

Date: May 1, 2008



**TO:** Board Members – Vancouver Park Board  
**FROM:** General Manager – Parks and Recreation  
**SUBJECT:** Andy Livingstone Park Artificial Turf Replacement

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## RECOMMENDATION

- A. THAT subject to Recommendations B, C and D, the Board enters into a contract with Athletica Sport and Recreation Design Inc. in the amount of \$45,000.00 plus GST, for sports field design services for the replacement of the artificial turf at Andy Livingstone Park as detailed in this report.*
- B. THAT the contract be on the terms and conditions outlined in this report and on such other terms and conditions as are approved by the General Manager of the Park Board in consultation with the Director of Legal Services.*
- C. THAT upon approval of the contract by the General Manager of the Park Board in consultation with the Director of Legal Services, the General Manager of the Park Board be authorized to execute the contract on behalf of the Board.*
- D. THAT no legal rights shall arise hereby, and none shall arise until execution of the contemplated contract, and the Board reserves the right to rescind this resolution at any time up to the execution and delivery of the contemplated contract by the General Manager of the Park Board.*

## POLICY

Consultant contracts over \$30,000 are awarded by the Board.

## BACKGROUND

The present turf was installed in 1995. Over the course of the last thirteen years the turf has shown signs of stress as well as settlement problems resulting in deformation of both playfield surfaces.

The turf underwent minor repairs during the late autumn of 2004 with the view to keep both fields operating over the winter. In 2005 as it was apparent that more repairs were deemed necessary. A decision has been made to replace the turf. In 2006 the Park Board hired Levelton Engineering to determine what was causing the settlement and what should be done to remediate it. Levelton examined past reference documentation and provided potential solutions so that replacement options could be analyzed.

The existing field turf is knitted polypropylene with a 35 mm elastic layer (e-layer). The seams are sewn and some have been glued during repair work. The fields are constructed over a 40 mil thick polyethylene membrane which is covered with one (1) metre of sand. The sand layer was used as preload for a period of one year prior to installation of the fields. There is a granular base layer over the sand on which a rubberized elastic layer (e-layer) has been placed. The carpet is glued to the e-layer.

## **DISCUSSION**

The services of an engineering or sports field design specialist are required to provide a full drawing and specification tender package for the replacement of the existing artificial turf on two fields at Andy Livingstone Park.

The objectives of the project using reference materials provided by the Park Board are to design a new artificial turf surface system, including the re-grading of the granular base layer for Andy Livingstone Park, prepare a full set of working drawings complete with tender documents and oversee the installation of the new artificial surface at the park. The Park Board wishes to complete the project without disruption to the protective, environmental cap and to meet the objectives of minimizing settlement in the future. As noted in the reports, the existing conditions of the fields include drainage and sub-base which are assumed to be remaining. There are field lights as well at the park which will also remain in their present condition.

The scope of work will involve review of all documentation including but not limited to the Levelton Report and existing construction drawings/specifications for the fields. The consultant will meet with both the Park Board Operation's staff as well as field users if required. The selection of the type of turf will be determined based on settlement considerations in the future. The selection of the field surface and infill material would also be informed by our current review of potential health risks associated with some of the materials used in artificial fields. The consultant will provide working drawings, specifications, a tender package, construction field review services, as-built drawings, minutes of all meetings and documentation related to progress payments to the construction contractor as required.

## **SUMMARY**

Pursuant to a Request for Proposals, staff recommend that the consultant contract for the design of the Andy Livingstone Park Artificial Turf Replacement project be awarded to Athletica Sport Design Inc. for the sum of \$45,000.00. Funds are available for this amount.

Prepared by:  
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CBL