



**ORIGINAL**

Joanne Sweeney  
Environmental Scientist  
Environmental Assessment Division  
Department of Environment and Climate Change  
PO Box 8700, St. John's NL A1B 4J6  
Tel. (709) 729-2822; Fax (709) 729-5518

**NAME OF UNDERTAKING:** Quarry for construction materials. (Rock, Gravel, and Sand)

**PROPONENT:**

(i) Name of Corporate Body: **Redwood Construction Limited**

(ii) Address: **961 Topsail Road. Mount Pearl, NL A1N 3K1**

(iii) Chief Executive Officer:

Name: **Steve Howell**

Official Title: **General Manager**

Address: **961 Topsail Road. Mount Pearl, NL A1N 3K1**

Telephone No: **709-745-7888**

(iv) Principal Contact Person for purposes of environmental assessment:

Name: **Vince Gibbons**

Official Title: **Project Manager**

Address: **961 Topsail Road. Mount Pearl, NL A1N 3K1**

Telephone No.: **709-690-7946 / 709-745-7888**

**THE UNDERTAKING:**

(i) Name of the Undertaking: **Construct quarry**

(ii) Purpose/Rationale/Need for the Undertaking: **Rock, Gravel, and Sand for construction materials.**

## DESCRIPTION OF THE UNDERTAKING:

### (i) Geographical Location:

- Site is located approximately 1.2 KM South on Daniels Road from intersection with Conception Bay Highway, CBS. Site area is 5.3 Ha with approximately 7.5 Meter frontage.
- See attached map of site. Appendix "A"

### (ii) Physical Features:

- Site will be an open quarry, no buildings are proposed for site. Access will be one gravel road off Daniels Road, CBS.
- Area of quarry will be 5.3 Ha.
- Surrounding this site is another quarry 125 Meters to the South, Agricultural land 110 Meters to the North, Rear property is Crown land, and Opposite side of road is Crown title 175 Meters West.
- The site consists of forest, barren, and tundra. There no streams or water bodies within 200m of project boundary.
- Nearest residence is approximately 175 meters from access road and 220 meters from site.

### (iii) Construction (if applicable):

- Construction period is seasonal/ as required with construction year.
- Proposed date of first physical construction related activity on site – April 2017
- Dust will be the only potential source of pollutant. This will be controlled with the use of water trucks during operation. All Construction equipment have spill kits and trained operators, in the case of truck or excavator breakdown.
- Overburden on site will be stockpiled and re-used onsite to replace gravel removed from site.
- Types of equipment to be used onsite are: Excavators, tandem dump trucks, watertrucks for dust control, separator machine, front end loader, and pick-up trucks. All equipment to have emergency spill kits to mitigate any pollution sources.
- New gravel road construction will be required for access to site. Approximately 100 meters long and 10 meters wide.
- Construction and operation of quarry will occur within the local by-laws for normal work hours to avoid disruption to residential neighborhood. Throughout operation, dust will be controlled onsite with water truck.

**(iv) Operation:**

- Operation will be on an as required basis. Mobilize excavator to quarry to load trucks for construction materials.
- Estimated period of operation, if not a permanent facility. – Spring to Fall of each year.
- Potential sources of pollutants: Dust pollution from haul roads. Liquid spills / Leaks from equipment.
- Onsite activities include excavation of granular material, separating material, and loading material into trucks for construction use offsite.
- Erosion and sediment control measures: We will be installing a perimeter ditch around area of activity. Silt fencing will be installed throughout the perimeter of the undertaking. Onsite settling ponds will be used onsite on an as required basis.

**(v) Occupations:**

- Approximately 5 Persons will be involved in quarry during construction.
- Occupations anticipated for this undertaking according to the National Occupational Classification 2006:
  1. 8221 Supervisor, Quarry
  2. 7521 Heavy Equipment Operators
  3. 7302 Contractors and supervisors, Heavy equipment operator crews.
  4. 7411 Truck Drivers
- Direct hire for supervision, equipment operator, and maintenance. Contract out tandem trucks on an as required basis.
- All employees have the right to know, right to participate, and right to refuse any tasks.

**(vi) Project Related Documents:**

- Quarry application attached

**APPROVAL OF THE UNDERTAKING:**

List the main permits, licences, approvals and other forms of authorization required for the undertaking, together with the names of the authorities responsible for issuing them (e.g. federal government department, provincial government department, municipal council, etc.)

- 1. Application to develop land: Service NL.**
- 2. Application for a quarry permit: Dept. Of Natural Resources.**

**SCHEDULE:**

**Earliest start would be April 2017. Latest start would be October 2017.**

**FUNDING**

**Under own funding.**

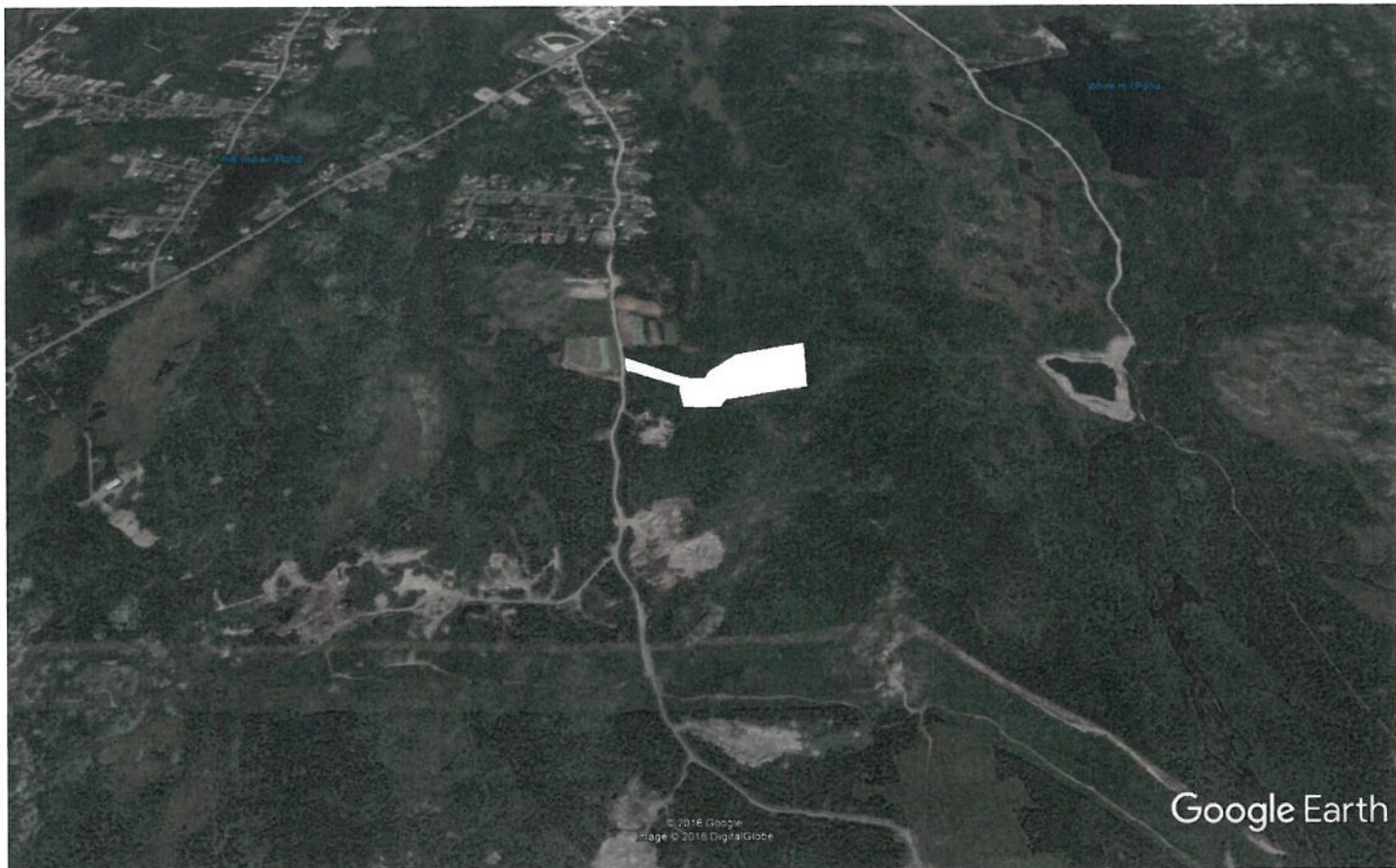
March 8/17

Date



Signature of Chief Executive Officer

Appendix 'A': Google earth site location.



Google Earth

feet 3000  
meters 900







Google Earth





Google Earth





## Appendix “B”: Quarry Application



Government of Newfoundland and Labrador  
Department of Natural Resources  
Mineral Lands Division

### APPLICATION FOR A QUARRY PERMIT

*The information you are providing will only be used for the purpose for which it has been provided.*

#### Instructions:

- Please type or print clearly
- Mail or email completed form with rental fee and a site location map. Faxes are NOT accepted.
- Use additional sheets if necessary

### GENERAL INFORMATION

All applications for regular quarry permits are referred to the appropriate government departments and municipal authorities, etc., for comment before a final decision is made regarding whether to issue a permit. This process normally takes two weeks.

In many cases, depending upon the location of a proposed quarry development, municipalities and departments other than the Department of Natural Resources have legislative control over certain aspects of the development. We endeavor to get approval from all other departments prior to issuing a permit. However, development permits from municipalities or certificates of approval or authorizations from other government departments may be necessary before quarrying or development of the quarry can commence. The issuance of a quarry permit from this department does not relieve the applicant of the obligation to obtain all other permits that may be required by law respecting a quarry development.

Quarry Permits are valid for a period not exceeding one year, and always expire on December 31 of the year issued. Normally quarry permits are issued for an area not exceeding 5 hectares. A rental fee of \$120.00/hectare must accompany the application. A royalty of 75 cents/cubic metre is payable within 60 days of the December 31 expiry date of this permit.

#### Completed application forms to be mailed/emailed to:

Mineral Lands Division  
Department of Natural Resources  
P.O. Box 8700  
St. John's, NL  
A1B 4J6

#### Contacts:

Gerald Kennedy: (709) 729-6447  
[GeraldKennedy@gov.nl.ca](mailto:GeraldKennedy@gov.nl.ca)

Joanne Jones: (709) 729-4044  
[jjones@gov.nl.ca](mailto:jjones@gov.nl.ca)

Fax: (709) 729-6762

Website: [www.gov.nl.ca/nr/mines/quarries](http://www.gov.nl.ca/nr/mines/quarries)

This application is to be accompanied by a 1:50,000 topographic map showing the location of the site being applied for. These maps are available online on the Geoscience Resource Atlas (<http://geoatlas.gov.nl.ca>) or at the Lands Branch, Department of Government Services in St. John's, Gander, Corner Brook and Goose Bay.

THE DEPARTMENT HAS ISSUED NEW GEOREFERENCING STANDARDS FOR QUARRY PERMITS.  
PLEASE REVIEW THESE STANDARDS PRIOR TO SUBMITTING YOUR APPLICATION.

Incomplete application forms will NOT be processed and will be returned as submitted.

## QUARRY PERMIT APPLICATION

I/We Requard Construction Limited

Address: 761 Jopraill Road, Mount Pearl, NL Postal Code: A1A 3K1

Hereby apply for a quarry permit for 5.3 <sup>(40)</sup> hectares to expire December 31<sup>st</sup>, 2016 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): \_\_\_\_\_

**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:

Location of end use material:

contractual requirements on various jobs  
will vary depending on job

**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, grass, tundra  
Describe marking, if any in addition to the above required markings:

Survey stakes with orange and green flagging

**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 &amp; 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

If yes, specify type of water body and give distances from the site: \_\_\_\_\_

♦ Is there any land being used within a 300 metre radius of the boundaries of the quarry site? ☒ YES ☐ NO

If yes, describe the land and give distances to the site: quarry is 125 m to the south  
and agricultural is 110 m to the north. Corner title is 175m  
to the west (each side of road)

**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.

See revised coordinates on attached Google Img. As per email dated June 17/16.

NTS MAP SHEET (e.g., 01N/10): 01N/06 AD UTM ZONE: ☐ 19 ☐ 20 ☐ 21 ☒ 22

1. 343965	mE	5255976	mN	5. 344180	mE	5255993	mN
2. 344081	mE	5255986	mN	6. 344317	mE	5256005	mN
3. 344115	mE	5255977	mN	7. 344305	mE	5255970	mN
4. 344127	mE	5255945	mN	8. 344157	mE	5255835	mN
9. 344144	mE	5255837	mN	10. 344075	mE	5255840	mN

Describe the location of the proposed quarry with reference to nearby prominent landmarks (road intersections, bridges, etc.) to nearest tenth of a kilometre:

11. 344068 mE 5255900 mN 12. 343908 mE 5255942

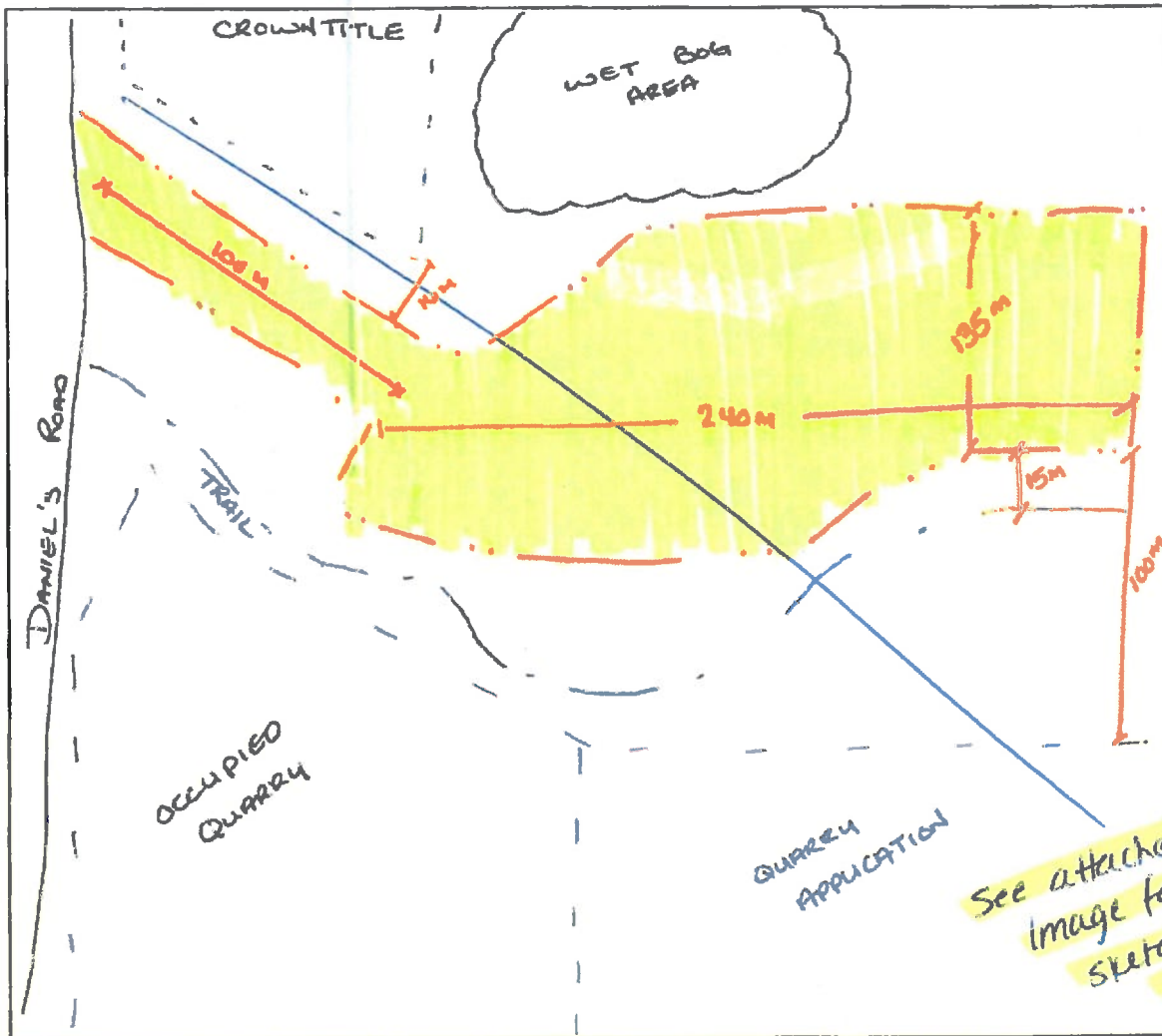
NAD 27, Zone 22 Approx Centre: 344,260 mE 5,255,720 mN

AD  
July 25/16

## SKETCH OF QUARRY SITE

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



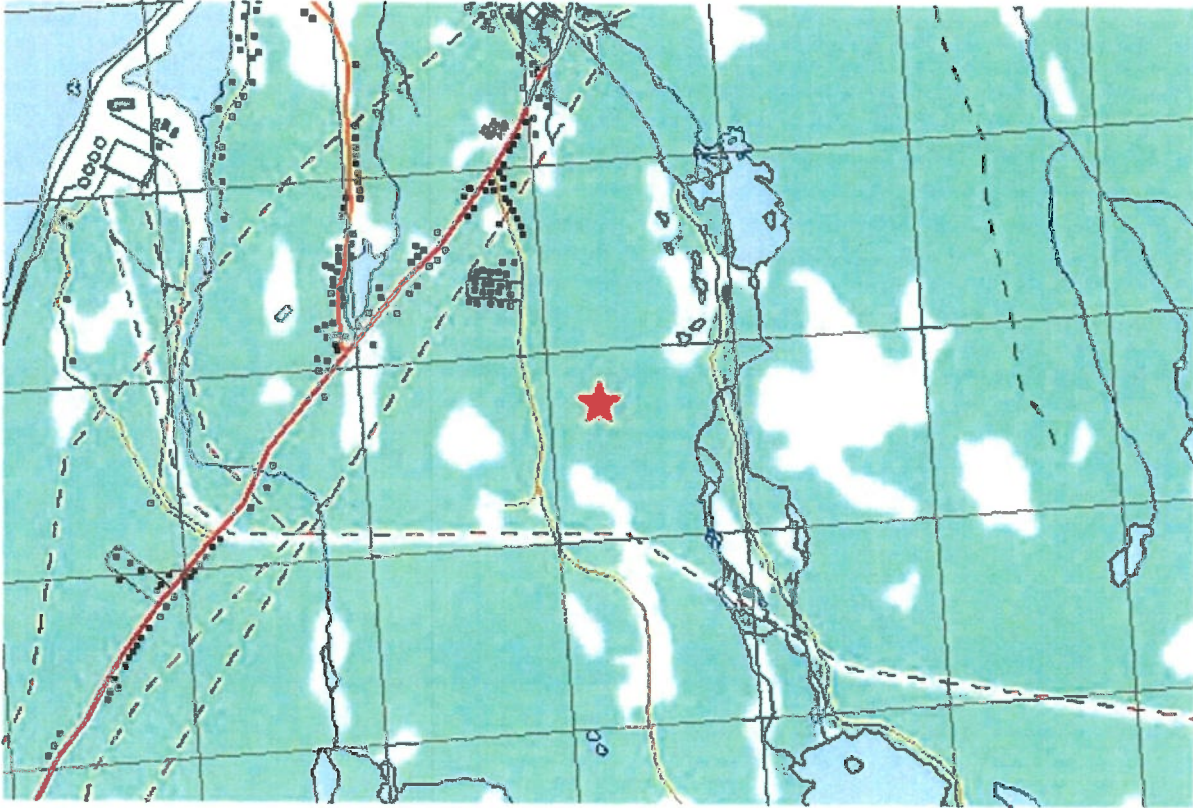
Sketch map may be a detailed survey of the area of the permit; location of the permit on a detailed cadastral or forest inventory map; a detailed aerial photograph or a Google Earth Image.

I certify that the information contained in this application is correct.

Name:	<u>Mike Legg</u>	Phone No. (Business):	<u>690 7946 (C)</u>
Signature:	<u>M. Legg</u>	Fax No.	<u>745 7850</u>
Position:	<u>PROJECT MANAGER</u>	Email address:	<u>mlegg@redwoodconstruction.ca</u>
Date:	<u>02 - JUNE - 2016</u>		

At.  
July 25/16.

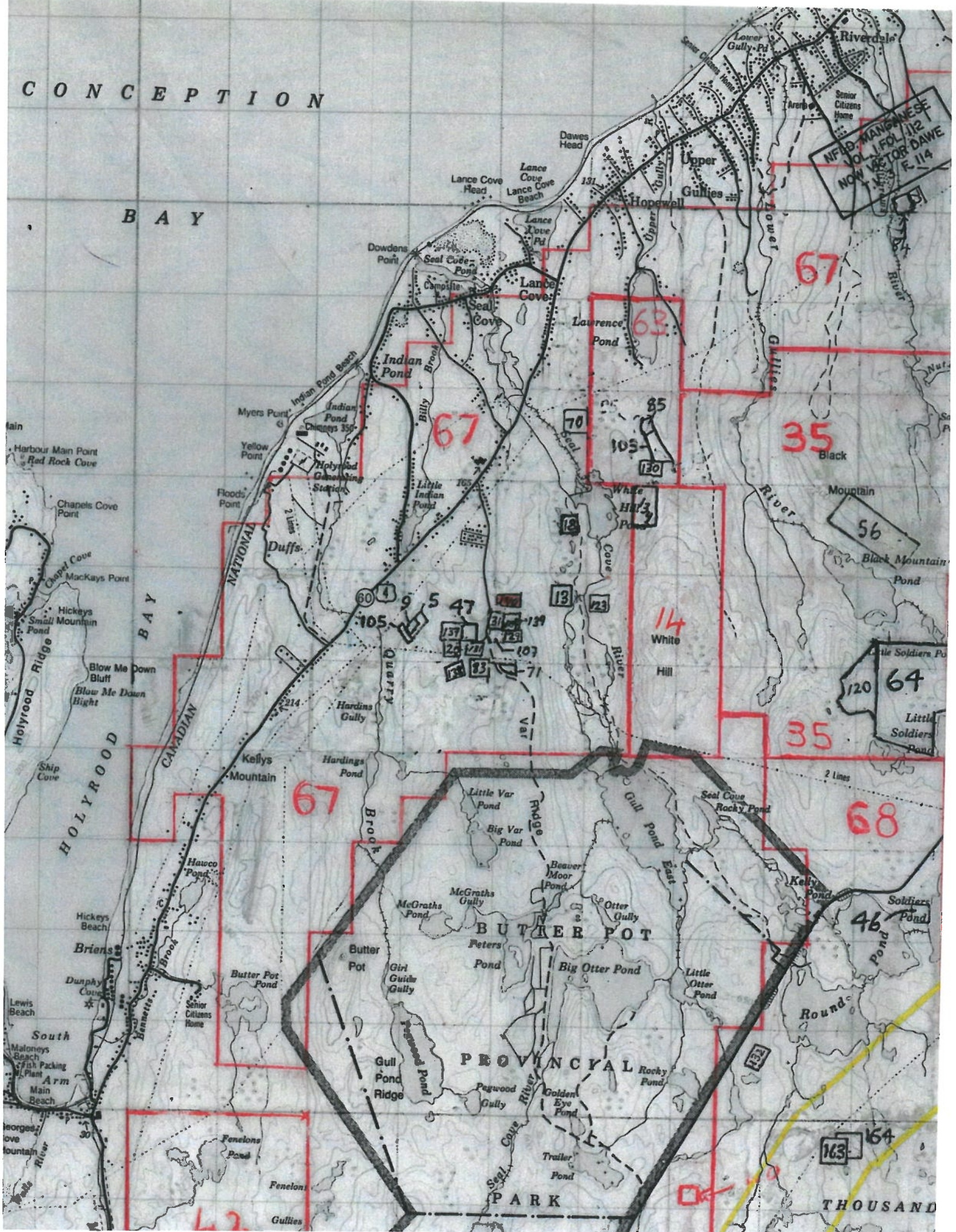




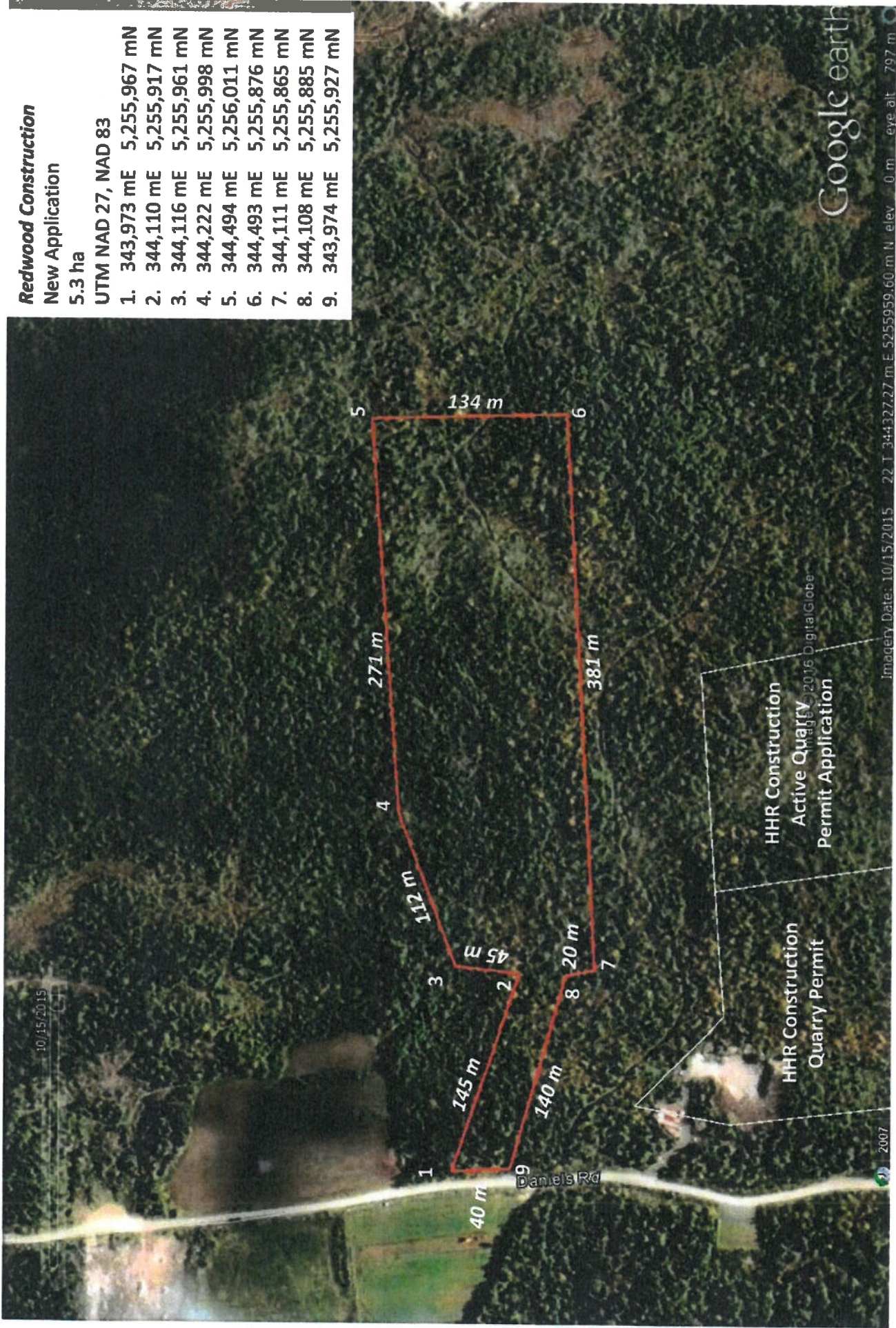


C O N C E P T I O N

B A Y







## Appendix "C": Application to Develop Land

Preliminary Application  
to Develop Land

For Office Use Only

File No.	_____
People RSN	_____
Property RSN	_____

Please place a check in the box to indicate the area for which you are making application

1	Protected Road Zoning Regulations <input type="checkbox"/>	Gander River Protected Area Regulations <input type="checkbox"/>
	Butterpot - Willess Bay Line Environs Development Control Regulations <input checked="" type="checkbox"/>	Marble Mountain Protected Area Land Use Zoning Regulations <input type="checkbox"/>

Location

2	Location <i>Daniel's Road, Conception Bay South, NL</i>
	Give distance from prominent landmark to nearest tenth of kilometre <i>Approx 1.2 Km South on Daniels Rd from Intersection with Conception Bay Highway</i>
	Marking of site (describe) <i>Surveyed stakes with orange and green flagging.</i>

Applicant Information

3	Name <i>Redwood Construction Limited</i>
	Address <i>961 Topsail Rd</i>
	City/Town <i>Mount Pearl</i>
	Postal Code <i>A1N 3K1</i>
	Telephone <i>(709) 745-7888</i>
	Fax <i>(709) 745-7850</i>
	If submitted by an agent or person other than applicant
	Name of Agent <i>NA</i>
	Address of Agent <i>NA</i>
	Telephone <i>NA</i>

Type of Development

4	Residential <input type="checkbox"/>	Collage <input type="checkbox"/>	Commercial <input type="checkbox"/>	Extension <input type="checkbox"/>	Accessory Building <input type="checkbox"/>	Access <input type="checkbox"/>	Other <input checked="" type="checkbox"/> <i>Quarry</i>
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Describe proposed development

5	Describe proposed development <i>Construct Quarry for Construction Material's Rock, Gravel, and Sand.</i>
	Approximate cost _____
	If extension, size of existing building <i>NA</i>
	Width _____ Length _____ Height _____ Set back from road centre _____
	Use of Proposed Buildings
	(a) Use _____ Size _____ X _____ Set back from road centre _____
	(b) Use _____ Size _____ X _____ Set back from road centre _____
	(c) Use _____ Size _____ X _____ Set back from road centre _____
	List any Buildings to be Demolished _____

Size of Land Development

6	Area <i>5.3 Ha</i>	Frontage <i>7.5 m</i>	Side <i>340m</i>
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Land Ownership

7	Crown Land <input checked="" type="checkbox"/>	Private <input type="checkbox"/>	Applicant's Interest in Land Lessee <input type="checkbox"/> Owner <input type="checkbox"/> Prospective Lessee or Owner <input type="checkbox"/>	Area of Adjacent Land in Same Ownership, if any _____ m <sup>2</sup> /ha
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Continued on Reverse



**8 Present Uses of Adjacent Land (residential, Commercial, Unused, Etc.)**

Side Quarry 0.5m South Side Agricultural 110m North Rear Crown Opp. Side of Road Crown Title 15m West

**9 Services**

Existing Services  
Water Supply NA Sewage Disposal NA  
Proposed Services  
Water Supply NA Sewage Disposal NA

**10 Type of Vegetation**

Type of Vegetation (Forest, Scrub, Barren, Cleared, etc.)

Forest, Barren, Tundra

**11 Describe Proposed Means of Access to Site (Give number of vehicular accesses proposed)**

One (1) Gravel access Road off Daniels Road to Site.

**12 Applicant's Signature**

Applicant's Signature

[Signature]

Date (YYYY-MM-DD)

2016/09/28

**13 Notes on Completion of Form**

1. This form is not valid unless all questions are answered correctly and the form signed and dated.
2. This form must be accompanied by two copies of a location plan sufficiently detailed so as to enable ready identification of the site.
3. It is essential that the proposed site be marked with corner posts or stakes with the applicant's name or some means of identification such as a colored flag, etc. Type of marking must be stated in Section 1 of this form.
4. Where appropriate, applicant should specify whether measurements are Imperial or metric.

This is **NOT** an application for lease or grant of Crown Land. A separate application must be made.

**14 Routing Information**

Send ALL completed copies to Government Service Centre, Service NL at the office location nearest you:

**MOUNT PEARL**  
Motor Registration Building  
149 Smallwood Drive  
P. O. Box 8700  
Mount Pearl, NL  
A1B 4J6

**CLARENVILLE**  
8 Myers Avenue  
Clareville, NL  
A5A 1N2

**GANDER**  
Fraser Mall  
P. O. Box 2222  
Gander, NL  
A1V 2N9

**GRAND FALLS-WINDSOR**  
9 Queenway  
Grand Falls-Windsor, NL  
A2A 1W9

**CORNER BROOK**  
Sir Richard Squires Building  
P. O. Box 2006  
133 Riverside Drive  
Corner Brook, NL  
A2H 6J8

**HAPPY VALLEY-GOOSE BAY**  
Thomas Building  
P. O. Box 3014, Stn. B  
13 Churchill Street  
Happy Valley-Goose Bay, NL  
A0P 1E0

**PRIVACY NOTICE**

The Government Service Centre collects personal information relating to land development under the authority of the Health and Community Services Act and the Water Resources Act. Personal information collected by the Government of Newfoundland and Labrador is protected under the Access to Information and Protection of Privacy (ATIPPA) Act. If you have any questions about the collection or use of this information, please contact a Government Service Centre representative at your nearest Service NL office.



Google earth

miles  
km

1

2



Google earth



Google earth

Google earth

miles  
km

1

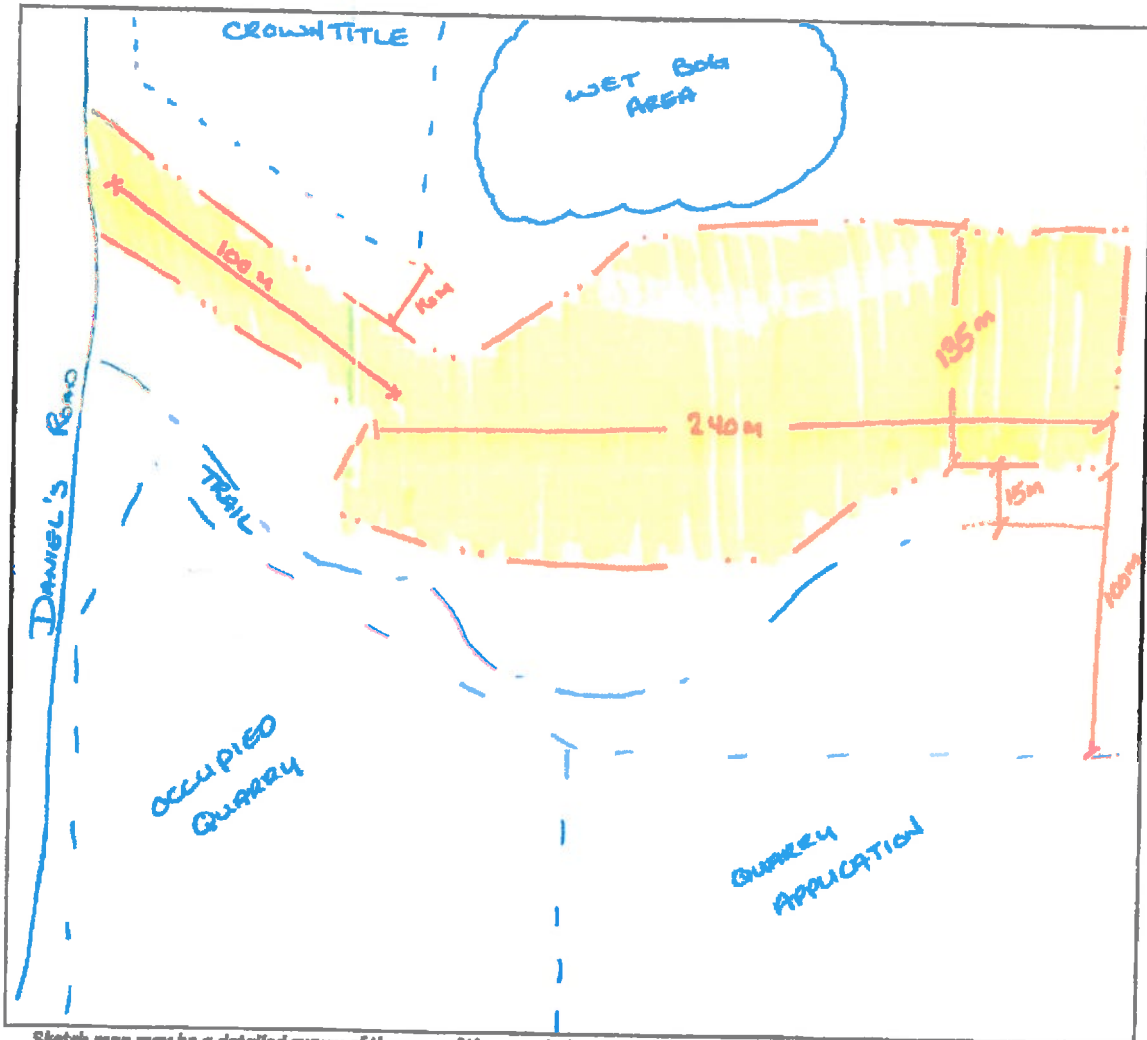
2



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- outline of existing quarry (if one exists),
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- 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 map 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: Mike Legg

Phone No. (Business): 6070 7944 (C)

Signature: [Signature]

Fax No. 745 7050

Position: Project Manager

Email address: m.legg@redwoodconstruction.ca

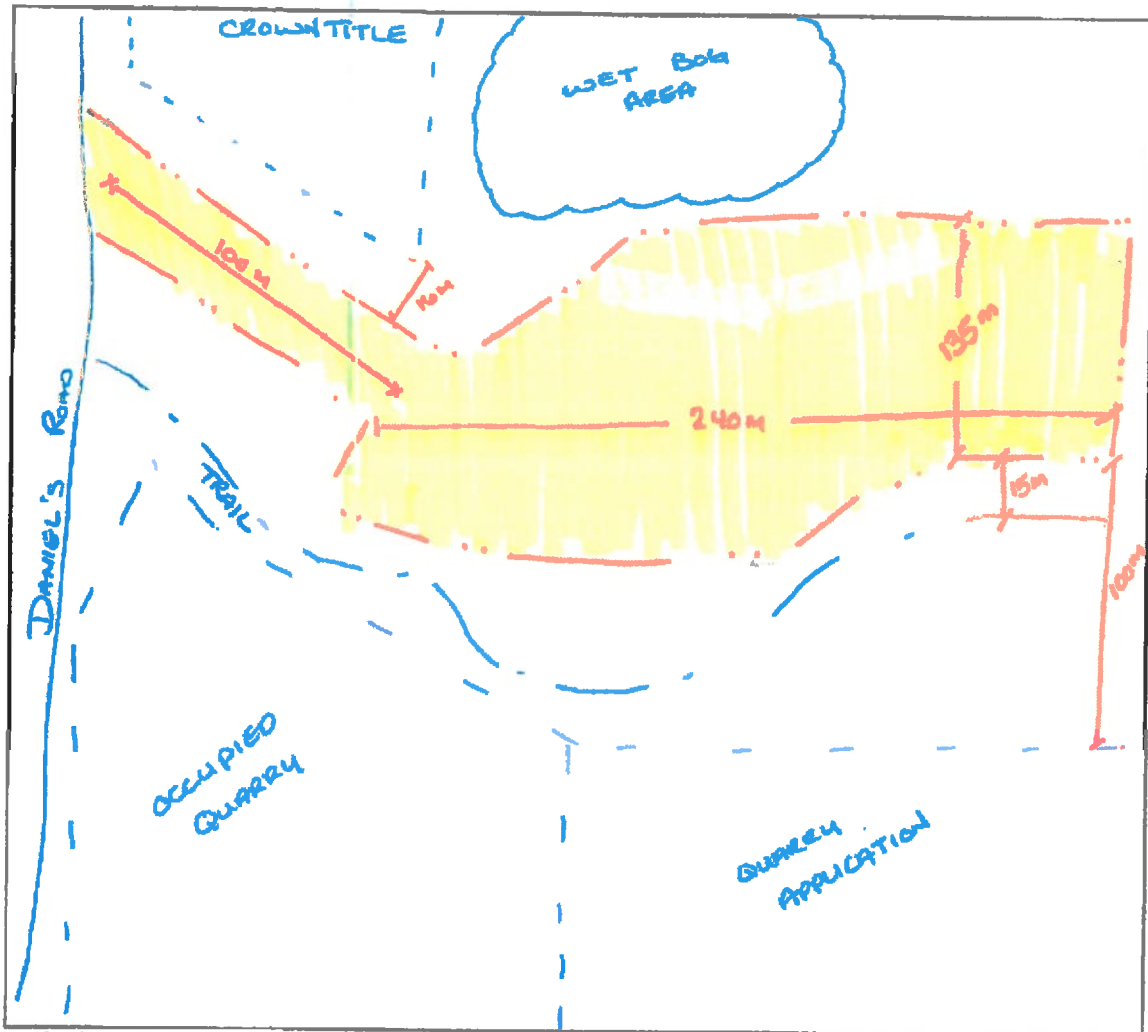
Date: 02-JUNE-2016



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Name: Mike Legg

Phone No. (Business): (670) 7946 (C)

Signature: M. Legg

Fax No.: 745 7050

Position: Project Manager

Email address: mlegg@cedwoodconstruction.ca

Date: 02 - JUNE - 2016