



Wheeler's Excavation

P.O. BOX 11 Cottlesville, NL

A0G 1S0

(709) 629 3076 or (709) 541 9132

ENVIRONMENTAL ASSESSMENT REGISTRATION DOCUMENT

**Proposed Gravel Quarry
Summerford,
New World Island**

Prepared by:
Lindy Rideout, BSc.
For
Wheeler's Excavation
May 24/2011

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1.0 Name of undertaking:

Wheeler's Excavation- Gravel Quarry

2.0 Proponent:

Name of Corporate Body: Wheeler's Excavation

Address: P.O. BOX 11 Cottlesville, NL
A0G 1S0

Owner/Contact Person: Rod Wheeler (709) 629 3076 or (709) 541 9132

3.0 The Undertaking:

a) Nature of the undertaking,

The proposed project involves the development of a gravel quarry site within the Town of Sumerford's borders approximately 700m from the Road to the Isles Route 340. Site is accessible via pit road. This proposal involves the existing abandoned quarry originally operated by Twillingate Construction.

b) Purpose/ Rationale/Need for the undertaking

The purpose of this project is to produce gravel and stone for local demand. Secondly, this central location will reduce the travel distance to markets.

4.0 Description of the Undertaking

a) Geographical Location

This project is located in a grunge area that runs through the centre of New World Island adjacent to Boyds Auto Body's quarry.

b) Physical Features

Project Site Description:

The principle feature of this site is the fractured nature of the rock. This is the area of two tectonic plates that pulverized these rock and eliminate the need for expensive blasting. This unique geological feature makes it economical for extraction of gravel.

Existing Biophysical Environmental

There are very little living organisms in this area. It was cleared and grubbed many years ago. The topsoil was removed to expose the past quarry.

Vegetation

There is no vegetation at this site. There are a few mixed trees at the edge of the property.

Inland Fish

There are no creeks or brooks in this area.

Wildlife

Occasional moose roam past this site but no other animals frequent this site.

Construction

This site is already ready for excavation

Clearing and Grubbing

This site is already ready for excavation

Site Development

This site covers a total of 2 hectares. This site was an abandoned quarry and is ready to reactivate.

5.0 Potential Sources of Pollution during Undertaking

The construction phase of 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 runoff will 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 Chapel Island 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 regular inspection of exhaust and muffler systems to ensure proper effective operation.

Petroleum product will not be stored on site. Petroleum products will be handled as per *Storage and Handling of Gasoline and Associated Products Regulations*, under the **Environmental Protection Act**.

6.0 Operations

Typical excavation methods will be employed to collect material at the proposed site. The operation will involve extracting gravel and rock from the exposed face and transporting the material offsite to surrounding towns. Oversized rocks and waste will be stockpiled for future use.

Appropriate ditching will be maintained on site to ensure silt and general site run-off is controlled, and does not adversely affect the surrounding environment according to environmental health and safety standards and regulations.

Equipment on site includes the following:

- Rubber tire backhoe (digging at the site/ loading trucks)
- Excavator (digging at the site/ loading trucks)

- Tandem dump truck (material transportation)

The quarry will operate year around in accordance to demand for the product.

7.0 **Termination of Operations**

Site rehabilitation shall be in accordance with standard quarry operations. Upon completion of quarry activities, all slopes shall be graded to 30 degrees and the remaining areas will be graded to a level surface as directed by a government quarry inspector from *Natural Resources and Lands*

8.0 **Occupations**

Site construction and operation phase for the proposed quarry will be very simple. Usually there will be only one or two people working on site that perform multiple functions. The following occupational classification as per **National Occupational Classification, 2006** will be created:

Site Foreman/ Supervisor (7217)
Heavy Equipment Operator (7421)
Quarry Manager (0811)
Quarry Foreman/Supervisor (8221)
Truck Driver (7411)
Heavy Equipment Mechanic (offsite) (7312)

9.0 **Project Related Documents.**

There are no project related documents other then attached maps.

10.0 **Approval of the Undertaking**

Permit to proceed- **Environmental Protection Act**
Quarry permit- **Quarry Material Regulations and Acts**

11.0 Schedule

Registration Document Submission -May 2011
Government Review and Decision - June 2011
Pit Operation - July 2011

12.0 Funding

Funding for the project will be provided by Wheeler's
Excavation

13.0 Submission

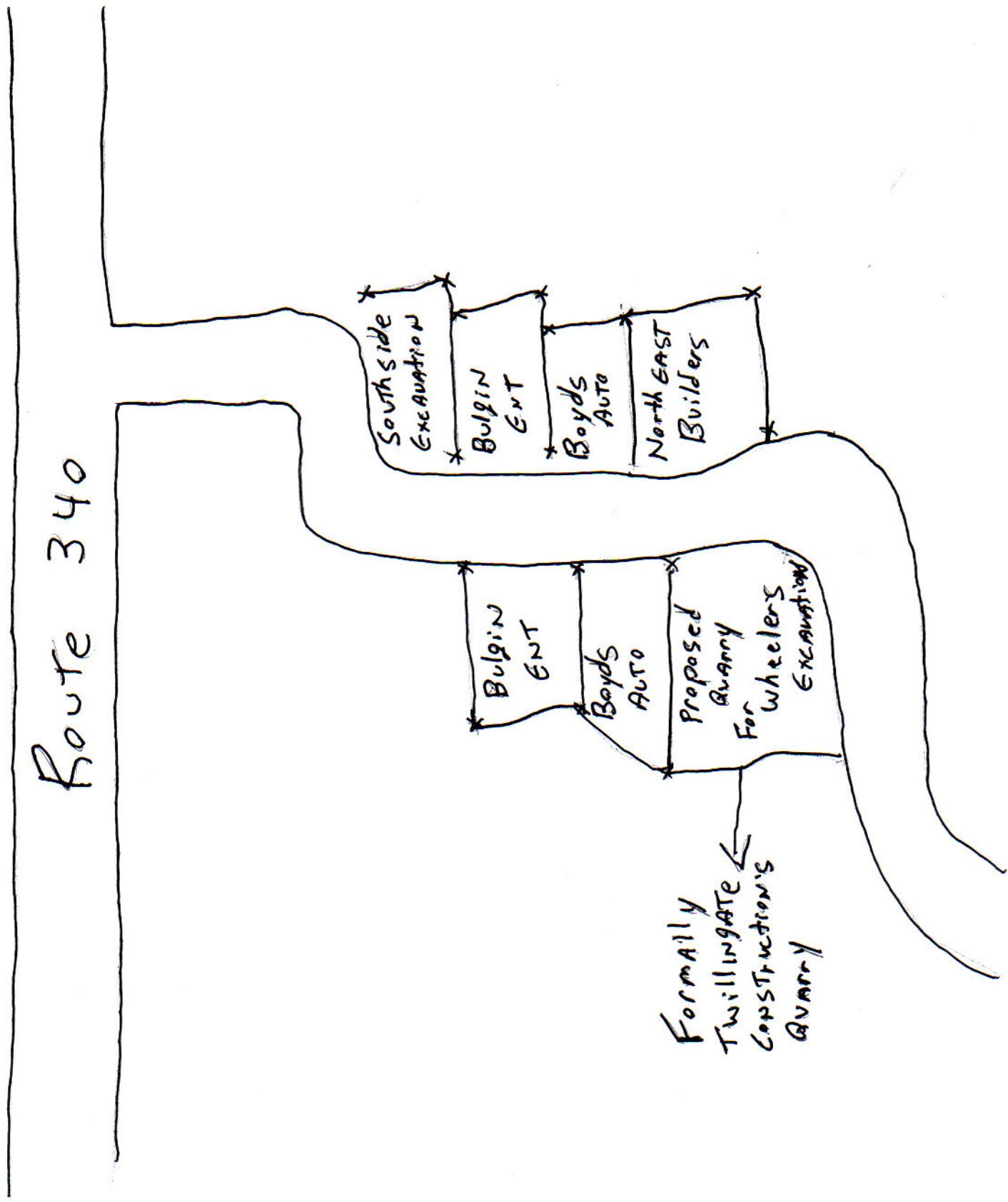
MAY-25-11

Date



Name: **Rod Wheeler**

Route 340





50°

45° 45' 00"

45°

45' 30"

TWILLINGATE NEWFOUNDLAND

1 0 1 2 3 4

km

Scale 1 : 50 000

