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DEPARTMENT OF
PUBLIC WORKS

CITY OF SACRAMENTO
CALIFORNIA

1391-35TH AVENUE
SACRAMENTO, CA
95822-2911

DIVISION OF
FLOOD CONTROL AND SEWERS

916-449-5271

June 2, 1987

Budget and Finance Committee
Sacramento, California

Honorable Members in Session:

SUBJECT: Sump 132D Modeling Study
Project Approval and Fund Appropriation

SUMMARY

A modeling study is proposed to be performed for Sump 132D at a cost not to exceed \$40,000.00.

BACKGROUND

Sump 132D provides drainage for a significant portion of the Pocket area. This lift station was constructed in 1970. Additional pumps were added to the existing structure in 1986.

The large size of Sump 132D (6600 H.P.) and its configuration has caused staff to have concerns about the ability of this pumping plant to function efficiently during heavy storms. Since the complex three dimensional nature of the flow of water in a pumping plant precludes theoretical analysis, a model study is necessary. The model study will determine modifications, if any, which should be implemented to improve the operation of Sump 132D.

This specialized modeling work is performed by a very limited number of consultants. The only one in California is the firm of Hydro Research Science Inc. of Santa Clara, California. This firm has submitted a proposal for modeling, analyzing, and giving recommendations for modifications, if needed. The base amount of the proposal is \$37,704.00 plus \$150.00 per diem for travel to Sacramento, if necessary.

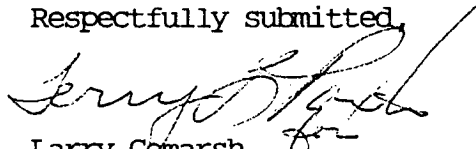
FINANCIAL

Funding for this study is available from the Pocket Area Assessment District Maintenance fund. This fund (Fund #240) presently has a balance of \$650,000.00.

RECOMMENDATION

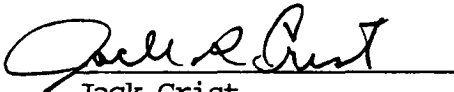
It is recommended that the Budget and Finance Committee recommend that the City Council approve the attached resolution adding the study of Sump 132D to the Flood Control and Sewer Division budget, appropriating \$40,000 from Fund 240 for the study and authorizing the City Manager to negotiate a contract with Hydro Research Services.

Respectfully submitted,



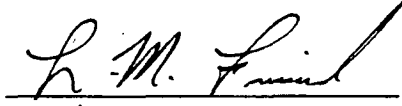
Larry Comarsh
Flood Control and Sewers
Division Manager

Recommendation Approved:



Jack Crist
Deputy City Manager

Approved:


FOR Melvin H. Johnson
Director of Public Works

June 2, 1987
District No. 8

RESOLUTION No.

Adopted by The Sacramento City Council on date of

RESOLUTION AUTHORIZING MODELING STUDY OF SUMP 132D AND APPROPRIATING PROJECT FUNDS

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

1. The Flood Control and Sewer Budget is hereby amended by appropriating \$40,000 from the Drainage Fund (425) to cover the cost of the modeling study of Sump 132D (425-310-3165-4252).
2. The Drainage Fund (425) will be reimbursed for the cost of the study by Transferring \$40,000 from the Pocket Area Fund (240) to the Drainage Fund (425). (240-710-7012-4999-
<\$40,000> 240-310-3165-4374 \$40,000, 425-310-3165-4374-
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3. The City Manager is hereby authorized to negotiate a contract with Hydro Research Science, Inc., for this study.

MAYOR

ATTEST:

CITY CLERK

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