

HALTON REGION'S AMENDMENT TO THE DEFINITION
OF THE UNDERTAKING - ENVIRONMENTAL
ASSESSMENT - SOLID WASTE MANAGEMENT SYSTEM
FOR THE REGIONAL MUNICIPALITY OF HALTON -
LANDFILL COMPONENT

ENVIRONMENTAL ASSESSMENT
No. 1-82-006-000

NOVEMBER 1986

THE REGIONAL MUNICIPALITY OF HALTON



THE REGIONAL MUNICIPALITY OF HALTON

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416/827-2151

OFFICE OF THE CHIEF
ADMINISTRATIVE
OFFICER

1986 11 25

Honourable James Bradley
Minister of the Environment
Suite 100
135 St. Clair Avenue West
Toronto, Ontario
M4V 1P5

Dear Mr. Minister:

Re: Environmental Assessment the Landfill Component of
Halton's Solid Waste Management System - Environmental
Assessment - 1-82-006-000 - Amendment to the Definition
of the Undertaking

In October of 1985, Halton submitted to you its Environmental Assessment of the Landfill Component of Halton's Solid Waste Management System. The Environmental Assessment consisted of the Environmental Assessment document and 47 schedules in support of that document.

Halton's Environmental Assessment made clear that a further level of study on two preferred landfill sites was being completed in support of an application under the Environmental Protection Act for a Certificate of Approval for a landfill site. ("Halton Region Landfill Technical Study").

During the course of the Halton Region Landfill Technical Study, additional information came to light in respect to Halton's waste quantities disposal needs, and in respect to the required site plan area boundaries for one of the sites being considered. This new information has come to light as a result of the more detailed site specific analysis study completed as part of the Halton Region Landfill Technical Study.

The new information obtained during the Halton Region Landfill Technical Study has led to the necessity for a redefinition of the Undertaking being proposed by Halton. That redefinition relates to the required site capacity and the site plan area boundaries.

Waste Quantities Projection and Site Capacity

On April 9, 1986, Council adopted the EPA Review of Waste Quantity Projections. This report updated and refined the projected waste quantities which had been identified in the November 1984 update of the waste quantities projections. The November 1984 update indicated a waste generation of 11.3 million cubic yards (5.6 million tons) which figure was used in defining Halton's Landfill Undertaking.

As a result of the April 1986 update and refinement, the projected waste quantities to be landfilled during the 20 year forecast period were adjusted to 4.2 million tons (Imperial tons). That waste estimate was translated by the Design and Operations consultants to a metric tonnage figure of 3.8 million tonnes and then converted in the Design and Operations Reports to a volume estimate of 7.96 million cubic metres based on a known compaction rate.

* Thus the total volume now necessary to be accommodated in Halton Region's Landfill Undertaking for the waste projection forecast period of 1988 to 2008 has been assessed at 7.96 million cubic metres assuming that the landfill operation will handle 100% of Halton's waste for the initial eight years of that forecast, and 50% of Halton's waste in the following twelve years.

Site Plan Areas

The Undertaking as defined in Halton's Environmental Assessment referred to the locations of landfilling as Site D and Site F, by reference to certain site plan maps.

During the Halton Region Landfill Technical Study, a detailed site analysis was conducted and was documented in the Design and Operations Reports for Site F and Site D. As a result of this detailed site analysis, a design and operations proposal was completed for both proposed Site D and proposed Site F, and the boundaries of the site plan area for Site F were modified for the following reasons:

- an area currently a part of the existing Regional landfill site has been included to avoid a depression that would require filling. This area is presently used as a discharge point for storm drainage from the present landfill site. This area is to be included as part of the site plan area and will be filled with waste, while the existing surface drainage is diverted to control run-off.

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- a narrow strip of land on the east side of the existing landfill site extending from the scalehouse to the depression described above has been included. This piece of land will be used to improve the existing storm drainage ditch and to locate the primary access road to the fill areas, as well as providing a small buffer zone between the two landfills.

- the existing access road, and weigh scales and an area around the existing service and bulk bin areas is included.

Amendment to the Definition of the Undertaking

In view of the findings of the Halton Region Landfill Technical Study please accept this as Halton's submission under section 7(3) of the Environmental Assessment Act of an amendment to the definition of the Undertaking being proposed by Halton in its Environmental Assessment for the Landfill Component of Halton's Solid Waste Management System. The precise wording of the amendment is attached under cover of this letter.

Yours very truly,

"Original signed by David Varley"

David Varley
Regional Clerk
DV:rad

cc. John Tidball, Ministry of the Environment,
Legal Services
Roger Clark, Ministry of the Environment,
Environmental Assessment Branch

SCHEDULE "A" to Report CAO 262/86

Definition of the Undertaking - Unamended

The original Undertaking for which the Regional Municipality of Halton seeks approval is defined in Halton's Environmental Assessment for the Landfill Component of Halton's Solid Waste Management System, October, 1985 on page S1 as follows:

"... to landfill in Halton 11.3 million cubic yards of solid waste, and to do so by one of two alternative methods:

- i) landfilling at the site commonly referred to as Site F in the City of Burlington, as set out in Map A, attached hereto, or
- ii) landfilling at the site commonly referred to as Site D in the Town of Milton, as set out in Map B, attached hereto."

Definition of the Undertaking - Amendment

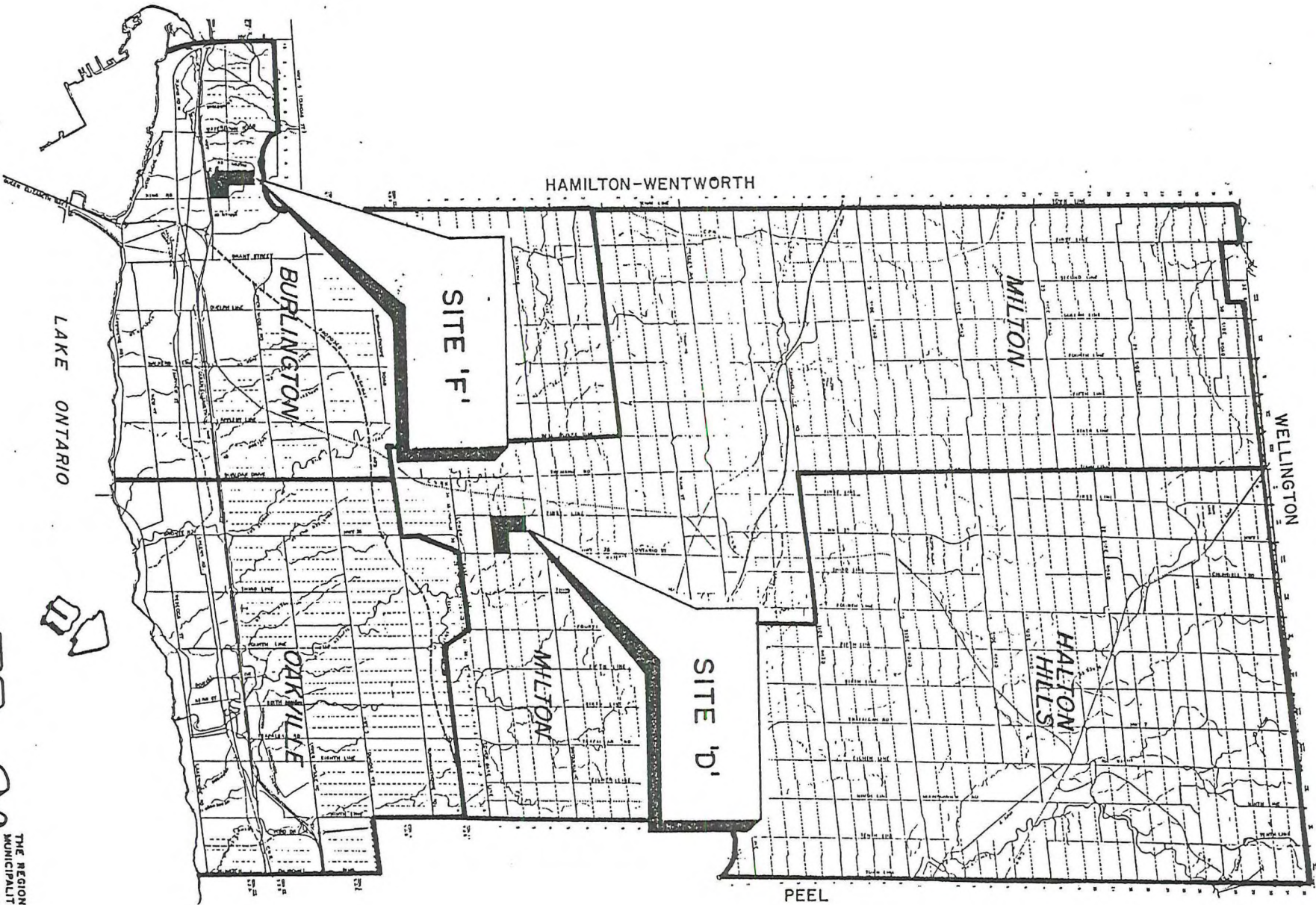
As a result of the more detailed site specific investigations carried out by Halton during its Landfill Technical Study, refinements were made to waste projections and the site plan areas.

The definition of the Undertaking should therefore be amended to reflect these updated projections and requirements.

The revised definition of Halton's undertaking for which it seeks approval under the Environmental Assessment Act is:

"The undertaking is to acquire land for, construct, operate and maintain a landfill to contain 7.96 million cubic metres of waste in the Regional Municipality of Halton and to do so by one of two alternative methods as follows:

- i) landfilling at the site referred to in Halton's Environmental Assessment as Site F, in the City of Burlington, as shown on Maps A and B hereto; or
- ii) landfilling at the site referred to in Halton's Environmental Assessment as Site D, in the Town of Milton, as shown on Maps A and C hereto.



LAKE ONTARIO

HAMILTON-WENTWORTH

WELLINGTON

MILTON

HALTON
HILLS

PEEL

SITE 'D'

SITE 'F'

BURLINGTON

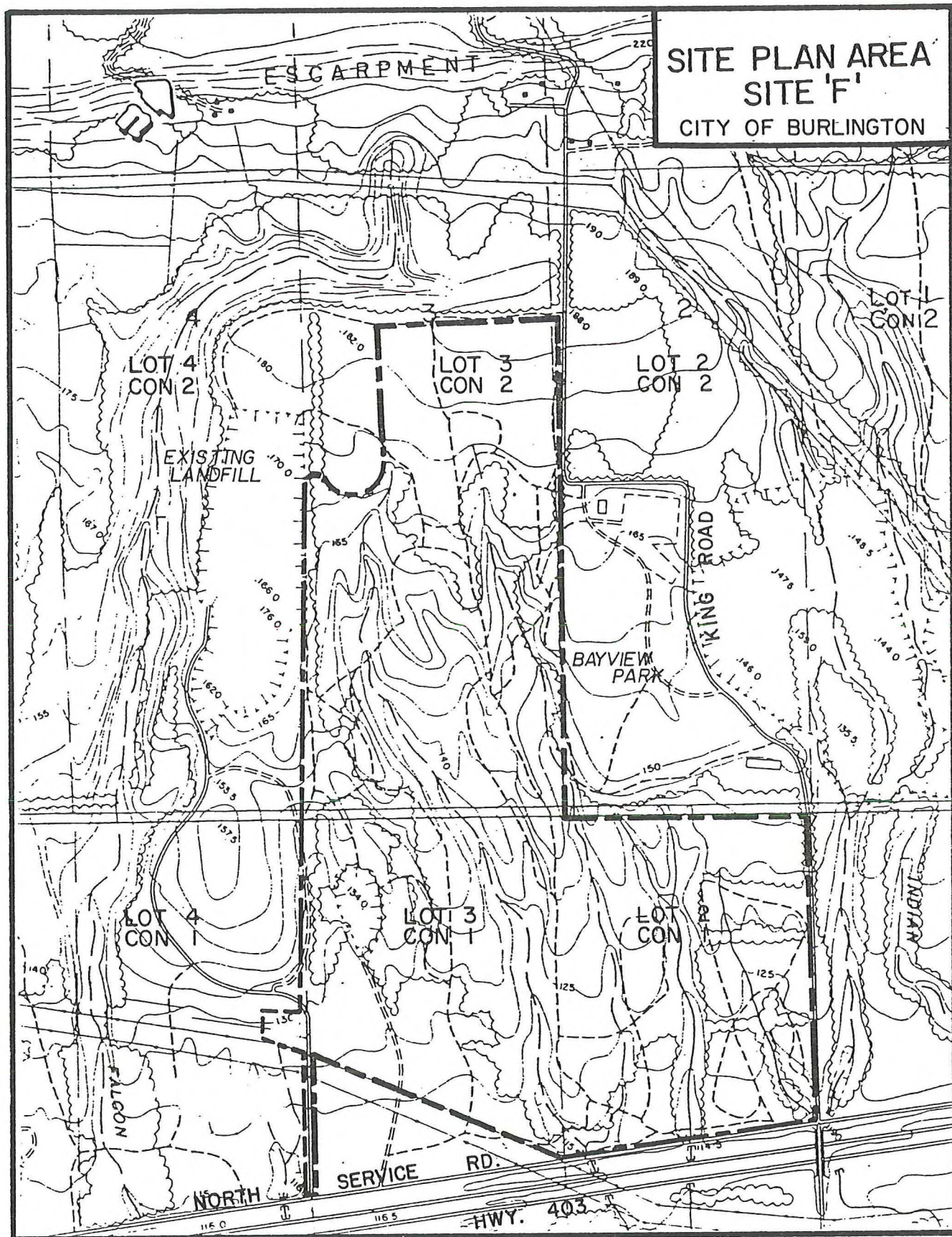
OAKVILLE

MILTON

Halton

THE REGIONAL
MUNICIPALITY OF

MAP A



**SITE PLAN AREA
SITE 'F'**
CITY OF BURLINGTON

LEGEND

--- SITE PLAN AREA
BOUNDARY

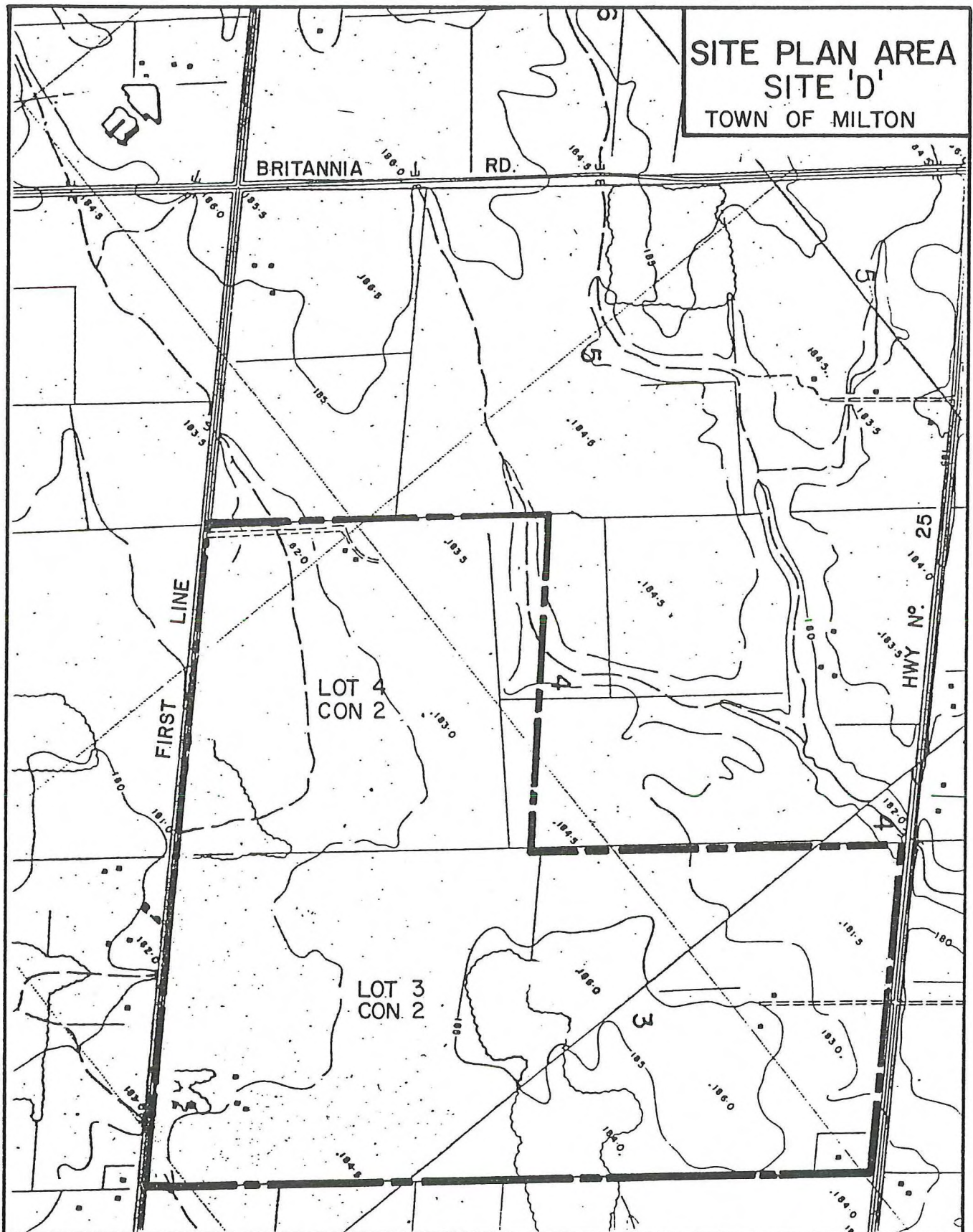
ENVIRONMENTAL ASSESSMENT OF THE LANDFILL
COMPONENT OF HALTON'S SOLID WASTE
MANAGEMENT SYSTEM

SCALE: 1:10 000

DATE: OCT. 1986

MAP B

SITE PLAN AREA
SITE 'D'
TOWN OF MILTON



LEGEND

--- SITE PLAN AREA
BOUNDARY

ENVIRONMENTAL ASSESSMENT OF THE LANDFILL
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MAP C