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**TO:** CITY MANAGER **DATE:** 2015 February 20

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

**SUBJECT: BURNABY LAKE SPORTS COMPLEX - WEST - FIELD #2  
REPLACEMENT FUNDING BYLAW**

**PURPOSE:** To obtain funding approval for the replacement of Field #2 at Burnaby Lake Sports Complex - West

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**RECOMMENDATIONS:**

1. **THAT** Council approve the capital expenditure of \$1,300,000 from the Provisional Capital Budget for the project outlined in this report.
2. **THAT** Council authorize staff to bring down a bylaw to appropriate \$1,360,748 (inclusive of GST) from Capital Reserves to finance the Burnaby Lake Sports Complex – West Field #2 replacement project.
3. **THAT** a copy of this report be sent to the Parks, Recreation & Culture Commission for information.

**REPORT****Background**

Field #2 (Attachment #1) at Burnaby Lake Sports Complex - West was installed in 1999 as part of a larger installation of the first three artificial fields in the City of Burnaby. All three fields were surfaced with a polyfibre carpet with sand and rubber infill product that has since seen improvements in the industry. The expected lifespan of the turf was 10 years and the warranty for the product performance was 8 years. Overall the fields have performed well. However after 16 years in use, the carpet is now worn through, and progressive compaction has created a very hard landing surface for players. For these reasons a long-term strategy for replacement of all three fields was devised.

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## **Replacement Strategy**

The replacement of the original three fields was determined by the recreation programs delivered on each field and the availability of alternate accommodation of the various sports elsewhere while reconstruction was underway. Through discussions with the sport user groups and reworking of the allocation allotments, it was determined the best strategy would be replacement of the fields one at a time and the order would be Field #1, then Field #3 and finally Field #2.

Field #1 was replaced in 2010. Field #3 and the warm-up field were replaced in 2011 and Field #2 is to be replaced in 2015, subject to Parks, Recreation & Culture Commission and Council approval.

## **Field #2 Replacement Project**

Field #2 will be an infill synthetic turf surface designed primarily for multisport use including field hockey, soccer and field lacrosse. Field hockey requires a shorter carpet length with surface to facilitate a faster ball roll speed. This cannot be achieved on a longer carpet filament with sand and rubber infill as seen on typical soccer fields. In order to support Burnaby field hockey practices, games and tournaments, a shorter infill carpet with a shock pad is proposed. This turf will also continue to accommodate soccer and field lacrosse use.

Through the reconstruction process, the old turf will be peeled off, the substructure will be excavated to allow for a shock absorbing elastic layer, and finally the new turf will be rolled out, stitched and glued in place. The project will also include an upgrade to shade shelters over the players' benches and minor fence repairs.

The cost for the replacement field is similar to replacement cost for a dedicated soccer field. To deliver a dedicated wet down field for field hockey an additional cost of \$430,000 would be required. With current player numbers at a relative low the additional costs are not warranted. However, as player numbers rise (as expected with this new carpet), the Parks, Recreation & Culture Commission and Council may choose to revisit the creation of a new dedicated wet down field within the Burnaby Lake Sports Complex - West in the future.

## **Time Line**

The objective is to complete the reconstruction of Field #2 and have it back in operation for the 2015 fall season. The timeline for the project is outlined below:

Completion of tender package	February 28
Tender and analysis	March 31
Council approval and award of contract	April 27
Re-construction period	May – August
Re-opening	September 01

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**Summary**

Sufficient Capital Reserves are available to complete the above project in the 2015-2019 Provisional Financial Plan. It is recommended that Council bring down a bylaw to appropriate \$1,360,748 (inclusive of GST) from Capital Reserves to finance the Field #2 re-construction project.



Dave Ellenwood  
DIRECTOR PARKS, RECREATION & CULTURAL SERVICES

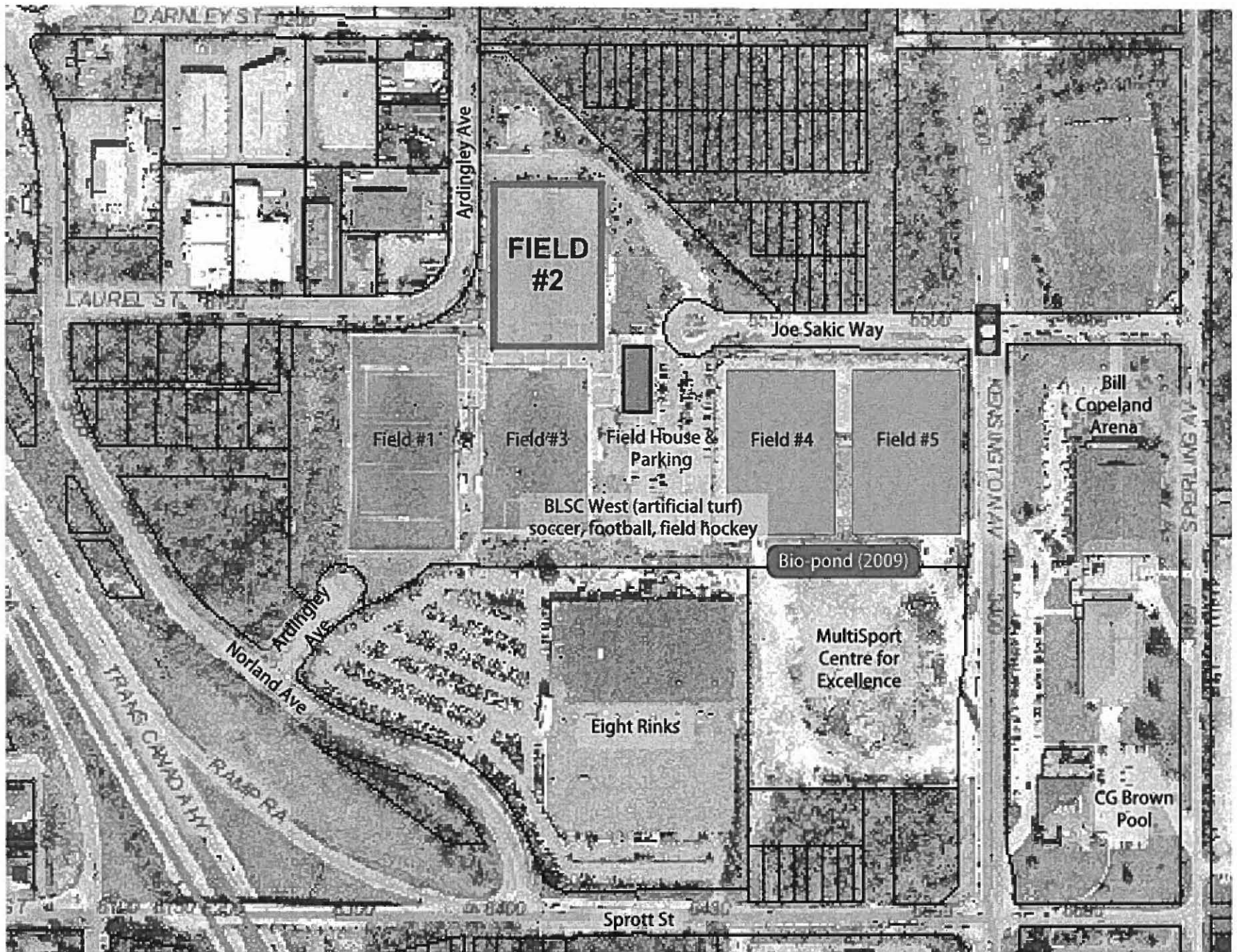
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**Attachment**

p:\admin\tc\data\wp\he\reports\Burnaby Lake Sports Complex - West - Field #2 Replacement Funding Bylaw (2015.03.02)

cc: Director Finance  
City Solicitor





Burnaby Lake Sports Complex West ~ Field #2 Turf Replacement (NTS)

