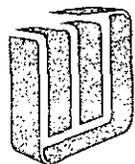


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METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

*Karen S. Duff*  
EXECUTIVE SECRETARY

January 2, 1992

To: Board of Directors (Engineering and Operations Committee--Action)

From: General Manager

Subject: Authorization to issue a cost-plus extra work order in an amount not to exceed \$1,800,000 for the Washwater Reclamation Plant Expansion at the Robert B. Diemer Filtration Plant

Report

The contract work for the Washwater Reclamation Plant Expansion for the Robert B. Diemer Filtration Plant, under Specifications No. 1178, as amended, consists of construction of a 25-million-gallon-per-day washwater reclamation facility, including influent and effluent pipelines, static mixer, flow distribution chamber, coal removal structure, flocculators, sedimentation basins, reclaimed washwater pumps, sludge thickeners, supernatant pumps, and appurtenant work. A contract for this work was awarded to Kaweah Construction Company in July 1990.

At the time the contract was awarded, the design location of the 36"-diameter reclaimed washwater line was such that a portion of the line was located in an embankment which was under the jurisdiction of the California Division of Safety of Dams (DSOD). Although DSOD had not granted formal approval of the location of the line prior to award of the contract, it was anticipated that such would be granted prior to issuance of the Notice to Proceed and prior to actual installation of the line. However, approval by DSOD was not granted as anticipated. As a result, on September 19, 1990, the District directed the contractor to defer work in this area until a realignment of this line could be designed. On May 8, 1991, a total of 50 new and revised contract drawings relocating the 36"-diameter washwater return pipeline, revising various sludge and chemical feed piping, adding chemical spill containment features, including associated mechanical, electrical and structural appurtenances, and adding a 24"-diameter washwater balancing line were transmitted to the contractor. On June 19, 1991, a total of 11 new and revised contract drawings modifying pipe supports for,

and the alignment of, the 24"-diameter washwater balancing line were transmitted to the contractor.

In view of the relative dollar amount of the changed work compared to the contract bid amount, consideration was given to competitively bidding the change work. It was determined not to be in the best interest of the District to do so because of the inability to separate the changed work from the original contract work in scope and proximity which would have seriously complicated administration of the contracts and dramatically increased the potential for delay to the original contract.

This letter seeks your Board's authorization for the General Manager's issuance of an extra work order providing for payment on a cost-plus basis for performing the additional work directed by the above new and revised drawings. The net cost of the above work is estimated to be \$1,800,000, after deducting the estimated value of the originally specified work deleted by the revised drawings. Negotiations with the contractor on the amount of credit due the District for the deleted work are continuing, but an agreement on price has not been reached. Section 8115(d) of the Metropolitan Water District Administrative Code requires the approval of your Board for an extra work order when the total cumulative amount expended on extra work exceeds 5 percent of the contract bid amount. The bid amount for the original contract was \$6,714,000. The total accumulated cost of all extra work issued to date is 5 percent of the bid amount; issuance of this extra work order will increase the total of extra work to 32 percent of the bid amount.

The provisions of the California Environmental Quality Act have been complied with regarding this project.

Funds to cover the cost of this extra work order are available under Appropriation No. 550 for the Robert B. Diemer Filtration Plant Enlargement of Washwater Reclamation Facilities.

#### Board Committee Assignments

This letter was referred for action to:

The Engineering and Operations Committee because of its authority to study, advise, and make recommendations with regard

to: (1) the performance of construction programs and work; and  
(2) construction claims, pursuant to Administrative Code  
Sections 2431(b) and (f).

Recommendation

**ENGINEERING AND OPERATIONS COMMITTEE FOR ACTION.**

It is recommended that the General Manager be authorized to issue a cost-plus extra work order, in the form approved by the General Counsel, to the contractor constructing the Washwater Reclamation Plant Expansion at the Robert B. Diemer Filtration Plant for realignment of the 36"-diameter reclaimed washwater line, for addition of chemical spill containment facilities, for installation of a new 24"-diameter washwater intertie line, and associated appurtenances, all as directed by revised drawings issued by the District on May 8, and June 19, 1991. The estimated cost of the work is \$1,800,000.

  
for Carl Boronkay

DCS/jk/rdl  
(Diemer)