

ARMY PEARL HARBOR BOARD EXHIBIT No. 4D

Summary CBR

WAR DEPARTMENT

UNITED STATES ENGINEER OFFICE

Honolulu, T. H.

Contract No. W414-eng.-602

BELLOWS FIELD, OAHU, T. H.

Job Order #20.1 May 12, 1941 Revised Sept 15, 1941.

Construct—Fabricate and install twelve (12) each 50,000 gallon gasoline storage tanks and appurtenant work. Note Revised Job Order 20.1 reduced No. of tanks to six (6).

Est Cost: \$144,684.00.

Revised: \$54,968.00.

Commencement Date: May 12, 1941.

Est date for completion: Aug 1, 1941.

Revised: Jan 1, 1942.

Supervision by The Area Engineer, 5th Field Area.

Job Order #20.120.

Commencement Date: Sept 15, 1941.

Est Date for completion: Jan 1, 1942.

Six (6) 50,000 gal gasoline tanks.

Job Order #20.130.

Commencement Date: Sept 15, 1941.

Est Date for Completion: Jan 1, 1942.

Construct Tunnel for Twelve (12) 50,000 gasoline tanks.

WAR DEPARTMENT,
UNITED STATES ENGINEER OFFICE,
Honolulu, T. H., May 12, 1941.

JOB ORDER N. 20.1.

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 and Complete installation (Aqua System) of Twelve (12) each 50,000 Gallon Gasoline Storage Tanks.
2. LOCATION: Bellows Field, Oahu, T. H.
3. OFFICE FILE REFERENCE: 2021.3.
4. WORK TO BE DONE: Fabricate and install twelve (12) each 50,000 gallon gasoline storage tanks, (Aqua System) and all appurtenant work at Bellows Field, Oahu, T. H.
5. WORK REQUESTED BY: Commanding General, Hawaiian Department.
6. DRAWINGS AND REFERENCES: As shown in specifications.
7. APPROPRIATION CHARGEABLE: 21×0540.035 (C of B U & A) No. Year Eng. 715 P99.
8. ESTIMATED COST: \$144,684.00.
9. COMMENCEMENT DATE: May 12, 1941.
10. ESTIMATED DATE FOR COMPLETION: August 1, 1941.
11. ESTIMATED LABOR AT SITE: See detailed estimate attached.
12. PLANT REQUIRED: " " " "
13. MATERIALS: " " " "
14. SUPERVISION BY: Area Engineer, Fifth Field Area.

/s/ THEODORE WYMAN, JR.,
Lt. Col., Corps of Engineers,
District Engineer.

Approved:

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

Distribution:

WAR DEPARTMENT,
UNITED STATES ENGINEER OFFICE,
Honolulu, T. H., September 15, 1941.

JOB ORDER NO. 20.1 (Revised)
Contract W-414-eng-602

To: Hawaiian Constructors, Honolulu, T. H.

You are hereby directed to proceed with the following work:

1. PROJECT TITLE: Install Complete (Pump System) 6 Each 50,000 Gallon Gasoline Storage Tanks.
2. LOCATION: Bellows Field, Oahu, T. H.
3. OFFICE FILE REFERENCE: 2021.3.
4. WORK TO BE DONE: Install, Complete, (Pump System) 6 Each 50,000 Gallon Gasoline Storage Tanks.
5. WORK REQUESTED BY: Commanding General—Hawaiian Department.
6. DRAWINGS AND REFERENCES: As enumerated in the Specifications.
7. APPROPRIATION CHARGEABLE: Eng. 715.
8. ESTIMATED COST: (Present construction limited to \$54,968.00)
9. COMMENCEMENT DATE: July 1, 1941.
10. ESTIMATED DATE FOR COMPLETION: January 1, 1942.
11. ESTIMATED LABOR AT SITE: Detailed estimate to be furnished later.
12. PLANT REQUIRED: " " " " "
13. MATERIALS: " " " " "
14. SUPERVISION BY: The Area Engineer—Fifth Field Area.

/s/ 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. 20.1 (Revised)

Contract No. W-414-eng-602

WORK TO BE DONE: Install, Complete, (Pump System) 6 Each 50,000 Gallon Gasoline Storage Tanks.

DISTRICT: Honolulu District, Honolulu, T. H.

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

1. Furnish all labor and equipment and perform all work necessary to install, complete (Pump System), 6 each 50,000 gallon gasoline storage tanks. All of the work to be done shall be in accordance with the Specifications to Accompany Job Order No. 20.1 (Revised) and the drawings enumerated in the Specifications.

The total cost of the work to be done shall not exceed \$54,968.00.

Job Order No. 20.1 (Revised) supplants Job Order No. 20.1, dated May 12, 1941, and the Addendums, Numbers, 1, 2, and 3, to Job Order No. 20.1.

/s/ Theodore Wyman, Jr.,
THEODORE WYMAN, JR.,
Lt. Col., Corps of Engineers,
District Engineer.

Recapitulation of estimated cost

1. Total Cost of Work:

(a) Direct cost:

Total Cost to the Contractor	\$54,968.00
Contingencies—10%	5,496.80
Total Direct Cost	60,464.80

(b) *Indirect Cost:*

Survey, Inspection, Engineering-----	\$4,397.44	
Total Indirect Cost-----		\$4,397.44
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Total Field Cost-----		64,862.24
General Office Overhead-----		4,397.44
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Estimated total cost to the Government-----		69,259.68

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

/s/ Theodore Wyman, Jr.,
 THEODORE WYMAN, JR.,
Lt. Col., Corps of Engineers,
District Engineer.

JANUARY 1, 1942.

ADDENDUM NO. 1

To Accompany Job Order No. 20.1 (Revised)

Contract No. W-414-Eng-602

DISTRICT: Honolulu District, Honolulu, T. H.

Addendum No. 1 to accompany Job Order No. 20.1 (Revised), suspends work on the installations of six gasoline storage tanks at Bellows Field, T. H.

/s/ THEODORE WYMAN, JR.,
Lt. Col., Corps of Engineers,
District Engineer.

JANUARY 4, 1942.

ADDENDUM NO. 2

To Accompany Job Order No. 20.1 (Revised)

Contract W-414-Eng-602

DISTRICT: Honolulu District, Honolulu, T. H.

Addendum No. 2 to accompany Job Order No. 20.1 (Revised), voids Addendum No. 1. Work will continue.

/s/ THEODORE WYMAN, JR.,
Colonel, U. S. Army,
District Engineer.

APRIL 6, 1942.

ADDENDUM NO. 3

To Accompany Job Order No. 20.1

Contract W-414-Eng-602

Office of Department Engineer, Honolulu, T. H.

Addendum No. 3 to accompany Job Order No. 20.1, (50,000 Gallon Gas Storage Tanks, Bellows), requires expedition in placing and filling gasoline tanks.

Work requested by: Commanding General, Hawaiian Department, in memo. from Acting Deputy Chief of Staff, dated March 23, 1942.

For the Department Engineer:

/s/ H. B. NURSE,
Lt. Col., Corps of Engineers,
Assistant Department Engineer.

WAR DEPARTMENT,
UNITED STATES ENGINEER OFFICE,
Honolulu, T. H., September 15, 1941.

JOB ORDER NO. 20.120
Contract W-414-eng-602

To: Hawaiian Constructors, Honolulu, T. H.

You are hereby directed to Proceed with the following work:

1. PROJECT TITLE: Install Complete, (Pump System) 6 Each 50,000 Gallon Gasoline Storage Tanks.
2. LOCATION: Bellows Field, Oahu, T. H.
3. OFFICE FILE REFERENCE: 2021.3.
4. WORK TO BE DONE: Install complete (Pump System), 6 each 50,000 gallon gasoline storage tanks.
5. WORK REQUESTED BY: Commanding General—Hawaiian Department.
6. DRAWINGS AND REFERENES: As enumerated in the Specifications.
7. APPROPRIATION CHARGEABLE: Eng. 991.
8. ESTIMATED COST: (Present construction limited to \$50,000.00).
9. COMMENCEMENT DATE: September 15, 1941.
10. ESTIMATED DATE FOR COMPLETION: January 1, 1942.
11. ESTIMATED LABOR AT SITE: Detailed estimate to be furnished later.
12. PLANT REQUIRED: " " " " "
13. MATERIALS: " " " " "
14. SUPERVISION BY: The Area Engineer—Ffth Field Area.

/s/ 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. 20.120

Contract W-414-eng-602

WORK TO BE DONE: Install, Complete (Pump System), 6 Each 50,000 Gallon Gasoline Storage Tanks.

DISTRICT: Honolulu District, Honolulu, T. H.

The work to be done, as provided for herein, is located at Bellows Field on the Island of Oahu, T. H., and is limited to the following specific item:

1. Furnish all labor and equipment and perform all work necessary to install, complete (Pump System), 6 each 50,000 gallon gasoline storage tanks. All of the work to be done in accordance with the Specifications to Accompany Job Order No. 20.120 and the drawings enumerated in the Specifications.

Job Order No. 20.120 is additional work and does not alter Job Order No. 20.1 (Revised).

The cost of present construction shall not exceed \$50,000.00.

/s/ Theodore Wyman, Jr.,
THEODORE WYMAN, Jr.,
Lt. Col., Corps of Engineers,
District Engineer.

Recapitulation of estimated cost

1. Total Cost of Work:

(a) Direct Cost:

Total Cost to the Contractor-----	\$50,000.00
Contingencies—10%-----	5,000.00
Total Direct Cost-----	55,000.00

(b) *Indirect Cost:*

Survey, Inspection, Engineering-----	\$4,000.00
Total Indirect Cost-----	\$4,000.00
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Total Field Cost-----	59,000.00
General Office Overhead-----	4,000.00
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Estimated Total Cost to the Government-----	63,000.00

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

/s/ Theodore Wyman, Jr.,
 THEODORE WYMAN, JR.,
Lt. Col., Corps of Engineers,
District Engineer.

JANUARY 1, 1942.

ADDENDUM NO. 1

To Accompany Job Order No. 20.120

Contract W-414-Eng-602

DISTRICT: Honolulu District, Honolulu, T. H.

Addendum No. 1 to Job Order No. 20.120 suspends work on the installation of six gasoline storage tanks at Bellows Field, T. H.

/s/ THEODORE WYMAN, JR.,
Lt. Col., Corps of Engineers,
District Engineer.

JANUARY 4, 1942.

ADDENDUM NO. 2

To Accompany Job Order No. 20.120

Contract W-414-Eng-602

DISTRICT: Honolulu District, Honolulu, T. H.

Addendum No. 2 to accompany Job Order No. 20.120, voids Addendum No. 1. Work will continue.

/s/ THEODORE WYMAN, JR.,
Lt. Col., Corps of Engineers,
District Engineer.

WAR DEPARTMENT,
 UNITED STATES ENGINEER OFFICE,
Honolulu, T. H., Sept. 15, 1941.

JOB ORDER NO. 20.130
 Contract W-414-eng-602

To: Hawaiian Constructors, Honolulu, T. H.

You are hereby directed to proceed with the following work:

1. PROJECT TITLE: Excavate Tunnel for 12 Each 50,000 Gallon Gasoline Storage Tanks.
2. LOCATION: Bellows Field, Oahu, T. H.
3. OFFICE FILE REFERENCE: 2021.3.
4. WORK TO BE DONE: Excavate approximately 10,000 cubic yards to complete tunnel for 12 each 50,000 gallon gasoline storage tanks, together with placing of necessary concrete tunnel lining and sidewalk, and disposal of excavated material.
5. WORK REQUESTED BY: Commanding General—Hawaiian Department.
6. DRAWINGS AND REFERENCES: Bellows Field, Oahu, T. H., Gasoline Storage and Dispensing System, File No. F-20/66 and other plans to be furnished.

7. APPROPRIATION CHARGEABLE: Eng. 991.
 8. ESTIMATED COST: \$84,000.00.
 9. COMMENCEMENT DATE: September 15, 1941.
 10. ESTIMATED DATE FOR COMPLETION: January 1, 1942.
 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: The Area Engineer—Fifth Field Area.

/s/ 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. 20.130

Contract No. W-414-eng-602

WORK TO BE DONE: Excavate tunnel for 12 each, 50,000 Gallon Gasoline Storage Tanks.

DISTRICT: Honolulu District, Honolulu, T. H.

The work to be done, as provided for herein, is located at Bellows Field, on the Island of Oahu, T. H., and is limited to the following specific item:

1. Furnish all labor and equipment and perform all work necessary to excavate approximately 10,000 cubic yards to complete tunnel for 12 each, 50,000 gallon gasoline storage tanks, together with placing of necessary concrete tunnel lining and sidewalk, and disposal of excavated material.

All of the work to be done in accordance with the, "Specifications to Accompany Job Order No. 20.130", and the details shown on the drawings enumerated in the Specifications.

The total cost of the work to be done shall not exceed \$84,000.00.

/s/ Theodore Wyman, Jr.,
 THEODORE WYMAN, Jr.,
 Lt. Col., Corps of Engineers,
 District Engineer.

1. Material:

Item	Designation	Quantity	Unit	Unit price	Amount
1	Dynamite	35,000	lbs.	\$0.125	\$4,375.00
2	Elect. Caps—Assorted	10,500	ea.	0.17	1,785.00
3	Cement	1,050	bbl.	2.93	3,076.50
4	Coarse Aggregate	630	cu. yds.	3.25	2,047.50
5	Fine Aggregate	465	" "	3.00	1,395.00
6	1" x 6" Shiplap	4,500	MBM.	55.00	247.50
7	2 x 4s & 6s 4 x 4 #1 Com.	8,000	" "	47.50	380.00
8	Reinforcing Steel	50,000	lbs.	0.0293	1,465.00
9	Nails	4	kegs.	6.60	26.40
10	#14 Wire—Black (Tie)	600	lbs.	0.06	36.00
11	Miscellaneous Supplies		lump sum		216.10
	Total Cost of Material				15,050.00

2. Labor:

(a) Handling and Hauling:

36 man hours	@ \$1.50	\$54.00
104 man hours	1.25	130.00
436 man hours	.50	218.00

<i>(b) Drilling and Blasting:</i>		
800 man hours.....	@ \$1.50	\$1,200.00
6,400 man hours.....	1.25	8,000.00
4,800 man hours.....	1.00	4,800.00
3,200 man hours.....	.75	2,400.00
1,600 man hours.....	.50	800.00
<i>(c) Mucking:</i>		
800 man hours.....	@ \$1.50	1,200.00
1,600 man hours.....	1.25	2,000.00
19,200 man hours.....	.50	9,600.00
<i>(d) Muck Disposal:</i>		
200 man hours.....	@ \$1.50	300.00
400 man hours.....	1.25	500.00
1,600 man hours.....	1.00	1,600.00
1,600 man hours.....	.50	800.00
<i>(e) Assembling, Erecting & Stripping Forms:</i>		
40 man hours.....	@ \$1.50	60.00
320 man hours.....	1.25	400.00
320 man hours.....	.625	200.00
<i>(f) Placing Reinforcing Steel:</i>		
40 man hours.....	@ \$1.50	60.00
480 man hours.....	1.25	600.00
480 man hours.....	1.00	480.00
240 man hours.....	.75	180.00
<i>(g) Mixing & Placing Concrete:</i>		
80 man hours.....	@ \$1.50	120.00
600 man hours.....	1.25	750.00
200 man hours.....	1.00	200.00
200 man hours.....	.75	150.00
4,800 man hours.....	.50	2,400.00
<i>(h) Maintenance—Watchmen, Etc:</i>		
160 man hours.....	@ \$1.50	240.00
320 man hours.....	1.25	400.00
640 man hours.....	1.00	640.00
320 man hours.....	.75	240.00
1,600 man hours.....	.50	800.00
Total Cost of Labor.....		41,522.00

3. Plant Operation.

	Daily Cost	Days Required	Amount
<i>(a) Rental of Equipment:</i>			
2 Air Compressors.....	\$50.00	110	\$5,500.00
1 Receiver.....	1.50	110	110.00
6 Hammers—Col'mns-Arms-Hose.....	7.00	110	770.00
1 2-HP Elect. Motor and Fan.....	3.00	110	330.00
1 Tool Grinder.....	1.00	110	110.00
Air Pipe—Assorted Sizes.....	3.00	110	330.00
1 Mucking Machine.....	5.50	110	605.00
2 Dump Cars and Truck.....	10.00	110	1,100.00
1 5-Cu. Yd. Dump Truck.....	18.00	110	1,980.00
1 10-Ton Flat Rack Truck.....	18.00	110	1,980.00
1 Batching Plant.....	26.00	21	546.00
1 Horiz. Belt Conveyor.....	18.00	21	378.00
1 Inl'd Belt Conveyor.....	26.00	21	546.00
1 Gunite Machine.....	6.00	21	126.00
Concrete Buggies.....	2.00	21	42.00
1 3/4-Cu. Yd. Pick-Up.....	6.00	110	660.00
1 Sedan.....	6.00	110	660.00
Miscellaneous Small Tools.....	lump sum		250.00
<i>(b) Gas, Oil, Grease, Miscellaneous Supplies.....</i>			1,750.00
Total Cost of Plant Operation.....			17,773.00

COST TO THE CONTRACTOR

1. Total Cost of Material-----	\$15,050.00
2. Total Cost of Labor-----	41,522.00
3. Total cost of Plant-----	17,773.00
4. Contractors Overhead-----	2,445.00
5. Mobilization and Demobilization-----	7,210.00
Total Cost to the Contractor-----	\$4,000.00

/s/ Theodore Wyman, Jr.,
THEODORE WYMAN, Jr.,
Lt. Col., Corps of Engineers,
District Engineer.

Recapitulation of Estimated Cost

1. Total Cost of Work.	
(a) Direct Cost:	
Total Cost to the Contractor-----	\$84,000.00
Contingencies—10%-----	8,400.00
Total Direct Cost-----	92,400.00
(b) Indirect Cost:	
Survey, Inspection, Engineering-----	\$6,720.00
Total Indirect Cost-----	6,720.00
Total Field Cost-----	99,120.00
Estimated Total Cost to the Government-----	105,840.00

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

/s/ Theo Wyman, Jr.,
THEODORE WYMAN, Jr.,
Lt. Col., Corps of Engineers,
District Engineer.

WAR DEPARTMENT,
UNITED STATES ENGINEER OFFICE,
Honolulu, T. H., October 13, 1941.

JOB ORDER NO. 20.140.
Contract W-414-eng-602.

To: Hawaiian Constructors, Honolulu, T. H.

You are hereby directed to proceed with the following work:

- PROJECT TITLE: Construct and Complete Access Road to Gasoline Storage and Dispensing System.
- LOCATION: Bellows Field, Oahu, T. H.
- OFFICE FILE REFERENCE: ND 611.
- WORK TO BE DONE: Construct approximately 8000 linear feet of 18' road complete with necessary bridge and drainage structures, and do all necessary appurtenant work.
- WORK REQUESTED BY: Commanding General—Hawaiian Department.
- DRAWINGS AND REFERENCES: Drawings, Bellows Field, Oahu, T. H., Gasoline Storage Access Road, File Nos. F-2/69 to F-2/76 inclusive.
- APPROPRIATION CHARGEABLE: Eng. 991.
- ESTIMATED COST: \$26,000.00.
- COMMENCEMENT DATE: October 12, 1941.
- ESTIMATED DATE FOR COMPLETION: November 15, 1941.
- ESTIMATED LABOR AT SITE: See detailed estimate to be furnished later.
- PLANT REQUIRED: " " " " " "
- MATERIALS: " " " " " "
- Supervised by: The Area Engineers—Fifth Field Area.

(Sgd.) 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. 20.140

Contract W-414-eng-602.

WORK TO BE DONE: Construct and Complete Access Road to Gasoline Storage and Dispensing Systems.

DISTRICT: Honolulu District, Honolulu, T. H.

The work to be done, as provided for herein, is located at Bellows Field, on the Island of Oahu, T. H., and is limited to the following specific item:

1. Furnish all labor and equipment and perform all work necessary to construct approximately 8000 linear feet of 18' road complete with necessary bridge, and drainage structures, and do all necessary appurtenant work.

All of the work to be done shall be in accordance with the specifications to accompanying Job Order No. 20.140 and the details shown on the drawings enumerated in the specifications.

The total cost of the work to be done shall not exceed \$26,000.00.

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

Recapitulation of Estimated Cost

1. Total Cost of Work:

(a) Direct Cost:

Total Cost to the Contractor-----	\$26,000.00
Contingencies—10%-----	2,600.00

Total Direct Cost-----	28,600.00
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(b) Indirect Cost:

Survey, Inspection, Engineering-----	\$2,080.00
Total Indirect Cost-----	2,080.00

Total Field Cost-----	30,680.00
General Office Overhead-----	2,080.00

Estimated Total Cost to the Government-----	32,760.00
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This estimate is prepared for use in the District Only and is not for distribution to the Contractor.

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

WAR DEPARTMENT

UNITED STATES ENGINEER OFFICE

Honolulu, T. H., December 25, 1941.

JOB ORDER NO. 20.150
Contract W-414-eng-602

To: Hawaiian Constructors, Honolulu, T. H.

You are hereby directed to proceed with the following work:

1. PROJECT TITLE: Construct Tunnel; Bellows Field.
2. LOCATION: Oahu, T. H.
3. OFFICE FILE REFERENCE: None.
4. WORK TO BE DONE: Construct tunnel and install six gasoline tanks therein, in accordance with plans and instructions to be furnished the Area Engineer.

5. WORK REQUESTED BY: Commanding General—Hawaiian Department.
6. DRAWINGS AND REFERENCES: To be furnished.
7. APPROPRIATION CHARGEABLE: Eng. 1067.
8. ESTIMATED 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 (Construct Tunnel and install six gasoline tanks. Bellows 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. 3084.

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 BOMB CRASH NO. 4E

WAR DEPARTMENT

UNITED STATES ENGINEER OFFICE

Honolulu, T. H.

Contract NO. 414-eng-602.

Barking Sands, Kauai, T. H.

Job Order #21, April 26, 1941

Construct—Fabricate and install (two) each 50,000 gallon storage tanks

(Two tanks will be fabricated by the Government)

Est Cost \$114,350.76.

Commencement Date: April 21, 1941.

Est Date for Completion: June 21, 1941.

Supervision by H. K. Helmholdt, Area Engr. 5th Field Area.

WAR DEPARTMENT,

UNITED STATES ENGINEER OFFICE,

Honolulu, T. H., April 26, 1941.

JOB ORD-331 NO. 211

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 2 each 50,000 gallon gasoline storage tanks.
2. LOCATION: Barking Sands, Kauai, T. H.