



BRITISH
COLUMBIA

Ministry of Energy, Mines and
Petroleum Resources

Sand and Gravel/Quarry Operation
Notice of Work and
Reclamation Program

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Application is for:

☐ Sand and Gravel Mine

☒ Rock Quarry

This application is for (check one):

☒ Development ☐ Amendment to existing permit

Permit # _____

Application is being made by:

☐ Owner (Private property)

☒ Operator/Agent (Person or company making application on Crown land or on private property not owned by applicant)

Name LNB Construction Inc

E-mail Address: slacy@lnbconstruction.com

Company (if applicable) _____

Address Box 370

City Merritt

Bus. Phone (250) 378-4524

Province BC

Postal Code V1K 1B8

Fax (250) 378-4764

LOCATION INFORMATION - Maps are mandatory under Schedule A

Name of Mine (What will the operation be called when in production?): Midday Rock Quarry

Legal Description of Property: South-eastern section of DL 1229

Street Address of Property, if applicable: _____

Access route from nearest town to property: Leave LNB Construction office (2581 Lauder Ave), head east on Nicola Ave 300m, then south on Houston St for 2.4kms, and then proceed 8kms south on Midday Valley Road, the pit is located on the east side of road.

B.C. Geographic System Map Sheet Number(s) [i.e. TRIM 093L.006] _____

Northing: 656053

Easting: 5549228

UTM Zone: 10

or NTS Map Sheet Number(s) [i.e. NTS 093L/14E]: _____

Latitude: 50 ° 04 ' 29.4 " N

Longitude: 120 ° 49 ' 08.6 " W

OWNERSHIP (Complete a, b or c if the land is not privately held by applicant)

a) Proposed mine is on private land:

Name of property owner _____

Address _____

City _____

Bus. Phone () _____

Province _____

Postal Code _____

Fax () _____

Signature of owner agreeing to the mining operation proposed in this application (or attach letter of authorization signed by owner): _____

Name: _____

Date: _____

b) Proposed mine is on Crown land:

Assets and Lands Corporation (BCAL) file reference number: 3411931

License of Occupation/Lease number: Pending Expiry date of License/Lease (y/m/d): _____

c) Proposed mine is a mineral quarry (as defined under the *Mineral Tenure Act*):

What mineral is proposed to be mined? _____

Mineral Claim/Lease Tenure Number(s): _____

MANAGEMENT

Correspondence regarding this application should be sent to: ☐ Owner or ☒ Operator/Agent

The mine manager (*Mines Act* Sections 21 and 22) responsible for management and operation of the mine will be:

Name: Slacy Galbraith

Bus. Phone: (250) 378-4524



LAND USE

1) **Cultural Heritage Resources** (A cultural heritage resource is defined as "an object, a site or the location of a traditional societal practice that is of historical, cultural or archaeological significance to British Columbia, a community or an aboriginal people". B.C. law requires the conservation of these resources. It is the responsibility of the applicant to identify these resources.

Are you aware of any cultural heritage resources present on the property?

- ☐ Yes - please attach a plan for the conservation of cultural heritage resources on the property
☒ No - if cultural heritage resources are discovered while mining, you are required to report them to the Mining Division.

2) Soil Conservation

Average depth of overburden (material, including topsoil, overlying sand, gravel and/or rock): 5 cm, or m

Average depth of topsoil (Surface to maximum rooting depth of plants, plus 15 cm.): 30 cm, or m

Measures to stabilize soil/overburden stockpiles and control noxious weeds: Soil/Overburden stockpiles will be kept to a minimum size and sprayed for noxious weeds.

Topsoil must be conserved for reclamation of the mine site.

Removal of topsoil from the site requires written approval of the Inspector

3) End Land Use

Is the site within the Agricultural Land Reserve?

- ☒ No ☐ Yes - authorization for soil removal from the Land Reserve Commission and Regional District must be obtained. Provide permit application number if available:

Is the site within the Forest Land Reserve?

- ☒ No ☐ Yes - authorization from the Land Reserve Commission must be obtained

Is the site within a Tree Farm License?

- ☐ No ☒ Yes - state the TFL number: A18696

Name of TFL holder: TOLKO INDUSTRIES, NICKLA DIVISION

Does the local government have a Soil Removal Bylaw?

- ☒ No ☐ Yes - please be aware that a Soil Removal Permit may be required by the local government

Official Community Plan designation for the site is: N/A

Current land use zoning for the site is: RL-1

Proposed end land use is: Return land to current grass/forested area

4) Reclamation of Site (If space provided below is insufficient, please attach separate sheet describing proposed reclamation)

Reclamation measures and schedule proposed to achieve end land use objectives as per part 10.7.4 and 10.7.5 of the Health Safety and Reclamation Code for Mines in British Columbia (hereafter referred to as the Code): The disturbed area will be reclaimed using available topsoil on site and seeded with a natural grass seed mix

If backfilling of pits or pit slopes is proposed in the final configuration for reclamation, provide details of materials to be used and placement procedure: N/A



MINE DEVELOPMENT PLAN (Maps are mandatory - please refer to Schedule A)

Unless otherwise required by the Inspector, complete the following mine development plan and prepare development maps and cross sections based on a period of 5 years or less. Mines operating for longer than 5 years, may be required to file updated Notices of Work every 5 years over the life of the mine at the discretion of the District Inspector.

Proposed start date (y/m/d): 09/11/01 Proposed finish date (y/m/d): 19/11/01

The mining operation will generally be (check one) ☒ Continuous (operates throughout the year)

☐ Seasonal, usually operates from _____ to _____
☐ Intermittent (occasionally operates with extended periods of inactivity)

Estimate total mineable reserves over the life of the mine: 200,000 tonnes, or m³

Estimated annual extraction from site: 20,000 tonnes/yr, or m³/yr

Application must be made to the Environmental Assessment Office if estimated extraction for sand/gravel production is 500,000 tonnes/yr. or 1,000,000 tonnes over 4 years; or if estimated extraction is 250,000 tonnes/yr. for quarried product.
Mineral quarries producing more than 1000 tonnes per year per claim require a mining lease.

Description of Work (Check appropriate boxes):

- ☒ Excavation of Pit Run ☐ Washing - please complete Schedule B
☒ Crushing ☒ Blasting - please complete Schedule C
☒ Mechanical Screening ☒ Timber Clearing * - estimate volume of timber: _____ m³

* Timber Clearing on Crown Land requires a Free Use Permit or License to Cut from the Ministry of Forests

Provide a brief description of operation, including proposed work schedule (i.e. hours, days of usual operation): Operations will run between 8am and 9pm Monday through Saturday during working periods. Blasting will occur at the start of the pit operations, then proceeding to crushing, screening, excavating and removal of material.

Equipment List: (Please attach separate list if space provided below is insufficient)

Type of Machine	Make/Model	Size/Capacity	# on Site
Excavator	John Deere	225	1
Dozer	John Deere	750	1
Loader	John Deere	744	1
Crusher			
Screening Plant			

Surface Disturbance - Information provided must be documented in development maps submitted under Schedule A

(Note that 10,000 m² = 1 hectare)

Existing Disturbance (Work areas, unreclaimed areas, access roads, etc.) _____ m², or _____ 0.5 hectares

Proposed Mining Disturbance (New work areas, settling ponds, access roads, buildings, etc. to be developed within the time frame of this Notice of Work) _____ m², or _____ 6.0 hectares

Total Disturbed Area (Existing + Proposed Disturbance) _____ m², or _____ 6.5 hectares

Will any portion of this disturbance be reclaimed within the time frame of this Notice of Work?

☐ No ☒ Yes - state size of area to be reclaimed: _____ m², or 6.5 hectares

Estimated Cost of Reclamation: Applicant \$ 7000.00

Mining Division \$ _____



Are settling ponds or other structures proposed to control sedimentation in surface run off?

☒ No ☐ Yes - please complete Schedule B

What is the average depth to the high groundwater table at the proposed excavation? _____ m

Elevation of the groundwater table was determined from (check applicable boxes):

☐ Existing area wells ☐ Test wells drilled for this purpose
☐ Test pits ☒ Other (describe) _____ core sample hole drilling _____

Describe measures proposed to protect groundwater quantity and quality from potential impacts of the proposed mining activity (i.e. fuel management program, buffer above water table, etc.): All spills will be contained immediately, no fueling of equipment within 300m of any water source

Note that excavations below the groundwater table may require special approval from the Inspector

Will fuel/lubricants be stored on site? ☒ No ☐ Yes

If yes, handling, transportation and storage must adhere to B.C. Environment standards as detailed in "Summary of Environmental Standards and Guidelines for Fuel Handling, Transportation and Storage, 2nd edition"

Shortest distance between proposed excavation to nearest residence: _____ m, or _____ 8.0 _____ km

Shortest distance between proposed excavation to nearest residential water source: _____ m, or _____ 8.0 _____ km

Describe measures proposed to prevent inadvertent access of unauthorized persons on the mine site (i.e. fencing, vegetative barriers, berms, etc.): No Trespassing Signs, gate at entrance of road.

Are measures proposed to minimize noise impacts of the operation? (i.e. equipment selection, restrictions on hours of operation, noise barriers, etc.) ☒ No ☐ Yes - Please describe: The topography and distance will limit the noise impacts of the operation.

Are measures proposed to minimize dust impacts of the proposed operation? (i.e. apply dust suppressants, water sprays, wind breaks, vegetation, etc.) ☐ No ☒ Yes - Please describe: The topography and distance will minimize the dust impacts of the operation

Are measures proposed to minimize visual impacts of the proposed operation? (i.e. vegetative barriers, berms, green belts, etc.)

☐ No ☒ Yes - Please describe: To limit the visual impact of the area from the Coquihalla a 20m buffer of trees will be left along the southern boundary.

OCCUPATIONAL FIRST AID

First Aid Supplies and communication at the mine site are required as per Parts 3.6.1 to 3.6.3 of the Code.

Describe the means of communication from the mine site: _____ cell phones / two way radios

Location of nearest hospital: _____ app. 10km - Merritt

Travel time to hospital: _____ 10 min _____ Estimated number of employees on site (includes contractors): 5

Describe First Aid Level and supplies OFA1 kit and attendant

I, Stacy Galbraith, hereby make application to undertake the mining activities described in this Notice, and in accordance with the Mines Act and the Health, Safety and Reclamation Code for Mines in British Columbia.

Applicant Signature: Stacy Galbraith Date: September 22/09

**Schedule C
Blasting**

Mark the location of all proposed blast sites on the appropriate map(s) under Schedule A. If any structure, water well(s), or roadways are located within 300 m of proposed blast sites, these items must be located on the map(s).

Shortest distance between blasting operations to nearest residence/structure _____ m, or 8.0 _____ km

Shortest distance between blasting operations to nearest water well _____ m, or 8.0 _____ km

Are any public use areas (i.e. picnic/camping areas, hiking trails etc.) located within 1 km of the blasting area?

☒ No ☐ Yes - distance from recreation area to blasting operations is: _____ m

Will blasting be contracted out? ☐ No ☒ Yes

Name of Blaster/Company: _____ Rock Construction

Blaster's Certificate # _____ 42991

Blaster must hold a valid BC Blasting Certificate as per Part 8.2.1 of the Code

Will explosives be stored on site? ☒ No ☐ Yes

If yes, has a B.C. Explosives Storage and Use Permit for Mining Purpose been issued?

☐ No - Complete a permit application from the Mining Operations Regional Office and attach it to this schedule.
☐ Yes - Provide current permit # _____ Date of expiry (y/m/d): _____

Provide details of (attach separate page(s) if space is insufficient):

• size and type of explosive(s) to be used: _____ To be determined by blaster at time of blasting _____

• detonation method: _____ To be determined by blaster at time of blasting _____

• type of explosives magazine: _____ To be determined by blaster at time of blasting _____

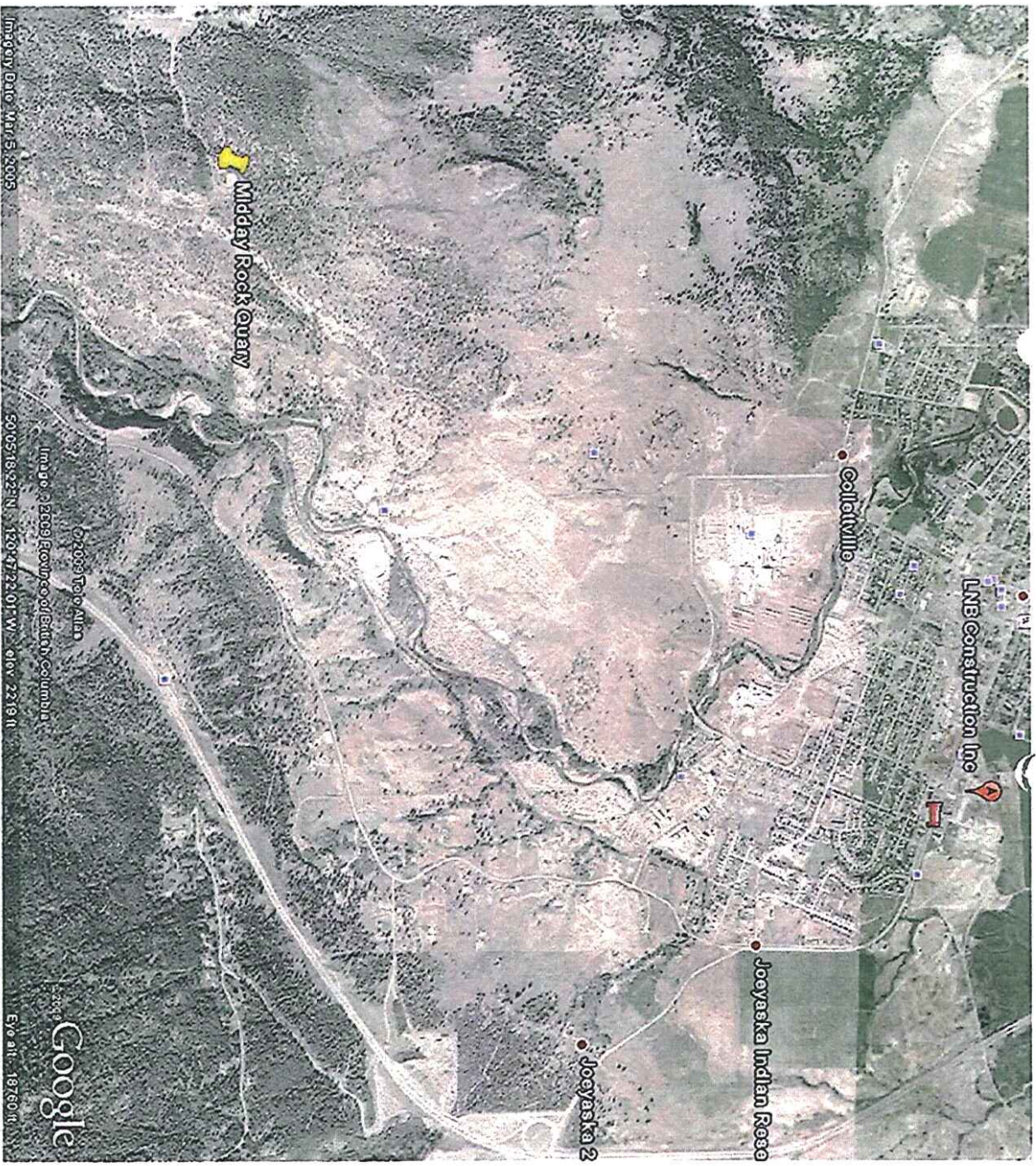
• blasting procedure (public notification, on-site safeguards, timing, etc.): _____ To be determined by blaster at time of blasting _____

If blasting is proposed within 1 km of any residence, structure, well or public use area, the Inspector may request further information regarding fly rock control and/or seismic impacts.

The Inspector may request that a Workers' Compensation Board Blaster's Log be kept

Applicant Signature *Salbach*

Date Sept 22/09





Midday Rock

Legend

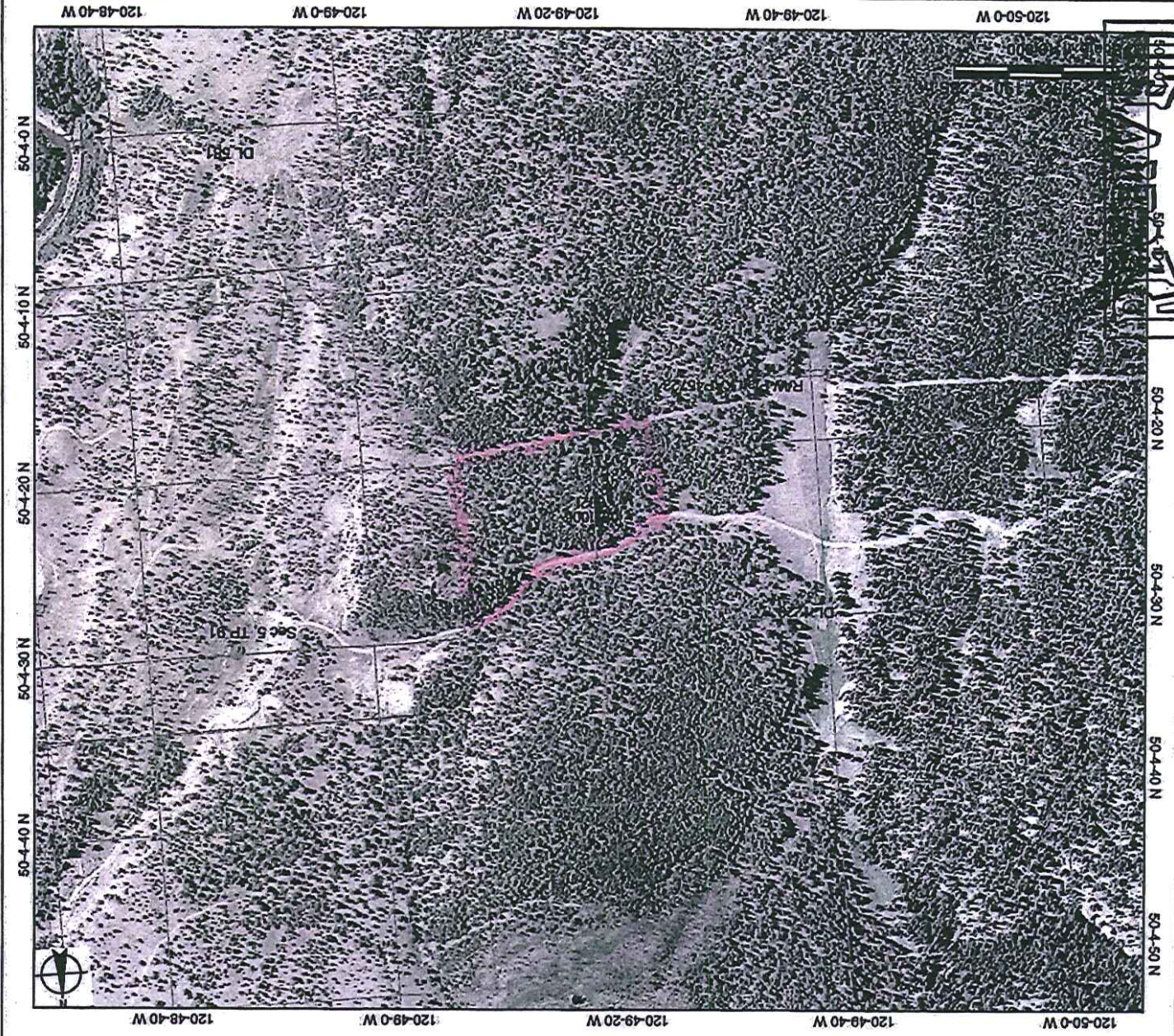
- ☐ Mapsheet Grid (1:250,000)
- ☐ Mapsheet Grid (1:250,000)
- ☐ Outlined
- ☐ Land Act Subdivisions - Outlined
- ☐ Land Act Subdivisions - Legal
- ☐ Descriptions
- ☐ Primary Survey Parcels - Outlined
- ☐ Primary Survey Parcels - Legal
- ☐ Descriptions
- ☐ Surveyed Rights of Way -
- ☐ Outlined
- ☐ Descriptions
- ☐ Surveyed Rights of Way - Legal
- ☐ Descriptions
- ☐ Provincial Boundary (1:2,000,000)
- ☐ Boundary (Unsurveyed)
- ☐ Boundary (Surrendered)
- ☐ Forest Roads - (TRM)
- ☐ Forest Service Road
- ☐ Special Use Permit
- ☐ Road Permit
- ☐ Road Status Road
- ☐ Cuting Permit
- ☐ Other
- ☐ Unknown
- ☐ Surveyed Well Sites - Petroleum
- ☐ And Related Uses - Tunnels

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DATA/INFORMATION: MAPS, Aerials, Equal Area Data

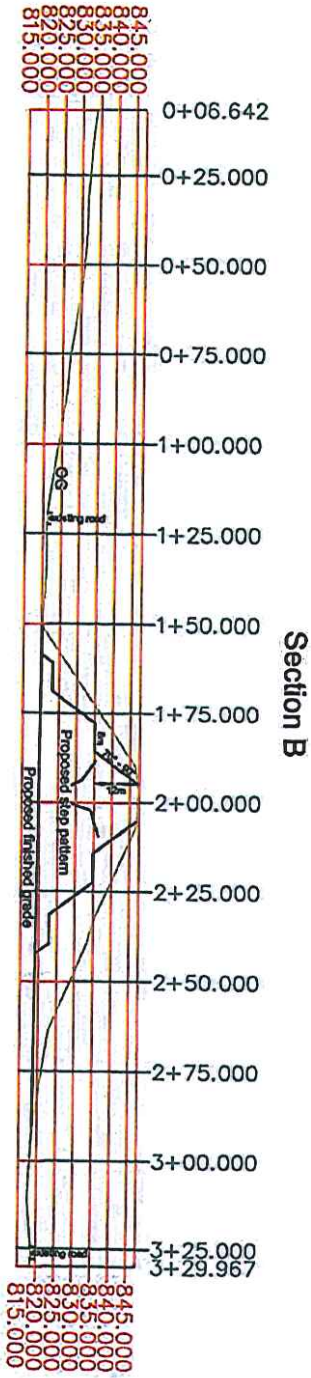
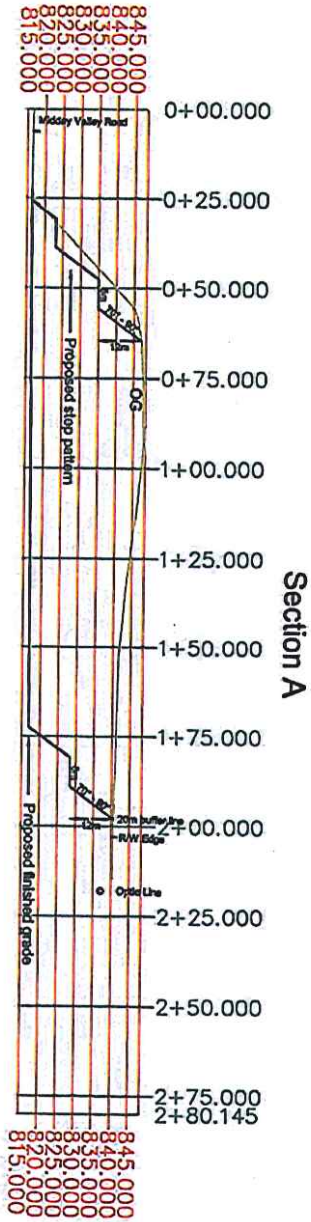
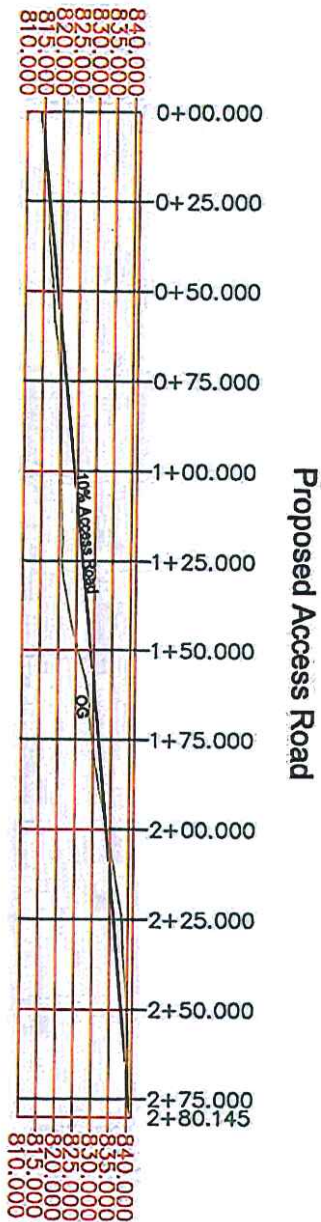
Key Map of British Columbia



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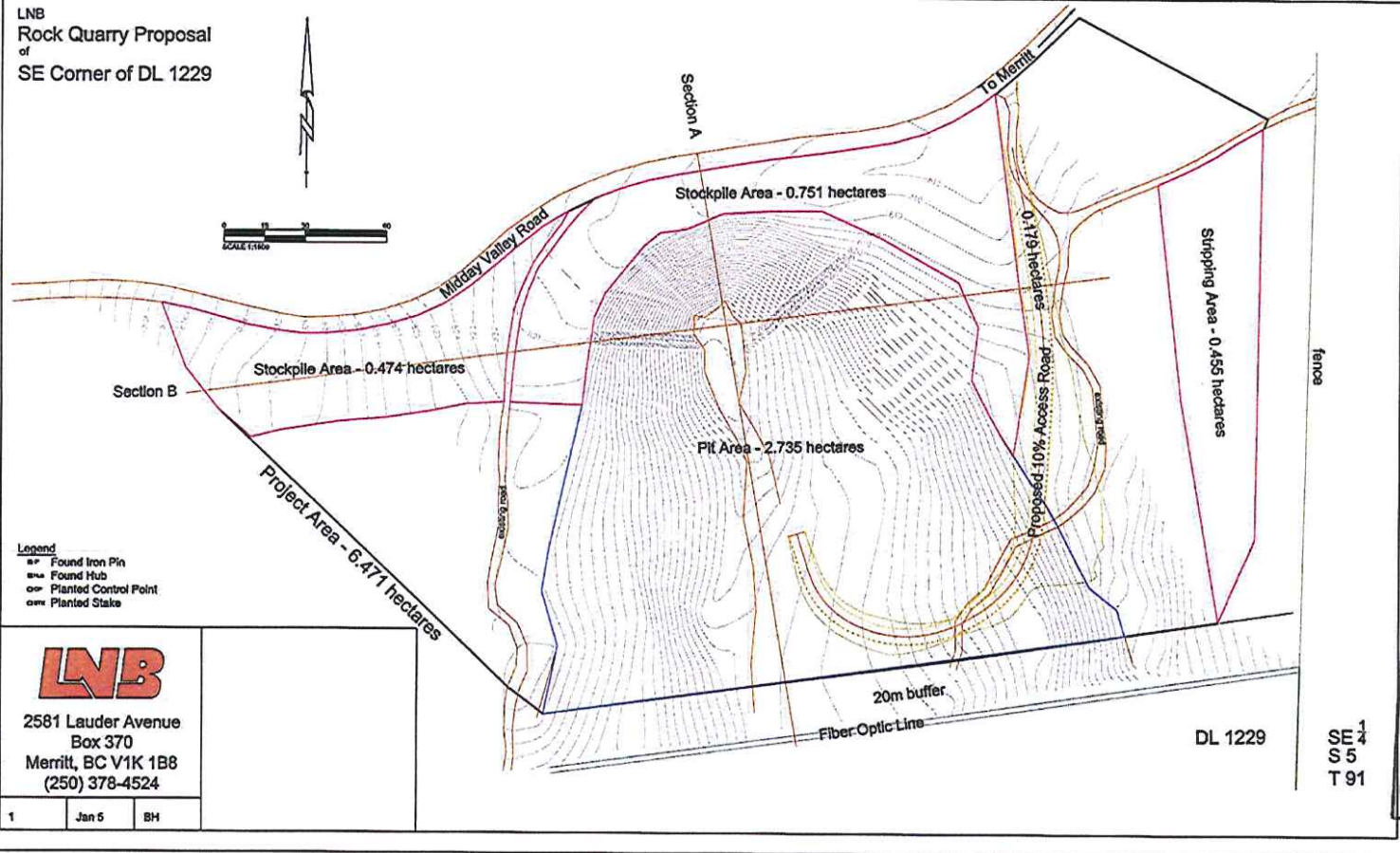
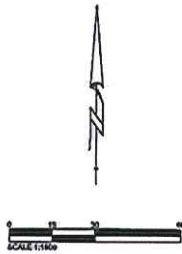
Midday Valley Rock Quarry Proposal Cross Sections





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LNB
Rock Quarry Proposal
of
SE Corner of DL 1229



Legend
 [Symbol] Found Iron Pin
 [Symbol] Found Hub
 [Symbol] Planted Control Point
 [Symbol] Planted Stake

LNB

2581 Lauder Avenue
Box 370
Merritt, BC V1K 1B8
(250) 378-4524

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