAWAIHAE ROAD IMPROVEMENTS AT SOUTH KOHALA DISTRIBUTION ROAD
(PART II)

WAIMEA, SOUTH KOHALA, ISLAND OF HAWAII, HAWAII

IFB-12-HHL-008

TAX MAP KEY: 3-6-6-01:10&77

Mr. Albert "Alapaki" Nahale-A, Chairman
Hawaiian Homes Commission
Department of Hawaiian Home Lands
State of Hawaii

Dear Mr. Nahale-A:

The undersigned, having examined to full satisfaction, all the bidding documents including, but not limited to, the drawings and specifications for the captioned project, submits hereby its unit and/or lump sum prices and total sum bid of

_____ Dollars (\$ _____),
exclusive of State of Hawaii General Excise Tax, for supplying, furnishing, and paying for all labor, materials, tools, equipment, and services necessary to construct in place complete all work and construction items listed in the following schedule.

LALAMILO HOUSING
PHASE 2A
(IFB-12-HHL-008)

1
ADDENDUM NO.3
(March 23, 2012)

BID FORM

Item No.	Estimated Quantity	Description	Unit Price	Total
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PART I

PART I.A. – LALAMILO HOUSING PHASE 2A, INCREMENT 1 (EXCLUDING GET)

ROAD CONSTRUCTION

The price shall include construction of the roadway prism, base courses, curb and gutter, sidewalk and other items as called for in the plans, including labor, tools, equipment and all incidental work necessary on the plans, in place complete.

ROADS "A" TO "G" & SOUTH KOHALA DISTRIBUTION ROAD

1.	264,387	Sq. Ft., Fine Grading of Roadway Area.	Per Sq. Ft.	\$ _____	\$ _____
2.	4,907	Sq. Yds., Hot Mix Asphalt Concrete Pavement, County Mix No. IV (2" minimum thickness).	Per Sq. Yd.	\$ _____	\$ _____
3.	22,733	Sq. Yds., Hot Mix Asphalt Concrete Pavement County Mix No. IV (2-1/2" minimum thickness).	Per Sq. Yd.	\$ _____	\$ _____
4.	27,640	Sq. Yds., Asphalt Treated Base Course (4" minimum thickness).	Per Sq. Yd.	\$ _____	\$ _____

Item No.	Estimated Quantity	Description	Unit Price	Total
5.	4,469	Cu. Yds., Aggregate Subbase Course (6" minimum thickness).		
		Per Cu. Yds.	\$ _____	\$ _____
6.	10,270	Lin. Ft., Cast-in-Place Integral Curb and Gutter, Class "A" Concrete Gutter.		
		Per Lin. Ft.	\$ _____	\$ _____
7.	687	Sq. Ft., Curb Ramps with Detectable Warning Strip. In Place Complete. Payment for 6" thick Aggregate Base Course shall be incidental to various items of work		
		Per Sq. Ft.	\$ _____	\$ _____
8.	2,772	Sq. Ft., Curb Ramp (Truncated) with Detectable Warning Strip. In Place Complete. Payment for 6" thick Aggregate Base Course shall be incidental to various items of work.		
		Per Sq. Ft.	\$ _____	\$ _____
9.	12,740	Sq. Ft., 4" thick, Class A Concrete Driveway Apron, reinforced with 6"x6"- 6/6 Galvanized Welded Wire Fabric, Broom Finished, In Place Complete. Payment of 6" thick Aggregate Base Course shall be incidental to various items of work.		
		Per Sq. Ft.	\$ _____	\$ _____

Item No.	Estimated Quantity	Description	Unit Price	Total
10.	49,510	Sq. Ft., Plain Class "B" Concrete Sidewalk, 4" thick, In Place Complete. Payment for 4" thick Aggregate Base Course shall be incidental to various items of work.		
		Per Sq. Ft.	\$ _____	\$ _____
11.	25	Each, Street Monument.		
		Each	\$ _____	\$ _____
12a.	250	Lin. Ft., Temporary Wooden Barricade with Concrete Header.		
		Per Lin. Ft.	\$ _____	\$ _____
12b.	5	Each, Type III Barricade, In Place Complete.		
		Each	\$ _____	\$ _____
12.	11	Each, Street Name and Traffic Sign.		
		Each	\$ _____	\$ _____
14a.	19	Each, Traffic Sign with Post.		
		Each	\$ _____	\$ _____
14b.	19	Each, Traffic Sign.		
		Each	\$ _____	\$ _____
15.	0	Lin. Ft., 12" White Pavement Striping (thermoplastic extrusion).		
		Per Lin. Ft.	\$ _____	\$ _____

Item No.	Estimated Quantity	Description	Unit Price	Total
16.	0	Lin. Ft., 8" White Solid Striping (thermoplastic extrusion) with Type "C" Raised Pavement Markers.		
		Per Lin. Ft.	\$ _____	\$ _____
17a.	0	Lin. Ft., 4" Double Yellow Pavement Striping (thermoplastic extrusion) with Type "D" Raised Pavement Markers @ 20' O.C.		
		Per Lin. Ft.	\$ _____	\$ _____
17b.	L.S.	Pavement Markings and Raised Pavement Markers, In Place Complete.		
		Lump Sum		\$ _____
18.	L.S.	Temporary Traffic Control Measures.		
		Lump Sum		\$ _____

Item No.	Estimated Quantity	Description	Unit Price	Total
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TRANSFER STATION

19.	0	Lin. Ft., 4" Solid Yellow Pavement Striping (thermoplastic extrusion) with Type "D" Raised Pavement Markers @ 20' O.C.		
		Per Lin. Ft.	\$ _____	\$ _____
19a.	L.S.	Pavement Markings and Raised Pavement Markers, In Place Complete.		
		Lump Sum		\$ _____
20a.	1	Each, 30' Wide Gate.		
		Each	\$ _____	\$ _____
20b.	1	Each, 36' Wide Gate		
		Each	\$ _____	\$ _____
21.	146	Lin. Ft., 6' High Chainlink Fence.		
		Per Lin. Ft.	\$ _____	\$ _____
		TOTAL – ROAD CONSTRUCTION (Items 1 to 21, inclusive)		\$ _____

Item No.	Estimated Quantity	Description	Unit Price	Total
<u>DRAINAGE SYSTEM</u>				
The price shall include excavating for catch basins, manholes, trenching for pipes, removing and disposing of unsuitable material and replacing with select material for pipe cushion, sheeting and shoring as required, backfilling, labor, equipment, tools, materials and all incidental work necessary to construct the drainage system as indicated on the plans, in place complete.				
22.	3,300	Cu. Yds., Unclassified Excavation for Catch Basins, Drain Lines, Ditches and DMH, including Backfill and Pipe Cushion, In Place Complete.		
		Per Cu. Yds.	\$ _____	\$ _____
23.	1,870	Lin. Ft., 18" High Density Polyethylene Pipe, In Place Complete.		
		Per Lin. Ft.	\$ _____	\$ _____
24.	192	Lin. Ft., 24" High Density Polyethylene Pipe, In Place Complete.		
		Per Lin. Ft.	\$ _____	\$ _____
25.	2	Each, Standard Reinforced Concrete Catch Basin, Type "A", 7.00' to 7.99' Deep.		
		Each	\$ _____	\$ _____

Item No.	Estimated Quantity	Description	Unit Price	Total
26.	1	Each, Standard Reinforced Concrete Catch Basin, Type "A", 8.00' to 8.99' Deep.		
		Each	\$ _____	\$ _____
27.	1	Each, Standard Reinforced Concrete Catch Basin, Type "A", 9.00' to 9.99' Deep.		
		Each	\$ _____	\$ _____
28.	0	Each, Standard Reinforced Concrete Catch Basin, Type "B", 4.00' to 4.99' Deep.		
		Each	\$ _____	\$ _____
29.	6	Each, Standard Reinforced Concrete Catch Basin, Type "B", 7.00' to 7.99' Deep.		
		Each	\$ _____	\$ _____
30.	4	Each, Standard Reinforced Concrete Catch Basin, Type "B", 8.00' to 8.99' Deep.		
		Each	\$ _____	\$ _____

Item No.	Estimated Quantity	Description	Unit Price	Total
31.	2	Each, Standard Reinforced Concrete Catch Basin, Type "B", 9.00' to 9.99' Deep.		
		Each	\$ _____	\$ _____
32.	0	Each, Standard Reinforced Concrete Catch Basin, Type "B", 10.00' to 10.99' Deep.		
		Each	\$ _____	\$ _____
33.	0	Each, Standard Reinforced Concrete Catch Basin, Type "B", 11.00' to 11.99' Deep.		
		Each	\$ _____	\$ _____
34.	0	Each, Special Reinforced Concrete Catch Basin on Top of Drywell, Type "A", 5.00' to 5.99' Deep.		
		Each	\$ _____	\$ _____
35.	1	Each, Special Reinforced Concrete Catch Basin on Top of Drywell, Type "A", 8.00' to 8.99' Deep.		
		Each	\$ _____	\$ _____
36.	2	Each, Special Reinforced Concrete Catch Basin on Top of Drywell, Type "A", 9.00' to 9.99' Deep.		
		Each.	\$ _____	\$ _____

Item No.	Estimated Quantity	Description	Unit Price	Total
37.	8	Each, Special Reinforced Concrete Catch Basin on Top of Drywell, Type "A", 11.00' to 11.99' Deep.		
		Each	\$ _____	\$ _____
38.	1	Each, Special Reinforced Concrete Catch Basin on Top of Drywell, Type "A", 12.00' to 12.99' Deep.		
		Each	\$ _____	\$ _____
39.	1	Each, Standard Reinforced Concrete Shallow Drain Manhole, 6.00' to 6.99' Deep.		
		Each	\$ _____	\$ _____
40.	2	Each, Standard Reinforced Concrete Shallow Drain Manhole, 7.00' to 7.99' Deep.		
		Each	\$ _____	\$ _____
41.	2	Each, Standard Reinforced Concrete Shallow Drain Manhole, 8.00' to 8.99' Deep.		
		Each	\$ _____	\$ _____
42.	2	Each, Standard Reinforced Concrete Shallow Drain Manhole, 9.00' to 9.99' Deep.		
		Each	\$ _____	\$ _____

Item No.	Estimated Quantity	Description	Unit Price	Total
43.	1	Each, Standard Reinforced Concrete Shallow Drain Manhole, 10.00' to 10.99' Deep.		
		Each	\$ _____	\$ _____
44.	0	Each, Standard Reinforced Concrete Shallow Drain Manhole, 11.00' to 11.99' Deep.		
		Each	\$ _____	\$ _____
45.	2	Each, Standard Reinforced Concrete Drain Inlet on Top of Drywell, 6.00' to 6.99' Deep.		
		Each	\$ _____	\$ _____
46a.	3	Each, Standard Reinforced Concrete Drain Inlet on Top of Drywell, 7.00' to 7.99' Deep.		
		Each	\$ _____	\$ _____
46b.	2	Each, Standard Reinforced Concrete Drain Inlet, 7.00'-7.99' Deep.		
		Each	\$ _____	\$ _____
47.	1	Each, Standard Reinforced Concrete Drain Inlet on Top of Drywell, 8.00' to 8.99' Deep.		
		Each	\$ _____	\$ _____

Item No.	Estimated Quantity	Description	Unit Price	Total
48.	84	Lin. Ft., 2' Wide Reinforced Concrete Ditch "A" and Relief Concrete Ditch at Road "E".		
49.	L.S.	Concrete Headwall for Ditch "A".		
		Per Lin. Ft.	\$ _____	\$ _____
		Lump Sum		\$ _____
50.	0	Each, 72" Diameter Drywell, 18.00' to 18.99' Deep, including Drywell Cover, 12" Thick Washed Crushed Stone (2 1/2" to 3") all around Drywell, Drywell Base, and Excavation.		
		Each	\$ _____	\$ _____
51.	2	Each, 60" Diameter Drywell, 20.00' to 20.99' Deep, including Drywell Cover, 12" Thick Washed Crushed Stone (2 1/2" to 3") all around Drywell, Drywell Base, and Excavation.		
		Each	\$ _____	\$ _____
52.	8	Each, 60" Diameter Drywell, 21.00' to 21.99' Deep, including Drywell Cover, 12" Thick Washed Crushed Stone (2 1/2" to 3") all around Drywell, Drywell Base, and Excavation.		
		Each	\$ _____	\$ _____

Item No.	Estimated Quantity	Description	Unit Price	Total
53.	1	Each, 60" Diameter Drywell, 22.00' to 22.99' Deep, including Drywell Cover, 12" Thick Washed Crushed Stone (2 1/2" to 3") all around Drywell, Drywell Base, and Excavation.		
		Each	\$ _____	\$ _____
54.	7	Each, 60" Diameter Drywell, 24.00' to 24.99' Deep, including Drywell Cover, 12" Thick Washed Crushed Stone (2 1/2" to 3") all around Drywell, Drywell Base, and Excavation.		
		Each	\$ _____	\$ _____
55.	1	Each, 60" Diameter Drywell, 27.00' to 27.99' Deep, including Drywell Cover, 12" Thick Washed Crushed Stone (2 1/2" to 3") all around Drywell, Drywell Base, and Excavation.		
		Each	\$ _____	\$ _____
TOTAL – DRAINAGE SYSTEM (Items 22 to 55, inclusive)				\$ _____

Item No.	Estimated Quantity	Description	Unit Price	Total
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WATER SYSTEM

The price shall include excavation for water lines and appurtenances, pipe cushion, backfilling, sheeting and shoring as required, labor, equipment, tools, materials and all incidental work necessary to construct the water system as indicated on the plans, in place complete.

56.	1,884	Cu. Yds., Trench Excavation (without classification) for Water Mains, including Backfill and Pipe Cushion.		
		Per Cu. Yd.	\$ _____	\$ _____
57.	2,253	Lin. Ft. 8" Ductile Iron Pipe, Class 52. Furnish and Install Polyethylene Wrap.		
		Per Lin. Ft	\$ _____	\$ _____
58.	2,082	Lin. Ft. 6" Ductile Iron Pipe, Class 52. Furnish and Install Polyethylene Wrap.		
		Per Lin. Ft.	\$ _____	\$ _____
59.	128	Lin. Ft. 4" Ductile Iron Pipe, Class 52 Furnish and Install Polyethylene Wrap.		
		Per Lin. Ft.	\$ _____	\$ _____

Item No.	Estimated Quantity	Description	Unit Price	Total
60.	12	Each, 8" Gate Valve, Flanged End/Mechanical Joint, Class 200, including Anchor Valve Block.		
		Each	\$ _____	\$ _____
61.	0	Each, 6" Gate Valve, Flanged Ends, Class 200, including Anchor Valve Block.		
		Each	\$ _____	\$ _____
62.	18	Each, 6" Gate Valve, Mechanical Joint/ Flanged End , Class 200, including Anchor Valve Block.		
		Each	\$ _____	\$ _____
63.	0	Each, 4" Gate Valve, Flanged End/Mechanical Joint, Class 200, including Anchor Valve Block.		
		Each	\$ _____	\$ _____
64.	0	Each, 4" Gate Valve, Mechanical Joints, Class 200, including Anchor Valve Block.		
		Each	\$ _____	\$ _____
65.	28	Each, Gate Valve Box, including all Appurtenances.		
		Each	\$ _____	\$ _____

Item No.	Estimated Quantity	Description	Unit Price	Total
66.	3,535	Lbs. Ductile Iron Fittings. 1 - 16"6" Tee, MJ 6 - 8"x6" Tee, MJ 6 - 8" Tee, MJ 3 - 6" Tee. MJ 3 - 8"x6" Reducer, SEB 1 - 8"x6" Reducer, MJ 1 - 6"x4" Reducer, SEB 1 - 6" Cross, MJ 3 - 8" Cap with 2" C.O 4 - 6" Cap with 2" C.O 1 - 4" Cap with 2" C.O		
		Per Lb.	\$ _____	\$ _____
67.	2	Each, 1" Air Relief Valve, including all Appurtenances.		
		Each	\$ _____	\$ _____
68.	11	Each, Air Relief Valve Box, including Frame, Cover, and Concrete Base.		
		Each	\$ _____	\$ _____
69.	61	Each, 8" Megalugs.		
		Each	\$ _____	\$ _____
70.	62	Each, 6" Megalugs.		
		Each	\$ _____	\$ _____

Item No.	Estimated Quantity	Description	Unit Price	Total
71.	3	Each, 4" Megalugs.		
		Each	\$ _____	\$ _____
72.	29	Each, 1-1/2" Service Lateral with Type "C-1" Service Connection.		
		Each	\$ _____	\$ _____
73.	29	Each, 1" Service Lateral with Type "A" Service Connection.		
		Each	\$ _____	\$ _____
74.	87	Each, Type "X" Meter Box.		
		Each	\$ _____	\$ _____
75.	1	Each, Fire Hydrant, 6.0' Curb to Invert, including Hydrant Extension, Concrete Slab and Blue Reflective Markers.		
		Each	\$ _____	\$ _____
76a.	8	Each, Fire Hydrant, 3.5' Curb to Invert, including Hydrant Extension, Concrete Slab and Blue Reflective Markers.		
		Each	\$ _____	\$ _____
76b.	1	Each, Fire Hydrant, 5.0' Curb to Invert, including Hydrant Extension, Concrete Slab and Blue Reflective Markers.		
		Each	\$ _____	\$ _____

Item No.	Estimated Quantity	Description	Unit Price	Total
77.	8.54	Cu. Yds., DWS 2,500 Concrete Reaction Blocks, Test Blocks, Concrete Beams, Slabs, inclusive of necessary Structural Struts, Straps, Rods, Reinforcing Steel and Appurtenances. 1 - 16"6" Tee, MJ 6 - 8"x6" Tee, MJ 6 - 8" Tee, MJ 3 - 6" Tee. MJ 1 - 6" Cross, MJ 3 - 8" Cap with 2" C.O 4 - 6" Cap with 2" C.O 1 - 4" Cap with 2" C.O		
		Per Cu. Yd.	\$ _____	\$ _____
78.	8	Each, 2" Cleanout including all Appurtenances.		
		Each	\$ _____	\$ _____

Item No.	Estimated Quantity	Description	Unit Price	Total
79.	L.S.	<p>Connection to existing mains including removal of 8" cap and concrete block, inclusive of furnishing and installing of all materials and appurtenances (excluding excavation and trenching work), materials to cut and plug existing main, raising existing valve box frame and cover to match new finished grade, all in accordance to the plans and specification.</p> <p>Connection to existing high pressure 8" D.I. stub-out at Sta. 0+23 o/s 10.5' Right, Road "B", as shown on the plans.</p>		
		Lump Sum		\$ _____
80.	L.S.	<p>Connection to existing mains including removal of 16" cap and concrete block, inclusive of furnishing and installing of all materials and appurtenances (excluding excavation and trenching work), materials to cut and plug existing main, raising existing valve box frame and cover to match new finished grade, all in accordance to the plans and specification.</p> <p>Connection to existing low pressure 16" D.I., gate valve at Sta. 0+18 o/s 10.5' Left, Road "F", as shown on the plans.</p>		
		Lump Sum		\$ _____

Item No.	Estimated Quantity	Description	Unit Price	Total
81.	L.S.	Connection to existing mains including removal of 8" cap and concrete block, inclusive of furnishing and installing of all materials and appurtenances (excluding excavation and trenching work), materials to cut and plug existing main, raising existing valve box frame and cover to match new finished grade, all in accordance to the plans and specification. Connection to existing low pressure 8" D.I., gate valve at Sta. 0+23 o/s 10.5' Right, Road "B", as shown on the plans.		
		Lump Sum		\$ _____
82.	L.S.	Chlorination and Testing.		
		Lump Sum		\$ _____
		TOTAL – WATER SYSTEM (Items 56 to 82, inclusive)		\$ _____

Item No.	Estimated Quantity	Description	Unit Price	Total
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MASS GRADING

The price for the following items shall include all labor, tools, equipment, material and incidentals necessary to construct the following items, in place complete.

83.	39.5	Acres, Clearing and Grubbing, inclusive of Proof-Rolling, and Removal of Top 6 Inches of Organic Material (stripping).		
		Per Acre	\$ _____	\$ _____

84.	157,200	Cu. Yds., Mass Excavation, inclusive of Hauling, Placing and Compacting (per the recommendations in the soils report) and Grading in the General Fill Stockpile and the Rock Fill Stockpile. Approximate Embankment = 144,000 cubic yards.		
		Per Cu. Yd.	\$ _____	\$ _____

85.	161,804	Sq. Yds., Fine Grading of Lot Areas.		
		Per Sq. Yd.	\$ _____	\$ _____

86.	4,529	Lin. Ft., Combination Silt / Dust Fence.		
		Per Lin. Ft.	\$ _____	\$ _____

87.	2,868	Lin. Ft., Silt Fence.		
		Per Lin. Ft.	\$ _____	\$ _____

Item No.	Estimated Quantity	Description	Unit Price	Total
88.	L.S	Temporary Erosion Control (inclusive of, but not limited to, NPDES permit requirements, roadway cleaning).		
		Lump Sum		\$ _____
89.	L.S	Construct Temporary Ingress/Egress Construction Entrance at South Kohala Distribution Road and Road "B" with 65 Cubic Yards of No. 2 Crushed Rock on Dupont TYPAR Fabric 3401 or Equal.		
		Lump Sum		\$ _____
90.	33.4	Acres, Chemical Stabilization of Residential Lots.		
		Per Acre	\$ _____	\$ _____
91.	4.5	Acres, Grassing, inclusive of 90-day Maintenance Period (New Community Park).		
		Per Acre	\$ _____	\$ _____
		TOTAL – MASS GRADING (Items 83 to 91, inclusive)		\$ _____

Item No.	Estimated Quantity	Description	Unit Price	Total
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UNDERGROUND ELECTRIC
AND AREA LIGHTING SYSTEMS

The prices bid herein for the following items shall include all labor, tools and equipment, materials except that to be supplied by the Utility Companies, appurtenances and incidentals necessary to install or to construct the following items in place and complete in accordance with the drawings and specifications and standard practices of Hawaii Electric & Light Co. (HELCO), Sandwich Isles Communication, Inc. (SIC) and the County of Hawaii, and to the satisfaction of the Developer.

- | | | |
|-----|-----|--|
| 92. | 180 | Lin. Ft., Furnish and Install One 2-Inch Concrete Encased HELCO Conduit. Work shall consist of excavation and providing 2" diameter conduits, with spacers, couplings, appurtenances, and concrete jacket, backfilled per HELCO requirements, complete and in place. |
|-----|-----|--|

Per Lin. Ft.	\$		\$	
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Item No.	Estimated Quantity	Description	Unit Price	Total
93.	3,400	Lin. Ft., Furnish and Install Two 2-Inch Concrete Encased HELCO Conduit. Work shall consist of excavation and providing 2" diameter conduits, with spacers, couplings, appurtenances, and concrete jacket, backfilled per HELCO requirements, complete and in place.		
		Per Lin. Ft.	\$ _____	\$ _____
94.	1,050	Lin. Ft., Furnish and Install One 3-Inch Direct Buried HELCO Conduit. Work shall consist of excavation and providing 3" diameter conduits, with spacers, couplings and appurtenances, backfilled per HELCO requirements, complete and in place.		
		Per Lin. Ft.	\$ _____	\$ _____
95.	2,700	Lin. Ft., Furnish and Install One 3-Inch Concrete Encased HELCO Conduit. Work shall consist of excavation and providing 3" diameter conduits, with spacers, couplings, appurtenances, and concrete jacket, backfilled per HELCO requirements, complete and in place.		
		Per Lin. Ft.	\$ _____	\$ _____

Item No.	Estimated Quantity	Description	Unit Price	Total
96.	630	Lin. Ft., Furnish and Install Two 3-Inch Concrete Encased HELCO Conduit. Work shall consist of excavation and providing 3" diameter conduits, with spacers, couplings, appurtenances, and concrete jacket, backfilled per HELCO requirements, complete and in place.		
		Per Lin. Ft.	\$ _____	\$ _____
97.	20	Lin. Ft., Furnish and Install Three 3-Inch Concrete Encased HELCO Conduit. Work shall consist of excavation and providing 3" diameter conduits, with spacers, couplings, appurtenances, and concrete jacket, backfilled per HELCO requirements, complete and in place.		
		Per Lin. Ft.	\$ _____	\$ _____
98.	80	Lin. Ft., Furnish and Install One 4-Inch Concrete Encased HELCO Conduit. Work shall consist of excavation and providing 4" diameter conduits, with spacers, couplings, appurtenances, and concrete jacket, backfilled per HELCO requirements, complete and in place.		
		Per Lin. Ft.	\$ _____	\$ _____

Item No.	Estimated Quantity	Description	Unit Price	Total
99.	420	Lin. Ft., Furnish and Install Two 5-Inch Concrete Encased HELCO Conduit. Work shall consist of excavation and providing 5" diameter conduits, with spacers, couplings, appurtenances, and concrete jacket, backfilled per HELCO requirements, complete and in place.		
		Per Lin. Ft.	\$ _____	\$ _____
100.	1,840	Lin. Ft., Furnish and Install Three 5-Inch Concrete Encased HELCO Conduit. Work shall consist of excavation and providing 5" diameter conduits, with spacers, couplings, appurtenances, and concrete jacket, backfilled per HELCO requirements, complete and in place.		
		Per Lin. Ft.	\$ _____	\$ _____
101.	90	Lin. Ft., Furnish and Install Five 5-Inch Concrete Encased HELCO Conduit. Work shall consist of excavation and providing 5" diameter conduits, with spacers, couplings, appurtenances, and concrete jacket, backfilled per HELCO requirements, complete and in place.		
		Per Lin. Ft.	\$ _____	\$ _____

Item No.	Estimated Quantity	Description	Unit Price	Total
102.	1,160	Lin. Ft., Furnish and Install One 1.25-Inch Street Light PVC Schedule 80 Type Conduit. Work shall consist of excavation and providing 1.25" diameter conduit, with spacers, couplings and appurtenances, backfilled as required, complete and in place.		
		Per Lin. Ft.	\$ _____	\$ _____
103.	280	Lin. Ft., Furnish and Install One 1.25-Inch Concrete Encased Street Light PVC Schedule 40 Type Conduit. Work shall consist of excavation and providing 1.25" diameter conduit, with spacers, couplings, appurtenances, and concrete jacket, backfilled as required, complete and in place.		
		Per Lin. Ft.	\$ _____	\$ _____
104.	1,480	Lin. Ft., Furnish and Install One 1.5-Inch Street Light PVC Schedule 80 Type Conduit. Work shall consist of excavation and providing 1.5" diameter conduit, with spacers, couplings and appurtenances, backfilled as required, complete and in place.		
		Per Lin. Ft.	\$ _____	\$ _____

Item No.	Estimated Quantity	Description	Unit Price	Total
105.	120	Lin. Ft., Furnish and Install One 1.5-Inch Concrete Encased Street Light PVC Schedule 40 Type Conduit. Work shall consist of excavation and providing 1.5" diameter conduit, with spacers, couplings, appurtenances, and concrete jacket, backfilled as required, complete and in place.		
		Per Lin. Ft.	\$ _____	\$ _____
106.	6	Each, Furnish and Install 17" x 30" Non-concrete pullbox, cover with locking device, provided in accordance with HECO standard drawings No. <u>30-2006</u> & <u>011314</u> .		
		Each	\$ _____	\$ _____
107.	34	Each, Furnish and Install 2' x 3' Non-concrete pullbox, cover with locking device, provided in accordance with HECO standard drawing No. <u>30-2006</u> .		
		Each	\$ _____	\$ _____
108.	11	Each, Furnish and Install 4' x 6' Type 46 reinforced concrete handhole with precast concrete covers, provided in accordance with HECO standard drawing No. <u>101026</u> .		
		Each	\$ _____	\$ _____

Item No.	Estimated Quantity	Description	Unit Price	Total
109.	7	Each, Furnish and Install 5' x 7' Type 57 reinforced concrete handhole with precast concrete covers, provided in accordance with HECO standard drawing No. <u>102301</u>		
		Each	\$ _____	\$ _____
110.	1	Each, Furnish and Install 6' x 11' reinforced concrete manhole with traffic rated frame and cover, provided in accordance with HECO standard drawing No. <u>100726</u> .		
		Each	\$ _____	\$ _____
111.	16	Each, Furnish and Install 6' x 7' Transformer Pad Lot. Work shall consist of reinforced concrete transformer pad and ground rod, provided as indicated on the drawings and in accordance with HECO standard drawing No. <u>30-5001</u> and <u>011249</u> , complete and in place.		
		Each	\$ _____	\$ _____
112.	1	Each, Furnish and Install 10' x 14' automatic transfer switching equipment enclosure pad lot with reinforced concrete pad and ground rod, per HECO standard drawing No. <u>30-5040</u> .		
		Each	\$ _____	\$ _____

Item No.	Estimated Quantity	Description	Unit Price	Total
113.	49	Each, Furnish and Install Street Lighting Standard (55W). Work shall consist of excavating, constructing reinforced concrete foundation, backfilling, and providing street lighting standard, luminaire and bracket arm in accordance with the County of Hawaii's Department of Public Works Standards and as indicated on the drawings, complete and in place.		
		Each	\$ _____	\$ _____
TOTAL - UNDERGROUND ELECTRIC AND LIGHTING SYSTEMS (Items 92 to 113, inclusive)				\$ _____

Item No.	Estimated Quantity	Description	Unit Price	Total
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**PART I.B. – SANDWICH ISLES COMMUNICATIONS, INC (SIC) WORK
(INCLUDING GET)**

**** Note: Sandwich Isles
Communications, Inc. Items**

The prices bid herein for the following items shall include all labor, tools and equipment, materials except that to be supplied by Sandwich Isles Communications, Inc. (SIC), appurtenances and incidentals necessary to install or to construct the following items in place and complete in accordance with the drawings and specifications and standard practices of Sandwich Isles Communications, Inc., the County of Hawaii's Department of Transportation, Highways Division, and to the satisfaction of the DHHL.

114.	480	**Lin. Ft., Furnish and Install Two 1-Inch Direct Buried SIC Conduits (Tel/CATV) - UD(1x2-1"). Work shall consist of excavation and providing 1" diameter conduits, with spacers, couplings and appurtenances, backfilled per SIC requirements, complete and in place.
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Per Lin. Ft.

\$

\$

Item No.	Estimated Quantity	Description	Unit Price	Total
115.	650	**Lin. Ft., Furnish and Install Two 1-Inch Concrete Encased SIC Conduits (Tel/CATV) - UD(1x2-1"). Work shall consist of excavation and providing 1" diameter conduits, with spacers, couplings, appurtenances and concrete jacket, backfilled per SIC requirements, complete and in place.		
		Per Lin. Ft.	\$ _____	\$ _____
116.	1,000	**Lin. Ft., Furnish and Install Four 1-Inch Concrete Encased SIC Conduits (Tel/CATV) - UD(2x2-1"). Work shall consist of excavation and providing 1" diameter conduits, with spacers, couplings, appurtenances and concrete jacket, backfilled per SIC requirements, complete and in place.		
		Per Lin. Ft.	\$ _____	\$ _____
117.	2,530	**Lin. Ft., Furnish and Install Two 4-Inch Direct Buried SIC Conduits (Tel/CATV) - UD(1x2-4"). Work shall consist of excavation and providing 4" diameter conduits, with spacers, couplings and appurtenances, backfilled per SIC requirements, complete and in place.		
		Per Lin. Ft.	\$ _____	\$ _____

Item No.	Estimated Quantity	Description	Unit Price	Total
118.	1,980	**Lin. Ft., Furnish and Install Two 4-Inch Concrete Encased SIC Conduits (Tel/CATV) - UD(1x2-4"). Work shall consist of excavation and providing 4" diameter conduits, with spacers, couplings, appurtenances and concrete jacket, backfilled per SIC requirements, complete and in place.		
		Per Lin. Ft.	\$ _____	\$ _____
119.	140	**Lin. Ft., Furnish and Install Four 4-Inch Direct Buried SIC Conduits (Tel/CATV) - UD(2x2-4"). Work shall consist of excavation and providing 4" diameter conduits, with spacers, couplings and appurtenances, backfilled per SIC requirements, complete and in place.		
		Per Lin. Ft.	\$ _____	\$ _____
120.	100	**Lin. Ft., Furnish and Install One 4-Inch & Two 1-Inch Concrete Encased SIC Conduits (Tel/CATV) - UD(1x1-4") & UD(1x2-1"). Work shall consist of excavation and providing 4" & 1" diameter conduits, with spacers, couplings, appurtenances and concrete encasing, backfilled per SIC requirements, complete and in place.		
		Per Lin. Ft.	\$ _____	\$ _____

Item No.	Estimated Quantity	Description	Unit Price	Total
121.	380	<p>**Lin. Ft., Furnish and Install Two 4-Inch & Two 1-Inch Concrete Encased SIC Conduits (Tel/CATV) - UD(1x2-4") & UD(1x2-1"). Work shall consist of excavation and providing 4" & 1" diameter conduits, with spacers, couplings, appurtenances and concrete encasing, backfilled per SIC requirements, complete and in place.</p> <p>Per Lin. Ft.</p>	\$ _____	\$ _____
122.	60	<p>**Lin. Ft., Furnish and Install Two 4-Inch & Four 1-Inch Concrete Encased SIC Conduits (Tel/CATV) - UD(1x2-4") & UD(2x2-1"). Work shall consist of excavation and providing 4" & 1" diameter conduits, with spacers, couplings, appurtenances and concrete encasing, backfilled per SIC requirements, complete and in place.</p> <p>Per Lin. Ft.</p>	\$ _____	\$ _____
123.	860	<p>**Lin. Ft., Furnish and Install Two 4-Inch & Four 1-Inch Direct Buried SIC Conduits (Tel/CATV) - UD(1x2-4") & UD(2x2-1"). Work shall consist of excavation and providing 4" & 1" diameter conduits, with spacers, couplings and appurtenances, backfilled per SIC requirements, complete and in place.</p> <p>Per Lin. Ft.</p>	\$ _____	\$ _____

Item No.	Estimated Quantity	Description	Unit Price	Total
124.	360	<p>**Lin. Ft., Furnish and Install Two 4-Inch & Eight 1-Inch Direct Buried SIC Conduits (Tel/CATV) - UD(1x2-4") & UD(2x4-1"). Work shall consist of excavation and providing 4" & 1" diameter conduits, with spacers, couplings and appurtenances, backfilled per SIC requirements, complete and in place.</p> <p>Per Lin. Ft.</p>	\$ _____	\$ _____
125.	120	<p>**Lin. Ft., Furnish and Install Four 4-Inch & Four 1-Inch Direct Buried SIC Conduits (Tel/CATV) - UD(2x2-4") & UD(2x2-1"). Work shall consist of excavation and providing 4" & 1" diameter conduits, with spacers, couplings and appurtenances, backfilled per SIC requirements, complete and in place.</p> <p>Per Lin. Ft.</p>	\$ _____	\$ _____
126.	40	<p>**Lin. Ft., Furnish and Install Four 4-Inch & Six 1-Inch Direct Buried SIC Conduits (Tel/CATV) - UD(2x2-4") & UD(2x3-1"). Work shall consist of excavation and providing 4" & 1" diameter conduits, with spacers, couplings and appurtenances, backfilled per SIC requirements, complete and in place.</p> <p>Per Lin. Ft.</p>	\$ _____	\$ _____

Item No.	Estimated Quantity	Description	Unit Price	Total
127.	20	**Lin. Ft., Furnish and Install Five 4-Inch & Six 1-Inch Direct Buried SIC Conduits (Tel/CATV) - UD(1x5-4") & UD(2x3-1"). Work shall consist of excavation and providing 4" & 1" diameter conduits, with spacers, couplings and appurtenances, backfilled per SIC requirements, complete and in place.		
		Per Lin. Ft.	\$ _____	\$ _____
128.	20	**Lin. Ft., Furnish and Install One 3-Inch Direct Buried CATV Conduit. Work shall consist of excavation and providing 3" diameter conduits, with spacers, couplings and appurtenances, backfilled per HELCO requirements, complete and in place.		
		Per Lin. Ft.	\$ _____	\$ _____
129.	1	**Each, CATV Power Supply. Work shall consist of providing metering equipment, enclosure, conduit, wiring and all appurtenances required for the installation, as indicated on the drawings, complete and in place.		
		Each	\$ _____	\$ _____

Item No.	Estimated Quantity	Description	Unit Price	Total
130.	3	<p>**Each, Furnish and Install 13"x24"x36" fibre reinforced plastic handhole with non-skid surface polymer concrete 20K "Traffic" rated covers, "SIC" inscribed on covers. Provided in accordance with Sandwich Isles Communications requirements. Type UHC 13x24.</p>		
		Each	\$ _____	\$ _____
131.	14	<p>**Each, Furnish and Install 30"x48"x33" fibre reinforced plastic handhole with non-skid surface polymer concrete 20K "Traffic" rated covers, "SIC" inscribed on covers. Provided in accordance with Sandwich Isles Communications requirements, Type UHC 30x48.</p>		
		Each	\$ _____	\$ _____
132.	3	<p>**Each, Furnish and Install 3'-9" x 5'- 9" x 3'-10.5" reinforced concrete handhole with two piece hinged non- skid surface polymer concrete 20K "Traffic" rated covers, "SIC" inscribed on covers. Provided in accordance with Sandwich Isles Communications requirements, Type UH3x5.</p>		
		Each	\$ _____	\$ _____

Item No.	Estimated Quantity	Description	Unit Price	Total
133.	6	**Each, Furnish and Install 3'-9" x 5'-9" x 3'-7" reinforced concrete manhole with traffic rated frame and covers, provided in accordance with Sandwich Isles Communications requirements, Type UM-35.		
		Each	\$ _____	\$ _____
134.	1	**Each, Furnish and Install 4'-0" x 6'-0" x 6'-1/4" reinforced concrete handhole with galvanized slip-not covers, "SIC" inscribed on covers. Provided in accordance with Sandwich Isles Communications requirements, Type UH-4x6.		
		Each	\$ _____	\$ _____
135.	9	**Each, Furnish and Install Housing Ground Assembly Unit BM 2(5/8)(8), with copper clad ground rod clamp and the required length of bare #6 AWG tinned copper ground wire connected to an auxiliary grouding connector within the housing, provided in accordance with SIC standard requirements, complete and in place.		
		Each	\$ _____	\$ _____
TOTAL - SANDWICH ISLES COMMUNICATION, INC. (SIC) WORK (Items 114 TO 135, inclusive)				\$ _____

PART I
LALAMILO HOUSING PHASE 2A, INCREMENT 1
WAIMEA, SOUTH KOHALA, ISLAND OF HAWAII

RECAPITULATION

PART I.A. – LALAMILO HOUSING PHASE 2A, INCREMENT 1 (EXCLUDING GET)

TOTAL – ROAD CONSTRUCTION

(Items 1 to 21, inclusive).....\$ _____

TOTAL – DRAINAGE SYSTEM

(Items 22 to 55, inclusive).....\$ _____

TOTAL – WATER SYSTEM

(Items 56 to 82, inclusive).....\$ _____

TOTAL – MASS GRADING

(Items 83 to 91, inclusive).....\$ _____

TOTAL – UNDERGROUND ELECTRIC AND AREA LIGHTING SYSTEMS

(Items 92 to 113, inclusive).....\$ _____

TOTAL – PART I.A. (EXCLUDING GET)

(Items 1 to 113, inclusive).....\$ _____

PART I.B. – SANDWICH ISLES COMMUNICATION, INC. (SIC) WORK
(INCLUDING GET)

(Items 114 to 135, inclusive).....\$ _____

Item No.	Estimated Quantity	Description	Unit Price	Total
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PART II

**PART II.A – KAWAIHAE ROAD IMPROVEMENTS AT SOUTH KOHALA
DISTRIBUTION ROAD
(EXCLUDING GET)**

KAWAIHAE ROAD – STATE R/W

ROAD RECONSTRUCTION

The price shall include reconstruction of the roadway prism, base courses, and other items as called for in the plans, including labor, tools, equipment and all incidental work necessary to construct the roadway as indicated on the plans, in place complete.

1.	0.2	Acres, Clearing and Grubbing inclusive of Proof-Rolling, and Removal of Top 8 inches of Organic Material.		
		Per Acre	\$ _____	\$ _____
2.	385	Cu. Yds., Embankment, inclusive of Hauling, Placing and Compacting (per recommendations in the soils report).		
		Per Cu. Yd.	\$ _____	\$ _____
3.	779	Sq. Yds., Hot Mix Asphalt Concrete Pavement, State Mix No. IV (2-1/2" minimum thickness).		
		Per Sq. Yd.	\$ _____	\$ _____

Item No.	Estimated Quantity	Description	Unit Price	Total
4a.	779	Sq. Yds., Asphalt Concrete Base Course (8" minimum thickness).		
		Per Sq. Yd.	\$ _____	\$ _____
4b.	110	Cu. Yds., Aggregate Subbase Course (12" minimum thickness).		
		Per Cu. Yd.	\$ _____	\$ _____
5.	L.S.	Temporary Erosion Control (inclusive of, but not limited to, NPDES permit requirements, roadway cleaning).		
		Lump Sum		\$ _____
6.	L.S.	Temporary Traffic Control Measures (may be subject to change depending on striping removal schedule).		
		Lump Sum		\$ _____
7.	L.S.	Remove all Existing Striping and Pavement Markers as indicated within project documents.		
		Lump Sum		\$ _____
8.	L.S.	Remove and Relocate Existing "Waimea Transfer Station" and "SPEED LIMIT" Signs.		
		Lump Sum		\$ _____
9.	910	Lin. Ft., Remove and Relocate Existing Barbed Wire Fence.		
		Per Lin. Ft	\$ _____	\$ _____

Item No.	Estimated Quantity	Description	Unit Price	Total
10.	3	Relocate Existing Rumble Strips.		
		Each	\$ _____	\$ _____
11.	0	Lin. Ft., 4-inch wide White Pavement Striping (thermoplastic extrusion) with Type "C" Raised Pavement Markers @ 40' O.C.		
		Per Lin. Ft.	\$ _____	\$ _____
12.	0	Lin. Ft., 4-inch wide Double Yellow Pavement Striping (thermoplastic extrusion) with Type "D" Raised Pavement Markers @ 20' O.C.		
		Per Lin. Ft.	\$ _____	\$ _____
13.	0	Lin. Ft., 4-inch wide Double Yellow Median Pavement Striping (thermoplastic extrusion) with Type "H" Raised Pavement Markers @ 20' O.C.		
		Per Lin. Ft.	\$ _____	\$ _____
14.	0	Lin. Ft., 8-inch wide White Channel Striping (thermoplastic extrusion) with Type "C" Pavement Markers @ 20' O.C.		
		Per Lin. Ft.	\$ _____	\$ _____
15.	0	Lin. Ft., 4-inch wide White Guidelines Striping (thermoplastic extrusion).		
		Per Lin. Ft.	\$ _____	\$ _____

Item No.	Estimated Quantity	Description	Unit Price	Total
16.	L.S.	12-inch wide Yellow Diagonal Striping (thermoplastic extrusion) at Median.		
		Lump Sum		\$ _____
17.	L.S.	12-inch wide White Stop Bar.		
		Lump Sum		\$ _____
18.	L.S.	4-inch wide Yellow Guidelines.		
		Lump Sum		\$ _____
19.	L.S.	Lane Reduction, Right-Turn and Left-Turn Arrow Pavement Markings.		
		Lump Sum		\$ _____
19a.	L.S.	Centerline Pavement Striping, Intersection Markings and Raised Pavement Markers.		
		Lump Sum		\$ _____
20.	1	Each, Traffic Sign with Post, 30"x36" R3-5(R), in place complete.		
		Each	\$ _____	\$ _____
		TOTAL – ROAD RECONSTRUCTION (Items 1 to 20, inclusive)		\$ _____

Item No.	Estimated Quantity	Description	Unit Price	Total
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UNDERGROUND ELECTRIC AND
AREA LIGHTING SYSTEMS

The prices bid herein for the following items shall include all labor, tools and equipment, materials except that to be supplied by the Utility Companies, appurtenances and incidentals necessary to install or to construct the following items in place and complete in accordance with the drawings and specifications and standard practices of Hawaii Electric & Light Co. (HELCO), Sandwich Isles Communication, Inc, (SIC) and to the satisfaction of the DHHL.

21.	450	Lin. Ft., Street Lighting Circuit(s) (Multiple System). Work shall consist of providing cables and accessories from street lighting standard to nearest HELCO secondary cable, complete and in place.		
			Per Lin. Ft.	\$ _____ \$ _____
22.	1	Each, Remove Existing Street Light and Bracket Arm from Existing Utility Pole. Coordinate with State of Hawaii.		
			Each	\$ _____ \$ _____

Item No.	Estimated Quantity	Description	Unit Price	Total
23.	4	Each, Furnish and Install Street Light and Bracket Arm (180W). Work shall consist of providing street lighting luminaire and bracket arm in accordance with the State of Hawaii's Department of Transportation Highways Division Design Branch Standard Plans and as indicated on the drawings, complete and in place.		
		Each	\$	\$
24.	L.S.	Allowance for Relocation of HELCO overhead pole line. Contractor shall pay the HELCO charges for the relocation work along Kawaihae Road using this allowance but shall not add construction burden, administrative charges and taxes. Used remainder of the Allowance to remain with the State.		
		Lump Sum		\$ 20,000
25.	L.S.	Allowance for Relocation of HTCO overhead pole line. Contractor shall pay the HTCO charges for the relocation work along Kawaihae Road using this allowance but shall not add construction burden, administrative charges and taxes. Used remainder of the Allowance to remain with the State.		
		Lump Sum		\$ 20,000
TOTAL - UNDERGROUND ELECTRIC AND AREA LIGHTING SYSTEMS (Items 21 to 25, inclusive)				\$

Item No.	Estimated Quantity	Description	Unit Price	Total
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PART II.B. – SANDWICH ISLES COMMUNICATIONS, INC WORK (INCLUDING GET)

** Note: Sandwich Isles
Communications, Inc. Items

The prices bid herein for the following items shall include all labor, tools and equipment, materials except that to be supplied by Sandwich Isles Communications, Inc. (SIC), appurtenances and incidentals necessary to install or to construct the following items in place and complete in accordance with the drawings and specifications and standard practices of Sandwich Isles Communications, Inc., the State of Hawaii's Department of Transportation, Highways Division, and to the satisfaction of the DHHL.

26.	90	<p>**Lin. Ft., Furnish and Install Two 4-Inch Concrete Encased SIC Conduits (Tel/CATV) - UD(1x2-4"). Work shall consist of excavation and providing 4" diameter conduits, with spacers, couplings, appurtenances and concrete jacket, backfilled per SIC requirements, complete and in place.</p>
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Per Lin. Ft.	\$		\$	
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Item No.	Estimated Quantity	Description	Unit Price	Total
27.	1	<p>**Ea, SIC Manhole Conduit Entry.</p> <p>Work shall consist of core drilling existing SIC Manhole for new duct penetration, patch and grout to match existing condition. Coordinate work with SIC & State of Hawaii for scheduling and provide per SIC requirements. Excavation required to expose wall face shall be considered incidental to this item.</p>	Each	
			\$	\$
<p>TOTAL – SANDWICH ISLES COMMUNICATION (SIC) WORK (Items 26 to 27, inclusive)</p>				\$

PART II
LALAMILO HOUSING PHASE 2A,
KAWAIHAE ROAD IMPROVEMENTS AT SOUTH KOHALA DISTRIBUTION ROAD
WAIMEA, SOUTH KOHALA, ISLAND OF HAWAII

RECAPITULATION

PART II.A. – LALAMILO HOUSING PHASE 2A,
KAWAIHAE ROAD IMPROVEMENTS AT SOUTH KOHALA DISTRIBUTION ROAD
(EXCLUDING GET)

TOTAL – ROAD RECONSTRUCTION
(Items 1 to 20, inclusive)\$ _____

TOTAL – UNDERGROUND ELECTRIC AND AREA LIGHTING SYSTEMS
(Items 21 to 25, inclusive)\$ _____

TOTAL – PART II.A. (EXCLUDING GET)
(Items 1 to 25, inclusive)\$ _____

PART II.B. – SANDWICH ISLES COMMUNICATION, INC (SIC) WORK
(INCLUDING GET)
(Items 26 to 27, inclusive).....\$ _____

Item No.	Estimated Quantity	Description	Unit Price	Total
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PART III – MISCELLANEOUS (EXCLUDING GET)

MISCELLANEOUS

The price for the following items shall include all labor, tools, equipment, material and incidentals necessary to construct the following items, in place complete.

1.	L.S.	Mobilization, including Obtaining Insurance, Bonds, Permits, Scheduling, Submittal, and Other Activities to Mobilize for Project. (maximum \$25,000).	Lump Sum	\$ _____
2.	L.S.	Project Sign, in place complete.	Lump Sum	\$ _____
3.	Allowance	Field Office, including Installation and Removal.	Lump Sum	\$ <u>35,000</u>
4.	L.S.	Demobilization, including Removing Excess Materials, and Equipment, Clean-up, Report After Grading, including certification (as graded topographical survey and certification letter for grader). Maximum \$25,000.	Lump Sum	\$ _____
5.	Allowance	Field Directed Changes by DHHL.	Allowance	\$ <u>350,000</u>
TOTAL – MISCELLANEOUS (Items 1 to 5, inclusive)				\$ _____

PART III
LALAMILO HOUSING PHASE 2A, INCREMENT 1 AND KAWAIHAE ROAD
IMPROVEMENTS AT SOUTH KOHALA DISTRIBUTION ROAD
WAIMEA, SOUTH KOHALA, ISLAND OF HAWAII

RECAPITULATION

PART III – MISCELLANEOUS (EXCLUDING GET)

TOTAL – MISCELLANEOUS

(Items 1 to 5, inclusive)\$ _____

TOTAL – PART III – MISCELLANEOUS (EXCLUDING GET)

(Items 1 to 5, inclusive)\$ _____

**PART I
LALAMILO HOUSING PHASE 2A, INCREMENT 1
WAIMEA, SOUTH KOHALA, ISLAND OF HAWAII**

**PART II
LALAMILO HOUSING PHASE 2A,
KAWAIHAE ROAD IMPROVEMENTS AT SOUTH KOHALA DISTRIBUTION ROAD
WAIMEA, SOUTH KOHALA, ISLAND OF HAWAII**

AND

**PART III
LALAMILO HOUSING PHASE 2A, INCREMENT 1 AND KAWAIHAE ROAD
IMPROVEMENTS AT SOUTH KOHALA DISTRIBUTION ROAD
WAIMEA, SOUTH KOHALA, ISLAND OF HAWAII**

RECAPITULATION

TOTAL – PART I.A. AND II.A. (EXCLUDING GET)

(PART I.A. Items 1 to 113, inclusive; and PART II.A.

Items 1 to 25, inclusive).....\$ _____

TOTAL – PART I.B. AND II.B.

SANDWICH ISLES COMMUNICATION, INC. (SIC) WORK (INCLUDING GET)

(PART II.B. Items 114 to 135, inclusive; and

PART II.B. Items 26 to 27, inclusive)\$ _____

TOTAL – PART III – MISCELLANEOUS (EXCLUDING GET)

(PART III Items 1 to 5, inclusive)\$ _____

TOTAL – AMOUNT FOR COMPARISON OF BIDS

(PARTS I, II and III).....\$ _____

PREFERENCE

It is further understood by the Bidder that if upon being granted Hawaii Products Preference, and being awarded the contract, if the Bidder fails to use such products or meet the requirements of such preference, the Bidder shall be subject to penalties, if applicable.

COMPLIANCE WITH ACT 175, HAWAII PRODUCTS PREFERENCE

Section 103D-1002, Hawaii Revised Statutes (HRS), as amended by Act 175 (Session Laws of Hawaii 2009), provides preference for Hawaii products. The previous Hawaii products list established pursuant to HRS §103D-1002 was suspended effective July 1, 2009, and a new list has been published by the State Procurement Office (SPO) at <http://hawaii.gov/spo/hawaii-public-procurement-code-chapter-103d-hrs/preferences/hawaii-products-lists>. DHHL will be supplementing the list with additional approved products for this solicitation.

Pursuant to HRS §103D-1002(b) (2) and Procurement Circular No. 2011-05, bidders intending to use Hawaii products should distribute the attached SPO-38, *Certification for Hawaii Product Preference*, to each of the manufacturers and producers of such products which bidders intend to use if the manufacturers and producers if their products are not listed on the SPO Hawaii Products List or in the DHHL's list below. The manufacturers and producers must complete and submit SPO-38 to DHHL. The form must be received by DHHL no later than **2:00 p.m., March 12, 2012**. Submittal by facsimile (808 620-9299) is acceptable. If DHHL receives and approves SPO-38s relating to this solicitation DHHL will issue an addendum of certified and qualified Hawaii products by **2:00 p.m., March 16, 2012**.

Bidders may claim a Hawaii product preference for products that it manufactures or produces with its own workforce and equipment. The SPO-38, *Certification for Hawaii Product Preference*, must be submitted in accordance with the procedures described above in order for Bidder to claim a Hawaii product preference for such Hawaii products Bidder intends to use in this work.

A partial list of approved products is provided below.

Forms SPO-38, *Certification for Hawaii Product Preference* for the following Hawaii products have been received in compliance with the above.

Aggregates – Basaltic Termite Barrier							
Product Subcategory as applicable	Effective	Revised	Manufacturer	Oahu	Maui	Hawaii	Kauai
	11/03/09		Ameron International Corporation	X	X		

Aggregates and Sand – Basalt, Rock, Cinder, Limestone and Coral

Product Subcategory as applicable	Effective	Revised	Manufacturer	Oahu	Maui	Hawaii	Kauai
	11/03/09		<u>Ameron International Corporation</u>	X	X		
	10/23/09		<u>CTS Earthmoving, Inc.</u>			X	
	11/03/09	1/20/10	<u>Delta Construction Corporation</u>	X			
	12/14/09		<u>Edwin Deluz Trucking & Gravel LLC</u>			X	
	01/28/10		<u>Goodfellow Bros., Inc.</u>	X			
	11/02/09		<u>Grace Pacific</u>	X		X	X
	4/26/11		<u>GW Construction</u>			X	
	11/03/09		<u>Hawaiian Cement</u>	X	X		
	12/15/09		<u>Jas. W. Glover, Ltd.</u>			X	X
	06/30/10		<u>Kauai Aggregates</u>				X
	10/20/09	07/22/10	<u>Sanford's Service Center, Inc.</u>			X	
	11/05/09		<u>Tileco, Inc.</u>	X	X	X	X
	11/03/09		<u>West Hawaii Concrete</u>			X	
	11/02/09		<u>Yamada and Sons, Inc.</u>			X	

Aggregates – Recycled Asphalt and Concrete

Product Subcategory as applicable	Effective	Revised	Manufacturer	Oahu	Maui	Hawaii	Kauai
	12/15/09		<u>Glover Honsador</u>				X
	11/02/09		<u>Grace Pacific</u>	X			
	12/15/09		<u>Jas. W. Glover, Ltd.</u>	X		X	
	10/18/10		<u>West Oahu Aggregate Co. Inc.</u>	X			

Asphalt and Paving Materials - HI Products

Product Subcategory as applicable	Effective	Revised	Manufacturer	Oahu	Maui	Hawaii	Kauai
	06/15/10		<u>Black Maui Rose LLC</u>		X		
	12/22/09		<u>Black Plumeria LLC</u>	X			
	10/21/09	11/02/09	<u>Grace Pacific Corporation</u>	X		X	X
	12/05/09		<u>Jas. W. Glover, Ltd.</u>			X	X
	11/03/11		<u>Maui Asphalt X-IV, LLC</u>		X		
	10/28/09		<u>Maui Paving LLC</u>		X		
	11/20/09		<u>Walker-Moody Pavement Products and Equipment</u>	X	X	X	X

	11/22/09		<u>Yamada and Sons, Inc.</u> dba YS Rock and Con-Agg of Hawaii			X	
Cement and Concrete Products							
Product Subcategory as applicable	Effective Date	Last Revised Date	Manufacturer	Oahu	Maui	Hawaii	Kauai
	11/03/09		<u>Ameron International Corporation</u>	X			
	01/19/10		<u>BOMAT, Ltd.</u>	X	X	X	X
	12/15/09		<u>Glover Honsador</u>				X
	11/03/09		<u>Hawaiian Cement</u>	X	X		
	12/15/09		<u>Jas. W. Glover, Ltd.</u>			X	X
	12/15/09		<u>Kohala Coast Concrete & Precast LLC</u>			X	
	06/30/10		<u>O. Thronas, Inc.</u>				X
	11/05/09		<u>Tileco, Inc.</u>	X	X	X	X
	11/03/09		<u>West Hawaii Concrete</u>			X	
Precast Concrete Products							
Product Subcategory as applicable	Effective Date	Revised Date	Manufacturer	Oahu	Maui	Hawaii	Kauai
	7/12/10		<u>Aloha Precast, Inc.</u>	X	X	X	X
	11/03/09	04/15/10	<u>Ameron International Corporation</u>	X			
	08/02/10		<u>GPRM Prestress, LLC</u>	X	X	X	X
	11/03/09		<u>Hawaii Concrete Products, Inc.</u>	X			
	12/15/09		<u>Kohala Coast Concrete & Precast LLC</u>			X	
	11/03/09		<u>Ramtek Fabrication Co., Inc.</u>	X	X	X	X
	06/30/10	02/26/10	<u>Walker Industries, Ltd.</u>	X	X	X	X
Environmental Sewage-Treatment Innovative System (ESIS) Individual Wastewater System which utilizes anaerobic/aerobic processing to treat wastewater to R-2 quality at discharge							
Product Subcategory as applicable	Effective	Revised	Manufacturer	Oahu	Maui	Hawaii	Kauai
	11/20/09		<u>Environmental Waste Management Systems, Inc.</u>	X	X	X	X
Septic Tanks	11/03/09		<u>Ameron International Corporation</u>	X			
	11/05/09	02/26/10	<u>Walker Industries, Ltd.</u>	X	X	X	X

Hot Dip Galvanizing							
Product Subcategory as applicable	Effective Date	Revised Date	Manufacturer	Oahu	Maui	Hawaii	Kauai
	03/03/10		<u>Universal Associates, Inc.</u>	X			
Pipes-Aluminum and Galvanized							
Product Subcategory as applicable	Effective Date	Revised Date	Manufacturer	Oahu	Maui	Hawaii	Kauai
Pipes-Miscellaneous	11/03/09		<u>Ameron International Corporation</u>	X			
Aluminum Docks, Floating, etc. - Miscellaneous							
Product Subcategory as applicable	Effective	Revised	Manufacturer	Oahu	Maui	Hawaii	Kauai
	05/25/10	06/14/10	<u>Bluewater Marine and Dock Specialties</u>	X	X	X	X
Playground Surfaces							
Product Subcategory as applicable	Effective	Revised	Manufacturer	Oahu	Maui	Hawaii	Kauai
	01/07/10		<u>Innovative Playgrounds and Recreation, Inc.</u>	X	X	X	X
Signs - Traffic, Regulatory and Construction							
Product Subcategory as applicable	Effective	Revised	Manufacturer	Oahu	Maui	Hawaii	Kauai
	12/14/09		<u>GP Roadway Solutions, Inc.</u>	X	X	X	X
	11/20/09		<u>Safety Systems Hawaii, Inc.</u>	X	X	X	X
Veneer							
Product Subcategory as applicable	Effective	Revised	Manufacturer	Oahu	Maui	Hawaii	Kauai
	11/14/11		<u>Big Rock Manufacturing</u>	x	x	x	x

Soil Amendments, Mulch, Compost

Product Subcategory as applicable	Effective Date	Revised Date	Manufacturer	Oahu	Maui	Hawaii	Kauai
	10/16/09		Kauai Nursery & Landscaping, Inc.	X	X	X	X
	10/20/09		Sanford's Service Center, Inc.			X	

Compost Filter

Product Subcategory as applicable	Effective Date	Revised Date	Manufacturer	Oahu	Maui	Hawaii	Kauai
	01/25/10		EnviroTech BioSolutions Hawaii, Inc.	X	X	X	X
	6/02/11		Certified Erosion Control Hawaii LLC	X	X	X	X

SCHEDULE OF ACCEPTABLE HAWAII PRODUCTS AND DESIGNATION OF HAWAII PRODUCTS TO BE USED

ACCEPTABLE HAWAII PRODUCTS		HAWAII PRODUCTS TO BE USED Cost FOB Jobsite, Unloaded Including Applicable General Excise and Use Taxes	
Description	Manufacturer	Base Bid	Additive Alternate
		\$ _____	\$ _____
		\$ _____	\$ _____
		\$ _____	\$ _____
		\$ _____	\$ _____
		\$ _____	\$ _____
		\$ _____	\$ _____
		\$ _____	\$ _____

The Bidder agrees that preference for Hawaii products shall be taken into consideration to determine the low Bidder in accordance with said sections and the rules promulgated; however, the award of contract will be in the amount of the bid offered exclusive of any preferences.

APPRENTICESHIP AGREEMENT PREFERENCE

Hawaii Revised Statutes §103-55.6 (ACT 17, SLH 2009) provides for a Hawai'i Apprenticeship Preference for public works contracts having an estimated value of \$250,000.00 or more. The preference shall be in the form of a 5% bid adjustment applied to the bidder's amount for bidders that are parties to apprenticeship agreements. The estimated value of this public works contract is \$250,000.00 or more and the apprenticeship agreement preference **shall** apply.

To be eligible for the preference, the bidder shall:

1. Be a party to an apprenticeship agreement registered with the DLIR at the time the bid is made for each apprenticeable trade the bidder will employ to construct the public works project for which the bid is being made.
 - a. The apprenticeship agreement shall be registered and conform to the requirements of HRS Chapter 372.
 - b. Subcontractors do not have to be a party to an apprenticeship agreement for the bidder to obtain the preference.
 - c. The bidder is not required to have apprentices in its employ at the time the bid is submitted to qualify for the preference.
 - d. If a bidder's employee is multi-skilled and able to perform work in more than one trade (for example, a project requires a carpenter and a laborer, and the employee is a carpenter, but is also able to perform the work of a laborer), the bidder need only be a party to the carpenter's apprenticeship agreement and does not need to be a party to the laborer's apprenticeship agreement in order to qualify for the preference. The bidder is not "employing" a laborer, only a carpenter, and so only needs to be a party to the carpenter's apprenticeship agreement.
 - e. Qualification for the preference is given on a project-by-project basis and depends upon the specific offer for a specific project. A bidder's employees may vary from project to project and may qualify for the preference on one project but may not qualify on another project. For example, on one project, if the bidder only employs carpenters to perform work in the carpentry and labor trades, then the bidder only needs to be a party to the carpenter's apprenticeship agreement in order to qualify for the preference. However, on another project if the same bidder employs both carpenters and laborers, then the bidder will not qualify for

the preference if the bidder is only a party to the carpenter's apprenticeship agreement and not the laborer's apprenticeship agreement.

2. State the trades the bidder will employ to perform the work;
3. For each trade to be employed to perform the work, the bidder shall submit a completed signed original *CERTIFICATION OF BIDDER'S PARTICIPATION IN APPROVED APPRENTICESHIP PROGRAM UNDER ACT 17 (Certification Form 1)* verifying the participation in an apprenticeship program registered with the State Department of Labor and Industrial Relations (DLIR);
4. The *Certification Form 1* shall be authorized by an apprenticeship sponsor of the DLIR list of registered apprenticeship programs. The authorization shall be an original signature by an authorized official of the apprenticeship sponsor; and
5. The completed *Certification Form 1* for each trade must be submitted by the bidder with the offer. A facsimile or copy is acceptable to be submitted with the offer; however, the completed signed original must be submitted within five (5) working days of the due date of the offer. If the signed original is not received within this timeframe, the preference may be denied. Previous certifications shall not apply.

Failure to comply with ALL of the conditions noted above, without exception, shall disqualify the Bidder from qualifying for, and thus receiving, benefit of the Hawai'i Apprenticeship Preference.

The *Certification Form 1* and the List of Construction Trades in Registered Apprenticeship Programs is available on the DLIR website at: <http://hawaii.gov/labor/wdd>

Upon receiving *Certification Form 1*, the DHHL will verify with DLIR that the apprenticeship program is on the list of apprenticeship programs registered with the DLIR. If the program(s) are not confirmed by the DLIR, the bidder will not qualify for the preference.

If the bidder is certified to participate in an apprenticeship program for each trade which will be employed by the bidder for the project, a preference will be applied to decrease the bidder's total bid amount by five per cent (5%) for evaluation purposes.

Should the bidder qualify for other preferences (for example, Hawaii Products Preference), all applicable preferences shall be applied to the bid amount.

While preference for Hawai'i Apprenticeship will be taken into consideration to determine the low bidder, the contract awarded shall be the original bid amount, exclusive of any preferences. The preference is only for evaluation purposes.

The bidder hereby certifies that it will employ the following apprenticeable trades to perform the work for this project:

<u>LIST OF APPRENTICEABLE TRADES TO BE EMPLOYED</u>	
<u>TRADE</u>	<u>APPRENTICESHIP PROGRAM SPONSOR</u>

(Add additional sheets if necessary)

ALL JOINT CONTRACTORS OR SUBCONTRACTORS TO BE ENGAGED ON THIS PROJECT

The Bidder certifies that the following is a complete listing of all joint Contractors or Subcontractors covered under Chapter 444, Hawaii Revised Statutes, who will be engaged by the Bidder on this project to perform the nature and scope of work indicated pursuant to Section 103D-302, Hawaii Revised Statutes, and understands that failure to comply with this requirement shall be just cause for rejection of the bid.

The Bidder further understands that only those joint Contractors or Subcontractors listed shall be allowed to perform work on this project and that all other work necessary shall be performed by the Bidder with his own employees. If no joint Contractor or Subcontractor is listed, it shall be construed that all of the work shall be performed by the Bidder with his own employees.

The Bidders must be sure that they possess and that the Subcontractors listed in the bid possess all the necessary licenses needed to perform the work for this project. The bidder shall be solely responsible for assuring that all the specialty licenses required to perform the work are covered in his bid.

The Bidder 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 Contractor's Licensing Board may cause rejection of the bid submitted.

Complete Firm Name of Joint Contractor or Subcontractor for Total Sum Bid	License Number	Nature and Scope of Work to be Performed

(Add additional sheets if necessary)

METHOD OF AWARD

Bidder is required to bid on the entire project. The low bidder shall be determined by the procedures outlined in items 1) through 4) below:

- 1) Prior to opening of bids, the State will determine the amount of funds available for the project. This amount will be designated the "control amount". The control amount shall be announced at, and prior to the opening of bids.
- 2) The Base Bid and Alternate, if any, of each Bidder will be adjusted to reflect the applicable preferences in accordance with Chapter 103D, HRS. The Alternate, if any, will then be added to the Base Bid and compared with the control amount.
- 3) The low bidder shall be the Bidder having the lowest aggregate amount, within the control amount (after application of the various preferences), for the Base Bid plus the Alternate, if any.
- 4) If adding the Alternate, if any, would make the aggregate amount exceed the control amount for all Bidders, the low bidder shall be the Bidder having the lowest Base Bid after application of the various preferences.

It is further understood and agreed that:

- 1) The Chairman reserves the right to reject any and/or all bids and waive any defects when, in his opinion, such rejection or waiver will be in the best interest of the State.
- 2) After determining the low bidder, an award may be made either on the amount of the Base Bid alone, or including the Alternate (exclusive of preferences), if:
 - a. It is in the best interest of the State;
 - b. Funds are available at time of the award; and
 - c. The combination of the Base Bid plus Alternate does not change the apparent low bidder.
- 3) In the event the Base Bid for all Bidders exceed the control amount, the Chairman reserves the right to negotiate with the lowest responsible and responsive bidder to award a contract within available funds.
- 4) In the event the award is made for the Base Bid alone, the Chairman reserves the right to amend the contract at a later date to include the Alternate should funds subsequently become available.

OTHER CONDITIONS

- 1) The liquidated damages per working day for failure to complete the work on time have been determined and are noted in the Special Conditions.
- 2) By submitting this bid, the undersigned is declaring that his firm has not been assisted or represented on this matter by an individual who has, in a State capacity, been involved in the subject matter of this contract in the past one (1) year.
- 3) By submitting this bid, the undersigned is declaring that Bidder's own organization will perform at least 20% of the total contract work.
- 4) Upon the acceptance of the bid by the Chairman, the undersigned must enter into and execute a contract for the same and furnish a Performance and Payment Bond, as required by law. These bonds shall conform to the provisions of Sections 103D-324 and 325, Hawaii Revised Statutes, and any law applicable thereto.
- 5) The quantities given herewith are approximate only and are subject to increase or decrease.
- 6) The estimated quantities shown for items for which a UNIT PRICE is asked in this bid are only for the purpose of comparing on a uniform basis bids offered for the work under this contract. No claim shall be filed for anticipated profit or loss because of any difference between the quantities of the various classes of work done or the materials and equipment actually installed and the said estimated quantities. Payment on UNIT PRICE items will be made only for the actual number of units incorporated into the finished project at the contract UNIT PRICE.
- 7) If the product of the UNIT PRICE BID and the number of units does not equal the total amount stated by the undersigned in the Bid for any item, it will be assumed that the error was made in computing the total amount. For the purpose of determining the lowest Bidder, the stated UNIT PRICE alone will be considered as representing the Bidder's intention and the total amount bid on such items shall be considered to be the amount arrived at by multiplying the UNIT PRICE by the number of units.
- 8) Certification for Safety and Health Programs for Bids in Excess of \$100,000. In accordance with Sections 103D-327 and 396-18, Hawaii Revised Statutes, by submitting this bid, the undersigned certifies that his firm will have a written Safety and Health Plan for this project that will be available and implemented by the Notice to Proceed date of this project. Details of the requirements of this plan may be obtained from the Department of Labor and Industrial Relations, Occupational, Safety and Health Division.

- 9) Anti-Collusion Certification. By submitting this bid, the undersigned is declaring that the price submitted is independently arrived at without collusion.
- 10) Any contract arising out of this offer is subject to the approval of the Department of the Attorney General as to form, and to all further approvals, including the approval of the Governor, required by statute, regulation, rule, order, or other directive.
- 11) Compliance with Hawaii Revised Statutes (HRS) Chapter 103B as amended by Act 192, SLH 2011 - Employment of State Residents on Construction Procurement Contracts. – See Special Conditions #16 (SC-16) – Attachment – S5 AG-015 for provisions.

Receipt of the following addenda issued by the Department is acknowledged by the date(s) of receipt indicated below:

	Date		Date
Addendum No. 1	<u>March 12, 2012</u>	Addendum No. 5	<u></u>
Addendum No. 2	<u></u>	Addendum No. 6	<u></u>
Addendum No. 3	<u></u>	Addendum No. 7	<u></u>
Addendum No. 4	<u></u>	Addendum No. 8	<u></u>

It is understood that failure to receive any such addendum shall not relieve the Contractor from any obligation under this IFB as submitted.

Bid Security in the amount of:

DOLLARS (\$)

as required by law, is enclosed herewith in the form of:

<input type="checkbox"/> Surety Bond (*1)	<input type="checkbox"/> Official Check (*3)
<input type="checkbox"/> Legal Tender (*2)	<input type="checkbox"/> Share Certificate (*3)
<input type="checkbox"/> Cashier's Check (*3)	<input type="checkbox"/> Teller's Check (*3)
<input type="checkbox"/> Certificate of Deposit (*3)	<input type="checkbox"/> Treasurer's Check (*3)
<input type="checkbox"/> Certified Check (*3)	

Respectfully submitted,

Name of Company, Joint Venture or Partnership

License No.

By
Signature (*4)

Title:

Date:

Address:

Telephone No.: _____

(IF A CORPORATION, AFFIX CORPORATE SEAL TO SIGNATURE, BE SURE TO FILL IN ATTACHED LIST OF SUBCONTRACTORS. THIS BID FORM MAY NOT BE ALTERED AND BIDDERS MAY NOT QUALIFY OR CONDITION THEIR BIDS IN ANY WAY.)

PLEASE FILL OUT THE ATTACHED CERTIFICATE OF RESOLUTION GIVING EVIDENCE OF THE AUTHORITY OF THIS OFFICER TO SUBMIT BIDS ON BEHALF OF THE COMPANY.

NOTES:

- *1. Surety bond underwritten by a company licensed to issue bonds in this State;
- *2. Legal tender; or
- *3. A certificate of deposit; share certificate; or cashier's, treasurer's, teller's, or official check accepted by, and payable on demand to the State by a bank, a savings institution, or credit union insured by the Federal Deposit Insurance Corporation of the National Credit Union Administration.
 - 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 shall be accepted.
- *4. Please attach to this page evidence of the authority of this officer to submit bids on behalf of the Company, and also the names and residence addresses of all officers of the Company.
- *5. Fill in all blank spaces with information asked for or bid may be invalidated. BID MUST BE INTACT; MISSING PAGES MAY INVALIDATE YOUR BID.

CERTIFICATE OF RESOLUTION

I, _____, Secretary of _____, a Hawaii Corporation, do hereby certify that the following is a full, true and correct copy of a resolution duly adopted by the Board of Directors of said Corporation, at its meeting duly called and held at the office of the Corporation _____, Hawaii, on ____ day of _____, 20____, at which a quorum was present and acting throughout; and that said resolution has not been modified, amended or rescinded and continues in full force and effect.

“RESOLVED that any individual at the time holding the position of President or Vice President, be, and each of them hereby is, authorized to execute on behalf of the Corporation any bid, proposal or contract for the sale or rental of the products of the Corporation or for the services to be performed by the Corporation and to execute any bond required by any such bid, proposal or contract with the United States Government or the State of Hawaii or the City and County of Honolulu, or any County of Municipal Government of said State, or any department or subdivision of any of them.”

IN WITNESS THEREOF, I have hereunto set my hand and affixed the corporate seal of
said _____ this ____ day of _____, 2010.

Secretary

END OF BID FORM

ADDITIONAL QUESTIONS

Email dated March 12, 2012.

1. Question:

First Bid Item 83 describes clearing and grubbing with removal of top 8 inches of organic material. Specification Section 02100 Part 3.07B calls for 6 inches.

Response:

Bid form item has been revised to removal of top 6 inches.
Bid Form Revision under Addendum No. 3.

83. 39.5 Acres, Clearing and Grubbing, inclusive
 of Proof-Rolling, and Removal of Top 6
 Inches of Organic Material (stripping).

Per Acre \$ _____ \$ _____

2. Question:

Second the quantities in the bid proposal Bid Item 84 do not match the earthwork summary or GBI's grading analysis. The following is a comparison of quantities excluding the 6 inches of removal over the 39.5 acres which amount to approx. 32,000 CY.

Description	Bid Proposal	Sheet C-7 Summary	GBI Analysis
Excavation	94,500 CY	62,700 CY	160,000 CY
Embankment	215,700 CY	109,500 CY	125,000 CY

Response:

Bid form item and drawings have been revised.
Bid Form Revision under Addendum No. 3.

84. 157,200 Cu. Yds., Mass Excavation, inclusive
 of Hauling, Placing and Compacting
 (per the recommendations in the soils
 report) and Grading in the General
 Fill Stockpile and the Rock Fill
 Stockpile. Approximate Embankment
 = 144,000 cubic yards.

Per Cu. Yd. \$ _____ \$ _____

3. **Question:**

Will the contractor be grading to the grades shown on Mass Grading Plans or will grading be held down to a subgrade to allow landscaping.

Response:

The Contractor shall grade to the elevations shown on the Mass Grading Plans.

4. **Question:**

The typical lot section detail is shown on Sheet C-9 but house pad size is not indicated in plans.

Response:

There is no typical house pad size; the finished pad for the lot shall act as the house pad.

5. **Question:**

It appears that the contour for elevation 2418 was omitted in plans, could we please get confirmation that this is what happened and that the rest of the contours are not just mislabeled.

Response:

Elevation contour 2418 was omitted from the plans. Plans have been revised to show contour 2418.

Email dated March 12, 2012.

1. **Question:**

For clarification, can you please confirm that the 4" of aggregate base as shown on the typical road section sheets will be paid for under the 4" thick concrete sidewalk bid item? There is no mention that the base is to be inclusive of the concrete work. Will this also hold true for driveways, etc.?

Response:

Bid Form items have been revised to include the aggregate under the sidewalk, driveways and curb ramps.

Bid Form Revision under Addendum No. 3.

7. 687 Sq. Ft., Curb Ramps with Detectable
Warning Strip. In Place Complete.
Payment for 6" thick Aggregate Base
Course shall be incidental to various
items of work

Per Sq. Ft. \$ _____ \$ _____

8. 2,772 Sq. Ft., Curb Ramp (Truncated) with Detectable Warning Strip. In Place Complete. Payment for 6" thick Aggregate Base Course shall be incidental to various items of work.

Per Sq. Ft. \$ _____ \$ _____

9. 12,740 Sq. Ft., 4" thick, Class A Concrete Driveway Apron, reinforced with 6"x6"- 6/6 Galvanized Welded Wire Fabric, Broom Finished, In Place Complete. Payment of 6" thick Aggregate Base Course shall be incidental to various items of work.

Per Sq. Ft. \$ _____ \$ _____

10. 49,510 Sq. Ft., Plain Class "B" Concrete Sidewalk, 4" thick, In Place Complete. Payment for 4" thick Aggregate Base Course shall be incidental to various items of work.

Per Sq. Ft. \$ _____ \$ _____

2. Question:

Also, please note that almost all the drawings are missing sheet/page numbers making it very hard to reference any details.

Response:

Noted. Per DHHL IFB posting all page numbers and drawing numbers are visible.

Email dated March 12, 2012.

1. Question:

Is there any reinforcement required in the concrete sidewalks, driveways and curb ramps? I do not see any specs that call out for welded wire fabric or similar.

Response:

Concrete sidewalks, driveways and curb ramps shall be built in accordance with County of Hawaii Standards as shown in the "Standard Details for Public Works Construction," dated September 1984.

Email dated March 13, 2012.

1. Question:

We respectfully suggest that in order for all bidders to evaluate the contents and implications of this 185 page document, that an extension of bid date and RFI cut-off date would be appropriate. This is particularly true if, as we suspect, a second addendum is soon to be issued.

Response:

Please see Addendum No. 2 for time extension.

Email dated March 13, 2012.

1. Question:

Will there be an extension for RFI's?

Response:

Please see Addendum No. 2 for time extension.

Email dated March 14, 2012.

1. Question:

The Notice to bidders states that the pre-bid meeting was mandatory, however Item No.1 on Addendum No.1 states it as a "non-mandatory pre-bid meeting". Please advise.

Response:

The pre-bid meeting was **Mandatory**.

2. Question:

The Notice to bidders states the bid opening date is Monday, March 26th, however in the meeting minutes from the pre-bid, under Note 8 "Deadlines" the bid opening date is stated at Tuesday March 27th. Please advise.

Response:

Please see Addendum No. 2 for revised dates.

3. Question:

In my notes at the pre-bid meeting, DHHL stated that it was going to release a new wage rate schedule. There was no new wage rate schedule attached with Addendum No.1 Please advise.

Response:

The new wage rate schedule shall be attached with Addendum No. 3.

4. Question:

At the pre-bid meeting, a question was asked how DHHL was going to deal with wage rate increases during the duration of the project. Please advise.

Response:

The Contractor shall be aware that the Department of Labor and Industrial Relations (DLIR) published the attached updated version of the Wage Rate Bulletin in February 2012. At other times throughout the year DLIR may amend the Bulletin. The Contractor can refer to DLIR website: www.hawaii.gov/labor to sign up for notifications of updates via e-mail. This is important because when the Bulletin increases, the Contractor is required to pay their laborers and mechanics at least the prevailing wages published in the bulletin even if the Contractor belongs to the union and the union rate is lower.

5. Question:

On the new Proposal per Addendum No.1 Item 19 was changed from 150lf to 160lf. Please advise if this is correct as it was not mentioned as a change nor was it bolded as the other changes.

Response:

Bid Form Item 19 has been revised.
Bid Form Revision under Addendum No. 3.

19a. L.S. Pavement Markings and Raised
 Pavement Markers, In Place
 Complete.

Lump Sum \$ _____

6. Question:

On sheet C-12 of Lalamilo Housing Phase 2A, Increment 1, 5,480lf of fence is to be removed. What bid item will this be paid under? For documentation, please provide a detail of the existing fence type and condition.

Response:

All demolition of fence work within the Lalamilo Phase 2A, Increment 1 project limits will be done by others. Plans have been revised accordingly.

7. Question:

On sheet C-12 of Lalamilo Housing Phase 2A, Increment 1, 390lf of 4' high barbed wire fence is to be installed. What bid item will this be paid under? Furthermore, what are the specs on this fence, how many strands, galvanized, post distance, etc.?

Response:

All barbed wire fence work within the Lalamilo Phase 2A, Increment 1 project limits will be done by others. Plans have been revised accordingly.

8. Question:

On sheet C-11 of Lalamilo Housing Phase 2A, Increment 1, the combination silt/dust fence does not have a specification for the "Cloth Fabric". Please specify a product or approved material.

Response:

The cloth fabric shall be MIRAFI N140 or approved equal.

9. Question:

On sheet C-4 of Lalamilo Housing Phase 2A, Increment 1, under Department of Health Notes, it states that the Owner is to obtain the UIC permits. Please confirm that DHLL will bear all costs for obtaining the UIC permits.

Response:

DHHL will bear all costs for obtaining UIC permits. UIC permits have been obtained.

10. Question:

On sheet C-4 of Lalamilo Housing Phase 2A, Increment 1, under Compaction Testing, please provide compaction testing for subbase and base on a square footage unit in lieu of linear feet.

Response:

This question refers to the HDOT Techn Manual on Material QC, pages A3-6 and A3-7. The HDOT Techn Manual uses square feet areas. You can change the Compaction Testing notes to reflect the HDOT Manual or use the linear feet dimensions if the square feet equiv is same as the linear feet requirements for the roadway dimensions.

11. Question:

The soils report dated 7/28/2006 by PSC consultants recommend blasting for the underlying basalt layers. Will blasting be allowed for this project?

Response:

On page 9 of the soils report, para titled "Excavation", the report states the materials the contractor will encounter and the different methods of excavating he can use. PSC does not recommend blasting, but only states that it is an option. If contractor wishes to look at blasting, he needs to get DHHL, County and other approvals and maybe his insurance company's approval with the higher liability he will take on.

12. Question:

The soils report dated 7/28/2006 states that a 2' layer of capping fill consisting of 3" minus structural fill be used on all areas of general fill. Please confirm that we will not need a capping fill in general cut areas.

Response:

Capping is not required for cut areas unless the contractor encounters ash, as capping fill is for the dust control, wind and erosion control due to the nature of the exposed subgrade soil after grading because of the presence of ash material.

13. Question:

Will DHHL allow the excavated ash soil to be mixed in with the structural fill so as to be reused on the project?

Response:

It will be difficult to use (contractor made) ash mix as general fill as this will require a lot of monitoring and testing by the inspectors to get the right proportion, but may be possible. The easier way is to take ash offsite (or the construction manager determines where and how ash can be used).

14. Question:

Bid item 84 of the proposal states that there is 94,500cy of Mass Excavation. This is documented on sheet C-7 of Lalamilo Housing Phase 2A, Increment 1 Plans as total excavation of Ash Only. Shouldn't the total quantity of excavation on Bid Item 84 include the other 62,700 CY of excavation as shown in the earthwork summary? Secondly the 215,700 CY of Embankment as noted in Bid Item 84 is shown as 109,500 CY on Sheet C-7. Please advise on the difference.

Response:

Bid form item and drawings have been revised.
Bid Form Revision under Addendum No. 3.

84. 157,200 Cu. Yds., Mass Excavation, inclusive of Hauling, Placing and Compacting (per the recommendations in the soils report) and Grading in the General Fill Stockpile and the Rock Fill Stockpile. Approximate Embankment = 144,000 cubic yards.

Per Cu. Yd. \$ _____ \$ _____

15. Question:

On sheet C-42 of the Lalamilo Housing Phase 2A, Increment 1, the earthwork summary shows additional embankment and excavation quantities. Note 1 states these quantities are not applicable for the mass grading work. Because there is no roadway excavation bid item, are these quantities to be paid under Bid Item No.1 (Fine grading of Roadway Area)?

Response:

Earthwork quantities are measured to the subbase of all roadways. Ash material is not an acceptable fill material.

Email dated March 15, 2012.

1. Question:

Reference Bid Form page 4 Item No. 17; please verify quantity of 6,411 lf of 4" double yellow with type D markers..., our takeoff indicates an approximate quantity of 2,545 lf.

Response:

Striping Items have been revised to a lump sum bid.
Bid Form Revision under Addendum No. 3.

17b. L.S. Pavement Markings and Raised Pavement Markers, In Place Complete.

Lump Sum \$ _____

2. Question:

Reference Bid Form page 5 Item No. 19

Transfer Station missing....,

- 4" white edge
- 4" white island and diagonals
- Single arrows

Response:

Striping Items have been revised to a lump sum bid.

Bid Form Revision under Addendum No. 3.

19a. L.S. Pavement Markings and Raised
Pavement Markers, In Place
Complete.

Lump Sum \$ _____

Email dated March 19, 2012.

1. Question:

The Lalamilo proposal has discrepancies in quantities as listed below:

Item	Proposal Quantity	Plan Takeoff Quantity
57 8" DIP 52	2299 Lf.	2512 Lf.
58 6" DIP 52	1237 Lf.	2271 Lf.
59 4" DIP 52	532 Lf.	128 Lf.
60 8" GV	16 ea.	12 ea.
61 6" GV	4 ea.	4 ea.
62 6" GV	16 ea.	15 ea.
63 4" GV	1 ea.	0 ea.
64 4" GV	1 ea.	0 ea.
65 Valve Box	33 ea.	31 ea.
66 DI Quantities need to be revised – w/ call out on plans		
68 ARV @ CO Box	11 ea.	12 ea.
72 1 1/2" 'C-1' laterals	41 ea.	30 ea.
73 1" 'A' Laterals	39 ea.	28 ea.
74 X Box	121 ea.	88 ea.

Please let me know if changes have been made or if you are currently making changes.

Response:

Bid Form Items have been revised. Please see Bid Form under Addendum No. 3 for changes.

Email dated March 19, 2012.

1. Question:

Usage of One Lok Restraint Glands Manufactured by Sigma and approved by Department of Water Supply Standards 2002, for usage on job: Department of Hawaiian Home Lands IFB No.:IFB-12-HHL-008 Lalamilo Housing Phase 2A in Lieu of Mega Lugs. Bid Date 4-2-2012. Refer questions to A.P. Water Supply Inc. (808) 935-3761 Phone.

Response:

This is acceptable per DWS approval.

Email dated March 20, 2012.

1. Question:

Sorry to bother you again, but could you please review your quantities for the Asphalt Paving on this project. I am spot on your number for the work for Kawaihae; however, I am about 16.5% higher in area for the 2-1/2" paving, and almost double the amount on the 2.0" paving (including the AC swale). Did you include the asphalt swale running down the South Kohala Distribution road as asphalt paved area?

Response:

Bid form items have been revised.

Bid Form Revision under Addendum No. 3.

2. 4,907 Sq. Yds., Hot Mix Asphalt Concrete
Pavement, County Mix No. IV (2"
minimum thickness).

Per Sq. Yd. \$ _____ \$ _____

3. 22,733 Sq. Yds., Hot Mix Asphalt Concrete
Pavement County Mix No. IV (2-1/2"
minimum thickness).

Per Sq. Yd. \$ _____ \$ _____

Email dated March 21, 2012.

1. Question:

By the Plans (Sheet C-22 and C-23), Details (Sheet C-13), and Cross Sections (Sheet C-42) it appears that the South Kohala Distribution Road is going to be graded out and repaved in addition to the shoulder widening. Could you please confirm what bid Items this work will be associated with. It doesn't seem that Bid Items 1-5 of Part I.A. have enough quantity to repave the road or shoulder.

Response:

Bid form items have been revised.
Bid Form Revision under Addendum No. 3.

- | | | | | | |
|----|--------|---|-------------|----------|----------|
| 2. | 4,907 | Sq. Yds., Hot Mix Asphalt Concrete
Pavement, County Mix No. IV (2"
minimum thickness). | Per Sq. Yd. | \$ _____ | \$ _____ |
| 3. | 22,733 | Sq. Yds., Hot Mix Asphalt Concrete
Pavement County Mix No. IV (2-1/2"
minimum thickness). | Per Sq. Yd. | \$ _____ | \$ _____ |

2. Question:

Also could you consider adding an embankment item. Bidding out mass grading per excavation quantity only (Bid Item 84 of Part I.A.) makes it difficult to bid. Adding an embankment item will make it fair for the Bidder as well as DHHL if site conditions are significantly different from what is shown on the plans.

Response:

The Bid Item will remain as is.

Frank J. Camacho

From: Jeffrey.Y.Fujimoto@hawaii.gov
Sent: Monday, March 12, 2012 7:22 AM
To: Frank J. Camacho
Cc: Richard Y. Santo; dlanterman@ssfm.com
Subject: Fw: Lalamilo Housing Phase 2A - Additional Request for Clarifications
Attachments: image001.jpg

Good Morning Frank,

Here's one more request for clarification from Goodfellow Bros. Please prepare a response. Let's try to include this response in Addendum No. 1.

Thanks,

Jeffrey Y. Fujimoto
Department of Hawaiian Home Lands
Land Development Division
91-5420 Kapolei Parkway, Room 124 I
Kapolei, Hawaii 96707
Phone: 808-620-9274, Fax: 808-620-9299
E-mail: jeffrey.y.fujimoto@hawaii.gov

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E-mail: jeffrey.y.fujimoto@hawaii.gov

----- Forwarded by Jeffrey Y Fujimoto/DHHL/StateHILUS on 03/12/2012 07:20 AM -----

From: Kevin Murakane <kevinm@goodfellowbros.com>
To: "Jeffrey.Y.Fujimoto@hawaii.gov" <Jeffrey.Y.Fujimoto@hawaii.gov>
Date: 03/09/2012 07:20 PM
Subject: Lalamilo Housing Phase 2A - Additional Request for Clarifications

Jeffrey,

In the process of doing a grading analysis for the project we have come across a few discrepancies.

First Bid Item 83 describes clearing and grubbing with removal of top 8 inches of organic material. Specification Section 02100 Part 3.07B calls for 6 inches.

Second the quantities in the bid proposal Bid Item 84 do not match the earthwork summary or GBI's grading analysis. The following is a comparison of quantities excluding the 6 inches of removal over the 39.5 acres which amount to approx. 32,000 CY.

Description	Bid Proposal	Sheet C-7 Summary	GBI Analysis
Excavation	94,500 CY	62,700 CY	160,000 CY
Embankment	215,700 CY	109,500 CY	125,000 CY

Will the contractor be grading to the grades shown on Mass Grading Plans or will grading be held down to a subgrade to allow landscaping.

The typical lot section detail is shown on Sheet C-9 but house pad size is not indicated plans.

It appears that the contour for elevation 2418 was omitted in plans, could we please get confirmation that this is what happened and that the rest of the contours are not just mislabeled.

If you have any questions or require any further information please feel free to contact me at 808-960-3807.

Thanks,
Kevin Murakane
Goodfellow Bros., Inc.
P:808-887-6511
F:808-887-6522



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Frank J. Camacho

From: Jeffrey.Y.Fujimoto@hawaii.gov
Sent: Monday, March 12, 2012 1:37 PM
To: Robbie Brown
Cc: Richard Y. Santo; Frank J. Camacho; dlanterman@ssfm.com
Subject: Re: Lalamilo 4" Thick Aggregate Base

Aloha Robbie,

Thank you for your Request for Clarification. DHHL will be issuing an Addendum with a written response to your request.

Jeffrey Y. Fujimoto
Department of Hawaiian Home Lands
Land Development Division
91-5420 Kapolei Parkway, Room 124 I
Kapolei, Hawaii 96707
Phone: 808-620-9274, Fax: 808-620-9299
E-mail: jeffrey.y.fujimoto@hawaii.gov

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E-mail: jeffrey.y.fujimoto@hawaii.gov

From: Robbie Brown <robbiekbrown@gmail.com>
To: jeffrey.y.fujimoto@hawaii.gov
Date: 03/12/2012 12:57 PM
Subject: Lalamilo 4" Thick Aggregate Base

Aloha Jeffry.

For clarification, can you please confirm that the 4" of aggregate base as shown on the typical road section sheets will be paid for under the 4" thick concrete sidewalk bid item. Their is no mention that the base is to be inclusive of the concrete work. Will this also hold true for drive ways, etc?

Also, please not that almost all the drawings are missing sheet/page numbers making it very hard to reference any details. Please confirm recipet of this email.

Mahalo.

Robbie Brown
Project Manager/Estimator
Keauhou Kona Construction Corporation
PO Box 9007, Kailua Kona HI, 96745
(P) 808-325-0199 Ex. 2910

(F) 808-325-7460
(C) 808-345-2378

[attachment "robbiekbrown.vcf" deleted by Jeffrey Y Fujimoto/DHHL/StateHiUS]

Frank J. Camacho

From: Jeffrey.Y.Fujimoto@hawaii.gov
Sent: Monday, March 12, 2012 1:43 PM
To: Robbie Brown
Cc: Richard Y. Santo; Frank J. Camacho; dlanterman@ssfm.com
Subject: Re: Reinforcement in Side Walks, driveways and Curb Ramps.

Aloha Robbie,

Thanks again for your Request for Clarification. DHHL will issue an addendum with a written response to your request.

Jeffrey Y. Fujimoto
Department of Hawaiian Home Lands
Land Development Division
91-5420 Kapolei Parkway, Room 124 I
Kapolei, Hawaii 96707
Phone: 808-620-9274, Fax: 808-620-9299
E-mail: jeffrey.y.fujimoto@hawaii.gov

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E-mail: jeffrey.y.fujimoto@hawaii.gov

From: Robbie Brown <robbiekbrown@gmail.com>
To: jeffrey.y.fujimoto@hawaii.gov
Date: 03/12/2012 01:24 PM
Subject: Reinforcement in Side Walks, driveways and Curb Ramps.

Aloha Jeffrey.

Is there any reinforcement required in the concrete sidewalks, driveways and curb ramps. I do not see any specs that call out for welded wire fabric or similar.

Mahalo.

--
Robbie Brown
Project Manager/Estimator
Keauhou Kona Construction Corporation
PO Box 9007, Kailua Kona HI, 96745
(P) 808-325-0199 Ex. 2910
(F) 808-325-7460
(C) 808-345-2378

[attachment "robbiekbrown.vcf" deleted by Jeffrey Y Fujimoto/DHHL/StateHiUS]

Frank J. Camacho

From: Jeffrey.Y.Fujimoto@hawaii.gov
Sent: Tuesday, March 13, 2012 8:15 AM
To: Alex Leonard
Cc: Richard Y. Santo; Frank J. Camacho; dlanterman@ssfm.com; Sandra.S.Pfund@hawaii.gov
Subject: RE: IFB-12-HHL-008 Lalamilo Housing Phase 2A Addendum No. 1

Good Morning Alex,

At this time the Department of Hawaiian Home Lands is proceeding with the present project schedule.

Jeffrey Y. Fujimoto
Department of Hawaiian Home Lands
Land Development Division
91-5420 Kapolei Parkway, Room 124 I
Kapolei, Hawaii 96707
Phone: 808-620-9274, Fax: 808-620-9299
E-mail: jeffrey.y.fujimoto@hawaii.gov

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E-mail: jeffrey.y.fujimoto@hawaii.gov

From: Alex Leonard <aleonard@nanhawaii.com>
To: "Jeffrey.Y.Fujimoto@hawaii.gov" <Jeffrey.Y.Fujimoto@hawaii.gov>
Date: 03/12/2012 05:23 PM
Subject: RE: IFB-12-HHL-008 Lalamilo Housing Phase 2A Addendum No. 1

Jeffrey,

Thank you for the addendum.

We respectfully suggest that in order for all bidders to evaluate the contents and implications of this 185 page document, that an extension of bid date and RFI cut-off date would be appropriate. This is particularly true if, as we suspect, a second addendum is soon to be issued.

Best wishes,

Alex Leonard | Project Manager

Nan Inc *"Building the Future of Hawaii"*

636 Laumaka Street | Honolulu, Hawaii 96819
o.808.334.1465 | f.808.334.1466 | c.808.292.5157

www.nanhawaii.com | aleonard@nanhawaii.com

From: Jeffrey.Y.Fujimoto@hawaii.gov [<mailto:Jeffrey.Y.Fujimoto@hawaii.gov>]
Sent: Monday, March 12, 2012 4:23 PM
To: kevinm@goodfellowbros.com; isemoto3@ilhawaii.net; wendy@gwconstruction.net; deron@icckona.com;

keith@earthworkspacific.com; hughm@willockshawaii.com; bigislandelectrical@hawaii.rr.com; Alex Leonard;
robbiekbrown@gmail.com; gerald@gwconstruction.net; maka@ludwigconstructionhi.com; Myles Mizokami;
jimf@goodfellowbros.com; cecilyu@gloverltd.com; rsanto@cpe-hawaii.com; amurayama@cpe-hawaii.com;
ogescott@yahoo.com; angela.ho@helcohi.com; daryl.iga@helcohi.com; harmon.l.slappy@usace.army.mil;
bchase@environetinc.com; jlangston@mscon.com; rodneyk@sandwichisles.com; ceckman@ssfm.com; rreyes@ssfm.com;
dlanterman@ssfm.com; tgloor@hawaiicounty.gov; Sandra.S.Pfund@hawaii.gov; Jim.W.DuPont@hawaii.gov;
Darrell.H.Ing@hawaii.gov; FCamacho@cpe-hawaii.com; info@bidservicedaily.com; norma@gcahawaii.org;
Blaine.C.Fergerstrom@hawaii.gov

Subject: IFB-12-HHL-008 Lalamilo Housing Phase 2A Addendum No. 1

To All:

For your information and appropriate attention.

Addendum 1 to IFB-12-HHL-008 Lalamilo Housing Phase 2A, Increment 1 and Lalamilo Housing Phase 2A, Kawaihae Road Improvements at South Kohala Distribution Road has been posted to the DHHL website, Procurement page:

<http://www.hawaiianhomelands.org/procurement/2012-2/ifb-12-hhl-008/>

Note that the file is approximately 16 mb in size and may take a while to download.

Jeffrey Y. Fujimoto
Department of Hawaiian Home Lands
Land Development Division
91-5420 Kapolei Parkway, Room 124 I
Kapolei, Hawaii 96707
Phone: 808-620-9274, Fax: 808-620-9299
E-mail: jeffrey.y.fujimoto@hawaii.gov

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E-mail: jeffrey.y.fujimoto@hawaii.gov

Frank J. Camacho

From: Jeffrey.Y.Fujimoto@hawaii.gov
Sent: Tuesday, March 13, 2012 11:58 AM
To: Richard Y. Santo
Cc: Frank J. Camacho; dlanterman@ssfm.com; Sandra.S.Pfund@hawaii.gov
Subject: Fw: IFB-12-HHL-008 Lalamilo Housing Phase 2A Addendum No. 1
Attachments: robbiekbrown.vcf

Hi Richard,

Here's the second request to extend the RFI deadline, which is currently set for March 14, 2012 (and the deadline to issue an addendum is set for March 16, 2012). I'll check with Sandra if we should extend the RFI, Addendum and Bid Opening dates by possibly one week. Not sure if this would allow for better bid results. Our DHHL Administration expressed the need to expedite this project. I'll keep you informed.

Jeffrey Y. Fujimoto
Department of Hawaiian Home Lands
Land Development Division
91-5420 Kapolei Parkway, Room 124 I
Kapolei, Hawaii 96707
Phone: 808-620-9274, Fax: 808-620-9299
E-mail: jeffrey.y.fujimoto@hawaii.gov

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E-mail: jeffrey.y.fujimoto@hawaii.gov

----- Forwarded by Jeffrey Y Fujimoto/DHHL/StateHIUS on 03/13/2012 11:42 AM -----

From: Robbie Brown <robbiekbrown@gmail.com>
To: Jeffrey.Y.Fujimoto@hawaii.gov
Date: 03/13/2012 08:58 AM
Subject: Re: IFB-12-HHL-008 Lalamilo Housing Phase 2A Addendum No. 1

Aloha Jeffrey.

Will there be an extension for RFI's? I will need to at least the end of the week to process addendum No.1. Please let me know.

Mahalo.
Robbie Brown
Project Manager/Estimator
Keauhou Kona Construction Corporation
PO Box 9007, Kailua Kona HI, 96745
(P) 808-325-0199 Ex. 2910
(F) 808-325-7460
(C) 808-345-2378

On 3/12/2012 4:23 PM, Jeffrey.Y.Fujimoto@hawaii.gov wrote:

To All:

For your information and appropriate attention.

Addendum 1 to IFB-12-HHL-008 Lalamilo Housing Phase 2A, Increment 1 and Lalamilo Housing Phase 2A, Kawaihae Road Improvements at South Kohala Distribution Road has been posted to the DHHL website, Procurement page:

<http://www.hawaiianhomelands.org/procurement/2012-2/ifb-12-hhl-008/>

Note that the file is approximately 16 mb in size and may take a while to download.

Jeffrey Y. Fujimoto
Department of Hawaiian Home Lands
Land Development Division
91-5420 Kapolei Parkway, Room 124 I
Kapolei, Hawaii 96707
Phone: 808-620-9274, Fax: 808-620-9299
E-mail: jeffrey.y.fujimoto@hawaii.gov

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E-mail: jeffrey.y.fujimoto@hawaii.gov

Frank J. Camacho

From: Jeffrey.Y.Fujimoto@hawaii.gov
Sent: Wednesday, March 14, 2012 1:12 PM
To: Robbie Brown
Cc: Richard Y. Santo; Frank J. Camacho; dlanterman@ssfm.com
Subject: Re: Lalamilo Phase 2A Additional Questions.

Hi Robbie,

Thank you for your Request for Clarification. We will issue another addendum with written responses to your questions.

Jeffrey Y. Fujimoto
Department of Hawaiian Home Lands
Land Development Division
91-5420 Kapolei Parkway, Room 124 I
Kapolei, Hawaii 96707
Phone: 808-620-9274, Fax: 808-620-9299
E-mail: jeffrey.y.fujimoto@hawaii.gov

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E-mail: jeffrey.y.fujimoto@hawaii.gov

From: Robbie Brown <robbiekbrown@gmail.com>
To: jeffrey.y.fujimoto@hawaii.gov
Date: 03/14/2012 11:20 AM
Subject: Re: Lalamilo Phase 2A Additional Questions.

Aloha Jeffrey.

Please confirm receipt of email.

Mahalo.

Robbie Brown
Project Manager/Estimator
Keauhou Kona Construction Corporation
PO Box 9007, Kailua Kona HI, 96745
(P) 808-325-0199 Ex. 2910
(F) 808-325-7460
(C) 808-345-2378

On 3/14/2012 8:24 AM, Robbie Brown wrote:

Aloha Jeffrey.

Please see my questions below.

1: The Notice to bidders states that the pre-bid meeting was mandatory, however Item No.1 on Addendum No.1 states it as a “non-mandatory pre-bid meeting”. Please advise.

2: The Notice to bidders states the bid opening date is Monday, March 26th, however in the meeting minutes from the pre-bid, under Note 8 “Deadlines” the bid opening date is stated at Tuesday March 27th. Please advise.

4: In my notes at the pre-bid meeting, DHHL stated that it was going to release a new wage rate schedule. There was no new wage rate schedule attached with Addendum No.1 Please advise.

5: At the pre-bid meeting, a question was asked how DHHL was going to deal with wage rate increases during the duration of the project. Please advise.

6: On the new Proposal per Addendum No.1 Item 19 was changed from 150lf to 160lf. Please advise if this is correct as it was not mentioned as a change nor was it bolded as the other changes.

7: On sheet C-12 of Lalamilo Housing Phase 2A, Increment 1, 5,480lf of fence is to be removed. What bid item will this be paid under? For documentation, please provide a detail of the existing fence type and condition.

8: On sheet C-12 of Lalamilo Housing Phase 2A, Increment 1, 390lf of 4' high barbed wire fence is to be installed. What bid item will this be paid under? Furthermore, what are the specs on this fence, how many strands, galvanized, post distance, etc.?

9: On sheet C-11 of Lalamilo Housing Phase 2A, Increment 1, the combination silt/dust fence does not have a specification for the “Cloth Fabric”. Please specify a product or approved material.

10: On sheet C-4 of Lalamilo Housing Phase 2A, Increment 1, under Department of Health Notes, it states that the Owner is to obtain the UIC permits. Please confirm that DHHL will bear all costs for obtaining the UIC permits.

11: On sheet C-4 of Lalamilo Housing Phase 2A, Increment 1, under Compaction Testing, please provide compaction testing for subbase and base on a square footage unit in lieu of linear feet.

12: The soils report dated 7/28/2006 by PSC consultants recommends blasting for the underlying basalt layers. Will blasting be allowed for this project?

13: The soils report dated 7/28/2006 states that a 2' layer of capping fill consisting of 3" minus structural fill be used on all areas of general fill. Please confirm that we will not need a capping fill in general cut areas.

14: Will DHHL allow the excavated ash soil to be mixed in with the structural fill so as to be reused on the project?

15: Bid item 84 of the proposal states that there is 94,500cy of Mass Excavation. This is documented on sheet C-7 of Lalamilo Housing Phase 2A, Increment 1 Plans as total excavation of Ash Only. Shouldn't the total quantity of excavation on Bid Item 84 include the other 62,700 CY of excavation as shown in the earthwork summary? Secondly the 215,700 CY of Embankment as noted in Bid Item 84 is shown as 109,500 CY on Sheet C-7. Please advise on the difference.

16: On sheet C-42 of the Lalamilo Housing Phase 2A, Increment 1, the earthwork summary shows additional embankment and excavation quantities. Note 1 states these quantities are not applicable for the mass grading work. Because there is no roadway excavation bid item, are these quantities to be paid under Bid Item No.1 (Fine grading of Roadway Area)?

Please contact me if you need further assistance with any of my RFI's

--

Robbie Brown

Project Manager/Estimator

Keauhou Kona Construction Corporation

PO Box 9007, Kailua Kona HI, 96745

(P) 808-325-0199 Ex. 2910

(F) 808-325-7460

(C) 808-345-2378

[attachment "robbiekbrown.vcf" deleted by Jeffrey Y
Fujimoto/DHHL/StateHiUS]

Frank J. Camacho

From: Jeffrey.Y.Fujimoto@hawaii.gov
Sent: Thursday, March 15, 2012 7:34 AM
To: Glenn Asato
Cc: Richard Y. Santo; Frank J. Camacho; dlanterman@ssfm.com
Subject: Re: RFI - Lalamilo Housing Phase 2A Increment 2A Bid Opening 03/29/12

Hi Glenn,

Thank you for the Request for Information. DHHL will issue an addendum with a written response.

Jeffrey Y. Fujimoto
Department of Hawaiian Home Lands
Land Development Division
91-5420 Kapolei Parkway, Room 124 I
Kapolei, Hawaii 96707
Phone: 808-620-9274, Fax: 808-620-9299
E-mail: jeffrey.y.fujimoto@hawaii.gov

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E-mail: jeffrey.y.fujimoto@hawaii.gov

From: "Glenn Asato" <g-asatoptg@hawaii.rr.com>
To: <Jeffrey.Y.Fujimoto@hawaii.gov>
Date: 03/15/2012 06:29 AM
Subject: RFI - Lalamilo Housing Phase 2A Increment 2A Bid Opening 03/29/12

Request for Information

1) Reference Bid Form page 4 Item No. 17

Please verify quantity of 6,411 lf of 4" double yellow with type D markers..., our takeoff indicates an approximate quantity of 2,545 lf.

2) Reference Bid Form page 5 Item No. 19

Transfer Station missing...,

- 4" white edge
- 4" white island and diagonals
- Single arrows

Thank you.

Glenn Asato
Harry Asato Painting, Inc.

Frank J. Camacho

From: Jeffrey.Y.Fujimoto@hawaii.gov
Sent: Monday, March 19, 2012 10:02 AM
To: Michael Nakama
Cc: Richard Y. Santo; Frank J. Camacho; dlanterman@ssfm.com
Subject: Re: Lalamilo Housing Phase 2A

Hi Michael,

Thank you for your Request for Clarification. DHHL will issue an addendum with a written response.

Jeffrey Y. Fujimoto
Department of Hawaiian Home Lands
Land Development Division
91-5420 Kapolei Parkway, Room 124 I
Kapolei, Hawaii 96707
Phone: 808-620-9274, Fax: 808-620-9299
E-mail: jeffrey.y.fujimoto@hawaii.gov

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E-mail: jeffrey.y.fujimoto@hawaii.gov

From: Michael Nakama <Michael.Nakama@hydroscape.com>
To: "Jeffrey.Y.Fujimoto@hawaii.gov" <Jeffrey.Y.Fujimoto@hawaii.gov>
Date: 03/19/2012 08:38 AM
Subject: Lalamilo Housing Phase 2A

Hi Jeffrey,

The Lalamilo proposal has discrepancies in quantities as listed below:

Item	Proposal Quantity	Plan Takeoff Quantity
57 8" DIP 52	2299 Lf.	2512 Lf.
58 6" DIP 52	1237 Lf.	2271 Lf.
59 4" DIP 52	532 Lf.	128 Lf.
60 8" GV	16 ea.	12 ea.
61 6" GV	4 ea.	4 ea.
62 6" GV	16 ea.	15 ea.
63 4" GV	1 ea.	0 ea.
64 4" GV	1 ea.	0 ea.
65 Valve Box	33 ea.	31 ea.
66 DI Quantities need to be revised – w/ call out on plans		
68 ARV @ CO Box	11 ea.	12 ea.
72 1 ½" 'C-1' laterals	41 ea.	30 ea.
73 1" 'A' Laterals	39 ea.	28 ea.
74 X Box	121 ea.	88 ea.

Please let me know if changes have been made or if you are currently making changes.

Mahalo,

Michael Nakama



803 Mapunapuna Street,
Honolulu, HI 96819

☎ Office Main: (808) 833-4567

☎ Direct: (808) 218-7642

☎ Fax: (808) 833-9346

✉ mike.nakama@hiscosales.com



Please consider the environment before printing this e-mail.

[attachment "image002.jpg" deleted by Jeffrey Y Fujimoto/DHHL/StateHiUS]

Frank J. Camacho

From: Jeffrey.Y.Fujimoto@hawaii.gov
Sent: Monday, March 19, 2012 3:14 PM
To: Richard Y. Santo
Cc: Frank J. Camacho; dlanterman@ssfm.com
Subject: Lalamilo Phase 2A A.P Water Supply RFI
Attachments: Lalamilo Phase 2A RFI A.P. Water Supply, Inc. 3-19-12.pdf

Hi Richard,

Please review the attached A.P. Water Supply, Inc. RFI and include our response in Addendum No. 3.

Thanks,

Jeffrey Y. Fujimoto
Department of Hawaiian Home Lands
Land Development Division
91-5420 Kapolei Parkway, Room 124 I
Kapolei, Hawaii 96707
Phone: 808-620-9274, Fax: 808-620-9299
E-mail: jeffrey.y.fujimoto@hawaii.gov

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E-mail: jeffrey.y.fujimoto@hawaii.gov

A.P. Water Supply, Inc.

d.b.a. HIW Hawaii

819 Kanoelehua Avenue
Hilo, Hawaii 96720
Office 808 935 3781
Fax 808 935-7809

To: DEPARTMENT OF HAWAIIAN HOME LANDS
Land Development Division
P.O. Box 1879
Honolulu, Hawaii 96805

Attn: Mr. Jeffrey Fujimoto
Fax: (808) 620-9299

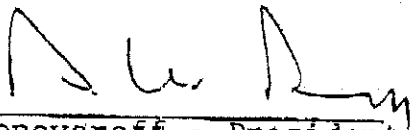
Re: Usage of One Lok Restraint Glands Manufactured by Sigma and
approved by Department of Water Supply Standards 2002, for usage on
job: Department of Hawaiian Home Lands IFB No. : 1FB-12-HHL-008
Lalamilo Housing Phase 2A in Lieu of Mega Lugs. Bid Date 4-2-2012.

Refer questions to A.P. WATER SUPPLY INC. (808) 935-3761 Phone.

Thank you.

Very truly yours,

A.P. WATER SUPPLY INC.



Alex Penovaroff - President

APLga

Frank J. Camacho

From: Jeffrey.Y.Fujimoto@hawaii.gov
Sent: Tuesday, March 20, 2012 7:38 AM
To: JAmes@gracepacificcorp.com
Cc: Richard Y. Santo; Frank J. Camacho; dlanterman@ssfm.com
Subject: Re: Lalamilo Housing Phase 2A, Increment 1

Hi Jason,

Thank you for your Request for Clarification. DHHL will issue an addendum with a written response.

Jeffrey Y. Fujimoto
Department of Hawaiian Home Lands
Land Development Division
91-5420 Kapolei Parkway, Room 124 I
Kapolei, Hawaii 96707
Phone: 808-620-9274, Fax: 808-620-9299
E-mail: jeffrey.y.fujimoto@hawaii.gov

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E-mail: jeffrey.y.fujimoto@hawaii.gov

From: JAmes@gracepacificcorp.com
To: Jeffrey.Y.Fujimoto@hawaii.gov
Date: 03/19/2012 07:21 PM
Subject: Re: Lalamilo Housing Phase 2A, Increment 1

Jeffrey,

Sorry to bother you again, but could you please review your quantities for the Asphalt Paving on this project. I am spot on your number for the work for Kawaihae; however, I am about 16.5% higher in area for the 2-1/2" paving, and almost double the amount on the 2.0" paving (Including the AC swale). Did you include the asphalt swale running down the South Kohala Distribution road as asphalt paved area?

Aloha,

Jason

Jason Ames
Estimator
Grace Pacific Corporation
110 Puuhale Road
Honolulu, HI 96819

Frank J. Camacho

From: Jeffrey.Y.Fujimoto@hawaii.gov
Sent: Wednesday, March 21, 2012 7:29 AM
To: Kevin Murakane
Cc: Jim Foss; Richard Y. Santo; Frank J. Camacho; dlanterman@ssfm.com
Subject: Re: Lalamilo Housing Phase 2A

Hi Kevin,

Thank you for the Request for Clarification. DHHL will issue an addendum with a written response.

Jeffrey Y. Fujimoto
Department of Hawaiian Home Lands
Land Development Division
91-5420 Kapolei Parkway, Room 124 I
Kapolei, Hawaii 96707
Phone: 808-620-9274, Fax: 808-620-9299
E-mail: jeffrey.y.fujimoto@hawaii.gov

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E-mail: jeffrey.y.fujimoto@hawaii.gov

From: Kevin Murakane <kevinm@goodfellowbros.com>
To: "Jeffrey.Y.Fujimoto@hawaii.gov" <Jeffrey.Y.Fujimoto@hawaii.gov>
Cc: Jim Foss <jimf@goodfellowbros.com>
Date: 03/20/2012 05:10 PM
Subject: Lalamilo Housing Phase 2A

Jeffery,

By the Plans (Sheet C-22 and C-23), Details (Sheet C-13), and Cross Sections (Sheet C-42) it appears that the South Kohala Distribution Road is going to be graded out and repaved in addition to the shoulder widening. Could you please confirm what bid items this work will be associated with. It doesn't seem that Bid Items 1-5 of Part I.A. have enough quantity to repave the road or shoulder.

Also could you consider adding an embankment item. Bidding out mass grading per excavation quantity only (Bid Item 84 of Part I.A.) makes it difficult to bid. Adding an embankment item will make it fair for the Bidder as well as DHHL if site conditions are significantly different from what is shown on the plans.

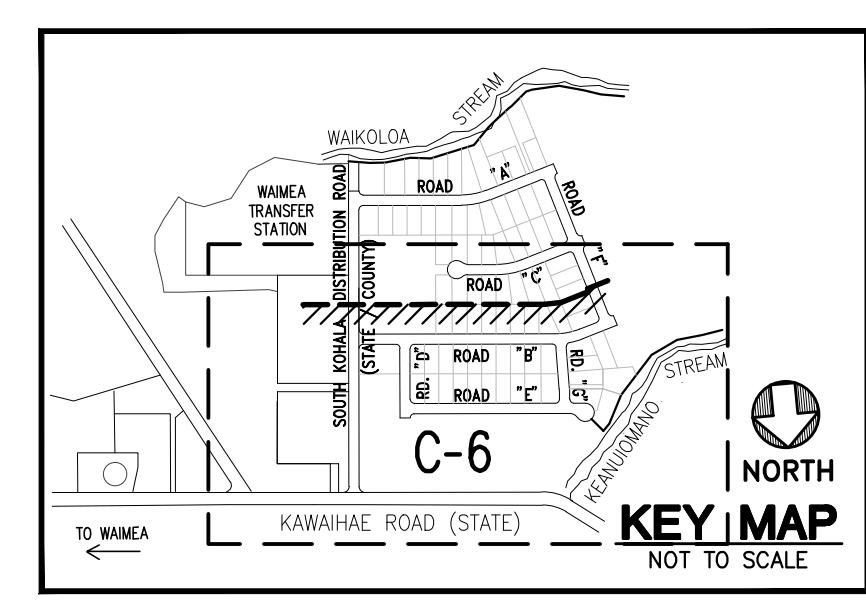
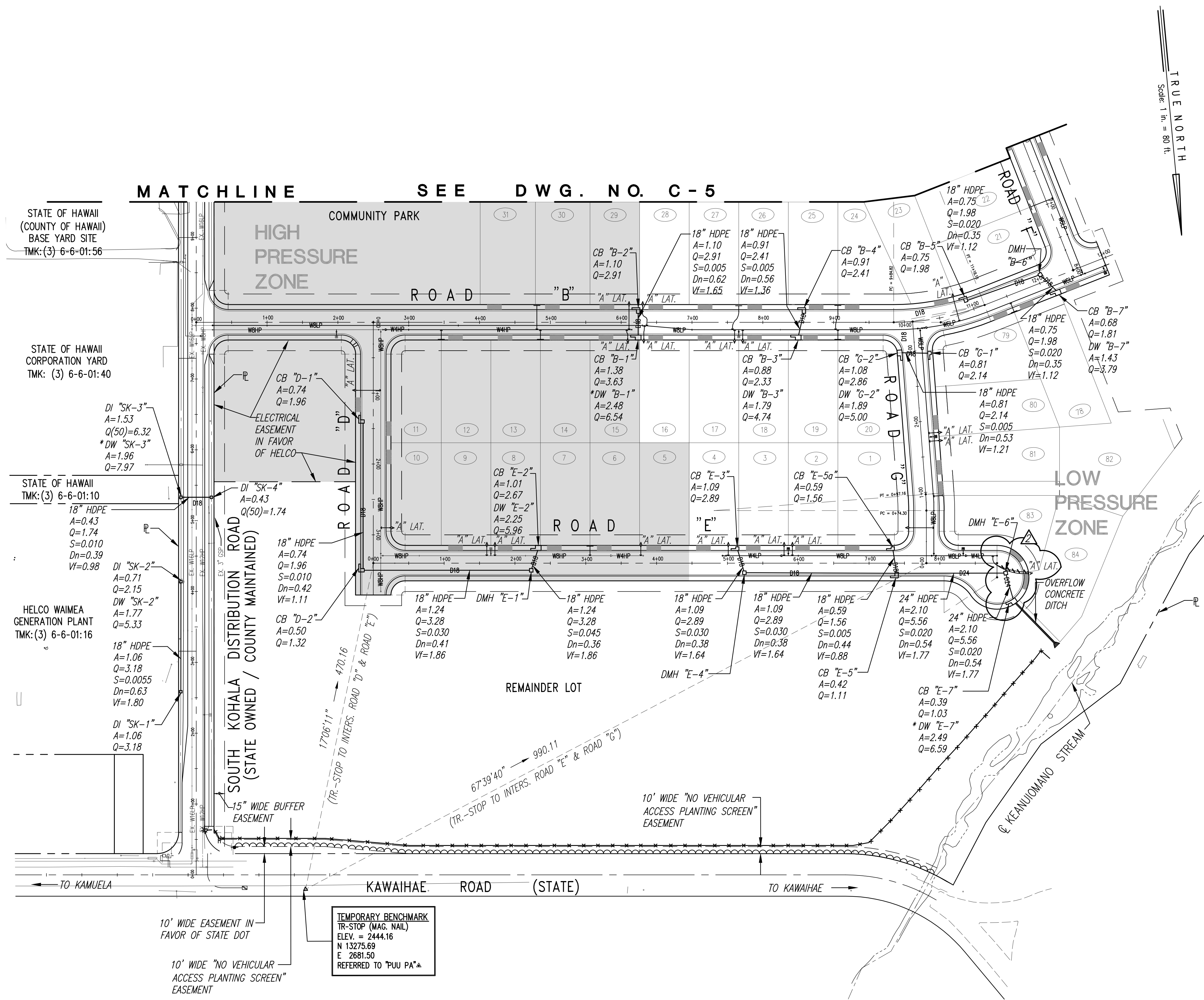
Thanks,
Kevin Murakane
Goodfellow Bros., Inc.
P:808-887-6511
F:808-887-6522



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[attachment "image001.jpg" deleted by Jeffrey Y Fujimoto/DHHL/StateHiUS]

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- LEGEND**
- DI = DRAIN INLET
DW = DRYWELL
CB = CATCH BASIN
MH = MANHOLE
HDPE = HIGH DENSITY PIPE
DIP = DUCTILE IRON PIPE
LP = LOW PRESSURE
HP = HIGH PRESSURE
- NOTE:**
- CONTRACTOR TO VERIFY DRAINAGE CAPACITY FOR EACH DEEP DRYWELL EXCEEDING 6 CFS. 36" DIAMETER DRILLED HOLE REQUIRED IF CONTRACTOR IS NOT ABLE TO PROVIDE CAPACITY DURING DRYWELL TESTING.
 - FOR CATTLE ISSUES WITHIN THE PROJECT SITE, CONTRACTOR SHALL CONTACT JEFFREY FUJIMOTO, DHHL AT (808)620-9724

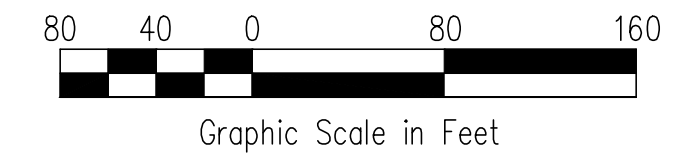
WATER PRESSURE ZONE LEGEND

LOW PRESSURE ZONE BETWEEN THE 2155.0' TO 2421.0' ELEVATIONS
HIGH PRESSURE ZONE ABOVE THE 2421.0' ELEVATION

REFERENCE: LALAMILO SUBDIVISION WATER MASTER PLAN (APPROVED), DATED JUNE 2007

GENERAL LAYOUT PLAN - 2

SCALE: 1"=80'

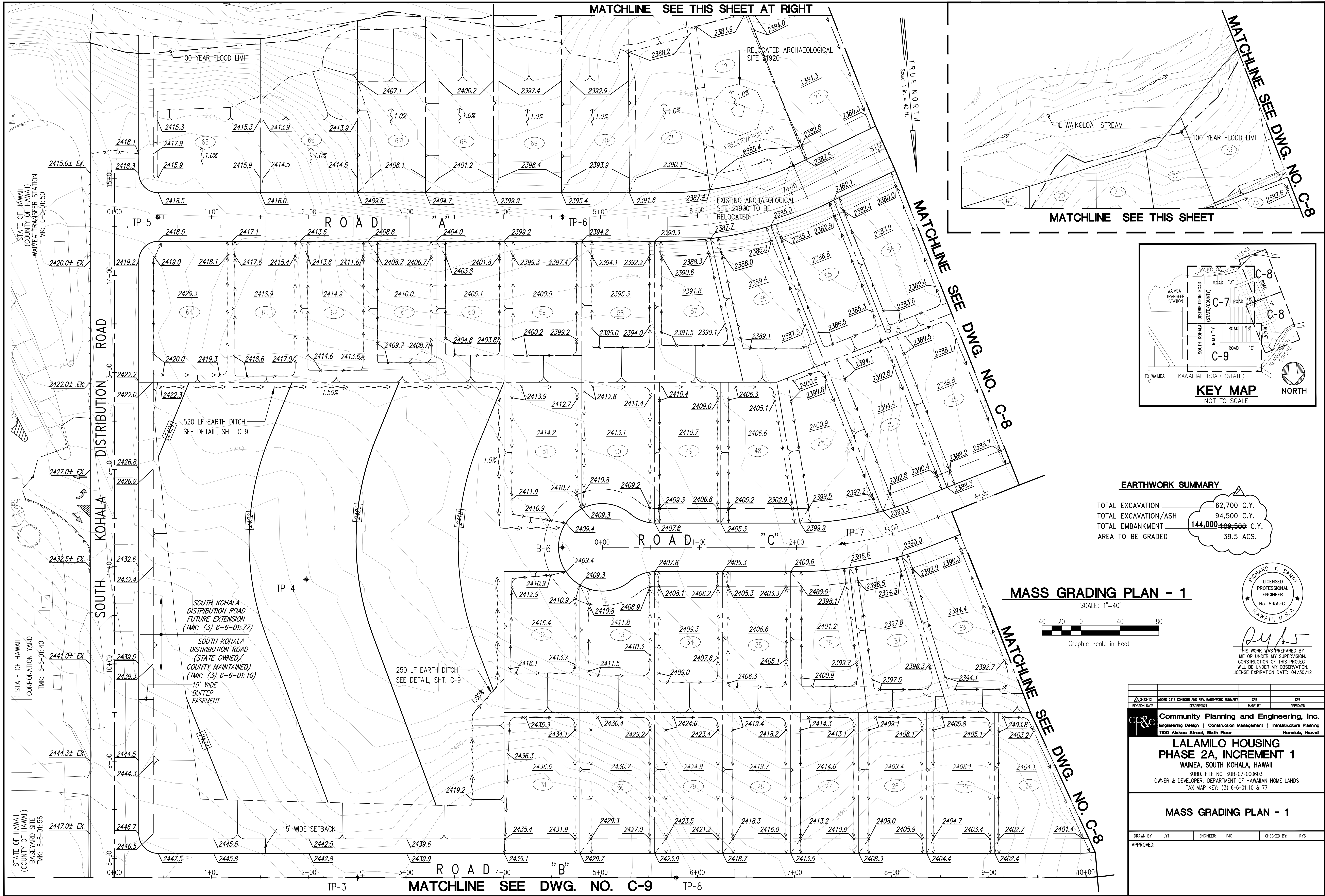


RICHARD Y. SANO
LICENSED PROFESSIONAL ENGINEER
No. 8955-C
HAWAII, U.S.A.

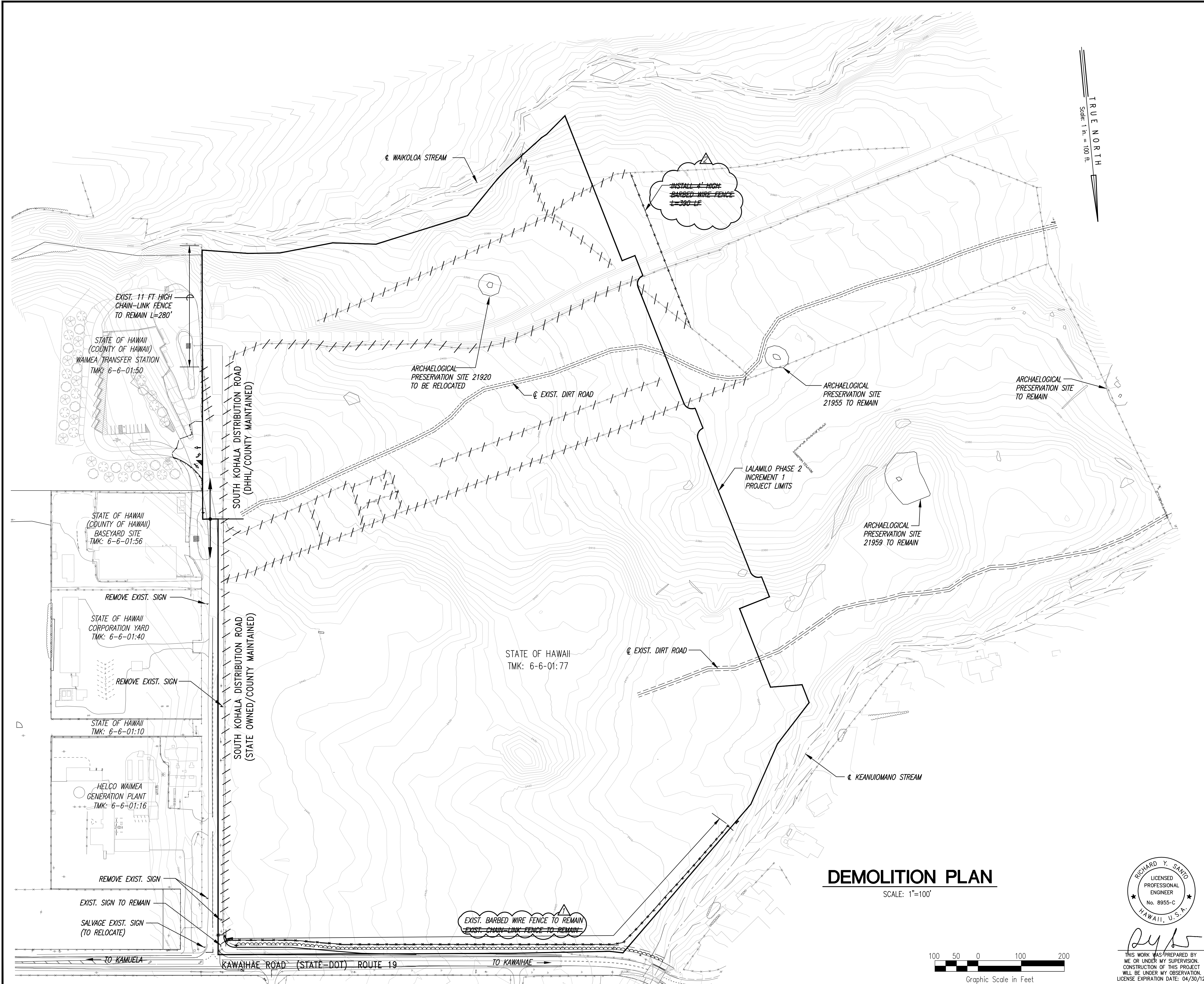
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. LICENSE EXPIRATION DATE: 04/30/12

REVISION DATE	REV. WATER LATERAL FROM TYPE "C-1" TO TYPE "A"	DATE	DATE
3-22-12			
DESCRIPTION		MADE BY	APPROVED
Community Planning and Engineering, Inc.			
Engineering Design Construction Management Infrastructure Planning			
1100 Alakea Street, Sixth Floor			
Honolulu, Hawaii			
LALAMILO HOUSING			
PHASE 2A, INCREMENT 1			
WAIMEA, SOUTH KOHALA, HAWAII			
SUBD. FILE NO. SUB-07-000603			
OWNER & DEVELOPER: DEPARTMENT OF HAWAIIAN HOME LANDS			
TAX MAP KEY: (3) 6-6-01:10 & 77			
GENERAL LAYOUT PLAN - 2			
DRAWN BY:	LYT	ENGINEER:	FJC
CHECKED BY:	RYS		
APPROVED:			

P:\Land Projects\DHHL Lalamilo Phase 2\Construction Drawings\Lalamilo Housing Phase 2A, Increment 1\Government Review #3\Grading Plans-1, Incre. 1 GR#2.dwg, 3/23/2012 9:11:16 AM, DWG To PDF, pc3



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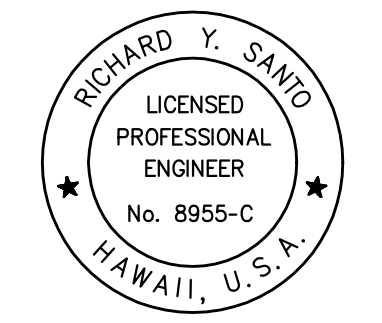
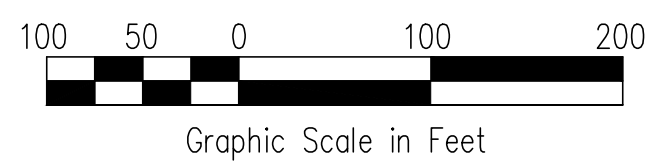


LEGEND
- - - - - EX. FENCE TO BE REMOVED
L= 5480± LF

NOTE: ~~REMOVE EXISTING FENCE INSIDE LALAMILO PHASE 2A, INCREMENT 1 PROJECT SITE UNLESS NOTED OTHERWISE.~~
ALL FENCING REMOVAL AND INSTALLATION WORK TO BE DONE BY OTHERS

DEMOLITION PLAN

SCALE: 1"=100'



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. LICENSE EXPIRATION DATE: 04/30/12

3-23-12	REV. INSTALLATION & REMOVAL OF FENCING	OPE	OPE
3-8-12	REV. EXIST. BARBED WIRE FENCE.	OPE	OPE
REVISION DATE	DESCRIPTION	MADE BY	APPROVED

Community Planning and Engineering, Inc.
Engineering Design | Construction Management | Infrastructure Planning
7100 Alakea Street, Sixth Floor Honolulu, Hawaii

LALAMILO HOUSING PHASE 2A, INCREMENT 1
WAIMEA, SOUTH KOHALA, HAWAII
SUBD. FILE NO. SUB-07-000603
OWNER & DEVELOPER: DEPARTMENT OF HAWAIIAN HOME LANDS
TAX MAP KEY: (3) 6-6-01:10 & 77

DEMOLITION PLAN			
DRAWN BY:	LYT	ENGINEER:	FJC
CHECKED BY:	RYL		
APPROVED:			

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