

4. Re: Renovations to Track and Field - Swangard Stadium
1973 Canada Summer Games
Guarantee of Field Drainage Conditions After Renovation

During recent discussions on the above subject, the question of a guarantee of the drainage condition of the field after the work has been completed was raised by several people. In an attempt to clarify this particular issue, the Municipal Manager met with Mr. Ron Davies of Ron Davies and Associates Limited and the attached letter of November 21, 1972, from Mr. Davies is the result.

As stated previously, this project will be split into four separate contracts:

1. Earthwork, site preparation, drainage and miscellaneous structures - Completion date March 2, 1973.
2. Track Base and Levelling Course - Completion date March 23, 1973.
3. Track Surface - Completion date May 4, 1973.
4. Landscaping - Completion date July 15, 1973. (To be started no later than April 3, 1973.)

In order to ensure that the existing drainage system will be protected and that it will function properly after the field renovation work has been completed, the following clause has been included in both the Earthwork, Site Preparation, Drainage and Miscellaneous Structures Contract and the Landscaping Contract:

"Continuity of Existing Drainage System"

As previously described, a herringbone pattern drainage system exists under the present field and is to remain intact during and after completion of the work of this contract. Before starting work on the field area, Contractor shall dig a bell hole at each branch drain terminal around the perimeter of the field to expose each branch drain. He shall then check the continuity of each branch drain (checking for broken tiles or sections of line, etc.) and shall report the condition of each branch to the Engineer so that the condition of all existing drainage system components can be assessed before work is started to remove crown of field. After removing crown of field and after all his field work is completed this Contractor shall again check the continuity of each branch drain in the presence of the Engineer. Any sections of drain which have been broken or displaced during the course of the Contractor's work shall be replaced and/or repaired to the satisfaction of the Engineer. Finally, Contractor shall clean all drain branches with a mechanical drain cleaning device ("Roto-Rooter" or other approved similar device) to assure branches are clear of all roots, silt build-up and other foreign matter. Bell holes to be left open and backfilled by others.

In order to avoid damage to the existing drainage system during removal of field crown, Contractor shall use only tracked earth-moving vehicles (no rubber-tired vehicles) on the work area of the field and shall drive no trucks on the field."

To check the drainage characteristics of the field after re-building, the Consultant (Ron Davies and Associates Limited) has agreed to have a series of on-site tests taken prior to the placing of sod in sufficient number by an agronomist to ensure that the composition of the base material for the new field meets the specifications and should perform properly. This will be done to make sure that there is no

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"cementing" of the sand and soil mix. Copies of these tests results will be supplied to the Municipality. The Consultant will also take a series of on-site tests or "cores" at various locations on the field prior to any construction activity on the field to adequately determine the composition and condition of the existing field. Copies of these test results are also to be made available to the Municipality, and both Vancouver and Burnaby Parks staff are also to be present at the time that all tests are taken.

RECOMMENDATION:

THAT a copy of this report item be sent to the Central Park Committee, Vancouver Parks Board, Vancouver City Council, Burnaby Parks and Recreation Commission, Canada Summer Games Society and Mr. D.A. Manning, New Westminster City Administrator.

Ron Davies & Associates Ltd.

RECREATION & ATHLETIC CONSULTANTS

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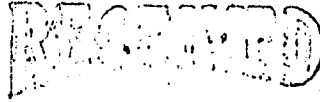
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AREA CODE 604
TEL. 922-0536
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November 21, 1972



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MUNICIPAL MANAGER'S
OFFICE

Corporation of the District of Burnaby
Municipal Hall
4949 Canada Way
Burnaby 2, B.C.

Attention: Mr. M.J. Shelley, P.Eng.
Municipal Manager

Subject: Guarantee of Field Conditions, Swangard Stadium
After Rework Required for 1973 Canada Summer Games
(New Westminster - Burnaby)

Gentlemen:

We submit this letter in reply to a request from your Mr. Shelley regarding guarantee of playing field conditions at Swangard Stadium after rework of the field to meet the requirements of the 1973 Canada Summer Games Society (New Westminster - Burnaby).

We herewith guarantee that the drainage of the field and the field surface conditions will not be any worse after the rework than they are at present and there is every possibility that they will be better providing, of course, that a regular and routine field maintenance program is carried out as is the case at the present time.

We cannot unconditionally guarantee that field conditions will be better after rework because we were not involved in, nor did we have responsibility for, the original field design or installation. However in our specifications for the rework we have followed the recommendations of Dr. Roy Goss which he submitted to you in report tendered in the summer of 1972 and which was modified by him slightly in verbal communication with us as regards the depth of roto-tilling. The seed mix specification was provided by the Vancouver Parks Board.

Rework will consist of removing the crown of the existing field, aerifying and roto-tilling to break up the existing soil and sand mix which will still remain after the crown is removed and then top dressing with a 75% - 25% sand and sawdust mix. The field will be finished by sodding and seeding. The existing field drainage system will not be reworked at all, only modified slightly at the south end as required because of the work on the running track. The existing drainage system will be checked for continuity and free flow during the course of the rework to assure that it is undamaged.

Having stated that we will guarantee that field conditions will be no worse than they are at present we wish to submit, for the record, as documentation of "present conditions", photographs and press clippings which clearly show and/or indicate what the "present conditions" are, especially at certain times of the year. These data are presently being assembled and will be forwarded to you not later than November 24, 1972.

Very truly yours,

RON DAVIES & ASSOCIATES LTD.

A handwritten signature in dark ink, appearing to read "R. Davies".

R. Davies, President