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DEPARTMENT OF  
PUBLIC WORKS

CITY OF SACRAMENTO  
CALIFORNIA

CITY HALL  
ROOM 207  
915 I STREET  
SACRAMENTO, CA  
95814-2673

OFFICE OF THE DIRECTOR

June 20, 1990

916-449-5283

Budget and Finance Committee  
Sacramento, California

ADMINISTRATION  
916-449-8747

Honorable Members in Session:

**SUBJECT: NEIGHBORHOOD SAFETY DURING ROUTINE/EMERGENCY  
OPERATIONS AND MAINTENANCE OF SUMP 122 AND  
POSSIBLE REDUCTIONS IN CIP TO FUND**

#### SUMMARY

This report addresses the concerns of citizens living around Sump 122. Policy directives concerning operations and maintenance procedures at Sump 122 have been enacted to fully address neighborhood concerns for safety at this pumping facility should the decision be made to leave the facility at its present location. The estimated cost of relocating the pump is \$325,000 to \$510,000 as previously described to the committee. If the Committee chooses to direct staff to relocate the pump by reducing the CIP, it is suggested that the priority listing provided on the "Report Back: Sewer Fund Priorities Listing" be used.

#### BACKGROUND INFORMATION

Due to the generally antiquated condition of the sewer pumping station on Fernandes Drive, Sump 122 was replaced with a new pump station of advanced design and relocated from the residential backyards to the front yard. The pump was redesigned from above ground to below ground for better noise and odor control and better flow characteristics. The relocation of the station to the front made construction and future maintenance more accessible. The station was reconstructed on City-owned easement for these purposes. At this time the new pumping station is installed and functioning normally.

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During the course of construction, area neighbors brought to the City Council questions of location, landscaping, odor, and safety at the Sump 122 site. This project has more than \$70,000 remaining after completion of construction. These funds will be used for landscaping, which will be done at this site with consultation with the pumping station's neighbors and Councilperson Kastanis. Neighborhood concerns about safety arise because the doors of the wet well are open during servicing. Safety at this site will be given special attention to ensure that the public is not exposed to unsafe practices. One of the goals of the Flood Control and Sewer Division is to operate a safe, reliable, and cost-effective system. Additional procedures for working at Sump 122 are detailed in Attachment 1. These include staffing any maintenance operations with at least two employees, cleaning the pump within the wet well prior to removal, and transporting the pump in a leak-tight container.

Key Points:

Neighborhood concerns about Sump 122 site landscaping to be addressed in consultation with pump station neighbors.

Neighborhood concerns about safety - particularly the safety of children when sump wetwell doors are opened. This safety concern is being addressed by instituting the Sump 122 Routine/Emergency Operations and Maintenance Safety procedures.

Neighborhood concerns about odor - NI-800 cleaner-degreaser (all natural, citrus base) odor control has been injected into the collection system. The new design of the present pump station produces less odor than the Yeoman-type pump station that it replaced. In the event that more odor control is found to be necessary, other state-of-the-art techniques can be employed.

FINANCIAL DATA

Sufficient funding is available in capital improvement project XB06, Sump 122 Reconstruction, for completion of work and landscaping.

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POLICY CONSIDERATIONS

Not applicable.

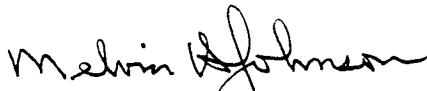
MBE/WBE

Not applicable.

RECOMMENDATION

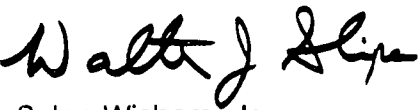
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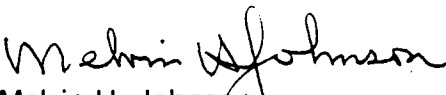
Respectfully submitted,

  
Donald M. Dodge  
Deputy Director of Public Works/Utility  
Services

APPROVED FOR COMMITTEE INFORMATION:

APPROVED

  
FOR Solon Wisham, Jr.  
Assistant City Manager

  
Melvin H. Johnson  
Director of Public Works

Contact Person:  
Raymond A. Santin  
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449-1255

June 20, 1990  
District 7

1 Attachment: a/s

**SUMP 122**  
**ROUTINE/EMERGENCY OPERATIONS AND MAINTENANCE**

Routine Operations:

Inspect for proper function of all existing plant equipment.

1. Purge bubbler compressor of moisture.
2. If pump is not running, test for operation.
3. Perform needed grounds maintenance.
4. Record elapsed timer reading.

**NON-STANDARD OPERATIONAL AND MAINTENANCE PROCEDURES**

Maintenance Operations:

Whenever maintenance is to be performed inside the wetwell area or the covers over the wetwell are to be opened, there will be a minimum of two (2) persons on location. One person's primary responsibility is to act as safety watch. The safety watch will ensure that no one not associated with the job will be endangered. The safety watch will be responsible to ensure that proper safety precautions are adhered to during any operations in and around the open wetwell.

**Caution -** Do not open the wetwell cover for even the briefest time without the safety watch.

**Pump removal -** When the pump is to be removed from the wetwell (above grade), it will be washed clean within the wetwell prior to removal. Every precaution will be used to prevent over-spray or wastewater from touching the surrounding area. Once cleaned, the pump will be lifted from the wetwell directly into a leak-tight container and transported to plant maintenance facilities for repairs.

**Water supply -** Those Operations and Maintenance tasks which require the use of potable water shall bring their own water supply. There is currently no City hose bib available, and the neighbors water supplies are not to be used.

Emergency Maintenance & Operations:

Even though emergency maintenance requires action, the above rules shall not be circumvented. The On Call Serviceworker may be summoned for a water supply or Hydro-cleaning if needed. Ensure these persons also abide by the above rules.

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