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DEPARTMENT
OF UTILITIES

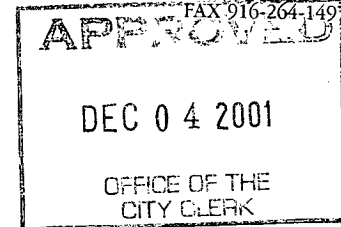
ENGINEERING
SERVICES DIVISION

CITY OF SACRAMENTO
CALIFORNIA

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November 16, 2001



City Council
Sacramento, California

Honorable Members in Session

**SUBJECT: E A FAIRBAIRN WATER TREATMENT PLANT INTAKE MODIFICATION
PROJECT (PN:ZF47) - APPROVAL OF CHANGE ORDER NO. 1**

LOCATION AND COUNCIL DISTRICT:

E A Fairbairn Water Treatment Plant (City Wide)

RECOMMENDATION:

Staff recommends that the City Council approve Contract Change Order No. 1 with Kiewit Pacific Company (Contract No. CO 2001-169) for \$165,434.

CONTACT PERSON: Garv A. Reents, Engineering Services Manager, 264-1433
Gary E. Gosse, Supervising Engineer, 264-1426

FOR COUNCIL MEETING OF: December 4, 2001

SUMMARY:

The City Council awarded a contract to Kiewit Pacific Company on May 3, 2001, for \$9,998,000. Change Order No. 1 is to allow an increase in travel distance of the wash assembly for the intake fish screens for improved maintenance. The additional labor and materials required of the Contractor, Kiewit Pacific, to accommodate this travel distance change will increase the contract amount by \$165,434.

COMMITTEE / COMMISSION ACTION: None



CITY OF SACRAMENTO
DEPARTMENT
OF UTILITIES

Making a Difference in Your Neighborhood

BACKGROUND:

The intake pump station at the E A Fairbairn Water Treatment Plant in the American River is being modified (extended and retrofitted) with new fish screens and other upgrades. The intake modification includes providing new wash systems for all eighteen fish screens (twelve on the existing intake and six on the intake extension). A determination was made that an increase in vertical travel distance of the eighteen screen wash assemblies would allow easier and more efficient maintenance, inspection, and testing of the assemblies. Inspection, testing, and repairs could be performed above normal water level most of the time with travel distance increase.

The screen wash assembly travel distance increase for the twelve retrofitted screens on the existing intake is to be 15.5 feet from 4.5 feet of the original design. The travel distance increase for the six wash assemblies on the intake extension is to be 17.5 feet from design 4.5 feet. The additional cost to Kiewit Pacific Company in labor, materials, and equipment for the travel distance increase is \$165,434.

FINANCIAL CONSIDERATIONS:

The total estimated construction cost including inspection, construction management support, contract administration, and contingency for construction of the E A Fairbairn Water Treatment Plant Intake Modification Project (ZF47) is \$12,475,920. There are sufficient funds available to execute Change Order No. 1 for \$165,434 and to complete the project.

ENVIRONMENTAL CONSIDERATIONS:

An environmental assessment/initial study for the Intake Fish Screen Replacement Project was prepared and circulated for public review consistent with the California Environmental Quality Act and the National Environmental Policy Act. On June 27, 2000, the City Council adopted the Mitigated Negative Declaration and Mitigation Monitoring and Reporting Plan for the Intake Fish Screen Replacement Projects at the Sacramento River and E A Fairbairn Water Treatment Plants.

POLICY CONSIDERATIONS

The Intake Fish Screen Replacement Projects will bring the City into compliance with current standards of the California Department of Fish and Game and the National Marine Fisheries Service. The intake projects when finished, will protect juvenile fish within the American and Sacramento Rivers by greatly reducing the chance for the fish to be drawn into the intakes.

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E A Fairbairn WTP Intake Modification (ZF47)

ESBD CONSIDERATIONS

Kiewit Pacific Company is providing 6.1 percent ESBD participation which exceeds the five percent goal established for the E A Fairbairn Water Treatment Plant Intake Modification Project.

Respectively submitted,



Gary A. Reents
Engineering Services Manager

RECOMMENDATION APPROVED



Robert P. Thomas
City Manager

APPROVED



James G. Sequeira
Director of Utilities

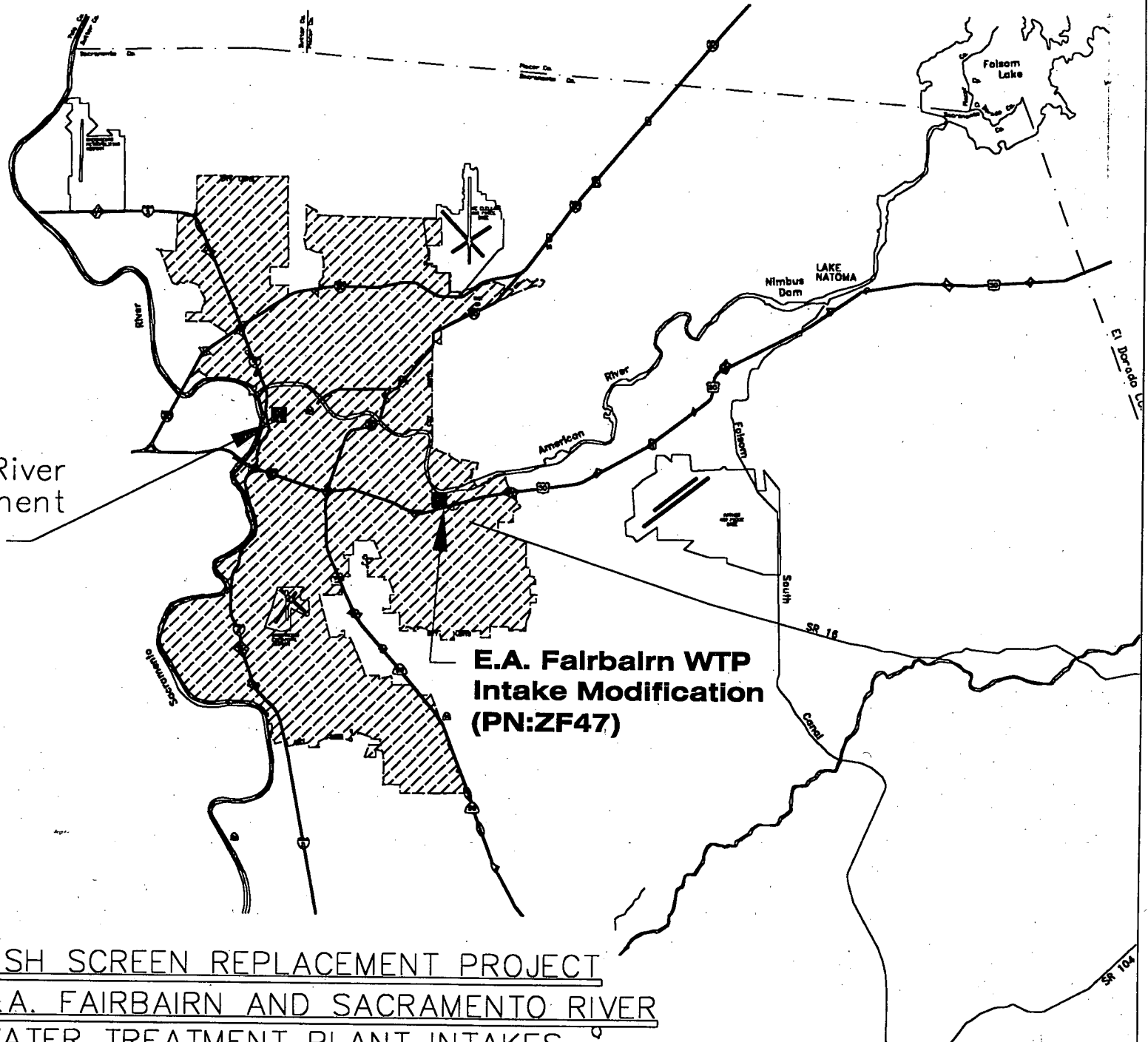


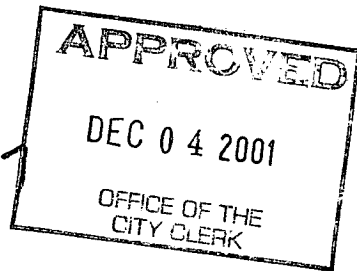
Sacramento River
WTP Replacement
Intake

**E.A. Fairbairn WTP
Intake Modification
(PN:ZF47)**

FISH SCREEN REPLACEMENT PROJECT
E.A. FAIRBAIRN AND SACRAMENTO RIVER
WATER TREATMENT PLANT INTAKES

September 2000





RESOLUTION NO.

2001-797

ADOPTED BY THE SACRAMENTO CITY COUNCIL

ON DATE OF _____

RESOLUTION APPROVING CONTRACT CHANGE ORDER NO. 1 FOR THE E A FAIRBAIRN WATER TREATMENT PLANT INTAKE MODIFICATION PROJECT (ZF47)

BE IT RESOLVED BY THE SACRAMENTO CITY COUNCIL THAT:

The City Manager and City Clerk are hereby authorized to sign and execute Contract Change Order No. 1 with Kiewit Pacific Company in the amount of \$165,434 for the E A Fairbairn Water Treatment Plant Intake Modification Project (ZF47).

MAYOR

ATTEST:

CITY CLERK

FOR CITY CLERK USE ONLY

RESOLUTION NO.: _____

DATE ADOPTED: _____