



**APPROVED**  
BY THE CITY COUNCIL

**MAY 7 1998**

OFFICE OF THE  
CITY CLERK

1.5

DEPARTMENT OF  
UTILITIES  
ENGINEERING SERVICES

CITY OF SACRAMENTO  
CALIFORNIA

April 14, 1998

AG 98-045

5770 FREEPORT BLVD.  
SUITE 100  
SACRAMENTO, CA  
95822-2911

PH 916-433-6318  
FAX 916-433-6652

City Council  
Sacramento, California

Honorable Members in Session:

**SUBJECT: AMERICAN RIVER WATER TRANSMISSION MAIN CROSSING AT INTERSTATE-5  
(PN:ZF96) - CONSULTANT SERVICES AGREEMENT WITH CH2M HILL FOR AN  
AMOUNT NOT TO EXCEED \$384,990**

**LOCATION AND COUNCIL DISTRICT:**

The project will begin at the Sacramento River Water Treatment Plant on Bercut Drive, cross the American River in the vicinity of Interstate 5 and end at the intersection of West El Camino Avenue and Azevedo Drive (see enclosed map) (District 1).

**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 with CH2M Hill for an amount not to exceed \$384,990.

**CONTACT PERSON:** Gary Reents, Engineering Services Manager, 433-6633  
Candace McGahan, Senior Engineer, 433-6617

**FOR COUNCIL MEETING OF:** May 7, 1998

**SUMMARY**

Staff has negotiated a Consultant Services Agreement with CH2M Hill to:

- Prepare a pipe alignment study for a 48-inch diameter water transmission main that will extend from the Sacramento River Water Treatment Plant to the intersection of West El Camino Avenue and Azevedo Drive.
- Prepare construction plans and specification based on the alignment study results.

Authorization for the City Manager and City Clerk to execute the agreement is requested.

City Council  
April 14, 1998

American River Crossing 48-inch Water Transmission Main - Consultant Services Agreement  
(PN:ZF96)

## **COMMITTEE/COMMISSION ACTION**

None.

## **BACKGROUND INFORMATION**

The Consultant Service Agreement will provide engineering services for a pipe alignment study and the design and preparation of plans, specifications, environmental documentation, permit applications, and cost estimate for approximately 7,500 linear feet of 48-inch transmission pipeline from the Sacramento River Water Treatment Plant to the intersection of Azevedo Drive and West El Camino Avenue.

The City of Sacramento's Department of Utilities serves potable water to approximately 370,000 people within the City limits. The City has two water treatment plants, the E.A. Fairbairn WTP (American River water) and the Sacramento River WTP, and approximately 30 active municipal groundwater wells that supply the City's 100 mgd average and 180 mgd maximum daily water demands.

In 1997, the Sacramento City Council lifted the moratorium on residential construction in North Natomas. As a result, the City is expecting large developments in North and South Natomas. The Natomas and surrounding areas are estimated to have a maximum daily water demand of 33 mgd by the year 2005 and 78 mgd at full build-out.

Currently, a 24-inch transmission pipeline crossing the American River at the Interstate 5 bridge and a 30-inch transmission pipeline in West El Camino Avenue serves the Natomas area. These mains will reach ultimate capacity by the year 2001 with present projections. Construction of the American River Water Transmission Main Crossing at I-5 is the first phase in meeting the Natomas area demands.

## **FINANCIAL CONSIDERATIONS**

The Consultant Services Agreement will be funded from the Water Fund Capital Improvement Program (413-500-ZF96). The unobligated balance is \$ 385,064 as of March 26, 1998.

## **ENVIRONMENTAL CONSIDERATIONS**

The required environmental documentation will be determined after the pipe alignment study has been completed. The anticipated assessment for this project is a Mitigated Negative Declaration.

**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. CH2M Hill will meet the City's goals for MBE/WBE participation through the use of the following subconsultants:

- 1. Minority Owned Business Enterprise (MBE)
  - Espana Geotechnical Consulting 10.0%
  - JTS Engineering Consultants 3.9%
  
- 2. Women Owned Business Enterprise (WBE)
  - CCS Planning and Engineering 9.1%
  - Saf-r-dig 1.3%
  - Winslow Reproduction Graphics 1.3%

The participation of minority owned businesses certified with the City represents 13.9% of the overall contract amount, which exceeds the City's stated goal of 10.5%. The women owned business participation in this contract is 11.7%, which exceeds the City's stated goal of 9.5%.

Respectfully submitted,



Gary A. Reents  
Engineering Services Manager

RECOMMENDATION APPROVED:

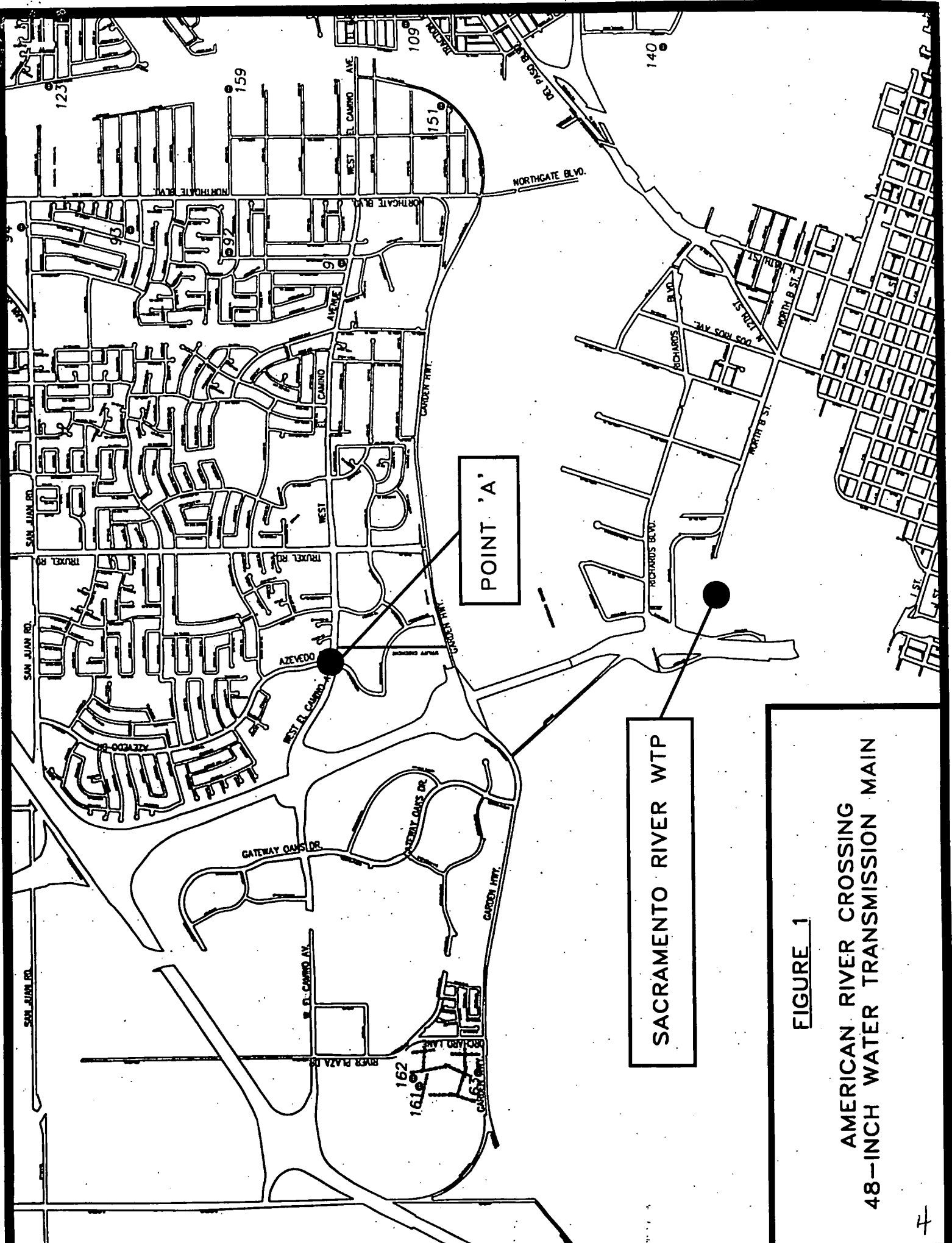


WILLIAM H. EDGAR  
City Manager

APPROVED:



JAMES G. SEQUEIRA  
Director of Utilities



POINT 'A'

SACRAMENTO RIVER WTP

FIGURE 1  
 AMERICAN RIVER CROSSING  
 48-INCH WATER TRANSMISSION MAIN

**APPROVED**  
BY THE CITY COUNCIL

**MAY 7 1998**

OFFICE OF THE  
CITY CLERK

**RESOLUTION NO. 98-158**

ADOPTED BY THE SACRAMENTO CITY COUNCIL

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

**RESOLUTION AUTHORIZING THE CITY MANAGER AND CITY CLERK TO EXECUTE THE CONSULTANT SERVICES AGREEMENT WITH CH2M HILL TO PROVIDE ENGINEERING SERVICES FOR AN ALIGNMENT STUDY AND DESIGN OF THE AMERICAN RIVER WATER TRANSMISSION MAIN CROSSING AT INTERSTATE 5 (PN:ZF96) FOR AN AMOUNT NOT TO EXCEED \$384,990.**

**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 CH2M Hill for an amount not to exceed \$384,990 to provide engineering services for an alignment study, design and preparation of plans, specifications, environmental documentation, permit applications and cost estimate for the American River Water Transmission Main Crossing at Interstate 5.

\_\_\_\_\_  
MAYOR

ATTEST:

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

**FOR CITY CLERK USE ONLY**

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

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