

The Corporation of the
City of Burlington

November 30, 1984

City Hall:
426 Brant Street, Burlington, Ontario, Canada
Mailing Address:
P.O. Box 5013, Burlington, Ontario, Canada L7R 3Z6

Telephone:

File No.:

Mr. George Woodburn, Manager
Solid Waste Management

Dear George:

You may recall my comments at the Landfill Advisory Committee that I was not completely satisfied with Gartner-Lees response to the seepage/leachate springs matter.

Further to this matter please find enclosed four photographs taken by Hans Kreplin on November 24 and supplied to me by Sid Chumley.

Photo 16 indicates heavy erosion which should be seriously looked at.

Photo 17 indicates some housekeeping which should be looked at.

Photos 18 and 19 indicate a puddle or seepage spring with an oily substance. I believe this should also be looked at and tested.

I would appreciate if Regional Staff as well as Gartner and Lee and Dillon look at these matters. If you wish to confirm specific locations please be in touch with Hans Kreplin or Sid Chumley.

Also I understand that Gartner Lee will be contacting Eco Plans to determine exact locations of the springs they located.

I would appreciate your comments and a report back to me as well as the Landfill Advisory Committee.

Thank you.

Yours sincerely,

A. Fitzgerald

per

Walter Mulkewich
Alderman
Ward 1

WM/lf

cc: Alderman Cowman
✓ Sid Chumley
Hans Kreplin

Inter Office Memorandum
CITY ADMINISTRATOR'S OFFICE

TO: Chairman and Members of the
Solid Waste Management Committee

FROM M. Boggs, C.A.O.

DATE: December 12, 1984

SUBJECT: Bayview Landfill Site--Concerns
of West Burlington Citizens' Group

Mayor Bird recently referred to me a letter from Mr. S. Chumley, representing the West Burlington Citizens' Group, expressing a number of concerns about the condition of Bayview Park. Mr. Chumley's letter of December 5, 1984 is attached, along with photocopies of photographs that were submitted with his letter.

I have investigated Mr. Chumley's concerns with staff of the Recreation Services Department and can inform you as follows:

- (1) Mr. Chumley refers to park gates being removed at the south entrance and also an interior gate. These are left open to allow public access to the park. The Park's north entrance is closed during the winter months to stop through traffic as the interior road is used as a cross country ski trail.
- (2) The refuse dumped at the south west corner of the park is the City's compost pile where we recycle organic refuse from the parks. The odd time, a member of the public sneaks a load of household refuse into this area of the park which is periodically removed by City staff to the proper landfill site.
- (3) From time to time, especially following heavy rain, plastic garbage bags are exposed by erosion in several locations on the east side of the interior roadway, the side of the road on which all surface drainage water travels (south). The roadway is the only means by which drainage can take place. In the spring eroded silt and stone is graded back onto the roadway and swale. Sixty tons of limestone are then placed on these sections and the problem is solved until late fall when the problem rises once again. This erosion problem has been the subject of many discussions, but there is no way an inground drainage sytem can be constructed as household garbage is too close to the surface, and with ongoing settlements, asphalt or half metal culvert open drains would be continually breaking up.
- (4) The equestrian competition rings are furrowed every 12', by plough, each fall. The purpose of this is to drain the surface water off the rings to the creek which allows faster drying of the surface in the spring. Furrowing is a surface method of drainage where

Cont'd.....

pipe-like drainage is impossible. Another advantage in removing surface water by this method is to alleviate water percolation into the garbage thus reducing leachate flow. *(if the cap is not perforated!)*

In the south ring garbage was disturbed when the furrowing took place. On Tuesday, December 11th, 1984 all exposed material was removed and the problem areas filled and leveled. The furrow that is shown as holding water was filled and graded to allow run-off and reduce seepage.

- (5) Picture #7, showing erosion is actually the creek bed that runs through the park. This creek is the west branch of the Rambo and drains a large area from the escarpment, south to King Road. This was a major source of erosion and garbage exposure until the former creek bed was filled with concrete rubble and regraded. Surface erosion is still evident but the problem of garbage exposure has been eliminated. The construction of weirs on this watercourse would slow the water flow down during storms as the gradient from North to South is 56' of fall. *(not done!)*

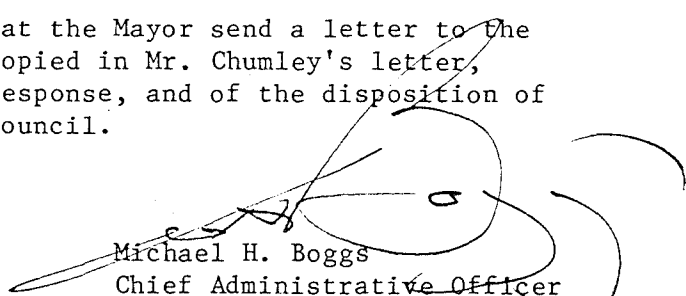
- (6) Leachate monitoring stations are installed at this south end of the park.

It would appear from this information that the furrowing of the rinks in the fall is the only matter on which some remedial action may be necessary on the part of the City. It may be the case that ease of surface runoff through furrowing, is more than offset by ease of infiltration through the "cap" of the closed landfill. I suggest that we refer the question of the advantages and disadvantages of furrowing to the representative of Conestoga-Rovers who will be in attendance at your meeting on December 14, 1984.

I have taken the liberty of making a copy of this memo available to Mr. Chumley in advance of your meeting. He and Mr. Hans Kreplin, also of the West Burlington Citizens' Group, are registered as delegations. Upon reviewing the City's response to the group's concerns, they may decide that it is not necessary to put Mr. Kreplin through what we understand to be the considerable inconvenience of taking time off work to attend the meeting.

In closing, I would like to suggest that the Mayor send a letter to the Minister of the Environment, who was copied in Mr. Chumley's letter, informing him of the essence of this response, and of the disposition of this matter by your Committee and by Council.

MHB/gv
1857u
Attach.


Michael H. Boggs
Chief Administrative Officer

595 Kingswood Place,
Burlington, Ontario.

December 1, 1984

The Corporation of the City of Burlington
P.O. Box 5013
Burlington, Ontario L7R 3Z6

Attention: Mayor Roly Bird

Dear Sir:

Re: Bayview Landfill Site

The purpose of this letter is to draw your attention to the deterioration of the cover of the above site, formerly known as the Burlington landfill site closed in 1970 or 1971.

A visual inspection, made November 15, 1984 following some rain, found findings that are unacceptable according to the guidelines laid out by the Ministry of the Environment for the Halton Region site in 1984, in order to protect closed landfill sites and the environment.

Some of the findings are:

- 1) in approaching the landfill site on King Road north of the Service Road a short distance past the Rifle Range building just at the top of the first small hill, the gate has been taken off and a road put in over the landfill site from east to northwest to allow parking for the Quarter Horse Club; in addition, halfway from the entrance off King Road to the parking area for the Quarter Horse Club, another gate has been taken off as well.
- 2) About 1,000 ^{YARDS} ~~years~~ in from the entrance off King Road, another road runs off the main road to the south end of the landfill site and at the end of it there is considerable refuse that has been dumped there.
- 3) At the junction of these two roads there is a culvert under the main road - there is a great deal of erosion at this point and along the east side of the road to the south there is exposed garbage in many places.
- 4) The north section of the Bayview landfill site, which is used for competitions, there are two large areas for the horses to perform.

A total of 26 deep furrows gouged into them, to a depth of 18-20 inches deep were found. The result is heavy soil erosion at the west end of these two areas and in many places the furrows have been gouged right into the garbage, leaving it exposed - this is mainly in the section to the south.

- 5) Some of the gouges had ice in them and when this was broken, there was an empty space of about 10 inches deep with no water - this would indicate that the water had seeped down into the garbage.
- 6) We are concerned because of the excessive amount of erosion on this site which would allow large amounts of surface and runoff water to penetrate into the landfill site - while this site was an operating garbage dump, it was not backfilled daily, consequently this could add greatly to the leachate problem.
- 7) Another concern is that of leachate getting into the Indian Creek system.

We would like to see the City of Burlington and the Ministry of the Environment take steps to investigate the situation and appropriate remedial action taken. A number of pictures were taken which we have taken the opportunity of enclosing.

We look forward to hearing from you at your earliest convenience.

Yours truly,

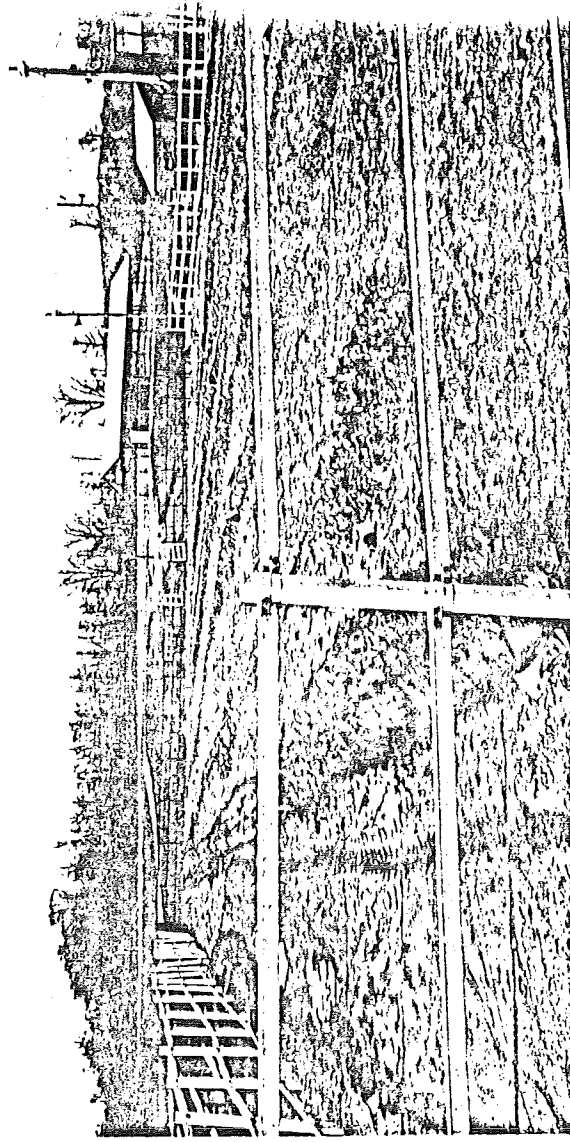
Sid Chumley, Chairman,
Solid Waste Management Committee,
West Burlington Citizens Group.

SC:dp

cc: Mr. A. Brandt, Minister of the Environment
Toby Vigod, Canadian Environmental Law Association
encl.



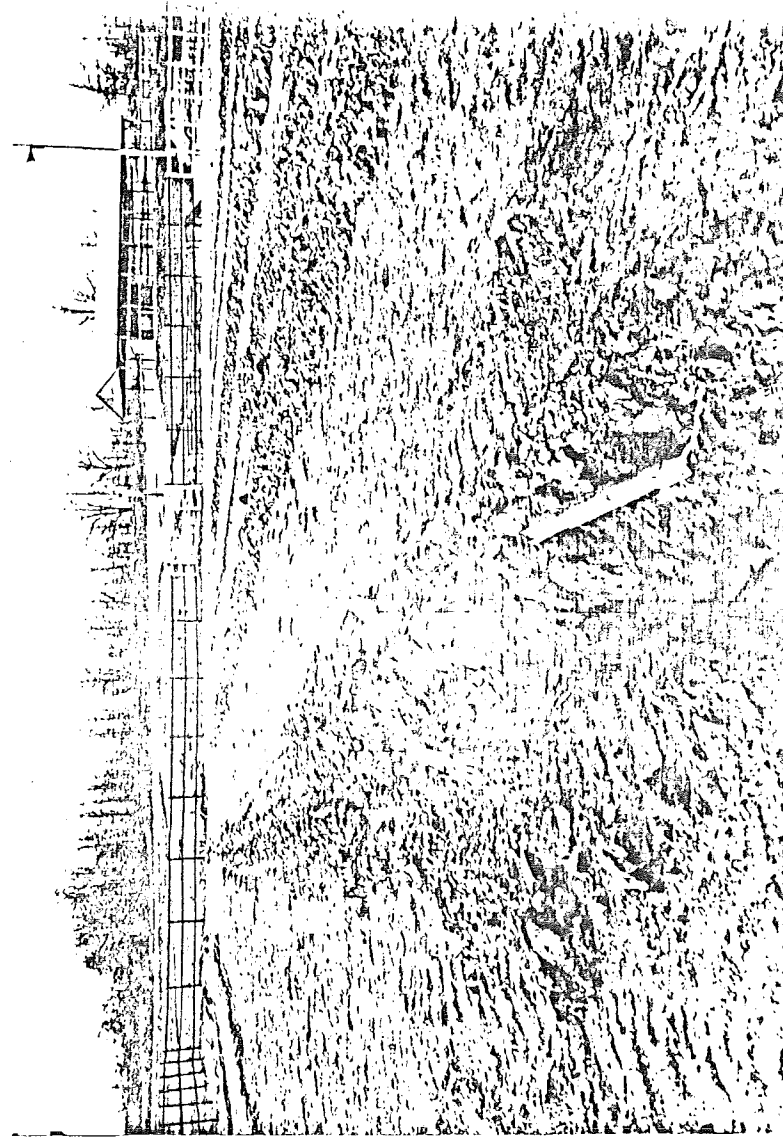
1. South
 10/11/1952
 expose
 garbage



2. South rink
 Furrow detail



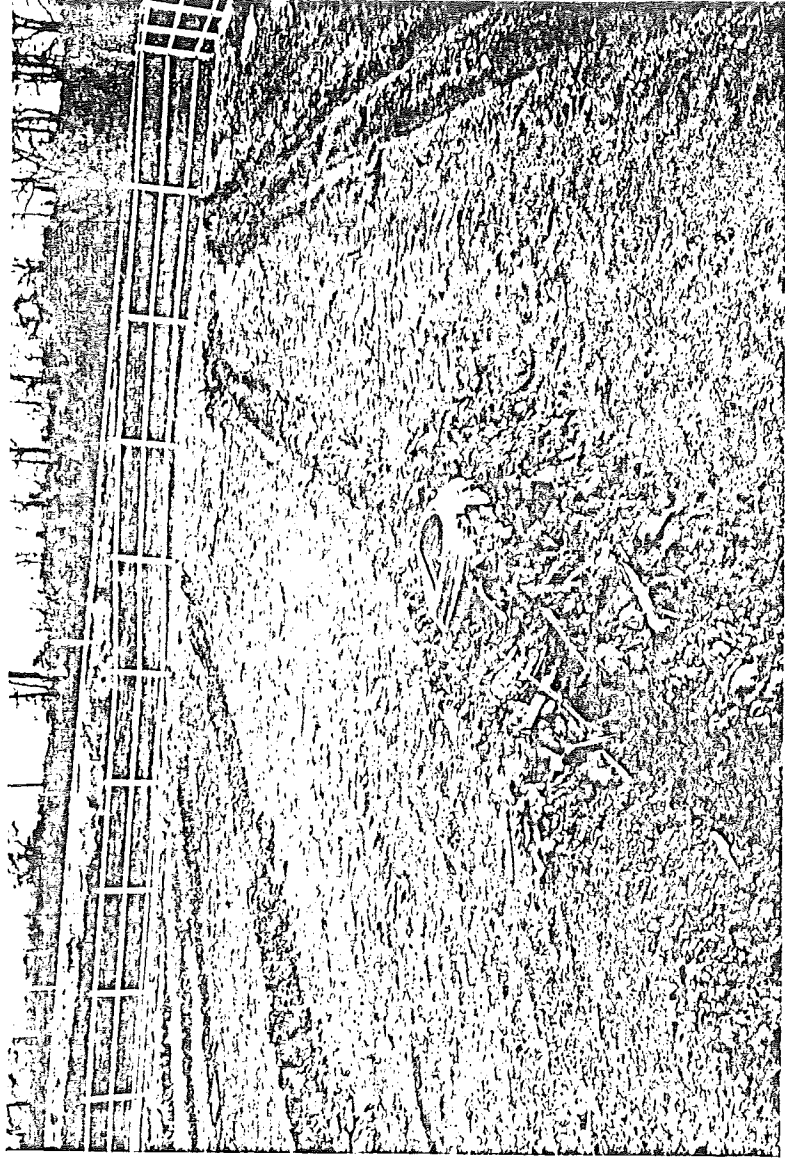
3. South rink
 Another detail
 incl. location



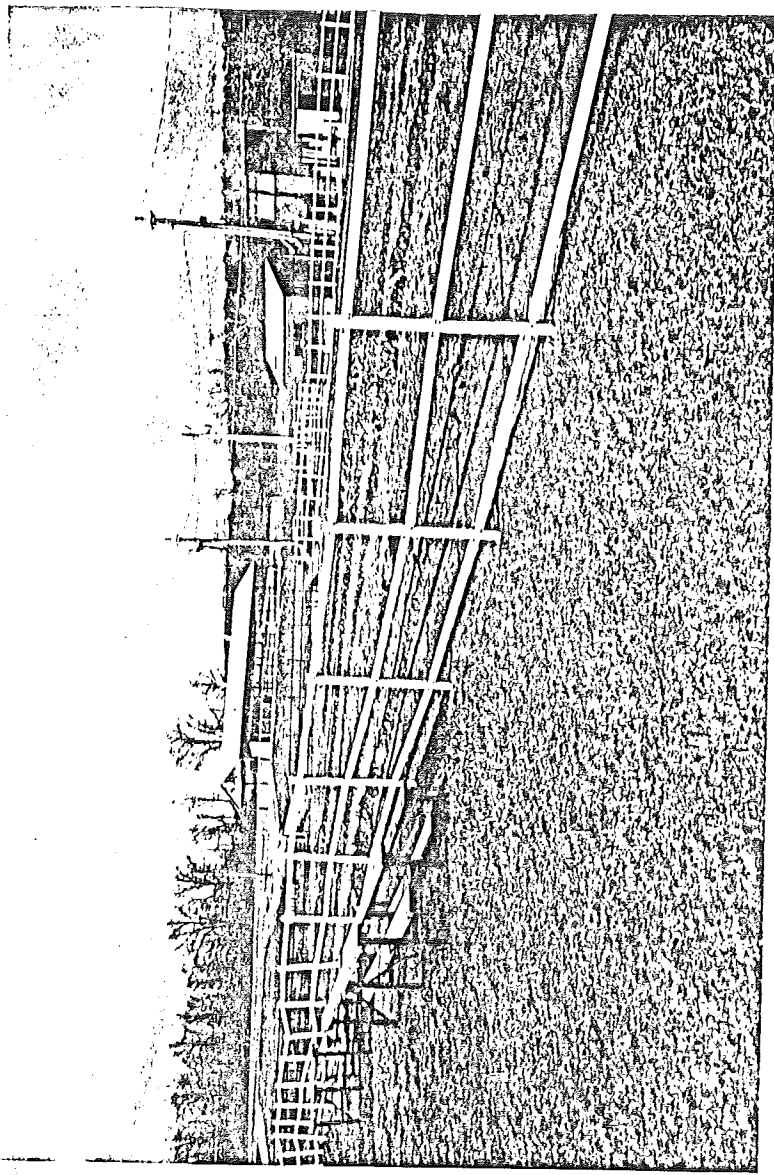
Dayview Park Nov. 17, '84

4. Garbage
exposed
by furrow
(South rink)

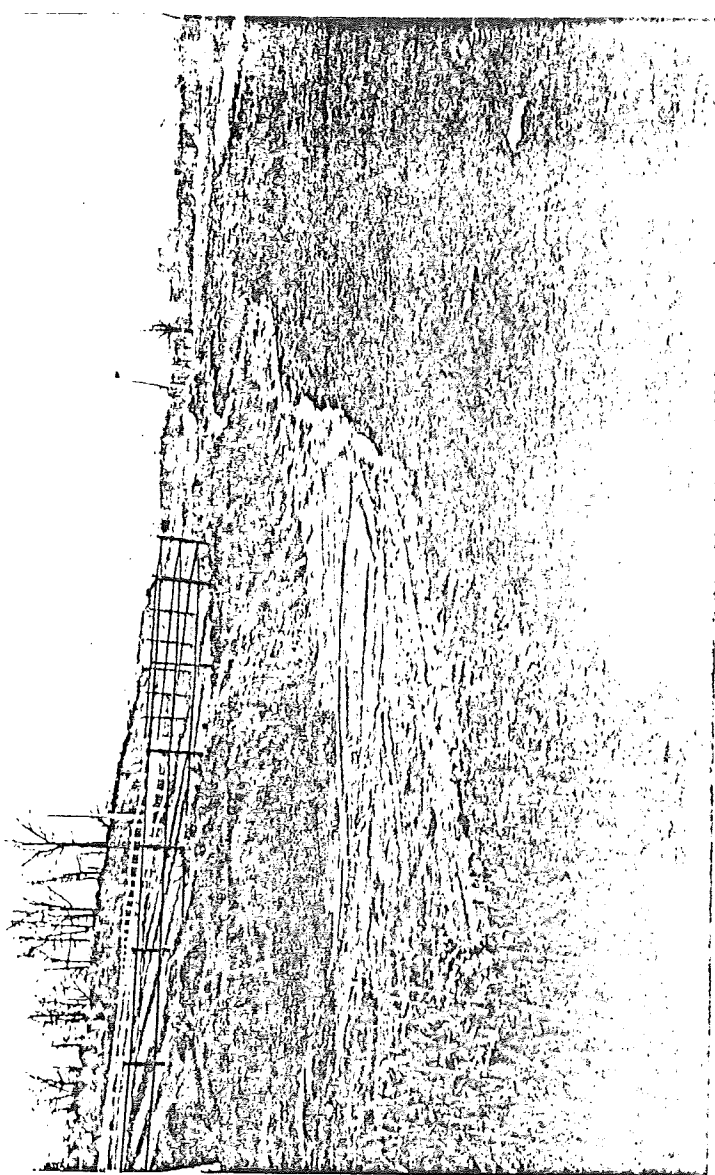
(#3 - rink 1)
to #3



6. South rink
grade below
original grade
of cap
(stop at fence)

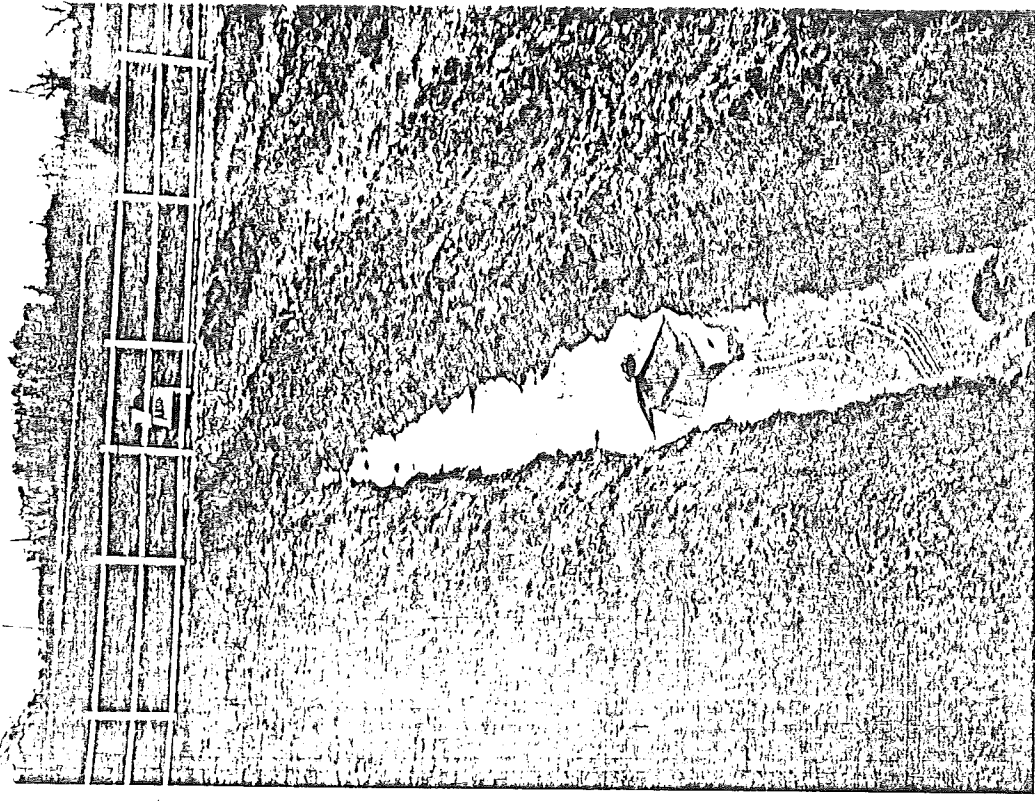


7. Erosion
at SW corner
of South rink

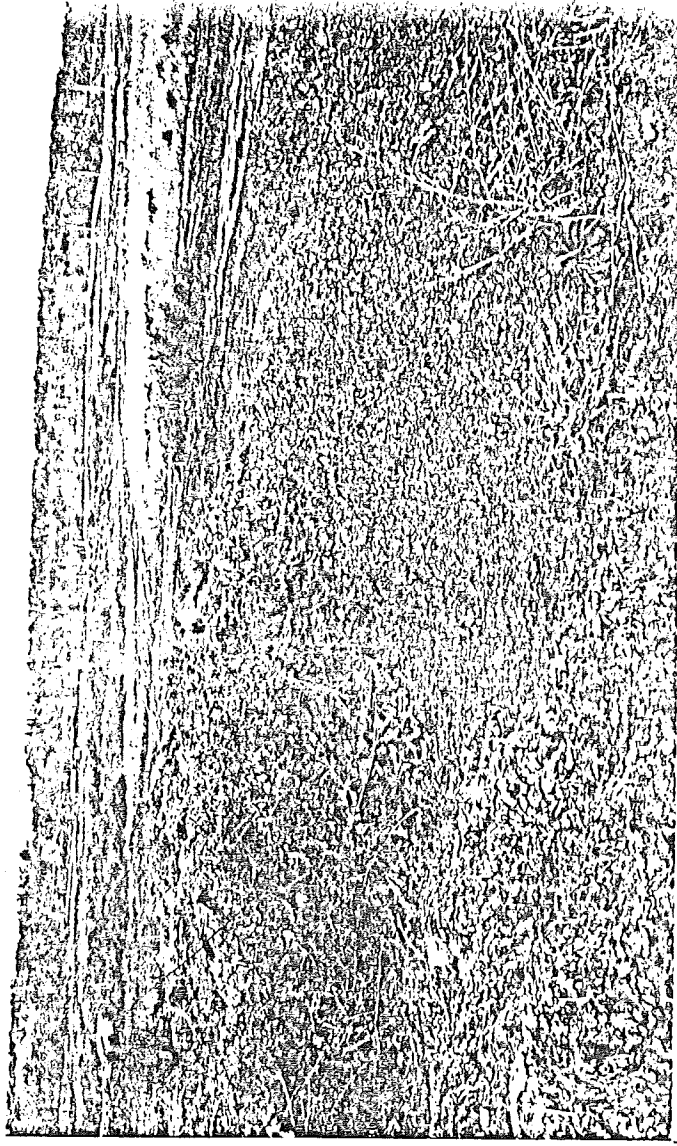


8. Joyview Park, Nov. 17, '84

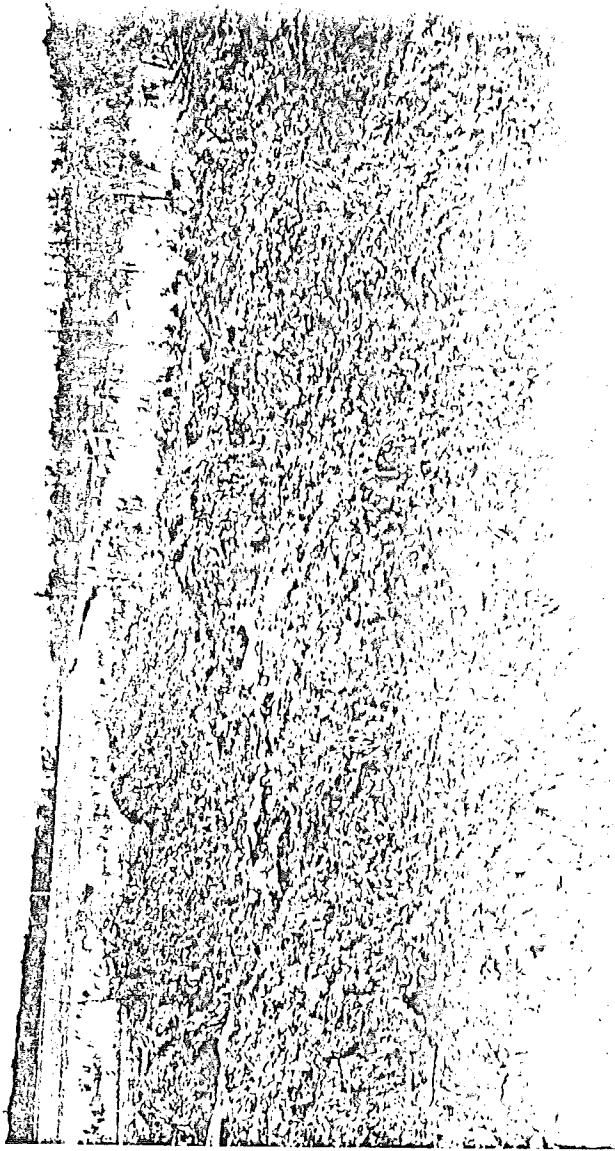
8. North rink
water infiltration
shown by water level
below night's ice cover
(Time approx. 10³⁰-11⁰⁰ am)



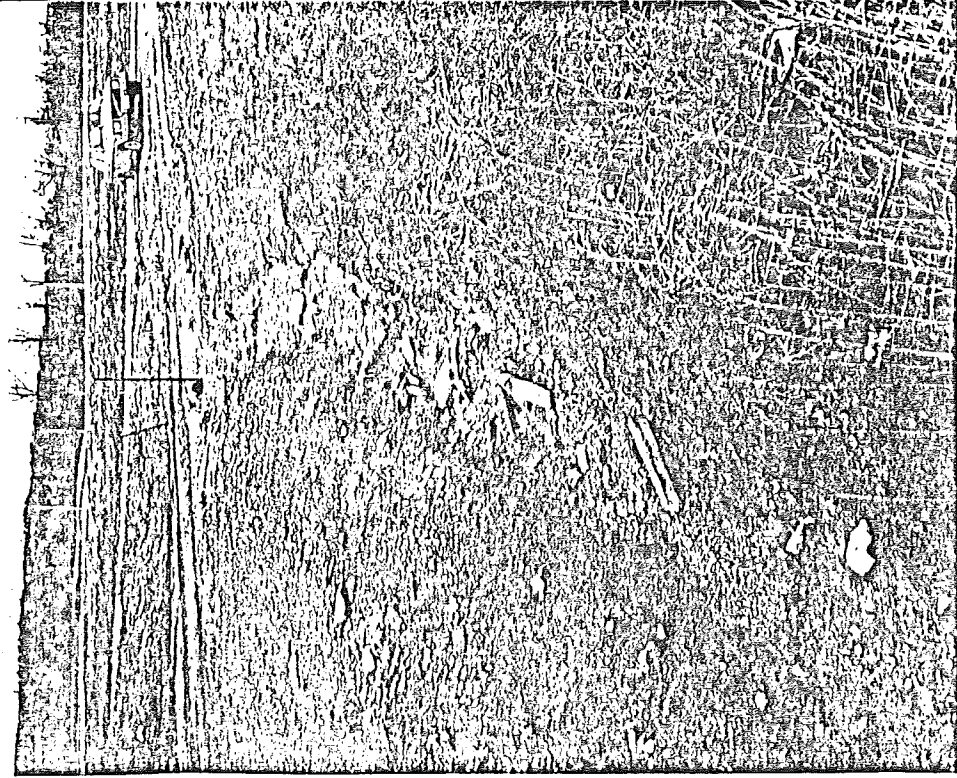
9. South edge
of Joyview -
leaves & slash
dumped there
(facing North)



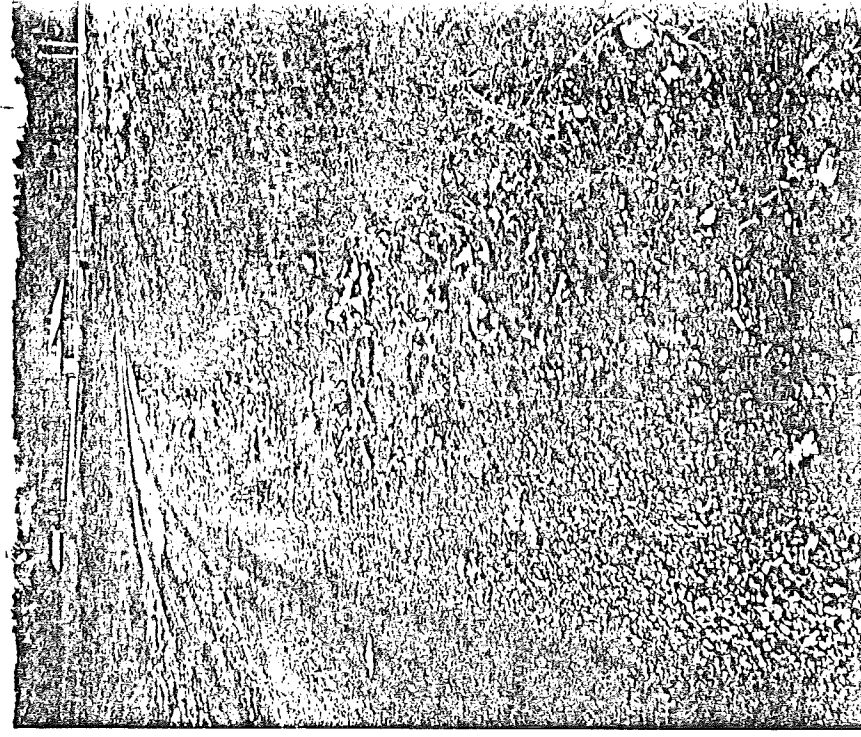
10. (as 9.)
facing East



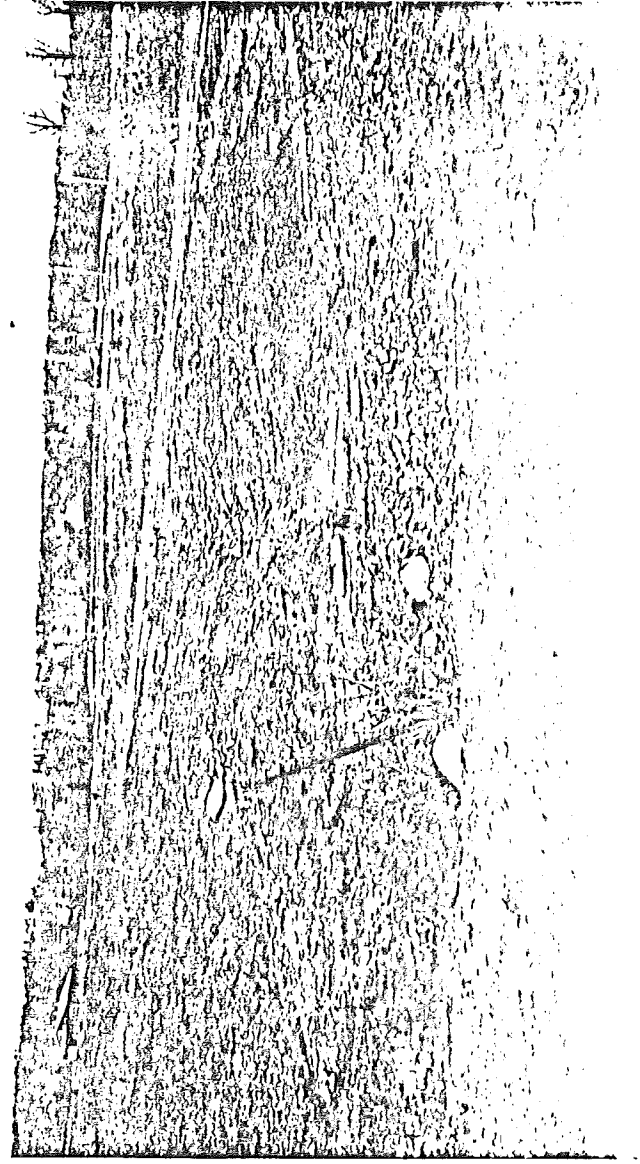
11. Landfill cap, Y junction
of roads: Erosion / collapse



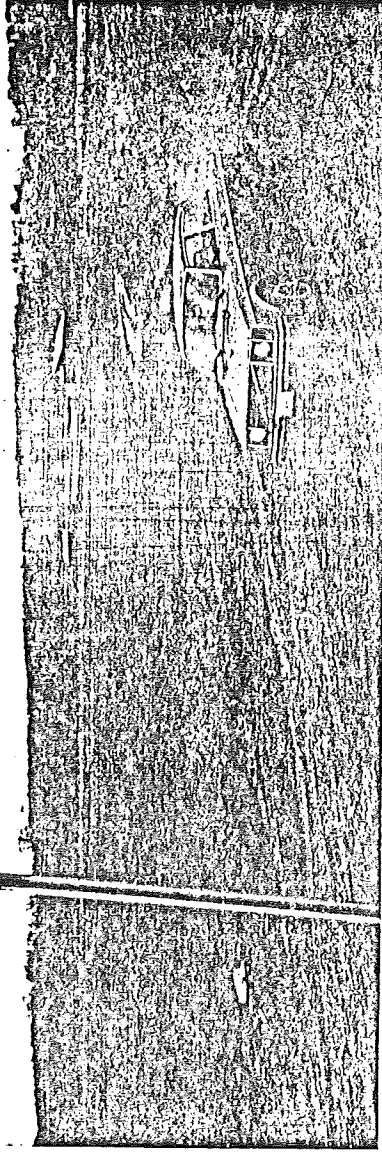
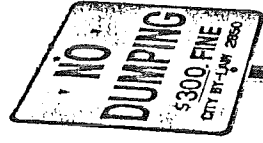
13. (As 11.), North of road junction



12. Erosion at Y junction of roads.
Note stony soil (infiltration)



14. Forlorne "NO DUMPING" sign at Y of roads



15. Road entrance (well used) is wide open
- from King Rd., N. of rifle range (not for rinks).

