

ITEM	4
MANAGER'S REPORT NO.	6
COUNCIL MEETING	94/02/07

TO: CITY MANAGER

DATE: 1994 FEB 01

FROM: DIRECTOR ENGINEERING

FILE: 10-01-12

SUBJECT: WORK ORDERS:

60-21-111 WATER SUPPLY STUDY - CENTRAL VALLEY
60-21-110 WATERMETERS RENEWAL PROGRAM
60-30-088 SANITARY SEWER INFILTRATION

PURPOSE: To obtain approval of Work Orders 60-21-111, 60-21-110 and 60-30-088

RECOMMENDATION:

1. THAT the above work orders as more specifically referred to in this report, be approved.

REPORT

60-21-111 Water Supply Study - Central Valley

Charge: 1993 Capital Budget
Water mains, pumping stations, etc. \$40,000

Additional Information: In 1970 a comprehensive study of the City's water distribution system was undertaken, results of which have been used to evaluate system improvements over the past two decades. The original study is now outdated and staff are currently preparing a study of the city's distribution system utilizing computer modelling techniques to include more current needs and projected future growth. This is an ongoing program earlier phases of which included the Kingsway and Hastings pressure zones. This work order provides funding to undertake the Central Valley Pressure Zone as the next phase of the overall system study.

Sufficient General Revenue Capital funds are available and provision for these expenditures have been included in the 1993 - 1997 Capital Program.

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60-21-110 Watermeters Renewal Program


Charge: 1993 Capital Budget \$250,000
Water mains, pumping stations, etc.

Additional Information: Funds are required for the ongoing program of replacement of older water meters as a component of the automated meter reading system. The program will permit staff to maintain an accurate and efficient metering system to avoid potential loss of revenue due to inaccurate meter readings. Sufficient General Revenue Capital funds are available and provision for these expenditures have been included in the 1993 - 1997 Capital Program.

60-30-088 Sanitary Sewer Infiltration and Inflow Program

Charge: 1993 Capital Budget \$150,000
Sanitary sewer extensions

Additional Information: The City has an ongoing program to reduce infiltration and inflow in the sanitary sewer system. Reduction of infiltration and inflow is a critical element in the Regional Liquid Waste Management Plan and reduces the load on sewage treatment plants. The program commenced in 1991 and includes a combination of smoke, dye and pressure testing, augmented with video camera inspection and flow monitoring in the defined areas. The results of the above test program are used to identify specific sections of the sewer network requiring rehabilitation, typically using a combination of grouting manholes and sewer pipe joints, relining sewer pipes and elimination of cross connections. Extending the test area in 1994 and any necessary rehabilitative measures is estimated at a total cost of \$150,000. Sufficient General Revenue Capital funds are available and provision for these expenditures have been included in the 1993 - 1997 Capital Program.


DIRECTOR ENGINEERING

AAS:
cc: Director Finance