

TO: CITY MANAGER **DATE:** 2004 05 11

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

SUBJECT: WORK ORDERS:
 60 - 21 - 143 Watermain Renewals (2004 Program) - Package "A"
 60 - 30 - 117 2004 Sewer Rehabilitation Program
 60 - 30 - 098 Minor Unspecified Projects - Various Locations
 60 - 32 - 105 Drainage Improvements (Burnaby's share)-Various Locations
 60 - 32 - 117 Miscellaneous Storm Drainage Improvements -Various Locations
 60 - 09 - 076 Special Roads-Minor Unspecified Projects-Variou Locations

PURPOSE: To obtain approval of various Work Orders.

RECOMMENDATION:

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

REPORT

60-21-143 Watermain Renewals (2004 Program) - Package "A"

Charge: 2004 Capital Program
 Watermains, pumping stations, etc \$1.1 Million

Additional Information: Appearing elsewhere on this agenda is an item recommending the award of Contract 2004-11: Watermain Renewals - Package "A". This work order provides funding for the second phase of our annual replacement program comprised primarily of aging watermains with a history of frequent breaks and high maintenance costs. Sufficient General Revenue funds are available in the Water Utility, and these expenditures are included in the 2004 Annual Financial Plan.

60-30-117 2004 Sewer Rehabilitation Program

Charge: 2004 Capital Program
 Sanitary Sewer Utility \$875,000

Additional Information: The City has an ongoing program to reduce infiltration and inflow (I & I) in the sanitary sewer system. Reduction of I & I lessen the load on sewerage treatment plants and is a critical element in the Regional Liquid Waste Management Plan. Recent evaluation of the sewer system utilizing flow monitoring and video camera inspection techniques identified specific areas of the sewer network requiring rehabilitation with the view to further reducing I & I that enter the system through aging manholes and joints in sewer pipes. Based on this evaluation, staff have developed a comprehensive rehabilitation program comprising of sewer linings and grouting at various locations with an estimated cost of \$875,000. Sufficient General Revenue funds are available and these expenditures are included in the Sanitary Sewer component of the 2004 Annual Financial Plan.

60-30-098 Minor Unspecified Projects - Various Locations

Charge:	2004 Capital Program	
	Sanitary Extensions	\$21,000

Additional Information: This work order provides funding for the ongoing program of minor repairs and adjustments in the sewer system to ensure continuity of service to residents. Sufficient General Revenue funds are available and these expenditures are included in the Sanitary Sewer Utility component of the 2004 Annual Financial Plan.

60-32-105 Drainage Improvements (Burnaby's share) - Various Locations

Charge:	2004 Capital Program	
	Storm Drainage	\$44,000

Additional Information: The 2004 Capital Budget includes provision for cost-sharing with private development to eliminate short sections of open ditch beyond development sites. The program takes advantage of the development process in providing a cost-effective solution for upgrading the City's public works infrastructure. Sufficient General Revenue funds are available and these expenditures are included in the Storm Drainage component of the 2004 Annual Financial Plan.

60-32-117 Miscellaneous Storm Drainage Improvements - Various Locations

Charge:	2004 Capital Program	
	Special Roads	\$42,700

Additional Information: A work order is raised annually to provide funding for the ongoing program of storm drainage improvements to alleviate potential flooding. The program consists essentially of catch basin installations and other miscellaneous minor works to address specific problem areas as identified. Sufficient General Revenue funds are available and these expenditures are included in the Storm Drainage component of the 2004 Annual Financial Plan.

60-09-076 Special Roads - Minor Unspecified Projects - Various Locations

Charge: 2004 Capital Program
Special Roads \$22,000

Additional Information: A work order is raised annually to provide funding for an ongoing program of roadworks including chip walks and retaining walls at various locations. The program consists essentially of miscellaneous minor works to address specific problem areas as identified. Sufficient General Revenue funds are available and these expenditures are included in the Special Roads component of the 2004 - 2008 Provisional Capital Program.


DIRECTOR ENGINEERING

AAS:dh

cc: Director Finance

