
TO: CHAIR AND MEMBERS
PARKS, RECREATION & CULTURE COMMISSION

FROM: DIRECTOR PARKS, RECREATION &
CULTURAL SERVICES

SUBJECT: CONFEDERATION PARK STORMWATER MANAGEMENT

RECOMMENDATIONS:

1. **THAT** the expenditure of \$250,000 from the Annual Financial Plan for the project outlined in this report be approved.
2. **THAT** Council be requested to bring down a bylaw to appropriate \$261,680 (inclusive of GST) from Capital Reserves to finance these projects.

REPORT**BACKGROUND**

Confederation Park is 101 acre District Park site in North Burnaby. The park offers a large forested component north of Penzance Drive and a multi-use recreation based program to the south of Penzance Drive (Attachment #1).

This well used park has been developed incrementally over the years and continues to have park features redeveloped to meet current safety standards and the recreation demand of the community residents. Most recently the spray park and playgrounds have been rebuilt to meet Ministry of Health safety standards.

Parks Operations have brought forward a long standing concern of stormwater management in the park. The underground pipe capacity has been overtaxed and during large rain events it is not adequate. In addition, mass water flows through the park and into Rainbow Creek has caused erosion over time. To address these issues and upgrade the stormwater management system, a stormwater management review will be undertaken to measure water flow coming into the park from the surrounding residential zones, define the capacity deficit and outline the best management options for future reconstruction.

To: Parks, Recreation & Culture Commission
From: Manager Parks Planning, Design and Development
Re: Confederation Park Water Stormwater Management
System

..... Page 2

STORMWATER MANAGEMENT PLAN

The Stormwater Management plan is intended to provide clear direction for the future redevelopment of the park. The Work would include:

- Mapping of existing drainage infrastructure
- Assessment of the functionality of the existing system
- Options for green infrastructure to increase source control, including best locations of infrastructure to respect and work in harmony with active recreation zones

TIMING

The storm water management study would begin in 2015 with site assessment, surveys, watershed assessment and storm water measurements. The park's recreation use plan will be layered onto the review to inform where future possible improvements would be possible. The implementation of the plan would begin with minor above ground improvements in 2015 and major pipe replacements in 2016 -2018.

RECOMMENDATION

Sufficient Capital reserves are available to begin the study and works improvements in the 2015 Annual Financial Plan. It is recommended that Council be requested to bring down a bylaw to appropriate \$ 261,680 (inclusive of GST) from Capital reserves to finance these projects.



DAVE ELLENWOOD

HE:tc

Attachment

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CONFEDERATION PARK

October 2014