



1501 Luce Road, PO Box 421
Labrador City, NL, A2V 2K7

**ENVIRONMENTAL ASSESSMENT
REGISTRATION DOCUMENT**

Proposed Sand and Gravel Quarry

Labrador West

Prepared by:

Sheldon Laing

For

*Allard Distributing Ltd.
Labrador City, NL*

August 2017

Environmental Assessment Registration Document
Proposed Sand and Gravel Quarry 2

Table of Contents

- 1.0 Name of the Undertaking
- 2.0 Proponent
- 3.0 The Undertaking
- 4.0 Description of the Undertaking
 - 4.1 Geographical Location
 - 4.2 Physical Features
 - 4.3 Construction
 - 4.4 Operation
 - 4.5 Occupations
 - 4.6 Project Related Documents
- 5.0 Approval of the Undertaking
- 6.0 Schedule
- 7.0 Funding
- 8.0 Submission

List of Figures

- Figure 01- Scale 1:145,000
- Figure 02- Scale 1: 85,000
- Figure 03- Scale 1: 17,500
- Figure 04- Scale 1: 10,000

Environmental Assessment Registration Document
Proposed Sand and Gravel Quarry 2

1.0 Name of the Undertaking: Labrador West- Sand and Gravel Quarry 2

2.0 Proponent

2.1 Name of the Corporate Body: Allard Distributing Ltd.

2.2 Address: 1501 Luce Road
PO Box 421
Labrador City, NL
A2V 2K7

2.3 Chief Executive Officer

Name: Gilles Allard
Official Title: President
Address: See section 2.2 (Same Address)
Telephone No: (709) 944-5144

2.4 Principal Contact Person (s):

Name: Sheldon Laing
Official Title: Operations Supervisor, EH&S Coordinator
Address: See section 2.2 (Same Address)
Telephone No: (709) 944-5144

Principal Contact Person (s):

Name: Murdock Letto
Official Title: Operations Supervisor
Address: See section 2.2 (Same Address)
Telephone No: (709) 944-5144

Principal Contact Person (s):

Name: Amanda Applin
Official Title: Controller
Address: See section 2.2 (Same Address)
Telephone No: (709) 944-5144

Environmental Assessment Registration Document

Proposed Sand and Gravel Quarry 2

3.0 The Undertaking

3.1 Nature of the Undertaking

The proposed project involves the development of a sand and gravel quarry site approximately 10 km east of the town of Wabush Airport (*North End*), and 7.0 km north of the Wabush Airport (*North End*). The site shall be accessible via Route 500, on an existing gravel access road. The proponent proposes to develop the area as an open pit quarry operation to produce granular aggregates such as Concrete Sand aggregates, Class A aggregates, Class B aggregates, and Class A Stone aggregates, to be utilized for various construction projects in the Labrador West communities.

3.2 Purpose/ Rationale/ Need for Undertaking

The purpose of this project is to produce aggregates for future use as raw materials in the local construction, mining and commercial industries, within Labrador West. With the recent expansion of mining operations, there is an anticipated demand for these raw materials. The proponent has title to adjacent land, which has previously been developed and is nearing its exhaustion.

4.0 Description of the Undertaking

4.1 Geographical Location

This project is located in an esker deposit north east of the Town of Wabush where various contractors are currently producing similar aggregate products. Please see Figure 01 and Figure 02, a map that indicates the physical location with relation to the adjacent communities. Also see Figure 03 and Figure 04, a map that indicates the physical location with relation to Route 500 (Trans Labrador Highway), and the proposed route of access to the proposed site.

4.2 Physical Features

The principal features of the site is a very prominent esker deposit that consists of a mound of sand and gravel which is a remnant of a river bed derived from ancient glacial melt water. An estimated size of the area would be 7.72 hectares. Processing of the materials will be limited to excavation, crushing and screening. There will be no drilling or blasting involved. The quarry boundary is sited to ensure a 50 meter buffer zone around the cowboy creek, the only nearby water body and due to the nature of the porous quality of the granular esker, all runoff is filtered before reaching running water.

Environmental Assessment Registration Document

Proposed Sand and Gravel Quarry 2

Existing Biophysical Environment

The proposed site is located in an area of scattered black spruce vegetation interspersed with occasional marshy areas and large lakes and ponds. Most of the summits of the ridges are barren due to the harsh winter climate which has short warm summers and cold winters from October to April. Summer temperatures can reach 30 degrees while winter daytime temperatures average around minus 15. The colder climate here, as compared to Goose Bay near sea level is due to the higher elevation and the prevailing northwesterly winds that flow in from Ungava Bay.

Vegetation

The area of the proposed quarry is surrounded by extensive black spruce forest and bog. The area of the immediate site has recently been ravaged by a forest fire and consequently, only the skeletons of trees remain. Shrub growth on the esker itself is sparse and covered with caribou moss which is typical for this region. There are no large lakes or ponds on the proposed site, the only watercourse in the vicinity is Cowboy Creek which drains a pond lying to the southeast. Occasional monitoring by the proponent and others that has quarry permits nearby does not reveal any signs of discoloration or contamination. These are not official observations, but rather local observations.

Inland Fish

Cowboy Creek is home to small brook trout locally referred to as "pan fry" but these are not abundant. Locally, the creek is not considered a "good fishing area".

Wildlife

Occasional black bears roam the region but are not overly abundant. The George River caribou herd sometimes traverse the area but due to its proximity to the towns of Labrador City and Wabush, there is a no hunting ban imposed in the area of the proposed quarry, however these migrations has not occurred for many years. There are the usual population of wolves, foxes and martens that are trapped by local hunters.

Environmental Assessment Registration Document

Proposed Sand and Gravel Quarry 2

4.4 Construction

The construction phase of site development will consist of clearing and grubbing and site development. Construction activities are proposed to start prior to September 30, 2017 (weather and approval dependant), or May 01, 2018.

Clearing and Grubbing

Any merchantable timber removed during quarry development will be salvaged but this is expected to be minimal due to the recent forest fire in the area. All grubbed material will be stockpiled for future use. This process shall be performed in intervals as the quarry operations progress. The clearing and grubbing shall be approximately 1-2 weeks, per interval.

Site Development

The proposed quarry site covers a total of 7.72 hectares. Initial construction activities will involve the removal of vegetative cover as described to advance the working face. Surficial organics and topsoil, where present, will be set aside for future use such as quarry restoration and local sales of the topsoil.

Potential Sources of Pollution during Construction & Operation

The construction phase of the development will consist of earth moving activities. The potential sources of pollution include site drainage, noise, air emissions, waste and litter and potential release of hydrocarbons.

Site run-off will be directed to the vegetated areas which will filter suspended solids. In addition, barriers will be installed as required to prevent siltation of water bodies/streams.

Domestic waste generated during construction will be collected and disposed of at the Labrador West land fill site, as per the Waste Material Disposal Act.

All equipment will have appropriate emission controls. All vehicles will follow a designated project route and be properly maintained to minimize noise. All vehicles will have exhaust systems regularly inspected and mufflers operating properly. There are government inspector in the area that regularly make spot checks.

Petroleum products will not be stored on site during construction or operation; petroleum products will be handled as per Storage and Handling of Gasoline and Associated Products Regulations, under the Environmental Protection Act.

Environmental Assessment Registration Document

Proposed Sand and Gravel Quarry 2

4.6 Operation

Typical excavation methods will be employed to collect the commercial materials (sand and gravel) at the proposed site. The operation will include the excavation and loading of the native sand and gravel materials at the working face of the quarry, crushing/screening, and transportation of these materials for use off-site in Labrador West. Waste and oversized rock will also be stockpiled for future use.

Appropriate ditching will be maintained on site to ensure silt and general site runoff is controlled, and does not adversely affect the surrounding environment. In addition, perimeter ditching and settling basins, as required, will be located to prevent migration of surface water drainage from non operating areas. The ground and facilities will be maintained according to environmental health and safety standards and regulations. Equipment on site will include the following:

- Excavator (access road construction and loading at the working face)
- Tandem dump trucks (material transportation)
- Front end loader (material handling)
- Mobile crusher- screener

The quarry operation will typically run from May to October, in accordance with demand for the product. The quarry will potentially operate for five years.

4.7 Occupations

Site construction and operations for the proposed quarry will include the following occupations classified as per National Occupational Classification, 2006:

Construction Phase

- *1 Site Foreman/Supervisor (7217), (Duration: All Year)*
- *2 Heavy Equipment Operator (7421) (Duration: All Year)*

Operations Phase

- *1 Quarry Manager (0811) (Duration: Full Time)*
- *1 Quarry Foreman/Supervisor (8221) (Duration: Full Time)*
- *Heavy Equipment Operators - 2 front end loader, 2 crusher (7421) (Duration: Seasonal/ All Year)*
- *5 Truck Drivers (7411) (Duration: Seasonal/ All Year)*
- *2 Heavy Equipment Mechanics (7312) - located offsite (Duration: Seasonal/ All Year)*

4.8 Project Related Documents

There are no project related documents.

Environmental Assessment Registration Document
Proposed Sand and Gravel Quarry 2

5.0 Approval of the Undertaking

- *Environmental Protection Act-Assessment Regulations*: Permit to Proceed
- *Quarry Materials Act and Quarry Minerals Regulations*: Quarry Permit
- *Operating Permit Issued under Section 105 of the Forestry Act*: Operating Permit

6.0 Schedule

This project can be started, by Allard Distributing Ltd as soon as the Environmental Assessment has been registered, reviewed and the permit has been issued to commence.

The proposed date to commence the quarry operations is September 01, 2017. At this time Allard Distributing Ltd. is prepared to upgrade the access road, and begin quarry operations until the winter weather stops the quarry operations (approximately October 2017).

The latest date for commencing the project shall be September 30, 2017. At this time Allard Distributing Ltd will be preparing for the winter months ahead, and any quarry operations shall be hindered due to the winter weather.

The earliest the quarry operation can commence after September 30, 2017 will be May 01, 2018, after the winter months have passed.

7.0 Funding

The funding for the project will be supplied by Allard Distributing Ltd.

8.0 Submission

Sept 05 2017
Date

Gilles Allard
Name (Chief Executive Officer)


Signature (Chief Executive Officer)

Environmental Assessment Registration Document
Proposed Sand and Gravel Quarry 2

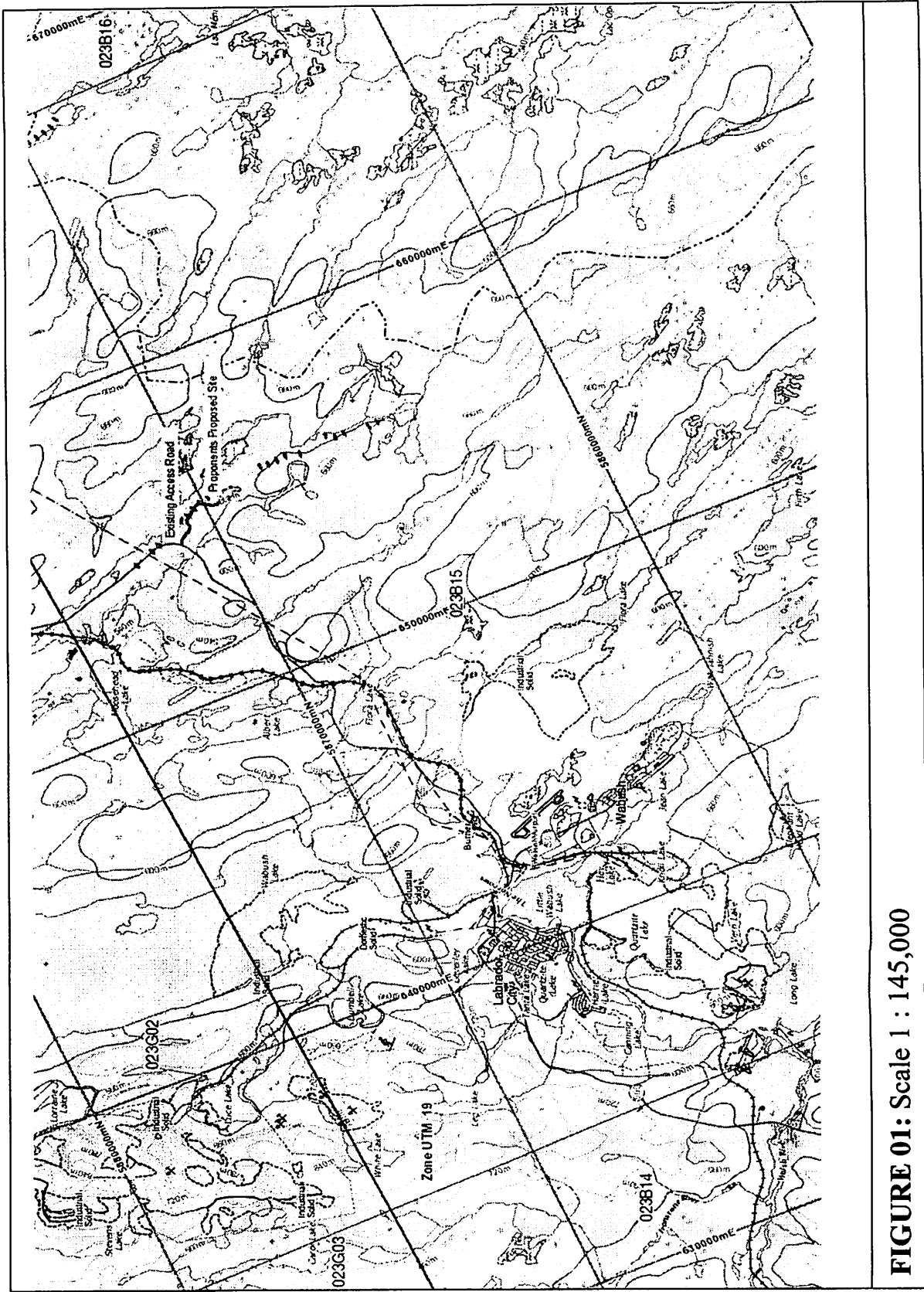


FIGURE 01: Scale 1 : 145,000

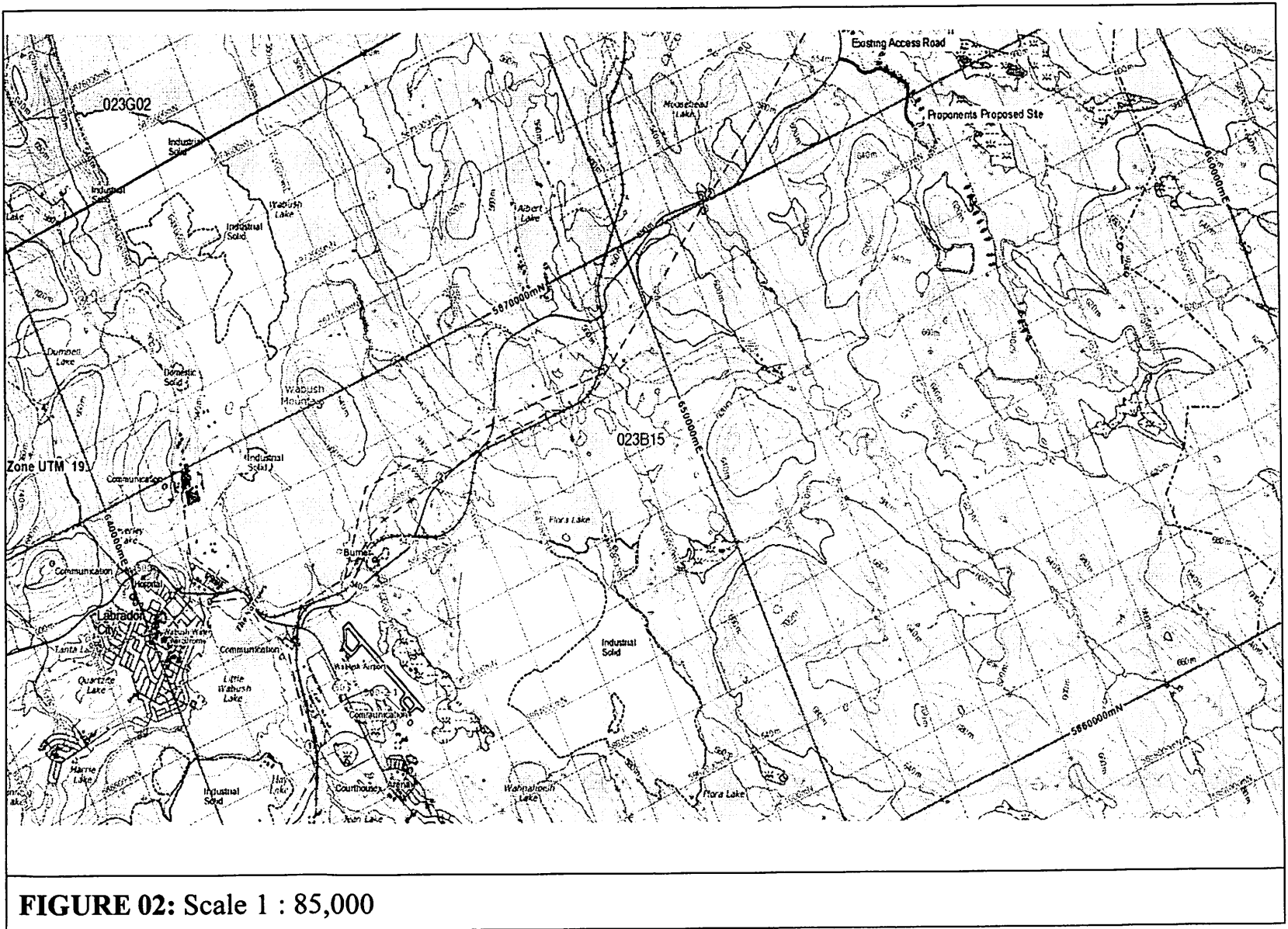


FIGURE 02: Scale 1 : 85,000

Environmental Assessment Registration Document
Proposed Sand and Gravel Quarry 2

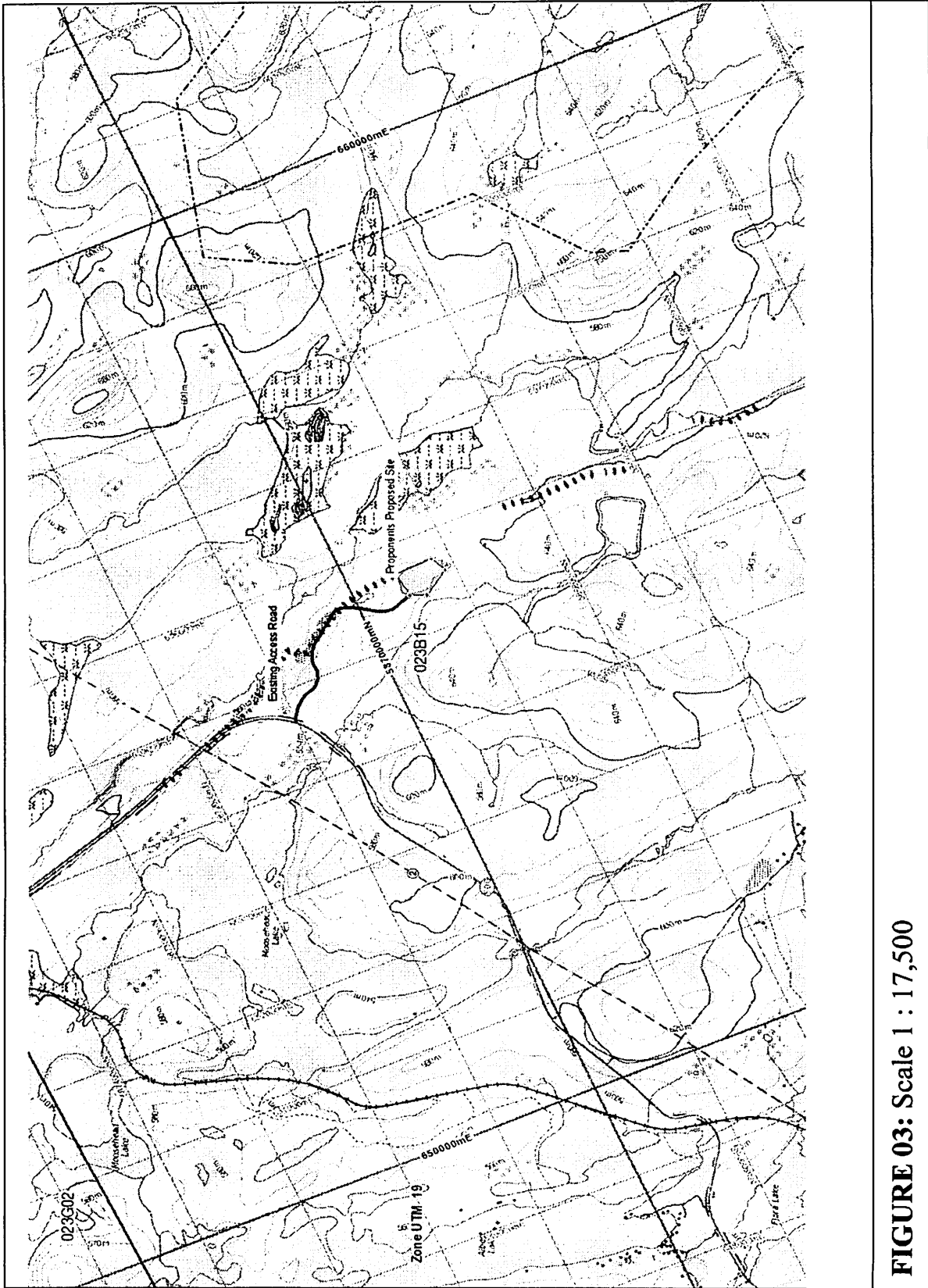


FIGURE 03: Scale 1 : 17,500

Environmental Assessment Registration Document
Proposed Sand and Gravel Quarry 2



FIGURE 04: Scale 1 : 10,000

Environmental Assessment Registration Document
Proposed Sand and Gravel Quarry 2

--- END OF DOCUMENT ---