

J4.02

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C

DUPLICATE

DO NOT FILL IN

Filing date
Date project rating issued
Project rating
Expiration date of rating

Read Instructions Carefully Before Filling Out Form

WAR PRODUCTION BOARD
PROJECTS REQUIREMENTS PLAN
WASHINGTON, D. C.

1. Application for priority assistance ☒

2. Application for authority to begin construction requiring no priority assistance ☐

(Check (✓) whichever applies)

DO NOT FILL IN

Serial No.
Primary industrial branch
Product
State
Industrial area
Location of project

COLORADO RIVER WAR RELOCATION PROJECT
(Name of applicant)

(Street address of applicant)

POSTON, ARIZONA

(City and State)

COLORADO RIVER WAR RELOCATION PROJECT AREA

(Location of project—street address)

(County)

YUMA

POSTON, ARIZONA

(City and State)

Section A.—(Read Instructions Carefully)

QUESTION No. TO BE ANSWERED BELOW BY APPLICANT

- Describe product or service to be produced by the project.
- Describe the project in detail for identification stating for each structure:
 - If it is new or an extension, an addition or an alteration to an existing structure.
 - Plan sizes.
 - Story heights and number of stories.
 - If multistory, could the structure be redesigned as one story?
 - Type of structure (frame, concrete and steel, etc.).
- Explain in detail the relation of the project to the war program or to the maintenance and promotion of public health or public safety.
- Explain in detail what consideration has been given to:
 - Use of other available facilities.
 - Subcontracting any portion of the products or services to be produced with the new facilities.
 - Conservation of scarce materials in planning project.
- Can you convert existing facilities now devoted to other products? If not, why not?
- What percentage of your business is represented by prime contracts with the Army, Navy or Maritime Commission during the last calendar quarter?
- Have you made any other application related to the proposed project or any part thereof? For each such application record the serial number, the date, and the action taken.
- Have you made any application for tax amortization privileges (necessity certificates) (under section 124 Internal Revenue Code) for facilities at this location? If so give file or certificate number, the date, and the action taken.
- State reasons for choice of location and site of proposed project.

QUESTION No. TO BE ANSWERED IN SPACES PROVIDED

- | | Construction | Equipment installation |
|--|--------------|------------------------|
| (a) Date started or scheduled to start..... | | |
| Percent complete..... | | |
| Date scheduled for completion..... | | |
| Date scheduled for initial operation..... | | |
| (b) Beginning and completion dates for following stages of construction. | | |
| | Beginning | Completion |
| 1. Foundation..... | | |
| 2. Framing..... | | |
| 3. Building enclosed..... | | |
| 4. Plumbing..... | | |
| 5. Electrical..... | | |

It is estimated that the project will be completed six months after the issuance of a preference rating and the delivery of materials.
- State estimated cost:

	Federal funds	Private funds	Total
Land.....			
Building and other construction.....			
Equipment:			
Machine tools.....			
Other metal working machinery.....			
Power generating and distributing equipment.....			
Furnaces (processing).....			
Other.....			
Other costs (specify):			
Labor	150,000.00		150,000.00
TOTAL COST	\$375,634.89		\$375,634.89
- The facilities described in this application will require the following additional services:

(a) Maximum electric power demand (kilowatts).....	240.
(b) Water (thousands of gallons per day).....	34000
(c) Gas (thousands of cubic feet per day).....	12,000 c.f.
(d) Installations from existing adequate connections for (a) and (b) and (c) above (indicate distance involved).....	approx. 400 ft.

QUESTION No. IDENTIFY EACH STATEMENT WITH CORRESPONDING QUESTION NUMBER (Shown above)

- ~~The building constructed under this project are to provide housing facilities for the Administrative personnel of the Colorado River War Relocation Project.~~
- ~~(a) Project consists of 80 identical housing units and 4 community laundry buildings and all outside utility services (see Exhibits B to H).~~
~~(b) Housing units are 23' x 0" x 44'-0", laundry buildings are 20'-0" x 50'-0".~~
~~(c) All buildings to have 8'-0" ceilings and are to be one story.~~
~~(d) One story~~
~~(e) All buildings are to be entirely of frame construction.~~
- ~~The War Relocation Authority was established by Executive Order No. 9102 March 18, 1942, which directed this agency to cooperate with the War Department in evacuating and relocating persons evacuated from military areas (see Exhibit A). In the interest of national defense, public health and safety it is important that adequate housing be provided for the administrative staff assigned to the War Relocation Authority. Since the project area is in an isolated section of the state, adequate housing facilities outside of the project area are not available. The construction of these facilities will provide suitable housing accommodations directly on the project area (continued on ATTACHED SHEET)~~
- and will eliminate the present necessity of staff members having to use their personal cars and tires to travel daily a considerable distance to and from the project. The provision of adequate housing facilities in the project area will also promote greater efficiency of the Administration Staff members since they will be available on the project at all times.
- (a) (b) Non-existent/
(c) Frame construction has been used throughout and only the minimum requirements for plumbing sewers and electric lighting have been incorporated. Plumbing fittings are in accordance with new army specification PE 623.
- Non-existent/
- Question not applicable to War Relocation Authority
- No.
- Question not applicable to War Relocation Authority.
- As will be noted an attached plot plan, housing facilities are located on only available site in close proximity to Administration offices of War Relocation Authority and existing sewer, water and electric utilities.

CLASS NO.	DESCRIPTION OF EQUIPMENT INCLUDING SIZE, MODEL, AND CAPACITY.	NAME OF MANUFAC- TURER	TOTAL REQUIREMENTS		MACHINERY AND EQUIPMENT ON WHICH RATING IS REQUESTED			Leave blank	Leave blank
			NUMBER OF UNITS	VALUE	REQUIRED DELIVERY DATE	NUMBER OF UNITS	VALUE		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)

[illegible]

			TOTAL,	x x x x x x	x x x x x x	x x x x x x	x x x x x x
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[illegible][illegible]

The undersigned hereby certifies that he is authorized to execute this application on behalf of the applicant; the quantities and required delivery date(s) specified are not greater nor earlier than necessary for completion on time of this project; the facts herein set forth, or appended, are true and correct to the best of his knowledge and belief.

Section 35 (A) of the United States Criminal Code (18 U. S. C. A. 80) makes it a criminal offense to make a false statement or representation to any Department or agency of the United States as to any matter within its jurisdiction.

TOTAL OF CRITICAL
MATERIALS AFTER
SUBSTITUTIONS----- \$-----

The ratings assigned in column 10 to the items in the quantities listed in columns 4 and 5, as they may be modified in column 9 and by the substitutions provided hereon, are hereby approved.

Branch.

(Date)

EXECUTIVE ORDER

Exhibit A

ESTABLISHING THE WAR RELOCATION AUTHORITY IN THE
EXECUTIVE OFFICE OF THE PRESIDENT AND DEFINING
ITS FUNCTIONS AND DUTIES

By virtue of the authority vested in me by the Constitution and statutes of the United States, as President of the United States and Commander in Chief of the Army and Navy, and in order to provide for the removal from designated areas of persons whose removal is necessary in the interests of national security, it is ordered as follows:

1. There is established in the Office for Emergency Management of the Executive Office of the President the War Relocation Authority, at the head of which shall be a Director appointed by and responsible to the President.

2. The Director of the War Relocation Authority is authorized and directed to formulate and effectuate a program for the removal, from the areas designated from time to time by the Secretary of War or appropriate military commander under the authority of Executive Order No. 9066 of February 19, 1942, of the persons or classes of persons designated under such Executive Order, and for their relocation, maintenance, and supervision.

3. In effectuating such program the Director shall have authority to--

(a) Accomplish all necessary evacuation not undertaken by the Secretary of War or appropriate military commander, provide for the relocation of such persons in appropriate places, provide for their needs in such manner as may be appropriate, and supervise their activities.

(b) Provide, insofar as feasible and desirable, for the employment of such persons at useful work in industry, commerce, agriculture, or public projects, prescribe the terms and conditions of such public employment, and safeguard the public interest in the private employment of such persons.

(c) Secure the cooperation, assistance, or services of any governmental agency.

(d) Prescribe regulations necessary or desirable to promote effective execution of such program, and, as a means of coordinating evacuation and relocation activities, consult with the Secretary of War with respect to regulations issued and measures taken by him.

(e) Make such delegations of authority as he may deem necessary.

(f) Employ necessary personnel, and make such expenditures, including the making of loans and grants and the purchase of real property, as may be necessary, within the limits of such funds as may be made available to the Authority.

4. The Director shall consult with the United States Employment Service and other agencies on employment and other problems incident to activities under this order.

5. The Director shall cooperate with the Alien Property Custodian appointed pursuant to Executive Order No. 9095 of March 11, 1942, in formulating policies to govern the custody, management, and disposal by the Alien Property Custodian of property belonging to foreign nationals removed under this order or under Executive Order No. 9066 of February 19, 1942; and may assist all other persons removed under either of such Executive Orders in the management and disposal of their property.

6. Departments and agencies of the United States are directed to cooperate with and assist the Director in his activities hereunder. The Departments of War and Justice, under the direction of the Secretary of War and the Attorney General, respectively, shall insofar as consistent with the national interest provide such protective, police and investigational services as the Director shall find necessary in connection with activities under this order.

7. There is established within the War Relocation Authority the War Relocation Work Corps. The Director shall provide, by general regulations, for the enlistment in such Corps, for the duration of the present war, of persons removed under this order or under Executive Order No. 9066 of February 19, 1942, and shall prescribe the terms and conditions of the work to be performed by such Corps, and the compensation to be paid.

8. There is established within the War Relocation Authority a Liaison Committee on War Relocation, which shall consist of the Secretary of War, the Secretary of the Treasury, the Attorney General, the Secretary of Agriculture, the Secretary of Labor, the Federal Security Administrator, the Director of Civilian Defense, and the Alien Property Custodian, or their deputies, and such other persons or agencies as the Director may designate. The Liaison Committee shall meet at the call of the Director and shall assist him in his duties.

9. The Director shall keep the President informed with regard to the progress made in carrying out this order, and perform such related duties as the President may from time to time assign to him.

10. In order to avoid duplication of evacuation activities under this order and Executive Order No. 9066 of February 19, 1942, the Director shall not undertake any evacuation activities within military areas designated under said Executive Order No. 9066, without the prior approval of the Secretary of War or the appropriate military commander.

11. This order does not limit the authority granted in Executive Order No. 8972 of December 12, 1941; Executive Order No. 9066 of February 19, 1942; Executive Order No. 9095 of March 11, 1942; Executive Proclamation No. 2525 of December 7, 1941; Executive Proclamation No. 2526 of December 8, 1941; Executive Proclamation No. 2527 of December 8, 1941; Executive Proclamation No. 2533 of December 29, 1941; or Executive Proclamation No. 2537 of January 14, 1942; nor does it limit the functions of the Federal Bureau of Investigation.

FRANKLIN D. ROOSEVELT

THE WHITE HOUSE
March 18, 1942.

-Public Law 678 -- 77th Congress, Chapter 524 -- 2d Session - H. R. 7319, provides authority to appropriate money in the Treasury as follows:

"..... Par. 1. For all necessary expenses of the constituent agencies of the Office for Emergency Management in paragraphs 2 to 12, inclusive, in performing their respective functions and activities, without regard to section 3709, Revised Statutes (except as otherwise specified herein), including (in addition to the objects specified respectively under each head) personal services in the District of Columbia and elsewhere; contract stenographic reporting services; lawbooks, books of reference, newspapers and periodicals; printing and binding; procurement of supplies and equipment, including typewriters, adding machines and other labor-saving devices and their repair and exchange; purchase and exchange, maintenance, operation, and repair of passenger-carrying automobiles, trucks, station wagons, and motorcycles; transfer of household goods and effects as provided by the Act of October 10, 1940; acceptance and utilization of voluntary and uncompensated services; and traveling expenses, including expenses of attendance at meetings of organizations concerned with the work of the agency from whose appropriation such expenses are paid, and actual transportation and other necessary expenses, and not to exceed \$10 (unless otherwise specified) per diem in lieu of subsistence, of persons serving while away from their permanent homes or regular places of business in an advisory capacity to or employed by any of such agencies without other compensation from the United States, or at \$1 per annum, as follows:....."

"..... Par. 12. War Relocation Authority: For the War Relocation Authority, \$70,000,000, including expenses incident to the extension of the program provided for in Executive order of March 18, 1942, to persons of Japanese ancestry not evacuated from military areas; salary of the Director at not to exceed \$10,000 per annum; the employment of school teachers and not to exceed \$195,000 for the employment of other persons or organizations, by contract or otherwise, without regard to the civil-service and classification laws; employment of aliens; transfer of household goods and effects as provided by the Act of October 10, 1940, including the travel expenses and the transfer of such goods and effects of employees transferred from other Federal agencies to the Authority at its request; purchase, exchange, maintenance, repair, and operation of motor-propelled passenger-carrying and other vehicles and equipment; not to exceed \$75,000 for payments to States or political subdivisions thereof, or other local public taxing units, of sums in lieu of taxes against real property acquired by the Authority for the purposes hereof, or payments for the performance of governmental services required in connection with the administration of the program; the disposal, by public or private sale, of goods or commodities produced or manufactured in the performance of activities hereunder, the proceeds of which shall be deposited in a special fund and thereafter shall remain available until expended for the purposes hereof: Provided, That the provisions of the Act of February 15, 1934 (48 Stat. 351), as amended, relating to disability or death compensation and benefits, shall apply to persons receiving from the United States compensation in the form of subsistence cash advances, or other allowances in accordance with regulations prescribed by the Director of the War Relocation Authority for work performed in connection with such program, including work performed in the War Relocation Work Corps: Provided further, That this provision shall not apply in any case coming within the purview of the workmen's compensation laws of any State, Territory, or possession, or in which the claimant has received or is entitled to receive similar benefits for injury or death....."

LIST OF MATERIALS NEEDED FOR PROJECT*Exhibit I*CRITICAL MATERIALS LISTADMINISTRATION PERSONNEL HOUSINGCOLORADO RIVER WAR RELOCATION PROJECT AREA

PD-800 No.	Item	Unit of Measure	No. of Units	Value	Description of Use	Required Del. Date	Quantity	Value
32130	Transformers 237.5 KVA	Each	8	1800.00	Lighting System	12-42	8 ea.	1800.00
32900	Primary Cutouts	Each	8	52.00	do	12-42	8 ea.	52.00
32900	Neutral Gap & Lightning Arresters	Each	8	32.76	do	12-42	8 ea.	32.76
51910	Manhole Covers & Rings	lbs.	750	120.00	Sewer System	1-43	750 lbs	120.00
52521	Perforated Steel Straps	lbs.	2000	100.00	Pipe hangers	1-43	2000 lbs	100.00
52730	Wire rope - common guystand	lbs.	244	22.53	Pole guys	12-42	244 lbs.	22.53
52760	Insect Screen, 16 m.	s.f.	14432	1010.24	Window screens	2-43	14432 s.f.	1010.24
52770	Nails, Staples, etc.	lbs.	26500	1590.00	Framing	11-42	26500 lbs	1590.00
52910	Bolts, Dowels	lbs.	2102	135.09	Framing	11-42	2102 lbs	135.09
52920	Hardware, butts	Each	1738	4074.90	Door Hardware	1-43	1738 Ea.	4074.90
52920	Hardware, locks	Each	888	2481.60	do	1-43	888 ea.	2481.60
52920	Hardware, window locks, etc.	Units	8416	498.00	Misc. Hardware	1-43	8416 unts	498.00
69590	Sheet Lead	lbs.	736	264.00	Vent pipe flashing	12-42	736 lbs	264.00
69910	Pig Lead	lbs.	11100	1110.00	Caulking	11-42	11100 lbs	1110.00
71110	Sewage pipe, cast iron	lbs.	16860	1127.50	Sewer System	11-42	16860 lbs	1127.50

PD-200 No.	Item	Unit of Measure	No. of Units	Value	Description of Use	Required Del. Date	Quantity	Value
71110	Sewage pipe, fittings	lbs.	16788	2597.10	do	11-42	16788 lbs	3004.00
71120	Water Pipe lines, cast iron	lbs.	94400	2714.00	Water System	11-42	94400 lbs	2714.00
71120	Water pipe fittings, cast iron	lbs.	3032	331.50	do	11-42	3032 lbs	331.50
71140	Gas Lines, black iron pipe	lbs.	52900	3004.00	Heating system	11-42	52900 lbs	3004.00
71140	Gas Lines, fittings (Galv. mal.)	lbs.	9441	2402.79	do	11-42	9441 lbs	2402.79
71220	Water Pipe Galv. Iron	lbs.	34328	2320.00	do	11-42	34328 lbs	2320.00
71220	Water Pipe fittings, Galv. iron.	lbs.	4589	2220.20	do	11-42	4589 lbs	2220.00
72100	Valves, 4" Iron body, brass mounted	lbs.	104	18.00	do	11-42	104 lbs	18.00
72500	Fire Hydrants, cast iron	each	6	600.00	Fire Protection	1-43	6 ea.	600.00
73100	Plumbing fixtures Duraclay Kitchen sinks	each	80	456.00	Plumbing System	2-43	80 ea.	456.00
73100	Plumbing fixtures, Vitreous China lavatories	each	80	1320.00	Plumbing System	2-43	80 ea.	1320.00
73100	Plumbing fixtures, vitreous China water closets	each	80	2000.00	do	2-43	80 ea.	2000.00
73100	Plumbing fixtures, fiber board shower stalls CE4713	each	80	940.00	do	1-43	80 ea.	940.00
73100	Plumbing fixtures, cement laundry trays	each	48	600.00	do	2-43	48 ea.	600.00
73200	Hot water heaters, Butane gas fired	each	80	5000.00	Hot water supply	1-43	80 ea.	5000.00

PD-200 No.	Item	Unit of Measure	No. of Units	Value	Description of Use	Required Del. Date	Quantity	Value
73200	Hot water storage, oil fired	each	4	310.00	do	1-43	4 ea.	310.00
73900	Plumbing specialties set for each sink, lavatory, shower, & laundry tray	sets	288	2454.00	do	2-43	288 sets	2454.00
74020	Furnaces Butane gas fired, forced air circulation	each	80	8000.00	House heaters	3-43	80 ea.	8000.00
74600	Butane gas storage tanks (inc. guages, etc. 5000 gals)	each	7	14000.00	Heat, cooking, etc.	2-43	7 ea.	14000.00
74900	Butane gas pressure regu- lators & meters	each	194	970.00	Heating system	2-43	194 ea.	970.00
76111	Transmission & Grounding Wire	(L.F. (lbs.	6120) 576)	96.94	Lighting system	12-42	6120 L.F.	96.94
76113	Secondary Dist. W.P. Wire	(L.F. (lbs.	25900) 1710)	406.63	do	12-42	25900 L.F.	406.63
76114	Braidx	(L.F. 12/2 (L.F. 8/2 (lbs.	64000) 2400) 8576)	2680.00	Lighting system	12-42	8576 lbs.	2680.00
76130	Wire fittings & Access- ories	lbs.	69	197.52	do	12-42	69 lbs.	197.57
76130	Switch & Outlet Boxes, Panels, etc.	each	10400	4109.00	do	12-42	10400 each	4109.00
76210	Electric fixtures	each	720	3000.00	Lighting System	4-43	720 ea.	3000.00
76310	Conduit 1" (steel galv.)	(L.F. (lbs.	2400) 404)	360.00	do	12-42	2400 L.F.	360.00

PD-200 No.	Item	Unit of Measure	No. of Units	Value	Description of Use.	Required Del. Date	Quantity	Value
76310	Conduit Fittings	(Each (lbs.	80) 131)	80.00	do	12-42	80 ea.	80.00
76910	Pole line hardware	lbs.	1897	273.77	do	12-42	1897 lbs.	273.77
83400	Clay pipe, glazed sewer pipe	lin. ft.	3700	1227.00	Sewer System	11-42	3700 lin.ft.	1227.00
83400	Clay pipe, glazed " fittings	ea.	180	259.00	do	11-42	180 ea.	259.00
85200	Flat Transite board, 1/2" thick	Sq. ft.	20480	4096.00	Ducts	1-43	20480 sq.ft.	4096.00
85400	Asbestos flue pipe 4" dia.	L.F.	1200	300.00	Stove vents	12-42	1200 L.F.	300.00
87910	Cement	Bbls.	476	1428.00	Foundations & floors	11-42	476 Bbls.	1428.00
88200	Plaster board, 1/2" thick	Sq. ft.	186000	5580.00	Wall finish	12-42	186000 sq.ft.	5580.00
89010	Constr. Lumber 2" thick and under	B.M.	977697	58661.82	Framing	11-42	977697 fbm.	58661.82
89010	Wood Shingles	Squares	1170	4680.00	Roof Covering	12-42	1170 squares	4680.00
89020	Constr. Lumber, over 2" thick	B.M.	1025	158.55	Framing	11-42	1025 fbm.	158.55
89030	Finish Lumber	B.M.	251370	17595.90	Interior Trim	12-42	251370 fbm.	17595.90
89040	Finish Flooring	B.M.	112000	8400.00	Flooring	1-43	112000 fbm.	8400.00
89070	Doors and frames	Each	1052	7248.00	Ext. & Int. doors	12-42	1052 ea.	7248.00
89080	Window sash and frames	Each	1096	6216.00	Ext. windows	12-42	1096 ea.	6216.00
89090	Plywood, Douglas fir	Sq. ft.	7040	1056.00	Cabinets	1-43	7040 sq.ft.	1056.00

PD-200 No.	Item	Unit of Measure	No. of Units	Value	Description of Use.	Required Delivery Date	Quantity	Value
89110	Fiber board insulation	Sq. ft.	68800	4128.00	Ceiling Finish	1-43	68800 s.f.	4128.00
89120	Wall board tempered hard	Sq. ft.	52000	5200.00	Bath & kitchen walls	12-42	52000 s.f.	5200.00
89160	Poles (Electric service) W. Red Cedar	L.F.	947	868.60	Lighting System	12-42	947 L.F.	868.60
89901	Lead Paint	Gals	2840	7100.00	Ext. & Int. Paint- ing	3-43	2840 gals.	7100.00
89909	Other paint	Gals.	2400	3380.00	do	3-43	2400 gals.	3380.00
TOTAL				\$215869.89				

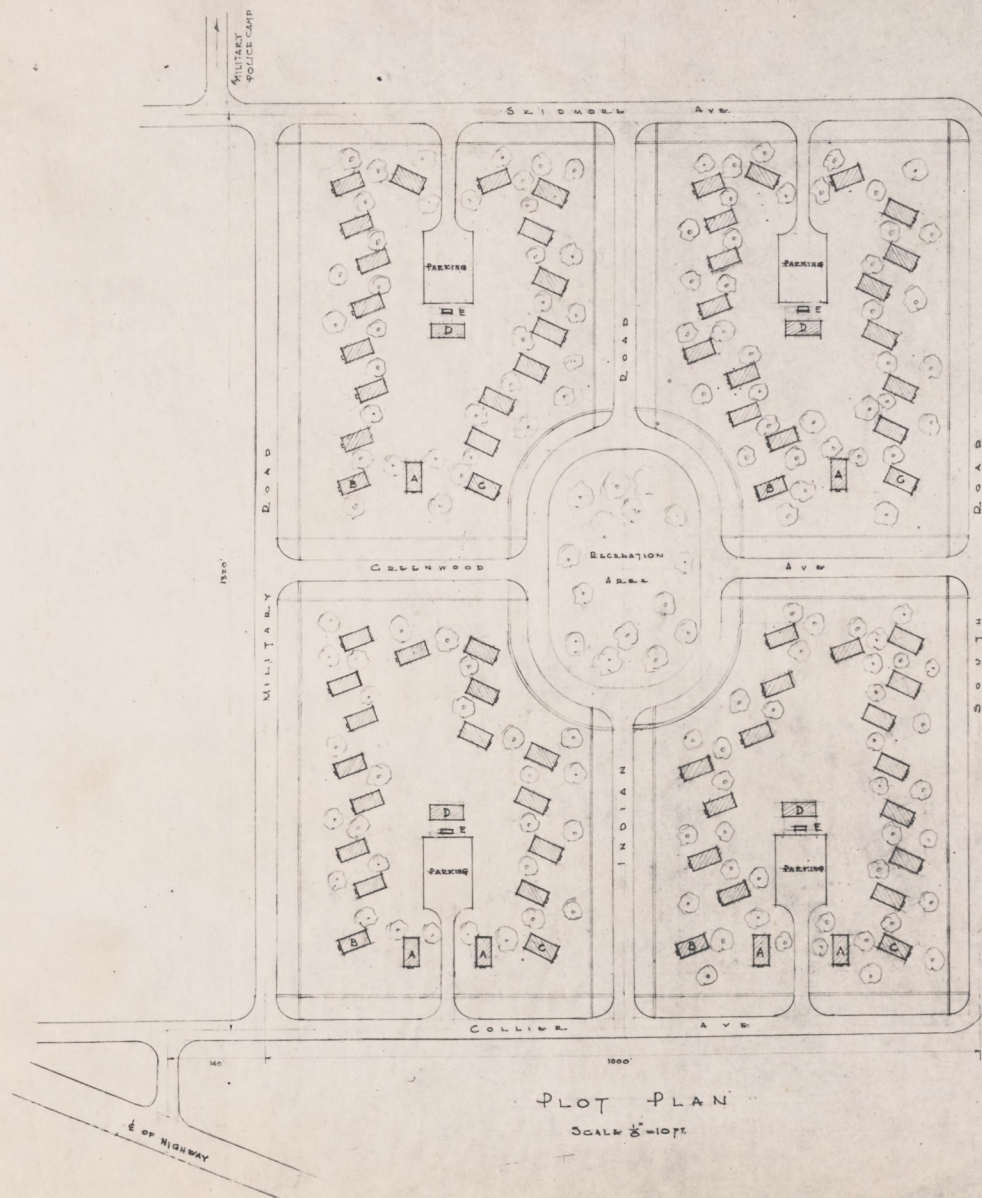
LIST OF NON-CRITICAL MATERIALSCOLORADO RIVER WAR RELOCATION PROJECT AREA

PD-200 No.	Item	Unit of Measure	No. of Units	Value	Description of Use.	Required Del.Date	Quantity	Value
99000	Oakum	Lbs.	1750	315.00	Sewer & Water Systems	12-42	1750 lbs.	315.00
99000	Wool Felt	lin. ft.	1680	200.00	Gas pipe covering	1-43	1680 L.F.	200.00
99000	Rockwool Insulation, 3" thick	sq. ft.	80000	8000.00	House insulation	2-43	80000 s.f.	8000.00
99000	Rosin sized paper	rolls	332	494.00	Under flooring	1-43	332 rolls	494.00
99000	15# Felt	rolls	336.	756.00	Under wall siding	12-42	336 rolls	756.00

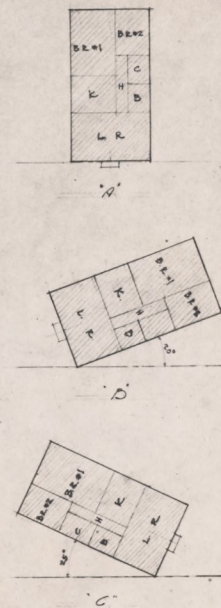
Total Cost Non-Critical Materials \$ 9765.00

Total Cost Critical Materials \$215869.89

Total Cost, all materials \$225634.89



PLOT PLAN
SCALE 1/8" = 100'

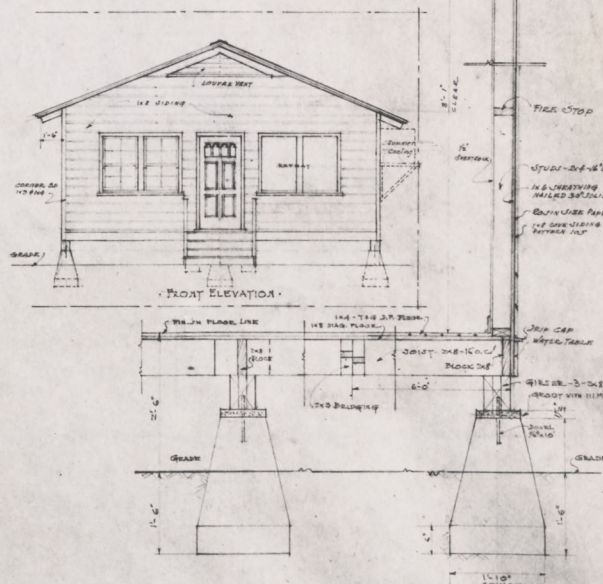
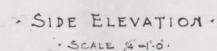


A. Laundry Room

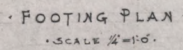
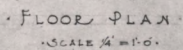
B. 5,000 Gall. DUTCHES 300 TONS

Exhibit C

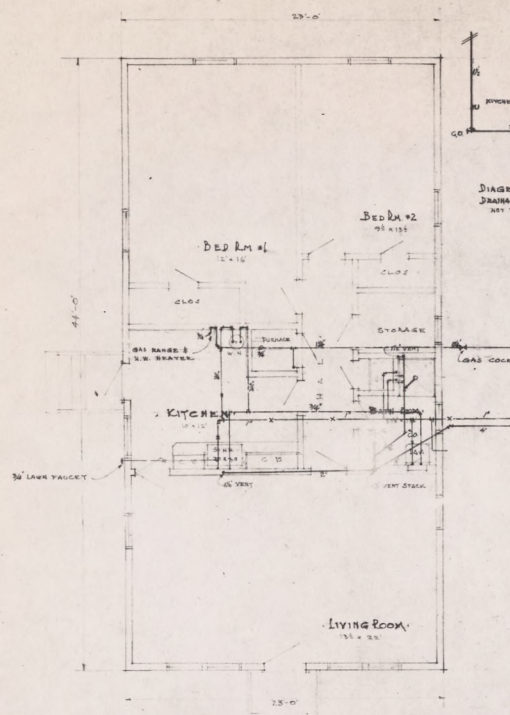
DEPARTMENT OF THE INTERIOR OFFICE OF INDIAN AFFAIRS		REV. NO.
PLOT PLAN		2 of 7
WAR RELOCATION AUTHORITY COLORADO-RIVER ALLOCATION PROJECT W. WADE REED PROJECT DIRECTOR PUEBLO		
DEPARTMENT OF PUBLIC WORKS RE-EMPLOYMENT DIVISION BUILDING CONSTRUCTION DIVISION CHAS. A. POWELL ADJUTANT GENERAL		
DESIGNED BY: THOMAS H. YOUNG	DATE: OCT. 12, 1942	BY: [Signature]
CHECKED BY: Y. H.	DATE: OCT. 12, 1942	BY: [Signature]



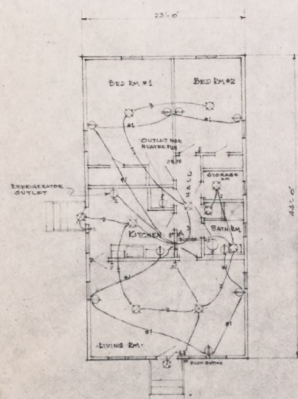
DET. OF SEC. THRU. ROOF & WALL
SCALE 1" = 1'-0"



<h1 style="text-align: center;">Exhibit D</h1>	
<p style="text-align: center;">DEPT. OF THE INTERIOR OFFICE OF INDIAN AFFAIRS</p>	
<p>date</p>	<p>TYPICAL COTTAGE UNIT SHEET</p>
<p>FILE NO.</p>	<p>SEMINATION HOUSING JOB #</p>
<p>NAR. RELOCATION AUTHORITY CORRODON AREA RELOCATION PROJECT IN NAR. HOUSING PROJECT DIRECTOR POSTON, ARIZONA</p>	
<p>DEPARTMENT OF PUBLIC WORKS BAY LUTHERAN CHURCH BUILDING CONSTRUCTION DIVISION CARE & MAINTENANCE SUPERVISOR</p>	
<p>DATE BY APPROVED</p>	<p>DATE BY APPROVED</p>



PLUMBING PLAN
SCALE 1/8"=1'-0"



ELECTRIC WIRING PLAN
SCALE 1/8"=1'-0"

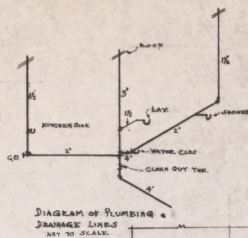
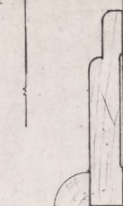
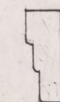


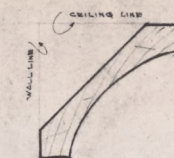
DIAGRAM OF PLUMBING &
DRAINAGE LINES
NOT TO SCALE



BASE & SHOE
3/4" x 3/4" x 5/8" R. ROUND



APRON
3/4" x 1 3/4"



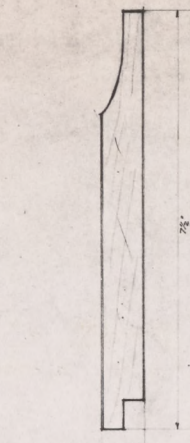
COVE MOLDING
3/4" x 3/4"



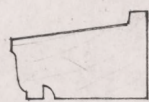
CASING
3/4" x 2"



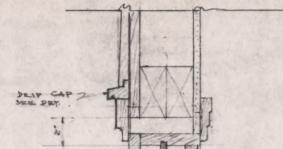
CASING FOR P.H. WINDOW
3/4" x 2"



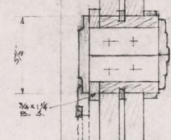
SIDING
3/4" x 7/8"



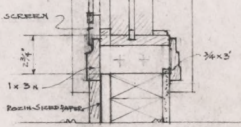
DRIP MOLD-WATER TABLE
1 1/2" x 2 1/2"



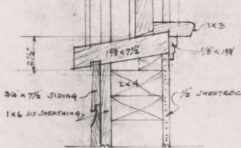
HEAD



MULLION

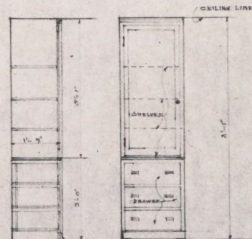


SIDE

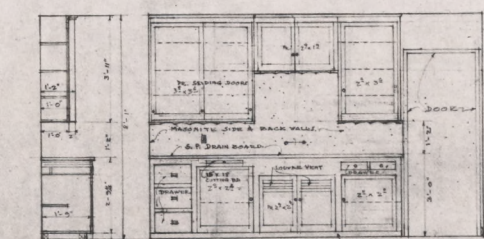


SILL

TYPICAL WINDOW DET.
SCALE 3/8"=1'-0"



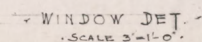
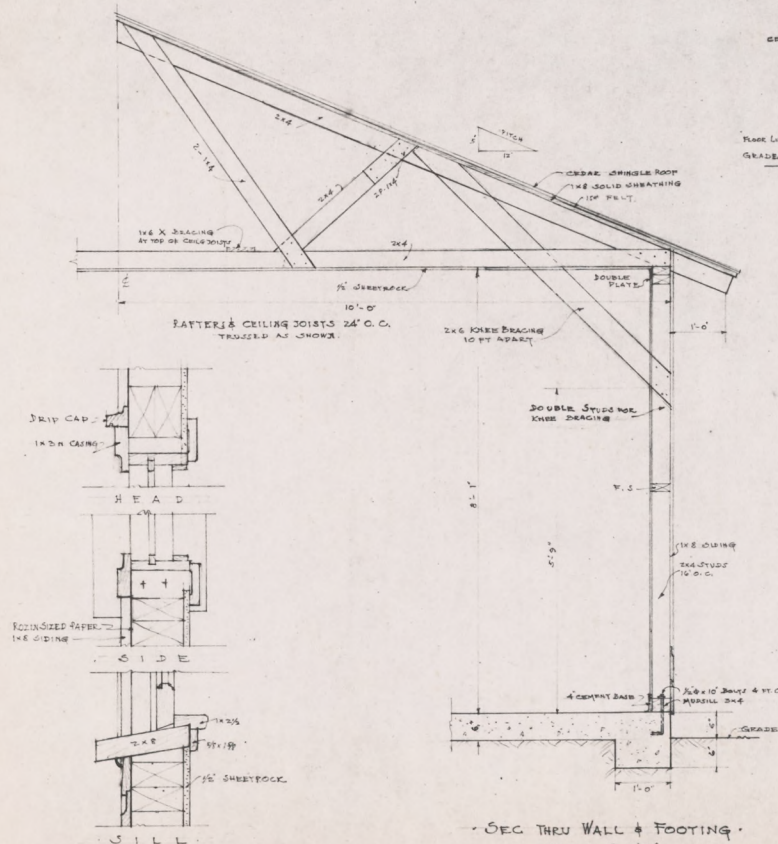
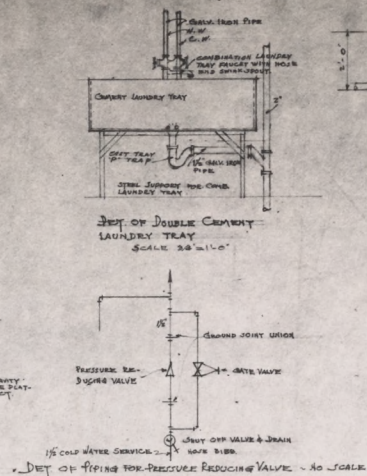
DET. OF LINEN CABINET
SCALE 3/8"=1'-0"



DET. OF KITCHEN CUPBOARD
SCALE 3/8"=1'-0"

Exhibit E

DEPT. OF THE INTERIOR
OFFICE OF INDIAN AFFAIRS
DIVISION OF INDIAN AFFAIRS
BUREAU OF INDIAN AFFAIRS
WASHINGTON, D.C.
1917



DEPARTMENT OF THE INTERIOR
OFFICE OF INDIAN AFFAIRS

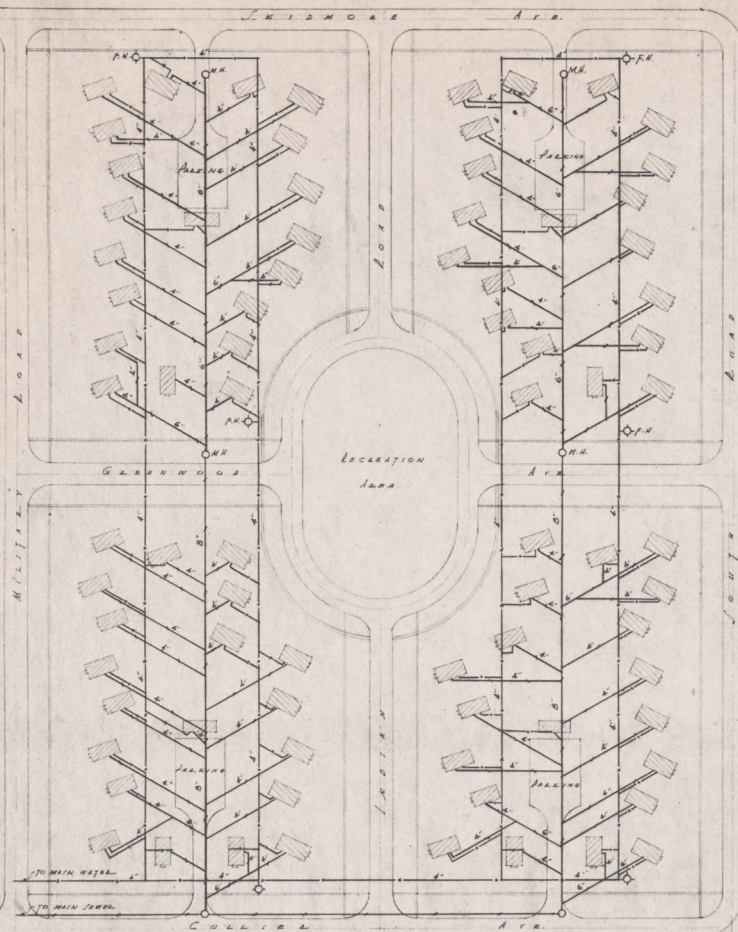
Division TYPICAL COTTAGE UNIT Sheet
Public Administration Housing 5 of 7

War Relocation Authority
Colorado River Relocation Project
W. Wade Hays Project Director
Barstow, California

DEPARTMENT OF PUBLIC WORKS
ROBERT M. RICHARDS CHAIR, FINANCE
BUILDING AND CONSTRUCTION DIVISION
Cesar E. Fornin, Acting Division Chief

Jul 26 1942
J. M. HARRIS, JR.
J. M. HARRIS, JR.
J. M. HARRIS, JR.

MILITARY
SOURCE CAMP



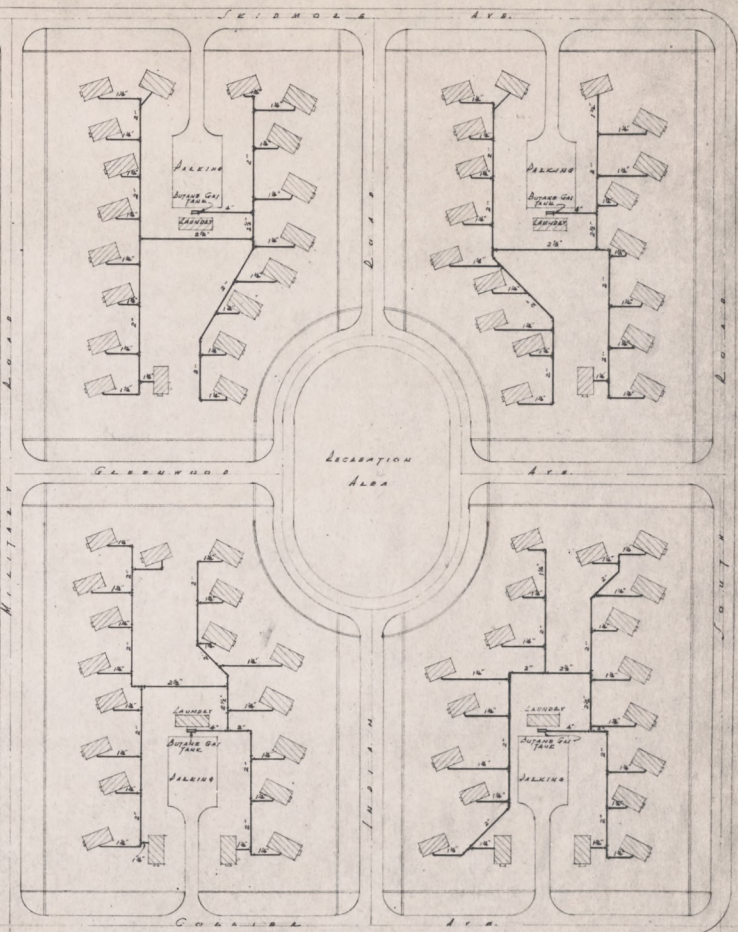
PLUMBING PLAN
Scale 1/8" = 10 ft.

LEGEND

◆ FINE HYDRANT
— WATER LINE
- - - SEWER LINE

Note: WATER SERVICE TO EACH
COTTAGE SHALL BE 1"
GALVANIZED IRON PIPE.

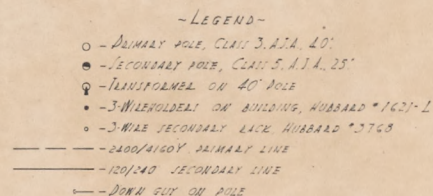
MILITARY
SOURCE CAMP



PLUMBING PLAN FOR BUTANE GAS
Scale 1/8" = 10 ft.

Exhibit G

DEPARTMENT OF THE INTERIOR
OFFICE OF INDIAN AFFAIRS
PLUMBING PLAN FOR
WATER, SEWER & BUTANE GAS
WALL RELOCATION AUTHORITY
COLORADO SPRINGS RELOCATION PROJECT
W. W. HARRIS, DIST. DIRECTOR
BUTLER, ALCONA
DEPARTMENT OF PUBLIC WORKS
L. W. HARRIS, CHIEF ENGR.
BUILDING CONSULTATION DIVISION
CHAS. A. MORRIS, ACTING CHIEF ENGR.
RECORDED & INDEXED
RECORDED & INDEXED
RECORDED & INDEXED



ELECTRICAL DISTRIBUTION
SCALE 8' - 10 ft.

Exhibit A

DEPARTMENT OF THE INTERIOR		OFFICE OF INDIAN AFFAIRS	
STATION NO.	ELECTRICAL DISTRIBUTION		PROJECT NO.
PROJECT NO.	ADMINISTRATION BUILDING		T-O-T
WAS RELOCATION AUTHORITY			
COLORADO RIVER RELOCATION PROJECT			
W. WASH. BRAD		PROJECT DIRECTOR	
DEPARTMENT OF PUBLIC WORKS			
ROBT. H. LIPPERT CHIEF ENGR.			
BUILDING CONSTRUCTION DIVISION			
CHAS. A. PUGHEN ASSISTANT ENGR.			
CHAS. A. PUGHEN	PROJECT NO.	DATE APPROVED	BY
A.S.A. W. RANAVANT	10-20-4	10-20-4	10-20-4

SPECIFICATIONS AND SPECIAL PROVISIONS
FOR
HIGHWAY SURFACE TREATMENT
COLORADO RIVER RELOCATION CENTER
POSTON, ARIZONA

(4435-A)

1. Proposed Work. The work proposed under this contract consists of seal coat and shoulder penetration treatment with bituminous material and cover aggregate of approximately 9-1/2 miles of the main highway between Parker, Arizona and the Colorado River Relocation Center on the Colorado River Indian Reservation, Yuma County, Arizona, the section of the highway to be treated in accordance with these specifications lying between Station 165 + 00 of Project 1-B and Station 670 + 00 of Project 1-C. The approximate center of the work is some 16-1/2 miles southwest of Parker, Arizona. The work shall be performed in accordance with Item 113, Class A Seal Coats, of the Specifications for Construction of Roads and Bridges in National Forests and National Parks 1941, designated as FP-41, and as hereinafter provided.

2. Services, Materials and Equipment Furnished by Contractor. The contractor shall furnish all labor, tools and equipment required, including distributor, roller, broom, aggregate spreader, and trucks, and all materials and supplies for the operation and maintenance of the contractor's equipment, including fuel, lubricants, and equipment repair parts. The contractor shall also furnish at site of the work the required amounts of MC-3 liquid asphalt and RS-1 emulsified asphalt. Aggregate shall be hauled by the contractor from stock pile to site of work.

3. Services and Materials Furnished by the Government. The Government will furnish the required aggregate loaded into the contractor's trucks at stock pile and will prepare the shoulders in proper condition to receive the penetration treatment.

4. Details of Work.

(a) Shoulder Penetration. MC-3 liquid asphalt shall be applied to the stabilized shoulders over a five (5) feet width on each side of the pavement, in two applications if necessary to insure proper penetration with no loss of the asphalt due to surplus oil flushing down the slope. Total application rate shall be approximately 0.5 gallons per square yard. MC-3 liquid asphalt shall conform to the specifications of the Asphaltic Institute of July, 1940, and shall be applied at a minimum temperature of 175° F. Estimated gallonage, 28,000 gallons.

(b) Seal Coat. RS-1 emulsified asphalt, conforming to A.A.S.H.O. Specification M-51, shall be applied at the rate of approximately 0.35 gallons per square yard over a roadway width of 28 feet, shoulder to shoulder. Estimated gallonage, 55,000 gallons. Hauling, spreading, rolling and brooming of aggregate shall be in accordance with Item 113-3.6 and 113-3.7 of FP-41 Specifications. Estimated quantity of aggregate, 1,200 cubic yards, to be applied at approximately 20 pounds per square yard over the 28-foot width of roadway. Estimated cubic yard-mile of haul, 8,400.

The surface of the pavement and penetrated shoulders shall be properly cleaned in accordance with Item 113-3.3 and 113-3.5 of FP-41 Specifications.

5. Determination of Quantities and Basis of Payment. Quantities shall be determined in the following manner and payment therefor made according

(a) Contractor to furnish certified weight certificates of the MC-3 liquid asphalt applied as a basis of calculating the gallonage at 60° F. (Item 1 of the attached Schedule).

(b) Contractor to furnish certified weight certificates of RS-1 emulsified asphalt applied as a basis of calculating the gallonage at 70° F. (Item 2 of the attached Schedule).

(c) Seal coat aggregate constructed in place shall be measured on a cubic yard-truck measure basis. (Item 3 (a) of the Schedule).

(d) Quantities stated herein are approximations, based on the approximate amounts of materials per square yard for seal coats as provided in the FP-41 Specifications. The Government reserves the right to increase or decrease these estimated quantities by not to exceed 25 per cent.

6. Extra Work. Treatment of another section of the highway beyond the northern extremity of the $9\frac{1}{2}$ -mile section specified above may be required, however, any additional mileage is dependent upon the amount of prepared aggregate in stock pile and the amount used on the $9\frac{1}{2}$ -mile section. Any additional mileage selected for treatment will not exceed a 5-mile stretch. This additional work will involve additional hauling and payment for any such additional work required will be computed by adding to the unit price of Item 3 (a) the hauling rate stated for Item 3 (b); unit prices of Items 1 and 2 to remain the same.

7. Commencement, Prosecution and Completion of Work. The contractor shall begin work within ten (10) calendar days after date of receipt of notice to proceed and shall complete all work required within thirty (30) calendar days from date of receipt of said notice. The contractor shall at all times during the continuance of the contract prosecute the work with such forces and equipment as, in the judgment of the Engineer, are sufficient to complete the work within the specified period of time. However, failure of the Engineer to require an increase in forces or equipment at any time will not relieve the contractor of his obligation to complete the work within the time specified in this contract. Award of this contract shall not be construed as a guaranty by the United States that the equipment listed in the statement of the contractor for use on this contract is adequate for the performance of the work within the time allowed.

8. Delays - Liquidated Damages. Time is of importance in this contract, and the contractor shall be charged with liquidated damages, as provided in Article 9 of Standard Form of Contract No. 23, for any delay not excusable in completing the contract. The rate of liquidated damages shall be \$100 per day for each calendar day of delay.

9. Local Conditions. Bidders shall satisfy themselves as to local conditions affecting the work and no information obtained from maps, plans, specifications, or drawings, or from the Engineer or his assistants will relieve the contractor from any risk or from fulfilling all of the terms of this contract.

10. Wage Rates. It is expected that the classes of laborers and mechanics shown in the attached Schedule will be employed directly upon the site of the work, and pursuant to the provisions of the Davis-Bacon Act, as amended, the Secretary of Labor has rendered a decision dated with respect to minimum wage rates to be paid under this contract. Copy of the said decision, designated as "Exhibit A", is attached hereto and made a part hereof.

11. Affidavit of Wages Paid.

(a) Each contractor and subcontractor engaged in the construction of these works shall furnish each week an affidavit with respect to the wages paid each employee during the preceding week. Form of affidavit is attached, designated as "Exhibit B".

(b) This affidavit shall be executed and sworn to by the officer or employee of the contractor who supervises the payment of its employees. The affidavit shall be delivered within three (3) days after the payment of the pay roll, to which it is attached, to the Government representative in charge at the site.

(c) At the time upon which the first affidavit, with respect to the wages paid to employees, is required to be filed by a contractor or subcontractor, there shall also be filed a statement under oath by the contractor or subcontractor setting forth the name of its officer or employee who supervises the payment of employees and that such officer or employee is in a position to have full knowledge of the facts set forth in the form of affidavit in respect to wages. A similar affidavit shall be immediately filed in the event of a change in the officer or employee who supervises payment of employees. In the event that the contractor or subcontractor is a partnership, such affidavit shall be executed by a member of the firm.

12. Anti-discrimination. The contractor in performing the work required by this contract, shall not discriminate against any worker because of race, creed, color, or national origin.

13. 48-hour Wartime Workweek. The contractor and any subcontractor engaged in the performance of this contract shall comply with all applicable determinations, rules, and regulations of the Chairman of the War Manpower Commission, now or hereinafter in effect pursuant to the authority of Executive Order 9301, relating to the establishment of a Minimum Wartime Workweek. Upon any breach or violation of this stipulation, the Government shall have the right to cancel the contract, to enter into other arrangements for its completion, and to charge the defaulting contractor with any excess costs occasioned the Government thereby.

14. Maximum Prices. It is understood that the contractor, by his act of affixing his signature to this contract, agrees to be bound by all Maximum Price Regulations issued or to be issued by the Office of Price Administration. The Government will not be liable for any charge for any article or service which is in excess of that established by the Office of Price Administration.

15. Patents. The contractor shall hold and save the Government, its officers, agents, servants, and employees, harmless from liability of any nature or kind, including costs and expenses, for or on account of any patented or unpatented invention, article, or appliance manufactured or used in the performance of this contract, including their use by the Government.

16. Representation. The contracting officer shall be represented on the job by the Engineer in charge of highway construction. On all questions concerning interpretation of the specifications, the execution of the work, and the determination of quantities for which payment will be made, the decision of the Engineer shall be final, except as provided herein.

17. Procurement Authority. This contract is authorized by Act of Congress, Public Law 139, 78th Congress, approved July 12, 1943.

18. Walsh-Healey Act. The attached Representations and Stipulations of the Walsh-Healey Act shall be incorporated in any contract awarded as a result of this invitation for bids should the provisions of the Act be applicable to the business of the contractor.

COLORADO RIVER WAR RELOCATION PROJECT
POSTON, ARIZONA

Specification
for
Store Building, Staff Housing Project

1-01 Proposed Work: The work proposed under this contract consists of the remodeling of a frame building located immediately north and east of the quarter section corner east of the Administration area, Camp I, Poston, Arizona. The Contractor will furnish all labor of every description needed for the alteration and remodeling of the building. The Contractor will be required to furnish all tools and equipment necessary to complete the building in a neat, workmanlike, and expeditious manner.

1-02 Scope of Work: The work consists of removing present construction as indicated on the accompanying plans and installation of new construction as illustrated on plans. All lumber to be removed shall be taken down carefully so that maximum amount of salvage may be realized. This Contractor will not be required to clean salvaged lumber of nails but will be required to stack this lumber.

1-03 Drawings: Detail plans and elevations in one sheet are made a part of these specifications.

1-04 Engineer: The word "engineer" as used in these specifications means the representative of the contracting officer on the job. The contracting officer will be further represented on the work by assistants and inspectors authorized to act for him. On all questions concerning the interpretation of the specifications, the execution of the work, and the determination of quantities for which payment will be made, the decision of the engineer will be final, except as hereinafter specified.

1-05 Contractor: The word "contractor", as used in these specifications, means the person, firm, or corporation with whom the contract is made. The contractor shall at all times be represented on the work in person or by a superintendent as his duly designated agent. Instructions and information given by the engineer to the contractor's superintendent or agent on the work shall be considered as having been given to the contractor. The contractor shall furnish to the Government reasonable facilities for securing all information desired regarding the cost of the work and progress thereof, and shall keep an itemized record of all expenditures, which will be available for inspection by the engineer. The contractor shall immediately comply with any instructions given him by the engineer as long as such instructions are in harmony with the spirit and intent of the specifications and the contract.

1-06 Right-of-Way: All right-of-way for the work to be constructed will be provided by the Government without cost to the contractor.

for such protests or objections as are made of record in the manner specified herein and within the time limit stated, the records, rulings, instructions and/or decisions of the engineer shall be final and conclusive.

1-12 Changes in Plans: The Government reserves the right to make such reasonable changes in the plans as in the opinion of the engineer may be considered necessary or desirable. Should any such changes in plans which might be made increase the cost of the work to the contractor or such additional cost will be handled as an extra item as provided for herein.

1-13 Materials and equipment to be furnished by the Government: The Government will furnish and deliver to the site, all materials required for the construction of the building and utilities as shown on the accompanying plans. Contractor shall carefully prepare a list of material he will require to complete his work; this shall include lumber for all purposes, siding, doors, windows, hardware, plasterboard, paint, roofing and other miscellaneous items.

1-14 Equipment to be Furnished by the Contractor: The contractor will be required to furnish all equipment to complete the building whether or not such equipment is specifically called for in the plans or specifications.

1-15 Watchman: Contractor will be required to erect and maintain adequate flood lights and to employ a sufficient number of watchmen to properly protect and safeguard all materials delivered to him by the Government.

Detail Requirements

New studs to be set into present stud walls wherever necessary to provide proper nailing for plasterboard. This applies also to ceiling joists.

Floor under proposed location of "Meat Box" to be reinforced. New flooring, consisting of 1" x 6" shiplap to be placed over present flooring.

Plasterboard to be installed with tight joints, with the work laid out to make as few joints as possible.

Shelving to be installed to carry stocks of canned goods and other goods and other goods of similar weight.

Exterior and interior woodwork to be primed and painted two coats of lead and oil paint. Interior plasterboard to be painted one coat of casein paint.

Roof to be covered with one layer of 1" insulation board and

roofing consisting of 55 $\frac{1}{2}$ " prepared roll roofing, nailed with 1 $\frac{3}{4}$ " roofing nails and edges cemented with lap cement.

One water outlet shall be placed convenient to "Meat Box" and two outlets shall be placed where directed for evaporative coolers.

Electric outlets shall be placed where indicated on plans and convenience outlets to be placed where directed for "Meat Box" and evaporative coolers.

SPECIFICATIONS FOR CONSTRUCTION OF ADMINISTRATION PERSONNEL QUARTERS
COLORADO RIVER WAR RELOCATION PROJECT
Poston, Arizona
General Construction of Buildings

Section I

Scope, Special Requirements, and General Conditions

1-01. Proposed Work: The work proposed under this contract consists of the construction of twenty, one-story, four-family frame apartment buildings to be constructed in accordance with these specifications and the accompanying plans. All buildings to be constructed in an area approximately 6500 feet square, located immediately east of the highway running north and south on the east boundary of Camp I, Colorado River War Relocation Project. The contractor will furnish all labor of every description needed for the construction of the buildings and the installation of outside utilities. The contractor will be required to furnish all tools and equipment necessary to complete the buildings in a neat, workmanlike, and expeditious manner in accordance with the best approved, present-day practice for construction work of this type.

1-02. Scope of Work: It is proposed to divide the work involved in construction of this Project into the following three groups, and to let a separate contract for each group.

- A. General Construction, which will include all construction except plumbing and electrical work and outside utilities.
- B. Water and sewer utilities as shown on plans, including their connection to present utilities and the installation of all plumbing within the buildings as shown on plans.
- C. Electric transmission lines as shown on plans, including their connection to present utility and the installation of all electrical work within the buildings as shown on plans.

While three separate contracts will be let, it will be required of the contractor for the general construction that he assume responsibility for the co-ordination of the work of the other two contractors and in general, assume the relationship of a general contractor, to all other contractors on the Project. Other contractors are to understand that they must co-operate with and carry on their work under the general direction of the contractor for the general construction.

The establishment of a camp as hereinafter described shall be the responsibility of the contractor for the general construction.

1-03. Procurement Authority: Work under this contract is performed under the act of Congress approved July 25, 1942, entitled the "First Supplemental National Defense Appropriation Act, 1943", Public 678, 77th Congress, Chapter 524, Second Session; symbol and appropriation title: "1435920--Working Fund, Interior, Indian (Emergency Management, War Relocation Authority, National Defense) 1943."

1-04. Contract Form: The contractor will be required to execute U. S. Standard Form of Contract No. 23 (Revised), the terms and conditions of which are made a part of these specifications.

1-05. Drawings: The drawings listed below numbered 1 to 6 inclusive are made part of these specifications. Where details are shown on the drawings, such details will govern with reference to specifications.

1. General Location Plot Plan
2. General Plan of Site
3. Plans and Details of Typical Four-Family Unit and Typical Laundry Building
4. Detail plan of Electric Wiring and Plumbing in Typical Housing and Laundry Units
5. Plan of Outside Water and Sewer Utilities
6. Plan of Electric Transmission Lines

1-06. Engineer: The word "engineer" as used in these specifications means the representative of the contracting officer on the job. The contracting officer will be further represented on the work by assistants and inspectors authorized to act for him. On all questions concerning the interpretation of the specifications, the execution of the work, and the determination of quantities for which payment will be made, the decision of the engineer will be final, except as hereinafter specified.

1-07 Contractor: The word "contractor", as used in these specifications, means the person, firm, or corporation with whom the contract is made. The contractor shall at all times be represented on the work in person or by a superintendent as his duly designated agent. Instructions and information given by the engineer to the contractor's superintendent or agent on the work shall be considered as having been given to the contractor. The contractor shall furnish to the Government reasonable facilities for securing all information desired regarding the cost of the work and progress thereof, and shall keep an itemized record of all expenditures, which will be available for inspection by the engineer. The contractor shall immediately comply with any instructions given him by the engineer as long as such instructions are in harmony with the spirit and intent of the specifications and the contract.

1-08 Right-of-Way: All right-of-way for the work to be constructed will be provided by the Government without cost to the contractor.

1-09 Staking Out of Work: The location of the work to be done will be staked out for the contractor, who shall without cost to the Government provide access to the work and give such assistance as may be required by the engineer. The engineer will locate not to exceed four corners of each building on batter boards to be constructed by the contractor, and, to include one elevation mark for each corner. Batter boards and survey stakes shall be preserved by the contractor, and in case of their destruction or removal by him or by his employees, except where such removal shall be necessary in the course of construction, they will be replaced by the engineer at the expense of the contractor.

1-10 Local Conditions: The bidders shall satisfy themselves as to local conditions affecting the work, and no information obtained from maps, plans, specifications or from drawings, the engineer, or his assistants will relieve the contractor from any risk or from fulfilling all of the terms of the contract.

1-11 Roads and Highways: The Government assumes no responsibility for the condition or maintenance of any road or highway or structure thereon that may be used by the contractor in performing or in traveling to and from the work. The contractor shall construct and maintain at his own expense all roads required for the transportation of equipment and supplies from existing highways to the site of the work during the period of construction.

1-12 Patents: The contractor shall hold and save the Government, its officers, agents, servants and employees, harmless from liability of any nature or kind, including costs and expenses, for or on account of any patented or unpatented invention, article, or appliance manufactured or used in the performance of this contract, including their use by the Government.

Where any patents or patents are to be excepted from the operation of this article, such exceptions will be specifically stated, by reference to the patent number, date of issue and name of patentee, in a proviso to be added to this article.

1-13 Camp and Camp Site: It will be necessary for the contractor to build a construction camp for this work. He shall make all necessary arrangements for the construction of his camp and its operations and shall conform with regulations of the Indian Service pertaining to the operation of camps, and shall make necessary rules and regulations and be responsible for their enforcement. The foregoing is necessary owing to the fact that the proposed work is located on an Indian reservation, and the contractor's camp will be located at the site of the work. The location, construction and maintenance of the contractor's establishment and the establishment

or establishments of all persons or parties in the vicinity operating or associated with the contractor shall be subject to the approval of the engineer.

The contractor shall have no authority to issue concessions or permits of any kind to third parties for operating any commercial, amusement or other establishments upon lands owned or controlled by the Government, but the Indian Service will, so far as it legally may, issue revocable permits to the contractor or such persons as the contractor may designate, for such of said purposes as the Government may deem necessary to facilitate the construction of the works provided for herein. The Government without the consent of the contractor will not issue any concessions or permits within the boundaries of the land assigned to the contractor for camp use.

1-14 Sanitation: The engineer may establish police rules and regulations for all forces employed under this contract, and if the contractor fails to enforce these rules, the engineer may enforce them at the expense of the contractor. Failure of the engineer to establish such rules, however, will not relieve the contractor from the responsibility of fulfilling any Federal, State, or County requirements.

Buildings of an approved type for the sanitary necessities of all persons employed on the work, beginning with the first men employed to build camps or for other preliminary operations, shall be constructed and maintained by the contractor in the number, manner and places ordered or approved. Satisfactory precautions shall be taken to render the interior of the toilets inaccessible to flies. The contractor shall rigorously prohibit and prevent the committing of nuisances upon the lands owned by the Government or adjacent private property.

All waste water from kitchens, laundries, sinks, water closets and similar places may be discharged into the sewer line, located south of the Machine Shop.

Garbage, both liquid and solid, shall be promptly and satisfactorily removed from the buildings, and immediately placed in approved tight receptacles of sufficient capacity for about one day's ordinary production. At least once in every twenty-four hours it shall be incinerated or otherwise thoroughly and satisfactorily disposed of in a manner approved by the engineer.

Contractor will be supplied with domestic water at the site of the work.

1-15 Data to be furnished by the Contractor: The contractor shall furnish the engineer with reasonable facilities for obtaining such information as he may desire regarding the progress of the work.

1-16 Cleaning Up: Upon the completion of the work the contractor shall remove from the vicinity of the work all plant, buildings, rubbish, and unused materials belonging to him or used under his direction during the construction, and in the event of his failure to do so, the same may be removed by the engineer at the expense of the contractor. Combustible material shall be burned and non-combustible material shall be disposed of at such places and in such manner as may be directed by the engineer. All materials having a salvage value shall be the property of the Government.

1-17 Construction Program: The contractors' construction program shall at all times be subject to the approval of the engineer. Capacity, construction, plant sequence, method of operation shall be such as to insure the completion of the work within the period of time specified. Provisions of this paragraph, however, will not relieve the contractor from any responsibility whatsoever in completing the contract within the time specified.

1-18 Commencement, Prosecution, and Completion of the Work: The contractor shall begin work within ten (10) calendar days after date of receipt of notice to proceed and shall complete all work within ninety (90) calendar days from the date of receipt of such notice to proceed. The contractor shall at all times during the continuance of the contract prosecute the work with such forces and equipment as in the judgment of the engineer are sufficient to complete the work within the specified period of time. However, failure of the engineer to require an increase in force or equipment at any time will not relieve the contractor from the obligation of completing the work within the time specified in this contract.

1-19 Liquidated Damages: The damages that may result from any delay in completion of the work within the time specified will be difficult, if not impossible, of ascertainment. If the work or any part thereof is not completed on or before the date fixed for its completion by the terms of this contract, the contractor shall pay to the Government as fixed and agreed and liquidated damages the sum of One Hundred Dollars (\$100.00) per day for each calendar day's delay until the work is satisfactorily completed, or until such time as the Government may reasonably procure the completion of the work by other contract, or complete the work by force account. Whatever sums may be due as liquidated damages for delay in completion of the work herein contemplated shall be deducted from payments due the contractor or may be collected from the contractor or the contractor's surety or sureties.

The contractor will not be allowed any extension of time for any reasonable amount of extra work which might be required as specified herein or for any minor changes in the plans which may be made during the construction work.

1-20 Employment: The contractor shall not induce any person employed in the prosecution or completion of this contract to give up any part of the compensation to which he is entitled under his

contract of employment, except amounts as required to be deducted by the Social Security and Unemployment Insurance laws, by force, intimidation, threat of incurring dismissal from such employment, or in any other manner whatsoever.

1-21 Anti-Discrimination: The contractor, in performing the work required by this contract, shall not discriminate against any worker because of race, creed, color, or national origin.

The contractor agrees that the provision of above paragraph will also be inserted in all of its subcontracts. For the purpose of this article, a subcontract is defined as any contract entered into by the contractor with any individual, partnership, association, corporation, estate, or trust, or other business enterprise or other legal entity, for a specific part of the work to be performed in connection with the supplies or services furnished under this contract; provided, however, that a contract for the furnishing of standard or commercial articles or raw material shall not be considered as a subcontract.

1-22 Wage Rates: It is expected that the classes of labor and mechanics shown in the following list will be employed directly upon the site of the work, and pursuant to the provisions of the Davis-Bacon Act, as amended (Act of August 30, 1935, 49 Stat. 1011 U.S.C. tit 40 Sec. 276 (a)), the Secretary of Labor has been requested to make a wage predetermination for these crafts. In accordance with the provisions of the said Davis-Bacon Act the wage rates so predetermined by the Secretary of Labor shall be the minimum rates per hour, the contractor will be required to pay laborers and mechanics employed at the site of the work. (See Article 17 of U.S. Standard Form of Contract No. 23)

Manhole Builder
Carpenter
Power Saw Operator (Woodwork, power machine, heavy duty)
Electrician
Electrician's Helper
Lineman
Laborer, General or Construction, Watchman, Flagman
Caulker and Mudder
Linoleum Layer
Painter--Brush
Pick-up Driver, 3/4 T. or less
Riding Helpers or Swampers (Cont. below)

1-23 In accordance with the provisions of the said Davis-Bacon Act, as amended, any class of laborers and mechanics not listed in the preceding paragraph, which will be employed in this contract, shall be classified or reclassified conformably to the foregoing schedule. In the event the interested parties cannot agree on the proper classification or reclassification of a particular class of laborers and mechanics to be used, the question accompanied by the recommendation of the engineer shall be referred to the Secretary of Labor for final determination.

1-22 The schedule of wage rates when received from the Secretary of Labor will be added to these specifications as an Addendum, and it will be included in any contract award hereunder.

1-24 Affidavit of Wages Paid; (a) Each contractor and subcontractor engaged in the construction of these works shall furnish each week an affidavit with respect to the wages paid each employee during the preceding week. Said affidavit shall be in the following form:

AFFIDAVIT BY PAYMASTER

State of _____)

ss.

County of _____)

I, _____ (name of _____ signing affidavit),
_____ (title), do hereby certify that I am the
employee of _____ (name of contractor or sub-
contractor) who supervises the payment of the employees of said con-
tractor (subcontractor); that the attached payroll is a true and
accurate report of the full weekly wages due and paid to each person
employed by the said contractor (subcontractor) for the construction
of Administration Personnel Quarters, for the weekly payroll period
from the _____ day of _____, 1943, to the _____ day of _____, 1943;
that no rebates or deductions from any wages due any such person as set
out on the attached payroll have been directly or indirectly made out
except the amounts as required to be deducted by the Social Security
and Unemployment Insurance laws; and that, to the best of my knowledge
and belief, there exists no agreement or understanding with any person
employed on the project, or any person whatsoever, pursuant to which
it is contemplated that I or anyone else shall, directly or indirectly
by force, intimidation, threat or otherwise, induce or receive any
deductions or rebates in any manner whatsoever from any sum paid or
to be paid to any person at any time for labor performed under the con-
tract for the above named project.

Sworn to before me this _____ Day of _____, 1943

(b) This affidavit shall be executed and sworn to by the officer or employee of the contractor who supervises the payment of its employees. The affidavit shall be delivered within three (3) days after the payment of the payroll, to which it is attached, to the Government representative in charge at the site, who will forward the same promptly to the Indian Office.

(c) At the time upon which the first affidavit, with respect to the wages paid to the employees, is required to be filed by the contractor or subcontractor, there shall also be filed a statement under oath by the contractor or subcontractor setting forth the name of its officer or employee who is in a position to have full knowledge of the facts set forth in the form of affidavit in respect to wages. A similar affidavit shall be immediately filed in the event of a change in the officer

or employee who supervises payment of employees. In the event that the contractor or subcontractor is a partnership, such affidavit shall be executed by a member of the firm.

1-24 Social Security: Deductions from the minimum rates of pay may be made as required by the laws of any State calling for contributions from employees from earnings to funds maintained in the administration of an unemployment compensation law approved by the Social Security Board under Titles III and IX of the Social Security Act (Act of August 14, 1935, Public No. 271, 74th Congress).

1-25 Reduction in Wage Rates: It is understood and agreed that the Government is to receive the benefit of any reduction in wage rates.

1-26 Compensation Insurance: The contractor shall provide adequate workmen's compensation insurance for all labor employed on the project who may come within the protection of such laws and shall provide, where practicable, employers' general liability insurance for the benefit of his employees not protected by such compensation laws, and proof of such insurance satisfactory to the engineer shall be given.

1-27 Payments: On the last day of every month during the period of construction contemplated in these specifications, the engineer will prepare an estimate of the amount of work done by the contractor during the month, and as soon as practicable after the first of the month, payment will be made to the contractor on the estimated amount of work done, less ten percent (10%) which amount is to be withheld until the final payment on this contract at the completion and acceptance of the work by the Government. No allowance will be made on the partial payments for the erection or maintenance of the construction camp. In the preparation of these estimates for partial payments, the equipment delivered on the site and preparatory work done will not be taken into consideration, the estimate being based entirely upon the amount of final construction work completed.

In the determination of the amount of completed work done on any one item of the schedule, the estimate of work completed will be based on the following tabulation:

Completion of the foundation, floor and rough framing (including roof)	35%
Completion of the roof and exterior finish	25%
Completion of building	40%
	<u>100%</u>

1-28 Successful bidders on this advertisement are hereby notified that the following certificates will have to be executed by them on the voucher or invoices upon which payments are made:

"I certify that the above bill is correct and just; that payment therefor has not been received; that all statutory requirements as to American production and labor standards, and all conditions of purchase applicable to the transactions have been complied with; and that state or local sales taxes are not included in the amounts billed."

"I certify that the United States received the benefit of reduction, if any, in the wage rate (s) in accordance with the stipulations under the contract."

1-29 Extras: The contractor shall, when ordered in writing by the engineer, perform extra work and furnish extra materials not covered by these specifications or included in the schedule, but forming an inseparable part of the work contracted for. Extra work and materials will ordinarily be paid for at a lump sum or unit price agreed upon by the contractor and the engineer and stated in the order for such extra work or materials. Whenever in the judgment of the engineer, it is impracticable because of the nature of the work, or for any other reason, to fix the price in the order, the extra work and the materials shall be paid for at actual cost as determined by the engineer, plus ten percent (10%) for superintendence, general expense and profit. The actual cost will include all expenditures for materials, labor (including compensation insurance) and supplies furnished by the contractor, and a reasonable allowance for the use of his plant and equipment, where required, to be agreed upon in writing before the work is begun, but in no case will include allowance for office expenses, general superintendence or any general expense other than that covered by the ten percent (10%) included in this paragraph.

1-30 Protests: If the contractor considers any work demanded of him to be outside of the requirements of the contract, or considers any record or ruling of the engineer or inspectors to be unjust, he shall immediately, upon such work being demanded or such record or ruling being made, ask for written instructions or decision, whereupon he shall proceed without delay to perform the work or conform to the record or ruling, and within ten (10) days after the date of receipt of written instructions or decision, he shall file a written protest with the engineer, stating clearly and in detail the basis of his objections. Except for such protests or objections as are made of record in the manner specified herein and within the time limit stated, the records, rulings, instructions and/or decisions of the engineer shall be final and conclusive.

1-31 Changes in Plans: The Government reserves the right to make such reasonable changes in the plans as in the opinion of the engineer may be considered necessary or desirable. Should any such changes in plans which might be made increase the cost of the work to the contractor such additional cost will be handled as an extra item as provided for herein.

1-32 Statement of Facts: The Government reserves the right to require any or all bidders to submit a Statement of Facts as to the bidders' qualifications to build and complete without delay the project covered in the advertisement and in strict accordance with the requirements

of the specifications. When this data is required, it shall include a detailed statement of the business and technical organization that the bidder has available for the contemplated work; the financial resources and experience and the material and equipment he proposes to use in the execution of the work; and the location of similar installations furnished by him under guarantees equally as rigid as those herein contained. No data shall be furnished until requested by the engineer.

1-33 Subcontractors: The contractor will be free to select subcontractors for the work, but in all cases, the subcontractors shall be capable of performing in a satisfactory manner all work included in that particular branch approved by the engineer. The work must be carried on systematically, and so managed at all times as to insure rapid progress and avoid annoyance and inconveniences. The contractor shall submit to the engineer for approval the name and address of each and every subcontractor and detailed description of the work covered by each subcontractor.

The contractor shall be held responsible for all acts of subcontractors employed by him and the approval by the engineer of any subcontractor will not relieve the contractor of such responsibility. The failure of any subcontractor to complete his branch of the work in a satisfactory manner within a proper time will not excuse the contractor for any delay in the completion of the entire contract. No subcontractor or other person furnishing labor or material to the contractor will be recognized nor will the Government be responsible in any way for the claims of such persons.

1-34 Materials and Equipment to be Furnished by the Government: The Government will furnish and deliver to the site, all materials required for the construction of the buildings and utilities as shown on the accompanying plans.

1-35 Equipment to be Furnished by the Contractor: The contractor will be required to furnish all equipment to complete the various buildings whether or not such equipment is specifically called for in the plans or specifications.

1-36 Preparation of Site: Prior to the time the construction work is started by the contractor, the site for the location of all buildings will have been leveled. The contractor will be required to do no grading of the site other than that required to level down the waste left from his excavations for foundations of the buildings.

1-37 Watchman: Contractor will be required to erect and maintain adequate flood lights and to employ a sufficient number of watchmen to properly protect and safeguard all materials delivered to him by the Government.

1-38 Bid Rejections: The right is reserved to the contracting officer to reject any and all bids, to waive any informality and minor technical defects in bids.

SECTION II

TECHNICAL AND DETAIL REQUIREMENTS

2-01 General: All lumber shall be framed in a workmanlike manner, to the dimensions shown on the drawings. All framing shall be closely fitted, accurately set to the required lines and rigidly secured in place. Unless approved by the engineer, no framing members shall be cut for the passage of pipes or for other similar purposes. All framing work on the buildings shall be done under the direction of capable foremen, experienced in building construction and the contractor shall have capable workmen to do all cutting and framing of wood members.

2-02 Sheathing for roofs shall be laid at right angle to rafters and for floors shall be laid diagonally. All shall be well nailed to every bearing. Subfloor to be covered with 15# felt before laying finish floor. Roof to be covered with insulation board 1" thick fitted up tightly and well nailed. Composition roll roofing to have laps cemented, to be nailed along all edges at not less than 12" centers. Rockwool insulation batts to be placed between roof joists, full to eaves. Care to be exercised that all spaces are filled so that a solid blanket extends over entire area of living unit. Dividing partition between apartments shall form a complete separation between living units; joists, plates, studs, and rafters shall be doubled, and shall not touch, roof sheathing alone may be continuous.

2-03 Masonite dado shall be shimmed out to finish flush with plasterboard. Walls and ceilings to be covered with plasterboard, recessed joints filled with perforated tape and cementing material. Intermediate nailing of plasterboard to be countersunk and depression filled with cementing material.

2-04 Finish floor to be carefully laid, blind nailed and no edges mashed in nailing. Linoleum shall be carefully laid and cut to preserve pattern.

2-05 All cabinet and millwork shall be carefully built and installed, all joints carefully made and all nails set.

2-06 Exterior plasterboard shall be well nailed to every bearing and closely fitted to all openings.

2-07 Interior plasterboard walls and ceilings shall have one coat Textolite paint. Interior woodwork shall be primed and painted two coats, floors shall be cleaned and varnished. Exterior walls shall be primed and painted two coats, colors as directed. Exterior woodwork to be primed and painted two coats, colors as directed.

2-08 Water and Sewer Utilities: All workmanship shall be of the best quality and all work shall be done under the direction of an experienced, competent foreman.

All cast iron, bell and spigot water pipe shall be carefully installed, joints well caulked. Fire hydrants shall be installed where indicated.

All details necessary for the complete installation of water and sewer systems shall be done in accordance with standard practice and shall be completely carried out whether or not specifically shown on the drawings or mentioned in these specifications.

2-09 Vitrified clay sewer tile shall have joints well cemented and to be laid so as to prevent non-draining pockets. Manholes to be carefully built, bottom to be of concrete with carefully constructed channels. Manhole covers to be of concrete.

2-10 The exact location of all outlets and fixtures in the buildings shall be as shown on the drawings or as directed by the engineer. The plumbing shall be performed concurrently with other work and all work to be covered or concealed, to be tested and accepted before being covered.

2-11 Vertical runs of cast iron pipe shall be firmly secured in position and stacks shall be properly supported at the bottom. Vertical stacks shall be extended full size and as directly as practicable to not less than 12" above roof and the stacks and flashing shall be in position before roofing is applied.

2-12 All water lines shall be run as indicated on drawings. All pipe shall be cut accurately to measurement so as to be placed without springing or forcing.

2-13 The entire systems of soil, waste and vent piping in each unit shall be tested with water or air and proved tight to the satisfaction of the engineer before sewer connections and waste or fixtures connected.

2-14 The water supply system in each unit shall be tested to a hydrostatic pressure of 100# per square inch and proved tight at that pressure.

2-15 Electrical Work: Outside transmission lines shall be installed by competent, trained workmen in strict accordance with the "National Electrical Code". Poles shall be set where indicated on plans, well guyed and stayed in place. Transformers shall be placed where shown, lightning arresters and cut-outs installed and all wiring and connections to present transmission line and to housing units carefully made.

2-16 Wiring within the building units will be done with non-metallic sheathed cable and with open wiring "mob and tube" work. All splices shall be soldered and covered with an insulation equal to that on the wires. Distribution panels, safety switches, toggle switches, fixture outlets, convenience outlets, and all other electrical appurtenances

shall be installed to meet the requirements of the "National Board of Fire Underwriters" and in accordance with the National Electrical Code. All fixtures shall be placed in position as indicated on plans.

2-17 Contractors bidding on the various branches of work will find attached hereto a quantity survey of the materials to be furnished to them by the Government. These lists are included so that the contractors may more readily estimate the amount of labor they will require to fabricate and construct their branch of the work.

SPECIFICATIONS

FOR

MAIN CANAL EMBANKMENT

COLORADO RIVER WAR RELOCATION PROJECT, POSTON, ARIZONA

1. Proposed Work:-The proposed work consists of moving approximately 50,000 cubic yards of earth in making a fill for both banks of the main irrigation canal between Station 380.00 and Station 421.00 now being excavated on the Colorado River War Relocation Project, (Colorado River Indian Reservation) Yuma County, Arizona. The quantity specified may vary 20% more or less.

In performing the work herein specified, the contractor will be required to furnish all labor, tools, materials, supplies and equipment necessary, including operating and maintenance materials and supplies for the equipment used by him, in hauling and depositing the fill material. This material will be obtained and transported from Government operated draglines excavating the main canal which will be dumped directly into the contractor's conveyances by the Government.

The contractor shall transport and deposit the material in the embankment, as directed by the Government engineer, or his representative, at the approximate rate of one hundred cubic yards per hour, on a 16-hour-day basis. The material hauled by the contractor shall be deposited so that, with a minimum of effort, it can be spread in layers not to exceed eight inches in thickness and rolled with a sheepsfoot roller. The spreading and rolling will be performed by the Government. Clearing and preparing the area on which the fill will be placed will be done by the Government. In no case shall any fill be made unless the site has been approved by the Government engineer.

Prices submitted shall be based on a cubic-yard-haul of six thousand feet, or more precisely, the unit shall be one cubic yard with a free haul of six thousand feet. Yardage to be paid for will be measured in the compacted fill. Compacting will be done by Government forces and equipment by sprinkling and rolling with sheepsfoot rollers. Measurement of the embankment will be made by Government engineers. Material deposited elsewhere than in the designated or approved places will not be paid for. All fill obstructions made by the contractor lying within the wetted area of the canal shall be removed by the contractor without cost to the Government.

The haul road used by the Contractor will be built and maintained by the Contractor, with no restrictions, however, to its use by the Government. Any damage to the Contractor's equipment used on the work, shall be held to be the responsibility of the Contractor and all and any claims against the Government for such damage shall be waived by the Contractor.

2. Equipment To Be Used On the Work:* The bidder shall submit with his bid, on the accompanying sheet entitled "Equipment To Be Used on the Work", a list of all equipment proposed to be used. This list shall state the size and make of equipment and the condition of each piece. If, in the opinion of the engineer, the equipment proposed for use is deemed inadequate to do the work within the time specified, the bid will be rejected.

3. Quantity:- The quantity of earth to be moved in making the fill is an approximation for comparison of bids only, and no claim shall be made against the Government for excess or deficiency therein, actual or relative. Payment at the unit price per cubic yard stated in the bid will be in full for completed work and will cover all labor, materials, supplies, tools, equipment, and all other expenditures incident to the satisfactory compliance with the terms of the specifications and contract.

4. Contract form and Provisions: The provisions of the U. S. Standard Form No. 23, Revised (Construction Contract) which the successful bidder will be required to execute, are made a part of these specifications. Copy of contract form is attached hereto.

5. Procurement Authority:-The work herein specified is authorized by the Act of July 25, 1942, Public 678, 77th Congress, (First Supplemental National Defense Appropriation).

6. Prosecution of Work: The work shall be carried on without undue delay until all work specified, or as may be ordered within the limits hereof, has been completed. If the contractor fails to diligently prosecute the work or causes delay to the normal operation of Government equipment used in the construction of the canal, the provisions of Article 9, "Delay-Damages", of U. S. Standard Form of Contract No. 23 shall become operative. The rate of liquidated damages referred to therein shall be \$2.00 per hour for each hour of delay.

7. Engineer:- The word "Engineer" as used in these specifications means the chief engineer for the project who represents the contracting officer. The Engineer will be represented on the work by assistants and inspectors authorized to act for him. On all questions concerning the interpretation of the specifications, the execution of the work, and the determination of the quantities for which payment will be made, the decision of the engineer shall be final except as hereinafter specified.

8. Contractor:- The word "contractor" as used in these specifications means the person, firm, or corporation with whom the contract is made. The contractor shall at all times be represented at the work either in person or by a superintendent as his duly authorized agent. Instructions or information given by the engineer to the contractors superintendent on the work shall be construed as having been given by the contractor.

The contractor shall immediately comply with any instructions given by the engineer as long as such instruction are in harmony with the spirit and intent of the specifications or the contract.

. Wage Rates:- Pursuant to the Provisions of the Davis-Bacon Act (Act of August 30, 1935, 49 Stat. 1011, U.S.C., ti, 40, Sec. 276a) the Secretary of Labor rendered a decision under date of February 4, 1943 with the respect to minimum wage rates for laborers and mechanics employed under a contract for leveling land on the project. It is expected that the classes of laborers and mechanics, or a portion thereof, shown in the schedule accompanying the said decision will be employed directly upon the site of the work herein specified. A copy of the decision is attached hereto and made a part of these specifications. No new information having been received by the Department of Labor which necessitates a new wage predetermination, the decision of the Secretary of Labor dated February 4, 1943 shall be deemed to continue in force for the work herein specified. In the event, however, of a modification, supplement or amendment to the said decision effecting this contract, the same shall be made a part of the awarded contract.

10. Employment:-The contractor shall not induce any person employed in the prosecution or completion of this contract to give up any part of the compensation to which he is entitled under his contract of employment by force, intimidation, threat of incurring dismissal from such employment, or in any other manner whatsoever, except the deductions allowed for meals and lodging as provided for in these specifications, and by any state or Federal law or requirement.

The contractor agrees to comply with the provisions of Executive Order No. 9301 dated February 9, 1943, establishing a minimum wartime workweek of 48-hours if and when said order is made applicable to this contract.

11. Interference with Contractors of Other Work:- The contractor shall not interfere with the workmen, materials, or equipment of the Government or of any other contractor who may have work at the site of the excavation or embankment. As far as is practicable, all contractors shall have equal rights to the use of all roads and grounds. In case of disagreement of such use, the decision of the engineer will govern. The Government will exercise all normal efforts to operate its equipment to supply the contractor with the quantities stipulated.

12. Partial Payments- Partial payments will be made, if requested, in accordance with Article 16 of U. S. Standard Form of Contract No. 23.

13. Voucher - Invoice Certificate:- The contractor will be required to execute the following certificate on the vouchers or invoices upon which payments are made:

"I certify that the above bill is correct and just; that payment therefor has not been received; that all statutory requirements as to American production and labor standards, and all conditions of purchase applicable to the transactions have been complied with; and that State or local sales taxes are not included in amounts billed."

The execution of the above certificate on sheets other than the original invoice or voucher will not be acceptable.

SPECIFICATIONS
FOR
SPECIAL OVERHAUL OF BORROW ON HIGHWAY CONSTRUCTION WORK

COLORADO RIVER WAR RELOCATION PROJECT
POSTON, ARIZONA

1. Proposed Work: The proposed work consists of authorized hauling of all Borrow material necessary for making certain highway fills and disposal of said material as herein specified. This work will be done in connection with highway construction projects now being carried on by the Colorado River War Relocation Project, Colorado River Indian Reservation, Yuma County, Arizona. Estimated pay item is 60,000 cubic yard miles subject to variation of 25% more or less.

All work will be done in accordance with Item 28 of FP-41 Specifications published by the Public Roads Administration with the following exceptions:

- (a) Free-haul distance 0 feet.
- (b) Contractor's unit price will include the cost of maintaining the roads used for transporting the material from the site of excavation to the point of embankment.

In performing the work herein specified, the contractor will be required to furnish all labor, tools, materials, supplies and equipment used by him in hauling and depositing the excavated material.

All material will be excavated and loaded into Contractor's equipment by Government operated equipment by nothing less than a $\frac{1}{2}$ yard shovel. The contractor will transport and deposit the material in the fills as directed by the Government engineer or his representative. The material hauled by the contractor shall be deposited so that, with a minimum of effort, it can be spread not to exceed eight inches in thickness. All spreading, rolling and compacting of filled material will be performed by the Government. Clearing and preparing of borrow pits and fill area will be done by the Government and in no case shall embankment be placed prior to the approval of the Government engineer.

Prices submitted shall be based on the cubic-yard-mile-haul basis. Yardage will be computed in accordance with Paragraph 4.1 of Item 28 of Specifications FP 41.

All haul roads used by the contractor will be built and/or maintained by said contractor with no restrictions, however, to use by the Government or general public. Any damage to the contractor's equipment used on the work, shall be held to be the responsibility of the contractor and all and any claims against the government for such damage shall be waived by the Contractor.

2. Equipment To Be Used On The Work: The bidder shall submit with his bid, on the accompanying sheet entitled "Equipment To Be Used On The Work", a list of all equipment proposed to be used. This list shall state the size and make of equipment and the condition of each piece. If, in the opinion of the engineer, the equipment proposed for use is deemed inadequate to do the work within the time specified, the bid will be rejected.

3. Quantity: The units of work is an approximation for comparison of bids only and no claim shall be made against the Government for excess or deficiency therein, actual or relative. Payment at the unit price as stated on the bid will be in full for completed work and will cover all labor, materials, supplies, tools, equipment and all other expenditures incident to the satisfactory compliance with the terms of the specifications and contract.

4. Contract form and Provisions: The provisions of the U. S. Standard Form No. 23, Revised (Construction Contract) which the successful bidder will be required to execute, are made a part of these specifications. Copy of contract form is attached hereto.

5. Procurement Authority: The work herein specified is authorized by the Act of July 25, 1942, Public 678, 77th Congress, (First Supplemental National Defense Appropriation).

6. Prosecution of Work: The work shall be carried on without undue delay until all work specified, or as may be ordered within the limits hereof, has been completed. If the contractor fails to diligently prosecute the work or causes delay to the normal operation of Government equipment used in connection with the proposed work, the provisions of Article 9, "Delay-Damages", of U. S. Standard Form of Contract No. 23 shall become operative. The rate of liquidated damages referred to therein shall be \$2.00 per hour for each hour of delay.

7. Engineer: The word "Engineer" as used in these specifications means the chief engineer for the project who represents the contracting officer. The Engineer will be represented on the work by assistants and inspectors authorized to act for him. On all questions concerning the interpretation of the specifications, the execution of the work, and the determination of the quantities for which payment will be made, the decision of the engineer shall be final except as hereinafter specified.

8. Contractor: The word "Contractor" as used in these specifications means the person, firm, or corporation with whom the contract is made. The contractor shall at all times be represented at the work either in person or by a superintendent as his duly authorized agent. Instructions or information given by the engineer to the contractor's superintendent on the work shall be construed as having been given to the contractor.

The contractor shall immediately comply with any instructions given by the engineer as long as such instructions are in harmony with the spirit and intent of the specifications or the contract.

9. Wage Rates: Pursuant to the Provisions of the Davis-Bacon Act (Act of August 30, 1935, 40 Stat. 1011, U.S.C., tit. 40, Sec. 276a) the Secretary of Labor rendered a decision under date of September 9, 1943 with respect to minimum wage rates for laborers and mechanics employed under a contract for leveling land on the project. It is expected that the classes of laborers and mechanics, or a portion thereof, shown in the schedule accompanying the said decision will be employed directly upon the site of the work herein specified. A copy of the decision is attached hereto and made a part of these specifications. No new information having been received by the Department of Labor which necessitates a new wage predetermination, the decision of the Secretary of Labor dated September 9, 1943 shall be deemed to continue in force for the work herein specified. In the event, however, of a modification, supplement or amendment to the said decision affecting this contract, the same shall be made a part of the awarded contract.

10. Employment: The contractor shall not induce any person employed in the prosecution or completion of this contract to give up any part of the compensation to which he is entitled under his contract of employment by force, intimidation, threat of incurring dismissal from such employment, or in any other manner whatsoever, except the deductions allowed for meals and lodging as provided for in these specifications, and by any state or Federal law or requirement.

The contractor agrees to comply with the provisions of Executive Order No. 9301 dated February 9, 1943, establishing a minimum wartime workweek of 48-hours if and when said order is made applicable to this contract.

11. Interference with Contractors of Other Work: The contractor shall not interfere with the workmen, materials, or equipment of the Government or of any other contractor who may have work at the site of the excavation or embankment. As far as is practicable, all contractors shall have equal rights to the use of all roads and grounds. In case of disagreement of such use, the decision of the engineer will govern. The Government will exercise all normal efforts to operate its equipment to supply the contractor with the quantities stipulated.

12. Partial Payments: Partial payments will be made, if requested, in accordance with Article 16 of U. S. Standard Form of Contract No. 23.

13. Voucher - Invoice Certificate: The contractor will be required to execute the following certificate on the vouchers or invoices upon which payments are made:

"I certify that the above bill is correct and just; that payment therefore has not been received; that all statutory requirements as to American production and labor standards, and all conditions of purchase applicable to the transactions have been complied with; and that State or local sales taxes are not included in amounts billed."

The execution of the above certificate on sheets other than the original invoice or voucher will not be acceptable.

14. Counter proposals or alterations other than herein specified will not be acceptable.

Specification for Flood Control Embankment
Colorado River War Relocation Project
Poston, Arizona

1. Proposed Work:- For the construction of a flood control levee the proposed work consists of moving approximately one million cubic yards of material, clearing approximately 200 acres, plowing approximately 200 acres and excavating approximately 200,000 cubic yards for cutoff trench. This levee is to be constructed approximately parallel to the river in Townships 6 N., 7 N., 8 N., and 9 N., and lying within the Colorado River Indian Reservation. This levee is to start in Section 11, Township 9 N., R. 21 W., and continue approximately thirty miles to Section 35, T. 6 N. : R. 21 W. the alignment as shown on the attached map.

In performance of the work herein specified, the contractor will be required to furnish all labor, tools, materials, supplies, and equipment necessary, including operating and maintenance materials, and supplies for the equipment used. No materials or equipment required for this work will be furnished by the Government. Clearing the vegetation from the site of the levee shall be done by the contractor and bid for at the unit price per acre cleared. In the construction of this levee, it shall be necessary to excavate a cutoff trench approximately 3 feet deep, the base width of 8 feet with side slopes of $1\frac{1}{2}:1$ or as directed by the engineer. This cutoff trench and embankment is to be filled with borrow material deposited in place by carryalls in layers not exceeding 6 inches. This borrow material is to be secured from the borrow pits between the levee and the river. The edge of these borrow pits nearest the levee shall be not less than 150 feet from the nearest toe of slope of the embankment. These pits may be of any width as measured perpendicular to the center line of the levee embankment. These pits may be of any width but shall not exceed 300 feet in measurement made parallel to the levee and shall be separated 200 feet apart. The area between the ends of these borrow pits shall remain undisturbed and the natural growth and vegetation shall be left in place. This area shall not be used as roads or haulage ways for material. These undisturbed areas shall consist of strips 200 feet wide and extending from the toe of slope of levee nearest the borrow pit and extending the full width of the pits. It is explicitly prohibited to use these strips for any purpose.

The surface on which this protective levee is constructed shall be cleared and grubbed of all growth and organic matter and the entire area shall be plowed to a depth not less than 8 inches. The materials taken from the borrow pits and placed in the embankment shall be free from all vegetation, roots and organic matter. Materials cleared by the contractor shall be disposed of by burning or removing so that no unsightly pile remain.

It is planned that the protective levee will be used as one bank of an irrigation lateral. At sections where the economic cuts require additional material and in order to insure adequate material for the construction of this lateral the section in the levee shall be constructed as shown on the attached map and titled "Section for Economic Cut".

2. Equipment to Be Used on the Work:- The bidder shall submit with his bid, on the accompanying sheet entitled "Equipment to Be Used on the Work", a list of all equipment proposed to be used. This list shall state the size

and make of equipment and the condition of each piece. If in the opinion of the engineer, the equipment proposed for use is deemed inadequate to do the work within the time specified, the bid will be rejected.

3. Quantity:- The quantity of earth to be moved in the levee construction as well as the items of the cutoff trench excavation, clearing and plowing are an approximation for comparison of bids and no claim shall be made against the Government for excess or deficiency therein, actually or relatively. Payment at the unit price per cubic yard stated in the bid will be in full for the completed work and will cover all work, labor, supplies, tools, equipment and other expenditures incident to the satisfactory compliances with the terms of the specification of the contracts. Payment of embankment shall be made at the unit price bid per cubic yard for quantities of yardage as measured in the embankment. The embankment shall be made full to grade as per sections shown on the included map or as shown by stakes set by the Government, a construction tolerance of 0.2 of a foot, the maximum that will be allowed. The payment for quantities will be made to neat lines with the cross sections being determined by Government Engineers. All the work shall conform to grade stakes set by Government Engineers. Any stakes lost shall be reset at the expense of the contractor.

Material removed from the cutoff trench must be deposited between cutoff trench and the toe of the slope of embankment. Material so placed will be deducted from the embankment quantities. All material placed in the embankment must be approved by Government Engineers. Excavation for cutoff trench will be paid for as yardage removed and determined from cross sections. Cleared and plowed areas shall be determined as the areas between toe of slopes of the embankment. The area of the cutoff trench will not be included in the measurements and payment of the plowed areas. Areas plowed shall show no unplowed strips.

4. Contract Form and Provisions:- The provisions of the U. S. Standard Form No. 23, Revised (Construction Contract) which the successful bidder will be required to execute, are made a part of these specifications. Copy by contract form is attached hereto.

5. Procurement Authority:- The work herein specified is authorized by the Act of July 25, 1942, Public 678, 77th Congress, First Supplemental National Defense Appropriation.

6. Commencement, Prosecution and Completion of Work:- The work proposed herein is the construction of an earth fill protective levee. This levee is to be built to protect agricultural lands from high waters of the Colorado River. It is therefore required that the contractor start the work within ten (10) calendar days after date of receipt of order to proceed, and shall complete all work within three hundred sixty-five (365) calendar days after date of receipt of said order to proceed. The contractor shall at all times during the continuance of the contract prosecute the work with such forces and equipment as are sufficient to complete the work within the specified time. If it appears at any time that the contractor does not have sufficient forces and equipment to complete the work within the time specified the engineer may require the contractor to increase the forces and equipment. However, failure of the engineer to require an increase in forces or equipment will not relieve the contractor of his obligation to complete the work within the specified time.

7. Liquidated Damages for Delay:- The amount of liquidated damages referred to in Article 9 of U. S. Standard Form of Contract No. 23 shall be \$25.00 per calendar day for each day of delay in completing the contract.

8. Engineer:- The word "Engineer" as used in these specifications means the Chief Engineer for the project who represents the contracting officer. The Engineer will be represented on the work by assistants and inspectors authorized to act for him. On all questions concerning the interpretation of the specifications, the execution of the work, and the determination of the quantities for which payment will be made, the decision of the engineer shall be final except as hereinafter specified.

9. Contractor:- The word "Contractor" as used in these specifications means the person, firm, or corporation with whom the contract is made. The contractor shall at all times be represented at the work either in person or by a superintendent as his duly authorized agent. Instructions or information given by the engineer to the contractor's superintendent on the work shall be construed as having been given to the contractor.

The contractor shall furnish the Government facilities for securing all information desired regarding the cost of the work, and the progress thereof, and shall keep an itemized record of all expenditures which will be available for inspection by the engineer.

The contractor shall immediately comply with any instructions given by the engineer as long as such instructions are in harmony with the spirit and intent of the specifications or the contract.

10. Wage Rates:- It is expected that the classes of labor and mechanics shown in the following list will be employed directly upon the site of work and pursuant to the provision of the Davis-Bacon Act, as amended (Act of August 30, 1935, 49 Stat. 1011 U. S. C. tit 40 Sec. 276 (a)), the Secretary of Labor has been requested to make a wage predetermination for for these crafts. In accordance with the provisions of the said Davis-Bacon Act the wage rates, so predetermined by the Secretary of Labor shall be the minimum rates per hour, the contractor will be required to pay laborers and mechanics employed at the site of the work. (See Article 17 of U. S. Standard Form of Contract No. 23.)

Laborers, unskilled
Mechanics (Heavy duty repairmen)
Power equipment operators:

Blade graders
Motor graders
Tractors, 50 h.p. and
and over with bulldozers,
carryalls, and/or simi-
lar attachments
Tractors, less than 50
h.p. with bulldozers
carryalls and/or simi-
lar attachments

Truck Drivers, over 1½ tons
m.r.c. and/or over 3 c.y.
but less than 7 c.y.

Truck Drivers, 1½ tons m.r.c.
and/or 3 c.y. or less

Truck Drivers, oil and water
tankers (2250 gals. or less)

Truck Drivers, oil and water
tankers (over 2250 gals.)
exclusive of truck or trail-
er or semi

Truck Drivers, on truck and
trailer or semi-trailer 9
tons payload or over.

Truck Servicement (repairmen)

The schedule of wage rates when received from the Secretary of Labor will be added to these specifications as an Addendum, and it will be included in any contract award hereunder.

11. Employment:- The contractor shall not induce any person employed in the prosecution or completion of this contract to give up any part of the compensation to which he is entitled under his contract of employment by force, intimidation, threat of incurring dismissal from such employment, or in any other manner whatsoever, except the deductions allowed for meals and lodging as provided for in these specifications, and by any state or Federal law or requirement.

12. Camp and Camp Site:- The contractor will not be required to establish a camp unless he so desires. However, if he does elect to construct one, he shall make all necessary arrangements for its construction, and its operation shall conform with the regulations of the Indian Service pertaining to the operations of camps. The foregoing is necessary owing to the fact that the proposed work is located on an Indian Reservation. The location, construction, and maintenance of the contractor's establishment, and the establishments of all persons or parties in the vicinity operating, or associated with the contractor, shall be subject to the approval of the engineer.

If the contractor does establish a camp, he shall provide healthful conditions in quartering and boarding the workers.

If non-reservation land should be used by the contractor for camp purposes, the contractor shall make all necessary arrangements with the owners and pay all rentals and other costs connected therewith.

If reservation lands are used, sufficient right-of-way will be provided without cost to the contractor to establish the camp at points to be designated by the contractor with the approval of the engineer.

The contractor shall have no authority to issue any concessions or permits of any kind to third parties for operating any commercial, amusement, or other establishments, upon lands owned or controlled by the Government. Neither will the Government without the consent of the contractor, issue any concessions or permits within the boundaries of the land assigned to the contractor for camp use.

The engineer may establish police rules and regulations for all forces employed under this contract. If the contractor fails to enforce these rules, the engineer may enforce them at the expense of the contractor. Failure of the engineer to establish such rules, however, will not relieve the contractor from the responsibility of fulfilling any Federal, state, or county requirement.

If a camp or camps are constructed by the contractor, buildings of an approved type for the sanitary necessities of all persons employed on the work shall be constructed and maintained by the contractor in the number, manner and places ordered or approved. The contractor shall rigorously prohibit and prevent the committing of nuisances upon the lands owned by the Government or any private property.

13. Priority:- It is not expected that a preference rating for this flood control project will be available to assist the contractor in securing materials, supplies or equipment.

14. Liability for Damages:- Damages to Government property, including, but not restricted to, existing irrigation and highway structures, and canals, due to the failure of the contractor to take reasonable precautions, shall be assumed by the contractor without expense to the United States. The contractor will also be held responsible for any damage done to property adjoining the work caused by his negligence or other fault. The contractor shall assume liability for all damage that may occur to persons, property, animals, or vehicles as the result of his failure to provide proper lighting or other protection.

15. Liability for Damages Resulting from Enemy operations:- It is expressly understood and agreed that the contractor shall not be liable for any damages to or destruction of the work, or any part thereof, covered by this contract resulting from enemy operations. In the event the work covered by this contract is damaged due to enemy operations, the contractor shall, if so ordered by the engineer, repair such damage under an order stipulating the additional sum to be added to the contract price and the additional time for performance. In the event the work covered by this contract is destroyed or damaged due to enemy operations, the Government determines not to replace or repair such work, or decides to do the repair work by Government or other forces, the contractor shall be paid all cost reasonably incurred in connection with the prosecution of the work.

16. Interference with Contractors of Other Work:- The contractor shall not interfere with the workmen, materials, or equipment of the Government or of any other contractor who may have work at the site of the excavation for the drains. As far as is practicable, all contractors shall have equal rights to the use of all roads and grounds. In case of disagreement of such use, the decision of the engineer will govern.

17. Patents:- The contractor shall hold and save the Government, its officers, agents, servants, and employees, harmless from liability of any nature of kind, including costs and expenses, for or on account of any patented or unpatented invention, article, or appliance manufactured or used in the performance of this contract, including their use by the Government. Where any patent or patents are to be excepted from the operation of this article, such exceptions will be specifically stated by reference to the patent number, date of issue, and name of patentee, in a proviso to be added to the article.

18. Payments:- Partial payments will be made as provided in Article 16 of U. S. Standard Form of Contract No. 23.

19. Voucher - Invoice Certificate:- The contractor will be required to execute the following certificate on the vouchers or invoices upon which payments are made:

"I certify that the above bill is correct and just; that payment therefore, has not been received; that all statutory requirements as to American production and labor standards, and all conditions of purchase applicable to the transactions have been complied with; and that State or local sales taxes are not included in amounts billed."

The execution of the above certificate on sheets other than the original invoice or voucher will not be acceptable.

SPECIFICATIONS
FOR
LAND LEVELING

Colorado River War Relocation Project
Poston, Arizona

1. Proposed Work:- The proposed work is to be done for the Colorado River War Relocation Project. It will consist of moving approximately 500,000 yards of earth in the leveling of some 1,000 acres, more or less, of desert land. It is located on the Colorado River Indian Reservation, Yuma County, Arizona, in sections 26, 27, 28, 33, and 34 of T. 8 N.; R. 21 W.; and sections 2, 3, 4, 10, and 11, of T. 7 N.; R. 21 W. all compared to G. & S. R. Base Line and Meridian.

The contractor shall determine to his own satisfaction what the climatic, topographic, living, and other local conditions are at the site of the work.

In the performance of the work herein specified the contractor will be required to furnish all labor, tools, materials, supplies and equipment necessary including operating and maintenance materials and supplies for the equipment used. No material or equipment required for the leveling work will be furnished by the Government. Clearing the vegetation from the land has been completed by Government forces, however, if additional clearing is required such work will be performed by the Government.

The land shall be leveled in forty-acre units to an even grade for irrigation of crops. Stakes for leveling will be set by Government forces at intervals of fifty feet in both directions. Stakes will be firmly set and will project at least one foot above the original ground surface. Cuts will be plainly marked on all stakes where cuts occur. Fills will be indicated by "blue tops" set at correct elevation. Any stakes lost shall be reset at the expense of the contractor. A tolerance of 0.2 ft. above or below grade will be allowed. However, payment will not be made for excavation made below grade, and payment for excavation will not be made for earth left above grade.

If advantageous to the Government, earth shall be hauled from adjoining forty-acre tracts. However, hauls of excavated materials will not exceed 1,320 feet.

In the leveling of the land, sufficient earth for making banks shall be placed on sites for irrigation laterals at one-quarter mile intervals. The locations of the laterals shall be staked by Government engineers and the quantity of earth to be placed will be indicated by stakes. It is not intended that the contractor complete the construction of the lateral banks, but it is intended that he place the necessary earth for the banks of the laterals in uniform strips along the sites of the laterals.

2. Equipment to be Used on the Work:- The bidder shall submit with his bid, on the accompanying sheet entitled "Equipment To Be Used on the Work", a list of all equipment proposed to be used. This list shall state the size and make of equipment and the condition of each piece. If, in the opinion of the engineer, the equipment proposed for use is deemed inadequate to do the work within the time specified, the bid will be rejected.

3. Quantity:- The quantity of earth to be moved in the leveling process is an approximation for comparison of bids only, and no claim shall be made against the Government for excess or deficiency therein, actual or relative. Payment at the unit price per cubic yard stated in the bid will be in full for completed work and will cover all labor, materials, supplies, tools, equipment, and all other expenditures incident to the satisfactory compliance with the terms of the specifications and contract.
4. Contract Form and Provisions:- The provisions of the U. S. Standard Form No. 23, Revised (Construction Contract) which the successful bidder will be required to execute, are made a part of these specifications. Copy of contract form is attached hereto.
5. Procurement Authority:- The work herein specified is authorized by the Act of July 25, 1942, Public 678, 77th Congress, (First Supplemental National Defense Appropriation). Continuation of contract beyond June 30, 1943 shall be dependent on appropriation of funds by Congress.
6. Commencement, Prosecution and Completion of Work:-The work proposed herein is the leveling of land for agricultural purposes. It is essential that the land be leveled and made ready for seeding before the growing season in this locality next spring. It is, therefore, required that the contractor start the work within ten (10) calendar days after date of receipt of order to proceed; and shall complete all work within one hundred and eighty (180) calendar days after date of receipt of said order to proceed. The contractor shall at all times during the continuance of the contract prosecute the work with such forces and equipment as are sufficient to complete the work within the specified time. If it appears at any time that the contractor does not have sufficient forces and equipment to complete the work within the time specified, the engineer may require the contractor to increase his forces and equipment, however, failure of the engineer to require an increase in forces or equipment will not relieve the contractor of his obligation to complete the work within the specified time. Contractors will include preliminary discing and floating, or equivalent, for determining quantities. This work shall be performed not less than two weeks prior to beginning leveling operations by the contractor.
7. Liquidated Damages for Delay:- The amount of liquidated damages referred to in Article 9 of U. S. Standard Form of Contract No. 23 shall be \$25.00 per calendar day for each day of delay in completing the contract.
8. Engineer:- The word "Engineer" as used in these specifications means the chief engineer for the project who represents the contracting officer. The Engineer will be represented on the work by assistants and inspectors authorized to act for him. On all questions concerning the interpretation of the specifications, the execution of the work, and the determination of the quantities for which payment will be made, the decision of the engineer shall be final except as hereinafter specified.
9. Contractor:- The word "contractor" as used in these specifications means the person, firm or corporation with whom the contract is made. The contractor shall at all times be represented at the work either in person or by a superintendent as his duly authorized agent. Instructions or information given by the engineer to the contractor's superintendent on the work shall be construed as having been given to the contractor. Said superintendent shall be authorized by the contractor to render an immediate and binding agreement.

The contractor shall furnish to the Government facilities for securing all information desired regarding the cost of the work, and the progress thereof, and shall keep an itemized record of all expenditures which will be available for inspection by the engineer.

The contractor shall immediately comply with any instructions given by the engineer as long as such instruction are in harmony with the spirit and intent of the specifications or the contract.

10. Wage Rates:- It is expected that the classes of labor and mechanics shown in the following list will be employed directly upon the site of work, and pursuant to the provisions of the Davis-Bacon Act, as amended (Act of August 30, 1935, 49 Stat. 1011 U. S. C. ti 40 Sec. 276 (a)), the Secretary of Labor has been requested to make a wage predetermination for these crafts. In accordance with the provisions of the said Davis-Bacon Act the wage rates so predetermined by the Secretary of Labor shall be the minimum rates per hour, the contractor will be required to pay laborers and mechanics employed at the site of the work. See Article 17 of U. S. Standard Form of Contract No. 24)

Laborers unskilled
Mechanics (heavy duty repair
 pairmen)

Power equipment operators:

Blade Graders

Motor Graders

Tractors, 50 h.p. and
over with bulldozers,
carryalls, and/or simi-
lar attachments

Tractors, less than 50
h.p. with bulldozers
carryalls, and/or simi-
lar attachments

Truck Drivers, over $1\frac{1}{2}$ tons
m.r.c. and/or over 3 c.y.
but less than 7 c.y.

Truck Drivers $1\frac{1}{2}$ tons m.r.c.
and/or 3 c.y. or less

Truck Drivers, oil and water
tankers (2250 gals. or less)

Truck Drivers, oil and water
tankers (over 2250 gals.)
exclusive of truck or trail-
er or semi

Truck Drivers, oil truck and
trailer or semi-trailer 9
tons payload or over

Truck Servicemen (repairmen)

The schedule of wage rates when received from the Secretary of Labor will be added to these specifications as an Addendum, and it will be included in any contract award hereunder.

11. Employment:- The contractor shall not induce any person employed in the prosecution or completion of this contract to give up any part of the compensation to which he is entitled under his contract of employment by force, intimidation, threat of incurrring dismissal from such employment, or in any other manner whatsoever, except the deductions allowed for meals and lodging as provided for in these specifications, and by any state or Federal law or requirement.

12. Camp and Camp Site:- The contractor will not be required to establish a camp unless he so desires. However, if he does elect to construct one, he shall make all necessary arrangements for its construction, and its operation shall conform with the regulations of the Indian Service pertaining to the operation of camps. The foregoing is necessary owing to the fact that the proposed work is located on an Indian Reservation. The

location, construction, and maintenance of the contractor's establishment, and the establishment or establishments of all persons or parties in the vicinity operating, or associated with the contractor, shall be subject to the approval of the engineer.

If the contractor does establish a camp, he shall provide healthful conditions in quartering and boarding the workers.

If non-reservation land should be used by the contractor for camp purposes, the contractor shall make all necessary arrangements with the owners and pay all rentals and other costs connected therewith.

If reservation lands are used, sufficient right-of-way will be provided without cost to the contractor to establish the camp at points to be designated by the contractor with the approval of the engineer.

The contractor shall have no authority to issue any concessions or permits of any kind to third parties for operating any commercial, amusement, or other establishments upon lands owned or controlled by the Government. Neither will the Government, without the consent of the contractor, issue any concessions or permits within the boundaries of the land assigned to the contractor for camp use.

The engineer may establish police rules and regulations for all forces employed under this contract. If the contractor fails to enforce these rules, the engineer may enforce them at the expense of the contractor. Failure of the engineer to establish such rules, however, will not relieve the contractor from the responsibility of fulfilling any Federal, state, or county requirements.

If a camp or camps are constructed by the contractor, buildings of an approved type for the sanitary necessities of all persons employed on the work shall be constructed and maintained by the contractor in the number, manner, and places ordered or approved. The contractor shall rigorously prohibit and prevent the committing of nuisances upon the lands owned by the Government or any private property.

13. Priority:- It is not expected that a preference rating for this land leveling project will be available to assist the contractor in securing materials, supplies or equipment.

14. Liability for Damages:- Damages to Government property, including, but not restricted to, existing irrigation and highway structures, and canals, due to the failure of the contractor to take reasonable precautions, shall be assumed by the contractor without expense to the United States. The contractor will also be held responsible for any damage done to property adjoining the work caused by his negligence or other fault. The contractor shall assume liability for all damage that may occur to persons, property, animals, or vehicles as the result of his failure to provide proper lighting or other protection.

15. Liability for Damages Resulting from Enemy Operations:- It is expressly understood and agreed that the contractor shall not be liable for any damages to or destruction of the work, or any part thereof, covered by this contract resulting from enemy operations. In the event the work covered

by this contract is damaged due to enemy operations, the contractor shall, if so ordered by the engineer, repair such damage under an order stipulating the additional sum to be added to the contract price and the additional time for performance. In the event the work covered by this contract is destroyed or damaged due to enemy operation, and the Government determines not to replace or repair such work, or decides to do the repair work by Government, or other forces, the contractor shall be paid all cost reasonably incurred in connection with the prosecution of the work.

16. Interference with Contractors of Other Work:- The contractor shall not interfere with the workmen, materials, or equipment of the Government or of any other contractor who may have work at the site of the excavation for the drains. As far as is practicable, all contractors shall have equal rights to the use of all roads and grounds. In case of disagreement of such use, the decision of the engineer will govern.

17. Anti-Discrimination:- (a) The Contractor, in performing the work required by this contract, shall not discriminate against any worker because of race, creed, color, or national origin.

(b) The Contractor agrees that the provision of paragraph (a) above will also be inserted in all of its subcontracts. For the purpose of this article, a subcontract is defined as any contract entered into by the contractor with any individual, partnership, association, corporation, estate, or trust, or other business enterprise or other legal entity, for a specific part of the work to be performed in connection with the supplies or services furnished under this contract; provided, however, that a contract for the furnishing of standard or commercial articles or raw material shall not be considered as a subcontract.

18. Patents:- The contractor shall hold and save the Government, its officers agents, servants, and employees, harmless from liability of any nature or nature or kind, including costs and expenses, for or on account of any patented or unpatented invention, article, or appliance manufactured or used in the performance of this contract, including their use by the Government. Where any patent or patents are to be excepted from the operation of this article, such exceptions will be specifically stated by reference to the patent numbers date of issue, and name of patentee, in a proviso to be added to the article.

19. Payments:- Partial payments will be made as provided in Article 16 of U. S. Standard Form of Contract No. 23.

20. Voucher - Invoice Certificate:- The Contractor will be required to execute the following certificate on the Vouchers or invoices upon which payments are made:

"I certify that the above bill is correct and just; that no payment therefor has not been received; that all statutory requirements as to American production and labor standards, and all conditions of purchase applicable to the transactions have been complied with; and that State or local sales taxes are not included in amounts billed."

The execution of the above certificate on sheets other than the original invoice or voucher will not be acceptable.

SPECIFICATIONS
FOR
LAND CLEARING
Colorado River War Relocation Project
Poston, Arizona

1. Proposed Work:- The proposed work consists of the removing of the desert growth of mesquite, catclaw, greasewood, arrow weed, willow, cottonwood, salt cedar, etc., for leveling for farming of 500 acres, more or less, in sections 26, 27, 28, 33, and 34 of Township 8 North, Range 21 West; and sections 2, 3, 4, 9, 10, and 11 of Township 7 North, Range 21 West, all in G & SR base line and Meridian. The Government reserves the right to increase or decrease acreage by twenty-five per cent.

The contractor shall determine to his own satisfaction what the climatic, topographic, living, and other local conditions are at the site of the work.

In the performing of the work herein specified, the contractor will be required to furnish all labor, tools, materials, supplies, and equipment necessary including operating and maintenance materials and supplies for the equipment used. No materials or equipment required for the clearing will be furnished by the Government with the exception of a ship-anchor chain of 1-1/4" stock belonging to the Government which may be used by the contractor if he so desires. The length of this chain is 205 feet. If used, the contractor will be required to keep the chain in repair and return it to the Government in as good condition when job is completed with the allowance for normal wear.

Clearing: All trees shall be uprooted. All brush and debris shall be piled and burned leaving the area free from roots, trees, brush, and growth whatsoever. All stumps shall be uprooted and burned or removed from the area. All roots in excess of 2-1/2" in diameter shall be removed and burned. Clearing will be completed in 40 acre units.

2. Equipment to be Used on the Work:- The bidder shall submit with his bid a list of equipment which he has available for use on the work.

This list shall state the make, size and condition of all equipment which he has available for use on the work. If, in the opinion of the engineer, the equipment listed is inadequate to perform the work in the time specified, the bid will be rejected.

3. Quantity:- The area of land to be cleared is an approximation for comparison of bids only, and no claim shall be made against the Government for excess or deficiency therein, actual or relative. Payment at the unit price per acre stated in the bid will be in full for completed work and will cover all labor materials, supplies, tools, equipment, and all other expenditures incident to the satisfactory compliance with the terms of the specifications and contract.

4. Contract Form and Provisions:- The provisions of the U. S. Standard Form No. 23, Revised (Construction Contract) which the successful bidder will be required to execute, are made a part of these specifications. Copy of contract form is attached hereto.

5. Procurement Authority:- The work herein specified is authorized by the National War Agencies Appropriation Act 1944, Public Law No. 139, 78th Congress, approved July 12, 1943.

6. Commencement, Prosecution and Completion of Work:- It is required that the contractor start work within ten calendar days after date of receipt of order to proceed and shall complete all work within fifty days after date of receipt of order to proceed. The contractor shall at all times during the continuance of the contract prosecute the work with such forces and equipment as are sufficient to complete the work within the specified time. If it appears at any time that the contractor does not have sufficient forces and equipment to complete the work within the time specified, the engineer may require the contractor to increase his forces and equipment; however, failure of the engineer to require an increase in forces or equipment will not relieve the contractor of his obligation to complete the work within the specified time.

7. Liquidated Damages for Delay:- The amount of liquidated damages referred to in Article 9 of U. S. Standard Form of Contract No. 23 shall be \$25.00 per calendar day for each day of delay in completing the contract.

8. Engineer:- The word "Engineer" as used in these specifications means the chief engineer for the project who represents the contracting officer. The Engineer will be represented on the work by assistants and inspectors authorized to act for him. On all questions concerning the interpretation of the specifications, the execution of the work, and the determination of the quantities for which payment will be made, the decision of the engineer shall be final except as hereinafter specified.

9. Contractor:- The word "contractor" as used in these specifications means the person, firm, or corporation with whom the contract is made. The contractor shall at all times be represented at the work either in person or by a superintendent as his duly authorized agent. Instructions or information given by the engineer to the contractor's superintendent on the work shall be construed as having been given to the contractor. Said superintendent shall be authorized by the contractor to render an immediate and binding agreement.

The contractor shall furnish to the Government facilities for securing all information desired regarding the cost of the work, and the progress thereof, and shall keep an itemized record of all expenditures which will be available for inspection by the engineer.

The contractor shall immediately comply with any instructions given by the engineer as long as such instruction are in harmony with the spirit and intent of the specifications of the contract.

10. Wage Rates:- It is expected that the classes of labor and mechanics shown in the following list will be employed directly upon the site of work, and pursuant to the provisions of the Davis-Bacon Act, as amended (Act of August 30, 1935, 49 Stat. 1011 U. S. C. ti 40 Sec. 276 (a)), the Secretary of Labor has been requested to make a wage predetermination for these crafts. In accordance with the provisions of the said Davis-Bacon Act the wage rates so predetermined by the Secretary of Labor shall be the minimum rates per hour, the contractor will be required to pay laborers and mechanics employed at the site of the work. See Article 17 of U. S. Standard Form of Contract No. 23)

Laborers unskilled
Mechanics (heavy duty
 repairmen)
Power equipment operators:
 Tractors, 50 h.p. and
 over with bulldozers,
 carryalls, and/or similar
 attachments

Tractors, less than
50 h.p. with bulldozers,
carryalls, and/or simi-
lar attachments
Truck Drivers, $1\frac{1}{2}$ tons
m.r.c. and/or 3 c.y. or
less

The schedule of wage rates when received from the secretary of Labor will be added to these specifications as an Addendum, and it will be included in any contract award hereunder.

11. Employment:- The contractor shall not induce any person employed in the prosecution or completion of this contract to give up any part of the compensation to which he is entitled under his contract of employment by force, intimidation, threat of incurring dismissal from such employment, or in any other manner whatsoever, except the deductions allowed for meals and lodging as provided for in these specifications, and by any state or Federal law or requirement.

12. Camp and Camp Site:- The contractor will not be required to establish a camp unless he so desires. However, if he does elect to construct one, he shall make all necessary arrangements for its construction, and its operation shall conform with the regulations of the Indian Service pertaining to the operation of camps. The foregoing is necessary owing to the fact that the proposed work is located on an Indian Reservation. The location, construction, and maintenance of the contractor's establishment and the establishment or establishments of all persons or parties in the vicinity operating, or associated with the contractor, shall be subject to the approval of the engineer.

If the contractor does establish a camp, he shall provide healthful conditions in quartering and boarding the workers.

If non-reservation land should be used by the contractor for camp purposes, the contractor shall make all necessary arrangements with the owners and pay all rentals and other costs connected therewith.

If reservation lands are used, sufficient right-of-way will be provided without cost to the contractor to establish the camp at points to be designated by the contractor with the approval of the engineer.

The contractor shall have no authority to issue any concessions or permits of any kind to third parties for operating any commercial, amusement, or other establishments upon lands owned or controlled by the Government. Neither will the Government, without the consent of the contractor, issue any concessions or permits within the boundaries of the land assigned to the contractor for camp use.

The engineer may establish police rules and regulations for all forces employed under this contract. If the contractor fails to enforce these rules, the engineer may enforce them at the expense of the contractor. Failure of the engineer to establish such rules, however, will not relieve the contractor from the responsibility of fulfilling any Federal, state, or county requirement.

If a camp or camps are constructed by the contractor, buildings of an approved type for the sanitary necessities of all persons employed on the work shall be constructed and maintained by the contractor in the number, manner, and places ordered or approved. The contractor shall rigorously prohibit and prevent the committing of nuisances upon the lands owned by the Government or any private property.

13. Priority:- It is not expected that a preference rating for this land clearing project will be available to assist the contractor in securing materials, supplies or equipment.

14. Liability for Damages:- Damages to Government property, including, but not restricted to, existing irrigation and highway structures, and canals, due to the failure of the contractor to take reasonable precautions, shall be assumed by the contractor without expense to the United States. The contractor will also be held responsible for any damage done to property adjoining the work caused by his negligence or other fault. The contractor shall assume liability for all damage that may occur to persons, property, animals, or vehicles as the result of his failure to provide proper lighting or other protection.

15. Liability for Damages Resulting from Enemy Operations:- It is expressly understood and agreed that the contractor shall not be liable for any damages to or destruction of the work, or any part thereof, covered by this contract resulting from enemy operations. In the event the work covered by this contract is damaged due to enemy operations, the contractor shall, if so ordered by the engineer, repair such damage under an order stipulating the additional sum to be added to the contract price and the additional time for performance. In the event the work covered by this contract is destroyed or damaged due to enemy operation, and the Government determines not to replace or repair such work, or decides to do the repair work by Government, or other forces, the contractor shall be paid all cost reasonably incurred in connection with the prosecution of the work.

16. Interference with Contractors of Other Work:- The contractor shall not interfere with the workmen, materials, or equipment of the Government or of any other contractor who may have work at the site of the clearing of land. As far as is practicable, all contractors shall have equal rights to the use of all roads and grounds. In case of disagreement of such use, the decision of the engineer will govern.

17. Anti-Discrimination:- (a) The contractor, in performing the work required by this contract, shall not discriminate against any worker because of race, creed, color, or national origin.

(b) The contractor agrees that the provision of paragraph (a), above will also be inserted in all of its subcontracts. For the purpose of this article, a subcontract is defined as any contract entered into by the contractor with any individual, partnership, association, corporation, estate, or trust, or other business enterprise or other legal entity, for a specific part of the work to be performed in connection with the supplies or services furnished under this contract; provided, however, that a contract for the furnishing of standard or commercial articles or raw material shall not be considered as a subcontract.

18. Patents: The contractor shall hold and save the Government, its officers, agents, servants, and employees, harmless from liability of any nature or kind, including costs and expenses, for or on account of any patented or unpatented invention, article, or appliance manufactured or used in the performance of this contract, including their use by the Government. Where any patent or patents are to be excepted from the operation of this article, such exceptions will be specifically stated by reference to the patent numbers, date of issue, and name of patentee, in a proviso to be added to the article.

19. Payments:- Partial payments will be made as provided in Article 16 of U. S. Standard Form of Contract No. 23.

20. Voucher - Invoice Certificate:- The contractor will be required to execute the following certificate on the Vouchers or invoices upon which payments are made:

"I certify that the above bill is correct and just; that payment therefor has not been received; that all statutory requirements as to American production and labor standards, and all conditions of purchase applicable to the transactions have been complied with; and that State or local sales taxes are not included in amounts billed."

The execution of the above certificate on sheets other than the original invoice or voucher will not be acceptable.

TIMBER STRUCTURE SPECIFICATIONS

SPECIFICATIONS FOR DOUGLAS FIR PILING CREOSOTE PRESSURE TREATED

MATERIALS:

- A. Piling - General. Piling shall be pressure treated Douglas fir or Southern pine. The following specifications shall be considered supplementary to Federal Specification TT-W-571a for Wood-preservative: preservative treatment. The species of piling stock and type of treatment shall be indicated on the supplementary drawings of each bridge.
- B. Douglas Fir Piling - Piling Stock.
- (1) Timber. All piling stock shall be Pacific Coast Douglas fir.
- (2) Quality. Piling shall be cut from live and firm growth trees. It shall be sound and close-grained. It shall be free from decay, worm or insect damage, twists, spalls, large knots, loose knots, clusters of small knots, ring shakes or other imperfections which materially impair its strength and serviceability for timber pipe trestles in fresh water. (A large knot is defined as one over three inches in diameter or exceeding one-fourth of the diameter of the pile at the point where it occurs.) Piling shall be cut above the ground swell and shall taper uniformly from butt to tip. All piling shall be thoroughly peeled, all knots shall be smoothly dressed close to the body of the pile and the butts and tips shall be cut square before treatment.
- (3) Dimensions and Tolerances. Piling tips shall not be less than 8" measured on the shortest diameter. Piling butts shall not be less than 12" measured on the shortest diameter nor more than 18" measured on the longest diameter. The tolerance for length of piling shall be plus or minus one foot on any one piece, but the total length of pieces delivered shall not be less than the total footage ordered. Piles shall be free from short or reverse bends and shall be so straight that a line drawn from the center of the butt to the center of the tip will not fall outside the pile. Piles with spiral grain exceeding one-quarter turn in twenty-five feet shall be rejected. Not more than 10% of the piling in the order shall be of the maximum sweep or spiral grain together as defined above.
- (4) Seasoning. Piling shall be seasoned in air or by boiling under vacuum until it will readily receive the specified amount of preservative. Deep seasoning checks that impair the strength or serviceability of any pile will be cause for

(4) Seasoning. Cont'd.

rejection. If the boiling-under-vacuum seasoning process is used, the temperature shall at no time exceed 220 degrees F. Preservative for the boiling-under-vacuum process shall be the same as specified under "Preservative Treatment".

C. Preservative Treatment.

(1) Preservative. Preservative shall consist of equal parts by volume of creosote and petroleum oil. The creosote shall be Grade 1 per Federal Specifications TT-W-556. The petroleum oil shall be strictly a petroleum product of asphalt base and shall comply with the following stipulations:

- (a. The flash point shall be not less than 220 degrees F. (Cleveland Open Cup.)
 - b. The percentage of water and sediment shall not exceed one per cent.
 - c. The viscosity (Saybolt-Universal) shall be between 60 and 180 seconds at 180 degrees F. and shall not be more than 1300 seconds at 100 degrees F.
 - d. The oil shall be entirely suitable for mixing with creosote and shall be of such character that when mixed with an equal volume of creosote as above set forth, the resulting mixture shall be free from sludge. This mixture at 180 degrees F. shall have a viscosity (Saybolt Universal) not to exceed 70 seconds.
- (2) Treatment. All piling shall be treated by the empty cell process with not less than 10 pounds of preservative per cubic foot of piling according to Federal Specification TT-W-571a for Douglas Fir piling for land or fresh water use except as herein modified. During the seasoning by boiling-under-vacuum, the heating or the treating process, a temperature of between 210 and 220 degrees F. shall be maintained for a period of approximately two hours to insure the destruction of all fungi. The radial penetration by preservative shall be not less than 3/4" and shall be checked by test borings.

D. Inspection.

- (1) Inspection shall cover tally, green stock and preservative treatment.
- (2) Inspection shall be performed by the West Coast Lumbermen's Association, 364 Stuart Building, Seattle, Washington. The Purchaser shall send them a copy of the Purchase Order and of this Specification to verify the information submitted to them by the successful bidder.

- (3) After inspection and tally, the Association shall send to the Project Director making the purchase (1) their official certificate, (2) and a copy for the file of the Project Highway Engineer.
- (4) The cost of this inspection shall be included in the bid and purchase price of the piling.

SUPPLEMENTAL CONDITIONS

(The following conditions supplement the Conditions appearing on the reverse side of U. S. Standard Form No. 33)

1. Covenant Against Contingent Fees. The contractor warrants that he has not employed any persons to solicit or secure his contract upon any agreement for a commission, percentage, brokerage, or contingent fee. Breach of this warranty shall give the Government the right to annul the contract, or, in its discretion, to deduct from the contract price or consideration, the amount of such commission, percentage, brokerage, or contingent fees. This warranty shall not apply to commissions, payable by contractors upon contracts or sales secured or made through bona fide established commercial or selling agencies maintained by the contractor for the purpose of securing business.

2. Anti-discrimination. (a) The contractor, in performing the work required by this contract, shall not discriminate against any workers because of race, creed, color, or national origin.

(b) The contractor agrees that the provision of paragraph (a) above will also be inserted in all of its subcontracts. For the purpose of this article a subcontract is defined as any contract entered into by the contractor with any individual, partnership, association, corporation, estate, or trust, or other business enterprise or other legal entity, for a specific part of the work to be performed in connection with the supplies or services furnished under this contract; provided, however, that a contract for the furnishing of standard or commercial articles or raw material shall not be considered as a subcontract.

3. Maximum Prices. It is understood that the contractor, by his act of affixing his signature to this contract, agrees to be bound by all Maximum Price Regulations issued or to be issued by the Office of Price Administration. The Government will not be liable for any charge for any article or service which is in excess of that established by the Office of Price Administration.

4. 48-Hour Wartime Workweek. The contractor or any subcontractor engaged in the performance of this contract shall comply with all applicable determinations, rules, and regulations of the Chairman of the War Manpower Commission now or hereinafter in effect pursuant to the authority of Executive Order 9301 relating to the establishment of a Minimum Wartime Workweek. Upon any breach or violation of this stipulation, the Government (or any agency contracting for the Government) shall have the right to cancel the contract, to enter into other arrangements for its completion, and to charge the defaulting contractor with any excess costs occasioned the Government thereby.

5. Patents. The contractor shall hold and save the Government, its officers, agents, servants, and employees, harmless from liability of any nature or kind, including costs and expenses, for or on account of any patented or unpatented invention, article, or appliance manufactured or used in the performance of this contract, including their use by the Government. Where any patent or patents are to be excepted from the operation of this article, such exceptions will be specifically stated by reference to the patent number, date of issue, and name of patentee, in a proviso to be added to the article.

(4359-A)

6. Prison Labor. In the performance of this contract no persons shall be employed who are undergoing sentences of imprisonment at hard labor, which have been imposed upon them by courts of the several States, Territories, or Municipalities having criminal jurisdiction.

7. Increase or Decrease. Unless otherwise specified, any variation in the quantities herein called for, not exceeding 10 per cent, will be accepted as a compliance with the contract, when caused by conditions or loading, shipping, packing, or allowances in manufacturing processes, and payments shall be adjusted accordingly.

8. Responsibility for Supplies Tendered. The contractor shall be responsible for the articles or materials covered by this contract until they are delivered at the designated point, but the contractor shall bear all risk on rejected articles or materials after notice of rejection. Where final inspection is at point of origin but delivery by contractor is at some other point, the contractor's responsibility shall continue until delivery is accomplished.

9. Definitions. (a) The term "head of department" as used herein shall mean the head or any assistant head of the executive department or independent establishment involved, and the term "his duly authorized representative" shall mean any person authorized to act for him other than the contracting officer.

(b) The term "contracting officer" as used herein all include his duly appointed successor or his authorized representative.

10. Disputes. Except as otherwise specifically provided in this contract all disputes concerning questions of fact arising under this contract, shall be decided by the contracting office, subject to written appeal by the contractor within 30 days to the head of the department concerned or his duly authorized representative, whose decision shall be final and conclusive upon the parties hereto. In the meantime the contractor shall diligently proceed with performance.

11. Voucher-Invoice Certificate. The contractor will be required to execute the following certificate on the vouchers or invoices upon which payments are made.

"I certify that the above bill is correct and just; that payment therefor has not been received; that all statutory requirements as to American production and labor standards, and all conditions applicable to the transactions have been complied with; and that State or local sales taxes are not included in amounts billed."

The execution of the above certificate on sheets other than the original invoice or voucher will not be acceptable.

12. The Walsh-Healey Act. The attached Representations and Stipulations pursuant to the Walsh-Healey Act (An Act of June 30, 1936; 49 Stat. 2036; 41 U. S. C. 35-45 shall be made a part of this contract if it is for an amount in excess of \$10,000.00.

Assignments. As provided in the Assignment of Claims Act of 1940, (Public No. 811, 76th Congress) this contract, providing payments thereunder aggregate \$1,000.00 or more, may be assigned in accordance with the following provisions of the said Act:

(a) Claims for monies due or to become due the contractor from the Government under this contract may be assigned to a bank, trust company, or other financing institution, including any Federal lending agency. Any such assignment shall cover all amounts payable under this contract and not already paid, and shall not be made to more than one party, except that any such assignment may be made to one party as agent or trustee for two or more parties participating in such financing.

(b) In the event of any such assignment, the assignee shall file four signed copies of a written notice of the assignment, together with one copy of the instrument of assignment, with each of the following:

- (i) General Accounting Office
- (ii) the Contracting Officer
- (iii) the surety or sureties upon the bond or bonds, if any, in connection with this contract;
- (iv) the officer designated in this contract to make payments thereunder.

(c) Any claim under this contract which has been assigned pursuant to the foregoing provisions of this Article may be further assigned and re-assigned to a bank, trust company or other financing institution, including any Federal lending agency. In the event of such further assignment or re-assignment the assignee shall file one signed copy of a written notice of the further assignment or re-assignment with the contractor; and shall file four signed copies of such written notice and one copy of such instrument with each of the parties designated in the preceding paragraph.

(d) No assignee shall divulge any information concerning the contract except to those persons concerned with the transaction.

(e) Payment to an assignee of any claim under this contract shall not be subject to reduction or set-off for any indebtedness of the assignor to the United States arising independently of this contract.

(f) Indication of the assignment of claim and of any further assignment thereof and the name of the assignee will be made on all vouchers or invoices certified by the contractor.

8

STANDARDS AND DETAILS - CONSTRUCTION OF JAPANESE EVACUEE RECEPTION CENTER

(As agreed upon 6-8-42 by Lieutenant General John L. DeWitt and Colonel L. R. Groves from the Office of the Chief of Engineers)

1. For the purpose of providing uniformity of construction and in order to obviate the necessity of miscellaneous correspondence in connection with construction of Reception Centers in Relocation Areas, it is requested that the following standards and details be observed in all future construction and to the extent possible in current construction of Japanese Evacuee Reception Centers.

2. In general facilities to be provided by the U.S.E.D. will include the following:

- a. Shelter for evacuees arranged in rectangular block units each containing mess, recreation or vocational building, baths, latrines, and laundry.
- b. Hospital facilities based on minimum 150 beds for 10,000 population and 250 beds for 20,000.
- c. Warehouse facilities based on one (1) 20' x 100' refrigerated storehouse and twenty (20) 20' x 100' storage warehouse or equivalent in floor space per 5,000 population.
- d. Administrative facilities, including store and post office buildings, and one shop building.
- e. Quarters for administrative personnel including messing facilities.
- f. Shelter and facilities for MP units.
- g. Utilities to include:
 - (1) Adequate water for culinary, sanitary and fire protection purposes.
 - (2) Water-borne sewage disposal conforming to minimum health requirements.
 - (3) Electric Power and Light.
 - (4) Necessary access and service roads

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h. Adequate fire protection.

3. Layouts should be made conforming to recommendations supplied by the Civil Affairs Division of the Western Defense Command and Fourth Army. Schools, churches, theaters, stores and shop facilities will be constructed by the operating agency, but space and basic utilities must be provided for these items in layouts made by the engineers.

4. The typical block should be designed to house not to exceed 300 persons. General standards to be as follows:

- a. Barracks to be T/O type construction modified to include partitions for family groups, asphaltic roofing weighing more than 45 lbs. per square, interior lining where warranted by climatic conditions, concrete floors, and electrical service to include one drop outlet in each apartment, with circuit capacity to permit future installation of one convenience outlet in each apartment.
- b. Bath and Toilet Facilities will generally conform to mobilization type requirements and will provide bath and toilet fixtures on the following basis per 300 persons, or per block.

(1) MEN

Showers - 12
Bath Tubs - 0
Lavatories - 12
Toilets - 10
Urinals - 4
Slop Sink - 1

WOMEN

Showers - 8
Bath Tubs - 4
Lavatories - 14
Toilets - 14
Urinals - 0
Slop Sink - 1

Showers will be individually controlled for women, but with central thermostatic installation for men, and control valve for maximum hot water temperature will be provided.

Individual control valves for showers will be placed low enough so as to permit operation by a person of 5' - 0" height. Foot baths will be installed in the entrance to each shower room. Showers and toilets will be spaced sufficiently far apart and for women provided with separate partitions to allow reasonable degree of privacy.

- c. Laundries will contain 6 tubs with hot and cold water and six ironing boards per 100 persons. Standard benches in the laundry and tables in the ironing room should also be provided.

Convenience outlets for ironing, laundry tubs and ironing boards should be installed lower than usual due to small stature of users.

- d. Kitchen and Mess Hall to be of modified T/O construction, with concrete floor, if practicable, otherwise double wood floor.

Refrigerator of suitable capacity will be installed.

Ranges should be provided on the basis of 1 standard No. 5 Army Range or suitable substitute per 100 persons served. Certain No. 5 Army and other ranges will be supplied upon request to Headquarters Western Defense Command and Fourth Army, from evacuated Assembly Centers or from available Army stocks. When fuel other than coal and wood is to be used, the construction engineer will supply necessary type of range and advise this Headquarters so that the shipment of No. 5 ranges will not be made. When oil is to be used as fuel, suitable conversion units may be provided for the No. 5 ranges by the Engineer. Ranges will be installed with insulation to protect floors and adjacent walls, also with ventilated hood. Hot water facilities will include storage tanks of not less than 160 gallons capacity and booster heaters in addition to water jackets in ranges. Dishwashing facilities will be arranged so as to have scullery directly connected with mess hall and will include not less than two 3-compartment or one two and one three-compartment sinks with necessary drainboards and counters. Standard sit down, wooden mess tables will be provided, tables to be covered with pressed wood or plywood and varnished.

- e. Recreation Building to be modified T/O type construction with concrete or wood floor. Ten convenience outlets will be installed along walls to permit use of sewing machines, etc.

5. Hospital Facilities

Hospital to be modified mobilization type construction. Instructions for layout and equipment will be provided by the Civil Affairs Division, Western Defense Command and Fourth Army.

6. Warehouses

- a. Warehouse to be improved T/O type construction with heavy roofing and concrete floor. Refrigerated storehouse to designed according to local conditions.
- b. Railroad siding should be provided in connection with warehouse area when possible, but no spurs for b' will be constructed. Some toilet facilities p'

flush type and drinking water should be provided in warehouse area if such facilities are not immediately adjacent.

7. Administrative Facilities should include the following:

- a. On the basis of 10,000 population two (2) 40' x 120' buildings, one (1) 20' x 100' warehouse, garages for emergency vehicles, one shop building approximately 40' x 100', and buildings to house post office, store and fire station. Construction to be of T/O type. Suitable electric outlets and necessary plumbing to be provided in administrative buildings, post office and fire station.

8. Quarters for Administrative personnel

On the basis of 10,000 evacuees provide modified T/O type, four dormitories, for minimum 40 persons, divided into 8' x 12' cubicles and equipped with bath and toilet facilities. Wiring should include one drop and one convenience outlet in each cubicle. One central mess and one recreation building to be provided for a capacity of about 100 persons.

9. Shelter and Facilities for MP Personnel to be provided for a strength of a minimum of one company of four (4) officers and 128 enlisted men. Actual strength will be indicated in specific directives. Officers quarters should provide individual cubicles for sleeping quarters with bath and toilet facilities in the same manner as for administrative personnel quarters. One 20' x 100' building will be provided for each of the following: Administrative Headquarters and Unit Supply, Guard House, Recreation Room and Post Exchange, and one 20' x 30' equipped with hot water and sanitary facilities to be used as a dispensary. Garage or shed (depending on climate) to house emergency vehicles of the Unit.

10. Utilities

- a. Water supply should be designed on the basis of 100 gallons per capita per day with sufficient pressure to give adequate fire protection, and should have necessary standby supply facilities.
- b. Sewage Disposal/ Sewer capacity should be based on approximately 75 gallons per capita per day. Complete sewage treatment should be provided where indicated by local conditions.
- c. Electric Power & Lighting. Installations should be designed on the basis of 2000 KVA per 10,000 population, so as to handle a reasonably ample load for all needs and with sufficient capacity of individual building circuits to prevent constant blowing of fuses. In lieu of street lighting, one (1) light at each end of all main buildings (one for warehouses) should be provided.

11. Fire Protection, Generally to be the same as provided for mobilization type Army Camps. Barrels and buckets to be provided on the basis of one set for every four (4) buildings. Fire hydrants should be located throughout area. Two (2) trucks equipped with pumping equipment, hose and ladders to be stationed in each Center (on the basis of 10,000 evacuees.)

12. Access and Service roads should be properly graded and drained and provided with a simple type of surfacing material, preferably bituminous. A reasonable amount of surfacing material will be left at the Center by the Engineer to be used for maintenance.

13. General

- a. Space heating in suitable form depending on climate and fuel most easily and economically obtained, to be provided in accordance with zone requirements established by the Chief of Engineers.
- b. Standard mobilization type plumbing fixtures to be provided in hospital, administration and MP installation.
- c. Electrical installation to provide for special requirements for equipment in hospital and warehouses as well as refrigeration, should be installed in accordance with good building practice and should have a central cut-out switch for blackout needs if the center is located within an air frontier zone. Separate circuits to be provided for central storage refrigerator and hospital installations to permit operation during blackout.
- d. Adequate refrigeration consistent with local climatic conditions to be provided in all kitchens. Meat Blocks will be provided, one for each kitchen.
- e. Suitable shelving will be constructed in kitchen store rooms and M.P. supply room, post exchange and barracks.
- f. All buildings will be screened unless local climatic conditions dictate otherwise and in any case hospitals, messes and latrines will be screened.
- g. Materials for interior lining of barracks, and screening for windows may, when not installed during normal course of construction, be left at the Center by the Engineer for installation by Camp Manager with Japanese labor.

14. Special Items

- a. Watch towers of a height commensurate with terrain conditions and equipped with searchlights as required shall be constructed around outside of Camp in locations and numbers requested by local M.P. Commander or Center Managers, but not more than eight to each Center without approval by this Headquarters.
- b. Standard stock fence will be built around the occupied area, excluding M.P. area. Materials may be left for construction with Japanese labor. Military Police area should be located to provide easy access to main highway serving the Center without having to pass through evacuee area.
- c. A 90' flag pole to be erected in suitable location of the M.P. area.
- d. One (1) T/O type barrack-building equipped with benches and tables and a receiving counter to be constructed near entrance to Center to be used for visiting purposes. Adequate parking space for visitors also to be provided.
- e. When required, suitable coal bins will be provided for each kitchen and in such other locations as may be indicated. Materials to be provided by the Engineer, and left with Camp Manager for construction with Japanese labor. Screened garbage racks will be provided in connection with each kitchen, to be constructed in same manner as coal bins.

15. The Engineer will submit to Civil Affairs Division, W.D.C., and Fourth Army for approval the following:

- a. Site plan.
- b. Hospital plans.
- c. Kitchen and mess layout (floor plan).
- d. Bath, toilet and laundry building floor plans.

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FILED AUG 7 1943

Colorado River Project - Power System

Advance Estimate, F.Y. 1945

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INCOMING PREPAID

CHICAGO, ILLINOIS
AUGUST 4, 1943

R H RUPKE

WIRE TOTAL POWER COLLECTIONS ON HAND JUNE 30, 1943, FISCAL YEAR 1944 AND
AMOUNT THIS FUND SHOULD BE APPROPRIATED FOR FISCAL YEAR 1945 FOR PURCHASE
OF POWER AND MAINTENANCE AND OPERATION OF POWER SYSTEM. AIR MAIL JUSTIFICATION
THIS ITEM

THOMAS C GUYN
DIRECTOR OF LITIGATION

HEAD-BURER
GELVIN
MAYE
SHEPARD

INDIAN (ENGINEERING)

1445920

POSTON, ARIZONA
AUGUST 5, 1945

MR. THOMAS C. GUIN
ACTING DIRECTOR OF IRRIGATION
MERCHANDISE MARK BUILDING
CHICAGO, ILLINOIS

REURTEL TOTAL POWER COLLECTIONS ON HAND JUNE 30, 1945, ARE \$45,055.00.
ESTIMATED COLLECTIONS FOR 1946, TO BE \$41,000.00 APPROPRIATION FOR FISCAL
YEAR 1946 FOR POWER AND OPERATION AND MAINTENANCE OF POWER SYSTEM,
\$41,400.00. JUSTIFICATION FOLLOWS.

GOVERNMENT PREPAID
STRAIGHT VINS
RNP:RT

E. H. RUPIET
CHIEF ENGINEER

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Colorado River War Relocation Project
Poston, Arizona

August 7, 1943

Commissioner of Indian Affairs
24-2 Merchandise Mart Bldg.
Chicago, Illinois

Sir:

There is submitted herewith, in triplicate, the advance estimate for funds for the operation of the Power System of the Colorado River Project. A statement of collections has been included in the estimate. This is in compliance with office telegram of August 5th.

Respectfully,

W. Wade Head
Project Director

Encl. 3

COLORADO RIVER PROJECT - POWER SYSTEM

Improvement and Maintenance, Irrigation System, Colorado River Reservation,
Arizona, (Receipt Limitation) Power Revenues.

For the operation and maintenance of the Power System of the Colorado River
Indian Irrigation Project.

Estimated F.Y. 1945. . . . \$41,400

Appropriation title:
(8 pt. ital. c. & l. c. flush)

Improvement and Maintenance, Irrigation Systems,
Colorado River Reservation, Arizona
(Receipt Imitation) Power Revenues

Type size:
6 point,
22 picas

Binding margin

PERSONAL SERVICES	Obligations					
	Estimate, 1944 ⁴⁵		Estimate, 1943 ⁴⁴		Actual, 1942 ⁴³	
	No.	Pos. Av. Sal.	No.	Pos. Av. Sal.	No.	Pos. Av. Sal.
<u>Clerical, Administrative and Fiscal</u>						
Grade 8 Chief Electrician	1	2,900	-	-	-	-
Grade 5 Foreman, Electrician	5	2,200	-	-	-	-
Total permanent field		1,594,000	-	-	-	-
Deduct delays in filling new positions		-				
Not permanent field		4,000				
Temporary employees, field		1,240				
All personal services, field		5,240				
Deduct subsistence and quarters furnished		-				
Not personal services		5,240				
Add: Overtime - regular		830				
Overtime - irregular		500				
01 - Personal Services.		\$6,400				
<u>Other Obligations</u>						
03 - Transportation of thin gs		200				
03 - Rents & Utilities		30,000				
03 - Materials & Supplies		2,000				
03 - Equipment		2,000				
Total, other obligations		\$35,000				
TOTAL ESTIMATE		\$42,400				

(Mono cast: 22.4)

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COLORADO RIVER PROJECT - POWER SYSTEM

ESTIMATE OF COLLECTIONS

Collection on hand July 1, 1942- - - - -	\$9,174.86
Receipts, Fiscal Year 1943- - - - -	35,943.95
Total available, Fiscal Year 1943- - - - -	45,118.91
Expenditures, Fiscal Year 1943- - - - -	---
Balance on hand, July 1, 1943- - - - -	45,118.91
Receipts, Fiscal Year 1944- - - - -	41,800.00
Total available, Fiscal Year 1944- - - - -	86,918.91
Expenditures, Fiscal Year 1944- - - - -	---
Balance on hand, July 1, 1944- - - - -	86,918.91
Receipts, Fiscal Year 1945- - - - -	41,800.00
Total available, Fiscal Year 1945- - - - -	128,718.91
Expenditures, Fiscal Year 1945- - - - -	41,400.00
Balance on hand, July 1, 1945- - - - -	87,318.91

COLORADO RIVER INDIAN IRRIGATION PROJECT

General Statement

The Power System of the Colorado River Indian Irrigation Project was first placed in operation in 1941. From that time until today it has been under construction and has operated under the Reimbursable Construction Appropriations for this Project. The operations have now reached a point where it is calculated that the collections will be sufficient to maintain and operate the system.

The Power System of this Project consists of a substation located at the Metropolitan Water District Switch Yard at the Parker Dam Power House, which is to furnish 2,500 KVA of electrical energy. Power is taken from the Parker Dam Power House and the Boulder Dam Supply. It is transmitted from the Parker Dam substation to the Parker substation over a transmission line 16 miles in length, of woodpole construction. Energy transmitted is three phase, 34,000 volts.

This transmission line has been extended 15 miles down the valley to the substation supplying the War Relocation Project. Along these lines are approximately 12 to 14 contracting consumers requiring service to small ranches, stock farms and two California villages of Cross Roads, and Harp.

The line also supplies the town of Parker, Arizona, operates the controls of the Headgate Rock Diversion Dam, the Colorado River Indian Agency and the Colorado River War Relocation Project.

COLORADO RIVER PROJECT - POWER SYSTEM

PROGRAM OF WORK

It is contemplated that during the fiscal year 1943, that no work of any consequence will be undertaken. The Power System will be operated and maintained at minimum requirements.

COLORADO RIVER INDIAN IRRIGATION PROJECT

Justification

The operation of the Colorado River Power System is essential to the well being of this entire countryside. Power is furnished for the town of Parker, Arizona, for the villages of Gary and Cross Roads, California. The principal ranches and stock farms of the valley are supplied by this system as well as being the sole supply for the War Relocation Center located about 16 miles down the valley from the town of Parker.

In most of the service connections, including the Relocation Center of Poston, electrical energy is the source of power for the operation of the other utility services such as Domestic Water and Sewage. Due to the intense summer heat a voluminous number of electrical coolers and air conditioners are operated with electric power.

COLORADO RIVER PROJECT

POWER SYS. TEL

Advance Estimate, F.Y. 1945

- | | | | | |
|------|----------------------|---|-------|--|
| I. | Compiled by: (sgd) | R. H. Parnell
Associate Engineer | (sgd) | T. D. Culbertson
Proprietary Accountant |
| II. | Checked by: (sgd) | A. W. Empe
Chief Administrative
Officer | (sgd) | A. E. Barbour
Assistant Engineer |
| III/ | Accountable Officer: | (sgd) W. Wade Head
Project Director | | |

POSTON SCHOOL BUILDING PROJECT

December 24, 1942

I. Priority Ratings Granted, December 15, 1942

The Division of Industry Operations of the War Production Board has granted high priorities to the Colorado River War Relocation Project for the purchase of building materials to be used in the construction of school buildings. This is the gist of an important communication from Washington, D.C. received on Monday, December 21, by Mr. Wade Head, Project Director. (Priority ratings: AA2-x for lumber and AA-x for other materials.)

II. The People Encouraged to Help

Mr. Popkin, Superintendent of Building, Construction, has expressed the opinion that: If a sufficient number of workers can be secured now, the construction of our school buildings will move forward rapidly.

Workers may apply at the Employment Office.

Dr. Cary, Director of Education, has expressed the belief that the completion and use of these new school buildings is probably the most important thing that could happen in Poston today. That the children would show much more interest in their school work if they were working in these new buildings. Furthermore, that these buildings would be exceedingly useful to the adults on all sorts of occasions. They will be warm in the winter and cool in the summer. They will be pleasing in appearance. The completion of the new schools in Poston I will release recreation halls for adult and community activities. We need the help of the mothers and fathers of our children in the construction of our new schools.

III. Four School Units Planned

Plans for Poston Schools include an elementary and secondary school for Poston I, and consolidated schools for Poston II and III. The four schools will include some 64 buildings distributed as follows:

	Poston I		Poston II	Poston III	Total
	Elem- School	Secondary School			
Classroom Bldgs.	8	9	8	8	33
Library	1	1	1	1	4
Administration & Health	1	1	1	1	4
Commercial	-	2	1	1	4
Home Economics	-	1	1	1	3
Science	-	2	1	1	4
General Science & Art	-	1	-	-	1
Auditorium or Assembly	1	1	1	1	4

(1377)

Shop	1	1	2	2	6
Crafts	<u>1</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>1</u>
TOTALS	13	19	16	16	64

IV. Teachers' Quarters

Plans include teachers' quarters for each of the three Poston Centers, as follows:

- POSTON I:
- 1 Dormitory containing kitchen, mess hall, and 24 double bedrooms
 - 2 Dormitories containing 8 double bedrooms
 - 8 Cottages
- POSTON II:
- 1 Dormitory containing kitchen, mess hall, and 24 double bedrooms
 - 2 Cottages
- POSTON III:
- 1 Dormitory containing kitchen, mess hall, and 6 double bedrooms
 - 1 Dormitory containing 8 double bedrooms
 - 5 Cottages

V. Cost of Materials

The Materials used in the school buildings and teachers' quarters will cost approximately \$340,000.00.

VI. Where Do We Go From Here?

The purchase of necessary materials, such as lumber, hardware, electrical equipment, cement, roofing, etc., is being made at once.

It is estimated that 700,000 adobe blocks will be needed to complete our buildings. It is estimated that 175,000 adobe blocks are now ready in Poston I and II combined. The adobe plant at Poston III is to be established in the near future.

Workers needed immediately for construction of school buildings, (in addition to present crews):

Types of workers	Poston I	Poston II	Poston III
Concrete foundation workers	25	25	25
Adobe plant workers	65	40	15 women
			100 men
Adobe block layers	40	40	later
Carpenters for construction of concrete forms	--	15	20
TOTALS	<u>130</u>	<u>120</u>	<u>160</u>

Note: This statement was prepared by Dr. Miles E. Cary, Director of Education, for the Education Committee of Poston I, Community Council

			NAME OF BIDDER		
Land Leveling PER CUBIC YARD	PER CUBIC YARD	PER CUBIC YARD	Frontier Construc. 1. Whittier, Calif.		\$.40
			W. E. Callahan Con. 2. Los Angeles, Calif.		\$.26
			L. M. White Con. 3. Tucson, Arizona		\$.33
			Lewis Construction 4. Los Angeles, Calif.		\$.238
			A. Teichert and 5. John C. Gist Sacramento, Calif.		\$.272
			Leach Brothers 6. Pasco, Wash.		
			Bressi and Bevanda 7. Los Angeles, Calif.		
			A. Vinnell Co. 8. Alhambra, Calif.		
			Morrison-Knudsen 9. Los Angeles, Calif.		
			Winston Bros. Co. 10. Los Angeles, Calif.		
			J. F. Shea Co. 11. Los Angeles, Calif.		
			Clarence Crow and 12. Philbert & Son Los Angeles, Calif.		
Levee Construction PER CUBIC YARD	PER CUBIC YARD	PER CUBIC YARD	Frontier Construc. 1. Whittier, Calif.		\$.309
			W. E. Callahan Con. 2. Los Angeles, Calif.		\$.32
			L. M. White Con. 3. Tucson, Arizona		\$.24
			Lewis Construction 4. Los Angeles, Calif.		\$.24
			A. Teichert and 5. John C. Gist Sacramento, Calif.		\$.36
			Leach Brothers 6. Pasco, Wash.		\$.29
			Bressi and Bevanda 7. Los Angeles, Calif.		\$.18
			A. Vinnell Co. 8. Alhambra, Calif.		\$.247
			Morrison-Knudsen 9. Los Angeles, Calif.		\$.29
			Winston Bros. Co. 10. Los Angeles, Calif.		\$.22
			J. F. Shea Co. 11. Los Angeles, Calif.		\$.231
			Clarence Crow and 12. Philbert & Son Los Angeles, Calif.		\$.30
Cut-off Trench Exc. PER CUBIC YARD	PER CUBIC YARD	PER CUBIC YARD	Frontier Construc. 1. Whittier, Calif.		\$.10
			W. E. Callahan Con. 2. Los Angeles, Calif.		\$.22
			L. M. White Con. 3. Tucson, Arizona		\$.24
			Lewis Construction 4. Los Angeles, Calif.		\$.15
			A. Teichert and 5. John C. Gist Sacramento, Calif.		\$.22
			Leach Brothers 6. Pasco, Wash.		\$.25
			Bressi and Bevanda 7. Los Angeles, Calif.		\$.10
			A. Vinnell Co. 8. Alhambra, Calif.		\$.167
			Morrison-Knudsen 9. Los Angeles, Calif.		\$.25
			Winston Bros. Co. 10. Los Angeles, Calif.		\$.22
			J. F. Shea Co. 11. Los Angeles, Calif.		\$.21
			Clarence Crow and 12. Philbert & Son Los Angeles, Calif.		\$.30
Clearing Right of Way PER ACRE	PER ACRE	PER ACRE	Frontier Construc. 1. Whittier, Calif.		\$250.00
			W. E. Callahan Con. 2. Los Angeles, Calif.		\$100.00
			L. M. White Con. 3. Tucson, Arizona		\$27.00
			Lewis Construction 4. Los Angeles, Calif.		\$60.00
			A. Teichert and 5. John C. Gist Sacramento, Calif.		\$125.00
			Leach Brothers 6. Pasco, Wash.		\$75.00
			Bressi and Bevanda 7. Los Angeles, Calif.		\$40.00
			A. Vinnell Co. 8. Alhambra, Calif.		\$26.00
			Morrison-Knudsen 9. Los Angeles, Calif.		\$75.00
			Winston Bros. Co. 10. Los Angeles, Calif.		\$57.50
			J. F. Shea Co. 11. Los Angeles, Calif.		\$178.00
			Clarence Crow and 12. Philbert & Son Los Angeles, Calif.		\$35.00
Plowing PER ACRE	PER ACRE	PER ACRE	Frontier Construc. 1. Whittier, Calif.		\$6.00
			W. E. Callahan Con. 2. Los Angeles, Calif.		\$5.00
			L. M. White Con. 3. Tucson, Arizona		\$6.00
			Lewis Construction 4. Los Angeles, Calif.		\$10.00
			A. Teichert and 5. John C. Gist Sacramento, Calif.		\$4.50
			Leach Brothers 6. Pasco, Wash.		\$10.00
			Bressi and Bevanda 7. Los Angeles, Calif.		\$10.00
			A. Vinnell Co. 8. Alhambra, Calif.		\$3.00
			Morrison-Knudsen 9. Los Angeles, Calif.		\$19.00
			Winston Bros. Co. 10. Los Angeles, Calif.		\$5.00
			J. F. Shea Co. 11. Los Angeles, Calif.		\$15.00
			Clarence Crow and 12. Philbert & Son Los Angeles, Calif.		\$5.00

002.2
procurement
PROJECT

5710
Colorado River War Relocation Project
Poston, Arizona

September 23, 1943

Southwest Builder & Contractor
168 Hill Street
Los Angeles, California

Gentlemen:

Attached is a copy of the abstract of bids received at the Colorado River War Relocation Project, Poston, Arizona. Invitation No. CR-44-66 for Land Leveling, opening date September 16, and Invitation No. CR-44-67 for Flood Control Embankment, opening date September 20, respectively.

Very truly yours,

R. H. Schoenhut
Assistant Procurement Officer

Mr. Head
10

Colorado River War Relocation Project
Poston, Arizona
May 27, 1942

Mr. Ellis G. Georgia
Area Engineer
U. S. Engineers
Poston, Arizona

Dear Sir:

With reference to recent verbal request by H. W. Smith, acting Fiscal Officer, for certain installations in the administration buildings, Colorado River War Relocation Project, and in confirmation of the verbal request made by Mr. Smith, and in accordance with the agreement the details of required shelving, cabinets, partitions etc., as listed below, are submitted herewith.

1. Detail of counter and counter height partition in telephone switch board room in the North Administration Building.
 2. Additional room partitions in the Southeast corner of the North Administration Building.
 3. Detail of shelving in the storage room in the North and South Administration Buildings.
 4. Detail of the cashier's cage with counters and shelving in the adjoining supply closet in the South Administration Building. Same shelving to be built in the supply closet adjoining vault in North Administration Building.
- Exp.*

5. Detail of supply room cabinet to be installed in the Southeast corner of the Southeast Administration Building (Known as a warehouse building) and detail of a mimeograph room in the Northwest corner of the Southeast Administration Building with cabinets for mimeograph machine supplies.

In addition to the above installations, it is desired to confirm the request of Mr. Smith for the construction of walk ways between the several administration buildings and the Post Office Building; that the Southeast Administration Building, originally built for a warehouse, be ceiled, both the walls and overhead, with sheetrock, or other suitable material, and that additional electric outlets be installed along each wall to facilitate the operation of office machines; and that screens be placed on the windows of the administration buildings and the post office building. In regard to the installation of the screens on the windows, please be advised that the windows are now in process of being washed and will be in readiness for the installation of the screens Monday, June 1.

It is desired at this time to also renew the request for placing double roofs on the three administration buildings heretofore mentioned. It is felt that due to the excessive heat in this locality and the extremely low roof and ceiling of these buildings that it will be quite difficult to adequately cool the buildings with the equipment which can now be purchased for that purpose and it is, therefore, considered essential that additional roofs be placed on these buildings.

Thanking you for your splendid cooperation in assisting us in establishing suitable headquarters at this camp and assuring you of our appreciation of your usual promptness in connection with the above referred to installations,

Sincerely yours,

HWS:MSN

W. Wade Head
Project Director

COPY

COLORADO RIVER
WAR RELOCATION PROJECT

JUN 17 1942

600.4 (CAD)

PARKER, ARIZONA June 12, 1942

SUBJECT: Additional Construction -- Japanese Reception and Assembly Centers

TO : Division Engineer, South Pacific Division,
351 California Street, San Francisco, California

Confirming verbal request made by Lt. Col. Ira K. Evans, this Headquarters, to Lt. Jobes, Office of the District Engineer, Los Angeles, California, it is requested that additional construction be accomplished, and additional materials be provided, at the following Japanese Reception and Assembly Centers:

a. Santa Anita Assembly Center.

- (1) Construct an addition to the hospital kitchen building, approximately 14' x 20' in size, to be used for a vegetable cutting room.
- (2) Provide suitable 45#, or heavier, roofing felt, and other necessary materials, for re-roofing the large warehouse. Labor for installation will be provided by the Center Manager.

b. Manzanar Reception Center

- (1) Provide suitable insulating materials for interior wall and ceiling sheathing. Labor for installation will be provided by the Project Manager.
- (2) Provide screening materials for all window and door openings. Labor for installation will be provided by the Project Manager.
- (3) Construct suitable ironing rooms.

c. Poston (Parker) Reception Center.

- (1) Provide and install suitable space heaters throughout Center.
- (2) Construct suitable ironing rooms.
- (3) Provide screening materials for all window and door openings. Labor for installation will be provided by the Project Manager.

Additional Construction -- Japanese
Reception and Assembly Centers

June 12, 1942

d. Sacaton Reception Center.

- (1) Provide and install suitable space heaters throughout Center
- (2) Construct suitable ironing rooms.

For the Commanding General:

cc to--
Captain Astrup

69.010

COLORADO RIVER WAR RELOCATION PROJECT
POSTON, ARIZONA

MEMORANDUM TO: Mr. T. M. McDonald
Construction Camp
Poston, Arizona

FROM: R. H. Rupkey
Chief Engineer

February 20, 1943

RECEIVED AGR. & INDUSTRIES	FEB 22 1943	Name	Mathieson
		Initial	Ham
		Date Answered	

Reference is made to the petition circulated in the Construction Camp earlier this week, in which the signers request that a store, commissary or other facilities be arranged at Poston which would make it possible for people living at Poston to purchase food here instead of travelling outside for it.

I have presented the petition to Mr. Mathieson, whose department has charge of the community enterprise activities. Mr. Mathieson advised me that a request has been made to the Washington Office for authority to provide the arrangements which the petition requests.

Until an answer is received, some items will be carried by the community enterprise store in Unit #1. Mr. Mathieson advises that butter is available there to persons who signed up for it in advance. Some other food articles are also available, although it is realized that stock is not nearly complete enough.

You will be advised as soon as we receive word from our letter to Washington.

R. H. Rupkey
Chief Engineer

c/c: Mr. Gelvin
Mr. Expie
Mr. Mathieson ✓