



MIDDAY VALLEY ROCK QUARRY

MANAGEMENT PLAN

LNB CONSTRUCTION INC

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Section A: Project Overview:

The purpose of this application for a land lease on the intended property is for the extraction of both aggregate materials and gravel materials. The intended property is located 8 kms south of Merritt on Midday Valley Road and is approximately 7 hectares in size. The main features of the project are blasting, crushing, screening, and extraction of aggregate and gravel materials. The current Midday Valley Road will be used as an access road to the site, on the site there are two existing roads that will be upgraded and used for the quarry purposes. These two access roads into the proposed area will be gated and "No Trespassing" signs will be posted. As a tentative construction schedule, blasting will occur primarily to get material, with crushing and screening to follow. There will be stockpiles located within the proposed area to be used as demand warrants.

Section B – Project Description

Description of Work:

Under investigative permit #344214 test holes were drilled and analyzed for rock properties. It was deemed from this investigative permit to continue on with an application to remove aggregate materials. An annual estimation of production for the first five years would be approximately 20,000 tonnes per year, depending on demand and work availability. Production would centre on the blasting of the rock; the extraction of gravel materials, as well as the creation of both refined and unrefined materials. This would include such materials as rock, crush, topsoil, sand and pit run. A blasting company will be brought in at the start of the project to blast the rock and then will be brought in on an as needed basis. An on site screening plant and crusher will be set up on site for the creation of the refined materials such as

crush and sand. There will be stockpiling on site for the materials until needed. There will be no washing of materials on site; therefore, no water supply will be needed nor any waste water treatment facilities. For safety issues and concerns the height of the working face will be to WorkSafeBC standards. The extraction of materials from the site will be an on going project as demand warrants it; therefore, as the material is needed it will be processed. In keeping production on going, reclamation will be carried out at the end of the project in one stage.

Present State of Land:

The land is currently vacant and largely unused; although there has been some selective logging being carried out in the areas south of the proposed quarry location. The area is on the edge of BGxw1 and IDFxh2 BEC zones and has vegetation consistent with a dry arid area. The area is sparsely forested with a mixture of immature Douglas-fir, over mature and beetle killed Ponderosa Pine. The climate is dry with gravely type soils and moderate to steep topography. The area as it sits is not feasible for agricultural use and is not protected under the ALR. There are no watercourses flowing through the centre of the intended area. As for ground water the water table is well below the surface and will not be disturbed by the activities conducted on site. Outside the southern edge is a fibreoptic line; we will maintain a 20-metre reserve zone from the line.

Reclamation Project:

The proposed use of the land after reclamation would be for the area to look as it does today. For reclamation, we propose to leave the site as is with the same dry vegetation types that are currently on site. Weed control will be used as an on-going

reclamation process. Final reclamation would include leveling of the area and spreading native grass seed to control to the spread of noxious weeds.

Section C – Additional Information

Environmental

- a) *Land Impacts:* The current status of the land is a sparsely vegetated rock knob. Therefore, the impacts to the land will include the removal of the trees as well as the blasting of the rock on site. The removal of the trees has the potential to create a visual impact to the users of the Coquihalla Highway, therefore a buffer will be left on the southern boundary to help limit the visual impact.
- b) *Atmospheric Impacts:* Impacts to the atmosphere will be limited by an “Idle Reduction Policy” that LNB Construction has incorporated into their daily activities to help decrease fuel emissions.
- c) *Aquatic Impacts:* The proposed area is a very dry arid area and as such there is no surface water running across the area and the ground water is below 25 metres. Therefore, there should be no aquatic impacts.
- d) *Fish/Wildlife Habitat:* As noted above there are no streams or water sources located within the proposed area therefore there will be impacts to fish habitat. The potential impacts to the wildlife habitat will be minimum due to the areas close proximity to town and openness of the area.

Socio-Community

- a) *Land Use:* The current land use is largely unused, the area is used for some illegal dumping of unwanted materials. As such, our proposal to block off the area would help in eliminating illegal dumping. The area south of the proposed area is used for off road 4-wheeling, dirt biking and cattle grazing; but within the proposed area there is too much rock for any of the above activities.

Prepared by,

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