



**City of Richmond**

**Report to Committee**

*To General Purposes - May 15, 2006*

**To:** General Purposes Committee  
**From:** Dave Semple, Director of Public Works & Parks  
Mike Redpath  
Manager, Parks Programs, Planning & Design

**Date:** May 5th, 2006  
**File:** 03-1000-20-T.2824 &  
03-1000-20-T.2820

**Re:** Award of Contract T2824 - Supply and Installation of an Artificial Turf Sports Surface System, and Contract T2820 - Supply & Delivery of the Base Construction Materials for Hugh Boyd Park

**Staff Recommendation**

1. That Contract T.2824 for the Supply and Installation of an Artificial Turf Sports Surface System at Hugh Boyd Park be awarded to the lowest compliant bidder, Field Turf Inc. at the Total Tendered Amount of \$1,380,124.52 including GST.
2. That Contract T.2820 for the Supply and Delivery of Base Construction Materials (sand, gravel and artificial turf sports fields permeable aggregates) be awarded to Lafarge Canada Inc. at the unit prices quoted for a total estimated amount of \$399,031.20 including GST.

Dave Semple,  
Director of Public Works & Parks

Mike Redpath  
Manager of Parks Programs, Planning and Design

Att. 1

FOR ORIGINATING DIVISION USE ONLY					
<b>ROUTED TO:</b>		<b>CONCURRENCE</b>		<b>CONCURRENCE OF GENERAL MANAGER</b>	
Budgets .....		Y <input checked="" type="checkbox"/> N <input type="checkbox"/>			
Purchasing.....		Y <input checked="" type="checkbox"/> N <input type="checkbox"/>			
<b>REVIEWED BY TAG</b>		YES	NO	<b>REVIEWED BY CAO</b>	
		<input checked="" type="checkbox"/>	<input type="checkbox"/>		

**Staff Report****Origin**

At the December 19th, 2005 Council meeting, in response to the report: Richmond Soccer Alliance Field Sport Proposal and Artificial Turf Installations (Nov.17, 2005, File No. 06-2345-01, REDMS No. 1673973), the following resolution R05/21-20 was approved:

*“That Option 1A and 1B (as detailed in the report dated November 17<sup>th</sup>, 2005 from the Director of Parks Operations) be endorsed for future artificial turf field upgrades in Richmond, and that Council commit to four fields by 2008, as per the Richmond Soccer Alliance Field Sport Proposal.*

*That staff prepare a capital submission to implement Option 1A for Council consideration as part of the 2006 capital program year for \$2,750,000.*

*That staff prepare a contribution agreement with the Richmond Soccer Alliance to formalize their offer of up to \$250,000 as a community capital contribution towards artificial turf field improvements in Richmond.”*

As part of this report, Staff were directed to upgrade the existing sports fields at Hugh Boyd Park to an artificial sports field complex consisting of two full size soccer fields and two mini soccer fields that will also accommodate a high school football practise field. The approximate size of the fields combined is 24,000 square metres (6 Acres).

Community contributions received to date are \$160,000 from the various Richmond Soccer Alliance groups for the overall agreement towards their commitment of \$250,000 for this project per the 5 Year Financial Plan (2006 – 2010) Bylaw 8068.

In April 2006, Contract Tender T.2824 was issued for the supply and installation of an artificial turf sports surface system and Contract Tender T.2820 for the supply and delivery of the base construction materials for Hugh Boyd Park (Site Map Attachment 1).

The purpose of this report is to present the tender results and recommend award of the supply and installation of a synthetic in-filled turf field and for the supply and delivery of the base construction materials (sand, gravel, and specialty sports permeable aggregates).

**Analysis**

Tenders for Contract T. 2824 – Supply and Installation of Artificial Turf were received on April 27, 2006 as follows:

<b>Tenderer</b>	<b>Base Bid Product</b>	<b>Alternative Product Options</b>
Field Turf Inc.	<b>\$1,380,124.52</b> (FTOM-1S)	Nil
Mondo Inc.	<b>\$1,308,518.00</b> (Turf Classic)	\$1,677,276.00 (Ecofill) \$1,510,746.00 (Performance)
Les Installations Sportives Defargo Inc	<b>\$1,353,015.00</b> (Powerblade 38) plus \$18,000.00 for insured warranty and \$6500 for maintenance equipment Total <b>\$1,377,515.00</b>	\$1,428,155.00 (Powerblade 44)

Tenders were reviewed against the evaluation criteria of financial, product and corporate capacity as detailed in the tender documents. The financial criteria include the costs of supply and installation.

The evaluation for product performance includes criteria for turf field shock absorption. This ability is measured with a Gmax rating with the lower the number the greater impact absorption ability. The tender specifications call for a minimum Gmax rating of less than 125. The tender also called for bidders to submit independent laboratory testing identifying the Gmax rating of their bid product. The low bid product by Mondo Inc failed to meet the required Gmax rating.

The bid submission for the product Powerblade 38 from Les Installations Sportives Defargo Inc was accompanied by the independent testing laboratory results for their higher bid product. Powerblade 44. The tenderer asserts that the Gmax rating between the two products is the same.

Staffs understanding of the differences between the Powerblade 38 and Powerblade 44 is that Powerblade 38 product has less depth of sand and rubber infill than the Powerblade 44 product. As such, and without an independent laboratory confirmation of the Gmax rating for the Powerblade 38 product, staff did not consider the Powerblade 38 product compliant. The alternate bid of the Powerblade 44 product shows the value for a product which better meets the tender requirements, however at a greater cost.

The evaluation criteria area of corporate capacity addresses the tenderers previous contracts and capability to carry out installations with specific reference to installations of the product bid.

Mondo America Inc. has completed three installations in Canada since 2005 with all of their installations based on their higher bid product, not their base bid product as required.

The new product line Sportex Inc. of Les Installations Sportives Defargo Inc., formerly known as Astro Turf and once a dominant player in the artificial turf market, have not installed their base bid product anywhere since the firms inception this year.

Field Turf Inc. has met the tender specifications and bid submission requirements and are the lowest compliant bidder with recent installations in Minoru Park in 2002 and at Richmond High Secondary School in 2005.

Based on Field Turf Inc.'s FTOM-1S artificial turf product being the lowest compliant bidder and their history of successful installations, staff recommends them for award of this contract.

### **Contract T.2820**

Contract T.2820 Base Construction Materials was posted on the City's and BC Bid Website with two companies responding for this highly specialized product. Tenders were received on April 27, 2006 as follows:

<b>Tenderer</b>	<b>Total Tendered Amount</b>
Lafarge Canada Inc.	\$399,031.20
Mainland Sand & Gravel Ltd.	\$451,705.80

May 5<sup>th</sup>, 2006

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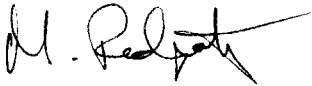
Both products from Lafarge Canada Inc. and Mainland Sand & Gravel Ltd meet all specifications and tender requirements of Contract T.2820. Subsequently, the lowest total tendered amount from Lafarge Canada Inc. is recommended for award.

### **Financial Impact**

The total cost to the City for the two contract awards as recommended, is \$1,662,762.35, (\$1,380,124.52 for the turf and \$399,031.20 for the base materials less GST which is included in the base bid amounts). This amount is available in the projects funding.

### **Conclusion**

Contracts T.2824 and T.2820 deliver an additional artificial turf sports field complex within Richmond to better cope with the needs of both local and visiting field sports groups. The recommended contract awards to the lowest responsive and responsible bidders are well within the project budget.



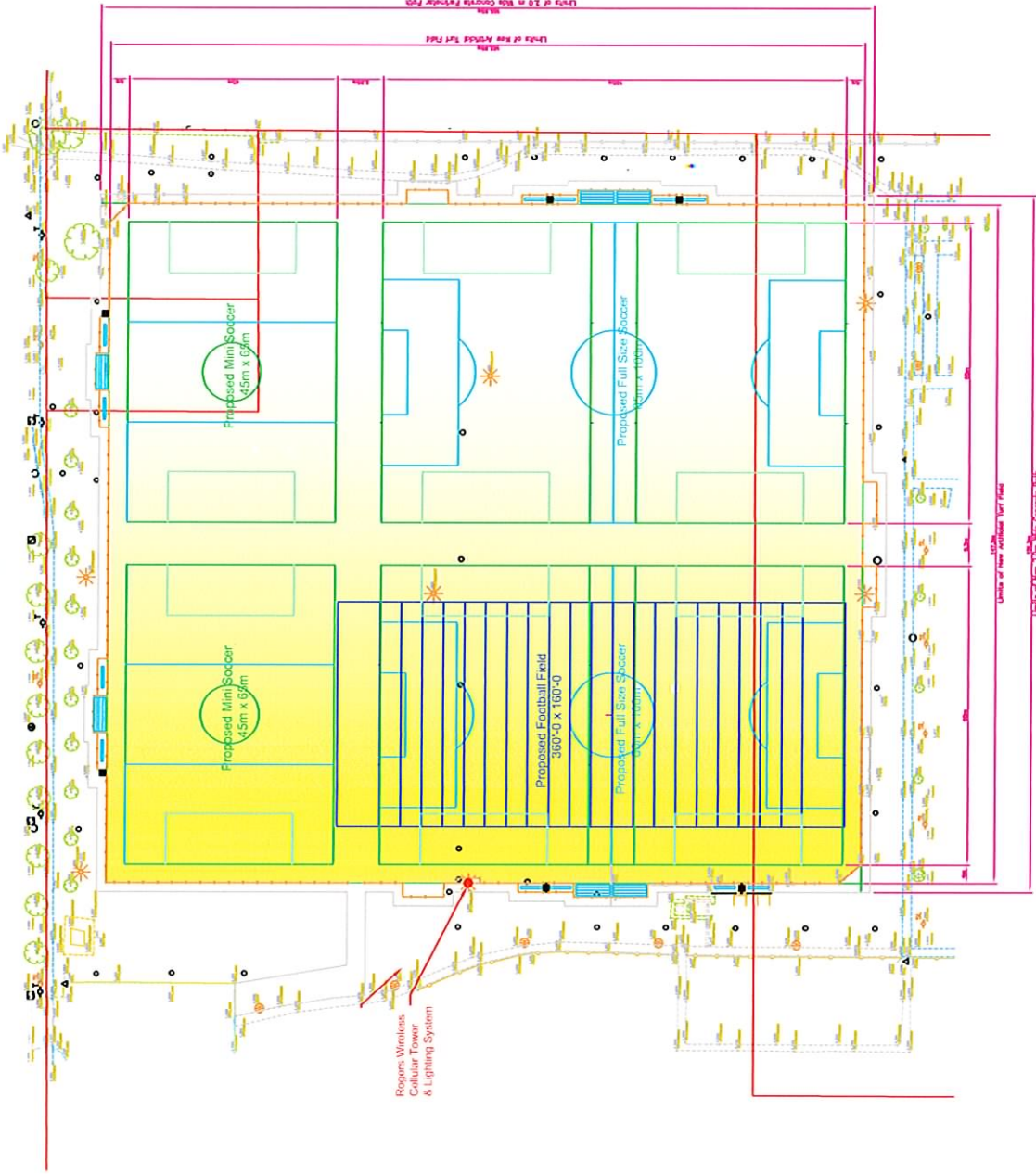
Mike Redpath,  
Manager, Parks Programs, Planning & Design



Marcus Liu,  
Parks Engineering Technologist

FRANCIS ROAD

Artificial Turf Area 23,969m<sup>2</sup>  
 New Sandfield Area 79,009m<sup>2</sup>



PITCH & PUTT



Hugh Boyd Synthetic Turf Sportsfields  
 Appendix B

PROJECT NO.	23,969m <sup>2</sup>
CLIENT	Richmond City Council
DATE	11/20/18
DRAWN BY	PA 651
CHECKED BY	
SCALE	AS SHOWN
SHEET NO.	8

NO.	DATE	BY	DESCRIPTION

**REVISIONS**

NO. DATE BY DESCRIPTION

1. 11/20/18 PA 651 INITIAL DESIGN

**REMARKS**

ALL DIMENSIONS ARE TO CENTER UNLESS OTHERWISE NOTED.

DATE: 11/20/18

BY: PA 651

FOR: RICHMOND CITY COUNCIL

**DISCLAIMER**

THE DESIGNER OR ENGINEER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND AUTHORITIES.

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