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Pacific Southwest Region
HOLMES & NARVER, Inc.
ENGINEERS-CONSTRUCTORS

405934

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TO: Chief of Operations JOB: 884

FROM: Mgr., C/O Division RE: FISCAL YEAR 1954 BUDGET -- PLANT AND EQUIPMENT

DATE: March 20, 1953

BEST COPY AVAILABLE

By memorandum to Brig. Gen. K. E. Fields, Carroll L. Tyler has indicated a priority for work which can be accomplished with funds available in the fiscal year 1954 budget for plant and equipment. A copy of the referenced memorandum was handed to me by Mr. Spain at Eniwetok and the items included therein are listed below.

The work outlined covers the entire amount of $2,722,000 which we will assume to be available from the fiscal year 1954 budget and covers the following items:

I. Elmer

A. Warehouses: Construct three 40' x 180' and one 40' x 100' warehouses in FY 1954 (25,600 sq. ft.). Dehumidify two buildings and provide fencing and utilities. Procure prefabricated buildings for remainder of warehousing (20,000 sq. ft.) to be constructed in FY 1955.

1. Procure and construct 25,600 sq. ft. @	$ 410,000
2. Procure prefabricated buildings 20,000 sq. ft. @ $2.50	50,000
Subtotal	$ 460,000

(Note: The warehouses to be built should be selected as the ones most urgently required; we may assume any arrangement of size and number of warehouses that will come within the above description of 25,600 sq. ft. of space. We should also assume that we may dehumidify portions of warehouses as required to meet our operating conditions. Mr. Howell will furnish Engineering with Operations' requirements for this increment of warehousing.)

B. Barracks: Construct four 36-man and two 18-man barracks in FY 1954. This is minimum requirement to provide additional space for increase in scientific and joint Task Force Headquarters personnel who will participate in the next operation.

1. Procure and construct 16,500 sq. ft. @ $15.75 (Includes latrines & equipment)	$ 260,000
Subtotal	$ 260,000

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FOLDER SCOPE OF WORK PROJECT FILE JOB 884

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW
DETERMINATION (CIRCLE NUMBER(S))
1. CLASSIFICATION RETAINED
2. CLASSIFICATION CHANGED TO:
3. CONTAINS NO DOE CLASSIFIED INFO
4. COORDINATE WITH:
5. CLASSIFICATION CANCELLED
6. CLASSIFIED INFO BRACKETED
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(Note: Engineering will prepare plot plans and details as necessary to show the location of the above barracks plus the sewer extension, water line extensions, electrical distribution extensions, and communications extensions covered in Parts F, G, H and I to follow.)

C. Addition to Mess Hall: Construct a one-wing addition for dining facilities to provide space so that serving can be accomplished in two seatings in mess hall.

1. Procure and construct 2500 sq. ft. @ $19.00 (Includes tables, chairs, etc.)	$ 48,000
Subtotal	$ 48,000

(Note: Mr. Howell will provide Engineering with any special operating requirements, such as seating arrangement, in order that the bill of material for the mess hall wing will allow ordering of the complete equipment as needed.)

D. Addition to Laundry: Construct a 24' x 40' addition to existing laundry. To include a pants-pressing unit, shirt-pressing unit, extractor, washers, and water cooler.

1. Construct and install equipment	$ 38,000
Subtotal	$ 38,000

(Note: Mr. Howell will provide Engineering with necessary information as to additional equipment and equipment arrangement required for the addition to the Laundry.)

E. Infiltration Gallery - Water Pump Station: Experience with the new salt water pump station which is used for circulating coolant water in the power plant has shown that moss and other sea growth has to be filtered to prevent stoppage of intake lines.

1. Infiltration gallery construction	$ 41,000
Subtotal	$ 41,000

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(Note: This item has been previously included by Mr. Gilleran as an Engineering Change Order and, as such, funds should be available for this work as soon as Mr. Spain has approved the proposed layout.)

F. Sewer Extension: Sewer extensions must be provided to connect new warehouses and barracks to the existing collection system.

1.	Sewer extension and manholes	$ 19,000
	Subtotal	$ 19,000

G. Water Line Extensions: Water line loop extensions are necessary to provide water to the new barracks and for fire protection.

1.	4" fresh water main	$ 20,000
2.	6" salt water main with fire hydrants	45,000
	Subtotal	$ 65,000

H. Electrical Distribution Extensions: Provide extension to new barracks and warehouses. Include transformers.

1.	Electrical distribution extension	$ 35,000
	Subtotal	$ 35,000

I. Communications Extensions: Extension of existing island telephone lines and equipment to provide facilities for expanded operation.

1.	Communications extensions	$ 15,000
	Subtotal	$ 15,000
	Total Item I	$ 981,000

II. Fred

A. Electrical Facilities Addition: Install one 1,000 kw generator in existing space in Elmer power plant. Lay two cables from Elmer to Fred. Procure one additional 1,000 kw generator in FY 1955 for delivery and installation in FY 1955 along with

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necessary switchgear and transformers. (This second generator not included in estimate.)

1. Additional 1,000 kw generator with switchgear	$ 158,000
2. Procure and lay cable	346,000
Subtotal	$ 504,000

(Note: The work described above has been modified considerably by an engineering study which will be submitted for approval of the Field Manager probably this week. The engineering study and estimate of cost will include additional work on the Elmer and Fred distribution systems not noted above; however, the changes will provide much needed capacity to the distribution systems, and it is believed the work can be accomplished for about the same amount of money as estimated above. It is expected the Field Manager will approve this new electrical distribution plan.)

B. Special Services Building: Procure and construct an aluminum building of approximately 12,100 square feet area. Operational equipment to be furnished by military services.

1. Procure and construct 12,100 sq. ft. @ $15.00	$ 181,000
Subtotal	$ 181,000

(Note: Engineering will prepare plans for this building for approval of the Field Manager.)

C. Warehouses: Procure and construct two 40' x 180' and one 40' x 100' prefabricated aluminum warehouses similar to those recently constructed on Elmer.

1. Procure and construct 18,400 sq. ft. @ $14.13	$ 260,000	
Subtotal	$ 260,000	
Total Item II		$ 945,000

(Note: Col. Sackton was advised at the Jobsite that the Army should firm up their warehouse requirements to indicate

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location of buildings, arrangement of doors, and bin storage requirements with our Jobsite Engineering Department in order that we may proceed with detailed plans for submission to the Field Manager.

III. Both Sites

A. Miscellaneous Construction: This item covers construction, alterations, and additions of unscheduled nature. For example, replacement of distillation units; replacement of POL and water tanks; partition changes in administration buildings; additions to office space; and any other capital changes made which are caused by unforeseen circumstances. Work of this category under Engineering Change Orders for calendar year 1952 averaged $31,000 per month for a total of $374,000.

1. Miscellaneous construction	$ 349,000	
Subtotal	$ 349,000	
Total Item III		$ 349,000

(Note: Total of the above items is $2,275,000, the balance of the $2,722,000 budget figure having been allocated by Mr. Tyler for engineering and contingencies.)

In order to cause the least amount of interference with the scientific structures program, and in accordance with previous discussions, the Jobsite and all interested Home Office divisions should have all preliminary work accomplished on these items in the way of preparation of plans, estimates, approvals by the Field Manager, solicitation of bids, and arrangement of work schedules so that work will be started on these items on July 1, 1953, or as soon thereafter as possible.

D. C. Van Dine, Manager
Construction-Operations Division

DCVD:dp
cc: P. W. Spain, Field Mgr., AEC, Albuq.
Project Manager - Jobsite
Chief Project Engr. - 884
Contract Administrator
Controller
DCVD File
Central Files