

5. WORK REQUESTED BY: Commanding General—Hawaiian Department.
6. DRAWINGS AND REFERENCES: To be furnished.
7. APPROPRIATION CHARGEABLE: Eng. 1067.
8. ESTIMATE COST: Estimate to be furnished later.
9. COMMENCEMENT DATE: December 26, 1941.
10. ESTIMATE DATE FOR COMPLETION: April 1, 1942.
11. ESTIMATE LABOR AT SITE: Estimate to be furnished later.
12. PLANT REQUIRED: Estimate to be furnished later.
13. MATERIALS: Estimate to be furnished later.
14. SUPERVISION BY: The Area Engineer, Fifth Field Area.

(Sgd.) Theodore Wyman, Jr.,
THEODORE WYMAN, JR.,
Lt. Col., Corps of Engineers,
District Engineer.

APRIL 7, 1942.

ADDENDUM NO. 1

To Accompany Job Order No. 20,150

Contract W-414-Eng-602

Office of Department Engineer, Honolulu, T. H.

Addendum No. 1 to accompany Job Order No. 20,150 (Contract Turned and install six gasoline tanks, Belows Field) directs that the gasoline storage tanks be dispersed and placed according to revised plan from the Commanding General, Hawaiian Department.

Office File Reference: Serial No. 2084.

Change requested by: The Commanding General, Hawaiian Department by letter from the Assistant Department Engineer dated March 31, 1942.

For the Department Engineer:

/s/ J. C. MEADOWS,
Major, Corps of Engineers,
Assistant Department Engineer.

ARMY PEARL HARBOR BOARD EXHIBIT No. 4E

WAR DEPARTMENT

UNITED STATES ENGINEER OFFICE

Honolulu, T. H.

Contract NO. 414-eng-602.

Barking Sands, Kauai, T. H.
Job Order #21.1 April 26, 1941

Construct—Fabricate and install nine (9) each 50,000 gallon storage tanks
(Two tanks will be fabricated by the Government)
Est Cost \$114,350.16.

Commencement Date: April 21, 1941.

Est Date for Completion: June 21, 1941.

Supervision by H. E. Helmboldt, Area Engr, 4th Field Area.

WAR DEPARTMENT,
UNITED STATES ENGINEER OFFICE,
Honolulu, T. H., April 26, 1941.

JOB ORDER NO. 21.1
Contract No. W-414-eng-602

To: Hawaiian Constructors, Honolulu, T. H.

You are hereby directed to proceed with the following work:

1. PROJECT TITLE: Fabrication, transportation and complete installation of 9 each 50,000 gallon gasoline storage tanks.
2. LOCATION: Barking Sands, Kauai, T. H.

3. OFFICE FILE REFERENCE: 759.2A1.
4. WORK TO BE DONE: Fabricate and install 9 each 50,000 gallon gasoline storage tanks complete, and all appurtenant work, at Barking Sands, Island of Kauai, T. H. Two of the tanks will be fabricated by the Government and furnished to the Hawaiian Constructors at Honolulu, T. H.
5. WORK REQUESTED BY: Commanding General, Hawaiian Department.
6. DRAWINGS AND REFERENCES: As shown in paragraph 1-04 of the specifications.
7. APPROPRIATION CHARGEABLE: 21X0540.035 (C of B U & A) No Year Eng. 715 P99-A-0540.035-N.
8. ESTIMATED COST: \$84,081.00.
9. COMMENCEMENT DATE: April 21, 1941.
10. ESTIMATED DATE FOR COMPLETION: June 21, 1941.
11. ESTIMATED LABOR AT SITE: See detailed estimate attached.
12. PLANT REQUIRED: See detailed estimate attached.
13. MATERIALS: See detailed estimate attached.
14. SUPERVISION BY: H. E. Helmboldt, Area Engineer, Fourth Field Area.

(Signed) Theodore Wyman, Jr.,
 THEODORE WYMAN, JR.,
Lt. Col., Corps of Engineers,
District Engineer.

Approved:

WARREN T. HANNUM,
Colonel, Corps of Engineers,
Division Engineer.

ESTIMATE OF COST

To Accompany Job Order No. 21.1

Contract No. W-414-eng-602

ESTIMATE OF COST: To fabricate, transport and install 9 each 50,000 gallon gasoline storage tanks, complete, at Barking Sands, Kauai, T. H.

DISTRICT: Honolulu District, Honolulu, T. H.

The work to be done, as provided for herein, is located at Barking Sands on the Island of Kauai, T. H., and is limited to the following specific items:

(1) Furnish all labor and equipment, and perform all work necessary to transport to and install complete at Barking Sands, Kauai, T. H., two (2) each pre-fabricated 50,000 gallon gasoline storage tanks and all appurtenant work in accordance with Specifications, "Gasoline Storage and Dispensing System, Barking Sands, Kauai, T. H.," and the details as shown on drawings enumerated in paragraph 1-04 of the Specifications.

(2) Furnish all labor and equipment, and perform all work necessary to transport labor, equipment and material to site and fabricate and install complete seven (7) each 50,000 gallon gasoline storage tanks and all appurtenant work in accordance with Specifications, "Gasoline Storage and Dispensing System, Kauai, T. H.," and the details shown on the drawings enumerated in paragraph 1-04 of the Specifications.

Estimated unit costs are as follows:

COST TO CONTRACTOR

"A"

Two (2) Tanks—Fabricated in Honolulu, transported to, and installed at Barking Sands, Island of Kauai, T. H.

1. 2—Tanks:		
Labor.....	-----	\$5,000.00
Materials	-----	200.00
Total Fabrication Cost.....	-----	5,200.00

2. *Mobilization and Demobilization:*

Transportation Charges.....	\$2,500.00	
Plant Rental during Mobilization and Demobilization.....	1,935.00	
Labor Charges during Mobilization and Demobilization.....	800.00	
Total Mobilization and Demobilization.....		\$5,235.00
3. Excavation.....	4,200 Cu. Yd. @ \$0.35	2,940.00
4. Backfill.....	3,900 Cu. Yd. @ \$0.12	936.00
5. Concrete.....	48 Cu. Yd. @ \$18.00	1,728.00
6. Placing Tanks.....		400.00
7. Gasoline Pumping System installed.....		2,100.00
8. Dewatering Operations.....		1,000.00
9. Contractor's Field and Office Overhead.....		1,000.00
Total Cost to Contractor.....		20,539.00

B

Seven (7) Tanks—Fabricated and Installed at Barking Sands, Islands of Kauai, T. H.

1. *7—Tanks—Fabrication:*

Labor.....	\$21,000.00
Materials.....	2,100.00
Plant Rental.....	3,282.00

Total Fabrication Cost..... 26,382.00

2. *Mobilization and Demobilization:*

Transportation Charges during Mobilization and Demobilization.....	\$1,800.00
Labor Charges during Mobilization and Demobilization.....	150.00
Plant Rental during Mobilization and Demobilization.....	646.00

Total Mobilization and Demobilization..... 2,596.00

3. Excavation.....	10,290.00
4. Backfill.....	3,276.00
5. Concrete.....	6,048.00
6. Placing Tanks.....	2,100.00
7. Gasoline, Pumping System installed.....	7,350.00
8. Dewatering Operations.....	3,500.00
9. Contractor's Field and Office Overhead.....	2,000.00

Total Cost to Contractor..... 63,542.00

Grand Total Cost to Contractor for Nine (9) Tanks..... \$4,081.00

(Signed) Theodore Wyman, Jr.,
THEODORE WYMAN, JR.,
Lt. Col., Corps of Engineers,
District Engineer.

*Recapitulation of Estimate of Cost*1. *Total Cost of Work:*(a) *Direct Cost:*

Grand Total Cost to Contractor.....	\$84,081.00
Contingencies—20%.....	16,816.20

Total Direct Cost..... 100,897.20

(b) *Indirect Cost:*

Survey, Inspection and Engineering—8% (Contractor's Cost).....	\$6,726.48
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Total Indirect Cost..... 6,726.48

Total Field Cost of Job.....	107,623.68
General Office Overhead—8% (Contractor's Cost).....	6,726.48

Estimated Grand Total Cost to Government..... 114,350.16

This estimate is prepared for use in the District only, and is not for distribution to the Contractor.

(Signed) Theodore Wyman, Jr.,
 THEODORE WYMAN, JR.,
 Lt. Col., Corps of Engineers,
 District Engineer.

JUNE 4, 1941.

ADDENDUM NO. 1

To Accompany Job Order No. 21.1

Contract No. W-414-eng-602

WORK TO BE DONE: Construct and Complete a wood frame tool shed and Store Room.

DISTRICT: Honolulu District, Honolulu, T. H.

The work to be done, as provided for herein, is located at Barking Sands on the Island of Kauai, T. H., and is limited to the following Specific Item:

1. Furnish all labor and equipment and perform all work necessary to construct and complete one wood frame tool shed and Store Room Building. The work to be done shall be as directed by the Area Engineer, Fourth Field Area.

The total cost of the work to be done shall not exceed \$300.00.

(Signed) Theodore Wyman, Jr.,
 THEODORE WYMAN, JR.,
 Lt. Col., Corps of Engineers,
 District Engineer.

Recapitulation of Estimated Cost

1. Cost of Work to be Done:

(a) Direct Cost:

Total Cost to the Contractor-----	\$300.00
Contingencies—10% -----	30.00

Total Direct Cost-----	330.00
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(b) Indirect Cost:

Survey, Inspection, engineering-----	\$24.00
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Total Indirect Cost-----	24.00
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Total Field Cost of Job-----	354.00
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General Office Overhead-----	24.00
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Grand Total Cost to the Government-----	378.00
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This estimate is prepared for use in the District only, and is not for distribution to the Contractor.

(Signed) Theodore Wyman, Jr.,
 THEODORE WYMAN, JR.,
 Lt. Col., Corps of Engineers,
 District Engineer.

ARMY PEARL HARBOR BOARD MEETING NO. 37

Summary—CHR

WAR DEPARTMENT

UNITED STATES ENGINEER OFFICE

HONOLULU, T. H.

Morse Field (Hawaii, T. H.).

Job Order #230 MAY 7, 1941.

Construct, fabricate and install nine (9) each 50,000 gallon gasoline Storage tanks and appurtenant work.

Est. Cost \$16,500.00.

Commencement Date: May 8, 1941.

Est. Date for Completion: August 1, 1941.

Supervision by The Area Engineer, Seventh Field Area.

Addendum #1 dated March 24, 1942 suspends indefinitely all work on Job Order #230.