REGISTRATION PURSUANT TO SECTION 49 OF THE ENVIRONMENTAL PROTECTION ACT

NAME OF UNDERTAKING: **Mink Farm - Kenneth Mogensen's 4,000 Female Breeder Operation**

PROPONENT:

(i) ***Name of Corporate Body:*** **Clarenville Fur Farm Inc.**

(ii) ***Address:***
263 Memorial Drive
Suite 202
Clarenville, NL
A5A 1R5

(iii) ***Chief Executive Officer:***
Mr. Kenneth Mogensen
President/Owner
Rutter Gardsvej 3
4673 Harboere
Denmark
011-45-97834833

(iv) ***Principal Contact:***
Mr. Brian Burke
Burke Consulting Inc.
7 Somerset Place
CBS, NL
A1W 4P3
(709) 834-6331

THE UNDERTAKING:

(i) ***Nature of the Undertaking:***

Proposed development of a mink farm at a site off of Route 232, near Barton, Trinity Bay. The farm is being developed to produce high quality dark mink varieties for sale through the North American auction houses. Farm construction is proposed to begin in the Spring of 2006.

The project proponent, Mr. Kenneth Mogensen, is a young Danish mink farmer (23 years old) with approximately 13 years of experience working with mink. Mr. Mogensen currently is a manager on his father's mink farm with over 6,000 females in Denmark as well as helping to operate the feed kitchen. This farm produces "North American" style dark mink varieties and sells these mink through American Legend Auctions in Seattle. Kenneth Mogensen is also training with American Legend Auctions to become a certified fur grader.

(ii) ***Purpose/Rationale/Need for the Undertaking:***

The proponent, Mr. Kenneth Mogensen, views Newfoundland and Labrador as offering a significant opportunity for the development of a world-class mink industry. The province has the proper climate for mink production as well as offering potential advantages in land, feed and labour availability and cost, as compared to Denmark. In addition, the production of mink in North America will also enable Mr. Mogensen to sell these mink under premium North American labels.

Mr. Kenneth Mogensen is the son of Mr. Jorn Mogensen, owner of Harcourt Fur Farm Inc. and Charleston Mink Company Ltd. He views establishing in Newfoundland and Labrador as providing a excellent opportunity to establish his own mink farming operation. This undertaking consists solely of a mink farming operation, with required feed and pelting services to be provided by Charleston Mink Company Ltd.

DESCRIPTION OF THE UNDERTAKING:

- ***Geographical Location:***

The proposed site consists of two existing agricultural leases, lease #s 95146 and 96604, of 34.865 hectares in total (86.2 acres), and is located near Barton, Trinity Bay. The property fronts on the north side of Route 232. Clarenville Fur Farm Inc. has entered into an agreement to obtain these leases. Maps of the proposed site are attached in Appendix 1. These maps include a location map, a landuse map, survey maps of the leases, and an aerial photo of the site.

The land base is largely cleared, with the remainder in a wooded state. The site slopes upward slightly from south to north.

- ***Physical Features:***

Physical requirements for the mink farm to be added to the site include mink sheds (eight in total), a storage shed, perimeter fencing, temporary manure storage and access roads. A total area of 4-8 acres will be leveled to encompass the sheds and fencing. The main farm area will be situated with a treed buffer maintained to limit exposure. Additional land will be developed, as required, for manure spreading. Each of the required physical features are further described below:

Road

Access to the site from Route 232 will be gained using existing access roads adjacent to the site. Access will be upgraded and extended to reach the proposed main farm area. No water bodies are to be crossed in construction of the required access.

Mink Sheds

The proposed mink sheds for this farm will be 400 ft long by 22 ft wide. Each shed will hold four rows of mink cages. The sheds are to be constructed using simple post and beam wooden construction, with galvanized aluminum sheeting attached for roofing, as well as a fibreglass skylights, and a plastic fabrene material used on the exterior sides (to enable natural light penetration). See pictures below for examples of the type of construction to be used.

Exterior of Large Mink Shed

Interior of Large Mink Shed

An automatic watering system will be installed in the sheds such that the mink will have access to a continuous supply of water. Artesian well(s) will be used to provide the necessary water requirements.

Storage/Auxiliary Sheds
One small shed (1,200-1,500 square feet) will be constructed on-site to provide storage space for equipment and materials as well as a small staff room/facilities.

Perimeter Fencing
The main farm site (4-8 acres) will be enclosed with chain link fencing, to prevent encroachment by pests/animals and mink escapement. To prevent possible escapement, the bottom of the fence will be extended 6-8 inches below the ground surface. Total fence height will be approximately five to six feet.

Manure Storage
A temporary manure storage area will be constructed, consisting of a concrete pad and bucking wall, covered by a heavy tarp to prevent washout by precipitation. This facility will be constructed and located in keeping with the Environmental Guidelines for Livestock Producers. The facility will provide for temporary storage only, with the manure ultimately being made available to local farmers for spreading and/or a local composting operation and/or used on existing fields or additional fields to be developed by the proponent.

- ***Construction:***

Project construction is projected to occur from May 2006 through to July 2009. Construction will be undertaken in a staged approach to meet the requirements of the expanding farm. Following are the projected construction requirements for each phase:

- *May 2006 - July 2006*
  Upgrade/Extend Access
  Level Land
  2 Mink Shed(s) for breeding stock and kits (800 females)
  Perimeter Fencing
  Manure Storage Pad
- *July 2006 - November 2006*
  2-3 Mink Sheds for expanded mink breeders and kits
  1 Storage/Auxiliary Shed
- *July 2007 - July 2008*
  1-2 Mink Sheds for expansion
- *July 2008 - July 2009*
  1-2 Mink Sheds for expansion (to 4,000 females)

The main site will be selected to minimize clearing and leveling requirements. Construction involves simple structures with low potential for environmental impact.

- ***Operation:***

The process of farming mink is closely tied to the natural breeding cycle of the animal. The basics of the mink year are outlined in the following figure, which was prepared for the US mink industry. For mink farming in Newfoundland and Labrador the primary seasons are as follows:

- Breeding - Breeding to start in early March;
- Whelping - The breeding females will start having their kits as early as April 20th. Litters may range from as few as three to as many as 13, but four or five is the average;
- Weaning - Separating the kits from their mother and getting them on solid food starts after six to eight weeks, in late June or early July;
- Growth and Furring - From August through to pelting time in November/December the focus is on kit growth and proper fur development;
- Grading and Pelting - Prior to pelting, mink are graded such that the best performers can be retained as breeding stock . Pelting starts in November and can continue to early December.

Mink Farm Season

Clarenville Fur Farm Inc. plans to start with 800 disease free, high quality dark mink bred females from nearby Harcourt Fur Farm Inc. To enable site construction in the Spring, the breeders and their kits will be maintained at Harcourt Fur Farm until the site is ready in July 2006. On average mink produce between four to five offspring. In 2006 the projected kit production will be approximately 3,500 kits. Over the following two to three years the operation will expand to 4,000 female breeders, producing up to 20,000 kits per annum.

This proposed operation will consist only of the farm. The proponent will be utilizing Charleston Mink Company Ltd. for feed supply and pelting.

Waste Production/Handling

Waste production from a mink farm consists of two primary waste streams, manure and urine from the mink, which is mixed with wood shavings and straw from the nest boxes, and carcasses. Manure production varies with the time of year, with lower volumes produced from late-November through May, as the farm is populated only with breeding stock, and larger and increasing volumes produced from June through November, as the kits grow. The mixing of the manure/urine with the wood shavings/straw produces a very manageable solid waste product. Carcasses are the primary waste stream from pelting. The projected maximum waste production for a 4,000 female mink farm is as follows:

- Manure 720 tonnes
- Shavings/Straw 100 tonnes
- Carcasses 20 tonnes

Waste Collection

With all animals held in cages the manure and urine collects directly under these cages, in the sheds. In a vast majority of cases the mink return to the same spot to deposit their waste on an ongoing basis. In addition, straw and/or wood shavings are used in the nest boxes and the manure/urine becomes mixed with the straw/shavings that fall through the cage, producing a more manageable waste product. For hygiene purposes and to reduce odour, waste will be collected from the sheds on a regular basis, consisting of every two weeks in the late summer and less often during cooler periods.

Waste is to be collected using a small articulating tractor which is capable of operating in the sheds. A special attachment will be imported from Denmark which enables the tractor to easily collect the waste in an efficient manner.

Waste Handling and Disposal

The handling and disposal of the waste from the mink farm will be undertaken using approved manure management strategies. The primary handing and disposal methodologies to be used will include short-term stockpiling, land application and potentially composting.

Short-term Stockpiling

Stockpiling of manure will only take place on a short-term basis, to accumulate for land application or transfer to a composting facility. Stockpiling will be done in an approved manner and at a site on the farm of sufficient distance and location from the sheds and wells to ensure no risk of contamination.

Land Application

A total of 150 female mink (plus kits and males) per acre is the recommended maximum from the "Environmental Farm Practice Guidelines for Livestock Producers in Newfoundland and Labrador" for manure spreading. As such, for a 4,000 female farm

the recommended minimum acreage for manure spreading would be 26.66 acres. The site has a land base of 86.2 acres providing more than sufficient area for manure spreading. In addition, manure will be made available to other local farmers for spreading on their fields and/or to a local composting operation.

Carcasses
The handling and disposal of the carcasses will use approved management strategies. The primary handing and disposal methodologies to be used will include burial and potentially composting. For the burial of carcasses, the "Government Service Centre Guide for the Disposal of Dead Animals Within the Province of Newfoundland and Labrador" will be followed, i.e. disposal areas will be a minimum of 150 metres from the well water supply. The carcasses will be placed in a prepared excavation, then limed and backfilled with at least 0.6 metres of fill material. The excavation site will be at least 0.3 metres from the groundwater table.

- ***Occupations:***

  The proposed farm will require a projected 4-5 employees during the construction and operations phases. This will include one site foreman and the remainder as general labourers. This labour pool will meet the requirements for farm construction during the first three years as well as ongoing farm operations as the farm grows from 800 female breeders to a proposed 4,000 female breeders by the fourth or fifth year.

- ***Project-Related Documents:***

  N/A

APPROVAL OF THE UNDERTAKING:

Approvals required for the construction and operations phases for Mr. Kenneth Mogensen's farm include the following:

- Application for Consent and Notice of Assignment of Lease/License - Department of Environment and Conservation, Lands Branch
- Waste Management Certificate - Government Services Centre - Approval required prior to 2006 operations

SCHEDULE:

The initial land development and construction phase for this project will start in May 2006. Land clearing and leveling, the construction of two mink sheds and the installation of perimeter fencing an a manure storage pad will be completed prior to the transfer of the breeding stock and kits in July 2006.

FUNDING:

Funding for this operation will consist primarily of private investment. Mr. Kenneth Mogensen plans to apply for assistance through the Atlantic Canada Opportunities Agency (repayable loans), Human Resources and Skills Development Canada and/or the Department of Human Resources, Labour and Employment (wage subsidies), the Agricultural Policy Framework (APF), the Department of Innovation, Trade and Rural Development (Small and Medium Enterprise Fund) and the Farm Credit Corporation (repayable loans). No approvals have been granted to date.

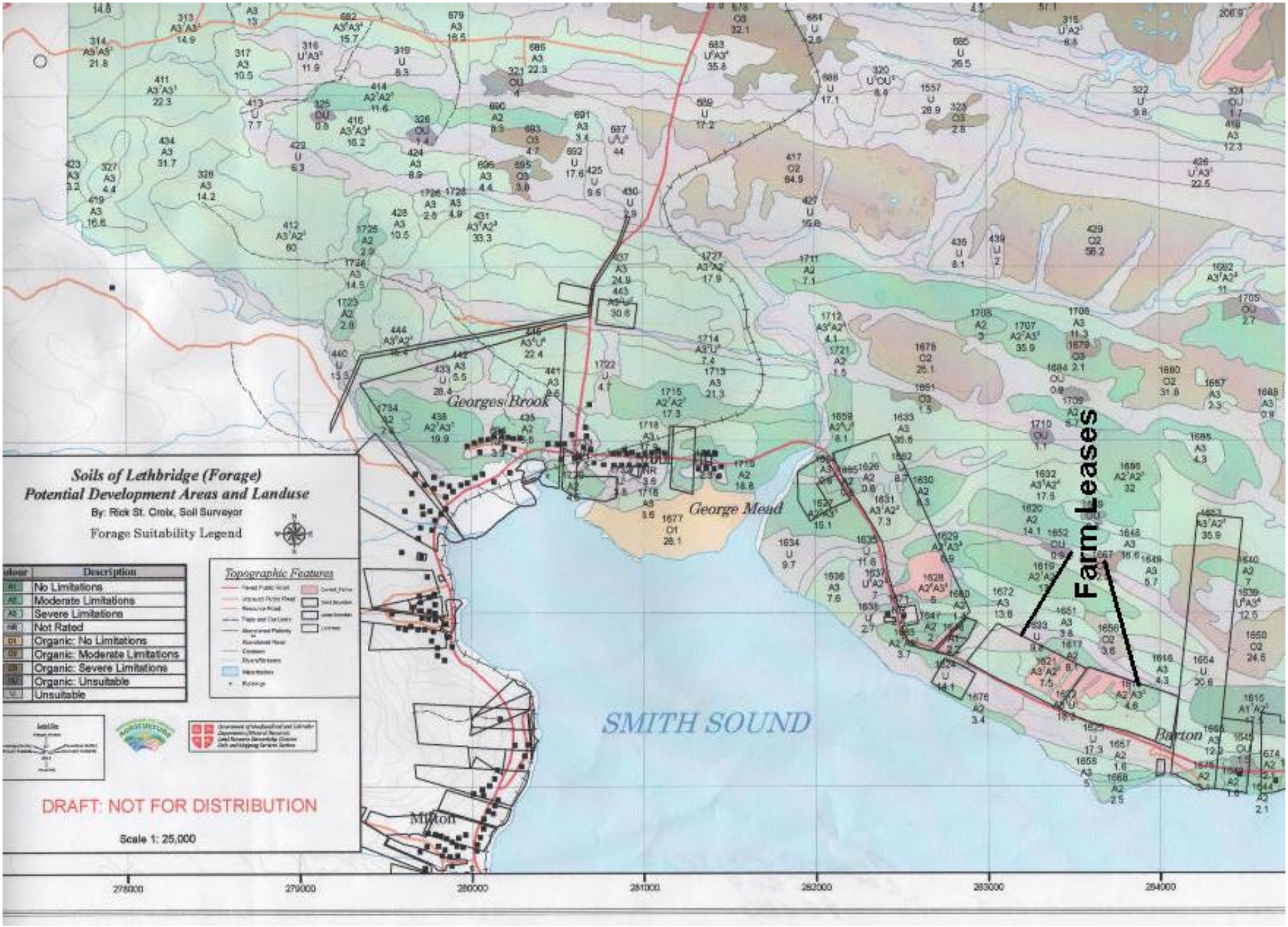
Mr. Kenneth Mogensen
President/Owner

Date

APPENDIX 1

SITE MAPS


Map #: 2 C/4
Map Name: Random Island
Scale: 1:50,000
Farm Site
Georges Brook
Muddy Hole Brook
George Mead
Flowers Cove
Ryders Brook
Snooks Brook
Smith Sound Prov Park
Barton
Sandy Point
Brickyard Point
Milton
Town Limits
Grindstone Head
Bar Mead
The Bar
Gooseberry Point
Aspey Pt
Mills Siding
Man Point
Shoal Harbour
Shoal Harbour R
Horsestage Pt
Buddocks Point
Red Beach
Lumber Yard
Red Point
Red Point Hill
Court House
Water
Clarenville
Correctional Institute
Hospital
Shopping Centre
Strongs Pt
Dark Hole
Clarenville South
Lower Shoal Harbour
Bounds Mead
Random Heights
Communication
Snooks Harbour Pond
230
232
231


Soils of Lethbridge (Forage)
Potential Development Areas and Landuse
By: Rick St. Croix, Soil Surveyor
Forage Suitability Legend
Colour
Description
No Limitations
Moderate Limitations
Severe Limitations
Not Rated
Organic: No Limitations
Organic: Moderate Limitations
Organic: Severe Limitations
Organic: Unsuitable
Unsuitable
Topographic Features
DRAFT: NOT FOR DISTRIBUTION
Scale 1: 25,000
Georges Brook
George Mead
SMITH SOUND
Milton
Barton
Farm Leases
278000
279000
280000
281000
282000
283000
284000

COORDINATES BASED ON NAD83

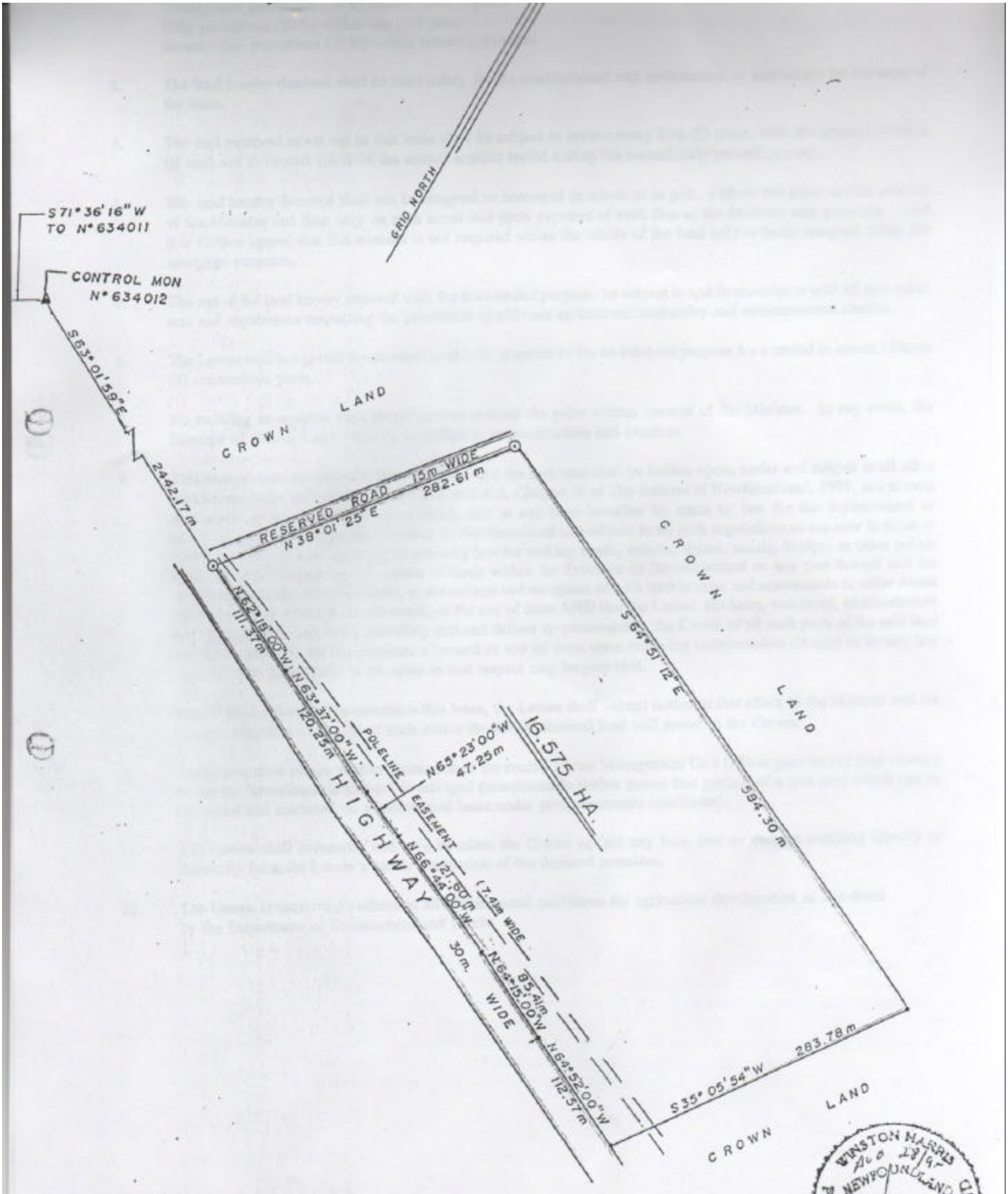
SCALE: 1 : 5000

- o IRON PIN
- ⊕ CAPPED IRON PIN
- ▲ PROVINCIAL CONTROL SURVEY MARKER

LINEAR MEASUREMENTS HORIZONTAL GROUND

APP. NO. E-96604

WINSTON HARRIS
NEWFOUNDLAND
LAND
SURVEYOR
PROVINCE OF NEWFOUNDLAND



SCALE : 1 : 4000

W. HARRIS SURVEYS LTD.

- Iron Bar
- Provincial Control Survey Marker
- Capped Iron Pin
- Linear Measurement Horizontal Ground Distances

Farm Site
09/03/2001
1:12500
01024 112