

B.D.C Construction

Environment Assessment

SALT POND QUARRY. 2 KM SE OF SALT POND, BURIN PENNINUSLA

File Reference- 200.20.2564

09/11/2017

NAME OF UNDERTAKING:

Salt Pond Quarry. 2km SE from Salt Pond, Burin Peninsula

PROPONENT:

Name of Corporate Body:

B.D.C Construction

Address:

4 Keel St.
Site 18 Box 50
Burin, NL
A0E 1E0

Chief Executive Officer:

Name: Brandon Brushett
Official Title: Owner/Operator
Address: 4 Keel St.
Site 18 Box 50
Burin, NL
A0E 1E0
Telephone: 709 277 1908 / 709 891 1570
E-mail: brandon_brushett@hotmail.com

Principal Contact Person for purposes of environmental assessments:

Name: Brandon Brushett
Official Title: Owner/Operator
Address: 4 Keel St.
Site 18 Box 50
Burin, NL
A0E 1E0
Telephone: 709 277 1908 / 709 891 1570
E-mail: brandon_brushett@hotmail.com

THE UNDERTAKING:

Name of the Undertaking:

Salt Pond Quarry. 2km SE from Salt Pond, Burin Peninsula

Purpose/Rationale/Need for the Undertaking:

The purpose of the quarry is to access materials to help the company expand. Materials from the quarry will be slate rock. The rock will be stock piled with course and fine slate. The intended use of the materials will be used for road construction, land development/back filling and drive-way construction. The materials will be supplied to contracts that BDC Construction is awarded and the general public within the Burin Peninsula.

DESCRIPTION OF THE UNDERTAKING:

Geographical Location:

The proposed quarry is located on the Burin Peninsula two kilometers SE of Salt Pond, Burin. It is neighbored by another quarry owned by Brenton Investments (outlined in red in the attached photo). Access to the proposed quarry is via an existing road off Green Hill Rd, Burin which leads to other quarries in the area. The access road is owned by the Town of Burin.

The attached photo outlines the location and coordinates marked as A,B,C, and D.



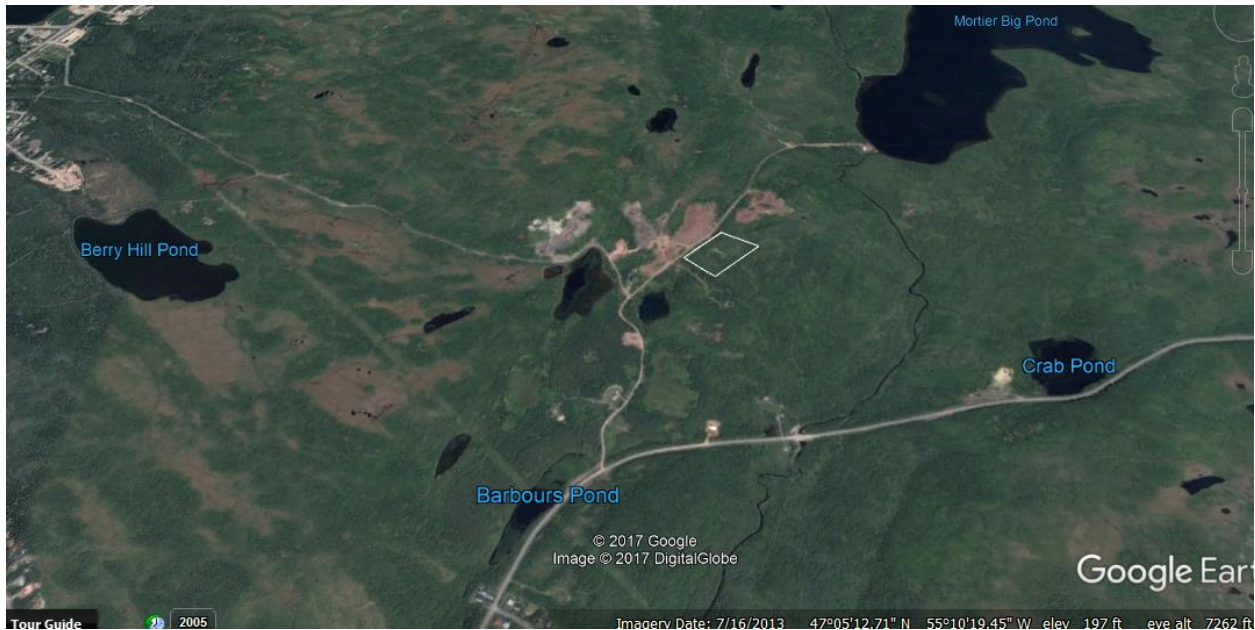
Coordinates:

- A: 638950.44 mE / 5216511.54 mN
- B: 638847.78 mE / 5216422.25 mN
- C: 638931.41 mE / 5216357.10 mN
- D: 639050.64 mE / 5216458.14 mN

Physical Features:

The physical condition of the proposed 2.2 hectare area is forest covered with trees and shrubs. There are no ponds or streams located within the quarry. There are ponds nearby the quarry. Round Pond located 130m SW of the quarry and Barbour’s Pond located 200m. Both ponds are outside the quarry and have no salmon rivers associated with the ponds. The attached photo shows the location of the ponds to the quarry. The closest residential property is 650m from the proposed quarry. The closest commercial business would be Mullets Contracting and Building Supplies, located 2.6 km away from quarry on 479 Main St, Burin. The area around the proposed quarry has been used for other quarries for the past few years. The attached photo shows the physical condition of the land.





Construction:

The construction on the proposed quarry will consist of the ripping method for the purpose of removing gravel from the site. Construction of the quarry will begin with cutting of trees to gain access of materials. Construction of the land will take approximately 3-6 months. The road going into the land will be approx. 15m in length and 10m wide to gain access to the quarry. Equipment that will be used during the construction of the quarry will be a backhoe, excavator and a dump truck. The dump truck will move the overburden. All overburden will be stores on site for rehabilitation at the end of the quarry operation. To minimize potential effects of noise and exhaust emissions, all equipment will be insured to be within regulations for emissions. To prevent soil erosion, if water becomes present, drainage ditches will be used. No buildings will be constructed on the quarry.

Operation:

The operation will involve excavation of slate from the site. There will be an excavator on site to rip the slate and a dump truck to remove the slate off site. The slate would be removed based on the needs of the consumers and contracts throughout the year. The soil layer will be piled aside to use at a later date for reclamation to make sure the land is maintained at all times. The quarry will be refurbished to the standards of Department of Natural Resources when the operation is completed. The road to the quarry and accessing the quarry will have calcium placed on the road to prevent any dust in the area. All equipment on site, such as backhoe, excavator and dump truck, will be maintained and will meet all emission regulations at all times during operation. The main source of pollutants during the operation

of the quarry will be emissions from the equipment running and operating and potential hydraulic leaks. If a hydraulic leak occurs, it will be immediately contained, cleaned and removed.

Refueling of the equipment will involve having a company pickup truck with storage tank and fuel tanks come onto the quarry when needed for refueling. The truck will have a spill kit inside the truck. The site will be maintained with spill kits, first aid kits and fire extinguishers in all equipment.

During operation, the site will have all appropriate signs and safety markers visible.

Operation will begin when all applications and permits have been issued. Operation will be yearly, majority of operation will be in the months of May-October.

Occupations:

Currently BDC Construction is in the beginning stages of a new business. Currently BDC Construction has 3 employees:

1 Lead Foreman (0721)

1 Heavy Equipment Operator (7521)

1 Truck Driver (7511)

BDC Construction will be able to take on more contacts with the quarry which will require hiring of more employees to drive heavy equipment. BDC Construction is an equal opportunity employer.

Project Related Documents:

There is a quarry application submitted to the Department of Natural Resources- File reference 200.20.2564

Quarry Application # 71111994

There is a copy attached of the original application.

APPROVAL OF THE UNDERSTAKING:

The Town of Burin has brought forward at their council meeting on April 5th, 2017 about an application for a quarry 2km SE of Salt Pond in the town of Burin. Council voted and approved the application of the

quarry. In addition from the town, the proposed quarry will require a permit issued by the provincial Department of Natural Resources.

SCHEDULE:

Initial development of the site for excavation is planned for early 2018 with approval. BDC Construction would begin excavation and preparation for the following year.

FUNDING:

The funding will be provided solely by BDC Construction.

September 11th, 2017

Brandon Brushett, Owner/Operator

Mineral Lands Division

REFERRAL LETTER

File Number: 71111994

Permit Number: 135144

Referred: 24-Mar-2017

I have been directed by the Honourable Minister of Natural Resources to submit to you for your concurrence or otherwise, the following application:

Applicant: Brandon Bruschetti
Quarry Location: 2 km SE from Salt Pond
Quarry Materials: Gravel, Rock, Stockpiled Material
Area of site: 2.2
NTS map sheet: 01M/03
Electoral District: Burin - Grand Bank

The site is shown on the attached map. To minimize delay in the processing of this application, we request that any objections be forwarded within 2 weeks of the date of this letter.

If no reply is received by April 7, 2017 your concurrence will be assumed.

Would you kindly complete your reply below and return it to this division. Please attach additional sheets if necessary.

Gerald Kennedy
Manager, Quarry Materials

This application is:

- Approved.
 Approved subject to the stipulations below.
 Not approved, reasons given below.

Comments:

Signed by: _____

Works, Services and Transportation -
Clareville
Government Service Centre - Clareville
Historic Resources
Water Resources Division - St. John's
Crown Lands - Clareville
Inland Fish & Wildlife, Department of
Environment and Climate Change
Forestry - Unit 2, 3 - Clareville, Dept Natural
Resources

Dept Tourism, Culture & Recreation (Eastern)
Environmental Assessment Division
The Town of Burin
Dept of Natural Resources, Andrea
Devereaux
Dept Municipal & Provincial Affairs, Land
Use Planning

QUARRY PERMIT APPLICATION

We Branch Brubett

Address: Box 50 site 18 Burin Postal Code: AOE 1E0

★ Hereby apply for a quarry permit for 2.2 ^{2.2 ha} hectares to expire December 31st, 2017 under the terms and conditions of the *Quarry Materials Act, 1998, SNL 1998*.

QUARRY HISTORY:

Have you had permits for this site previously? YES NO

If Yes, please list the permit or file numbers associated with that site: _____

Are you applying for a permit to the same area you held under permit last year? YES NO

If yes, please complete ONLY the following section.

QUARRY PERMIT RE-APPLICATION SECTION

File Number: _____ Previous Permit Number: _____

I certify that there are no changes or modifications to the size, boundaries or location of the existing quarry permit area or to the method of removal or processing planned at the location.

NOTE: If there are any changes to the size of the quarry, the method of removal or processing, a new application **MUST** be completed for the site.

Date: _____ Name: _____
 Signature: _____
 Position: _____

CONTRACT INFORMATION:

Complete this section if the quarry material is required for a specific contract.

Agency Awarding Contract _____

Address: _____ Phone No.: _____

Contract No. _____ Tender Closing Date: _____

Anticipated Starting Date: _____ Anticipated Completion Date: _____

Amount of material required:

Class A: _____ Class B: _____

Asphalt aggregate: _____ Other (please specify): _____

Have you been awarded the contract? YES NO

LAND OWNERSHIP:

Ownership of the land, best of your knowledge: CROWN PRIVATE

If private, complete the following and attach a letter from the owner authorizing you to occupy the property for the purpose of removing quarry material; confirmation of the title and ownership must be included.

Name of property owner: _____

Address of property owner: _____

Form of Title:

Crown Grant: _____ Date Issued: _____ Volume: _____ Folio: _____

Crown Lease: _____ Date Issued: _____ Number: _____

Other (specify): _____

RECEIVED this 15 day of March 2017 at 2 o'clock 28 p m.

Andria Brubett
 QUARRY MATERIALS

(AD) ★

QUARRY INFORMATION:

For the purpose of removing:

- Sand
- Gravel
- Rock
- Borrow material
- Horticulture peat
- Stockpiled material
- Other (please specify)

The quarry operation will involve:

- drilling and blasting
- Ripping
- Crushing
- Screening
- Washing
- Use of settling ponds
- Pit run removal
- Asphalt batch plant
- Concrete batch plant
- Other (please specify)

NOTE:
Topsoil removal is NOT permitted

* Proposed end use of material: Basic silt / fill back fill
 Location of end use material: Burin Area (AD)

SITE PREPARATION:

At the time of application, the site being applied for must be clearly marked on the ground with a company sign and flagging to mark the corners and to outline the area.

Is the site visible from nearby highways or main roads? YES NO

Is there existing access to the quarry site (e.g., road, trail)? YES NO

Describe the type of vegetation cover over the area to be quarried (e.g., forest, scrub, barren, etc.):

Forest / scrub mainly green trees / etc
 Describe marking, if any in addition to the above required markings:

LAND USE INFORMATION:

◆ Is the site being applied for an existing quarry? YES NO
 If yes, what are the dimensions of the quarry? Width: _____ Length: _____ Average face heights: _____

◆ Are there any structures (e.g., house, fence, pole line) within the boundaries of the quarry site? YES NO
 If yes, describe the structures & give distances from the site: _____

◆ Are there any brooks, rivers, ponds or streams within the boundaries of the quarry site? YES NO
 If yes, specify type of water body: _____

◆ Are there any brooks, rivers, ponds or streams within 200 metres of the boundaries of the quarry site? YES NO (AD)
 If yes, specify type of water body and give distances from the site: Small pond ~130m SW
pond ~200m WSW

◆ Is there any land being used within a 300 metre radius of the boundaries of the quarry site? YES NO (AD)
 If yes, describe the land and give distances to the site: Brenton Investments (30m) quarry
Kevin Wash (80m) quarry (opposite side of road) March 11

LOCATIONAL INFORMATION:

Describe the location of the proposed quarry with reference to the UTM grid (NAD 1927) on a 1:50,000 topographic map. Description must include NTS map sheet, UTM zone and the co-ordinates. List co-ordinates of each corner in the spaces provided below. Additional coordinates may be listed on an additional sheet and attached to this application.

VAD 83 Coordinates: NTS MAP SHEET (e.g., 01N/10): 01M/03 (AD) UTM ZONE: 19 20 21 22

1. <u>639068.59</u> mE <u>5216445.49</u> mN	5. <u>639065</u> mE <u>5216452</u> mN
2. <u>638978.70</u> mE <u>5216533.43</u> mN	6. <u>638970</u> mE <u>5216541</u> mN
3. <u>638850.83</u> mE <u>5216446.03</u> mN	7. <u>638844</u> mE <u>5216421</u> mN
4. <u>638940.10</u> mE <u>5216330.11</u> mN	8. <u>638936</u> mE <u>5216334</u> mN

NAD 27
Centre
638950
5216440
(AD)
March 11

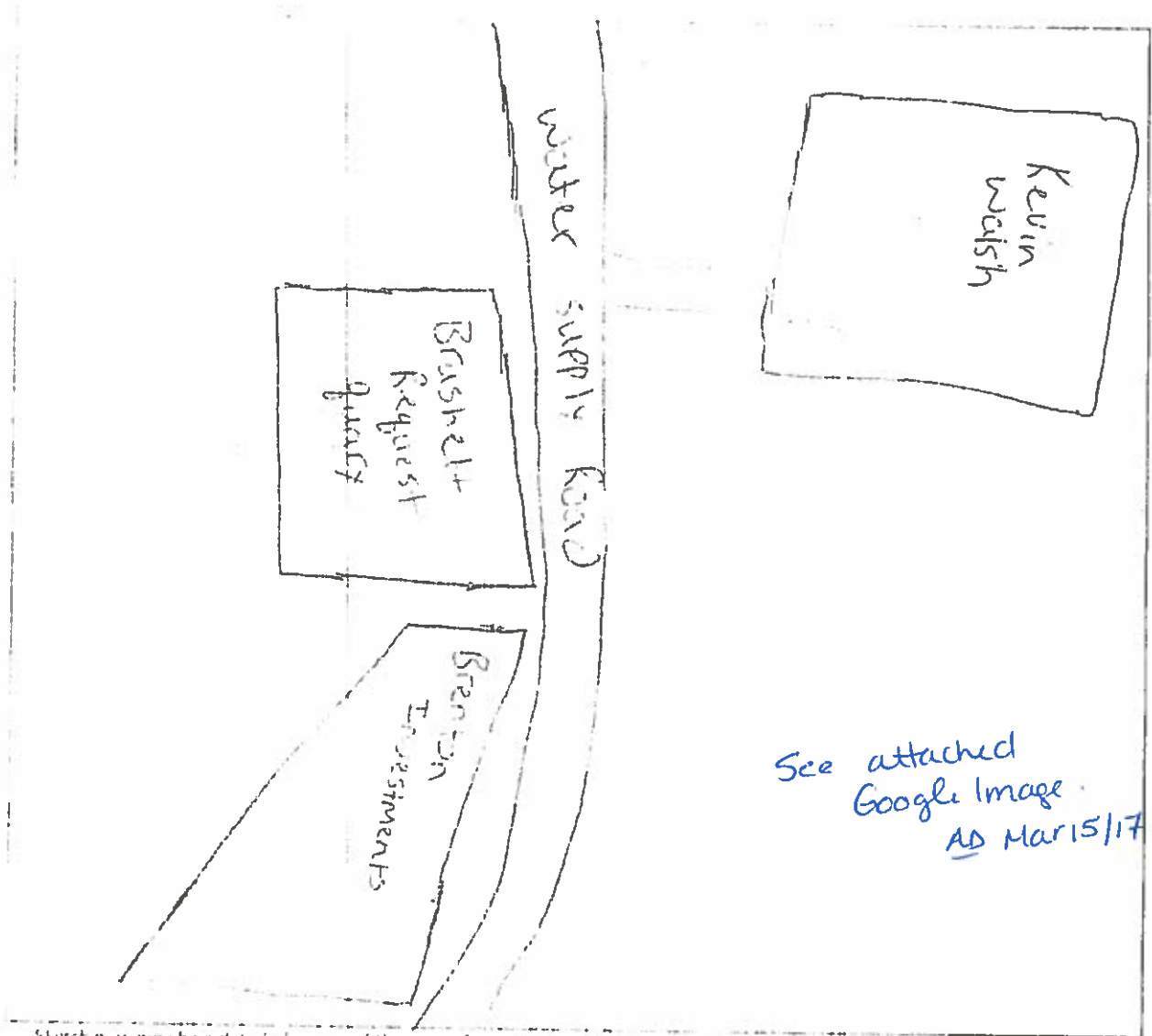
Describe the location of the proposed quarry with reference to nearby prominent landmarks (road intersections, bridges, ...)

SKETCH OF QUARRY SITE

120⁺ Per Hectare of land

In the space below, draw a sketch showing the following:

- the boundaries and distance between corners of the site being applied for,
- outline of existing quarry (if one exists),
- distances of all features within the quarry site,
- all features within a 300 metre radius of the boundaries of the quarry site, including all features listed in the "Land Use Information" section of this application
- the proposed access to the site and the distance the quarry site is set back from the highways or main roads.
- the location of where the UTM co ordinates were taken.



Sketch may be a detailed survey of the area of the permit location of the permit on a detailed cadastral or forest inventory map, a detailed aerial photograph or a Google Earth Image

I certify that the information contained in this application is correct

Name	Brandon Brushett	Phone No. (Business)	709 277 1908
Signature	<i>Brandon Brushett</i>	Fax No.	
Position	owner	Email address:	Brandon.Brushett@hotmail.com
Date	March 15/17		

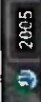


Brenton Investments
 File No. 7115206
 3.5 ha

Brandon Bruschett
 New Application
 2.2 ha

Image © 2015 DigitalGlobe

Google earth



2005

Imagery Date: 7/21/2005 21 T 639027.53 m E 5216539.60 m H elev. 0 m eye alt 632 m



