

ITEM	11
MANAGER'S REPORT #	20
COUNCIL MEETING	96/07/22

TO : CITY MANAGER                                  DATE: 1996 JULY 18  
FROM : DIRECTOR RECREATION AND CULTURAL SERVICES  
SUBJECT : **DEVELOPMENT OF SPORTS FIELDS IN BURNABY LAKE SPORT  
COMPLEX WEST OF KENSINGTON**  
PURPOSE : To provide an update on the status of the filling, and an outline of the  
environmental guidelines and monitoring work implemented.

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**RECOMMENDATION:**

1. THAT this report be received for information purposes.

**REPORT**

At its meeting of 1996 July 17, the Parks and Recreation Commission received the attached staff report on the above subject and adopted the recommendation contained therein.

  
DENIS NOKONY  
ACTING DIRECTOR RECREATION  
AND CULTURAL SERVICES

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Attachment

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cc: Director Engineering  
Director Planning & Building  
Chief Environmental Health Officer

**SUBJECT: DEVELOPMENT OF SPORTS FIELDS IN BURNABY LAKE SPORT COMPLEX  
WEST OF KENSINGTON**

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**RECOMMENDATION:**

1. THAT a copy of this report be forwarded to Council.

**REPORT**

**BACKGROUND**

At the meeting of 1996 June 05, the Commission approved a report recommending that Council be asked to approve an expenditure bylaw for \$70,000 to assist with the placement of 17,000 cubic meters of fill originating from the new arena, to the cleared land west of Kensington for possible future sports field development. Funding is also to be used to undertake a number of environmental, hydrological and geotechnical studies in support of the development of designs for future sports field development within the area.

Council, at the meeting of 1996 June 10, approved the recommendation and requested that a progress report be submitted half way through the work. Council also sought assurances that the work would be monitored by geotechnical, hydrological and environmental consultants.

The purpose of this report is to provide an update on the status of the filling, and an outline of the environmental guidelines and monitoring work implemented.

**PROGRESS REPORT ON FILLING**

To date, approximately one-third of the 17,000 cubic meters of fill has been transported to the disposal location. All fill material has been placed on previously cleared land in an area of approximately 80 meters by 110 meters and stockpiled 2 meters deep in preparation for future park development.

Prior to the placement of fill, an assessment of the site was undertaken by a geotechnical engineering firm familiar with the area. The following specific instructions were given to prevent ground failures and disruption of groundwater flows:

- all fill should be set back 10 meters from the edge of current fill zone
- all fill should be placed in one meter lifts, up to 2.5 meters high
- fill placement should be monitored for movement.

The fill placement has been monitored by the geotechnical engineer. As a result of following the guidelines, no ground failures have occurred.

**SPORTS FIELDS - BURNABY LAKE SPORTS COMPLEX**

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No evidence of interruption of ground flows is present. Interruption of ground flows from placement of the fill was not a concern to the consulting engineer since the groundwater is currently already at the surface and the site is relatively flat with very slow groundwater movement. Some small localized minor disruptions in surface water may occur, however, this is unlikely since there is already a drainage ditch nearby. Minor perimeter ditching can be undertaken if this occurs.

Ground settlement and interruption to groundwater flows will continue to be monitored throughout completion of the filling operation. Additional environmental safeguards will also be implemented if required, although to date these have not been necessary. This includes supplemental measures to prevent siltation and dust control.

A preliminary environmental overview of the area was conducted as part of the overall sports field planning process. There were no significant wildlife concerns for stockpiling the fill since the area is denuded of vegetation.

Environmental Health have recently inspected the site to ensure the City is in full compliance with all appropriate regulations.

**PROGRESS REPORT ON SPORTS FIELD DESIGN**

Staff from Parks and Recreation, Planning, Engineering and Environmental Health are working to develop a revised concept plan for all lands west of Kensington which includes the provision of new sports fields to meet demand. This study will be supplemented with consulting expertise in geotechnical, hydrological and environmental assessments and guidelines to direct the development. A full concept and development strategy will be completed in September.

  
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cc: Director Engineering  
Director Planning & Building  
Chief Environmental Health Officer

