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**TO:** CITY MANAGER **DATE:** 2006 October 10

**FROM:** DIRECTOR ENGINEERING

**SUBJECT:** BYRNE CREEK STORMWATER MANAGEMENT STUDY

**PURPOSE:** To seek funding approval for the development of an Integrated Stormwater Management Plan (ISMP) for the Byrne Creek watershed.

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**RECOMMENDATION:**

1. **THAT** Council authorize expenditures of \$200,000 from the Gaming Reserve Fund for the development of an Integrated Stormwater Management Plan for the Byrne Creek watershed, as outlined in this report.

**REPORT**

The Byrne Creek watershed is located within the South Slope region of Burnaby and is approximately 957 ha in size. In addition to its main stem, this watershed includes several smaller drainage catchments including the Nelson Creek, Hollis Creek, John Matthews Creek systems. The land use in the watershed consists predominately of single and multi family residential development and parkland with significant commercial and light industrial activity. Valuable environmental resources are present, particularly within the creek systems, and pressures on these resources are ever increasing with the growing population and development activity.

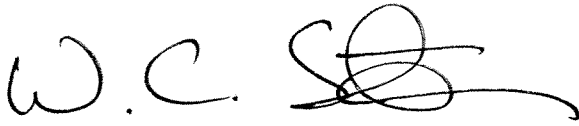
The Byrne Creek ISMP project will set out how the resources within the watershed should be managed to balance land development, stormwater management with environmental protection, preservation and enhancement. Green space, stream corridors and economic considerations will also be incorporated in the study to provide a holistic and integrated outlook to ensure the long term health and success of this watershed. The guiding principles of the stormwater management policy adopted by Council will be used as the foundation of this study.

A key deliverable of the ISMP will be to outline an implementation strategy and monitoring program needed to address current deficiencies and to mitigate any environmental impacts of future growth in the watershed. It is expected that this study will complement the stream enhancement works done by the City and local stream keepers in the watershed.

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From: Director Engineering  
Re: Byrne Creek ISMP

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Total cost of the study, including disbursements, is estimated at \$200,000. These expenditures are included under the Storm Drainage component of the 2006 Annual Financial Plan and sufficient Gaming Reserve Funds are available to complete this assignment.

Handwritten signature of W.C. Sinclair, consisting of the initials 'W.C.' followed by a stylized, cursive signature.

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

AAS:cg

Copied to: Director of Finance