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APPROVED  
BY THE CITY COUNCIL

MAY 12 1998

OFFICE OF THE  
CITY CLERK  
A698-~~051~~  
-051  
300 FREEPORT BLVD.  
SUITE 100  
SACRAMENTO, CA 95811  
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DEPARTMENT OF  
UTILITIES  
ENGINEERING SERVICES

CITY OF SACRAMENTO  
CALIFORNIA

April 17, 1998

City Council  
Sacramento, California

Honorable Members in Session:

**SUBJECT: SACRAMENTO RIVER WATER TREATMENT PLANT PUMP STATION VAULT  
REPLACEMENT/FOUNDATION REPAIR AND CLEARWELL ROOF REPAIR  
(PN:ZE21) - CONSULTANT SERVICES AGREEMENT WITH MONTGOMERY  
WATSON FOR AN AMOUNT NOT TO EXCEED \$332,109**

**LOCATION AND COUNCIL DISTRICT:**

The project is located at the Sacramento River Water Treatment Plant on Bercut Drive, District 1 (see enclosed map).

**RECOMMENDATION:**

Staff recommends that the City Council approve the attached resolution authorizing the City Manager and City Clerk to sign and execute the Consultant Service Agreement for an amount not to exceed \$332,109.

**CONTACT PERSON:**

Gary Reents, Engineering Services Manager, 433-6633  
Candace McGahan, Senior Engineer, 433-6617

**FOR COUNCIL MEETING OF:** May 12, 1998

**SUMMARY**

Staff has negotiated a Consultant Service Agreement with Montgomery Watson to provide pre-design, design, plans, specifications and cost estimate for improvements to the Sacramento River Water Treatment Plant Pump Station Vault/Foundation Repair and Clearwell Roof. Authorization for the City Manager and City Clerk to execute the agreement is requested.

City Council  
April 17, 1998

Sacramento River Water Treatment Plant Modifications - Consultant Services Agreement  
(PN: ZE21)

### **COMMITTEE/COMMISSION ACTION**

None.

### **BACKGROUND INFORMATION**

The Sacramento River Water Treatment Plant, constructed in the early 1920s, has the capability of providing 130 million gallons per day of treated water to the City of Sacramento. Evaluation of the pump station and 5 million gallon reservoir at the treatment plant has identified the following problems:

- The south vault of the pump station has settled over the years which has caused a void between the vault and the pump station. This settlement has caused the piping in the vault to be stressed.
- The vault structure has extensive cracking and distress. There is concern for the safety of personnel in the vault and that further movement in the vault or failure of the vault structure may rupture the piping critical to the plant operation.
- Evidence indicates that the east and west wing of the pump station has settled and geotechnical studies have shown that the foundation does not meet the current earthquake design code.
- The concrete roof on the 5 million gallon reservoir has deteriorated to the point where the reinforcing steel is exposed and significantly corroded.

This Consultant Services Agreement with Montgomery Watson will include the design necessary to address these problems. The proposed improvements include:

- Construct a new pump station south vault and replace the piping inside the vault.
- Modify the existing pump station east and west wing foundation to meet current earthquake design requirements.
- Repair the concrete roof on the 5 million gallon reservoir.

### **FINANCIAL CONSIDERATIONS**

The Consultant Services Agreement will be funded from the Water Fund Capital Improvement Program - Treatment Capacity Expansion (413-500-ZE21). The unobligated balance is \$5,012,216 as of April 17, 1998.

City Council  
April 17, 1998

Sacramento River Water Treatment Plant Modifications - Consultant Services Agreement  
(PN: ZE21)

**ENVIRONMENTAL CONSIDERATIONS**

An Environmental Review in accordance with the provisions of the California Environmental Quality Act (CEQA) will be performed as part of the project. The anticipated assessment for this project is a categorical exemption.

**POLICY CONSIDERATIONS**

The action requested herein is consistent with Sacramento City Code, Title 59.

**MBE/WBE**

The design consultant is not a City certified MBE or WBE. Montgomery Watson will provide MBE/WBE participation through the use of the following subconsultants:

- 1. Minority Owned Business Enterprise (MBE)
  - AGS 4.8%
  - Psomas 1.5%
  
- 2. Women Owned Business Enterprise (WBE)
  - Easton 1.5%

Montgomery Watson performed a good faith effort in defining subconsulting opportunities for MBE/WBE firms; however, the nature of this contract is limited in the amount of subconsultant opportunities.

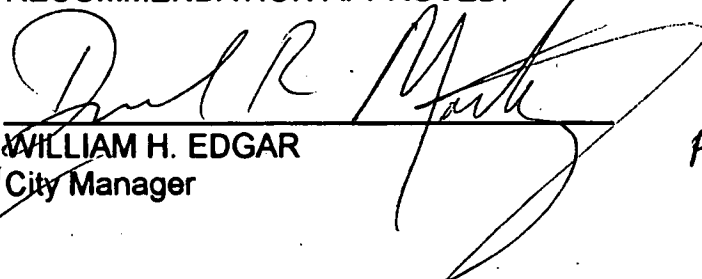
The cumulative departmental MBE/WBE participation for the current fiscal year in capital improvement projects is 3.68% MBE and 2.98% WBE.

Respectfully submitted,



Gary A. Reents  
Engineering Services Manager

RECOMMENDATION APPROVED:



WILLIAM H. EDGAR  
City Manager

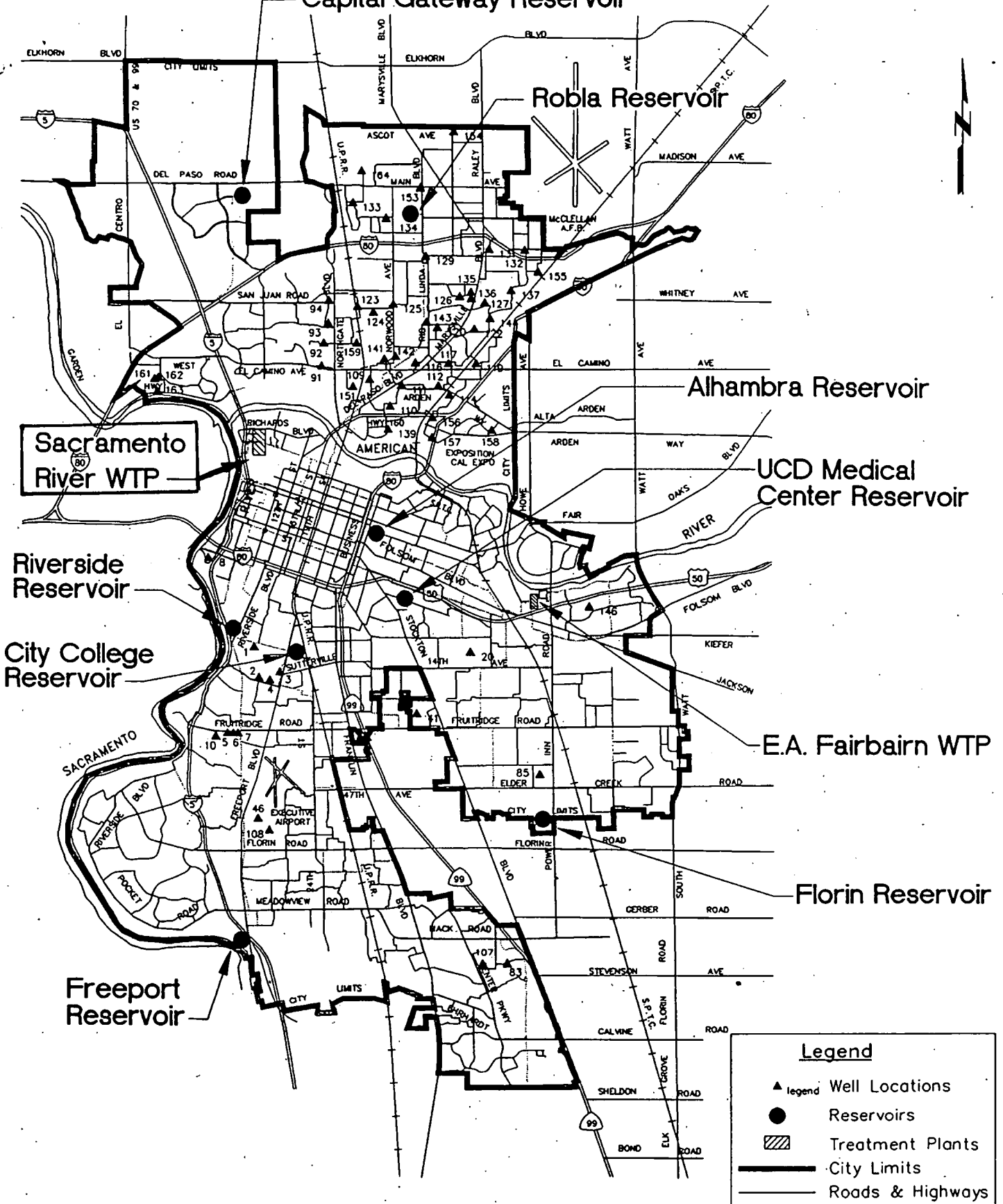
APPROVED:



FOR JAMES G. SEQUEIRA  
Director of Utilities

# Capital Gateway Reservoir

09/16/96 09:53:06 ACD-12



**Legend**

- ▲ legend Well Locations
- Reservoirs
- ▨ Treatment Plants
- City Limits
- Roads & Highways

Sacramento, CA  
Water Distribution System  
Facility Locations  
Black & Veatch  
1996

28155-117-000-C004 Plotted 1:12000

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# RESOLUTION NO. 98-167

ADOPTED BY THE SACRAMENTO CITY COUNCIL

ON DATE OF \_\_\_\_\_

**RESOLUTION AUTHORIZING THE CITY MANAGER AND CITY CLERK TO EXECUTE THE CONSULTANT SERVICES AGREEMENT WITH MONTGOMERY WATSON TO PROVIDE ENGINEERING SERVICES FOR DESIGN OF THE SACRAMENTO RIVER WATER TREATMENT PLANT PUMP STATION VAULT REPLACEMENT/FOUNDATION REPAIR AND CLEARWELL ROOF REPAIR (PN:ZE21) FOR AN AMOUNT NOT TO EXCEED \$332,109.**

**BE IT RESOLVED BY THE SACRAMENTO CITY COUNCIL THAT:**

The City Manager and City Clerk are hereby authorized to sign and execute a Consultant Services Agreement with Montgomery Watson for an amount not to exceed \$332,109 to provide engineering services for pre-design, design and preparation of plans, specifications, and cost estimate for the Sacramento River Water Treatment Plant Pump Station Vault Replacement/Foundation Repair and Clearwell Roof Repair Project.

\_\_\_\_\_  
MAYOR

ATTEST:

\_\_\_\_\_  
CITY CLERK

APPROVED  
BY THE CITY COUNCIL  
MAY 12 1998  
OFFICE OF THE  
CITY CLERK

\_\_\_\_\_  
FOR CITY CLERK USE ONLY

RESOLUTION NO. \_\_\_\_\_

DATE ADOPTED: \_\_\_\_\_