

TO: CITY MANAGER **DATE:** 2003 03 04
FROM: DIRECTOR ENGINEERING **FILE:** 10-01-12
SUBJECT: WORK ORDERS:
 60 - 30 - 110/21-142 Upgrade Pump Stations Alarm System
 60 - 21 - 141 Water Distribution System Study
 60 - 32 - 120 Willard Street/Meadow Avenue Drainage - Engineering Services
PURPOSE: To obtain approval of Work Orders 60-30-110/21-142, 60-21-141 and 60-32-120

RECOMMENDATION:

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

R E P O R T

60-30-110/21-142 Upgrade Pump Stations Alarm System

Charge: 2003 Provisional Capital Budget
 Sanitary Sewer \$160,000

Additional Information: This work order provides funding for improvements and upgrading of the existing pump station alarm and data acquisition systems. The system would enable staff to remotely monitor alarms and respond in a timely manner in the event of a station malfunction as well as remotely gather data on system operating characteristics. Sufficient General Revenue funds are available and these expenditures are included in the Water and Sewer Utility components of the 2003 - 2007 Capital Program.

60-21-141 Water Distribution System Study

Charge: 2003 Provisional Capital Budget
 Water Utility \$50,000

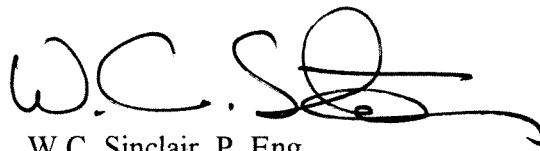
Consulting engineering services are required to develop a computerised model and calibration program of the City's water distribution system. Burnaby's system is divided into several pressure zones, some of which have been modelled previously. The objective of the study is to update existing

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 and these expenditures are included under the Water Utility component of the 2003 - 2007 Provisional Capital Program.

60-32-120 Willard Street/Meadow Avenue Drainage - Engineering Services

Charge: 2003 Provisional Capital Budget
Storm Drainage \$100,000

Additional Information: Consultancy services are required to undertake detailed engineering designs and contract administration for the implementation of recommendations contained in a recently completed drainage study of the Willard Street and Meadow Avenue watersheds. The total cost of engineering services is estimated at \$100,000. Sufficient General Revenue funds are available and these expenditures are included in the Storm Drainage component of the 2003 - 2007 Provisional Capital Program.



W.C. Sinclair, P. Eng.
DIRECTOR ENGINEERING

AAS:dh

cc: Director Finance