

TO: CITY MANAGER **DATE:** 2005 October 12

FROM: DIRECTOR ENGINEERING **FILE:** 32000-05

SUBJECT: WORK ORDERS:
60-21-141 Water Distribution System Study
60-30-115 Sewer System Evaluation

PURPOSE: To obtain approval of work orders 60-21-141 and 60-30-115

RECOMMENDATION :

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

REPORT

60-21-141 Water Distribution System Study

Charge: 2005 Capital Budget
 Watermains, pumping stations, etc \$60,000

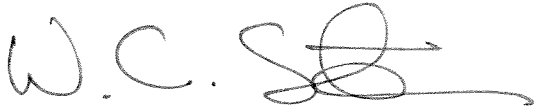
Additional Information: Consulting services are required to update the computerized model of the City's water distribution system. Burnaby's system is divided into several pressure zones, some of which have been previously modelled. The objective of the study is to update existing data and review additional areas. A fully calibrated model would enable staff to examine the effect of development and capital improvements on the reliability and operational efficiency of the distribution network. Sufficient General Revenue funds are available in the Water Utility, and these expenditures are included in the 2005 Annual Financial Plan.

60-30-115 Sewer System Evaluation

Charge: 2005 Capital Budget
 Sanitary Extensions \$75,000

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Additional Information: The City has an ongoing program to reduce infiltration and inflow in the sanitary sewer system. Reduction of infiltration and inflow lessens the load on sewerage treatment plants and is a critical element in the Regional Liquid Waste Management Plan. The proposed program includes flow monitoring and video camera inspection to identify specific areas of the sewer network requiring rehabilitation. Sufficient General Revenue funds are available and these expenditures are included in the Sanitary Sewer Utility component of the 2005 Financial Plan.



W.C. Sinclair
DIRECTOR ENGINEERING

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Copied to: Director Finance