

2000 July 20

**TO:** CITY MANAGER

**FROM:** DIRECTOR PARKS, RECREATION & CULTURAL SERVICES

**SUBJECT:** DEER LAKE PARK DEVELOPMENT: FESTIVAL LAWN SERVICES

**PURPOSE:** To request Council to bring down a bylaw in the amount of \$250,000 (exclusive of 7% GST) from Capital Reserves to design and construct the power and water services to support outdoor events at Deer Lake Park festival lawn.

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**RECOMMENDATION:**

1. THAT a bylaw in the amount of \$250,000 (exclusive of 7% GST) be brought forward from Capital Reserves to design and construct the power and water services to support outdoor events at Deer Lake Park festival lawn.

**REPORT**

At its meeting of 2000 July 19, the Parks, Recreation and Culture Commission received the attached report and adopted the two recommendations contained therein. Appearing elsewhere on the same Council Agenda is a Capital Reserves bylaw.



Kate Friars  
PARKS, RECREATION  
AND CULTURAL SERVICES

tc

Attachment

c:\data\Council Reports\PK-Deer Lake Park Development - Festival Lawn Services

- cc: Director Planning and Building  
Director Finance  
Chief Building Inspector  
Deputy City Manager-Corporate Services  
Acting City Solicitor

**SUBJECT: DEER LAKE PARK DEVELOPMENT: FESTIVAL LAWN SERVICES**

**RECOMMENDATIONS:**

1. THAT approval be granted for the installation of a power supply at the southerly end of the festival lawn for stage lighting, sound systems and miscellaneous house loads for special outdoor events at Deer Lake Park festival lawn, and for power and water distribution kiosks on the concession plateau adjacent to the Shadbolt Centre as outlined in this report.
2. THAT Council be requested to bring down a bylaw in the amount of \$250,000 (exclusive of 7% GST) from Capital Reserves to design and construct the power and water services to support outdoor events at Deer Lake Park festival lawn.

**REPORT**

**BACKGROUND:**

In 1999 Council considered the development of the festival lawn at Deer Lake Park as a possible Millennium Capital Legacy Project as part of the Year 2000 Burnaby celebrations. This area of the park, south of the Shadbolt Centre for the Arts is referenced in the Deer Lake Park Management Plan as the key site for outdoor festival and event activity in the precinct and it is included in the management plan as the area to be enhanced for hosting small or large seasonal events.

Council and Commission also reviewed the proposal as articulated by the consulting team of Hotson Bakker Architects and Durante Kreuk Ltd. in the 1999 August report titled "Deer Lake Park Concert Bowl Feasibility Study". This report surveyed the site development options to accommodate major events in a cost-effective manner, while maintaining the park space for passive park users between events and during the remainder of the year. Research concluded that a priority to reduce set-up costs was the installation of a permanent 600 ampere 120/208 volt 3 phase power supply (400 amps for stage lighting and 200 amps for sound systems) and a 100 ampere house service near Deer Lake south of the Shadbolt Centre for the Arts. This is the area where temporary stages and stage canopies are constructed for occasional events such as outdoor musical concerts, festivals and other performances.

In 2000 January, Council approved in principle the construction of a Millennium Garden and renovations and enhancements to the grounds surrounding the City Hall building including significant improvements to the City Hall public courtyard as the designated Millennium Capital Legacy Project, rather than the proposed enhancements of the festival lawn at Deer Lake Park.

It was concluded that the festival lawn enhancements could proceed in the regular scheduled implementation of the Deer Lake Park Management Plan approved by Parks, Recreation and Culture Commission and City Council in 1999. This would occur over several years based on plan priorities and available resources. In addition to the supply of power to the staging area, the plan includes the enhancement of water and power services to the concession lawn area immediately south of the Centre where these portable concession services are located for special events in the park such as major concerts, the annual Vancouver Symphony Orchestra performance, and Discovery Days.

In 2000 March the consulting team of Robert Freundlich and Associates was engaged to provide a preliminary design/ feasibility study for power supply options for the festival lawn and some preliminary cost estimates prior to proceeding to the detailed design and construction phases. This includes both the power supply to the staging area and to the concession lawn. In addition, a preliminary estimate has been received for the provision of a water distribution service for service providers in the concession lawn area.

#### **PRELIMINARY DESIGN AND COST ESTIMATES:**

For power services the to festival lawn staging area, two options were considered.

One considered the use of the existing power transformer in the Shadbolt Centre and adding related transformers needed for providing the service to the festival lawn. However, this option is estimated to cost nearly \$283,500, which is nearly \$85,000 more than the preferred option.

The second and preferred option involves BC Hydro installing a separate service for power to the festival lawn. Buried cables would be installed in the park from the Shadbolt Centre for the Arts to a point near the staging area where a small BC Hydro pad mounted 225 kVA transformer would be located. The estimated cost for this option is approximately \$200,350. BC Hydro would own and maintain the main transformers. This is the preferred option. (See Attachment #1).

The estimated cost for the provision of water distribution service to mobile concession stands at the concession lawn area is \$10,000. Water would be supplied from a 1.5 inch insulated line from the Centre's mechanical room, with a back flow preventer, through the parkade and underground for 300 feet, terminating in a concrete box with a manifold of ten 3/4 inch hose bibs. This water supply would be activated for seasonal event use only, as would the new electrical service to this area.

**CONCLUSION:**

With appropriate taxes and contingency allowances included, it is estimated that the detailed design and construction work will cost \$250,000. It is further estimated that once approved, work could commence in August for completion prior to the end of 2000, thereby minimizing the disruption to the park and allowing for prompt re-seeding of the relevant lawn areas. The new services will be fully operational for the 2001 special event and festival season.

Sufficient Capital Reserves are available and this project is included under the 2000 Deer Lake Park component of the 2000-2004 Annual Capital Program.

It is recommended that approval be granted for the construction of the power and water supply services to the festival lawn at Deer Lake Park as outlined in this report. It is also requested that Council bring down a bylaw in the amount of \$250,000 (exclusive of GST) to finance this project.

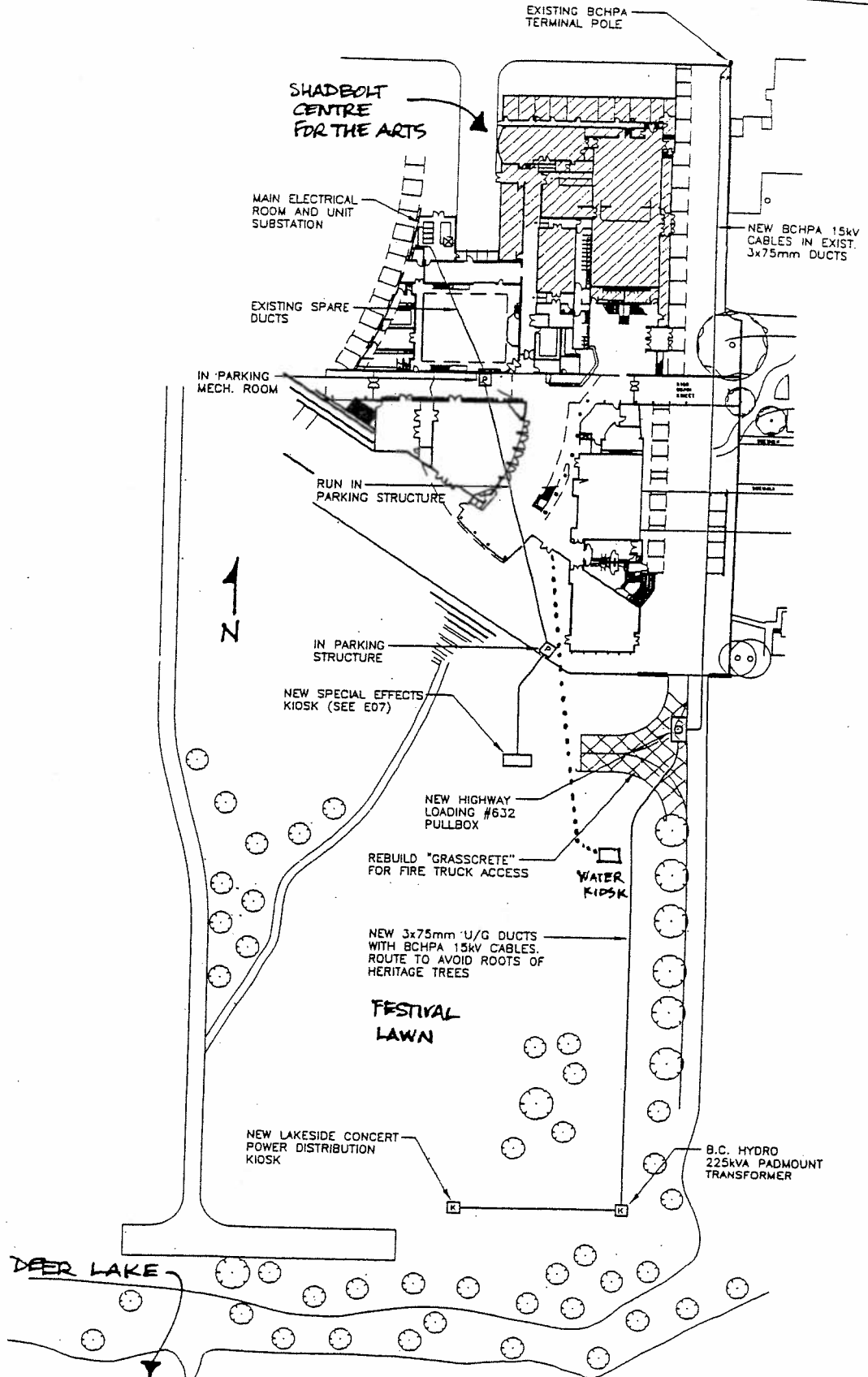
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Attach.

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cc: Director Planning and Building  
Director Finance  
Chief Building Inspector  
Deputy City Manager-Corporate Services  
Acting City Solicitor

ATTACHMENT #1



**Robert Freundlich & Associates Ltd.**  
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Project No. 620-20001

DEER LAKE CONCERT  
POWER SUPPLY  
SITE SERVICES PLAN  
SCHEME A

Scale:	DATE:	DESIGNED:	DRAWING NO.:
NONE	04.04.00	JOL	E01

