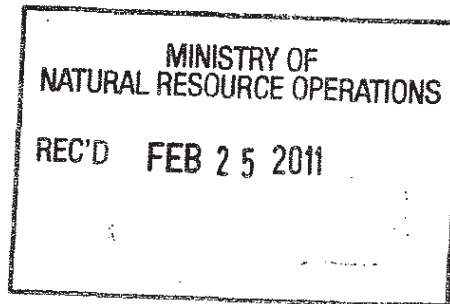




The Best Place on Earth

February 23, 2011



File: 14675-30-0700548

Brad Kohl
19633 98A Avenue
Langley, BC
V1M 3G5

Dear Mr. Kohl:

Re: **Amended Mines Act Permit Q-7-50, Ward Road Quarry**
Approval # 11-0700548-0223

In response to your letter dated, February 9, 2011, to amend the above mentioned permit, **this letter authorizes increase of your annual extraction in the amount 475,000 tonnes.** Unless modified by this amendment, all conditions of permit Q-7-50 remain in force.

Other Conditions:

1. The Mine Manager, or in their absence a Designate, shall allow Employees of other Provincial Ministries holding authorizations related to Compliance and Enforcement duties onto the mine site subject to the following conditions:
 - a. the Provincial Employee must present the appropriate Ministry identification; and
 - b. must clearly state that they are acting on behalf of an Inspector of Mines;
 - c. they must be given a site orientation as required by the Health & Safety, and Reclamation Code;
 - d. they must sign-in and sign-out as acknowledgement of being on site;
 - e. they must be accompanied at all times by the Mine Manager, or qualified person appointed by the Manager, and shall take all necessary measures to ensure the safety and well being of the individual(s); and
 - f. this condition is not applicable to other Provincial Legislation.
2. In the event that an archaeological site is encountered during the course of the approved mining activities, the program shall be suspended or modified in such a manner so as to ensure that the site is not damaged, desecrated or otherwise altered and the occurrence shall be reported immediately to the Archaeological Branch of the Ministry of Tourism, Culture and the Arts, and the Ministry of Energy and Mines. Work shall not be resumed until authorized by the joint Ministries.

...2

An Archaeological Chance Find Procedure for this site shall be developed within 3 months of the date of this permit:

- a. A copy of the procedure shall be posted at the Mine Site, and all workmen shall be trained in the implementation of this procedure.
- b. A copy of this procedure shall be filed with the Inspector.

Please ensure that you and all persons who are carrying out activities in accordance with this permit comply with all terms and conditions of the permit and are familiar with the permitted work program.

This permit applies only to the requirements under the *Mines Act* and Health, Safety and Reclamation Code for Mines in British Columbia (Code). Other legislation may be applicable to the operation and you (the Permittee) may be required to obtain approvals or permits under that legislation.

The amount of your security deposit may be adjusted on the basis of reclamation performance, field inspections by this ministry, and on reports which may be requested.

When activity on the site is finished and reclamation completed, please forward to this office a request for cancellation of permit and return of security.

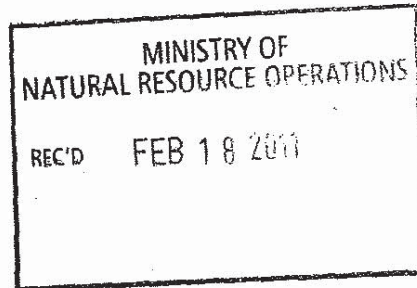
Sincerely,



Ed Taje
Senior Inspector of Mines, for
Al Hoffman, P.Eng.
Chief Inspector of Mines

Encl. Copy of letter

Cc: Reclamation Section, Victoria



February 9, 2011

Ed Taje
Ministry of Forests, Mines and Lands
PO Box 9320 Stn Prov Govt
Victoria, BC V8W 9N3

Dear Mr. Taje,

I am writing to request a variance to increase the annual tonnage processed on our permit Q-7-50 at our Ward Road Quarry to 600,000 tonnes.

The exact location is as follows:

P.I.D. 006.509.517, Parcel A (Exp. Plan 15428), L S 15, and part of L S 16, Section 29, Township 19.

P.I.D. 006.509.291, L S 13, Section 28, Township 19 (Exp. Plan 15428) Easement BG 783376 over Plan LMP9303, New Westminster District

Although we are requesting an increase there will be no increase to the mining footprint required.

I look forward to hearing from you at your earliest convenience.

Regards,

A handwritten signature in black ink, appearing to read "Brad Kohl".

Brad Kohl
Vice President, Greater Vancouver Aggregates



The Best Place on Earth

May 28, 2007

File: 14675-30-0700548

C Naychuk
Lafarge Canada Inc.
#200, 7455 - 132 St.
Surrey BC V3W 1J8

Dear C Naychuk:

Re: Amended Mines Act Permit Q-7-50 Approval # 07-0700548-0528
Ward Road Quarry

Your Mines Act permit is hereby amended pursuant to your letter of April 19, 2007 and Drawing No. A07-0392/A-01. You are authorized to mine out the boundary between LS 16 and LS 9 of Sec 29, TP 19 in a manner that conforms to the above noted letter and plan. Attach this letter to your permit as it forms an integral part thereof. You are reminded that you may not depart from the permitted program without written authorization.

Note that a recent court case has ordered that mining cease on LS 9, Sec 29, TP 19. It is your responsibility to ensure that any work you undertake will not be in contravention of any court orders or judgments that may be in effect.

Please ensure that you and all persons who are carrying out activities in accordance with this permit comply with all terms and conditions of the permit and are familiar with the permitted work program.

This permit applies only to the requirements under the *Mines Act* and Health, Safety and Reclamation Code for Mines in British Columbia (Code). Other legislation may be applicable to the operation and you (the Permittee) may be required to obtain approvals or permits under that legislation.

The amount of your security deposit may be adjusted on the basis of reclamation performance, field inspections by this ministry, and on reports which may be requested.

Please provide me with written notice at least 7 days prior to ceasing work on the program. When activity on the site is finished and reclamation completed, please forward to this office a request for cancellation of permit and return of security.

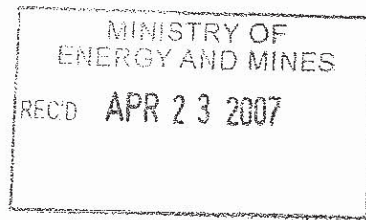
Sincerely,

R. Berdusco, P. Eng.
Chief Inspector of Mines

cc Reclamation Section, Victoria
E. Taje, Inspector of Mines



AGGREGATES, CONCRETE
& ASPHALT



April 19, 2007

Ed Taje
Mining and Minerals Division
7th Floor, 1675 Douglas St.
Victoria, B.C. V8W 9N3

Re: Amendment of Permit Q-7-50 Ward Road Quarry

Please amend "Special Conditions" section 3 of Permit Q-7-50 to allow excavation (daylighting) to the 200 metre level along the southern property line between L.S. 16 and L.S. 9. Otherwise, all conditions contained in Permit Q-7-50 and subsequent amendments remain in effect. Blasting shall be strictly controlled at all times to prevent the generation of fly rock beyond the property boundary and to protect adjacent residences.

Attached is an excavation drawing of Ward Road Quarry (Dwg. No. A07-0392/A-01) which shows the existing ground profile as of March 2007 and proposed direction of excavation.

Also, attached is a letter of agreement by the legal owners of: Legal Subdivision 16, Section 29, Township 19, New Westminster Land District, except plan LMP09302 (L.S. 16) and Legal Subdivision 9, Section 29, Township 19, New Westminster Land District, except plan RP3063 & EP4709 (L.S. 9), endorsing this amendment.

The reason for the amendment is to allow for the West to East excavation (daylighting) along the southern property line and the removal of stranded rock outcrops within the 30 metre setback that may cause a safety hazard.

Sincerely,

C. Naychuk, P. Eng
Director, Aggregates Manufacturing

PROVINCE OF BRITISH COLUMBIA
MINISTRY OF EMPLOYMENT AND INVESTMENT
ENERGY AND MINERALS DIVISION

QUARRY PERMIT AMENDMENT
APPROVING WORK SYSTEM AND RECLAMATION PROGRAM
(Issued pursuant to Section 10 of the Mines Act R.S.B.C. 1996, c.293)

Permit: Q-7-50 (Amendment to Permit of September 11, 1995.)

Issued to: 5324470 B.C. Limited (Amendment dated August 23, 2000) *Amal*
~~Summit Sand and Gravel Ltd.~~
~~1013 Coutts Way~~ 37403 Ward Road
Abbotsford, British Columbia
~~V2S 7M2~~ V3G 2K6

for work located at the following property: Ward Road

Located at: P.I.D. 006.509.517, Parcel A (Exp. Plan 15428), L.S. 15 and part of L.S. 16,
Section 29, Township 19, NWD

P.I.D. 006.509.291, L.S. 13, Section 28, Township 19 (Exp. Plan 15428),
Easement BG783376 over Plan LMP9303, NWD

This approval and permit is subject to the appended conditions.

Issued this 11th day of April in the year 1997.

F. W. Hermann
F. W. Hermann, P. Eng.
Chief Inspector of Mines

PREAMBLE

Notice of intention to commence work on a quarry, including a plan of the proposed work system and a program for the protection and reclamation of the surface of the land and watercourses affected by the work dated December 16, 1995, was filed with the District Inspector on December 19, 1994, and the amendment dated April 4, 1997, was filed with the District Inspector on April 11, 1997. Notice of filing was published in the Abbotsford News on January 25, 1995 and in the BC Gazette on January 26, 1995.

This permit contains the requirements of the Ministry of Employment and Investment for reclamation. It is also compatible, to the extent possible, with the requirements of other provincial ministries for reclamation issues. The amount of security required by this permit, and the manner in which this security may be applied, will also reflect the requirements of those ministries. Nothing in this permit, however, limits the authority of other provincial ministries to set other conditions, or to act independently, under their respective permits and legislation.

Decisions made by staff of the Ministry of Employment and Investment will be made in consultation with other ministries.

CONDITIONS

The Chief Inspector of Mines (Chief Inspector) hereby approves the work plan and the program for protection and reclamation of the land surface and watercourses subject to compliance with the following conditions:

1. Reclamation Security

- (a) The owner, agent or manager (herein called the Permittee) shall maintain with the Minister of Finance and Corporate Relations securities in the amount of Ten Thousand dollars (\$10,000). The security will be held by the Minister of Finance and Corporate Relations for the proper performance of the approved program and all the conditions of this permit in a manner satisfactory to the Chief Inspector.
- (b) The Permittee shall conform to all forest tenure requirements of the Ministry of Forests. Should the Permittee not conform to these requirements then all or part of the security may be used to cover the costs of these requirements.
- (c) The Permittee shall conform to all Ministry of Environment, Lands and Parks approval, licence and permit conditions, as well as requirements under the **Wildlife Act**. Should the Permittee not conform to these conditions, then all or part of the security may be used to fulfill these requirements.

2. Land Use

The surface of the land and watercourses shall be reclaimed to the following land use:

3. Productivity

The level of land productivity to be achieved on reclaimed areas shall not be less than existed prior to mining on an average property basis unless the Permittee can provide evidence which demonstrates, to the satisfaction of the Chief Inspector, the impracticality of doing so.

4. Revegetation

Land shall be revegetated to a self-sustaining state using appropriate plant species.

5. Use of Suitable Growth Medium

- (a) On all lands to be revegetated, the growth medium shall satisfy land use, productivity, and water quality objectives. Topsoil and overburden (to rooting depth) shall be removed from operational areas prior to any disturbance of the land and stockpiled separately on the property for use in reclamation programs, unless the Permittee can provide evidence which demonstrates, to the satisfaction of the Chief Inspector, that reclamation objectives can otherwise be achieved.
- (b) No topsoil shall be removed from the property without the specific written permission of the District Inspector.

6. Buffer Zones and Berms

Buffer zones and/or berms shall be established between the mine and the property boundary unless exempted in writing by the District Inspector.

7. Treatment of Structures and Equipment

Prior to abandonment, and unless the Chief Inspector has made a ruling otherwise, such as heritage project consideration or industrial use,

- (a) all machinery, equipment and building superstructures shall be removed,
- (b) concrete foundations shall be covered and revegetated unless, because of demonstrated impracticality, they have been exempted by the Inspector, and
- (c) all scrap material shall be disposed of in a manner acceptable to the Inspector.

8. Watercourses

- (a) Watercourses shall be reclaimed to a condition that ensures
 - (1) long-term water quality is maintained to a standard acceptable to the Chief Inspector,
 - (2) drainage is restored either to original watercourses or to new watercourses which will sustain themselves without maintenance, and
 - (3) use and productivity objectives are achieved and the level of productivity shall not be less than existed prior to mining unless the Permittee can provide evidence which demonstrates, to the satisfaction of the Chief Inspector, the impracticality of doing so.
- (b) Water which flows from disturbed areas shall be collected and diverted into settling ponds.

9. Roads

- (a) All roads shall be reclaimed in accordance with land use objectives unless permanent access is required to be maintained.
- (b) Individual roads will be exempted from the requirement for total reclamation under condition 9(a) if either:
 - (1) the Permittee can demonstrate that an agency of the Crown has explicitly accepted responsibility for the operation, maintenance and ultimate deactivation and abandonment of the road, or
 - (2) the Permittee can demonstrate that another private party has explicitly agreed to accept responsibility for the operation, maintenance and ultimate deactivation and abandonment of the road and has, in this regard, agreed to comply with all the terms and conditions, including bonding provisions, of this reclamation permit, and to comply with all other relevant provincial government (and federal government) regulatory requirements.

10. Disposal of Fuels and Toxic Chemicals

Fuels, chemicals or reagents which cannot be returned to the manufacturer/supplier are to be disposed of as directed by the Chief Inspector in compliance with municipal, regional, provincial and federal statutes.

11. Temporary Shutdown

If this quarry ceases operation for a period longer than one year the Permittee shall either continue to carry out the conditions of the permit or apply for an amendment setting out a revised program for approval by the Chief Inspector.

12. Safety Provisions

All safety and other provisions of the Mines Act shall be complied with to the satisfaction of the Chief Inspector.

13. Monitoring

The Permittee shall undertake monitoring programs, as required by the District Inspector, to demonstrate that reclamation objectives are being achieved.

14. Alterations to the Program

Substantial changes to the program must be submitted to the District Inspector for approval.

15. Notice of Closure

Pursuant to Part 10.5.1 of the Health, Safety and Reclamation Code for Mines in British Columbia, a Notice of Completion of Work shall be filed with the District Inspector not less than seven days prior to cessation of work.

16. Annual Reclamation Report

By March 31 of each year, an annual reclamation report shall be submitted in a form and containing the information required by the Chief Inspector.

SPECIAL CONDITIONS

1. Mining shall be carried out in phases. For the protection of residential wells in the area, excavation shall not be allowed below the 200 metre elevation. Recommendations of the Levelton Associates Hydrogeological Study dated January 19, 1995 shall be carried out.
2. The site shall be progressively reclaimed in phases corresponding to each mining phase.
3. An undisturbed buffer zone of vegetation, a minimum of 30 metres wide, shall be maintained on the south part of the property for the protection of the adjacent residences.

4. Silt laden water resulting from the mining activities shall be suitably controlled on site and not be allowed free access to any creek or watercourse. A surface water management plan for the site, including management of storm event rainfall, shall be submitted to the District Manager to be forwarded to BC Environment for review and approval prior to development of the site.
5. Blasting shall be carried out in accordance with the SRK Robinson Inc. report dated December 15, 1994 to minimize impact of blasting vibration and noise on surrounding residences. Seismic monitoring of all blasts shall be carried out for at least 6 months until a regular blast cycle has been established.
6. Blast danger zone shall be confined within the quarry property boundary.
7. Operating hours of the quarry shall be from 7:00 a.m. to 7:00 p.m. week days and 8:00 a.m. to 4:00 p.m. Saturdays with no working on Sundays of statutory holidays except for emergency situations.
8. A berm of suitable height shall be constructed and maintained around the crushing plant to absorb and reduce noise levels to the neighbourhood.
9. Dust shall be controlled on site by a series of water sprays at the dust emission points and spraying of water or other approved dust suppressants on pit roads.
10. A structural survey of all buildings within 600 metres of the site shall be carried out by an independent assessor to identify defects and cracks of all buildings within 600 metres of the site prior to on site blasting.
11. An amended Mining Plan shall be submitted to the District Manager for approval prior to the development of the site.



February 23, 2006

File: 14675-30-0700548

Gerald Rempel
532470 B.C. Ltd.
Mine Manager
37403 Ward Road
Abbotsford BC V3G 2K6

Dear: Gerald Rempel

Re: Amended Permit Q-7-50 Ward Road Quarry

Attach this letter to your permit as it is an integral part thereof.

Your permit Q-7-50 is hereby amended to remove lot 1, Sectn 29, Twp 19, NWD Plan BCP3736, PID 025-870-262, otherwise known as the Makara Property at 37271 Ward Road, from the permit: Otherwise, all conditions contained in Permit Q-7-58 and subsequent amendments remain in effect

The reason for this amendment is to recognize the transfer of the fee simple title for the above noted property to 90617 BC Ltd.

Sincerely,

F. W. Hermann, P. Eng
Chief Inspector of Mines

cc: City of Abbotsford
90617 BC Ltd.
Reclamation Section

PROVINCE OF BRITISH COLUMBIA
MINISTRY OF ENERGY, MINES AND PETROLEUM RESOURCES

QUARRY PERMIT
APPROVING WORK SYSTEM AND RECLAMATION PROGRAM
(Issued pursuant to Section 10 of the *Mines Act* S.B.C. 1989)

Permit: Q-7-50

Issued to: West Coast Aggregates Ltd.
P.O. Box 1408
Aldergrove, B. C.
VOS IA0


for work located at the following property:

Ward Road Abbotsford
P.I.D. 006.509.517, Parcel A (Exp. Plan 15428), L S 15, and part of L S 16,
Section 29, Township 19.

P.I.D. 006.509.291, L S 13, Section 28, Township 19 (Exp. Plan 15428)
Easement BG 783376 over Plan LMP9303, New Westminster District

This approval and permit is subject to the appended conditions.

Issued this 11th day of September in the year 1995.


F.W. Hermann
Chief Inspector of Mines

PREAMBLE

Notice of intention to commence work on a quarry, including a plan of the proposed work system and a program for the protection and reclamation of the surface of the land and watercourses affected by the work dated December 16, 1994 was filed with the District Inspector on December 19, 1994. Notice of filing was published in the Abbotsford News on January 25, 1995 and in the B. C. Gazette on January 26, 1995.

This permit contains the requirements of the Ministry of Energy, Mines and Petroleum Resources for reclamation. It is also compatible, to the extent possible, with the requirements of other provincial ministries for reclamation issues. The amount of security required by this permit, and the manner in which this security may be applied, will also reflect the requirements of those ministries. Nothing in this permit, however, limits the authority of other provincial ministries to set other conditions, or to act independently, under their respective permits and legislation.

Decisions made by staff of the Ministry of Energy, Mines and Petroleum Resources will be made in consultation with other ministries.

CONDITIONS

The Chief Inspector of Mines (Chief Inspector) hereby approves the work plan and the program for protection and reclamation of the land surface and watercourses subject to compliance with the following conditions:

1. Reclamation Security

- (a) The owner, agent or manager (herein called the Permittee) shall maintain with the Minister of Finance and Corporate Relations securities in the amount of Ten Thousand dollars (\$10,000.00) The security will be held by the Minister of Finance and Corporate Relations for the proper performance of the approved program and all the conditions of this permit in a manner satisfactory to the Chief Inspector.
- (b) The Permittee shall conform to all forest tenure requirements of the Ministry of Forests. Should the Permittee not conform to these requirements then all or part of the security may be used to cover the costs of these requirements.

- (c) The Permittee shall conform to all Ministry of Environment approval, licence and permit conditions, as well as requirements under the **Wildlife Act**. Should the Permittee not conform to these conditions, then all or part of the security may be used to fulfill these requirements.

2. Land Use

The surface of the land and watercourses shall be reclaimed to the following land use: Residential Subdivision.

3. Productivity

The level of land productivity to be achieved on reclaimed areas shall not be less than existed prior to mining on an average property basis unless the Permittee can provide evidence which demonstrates, to the satisfaction of the Chief Inspector, the impracticality of doing so.

4. Revegetation

Land shall be revegetated to a self-sustaining state using appropriate plant species.

5. Use of Suitable Growth Medium

- (a) On all lands to be revegetated, the growth medium shall satisfy land use, productivity, and water quality objectives. Topsoil and overburden (to rooting depth) shall be removed from operational areas prior to any disturbance of the land and stockpiled separately on the property for use in reclamation programs, unless the Permittee can provide evidence which demonstrates, to the satisfaction of the Chief Inspector, that reclamation objectives can otherwise be achieved.
- (b) No topsoil shall be removed from the property without the specific written permission of the District Inspector.

6. Buffer Zones and Berms

Buffer zones and/or berms shall be established between the mine and the property boundary unless exempted in writing by the District Inspector.

7. Treatment of Structures and Equipment

Prior to abandonment, and unless the Chief Inspector has made a ruling otherwise, such as heritage project consideration or industrial use,

- (a) all machinery, equipment and building superstructures shall be removed,
- (b) concrete foundations shall be covered and revegetated unless, because of demonstrated impracticality, they have been exempted by the Inspector, and
- (c) all scrap material shall be disposed of in a manner acceptable to the Inspector.

8. Watercourses

- (a) Watercourses shall be reclaimed to a condition that ensures
 - (1) long-term water quality is maintained to a standard acceptable to the Chief Inspector,
 - (2) drainage is restored either to original watercourses or to new watercourses which will sustain themselves without maintenance, and
 - (3) use and productivity objectives are achieved and the level of productivity shall not be less than existed prior to mining unless the Permittee can provide evidence which demonstrates, to the satisfaction of the Chief Inspector, the impracticality of doing so.
- (b) Water which flows from disturbed areas shall be collected and diverted into settling ponds.

9. Roads

- (a) All roads shall be reclaimed in accordance with land use objectives unless permanent access is required to be maintained.
- (b) Individual roads will be exempted from the requirement for total reclamation under condition 9(a) if either:

- (1) the Permittee can demonstrate that an agency of the Crown has explicitly accepted responsibility for the operation, maintenance and ultimate deactivation and abandonment of the road, or
- (2) the Permittee can demonstrate that another private party has explicitly agreed to accept responsibility for the operation, maintenance and ultimate deactivation and abandonment of the road and has, in this regard, agreed to comply with all the terms and conditions, including bonding provisions, of this reclamation permit, and to comply with all other relevant provincial government (and federal government) regulatory requirements.

10. Disposal of Fuels and Toxic Chemicals

Fuels, chemicals or reagents which cannot be returned to the manufacturer/supplier are to be disposed of as directed by the Chief Inspector in compliance with municipal, regional, provincial and federal statutes.

11. Temporary Shutdown

If this sand and gravel pit ceases operation for a period longer than one year the Permittee shall either continue to carry out the conditions of the permit or apply for an amendment setting out a revised program for approval by the Chief Inspector.

12. Safety Provisions

All safety and other provisions of the **Mines Act** shall be complied with to the satisfaction of the Chief Inspector.

13. Monitoring

The Permittee shall undertake monitoring programs, as required by the District Inspector, to demonstrate that reclamation objectives are being achieved.

14. Alterations to the Program

Substantial changes to the program must be submitted to the District Inspector for approval.

15. Notice of Closure

Pursuant to Part 10.5.1 of the Health, Safety and Reclamation Code for Mines in British Columbia, a Notice of Completion of Work shall be filed with the District Inspector not less than seven days prior to cessation of work.

16. Annual Reclamation Report

By March 31 of each year, an annual reclamation report shall be submitted in a form and containing the information required by the Chief Inspector.

SPECIAL CONDITIONS:

1. Mining shall be carried out in phases. For the protection of residential wells in the area, excavations shall not be allowed below the 200 metre elevation. Recommendations of the Levelton Associates Hydrogeological Study dated January 19, 1995 shall be carried out.
2. The site shall be progressively reclaimed in phases corresponding to each mining phase, ie. Phase I shall be reclaimed within one year of mining in Phase 2. Mining plans as per Lang Engineering Ltd. amendment dated January 4, 1995.
3. An undisturbed buffer zone of vegetation, a minimum of 30 metres wide, shall be maintained on the south part of the property for the protection of the adjacent residences.
4. Silt laden water resulting from mining activities shall be suitably controlled on site and not be allowed free access to any creek or watercourse. A surface water management plan for the site, including management of storm event rainfall, shall be submitted to the District Manager to be forwarded to B.C. Environment for review and approval prior to development as per B.C. Environment's letter of August 2, 1995.


5. Blasting shall be carried out in accordance with the SRK Robinson Inc. report dated December 15, 1994 to minimize impact of blasting vibration and noise on surrounding residences. Seismic monitoring of all blasts shall be carried out for at least 6 months until a regular blast cycle has been established.
6. Blast danger zone shall be confined within the quarry property boundary.
7. Operating hours of the quarry shall be from 7:00 a.m. to 7:00 p.m. week days and 8:00 a.m. to 4:00 p.m. Saturdays with no working on Sundays or statutory holidays except for emergency situations.
8. A berm of a suitable height shall be constructed and maintained around the crushing plant to absorb and reduce noise levels to the neighbourhood.
9. Dust shall be controlled on site by a series of water sprays at the dust emission points and spraying of water or other approved dust suppressants on pit roads.
10. A structural survey of all buildings within 600 metres of the site shall be carried out by an independent assessor to identify defects and cracks of all buildings within 600 metres of the site prior to on-site blasting.

q-perm/92-12-15

Exhibit C

This letter is an agreement of the legal owners of: LEGAL SUBDIVISION 16, SECTION 29, TOWNSHIP 19, NEW WESTMINSTER LAND DISTRICT, EXCEPT PLAN LMP09302 (L.S. 16), namely Candy Developments Ltd., Chergar Developments Ltd., Fernway Developments Ltd., and Emmerson Developments Ltd. and the legal owner(s) of: LEGAL SUBDIVISION 9, SECTION 29, TOWNSHIP 19, NEW WESTMINSTER LAND DISTRICT, EXCEPT PLAN RP3063 & EP4709, (L.S. 9), namely Toews Bros. Bulldozing Ltd., to excavate to the property line, between L.S. 9 and L.S.16, to the 200 meter elevation level.

Both parties agree as per section 6.6.5 of the Health, Safety and Reclamation Code for Mines in British Columbia to waive the provisions of sections 6.6.1, 6.6.2 and 6.6.4 of the code.





Signature of Authorized Signing Officer(s)
of Lot L.S. 16

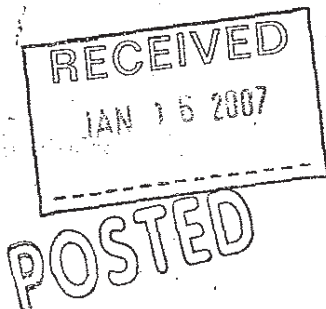
GARY EMMERSON
Printed Name of Signing Officer
of Lot L.S. 16


Signature of Authorized Signing Officer(s)
of Lot L.S. 9

KELLY TOEWS
Printed Name of Signing Officer
of Lot L.S. 9

Date signed: Feb. 14th 2000.

  Paul Sametzi
 Bob Esau
DATE: Jan 16/07



PROVINCE OF BRITISH COLUMBIA
MINISTRY OF ENERGY AND MINES

QUARRY PERMIT
APPROVING WORK SYSTEM AND RECLAMATION PROGRAM
(Issued pursuant to Section 10 of the **Mines Act** R.S.B.C. 1996, c.293)

Permit: **Q-4-37**

Issued to: **Innovative Mining Services Inc.**
37353 Ward Road
Abbotsford, BC
V3G 2K6

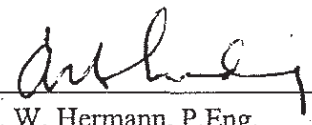
for work located at the following property:

Pineridge Granite Products Quarry

NE ¼ of the SW ¼ Sec.36 TP.14 ODYD
NTS 82L/03W Lat.: 50° 10.3" Long.: 119° 52.96"
Highway 97 South from Vernon

This approval and permit is subject to the appended conditions.

Issued this 15th day of February in the year 2001.


For F. W. Hermann, P.Eng.
Chief Inspector of Mines

2. Land Use

The surface of the land and watercourses shall be reclaimed to the following land use:
Wildlife Habitat.

3. Productivity

The level of land productivity to be achieved on reclaimed areas shall not be less than existed prior to mining on an average property basis unless the Permittee can provide evidence which demonstrates, to the satisfaction of the Chief Inspector, the impracticality of doing so.

4. Revegetation

Land shall be revegetated to a self-sustaining state using appropriate plant species.

5. Use of Suitable Growth Medium

- (a) On all lands to be revegetated, the growth medium shall satisfy land use, productivity, and water quality objectives. Topsoil and overburden (to rooting depth) shall be removed from operational areas prior to any disturbance of the land and stockpiled separately on the property for use in reclamation programs, unless the Permittee can provide evidence which demonstrates, to the satisfaction of the Chief Inspector, that reclamation objectives can otherwise be achieved.
- (b) No topsoil shall be removed from the property without the specific written permission of the District Inspector.

6. Buffer Zones and Berms

Buffer zones and/or berms shall be established between the mine and the property boundary unless exempted in writing by the District Inspector.

7. Treatment of Structures and Equipment

Prior to abandonment, and unless the Chief Inspector has made a ruling otherwise, such as heritage project consideration or industrial use,

- (a) all machinery, equipment and building superstructures shall be removed,

bonding provisions, of this reclamation permit, and to comply with all other relevant provincial government (and federal government) regulatory requirements.

10. Disposal of Fuels and Toxic Chemicals

Fuels, chemicals or reagents which cannot be returned to the manufacturer/supplier are to be disposed of as directed by the Chief Inspector in compliance with municipal, regional, provincial and federal statutes.

11. Temporary Shutdown

If this quarry ceases operation for a period longer than one year the Permittee shall either continue to carry out the conditions of the permit or apply for an amendment setting out a revised program for approval by the Chief Inspector.

12. Safety Provisions

All safety and other provisions of the **Mines Act** shall be complied with to the satisfaction of the Chief Inspector.

13. Monitoring

The Permittee shall undertake monitoring programs, as required by the District Inspector, to demonstrate that reclamation objectives are being achieved.

14. Alterations to the Program

Substantial changes to the program must be submitted to the District Inspector for approval.

15. Notice of Closure

Pursuant to Part 10.5.1 of the Health, Safety and Reclamation Code for Mines in British Columbia, a Notice of Completion of Work shall be filed with the District Inspector not less than seven days prior to cessation of work.

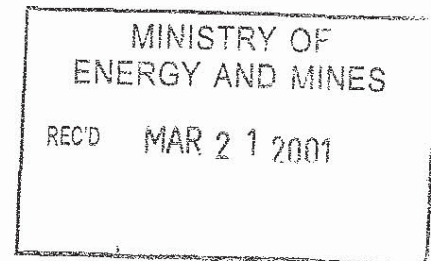


March 15, 2001

File: 14675-20

Mine No: 0400704

Kelly Toews
Innovative Mining Services Inc.
37353 Ward Road
Abbotsford, BC
V3G 2K6



Dear Kelly Toews:

Re: Quarry Permit Q-4-37
Pursuant to the *Mines Act*
Property: Pineridge Granite Products Quarry

On February 23, 2001 we mailed the above permit to you. After reviewing your file, we have changed the End Land Use referred to in Condition 2 from "Large Holdings Development" to "Wildlife Habitat". The attached document cancels and replaces the copy mailed in February. Please destroy the old copy and retain this one as your original.

Yours truly,

Allan H. Ludwig
District Manager/Engineer
South Central Region

/syw

Enclosure(s): Enclosures

pc: Eric Beresford

• THE GOVERNMENT OF BRITISH COLUMBIA IS AN "EMPLOYMENT EQUITY EMPLOYER" •

Ministry of
Energy & Mines

Mines Branch

Mailing Address:
200 - 2985 Airport Road
Kamloops BC V2B 7W8

Tel: 250-828-4566
Fax: 250-828-4726

Location:
200 - 2985 Airport Road
Kamloops BC



The Best Place on Earth

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OCT 16 2010

MINISTRY OF ENERGY AND MINES

November 2, 2010

File: 14675-20/0400704-4

Kelly Toews
Pineridge Granite Products Inc.
37353 Ward Road
Abbotsford BC V3G 2K6

Dear Kelly Toews:

Re: Amendment of Reclamation Permit Q-4-37
Property: Western Rock Quarry

Your Notice of Work and Reclamation Program dated December 2, 2009 has been reviewed and found to be acceptable. Your reclamation permit is hereby amended pursuant to the Mines Act. Your attention is drawn to the conditions, which are an integral part of your permit. Note that your amended work program as set out in the above noted Notice of Work is also an integral part of your permit. You are reminded not to depart from your authorized work system to any substantial degree without the written approval of the Chief Inspector of Mines.

Please ensure that you and all persons who are carrying out activities in accordance with this permit comply with all terms and conditions of the permit and are familiar with the permitted work program.

I wish to stress the importance in following the geotechnical engineer's recommendations to ensure that the face angle does not exceed 67 degrees and the overall slope angle is kept below 40 degrees. This can be achieved using sloped blast holes or design the blasts to attain the desired face angle.

This permit applies only to the requirements under the *Mines Act* and Health, Safety and Reclamation Code for Mines in British Columbia (Code). Other legislation may be applicable to the operation and you (the Permittee) may be required to obtain approvals or permits under that legislation.

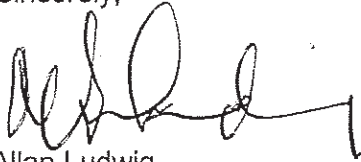
Also please find enclosed a copy of the Safekeeping Agreement dated October 29, 2010, covering securities described as Royal Bank of Canada GIC dated Oct 29, 2010 for \$20,000. The total reclamation security held under Permit Q-4-37 is now \$25,000. The security deposit may be adjusted on the basis of reclamation performance, field inspections by this Ministry, and on reports which may be requested. By copy of this letter, we are also forwarding to the Reclamation Section, Victoria and the Royal bank of Canada, an executed copy of the Safekeeping Agreement.

Health and safety inspections fall under the jurisdiction of the Mining Division of the Ministry of Energy and Mines. A fee for this service is collected through the Mine Health and Safety Inspection Fee. The fee structure is based on annual production in metric tonnes for the period January 1st through December 31st. You will receive the remittance forms and a payment schedule in December of each year with payment due by January 31st of the new year.

For further information regarding the Health and Safety Inspection Fee please contact your regional office or Jeff Scholtens at the Resource Revenue Branch in Victoria at (250)-356-0518 (new number).

When activity on the site is finished and reclamation completed please forward a request for cancellation of permit and return of securities to this office.

Sincerely,

A handwritten signature in black ink, appearing to read 'Allan Ludwig', with a long horizontal flourish extending to the right.

Allan Ludwig
Inspector of Mines

Encl. Permit

cc: Reclamation, Victoria
Royal Bank of Canada

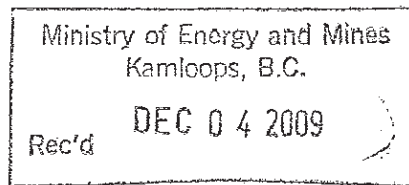
Dec 2, 2009

Allen Ludwig;

Innovative Mining Services Inc. is 100% owned by Kelly Toews.

Pineridge Granite Products Inc. is owned 100% by Kelly Toews.

Kelly Toews



PROVINCE OF BRITISH COLUMBIA
MINISTRY OF ENERGY, MINES AND PETROLEUM RESOURCES

QUARRY PERMIT
APPROVING WORK SYSTEM AND RECLAMATION PROGRAM
(Issued pursuant to Section 10 of the **Mines Act** R.S.B.C. 1996, C.293)

Permit: **Q-4-37**

Mine No.: **0400704**

Issued to: **Pineridge Granite Products Inc.**
37353 Ward Road
Abbotsford BC V3G 2K6

for work located at the following property:

Western Rock Quarry

This approval and permit is subject to the appended conditions.

Issued this 2nd day of November in the year 2010.

Al Hoffman, P.Eng
Chief Inspector of Mines

2. Land Use

The surface of the land and watercourses shall be reclaimed to the following land use: Wildlife Habitat.

3. Productivity

The level of land productivity to be achieved on reclaimed areas shall not be less than existed prior to mining on an average property basis unless the Permittee can provide evidence which demonstrates, to the satisfaction of the Chief Inspector, the impracticality of doing so.

4. Revegetation

Land shall be re-vegetated to a self-sustaining state using appropriate plant species.

5. Use of Suitable Growth Medium

(a) On all lands to be revegetated, the growth medium shall satisfy land use, productivity, and water quality objectives. Topsoil and overburden (to rooting depth) shall be removed from operational areas prior to any disturbance of the land and stockpiled separately on the property for use in reclamation programs, unless the Permittee can provide evidence which demonstrates, to the satisfaction of the Chief Inspector, that reclamation objectives can otherwise be achieved.

(b) No topsoil shall be removed from the property without the specific written permission of the Inspector of Mines.

6. Buffer Zones and Berms

Buffer zones and/or berms shall be established between the mine and the property boundary unless exempted in writing by the Inspector of Mines.

7. Treatment of Structures and Equipment

Prior to abandonment, and unless the Chief Inspector has made a ruling otherwise, such as heritage project consideration or industrial use,

- (2) the Permittee can demonstrate that another private party has explicitly agreed to accept responsibility for the operation, maintenance and ultimate deactivation and abandonment of the road and has, in this regard, agreed to comply with all the terms and conditions, including bonding provisions, of this reclamation permit, and to comply with all other relevant provincial government (and federal government) regulatory requirements.

10. Disposal of Fuels and Toxic Chemicals

Fuels, chemicals or reagents which cannot be returned to the manufacturer/supplier are to be disposed of as directed by the Chief Inspector in compliance with municipal, regional, provincial and federal statutes.

11. Temporary Shutdown

If this quarry ceases operation for a period longer than one year the Permittee shall either continue to carry out the conditions of the permit or apply for an amendment setting out a revised program for approval by the Chief Inspector.

12. Safety Provisions

All safety and other provisions of the **Mines Act** shall be complied with to the satisfaction of the Chief Inspector.

13. Monitoring

The Permittee shall undertake monitoring programs, as required by the Inspector of Mines, to demonstrate that reclamation objectives are being achieved.

14. Alterations to the Program

Substantial changes to the program must be submitted to the Inspector of Mines for approval.

15. Notice of Closure

Pursuant to Part 10.6.1 of the Health, Safety and Reclamation Code for Mines in British Columbia, a Notice of Completion of Work shall be filed with the Inspector of Mines not less than seven days prior to cessation of work.

review. These readings shall be taken for a minimum of 2 years.

- h) All large mobile equipment shall be equipped with hydrocarbon spill kits to minimize the possibility of contamination of the nearby Kalamalka Lake.
- i) Property lines shall be flagged and the Permittee shall ensure that no disturbance occurs within 5 m of the line.
- j) All blasting activities shall be conducted under the supervision of a holder of a Blasting Certificate with Urban Endorsement issued by our Ministry.
- k) All blasts shall be suitably monitored and recorded.
- l) Pit access roadways shall not exceed 12 % grade.
- m) A geotechnical engineer shall be engaged to visit the site on an annual basis and provide an update on the geotechnical stability of the quarry.
- n) If archaeological artifacts are discovered during the course of operations they should remain undisturbed and the findings reported to the Archaeological Branch of the Ministry of Tourism, Culture and Arts.
- o) Silt laden water shall be suitably contained on site and not be allowed free access to any watercourse or stream.
- p) All fuel tanks shall be double walled and special care shall be taken to ensure that there is no hydrocarbon leakage to the environment.



The information on this form and any supporting documents are subject to the *Freedom of Information and Protection of Privacy Act*. The information requested on this form is collected and used for the purpose of administering the *Mines Act* of British Columbia and the *Health, Safety and Reclamation Code for Mines in British Columbia*. The *Mines Act* authorizes the collection of the requested information on this form. The completed form is routinely available to the public. Questions about how the *Freedom of Information and Protection of Privacy Act* applies to the information collected on this form can be directed to the Office of the Information and Privacy Commissioner—
phone: (250) 387-5629; fax: (250) 387-1696; mailing address: PO Box 9038 Stn. Prov. Govt. Victoria, British Columbia, V8W 9A4

Application is for: ☐ Sand and Gravel Mine ☒ Rock Quarry

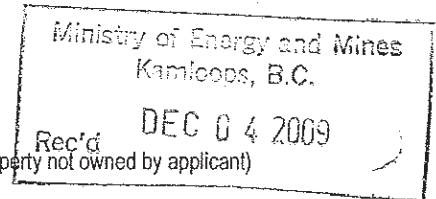
This application is for (check one):

☐ Development ☒ Amendment to existing permit **Permit # Q-4-37**

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-**Kelly Toews**

E-mail Address **kellytoews@aim.com**

Company (if applicable) **Pineridge Granite Products Inc.**

Address **37353 Ward Road**

City **Abbotsford**

Bus. Phone **(604-556-7625)**

Province **B.C.** Postal Code **V3G 2K6** Fax **(604-556-7772)**

LOCATION INFORMATION - Maps are mandatory under Schedule A **WESTERN**

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

Legal Description of Property: **SW 1/4 of 36 TWP 14 ODYD**

Street Address of Property, if applicable: **210 Bailey Road**

Access route from nearest town to property: **South from Vernon on Hwy. 97- access from Bailey Road.**

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

Northing: _____ Easting: _____ UTM Zone: _____

or NTS Map Sheet Number(s) [i.e. NTS 093L/14E]: 82/03W

Latitude: **50** °/ **10.3** ' / " Longitude: **119** °/ **52.96** ' / "

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 **Pineridge Granite Products Inc.**

Address - **37353 Ward Road**

City **Abbotsford, B.C.**

Bus. Phone **(604-556-7625)**

Province **B.C.** Postal Code **V3G 2K6** Fax **(604-556-7772)**

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

Name: **Kelly Toews** *Kelly Toews* Date: **Dec 2, 2009**

b) Proposed mine is on Crown land:

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

License of Occupation/Lease number: _____ 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 **Aggregate products & Landscape construction**

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OCT 06 2010

Mineral Claim/Lease Tenure Number(s): _____

MINISTRY OF ENERGY AND MINES

MANAGEMENTCorrespondence regarding this application should be sent to: ☒ Owner or ☐ Operator/AgentThe mine manager (*Mines Act* Sections 21 and 22) responsible for management and operation of the mine will be:Name: **Pete Larson**

Cell: 622

Assistant – Kelly Toews

Cell: (

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): _____ cm, or One mAverage depth of topsoil (Surface to maximum rooting depth of plants, plus 15 cm.): 30 cm, or _____ mMeasures to stabilize soil/overburden stockpiles and control noxious weeds: Stockpile topsoil and overburden in berm area, seed to approved grass mix to stabilize/preventing dust. Spray 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: _____

Name of TFL holder: _____

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 governmentOfficial Community Plan designation for the site is: Large Holdings (LH)Current land use zoning for the site is: Large Holdings (LH)Proposed end land use is: Large Holdings (LH) WILD LIFE HABITAT. X.**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): Topsoil and overburden stockpiled and returned to land after mining to meet end land use objectives. (wild life habitat)

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): Existing Proposed finish date (y/m/d) 2015 (phase one)

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: 1,360,000 tonnes,
or 544,000 m³ minus approximately 44,000 m³ for unusable till material.

Estimated annual extraction from site: 225,000 tonnes/yr, or 90,000 m³/yr

This is for phase one while environmental study is in progress for phase two and three.

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):

- | | |
|---|--|
| <input checked="" type="checkbox"/> Excavation of Pit Run | <input type="checkbox"/> Washing - please complete Schedule B |
| <input checked="" type="checkbox"/> Crushing | <input checked="" type="checkbox"/> Blasting - please complete Schedule C |
| <input checked="" type="checkbox"/> Mechanical Screening | <input type="checkbox"/> Timber Clearing * - estimate volume of timber: _____ m ³ |

* 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): **Drill and blast, Excavate quarry rock working in a series of double benches 12 meters high. Muck to be removed from benches using excavator and front-end loader and rock trucks, feeding the crusher and screening plant processing the material. Operating between 7:00 am to 7:00pm Five to six days per. week (more or less) depending on demand of production needed. Construct haul road from existing phase 1 area through the property to access phase 2 mining area (under environmental review)**

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

Type of Machine	Make/Model	Size/Capacity	# on Site
Excavator	Caterpillar 245	3.5 yard	990
	Hitachi EX 200	1 yard	336
Front-end Loader	Cat 980B	5 Yard	980K
	Volvo 220D	6 Yard	220
	Volvo 330C	10 Yard	260
	Hough 400C	Boom for Lifting	609
Rock Trucks	Cat D400 6x6	40 ton	510
	Cat D400 6x6	40 ton	511
Drill (Rental at this time)	Various different - Hydraulic drills Tam Rock Possibly a Atlas Copco ROC L8	Down the hole hammer 4" to 6"	T & A Blasting (at this time)
Power Generator Future Hydro Powerline	Cummins - 1710	600 KW	100
Primary crusher	A.C. - Gyratory	16" X 50"	294- Plant-79
Vibrating grizzly feeder	Cedar Rapids - 2 step Grizzly Rip Rap sorter	5' X 20'	900

Secondary cone & screening plant	AC 500 portable hydro cone	54" hydro cone	229 Plant-75
AC screen	AC - 2 deck screen	5' X 16' - 2 deck	289
Screen	Deister - 3 deck	6' X 24' -3 deck	226

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 **5.2** 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 **2** hectares **Phase1**
area

Total Disturbed Area (Existing + Proposed Disturbance) _____ m², or **7.2** 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 _____ hectares

Estimated Cost of Reclamation: Applicant \$ **access road to remain** as is until environmental study is complete and permits issued; after which access road from pit to 210 Bailey will be reconstructed with 2 lane access all the way.

Mining Division \$ **NA** _____

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? 50 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) _____

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.): **Fuel stored in appropriate spill protection tanks, as per.**

Environmental regulations.

-A number of settlement catch ponds in drainage ditch system.

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: 250 m, or _____ km

Shortest distance between proposed excavation to nearest residential water source: 150 m, or _____ km

Describe measures proposed to prevent inadvertent access of unauthorized persons on the mine site (i.e. fencing, vegetative barriers, berms, etc.): **Site will Have Locked gate at entrance to mine. Berms to create a buffer area to mining to mitigate noise and visual impact.**

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: **Berms, Mufflers on Eq., Rubber at drop points to cut down noise.**

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: **Dust suppression on Roadway, Water spray, Dust collectors.**

Are measures proposed to minimize visual impacts of the proposed operation? (i.e. vegetative barriers, berms, green belts, etc.) ☐ No ☒ Yes - Please describe: **Berms, Seed berms to Natural vegetation that would grow in the area.**

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: **Cellular and 2 way radio**

Location of nearest hospital: **Vernon B.C.**

Travel time to hospital: **10 to 12 Minutes**

Estimated number of employees on site (includes contractors): **3 to 5 workers**

Describe First Aid Level and supplies **First aid Trained personal on Job site and Standard WCB First aid kits on site in the tool shed and the first aid station.**

I, Kelly Toews 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: _____

Kelly Toews

Date: _____

Dec 2 2009

Applications will be returned if not accompanied by legible and suitable maps

Schedule A1 (compulsory): Location map (1:50,000 scale)

Indicate the location of the property with respect to local communities

Schedule A2 (compulsory): Local Features map (1:20,000 scale - TRIM map)

Map should show topography, water courses, existing access and/or proposed new or upgraded access, the location of proposed mining area, and location (if known) of historical/cultural resources. If applicable, locate the boundaries of Forest Land Reserves and Agricultural Land Reserves on the map.

Schedule A3 (compulsory): Land Title map

The subject parcel and adjacent properties must be clearly identified and the following items detailed:

- location of all structures and wells within 300 metres of proposed mining area
- identify current land uses on adjoining properties (i.e. forested, chicken farm, etc.)
- ***Was an old gravel Pit and now there is a residential dwelling on property and currently doing gravel screening.***

Schedule A4: Mineral Tenure map (at scale maintained by Mineral Titles Branch for subject area)

Mineral Tenure map(s) are required if quarrying a mineral (*as defined under the Mineral Tenure Act*)

Schedule A5: Terrain/geology and Terrain Stability Map (1:20,000 scale)

Terrain map(s) are required:

- for excavations on slopes greater than 50%, and/or
- for excavations in areas with a stability rating of Class IV or V; or
- if requested by the Inspector

The Inspector may require a "Detailed Terrain Stability Assessment" and/or a "Soil Erosion Hazard Assessment".

Schedule A6 (compulsory): Mine Development Plan at 1:5,000 or more detailed scale

The District Inspector may require a mine plan to be prepared by a suitable qualified P.Eng/Geol based on a topographical site survey, terrain stability and erosion hazard assessments.

All plans and sections must indicate the scale and orientation of the drawing (please refer to attached sample)

1) Plan View of Proposed Development

Must illustrate the location of:

- Property boundaries and set back of excavation from property boundary
- Watercourses and drainages (wet, dry or intermittent) on the property and within 150 metres of its boundaries
- All previous surface workings, the final boundaries of proposed excavation, and boundaries of excavation at the end of development described in Notice of Work (please specify on drawing)
- Access roads, including development roads within the pit and access to public road(s)
- All proposed and existing stockpiles (i.e. topsoil, overburden, product, etc.)

Where applicable, show location of:

- All settling ponds (for both surface run off and process water) and source of process water
- Buildings and other facilities (i.e. fuel/lubricant storage, sanitary facilities, weigh scale, etc.)
- sediment control structures and the location of any point discharges from the property
- Fencing, berms, and/or vegetative buffers

1) Cross Sections of Proposed Development

At least two cross sections, orientated perpendicular to each other, must be provided

The location of cross sections must be shown on the plan view map(s). Cross sections must illustrate:

- The original land surface and, if applicable, the groundwater table elevation
- Typical configuration during mining, indicating angle of slope and, where applicable, bench locations
- Proposed configuration on completion of reclamation

Schedule B
Washing of Aggregate on Site/Sediment Control Structures

Mark the location(s) of all proposed settling ponds and/or sediment control structures on the appropriate map(s) under Schedule A.
Extend existing surface water management control system already in place.

Describe the source of water supply: Run off

Estimate volume of water to be used: NA (cu. ft./sec), or _____ (liters/sec)

Complete the following table for existing and proposed settling ponds:

Pond #	Water Source (i.e. surface run off, wash plant, etc.)	Width (m)	Length (m)	Depth (m)	Construction Method (excavated, dyked, etc.)
#1	<u>Surface runoff</u>	<u>3</u>	<u>5</u>	<u>1-2</u>	<u>Excavated and or Dyked</u>
#2	<u>Surface runoff</u>	<u>3</u>	<u>5</u>	<u>1-2</u>	<u>Excavated and or Dyked</u>
#3	<u>Surface runoff</u>	<u>3</u>	<u>5</u>	<u>1-2</u>	<u>Excavated and or Dyked</u>
	<u>Connected by ditch from out fall of ponds.</u>				

Water from ponds will (check one): ☐ be recycled ☒ exfiltrate to ground ☐ discharge to environment

If discharged to the environment, a **Waste Management Act** permit is required.

Where there is a discharge to the environment:

- provide a cross section illustrating the sediment control structure(s), decant structure(s), and point of discharge to environment
- describe the type of sediment control structure(s): pond overflow to next pond down stream, coarse gravel and it filters into the ground.
- describe the type and construction of the decant structure: Settling and seeping into coarse gravel.
- describe area into which water is discharged: Coarse Gravel.

For all settling ponds describe:

- Spillway design: coarse pit run gravel to next pond and or culvert.
- Clean out method: Excavator.
- Disposal of fines from clean out (i.e. use as a subsoil material): Mix into overburden to be used for reclamation.

Describe proposed reclamation activities and timing of reclamation work: Progressive reclamation where possible – as Quarry progresses

Kelly Towns

Dec. 2 2008

Applicant Signature

Date

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 **300** m, or _____ km

Shortest distance between blasting operations to nearest water well **150** m, or _____ 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 **At this time we are contracting it out, but we would plan to change this in the future to drilling and blasting ourselves.**

Name of Blaster/Company: **Contractor at this time - T & A Blasting Corp.** Blaster's Certificate # **40619 #42884 #40616**

In the Future - Western Rock Products Inc. or other qualified contractor.

Blaster's Certificate # **See attached letter February 20 2008 For Caleb Toews**

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

Will explosives be stored on site? ☒ No **Not at this time** ☐ 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: **Ammonium Nitrate,**
- detonation method: **One electric cap detonating Nonel or EZ E- Det system**
- type of explosives magazine: **None at this time.**
- blasting procedure (public notification, on-site safeguards, timing, etc.):
- **Nonels or EZE - Det system using 1/2 lb. or 1lb. Primers**
- **Ammonium Nitrate**
- **Post Blast guards as needed.**
- **All safety procedures**
- **Blast signals**

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

Kelly Toews.

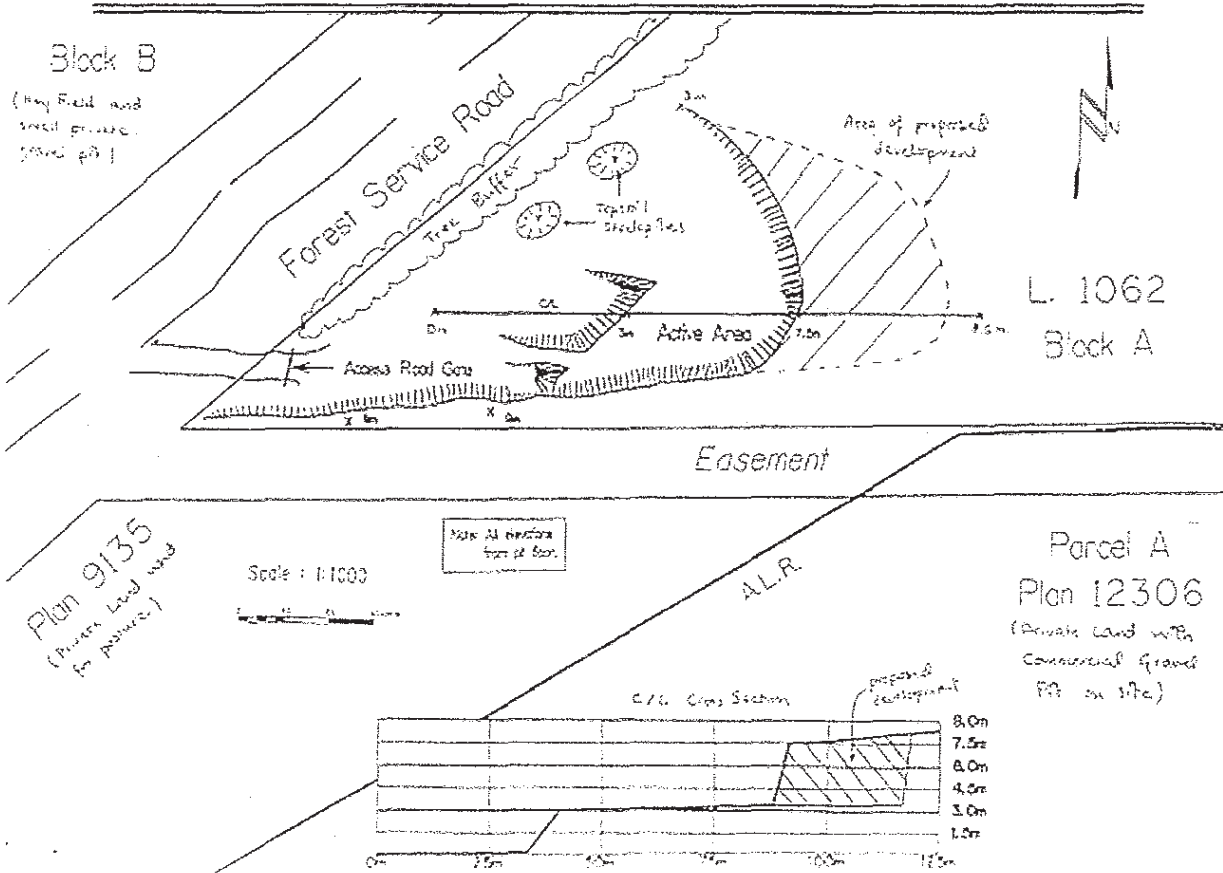
Dec. 2 2009.

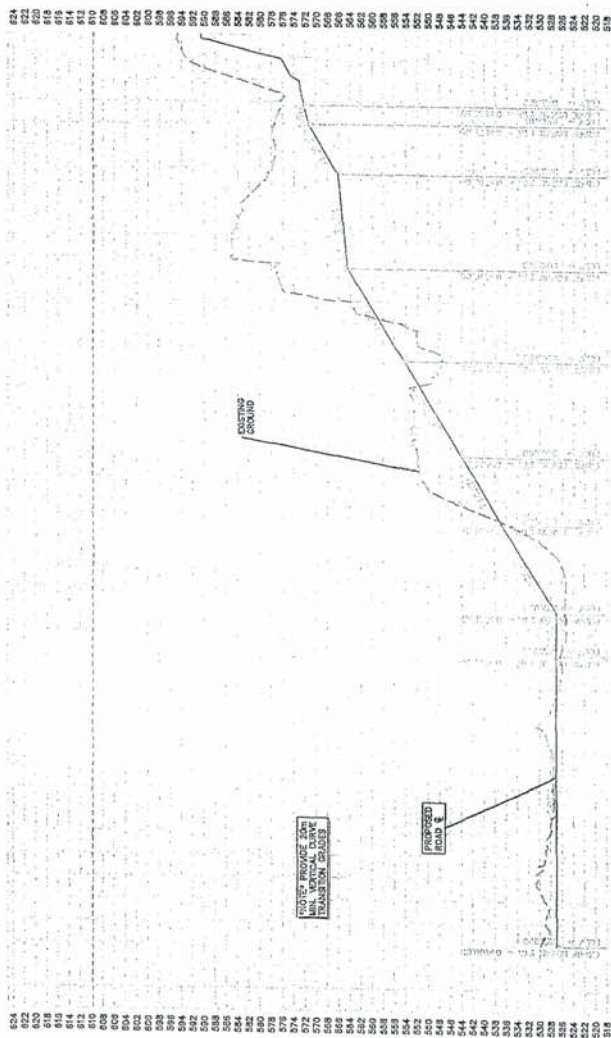
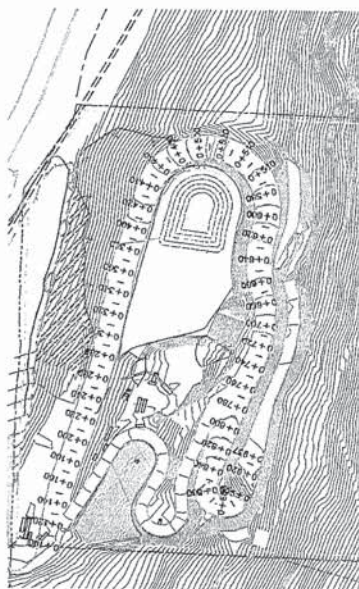
Applicant Signature

Date

SAMPLE MAP - Plan View and Cross-Section

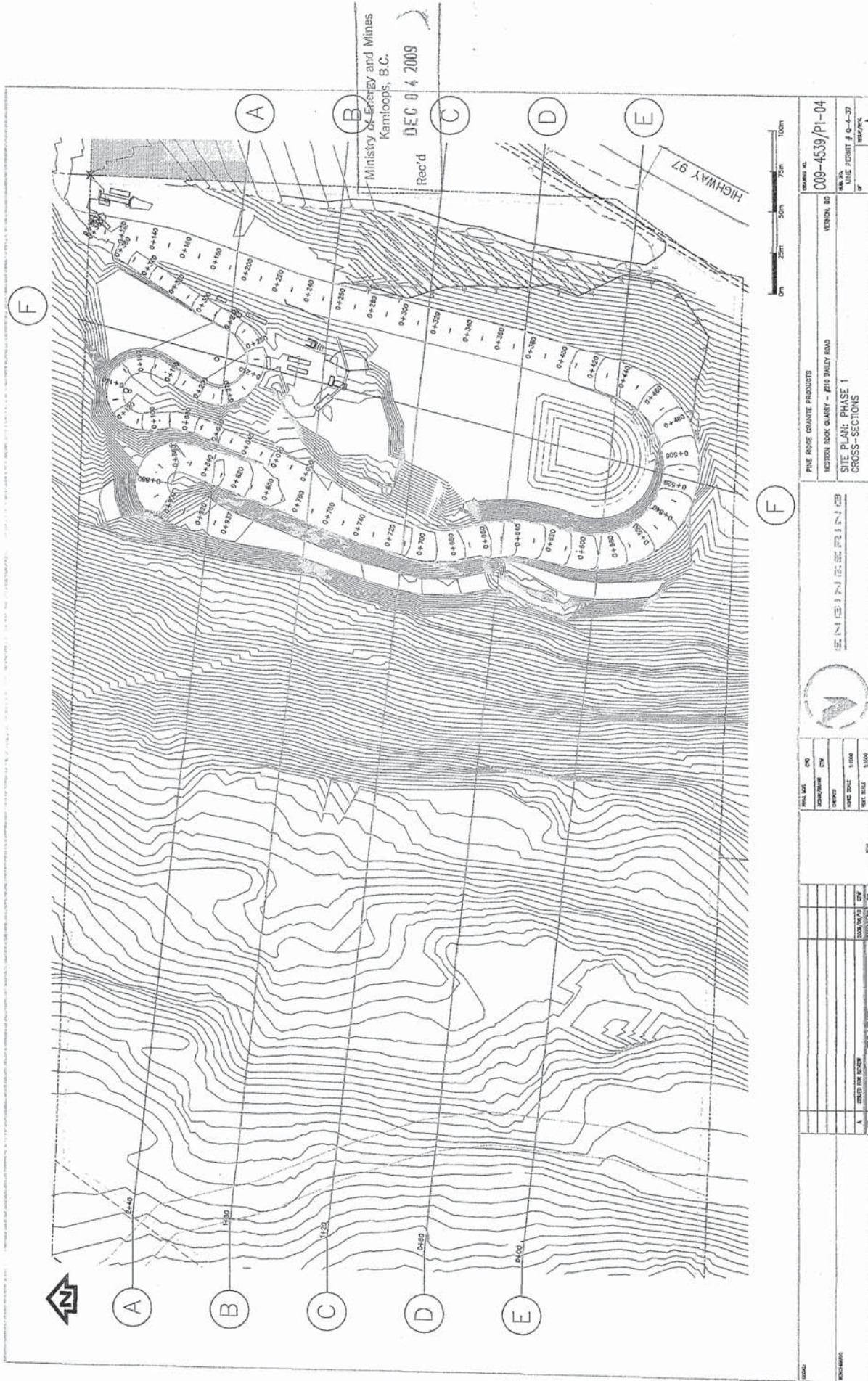
Please provide separate maps for plan view and cross-sections, on paper no smaller than 5 1/2" x 11."
At least 2 cross sections orientated perpendicular to each other, are required.





Ministry of Energy and Mines
Kamloops, B.C.
DEC 04 2009
Rec'd

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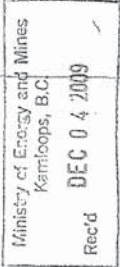


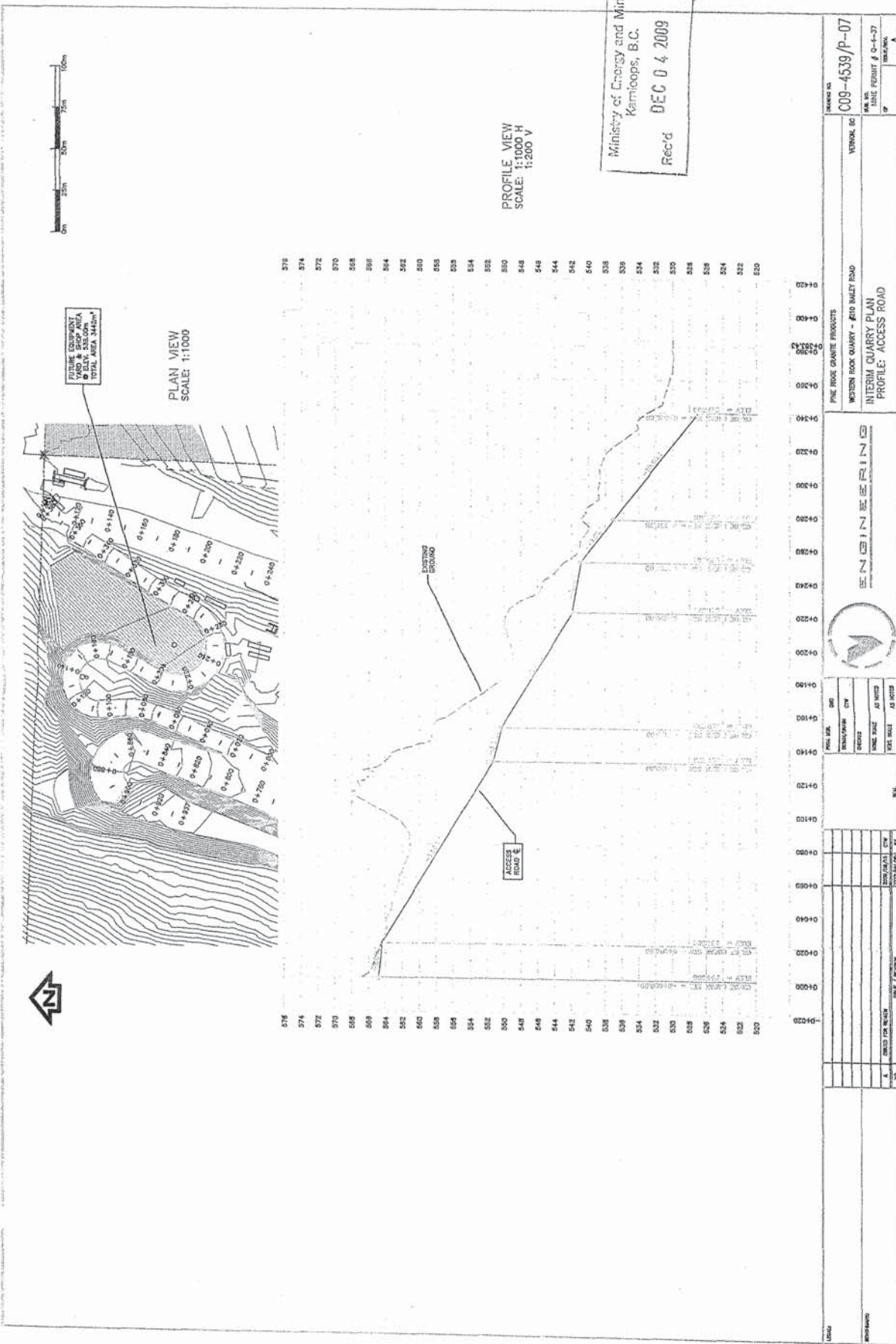
Ministry of Energy and Mines
Kamloops, B.C.

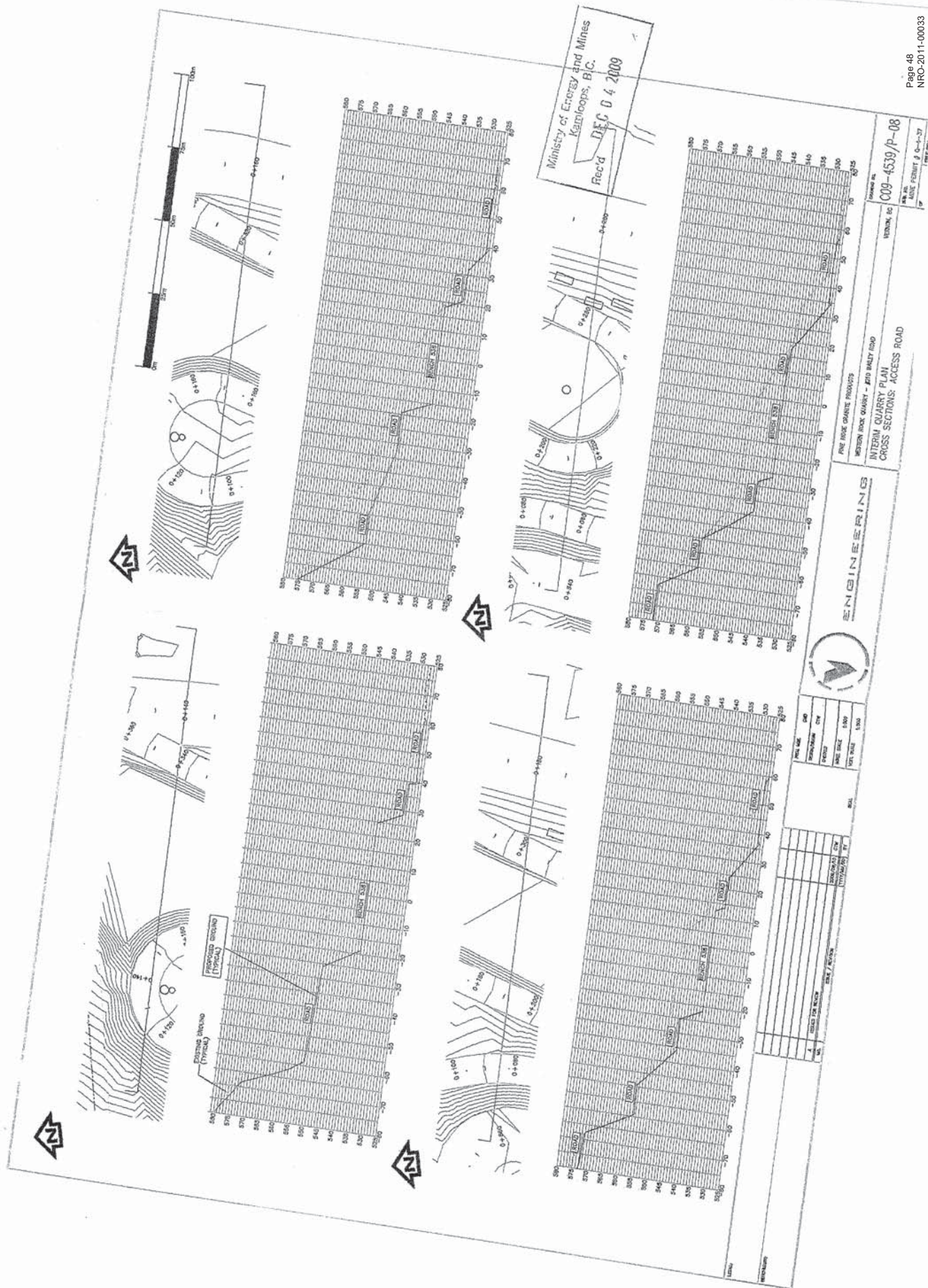
DEC 04 2009

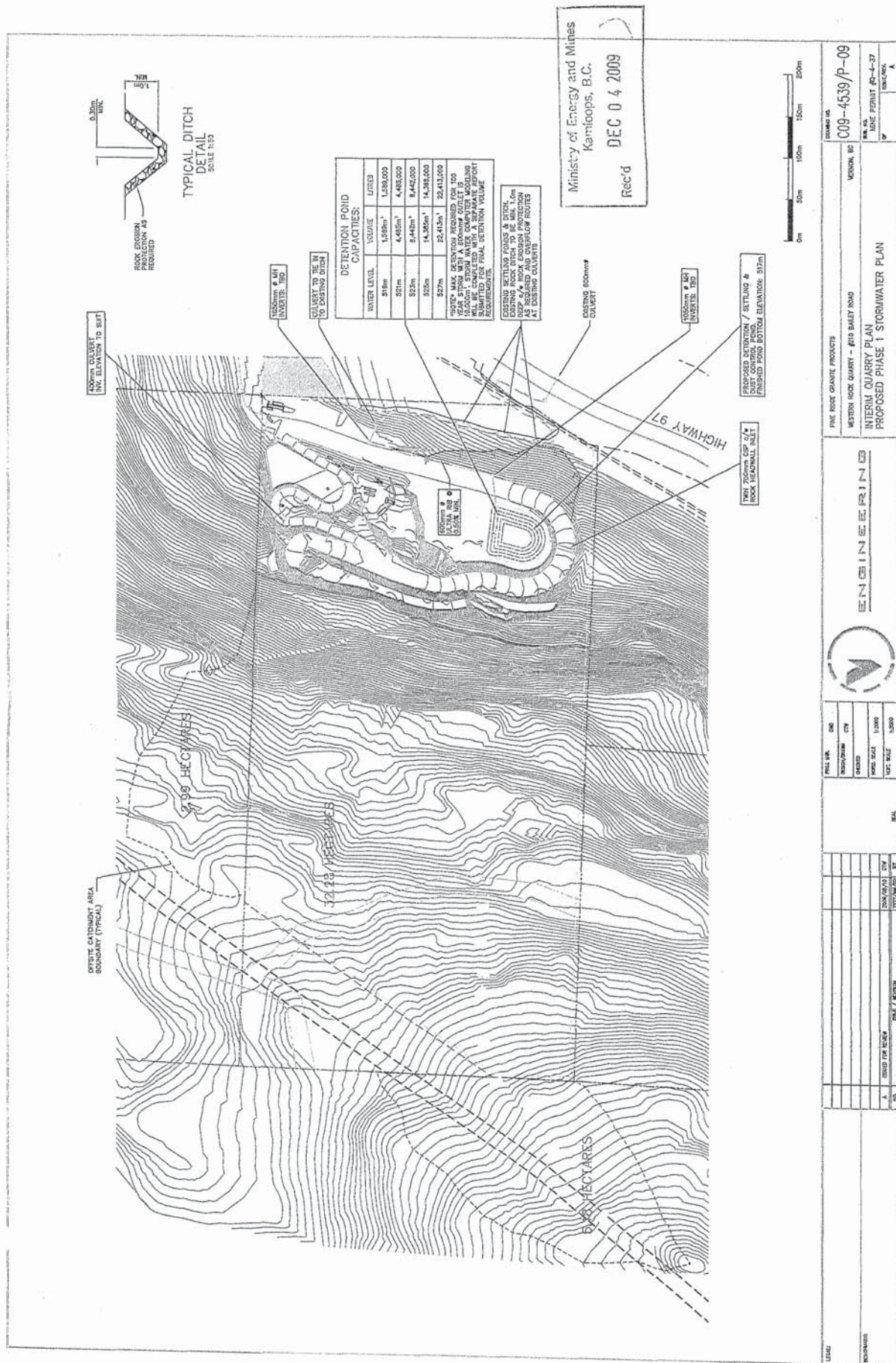
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PROJECT NO.		C09-4539/P1-04	
VENUE, BC		VENUE, BC	
PINE RIDGE GRANITE PRODUCTS		MISSION ROCK QUARRY - 210 BULKY ROAD	
SITE PLAN: PHASE 1		CROSS-SECTIONS	
DATE: 11/11/09		SCALE: 1:1000	
DRAWN BY: [Signature]		CHECKED BY: [Signature]	
DATE: 11/11/09		SCALE: 1:1000	
PROJECT NO.		C09-4539/P1-04	
VENUE, BC		VENUE, BC	
PINE RIDGE GRANITE PRODUCTS		MISSION ROCK QUARRY - 210 BULKY ROAD	
SITE PLAN: PHASE 1		CROSS-SECTIONS	
DATE: 11/11/09		SCALE: 1:1000	
DRAWN BY: [Signature]		CHECKED BY: [Signature]	
DATE: 11/11/09		SCALE: 1:1000	









PROVINCE OF BRITISH COLUMBIA
MINISTRY OF ENERGY, MINES AND PETROLEUM RESOURCES

QUARRY PERMIT
APPROVING WORK SYSTEM AND RECLAMATION PROGRAM
(Issued pursuant to Section 10 of the Mines Act S.B.C. 1989)

Permit: Q-7-45

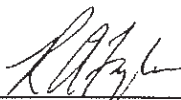
Issued to: Quality Industrial Minerals & Supply Inc.
4550 East Hastings St.,
North Burnaby, B.C.
V5C 2K4

for work located at the following property:

P.I.D. 000-970-107 S. 1/2 of S.E. 1/4
Section 32, Twp. 19, N.W.D.

This approval and permit is subject to the appended conditions.

Issued this 13th day of August in the year 1993.



R.A. Fyles, P. Eng.
Chief Inspector of Mines

PREAMBLE

Notice of intention to commence work on a quarry, including a plan of the proposed work system and a program for the protection and reclamation of the surface of the land and watercourses affected by the work dated April 20, 1993, was filed with the District Inspector on April 26, 1993. Notice of such filing was published in Abbotsford and Matsqui News on May 5, 1993 and in the B. C. Gazette on April 29, 1993.

This permit contains the requirements of the Ministry of Energy, Mines and Petroleum Resources for reclamation. It is also compatible, to the extent possible, with the requirements of other provincial ministries for reclamation issues. The amount of security required by this permit, and the manner in which this security may be applied, will also reflect the requirements of those ministries. Nothing in this permit, however, limits the authority of other provincial ministries to set other conditions, or to act independently, under their respective permits and legislation.

Decisions made by staff of the Ministry of Energy, Mines and Petroleum Resources will be made in consultation with other ministries.

CONDITIONS

The Chief Inspector of Mines (Chief Inspector) hereby approves the work plan and the program for protection and reclamation of the land surface and watercourses subject to compliance with the following conditions:

1. Reclamation Security

(a) The owner, agent or manager (herein called the Permittee) shall maintain with the Minister of Finance and Corporate Relations securities in the amount of Ten Thousand dollars (\$10,000.00). The security will be held by the Minister of Finance and Corporate Relations for the proper performance of the approved program and all the conditions of this permit in a manner satisfactory to the Chief Inspector.

(b) The Permittee shall conform to all forest tenure requirements of the Ministry of Forests. Should the Permittee not conform to these requirements then all or part of the security may be used to cover the costs of these requirements.

- (c) The Permittee shall conform to all Ministry of Environment approval, licence and permit conditions, as well as requirements under the **Wildlife Act**. Should the Permittee not conform to these conditions, then all or part of the security may be used to fulfill these requirements.

2. Land Use

The surface of the land and watercourses shall be reclaimed to the following land use: farming/residential

3. Productivity

The level of land productivity to be achieved on reclaimed areas shall not be less than existed prior to mining on an average property basis unless the Permittee can provide evidence which demonstrates, to the satisfaction of the Chief Inspector, the impracticality of doing so.

4. Revegetation

Land shall be revegetated to a self-sustaining state using appropriate plant species.

5. Use of Suitable Growth Medium

- (a) On all lands to be revegetated, the growth medium shall satisfy land use, productivity, and water quality objectives. Topsoil and overburden (to rooting depth) shall be removed from operational areas prior to any disturbance of the land and stockpiled separately on the property for use in reclamation programs, unless the Permittee can provide evidence which demonstrates, to the satisfaction of the Chief Inspector, that reclamation objectives can otherwise be achieved.
- (b) No topsoil shall be removed from the property without the specific written permission of the District Inspector.

6. Buffer Zones and Berms

Buffer zones and/or berms shall be established between the mine and the property boundary unless exempted in writing by the District Inspector.

7. Treatment of Structures and Equipment

Prior to abandonment, and unless the Chief Inspector has made a ruling otherwise, such as heritage project consideration or industrial use,

- (a) all machinery, equipment and building superstructures shall be removed,
- (b) concrete foundations shall be covered and revegetated unless, because of demonstrated impracticality, they have been exempted by the Inspector, and
- (c) all scrap material shall be disposed of in a manner acceptable to the Inspector.

8. Watercourses

- (a) Watercourses shall be reclaimed to a condition that ensures
 - (1) long-term water quality is maintained to a standard acceptable to the Chief Inspector,
 - (2) drainage is restored either to original watercourses or to new watercourses which will sustain themselves without maintenance, and
 - (3) use and productivity objectives are achieved and the level of productivity shall not be less than existed prior to mining unless the Permittee can provide evidence which demonstrates, to the satisfaction of the Chief Inspector, the impracticality of doing so.
- (b) Water which flows from disturbed areas shall be collected and diverted into settling ponds.

9. Roads

- (a) All roads shall be reclaimed in accordance with land use objectives unless permanent access is required to be maintained.
- (b) Individual roads will be exempted from the requirement for total reclamation under condition 9(a) if either:

- (1) the Permittee can demonstrate that an agency of the Crown has explicitly accepted responsibility for the operation, maintenance and ultimate deactivation and abandonment of the road; or
- (2) the Permittee can demonstrate that another private party has explicitly agreed to accept responsibility for the operation, maintenance and ultimate deactivation and abandonment of the road and has, in this regard, agreed to comply with all the terms and conditions, including bonding provisions, of this reclamation permit, and to comply with all other relevant provincial government (and federal government) regulatory requirements.

10. Disposal of Fuels and Toxic Chemicals

Fuels, chemicals or reagents which cannot be returned to the manufacturer/supplier are to be disposed of as directed by the Chief Inspector in compliance with municipal, regional, provincial and federal statutes.

11. Temporary Shutdown

If this sand and gravel pit ceases operation for a period longer than one year the Permittee shall either continue to carry out the conditions of the permit or apply for an amendment setting out a revised program for approval by the Chief Inspector.

12. Safety Provisions

All safety and other provisions of the **Mines Act** shall be complied with to the satisfaction of the Chief Inspector.

13. Monitoring

The Permittee shall undertake monitoring programs, as required by the District Inspector, to demonstrate that reclamation objectives are being achieved.

14. Alterations to the Program

Substantial changes to the program must be submitted to the District Inspector for approval.

15. Notice of Closure

Pursuant to Part 10.5.1 of the Health, Safety and Reclamation Code for Mines in British Columbia, a Notice of Completion of Work shall be filed with the District Inspector not less than seven days prior to cessation of work.

16. Annual Reclamation Report

By March 31 of each year, an annual reclamation report shall be submitted in a form and containing the information required by the Chief Inspector.

SPECIAL CONDITIONS:

1. A water management plan for the site shall be submitted for review and approval by August 31, 1993 as per B.C. Environment's letter dated July 14, 1993 (enclosed).
2. A drilling and blasting plan to control ground vibration and blasting noise shall be developed and submitted for review and approval by August 31, 1993.
3. The crushing station shall be enclosed by natural rock, stockpiles or other structures to reduce noise levels by neighbouring residences.
4. Dust generated by the crushing and screening plant shall be controlled at source points by water sprays and any dust on the site access road shall be controlled by water truck spraying or pavement.
5. A natural undisturbed vegetation buffer zone of a minimum of 10 metres shall be maintained along the south boundary of the property, and suitable buffer protection provided to McKay Creek as per B. C. Environment's letter dated July 14, 1993.



Province of
British Columbia

MINISTRY OF
ENVIRONMENT
LANDS AND PARKS

BC
Environment
LOWER MAINLAND REGION

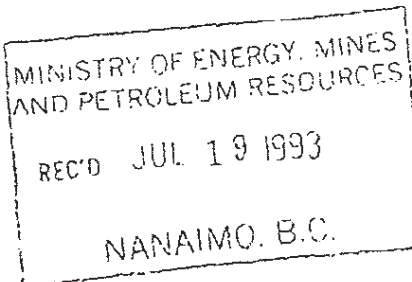
120 - 152 A Street
Surrey,
British Columbia
V3R 7P9
Telephone: (604) 562-5200
Facsimile: (604) 660-8926

July 14, 1993

Our File: 43450-60/93

Ministry of Energy, Mines,
and Petroleum Resources
Shenton Building
1A - 3411 Shenton Road
NANAIMO BC V9T 2H1

Attention: E.W. Beresford, P.Eng.



Dear Sir:

RE: INTERIM RESPONSE: QUARRY OPERATION REFERRAL
JAMIESON'S PROPERTY, ABBOTSFORD, B.C.

Reference is made to the above application for approval of a Notice of Work and Reclamation Program for a proposed quarry operation.

It is understood that the Ministry of Energy, Mines and Petroleum Resources has requested the proponent to submit detailed plans for mining development and phased reclamation as well as a water management plan prior to July 31, 1993.

Fish and Wildlife Management has an interest in McKay Creek which drains the northeastern part of the subject property. The stream is incised in a steep ravine and in order to maintain bank integrity, a leavestrip will be required. Fish and Wildlife requests the opportunity to review and comment on the aforementioned plans prior to permit issuance. Leavestrip width and other mitigative measures can be recommended following review of the plans.

Thank you for your patience in this matter. Please submit the plans through Planning and Assessment for forwarding to Fish and Wildlife. If you have any questions, please contact Jean Cook, Referrals Clerk, at the above number.

Sincerely,

for Brian Clark, RPBio.
Regional Manager
Planning and Assessment

BJC:mw

cc: Sylvia Léty, Fish and Wildlife, Chilliwack

REC'D NOV 28 2001

November 27, 2001

File No.: 14675-30/ML-QU-JAMI

Jamieson Quarries Ltd.
820 1180 West Georgia Street
Vancouver, British Columbia
V6E 4A2

Attention: J. Derek Holmes

Dear Sir:

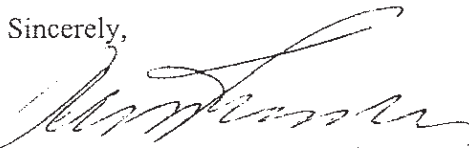
Re: Amendment to Reclamation Permit Q-7-45
Pursuant to the *Mines Act*

An application to amend permit **Q7-45**, including a plan of the proposed work system and a program for the protection and reclamation of the surface of the land and water courses affected by the work dated **July 4, 2001**, was filed with the District Inspector on **July 10, 2001**. Notice of such filing was published in **The Abbotsford News** on **August 21, 23 and 25, 2001** and in the **Gazette** on **August 23, 2001**.

The Chief Inspector of Mines hereby approves this application and amends the permit to increase production from 100,000 tonnes per annum to 225,000 tonnes per annum as noted in the application dated July 4, 2001 and as per Special Condition 16 (a) of the permit issued August 7, 2001.

Please attach this letter to your permit, as it becomes an integral part of it.

Sincerely,



for F. W. Hermann, P. Eng.
Chief Inspector of Mines

Enclosure

p.c. John Errington, Manager, Reclamation and Permitting
Frank Sojonky, President, Jamieson Quarries Ltd.

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Ministry of
Energy and Mines

Mines Branch
Energy and Minerals Division

Mailing Address:
2080e Labieux Road
Nanaimo BC V9T 6J9

Telephone: (250) 751-7240
or (604) 660-9363
Facsimile: (250) 751-7373

PROVINCE OF BRITISH COLUMBIA
MINISTRY OF ENERGY AND MINES

QUARRY PERMIT
APPROVING WORK SYSTEM AND RECLAMATION PROGRAM
(Issued pursuant to Section 10 of the *Mines Act*, R.S.B.C. 1996, c.293)

Permit: **Q-7-45 (Amendment to permit issued August 13, 1993)**

Issued to: **Jamieson Quarries Ltd.**
820 1180 West Georgia Street
Vancouver, British Columbia
V6E 4A2

for work located at the following property: **Jamieson's Quarry - 37120 Keeping Road (Abbotsford)**

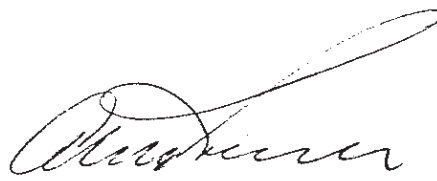
Located at: **NTS: 092G/01E**
Lat: 049°05'
Long: 122°12'

Legal Description: **South Half of the Southeast Quarter, Section 32, Township 19, New Westminster District.**

Access: **North Parallel Road east from Whatcom Road, North onto Sumas Mountain Road, then East on Keeping Road.**

This Approval and Permit are subject to the appended conditions.

Issued this **7th** day of **August** in the year **2001**.


F. W. Hermann, P. Eng.
Chief Inspector of Mines

PREAMBLE

An application to amend permit **Q-7-45**, including a plan of the proposed work system and a program for the protection and reclamation of the surface of the land and watercourses affected by the work dated **July 4, 2001** was filed with the District Inspector on **July 10, 2001**. The requirement to publish notice of such filing in the local newspaper and Gazette has been waived.

This permit contains the requirements of the Ministry of Energy and Mines for reclamation. It is also compatible, to the extent possible, with the requirements of other provincial ministries for reclamation issues. The amount of security required by this permit, and the manner in which this security may be applied, will also reflect the requirements of those ministries. Nothing in this permit, however, limits the authority of other provincial ministries to set other conditions, or to act independently, under their respective permits and legislation.

Decisions made by staff of the Ministry of Energy and Mines will be made in consultation with other ministries.

CONDITIONS

The Chief Inspector of Mines (Chief Inspector) hereby approves the work plan and the program for protection and reclamation of the land surface and watercourses subject to compliance with the following conditions:

1. Reclamation Security

- (a) The owner, agent or manager (herein called the Permittee) shall maintain with the City of Abbotsford securities in the amount of **Thirty Thousand Dollars (\$30,000.00)**. The security will be held by the City of Abbotsford for the proper performance of the approved program and all the conditions of this permit in a manner satisfactory to the Chief Inspector.
- (b) The Permittee shall conform to all forest tenure requirements of the Ministry of Forests. Should the Permittee not conform to these requirements then all or part of the security may be used to cover the costs of these requirements.
- (c) The Permittee shall conform to all Ministry of Water, Land and Air Protection approval, licence and permit conditions, as well as requirements under the *Wildlife Act*. Should the Permittee not conform to these conditions, then all or part of the security may be used to fulfill these requirements.

2. Land Use

The surface of the land and watercourses shall be reclaimed to the following land use: **residential**.

3. Productivity

The level of land productivity to be achieved on reclaimed areas shall not be less than existed prior to mining on an average property basis unless the Permittee can provide evidence which demonstrates, to the satisfaction of the Chief Inspector, the impracticality of doing so.

4. Revegetation

Land shall be revegetated to a self-sustaining state using appropriate plant species.

5. Use of Suitable Growth Medium

- (a) On all lands to be revegetated, the growth medium shall satisfy land use, productivity, and water quality objectives. Topsoil and overburden (to rooting depth) shall be removed from operational areas prior to any disturbance of the land and stockpiled separately on the property for use in reclamation programs, unless the Permittee can provide evidence which demonstrates, to the satisfaction of the Chief Inspector, that reclamation objectives can otherwise be achieved.
- (b) No topsoil shall be removed from the property without the specific written permission of the District Inspector.

6. Buffer Zones and Berms

Buffer zones and/or berms shall be established between the mine and the property boundary unless exempted in writing by the District Inspector.

7. Treatment of Structures and Equipment

Prior to abandonment, and unless the Chief Inspector has made a ruling otherwise, such as heritage project consideration or industrial use,

- (a) all machinery, equipment and building superstructures shall be removed,
- (b) concrete foundations shall be covered and revegetated unless, because of demonstrated impracticality, they have been exempted by the Inspector, and
- (c) all scrap material shall be disposed of in a manner acceptable to the Inspector.

8. Watercourses

- (a) Watercourses shall be reclaimed to a condition that ensures:
 - (i) long-term water quality is maintained to a standard acceptable to the Chief Inspector,

- (ii) drainage is restored either to original watercourses or to new watercourses which will sustain themselves without maintenance, and
 - (iii) use and productivity objectives are achieved and the level of productivity shall not be less than existed prior to mining unless the Permittee can provide evidence which demonstrates, to the satisfaction of the Chief Inspector, the impracticality of doing so.
- (b) Water which flows from disturbed areas shall be collected and diverted into settling ponds.

9. Roads

- (a) All roads shall be reclaimed in accordance with land use objectives unless permanent access is required to be maintained.
- (b) Individual roads will be exempted from the requirement for total reclamation under condition 9(a) if either:
 - (i) the Permittee can demonstrate that an agency of the Crown has explicitly accepted responsibility for the operation, maintenance and ultimate deactivation and abandonment of the road, or
 - (ii) the Permittee can demonstrate that another private party has explicitly agreed to accept responsibility for the operation, maintenance and ultimate deactivation and abandonment of the road and has, in this regard, agreed to comply with all the terms and conditions, including bonding provisions, of this reclamation permit, and to comply with all other relevant provincial government (and federal government) regulatory requirements.

10. Disposal of Fuels and Toxic Chemicals

Fuels, chemicals or reagents which cannot be returned to the manufacturer or supplier are to be disposed of as directed by the Chief Inspector in compliance with municipal, regional, provincial and federal statutes.

11. Temporary Shutdown

If this quarry ceases operation for a period longer than one year the Permittee shall either continue to carry out the conditions of the permit or apply for an amendment setting out a revised program for approval by the Chief Inspector.

12. Safety Provisions

All safety and other provisions of the *Mines Act* shall be complied with to the satisfaction of the Chief Inspector.

13. Monitoring

The Permittee shall undertake monitoring programs, as required by the District Inspector, to demonstrate that reclamation objectives are being achieved.

14. Alterations to the Program

Substantial changes to the program must be submitted to the District Inspector for approval.

15. Notice of Closure

Pursuant to Part 10.5.1 of the Health, Safety and Reclamation Code for Mines in British Columbia, a Notice of Completion of Work shall be filed with the District Inspector not less than seven days prior to cessation of work.

16. Special Conditions

- (a) This approval is for drilling, blasting, pit run extraction, screening and crushing operations to a maximum of 40,000 m³ per annum (approximately 100,000 tonnes), extending the existing workings as per the original mine plan submitted by J. Lee in July 1993, and also noted in the letter from the City of Abbotsford dated April 27, 2001 approving Soil Removal/Deposit Permit No. 01-848. Future expansion of this quarry to a rate of 225,000 tonnes per annum as noted in the Notice of Work and Reclamation Program dated July 4, 2001 will be handled as an amendment of this permit.
- (b) Blasting activities shall be supervised by a certified blaster and shall be conducted in a manner that minimizes ground vibrations and noise to levels below industry standard accepted thresholds. All blasts shall be monitored for seismic vibration and air shock noise.
- (c) The operator shall conduct building inspections using a qualified building inspector on all homes on the subject property and adjacent properties and including foundations on the adjacent Trans Mountain Pipeline tank farm. These inspections shall be completed by December 31, 2001.
- (d) Runoff water management shall be as outlined in the above noted Notice of Work and Reclamation Program and/or utilization of existing settling ponds. There shall be no release of sediment, sediment-laden water or any other deleterious substances into McKay Creek.

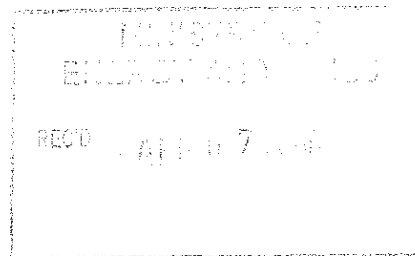
- (e) Dust generated by the crushing and screening plant and any other onsite operations will be controlled at source points by water sprays or other suitable means.
- (f) A natural undisturbed vegetation buffer zone of at least 10 meters width shall be maintained along the south boundary of the property.
- (g) Hours of operation shall be in accordance with the City of Abbotsford Noise By-laws.



April 5, 2000

File No.: 14675-30\ML-QU-QUAL

Quality Industrial Mineral & Supply Inc.
4550 East Hastings Street
Burnaby, British Columbia
V5C 2K4



Attention: Mr. Jack D. Lee

Dear Sir:

Re: Application for *Mines Act* Approval
Amendment to Reclamation Permit No.: Q-7-45
Property: Jamieson's Quarry - 37120 Keeping Road (Abbotsford)

Pursuant to Section 10 (7) of the *Mines Act*, the Chief Inspector of Mines hereby amends Condition 1(a) as follows:

The owner, agent or manager (herein called the Permittee) shall maintain with the **City of Abbotsford** security in the amount of **Twenty-Five Thousand dollars (\$25,000.00)**. The security will be held by the City of Abbotsford for the proper performance of the approved program and all the conditions of this permit in a manner satisfactory to the Chief Inspector.

Please attach this letter to your permit, as it becomes an integral part of it.

Sincerely,

F. W. Hermann, P. Eng.
Chief Inspector of Mines

Enclosure

p.c. John Errington, Manager, Reclamation and Permitting

THE GOVERNMENT OF BRITISH COLUMBIA IS AN "EMPLOYMENT EQUITY EMPLOYER"



REC'D AUG 17 2001

August 7, 2001

File No.: 14675-30\ML-QU-JAMI
Permit No.: Q-7-45

Jamieson Quarries Ltd.
820 1180 West Georgia Street
Vancouver, British Columbia
V6E 4A2

Attention: J. Derek Holmes

Dear Sir:

Re: Application for *Mines Act* Approval
Property: Jamieson's Quarry - 37120 Keeping Road (Abbotsford)

Enclosed please find your ***Mines Act* Permit**. Your attention is drawn to the conditions, which are an integral part of your permit.

Health and safety inspections fall under the jurisdiction of the Mines Branch of the Ministry of Energy and Mines. A fee for this service is collected through the **Mine Health and Safety Inspection Fee**. The fee structure is based on annual production in metric tonnes for the period of January 1st through to December 31st. You will receive remittance forms and a payment schedule in December of each year with payment due by January 31st of the new year. For further information contact this office or the Ministry of Energy and Mines, Resource Revenue Branch in Victoria at (250) 952-0192.

Please complete the enclosed **Notice of Completion** form and return it to this office at the end of your work program.

Yours truly,

Alf Randall, P.Eng.,
District Manager/Engineer

Enclosures

p.c. John Errington, Manager, Reclamation and Permitting

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Ministry of
Energy and Mines

Mines Branch
Energy and Minerals Division

Mailing Address:
2080 B Labieux Road
Nanaimo BC V9T 6J9

Telephone: (250) 751-7240
or (604) 660-9363
Facsimile: (250) 751-7373

City of Abbotsford

CONSOLIDATED SOIL REMOVAL AND DEPOSIT BY-LAW

By-law No. 2266-1991

SCHEDULE "B-1"

TYPE "A" - ANNUAL RENEWABLE

SOIL REMOVAL/DEPOSIT PERMIT NO. 01-848

Permission is hereby granted to:

JAMIESON QUARRIES LTD.

(name)

820 - 1188 West Georgia Street, Vancouver, B.C. V6E 4A2

(address)

(604)684-5830

(phone number)

to remove/deposit soil or other material from/upon the lands described as:37120 Keeping Road

(address)

Lot S1/2 ~~Plan~~ SE ¼ Sec 32 Twp 19 NWD (PID: 000 070 107)

(legal of property)

in accordance with the provisions of Soil Removal and Deposit By-law No.2266-1991, Application No.01-848 submitted by the applicant and the plans, specifications, and other supporting data filed therewith, copies of which are attached hereto and form part of this permit, and following additional terms and conditions:

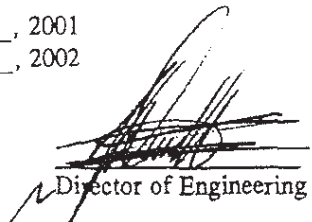
1. Plans as per application for soil removal permit for 37120 Keeping Road, Abbotsford dated February 12, 2001; plus additional sections dated April, 2001.
2. Conditions as per City of Abbotsford letter dated April 27, 2001.

Received Letter of Credit from: Royal BankNo. s.21

in the amount of \$30,000 as security for the full and proper performance of the soil deposit operation in compliance with Soil Removal and Deposit By-law No. 2266-1991 and all other terms and conditions of this permit.

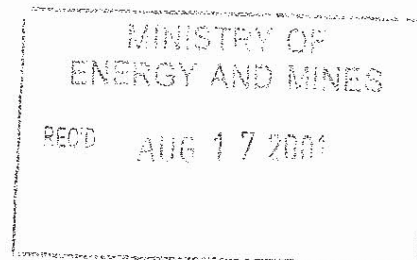
This permit is issued on the 30th day of May, 2001This permit shall expire on the 30th day of May, 2002

This permit shall not be transferred or assigned.


Director of Engineering

Pages 67 through 68 redacted for the following reasons:

s.21



August 7, 2001

File No.: 14675-30\ML-QU-QUAL

Quality Industrial Minerals & Supply Inc.
4550 East Hastings Street
Burnaby, British Columbia
V5C 2K4

Attention: Mr. Jack Lee

Dear Sir:

Re: Cancellation of *Mines Act* Permit No.: Q-7-45
Property: Jamieson's Quarry - 37120 Keeping Road (Abbotsford)

We have been advised by the City of Abbotsford that the security held under **Soil Removal/Deposit Permit No. 99-747** has been cancelled. Consequently, condition 1(a) of *Mines Act* Permit Q-7-45 is no longer being fulfilled, therefore your permit is now closed.

Sincerely,



F. W. Hermann, P. Eng.
Chief Inspector of Mines

✓ p.c. John Errington, Manager, Reclamation and Permitting

• THE GOVERNMENT OF BRITISH COLUMBIA IS AN "EMPLOYMENT EQUITY EMPLOYER" •

Ministry of
Energy and Mines

Mines Branch
Energy and Minerals Division

Mailing Address:
2080a Labieux Road
Nanaimo BC V9T 6J9

Telephone: (250) 751-7240
or (604) 660-9363
Facsimile: (250) 751-7373

To: TVT

6 pages.

CH.

The information on this form and any supporting documents are subject to the *Freedom of Information and Protection of Privacy Act*. The information collected on this form is collected and used for the purpose of administering the *Mines Act & Health, Safety and Reclamation Code for Mines Act of British Columbia* also authorises the collection of the requested information on this form. The completed form Questions about how the *Freedom of Information and Protection of Privacy Act* applies to the information collected on this form. Branch at 250-952-0462; fax 250-952-0491 or write to: PO Box 9320 Stn Prov. Gov't, Victoria, British Columbia, V8W 9N3.

Application is for: ☐ Sand and Gravel Mine ☒ Rock Quarry
 This application is for (check one): ☐ Development requiring a permit ☐ Amendment to existing permit ☒ Renewal/update of existing 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 _____
 Company (if applicable) Jamieson Quarries Ltd.
 Address 820-1180 W. Georgia St.
 City Vancouver Bus. Phone (604) 684-5830
 Province B.C. Postal Code V6E 4A2 Fax (604) 684-5920

LOCATION INFORMATION - Maps are mandatory under Schedule A
 Name of Mine (What will the operation be called when in production?): Jamieson Quarries Ltd.
 Legal Description of Property: S 1/2 of SE 1/4 SEC. 32, TWP 19, NWD

Street Address of Property, if applicable: 37120 Keeping Road.

Access route from nearest town to property: N. Parallel Rd. east from Whatcom Rd. N. onto Sumas Mtn. Rd. then east on Keeping Rd.
 B.C. Geographic System Map Sheet Number(s) [i.e. TRIM 093L 006] 926.009
 Northing: _____ Easting: _____ UTM Zone: _____
 or NTS Map Sheet Number(s) [i.e. NTS 093L/14E]: 0926/01E
 Latitude: 49° 05' 1" Longitude: 122° 12' 1"

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 Jamieson's Saddlery and Feed Supplies Ltd.
 Address 37120 Keeping Road
 City Abbotsford Bus. Phone () _____
 Province B.C. Postal Code V3E 2H9 Fax () _____
 Signature of owner agreeing to the mining operation proposed in this application (or attach letter of authorization signed by owner):
 Name: GAROLD PRINCE OVERSEEN BY FRANK J. JAMIESON Date: ATTACHED

b) Proposed mine is on Crown land: CRITERION TO BE SET BY MINING
 Assets and Lands Corporation (BCAL) file reference number: _____
 License of Occupation/Lease number: _____ Expiry date of Licence/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 and/or ☒ Operator/Agent
 The mine manager (*Mines Act* Sections 21 and 22) responsible for management and operation of the mine will be:
 Name: J. Derek Holmes Bus. Phone: 604 308-2960

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. The Mines Branch will not compensate for aggregate resources lost through discovery of cultural heritage 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 Mines Branch.

2) Soil Conservation

Average depth of overburden (material, including topsoil, overlying sand, gravel and/or rock): _____ cm, or 1 m

Average depth of topsoil (Surface to maximum rooting depth of plants, plus 15 cm.): 75 cm, or _____ m

Measures to stabilize soil/overburden stockpiles and control noxious weeds: _____

Planted berm.

Topsoil must be conserved for reclamation of the mine site.

Removal of topsoil from the site requires written approval of the District 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 Licence?

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

Name of TFL holder: _____

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 Issued (attached)

Official Community Plan designation for the site is: _____

Current land use zoning for the site is: Residential (R1)

Proposed end land use is: Residential (R1)

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 10.6.4 of the Health Safety and Reclamation Code for Mines in British Columbia (hereafter referred to as the Code): _____

- Topsoil stockpiled on site will be spread out evenly over benches as a result of Quarrying.

- Maintain approach slope in rock.

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: _____

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

Unless otherwise required by the District 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): 2001/07

Proposed finish date (y/m/d): 2050/07

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: 52,000,000 tonnes, or _____ m³

Estimated annual extraction from site: 225,000 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): _____

- Crushing and stockpiling material.
Weekdays 7am - 7pm.
Weekend 7am - 5pm Sunday Closed.

- Haul Trucks.
Weekdays 7am - 9pm.

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

Type of Machine	Make/Model	Size/Capacity	# on Site
Wheel Loader	CAT 988	6 yd.	2
Excavator	CAT 90,000 lb	2 yd.	1
Scale		80 ft	1
Jaw Crusher	Lippman El Capitan	30" x 42"	1
Screen			1
Closed Circuit Crusher		200 tph	1

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.) 20,000 m², or _____ 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) 65,000 m², or _____ hectares

Total Disturbed Area (Existing + Proposed Disturbance) 85,000 m², or _____ 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 _____ hectares

Estimated Reclamation Security required:

Applicant

\$ none - private

Mines Branch

\$ _____

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? 6 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) _____

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.):

Fuel stored above spill trap
- Excavations maintained at suitable buffer
above water table

Note that excavations below the groundwater table may require special approval from the District 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: 200 m, or _____ km

Shortest distance between proposed excavation to nearest residential water source: 200 m, or _____ km

Describe measures proposed to prevent inadvertent access of unauthorized persons on the mine site (i.e. fencing, vegetative barriers, berms, etc.):

- Vegetative barriers around property boundary.
- Gated entrances marked with signage.

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:

Restricted hours of
crushing. Noise barrier maintained around
crusher.

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:

Water spray bar
fitted to crusher and screener.

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

☐ No

☒ Yes - Please describe:

Vegetative barrier around
property. Site not visible from public road.

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:

Telephone / Cellular Phone

Location of nearest hospital:

MSA McCallum Road

Travel time to hospital:

13 min.

Estimated number of employees on site (includes contractors):

4

Describe First Aid Level and supplies

Level 1 kit in dedicated trailer

I, J. Derek Holmes 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

[Signature]

Date

July 4, 2001

Schedule B
Washing of Aggregate on Site/ Sediment Control Structures

Mark the location(s) of all proposed settling ponds and/ or sediment control structures on the appropriate map(s) under Schedule A

Describe the source of water supply: Ground water seepage / Surface.

Estimate volume of water to be used: _____ (cu. ft./sec), or _____ (liters/sec)

Complete the following table for existing and proposed settling ponds:

Pond #	Water Source (i.e. surface run off, wash plant, etc)	Width (m)	Length (m)	Depth (m)	Construction Method (excavated, dyked, etc.)
1	Surface / Seepage	3	15	2	excavated / dyked
2	#1 Pond	2	10	1	"
3	#2 Pond.	2	10	1	"

Water from ponds will (check one): ☐ be recycled ☒ exfiltrate to ground ☐ discharge to environment

If discharged to the environment, a *Waste Management Act* permit is required.

Where there is a discharge to the environment:

- provide a cross section illustrating the sediment control structure(s), decant structure(s), and point of discharge to environment
- describe the type of sediment control structure(s): _____
- describe the type and construction of the decant structure: _____
- describe area into which water is discharged: _____

For all settling ponds describe:

- Spillway design: Rock filtered spillway.
- Clean out method: Excavated.
- Disposal of fines from clean out (i.e. use as a subsoil material): Use as subsoil material.

Describe proposed reclamation activities and timing of reclamation work:

- Spread topsoil as described earlier at completion of Quarry.

Applicant Signature: _____

Date: July 4, 2001

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 200 m, or _____ km

Shortest distance between blasting operations to nearest water well 200 m, or _____ 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: Sand's Explosive (Western Explosives)

Blaster's Certificate # Brian Kirkness

Blaster must hold a valid B.C. 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 Mines Branch 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: _____

- detonation method: _____

- type of explosives magazine: _____

- blasting procedure (public notification, on site safeguards, timing, etc.): _____

Ensure area is clear and block all entrances

1.) 12 short whistle bursts at one (1) second intervals

2.) Wait 2 minutes

3.) Blast

4.) Once blaster has given all clear sound one (1) 12 second whistle

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

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

Applicant Signature: [Signature]

Date: July 4, 2001

JAMIESON'S SADDLERY & FEED SUPPLIES LTD.

**37120 Keeping Road RR4,
Abbotsford B.C. V3G 2H9**

February 2, 2001

CITY OF ABBOTSFORD
32315 South Fraser Way
Abbotsford, B.C. V2T 1W7

Attention: Mayor and Members of Council

Your Worship and Members of Council:

Re: Application for Soil Removal Permit -- Keeping Road Aggregate Pit

37120 Keeping Road RR4, Abbotsford B.C. V3G 2H9

being Parcel Identifier No.: 000-970-107

**THE SOUTH HALF OF THE SOUTH EAST QUARTER OF SECTION 32
TOWNSHIP 19 NEW WESTMINSTER DISTRICT**

(the "Property")

This is to confirm that:

1. **JAMIESON'S SADDLERY & FEED SUPPLIES LTD.** is the registered owner of the Property;
2. **JAMIESON'S SADDLERY & FEED SUPPLIES LTD.** has granted to Jamieson Quarries Ltd. a licence to remove stone and gravel from the Property;
3. the undersigned hereby authorize **JAMIESON QUARRIES LTD.** to apply for and obtain on behalf of **JAMIESON'S SADDLERY & FEED SUPPLIES LTD. and JAMIESON QUARRIES LTD.** a Soil Removal Permit for the extraction of soils from and the depositing of soils onto the Property, to submit such application(s), make such representations and do such further and other steps and actions as are required to obtain a Soil Removal Permit.

Yours truly,

JAMIESON'S SADDLERY & FEED SUPPLIES LTD.

per:


CAROLE FRANCES DICKISON


FRANCES JAMIESON

O. Barry Holmes

April 20, 2001

To Whom it May Concern;

RE: Jamieson's Saddlery & Feed Supplies Ltd., 37120 Keeping Rd., Abbotsford

I confirm that I am the solicitor for Jamieson's Saddlery & Feed Supplies Ltd, and its owners, s.22

s.22 The owners have had an agreement with Quality Industrial Minerals & Supplies Inc. which expires on April 20th, 2001. The owners no longer will allow any unauthorized entry to their lands by s.22 his company or Agents or anyone not specifically authorized by the owners and consider such persons to be trespassing.

Thank you.

Yours truly,

Barry Holmes

encl

P.O. Box 2093, Abbotsford, B.C. V2T 3X3 Phone (604) 807-1350 Fax (604) 684-5920

AUG 3 '01 15:30

6046845920 PAGE 005
NRO-2011-00033



CITY OF
Abbotsford

ENGINEERING DEPARTMENT

April 27, 2001

File: 4520-40/SRP#848

cc: 4520-40/SRP#747

Jamieson's Saddlery & Feed Supplies Ltd.
Jamieson Quarries Ltd.
PO Box 2093
Abbotsford, B.C.
V2T 3X8

Attention: Barry Holmes

Dear Sirs:

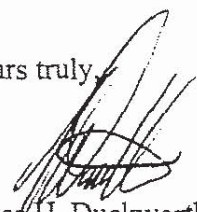
Re: Application for Change of Soil Removal Permit at 37120 Keeping Road

Your application to change the permit for the noted property from Quality Industrial Mineral and Supply Inc. to Jamieson's Saddlery & Feed Supplies Ltd. and Jamieson Quarries Ltd. has been reviewed and a permit can be issued subject to the following:

1. The project will proceed on an interim basis continuing extraction in the existing workings and proceeding directly east to a daylight elevation of approximately 230 metres;
2. Pave the driveway from the existing scale house to Keeping Road, prior to quarry start up;
3. Reconstruct Keeping Road to a rural standard within the existing road allowance from Sumas Mountain Road easterly to the driveway, prior to quarry start up;
4. Provide a \$30,000 Letter of Credit for reclamation of the interim Phase 1 area.
5. Upgrade the existing silt ponds to meet the drainage needs of the rearranged site area.

Upon commitment in writing to the conditions noted and provision of the Letter of Credit in item 4, a permit will be issued. Please clarify whose name should appear on the permit. If you have any questions, please call me at 864-5514.

Yours truly,


James H. Duckworth, P. Eng.
Manager, Engineering Services

JHD/mcf

City of Abbotsford

CONSOLIDATED SOIL REMOVAL AND DEPOSIT BY-LAW

By-law No. 2266-1991

SCHEDULE "B-1"

TYPE "A" - ANNUAL RENEWABLE

SOIL REMOVAL/DEPOSIT PERMIT NO. 01-848

Permission is hereby granted to:

JAMIESON QUARRIES LTD.

(name)

820 - 1188 West Georgia Street, Vancouver, B.C. V6E 4A2

(604)684-5830

(address)

(phone number)

to remove/deposit soil or other material from/upon the lands described as:

37120 Keeping Road

(address)

Lot S1/2 ~~Plan~~ SE ¼ Sec 32 Twp 19 NWD (PID: 000 070 107)

(legal of property)

in accordance with the provisions of Soil Removal and Deposit By-law No.2266-1991, Application No.01-848 submitted by the applicant and the plans, specifications, and other supporting data filed therewith, copies of which are attached hereto and form part of this permit, and following additional terms and conditions:

1. Plans as per application for soil removal permit for 37120 Keeping Road, Abbotsford dated February 12, 2001; plus additional sections dated April, 2001.
2. Conditions as per City of Abbotsford letter dated April 27, 2001.

Received Letter of Credit from: Royal Bank

No. s.21

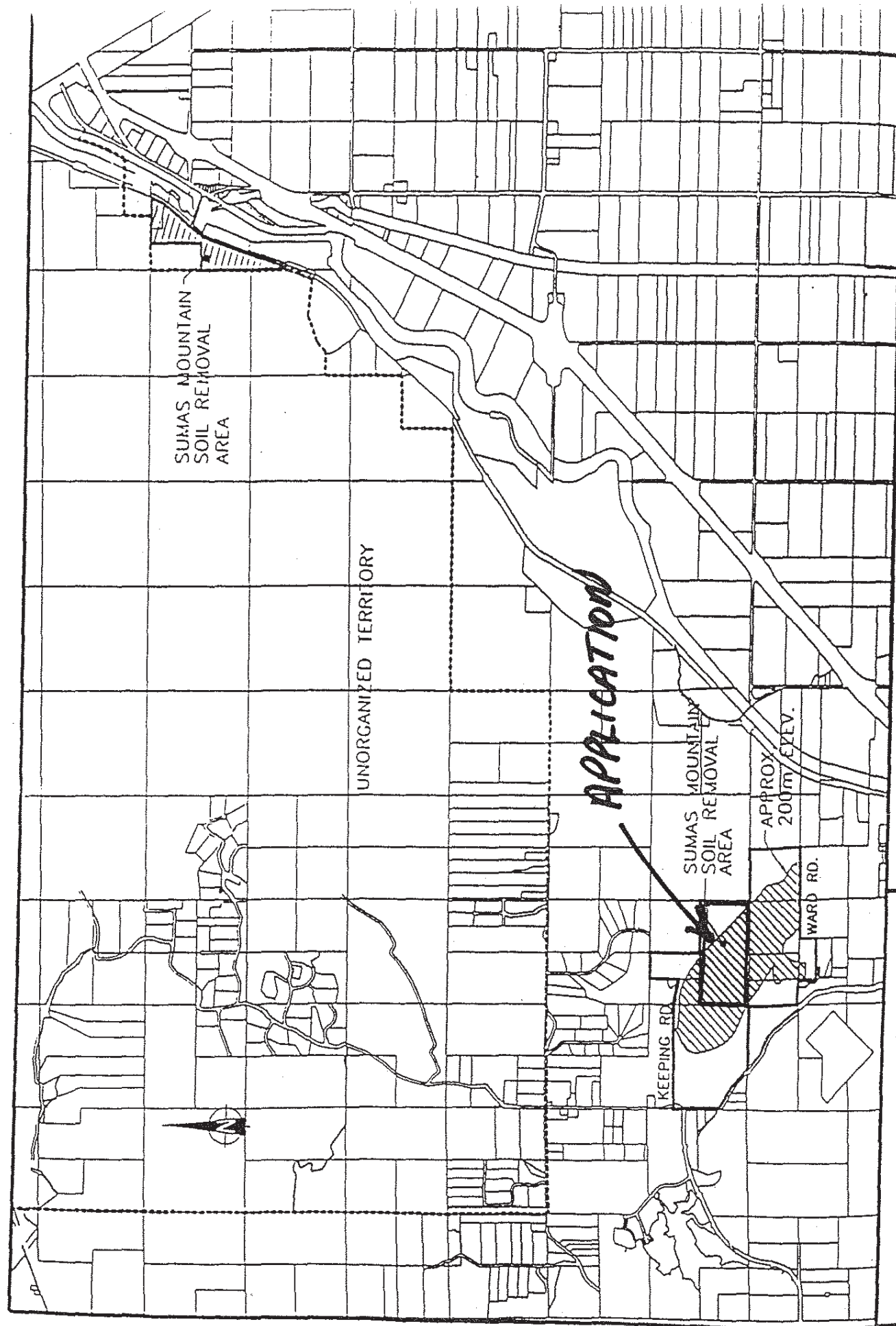
in the amount of \$30,000 as security for the full and proper performance of the soil deposit operation in compliance with Soil Removal and Deposit By-law No. 2266-1991 and all other terms and conditions of this permit.

This permit is issued on the 30th day of May, 2001

This permit shall expire on the 30th day of May, 2002

This permit shall not be transferred or assigned.


Director of Engineering



City of Abbotsford

SCHEDULE 'D'
SUMAS MO TAIN SOIL REMOVAL AREA

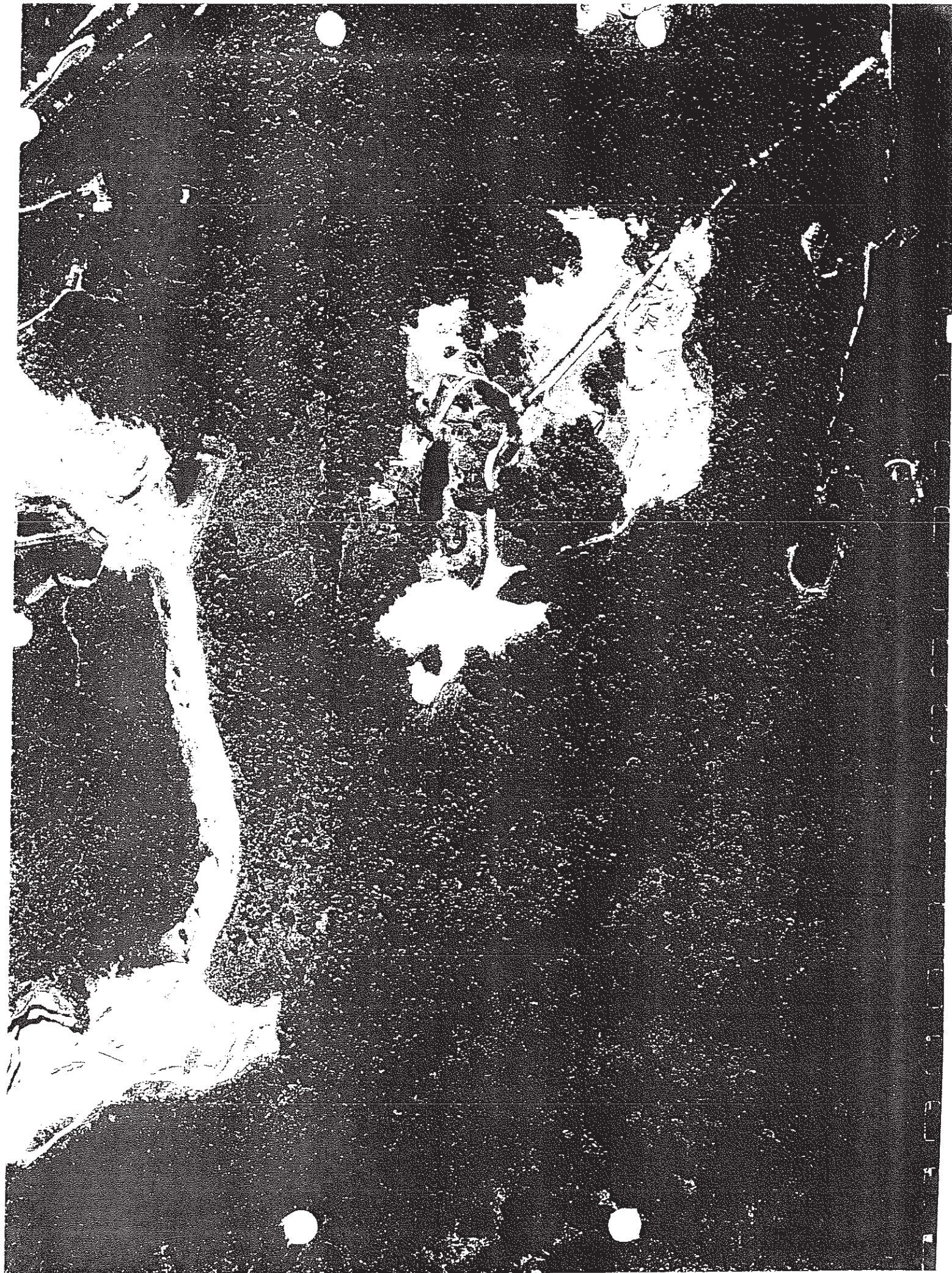
SCALE: NTS

DRAWN: 98 11 17

Page 80

REVISED: 2000 Q2 R3 2011-00033

M-19

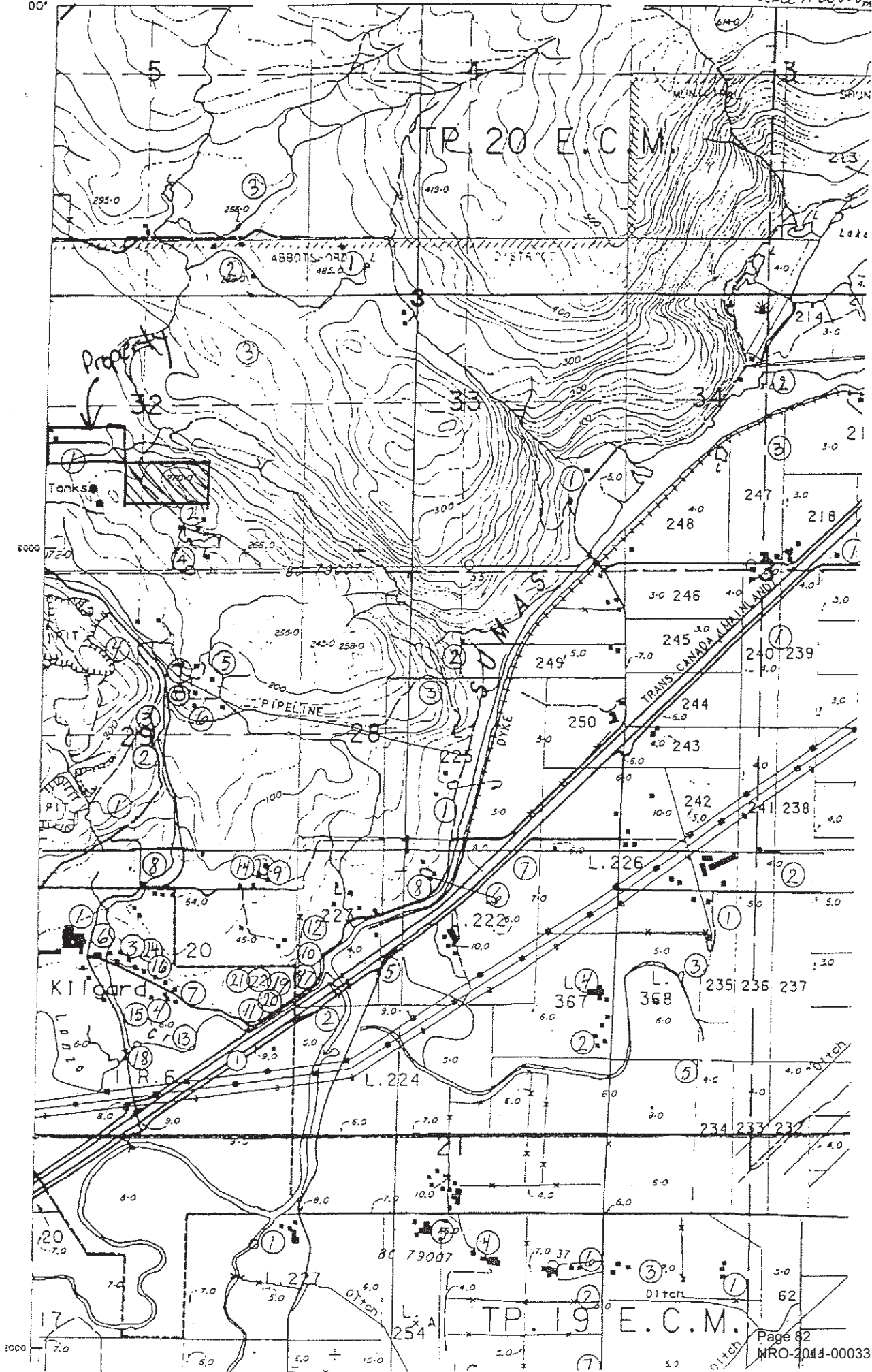


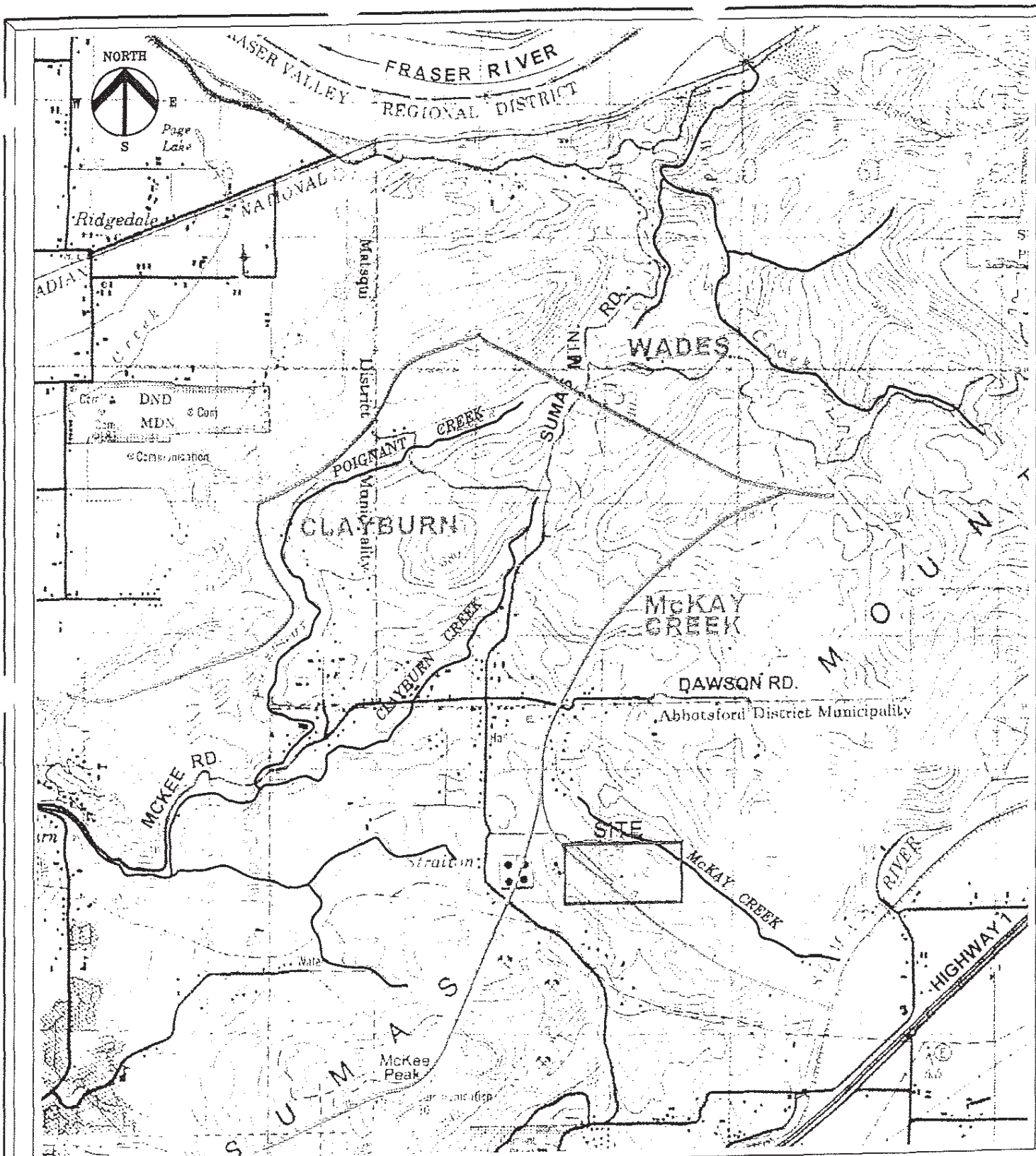
22° 12' 00"
00'

560000

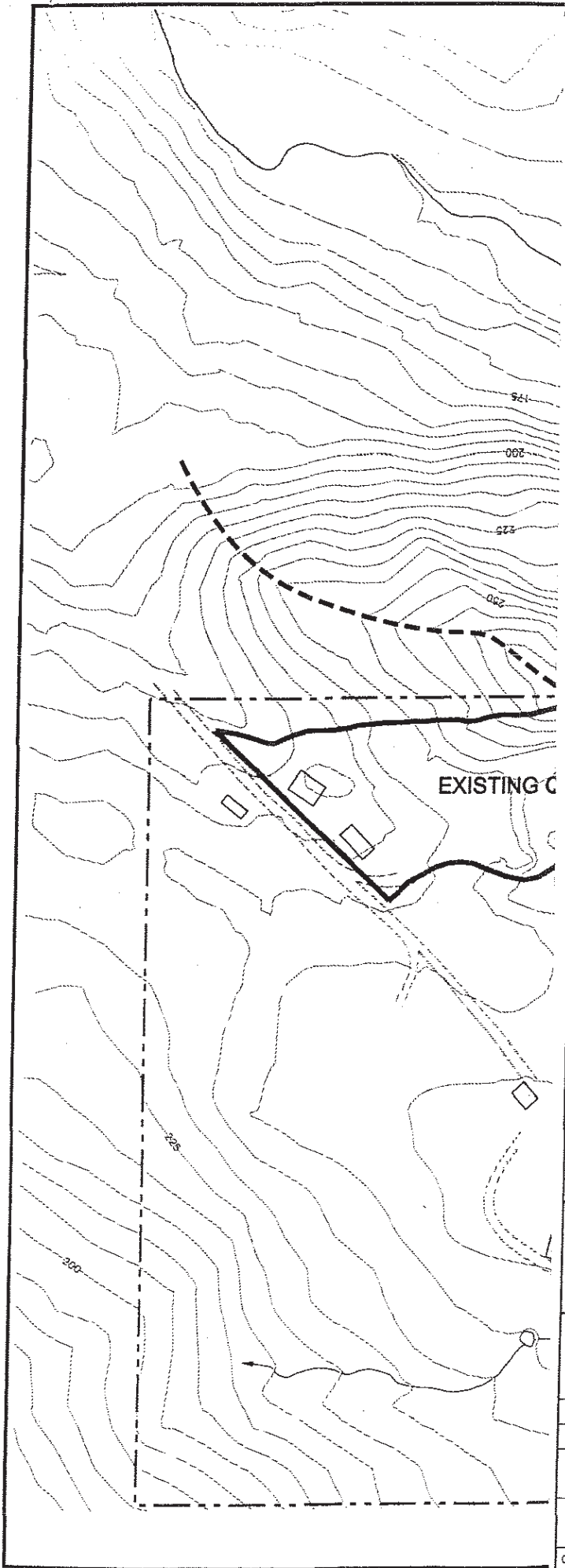
Local Features map: 010

Scale 1:20,000





LEGEND		REVISIONS		M92274 ENVIRONMENTAL CONSULTANTS INC.	
	CREEK			SCALE: 1:40,000	APPROVED BY: _____
	CATCHMENT BOUNDARY			DATE: 2001-02-01	CLIENT: _____
	MAIN ACCESS ROAD				DRAWN BY: DRT
	SITE LOCATION				CHECKED: DEK
				CLIENT NAME: JAMESON QUARRIES	PROJECT LOCATION: KEEPING ROAD ABBOTSFORD, BC
				KEY PLAN	
0	01 02 02	ISSUED TO CLIENT	DRT	CHK	
REV.	DATE	DESCRIPTION	BY	CHK	
		CADFILE: V0948001		PLOTTED: 19991005.1658	DWG No: V0-948-001
				REV: 0	



LEGEND

- PROPERTY BOUNDARY
- BUILDING
- ROAD -- GRAVEL
- GROUND SURFACE CONTOURS (CONTOUR INTERVAL 5 m)
- ← SEEPAGE
- EXISTING QUARRY OUTLINE
- - - PROPOSED QUARRY OUTLINE
- Well

NOTES

REVISIONS

REV.	DATE	DESCRIPTION	BY	CHK
0	01-02-02	ISSUED TO CLIENT	DRT	DEK



MORROW
ENVIRONMENTAL
CONSULTANTS INC.

SCALE: 1:3000	APPROVED BY	DRAWN BY: DRT
DATE: 2001-02-02	MECI: CLIENT:	CHECKED: DEK
CLIENT NAME: JAMIESON QUARRIES	PROJECT LOCATION: KEEPING ROAD ABBOTSFORD, BC	

SITE PLAN

CADFILE: V0948R00	PLOTTED: 20010118.1555	DWG No: V0-948-003	REV.: 0
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NRO-2011-00033



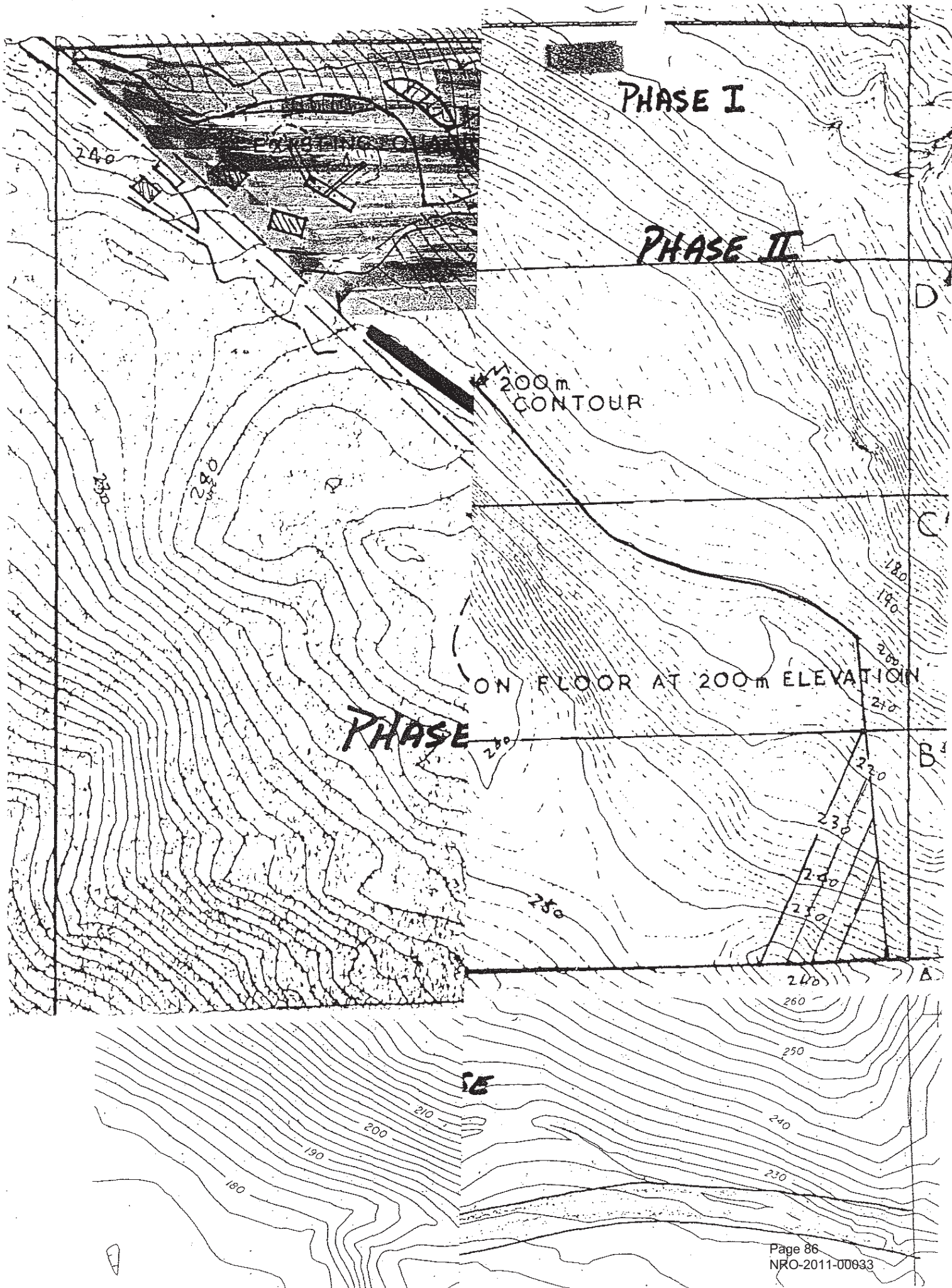
LEGEND

- PROPERTY BOUNDARY
- BUILDING
- ROAD -- GRAVEL
- GROUND SURFACE CONTOURS (CONTOUR INTERVAL 5)
- ~ SEEPAGE
- EXISTING QUARRY OUTLINE
- PROPOSED QUARRY OUTLINE



V0220W
ENVIRONMENTAL
CONSULTANTS INC.

1:2500	APPROVED BY	DRAWN BY: DRT	
001-02-02	MECH:	CLIENT:	CHECKED: DEK
NAME: SON QUARRIES		PROJECT LOCATION: KEEPING ROAD ABBOTSFORD, BC	
AIR PHOTO			
V0948R00	PLOTTED: 20010202.1509	DWG No: V0-948-002	REV: 0





SURVEY PLAN
DISTRICT LOT 9
MINERAL CLAIM,
NEW WESTMINSTER

SE 1/4
SEC 32

B.C.G.S. 92G.009

NEW WESTMINSTER M

- 1 (Rec.No.316830)
- 1 (Rec.No.324529)
- 2 (Rec.No.324530)
- 2 (Rec.No.316831)

6
PLAN 28342
(POSTING PLAN LMP 39006)

SEC 32

SCALE: 1:2500



(ALL DIMENSIONS ARE IN METRE)

259'27"
387'147"
LEE MINERAL CLAIM

EEL #2

C. No. 324530
April 7, 1994

LEGEND :

Bearings are astronomic, derived
GPS observations referred to the
meridian through the S.W. Corn

All distances are in metres and
thereof unless otherwise indicated

SYMBOLS		DESCRIPTION
FOUND	PLACED	
⊙		STANDARD C
⊗	⊗	STANDARD C
●	○	STANDARD IR
◆		ALUMINUM PI
⬢		LEGAL CORNER (MINERAL TEP)

LC1 (LC1 #10)

90°00'00"
1021.262

T O W

LC1 #10

REC. No. 236434
Loc. Feb. 28, 1991
S3 E3

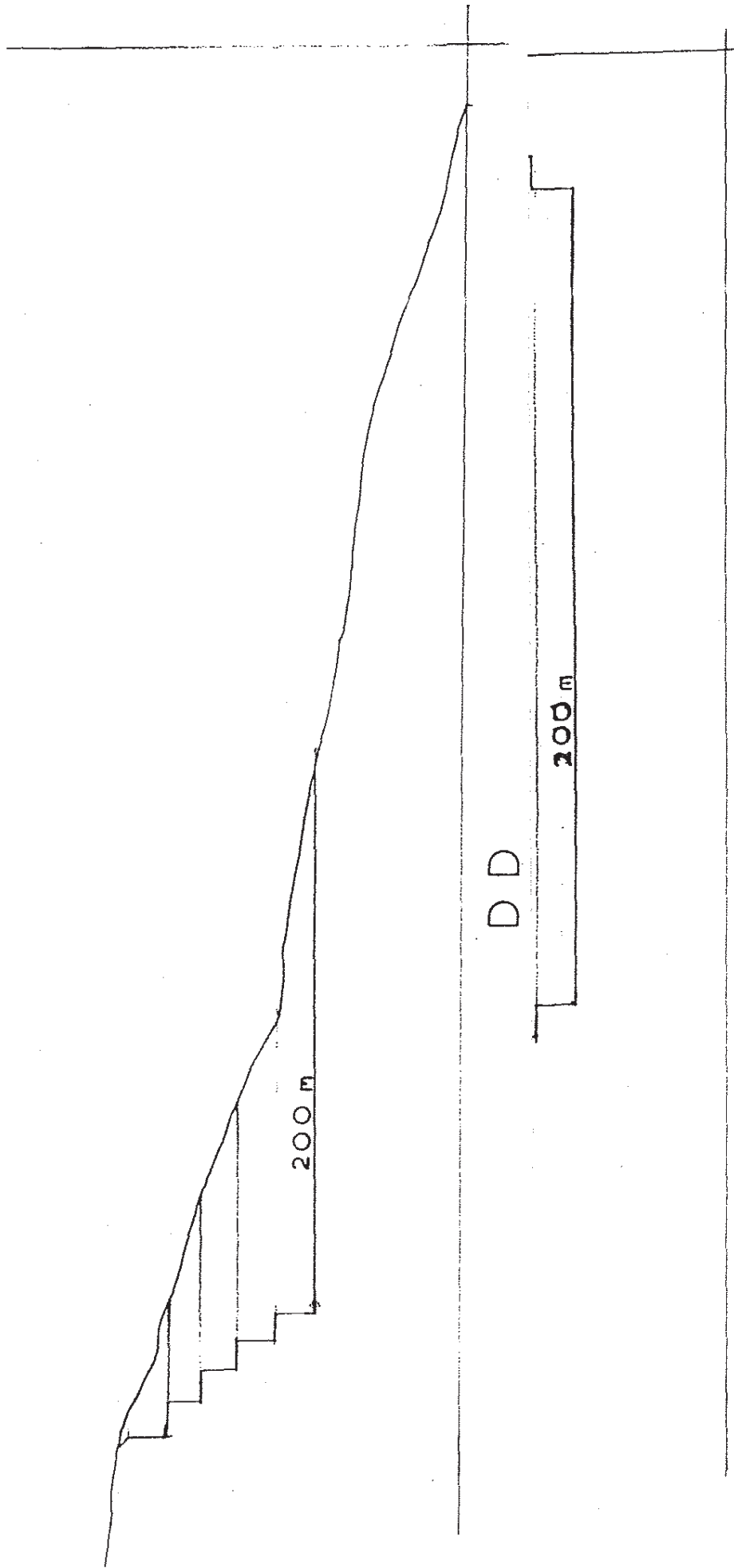
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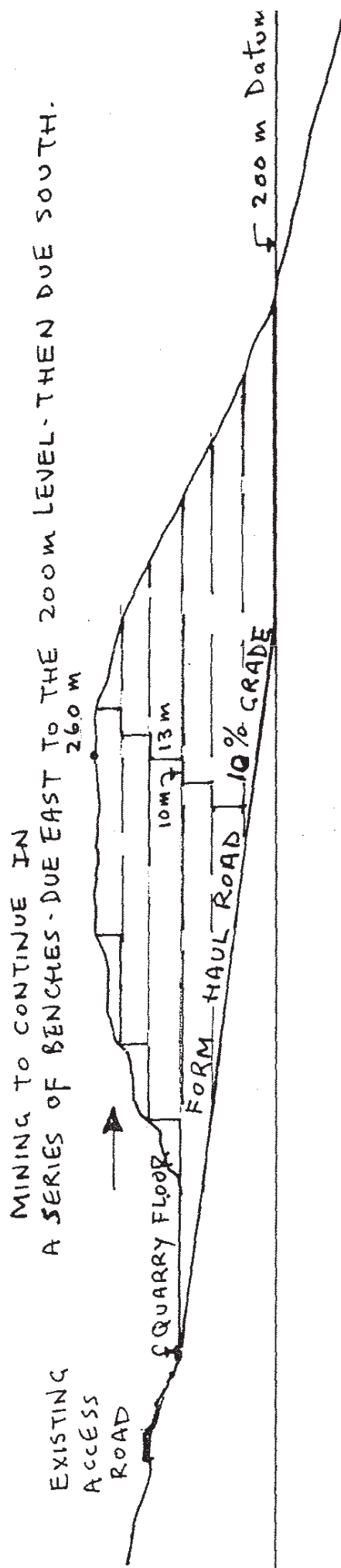
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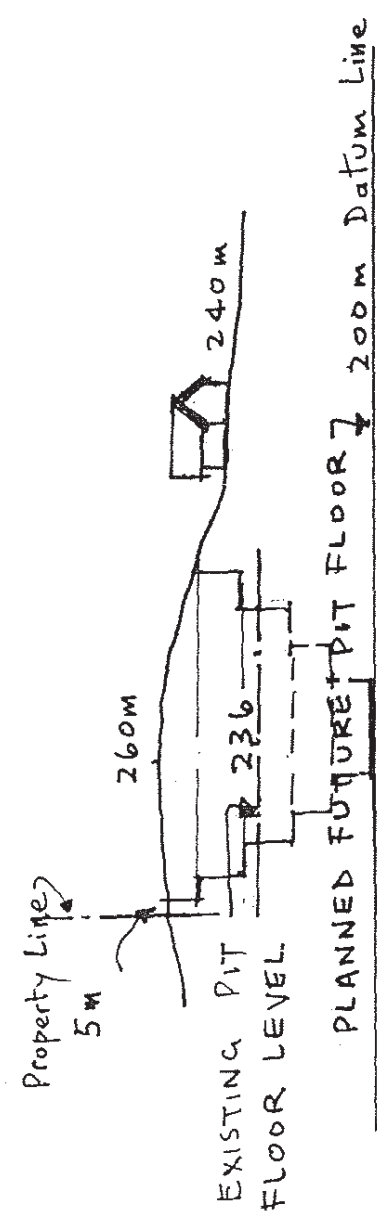


CROSS SECTIONS

Scale: 1/2000



SECTION E-E



SECTION F-F

SCALE: 1/2000



The Best Place on Earth

July 16, 2010

File: 14674-20-0700473

Ted Carlson
President
Jamieson Quarries Ltd.
9512 194A Street
Surrey BC V4N 4G5

Dear Mr Carlson:

Re: Amended Mines Act Permit Q-7-45, Keeping Road (37120)
Approval # 10-0700473-0714

This letter authorizes amendments to Mines Act permit Q-7-45, as detailed in the Notice of Work and Reclamation Program dated Thursday, July 30, 2009. The Notice of Work and Reclamation Program form part of your permit, and you are reminded that you may not depart from the permitted program without written authorization. Unless modified by this amendment all conditions of permit Q-7-45 remain in force.

1. The Mine Manager, or in their absence a Designate, shall allow Employees of other Provincial Ministries holding authorizations related to Compliance and Enforcement duties onto the mine site subject to the following conditions:
 - a. the Provincial Employee must present the appropriate Ministry identification; and
 - b. must clearly state that they are acting on behalf of an Inspector of Mines;
 - c. they must be given a site orientation as required by the Health & Safety, and Reclamation Code;
 - d. they must sign-in and sign-out as acknowledgement of being on site;
 - e. they must be accompanied at all times by the Mine Manager, or qualified person appointed by the Manager, and shall take all necessary measures to ensure the safety and well being of the individual(s); and,
 - f. this condition is not applicable to other Provincial Legislation.
2. In the event that an archaeological site is encountered during the course of the approved mining activities, the program shall be suspended or modified in such a manner so as to ensure that the site is not damaged, desecrated or otherwise altered and the occurrence shall be reported immediately to the Archaeological Branch of the Ministry of Tourism,

such. Safe Work Procedures are subject to review by the Occupational Health and Safety Committee and approval by the Mine Manager and are subject to: the discretion of the Inspector, review, and if necessary directives by the inspector to address concerns.

Please ensure that you and all persons who are carrying out activities in accordance with this permit comply with all terms and conditions of the permit and are familiar with the permitted work program.

This permit applies only to the requirements under the *Mines Act* and Health, Safety and Reclamation Code for Mines in British Columbia (Code). Other legislation may be applicable to the operation and you (the Permittee) may be required to obtain approvals or permits under that legislation.

The amount of your security deposit may be adjusted on the basis of reclamation performance, field inspections by this ministry, and on reports which may be requested.

Also enclosed is copy of the Irrevocable Standby letter of Credit dated, June 7, 2010 covering securities in the amount of fourteen thousand dollars (\$14,000.00). The total amount of securities for permit Q-7-45 is \$14,000.00.

The amount of your security deposit may be adjusted on the basis of reclamation performance, field inspections by this Ministry, and on reports which may be requested.

Please provide me with written notice at least 7 days prior to ceasing work on the program. When activity on the site is finished and reclamation completed, please forward to this office a request for cancellation of permit and return of security.

Sincerely,



Ed Taje
Senior Inspector of Mines, for
Al Hoffman, P.Eng.
Chief Inspector of Mines

Encl.: Permit/NOW

Cc: Reclamation Section, Victoria
HSBC Bank Canada



Ministry of Energy, Mines and
Petroleum Resources

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

The information on this form and any supporting documents are subject to the *Freedom of Information and Protection of Privacy Act*. The information requested on this form is collected and used for the purpose of administering the *Mines Act* of British Columbia and the *Health, Safety and Reclamation Code for Mines in British Columbia*. The *Mines Act* authorizes the collection of the requested information on this form. The completed form is routinely available to the public. Questions about how the *Freedom of Information and Protection of Privacy Act* applies to the information collected on this form can be directed to the Office of the Information and Privacy Commissioner, phone: (250) 387-5629; fax: (250) 387-1696; mailing address: PO Box 9038 Stn. Prov. Govt. Victoria, British Columbia, V8W 9A4.

RECEIVED

Application is for: ☐ Sand and Gravel Mine ☒ Rock Quarry

SEP 10 2009

This application is for (check one):

☐ Development ☒ Amendment to existing permit Permit # Q-7-45

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 Ted Carlson (c/o Brian Weeks, P. Eng.) E-mail Address: bweeks@mainlandsg.com

Company (if applicable) Mainland Sand & Gravel Ltd.

Address 9512 - 194 A Street

City Surrey

Bus. Phone (604) 826-4611

Province BC

Postal Code V4N 4G5

Fax (604) 826-1183

LOCATION INFORMATION - Maps are mandatory under Schedule A

Name of Mine (What will the operation be called when in production?): Jamieson Quarries Ltd.

Legal Description of Property: (a) Lot 2 Section 32, Twn 19 Plan 64443

(b) Lot 3 Section 32, Twn 19 Plan 64444

Street Address of Property, if applicable: 37226 Keeping Road and 37276 Keeping Road, Abbotsford BC, V3G 2H9

Access route from nearest town to property: Keeping Road

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

Northing:

Easting:

UTM Zone:

or NTS Map Sheet Number(s) [i.e. NTS 093L/14E]: 92 G/1

Latitude: 49 ° / 04 ' / 40 "

Longitude: 122 ° / 10 ' / 15 "

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 s.22

(b) 0760780 BC Ltd.

Address

(b) 37276 Keeping Road

City s.22

Phone (a) s.22

Province

Postal Code

s.22

Phone (b)

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

Name: See attached letters

Date:

b) Proposed mine is on Crown land:

Assets and Lands Corporation (BCAL) file reference number:

License of Occupation/Lease number:

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: Ted Carlson

Bus. Phone: (604) 644-0002

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): 2009/09/15 Proposed finish date (y/m/d): 2020/01/01

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: 2,800,000 tonnes, or _____ m³

Estimated annual extraction from site: 200,000 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):

- | | |
|--|--|
| <input type="checkbox"/> Excavation of Pit Run | <input type="checkbox"/> Washing - please complete Schedule B |
| <input checked="" type="checkbox"/> Crushing | <input checked="" type="checkbox"/> Blasting - please complete Schedule C |
| <input checked="" type="checkbox"/> Mechanical Screening | <input checked="" type="checkbox"/> Timber Clearing * - estimate volume of timber: <u>n/a</u> m ³ |

* 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): _____

See attached letter

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

Type of Machine	Make/Model	Size/Capacity	# on Site
Drill	Ingersol Rand DM-45	7" x 75'	1
Loader	CAT 988	6 cu. m	1
Excavator	CAT 345	2.5 cu. m	1
Trucks (stripping)	CAT 740	40 t	2

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 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 3.8 hectares

Total Disturbed Area (Existing + Proposed Disturbance) _____ m², or 3.8 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 3.8 hectares

Estimated Cost of Reclamation: Applicant \$ 15,000
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? 35 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) _____

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.): See attached letter

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: 7 m, or _____ km

Shortest distance between proposed excavation to nearest residential water source: 7 m, or _____ km

Describe measures proposed to prevent inadvertent access of unauthorized persons on the mine site (i.e. fencing, vegetative barriers, berms, etc.): Only road access will be through existing mine gate. North perimeter will be bermed using the stripped overburden/topsoil

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: Perimeter berms and crushing and screening will be done on adjacent mine property to south. All extraction operations performed only within hours of work set by Abbotsford noise bylaw.

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: Crushing and screening will be done on adjacent mine property to south.

Are measures proposed to minimize visual impacts of the proposed operation? (i.e. vegetative barriers, berms, green belts, etc.) ☐ No ☒ Yes - Please describe: Perimeter berms along north side

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: Equipment all has 2 way radio communication

Location of nearest hospital: Abbotsford

Travel time to hospital: 20 min Estimated number of employees on site (includes contractors): 2 or 3

Describe First Aid Level and supplies There will be no additional employees to the current mining operation. First Aid is currently in place and active at the adjacent mine. (Level 1 Attendant and Level 2 First Aid Kit)

I, Ted Carlson, 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: _____

Date: July 30 2009



Mainland Sand & Gravel Ltd.

9512 – 194A Street, Surrey, BC, V4N 4G5
Phone: 604-882-5650 Fax: 604-882-5660

July 30 2009

Ministry of Energy & Mines
P.O. Box 9320 Stn Prov Govt
Victoria, BC
V8W 9N3

MINISTRY OF ENERGY, MINES
AND PETROLEUM RESOURCES
SOUTHWEST REGION

REC'D SEP 02 2009

RECEIVED

SEP 10 2009

Attention: Mr. Ed Taje, Senior Inspector of Mines

INTEGRATED LAND MANAGEMENT BUREAU
Ministry of Agriculture and Lands
Log No.25151 NRO...

Dear Sir:

RE: Request for Mining Plan Revision – Jamieson Quarries Ltd. (Permit #Q-7-45)

Jamieson Quarries Ltd. (JQL) has been approached by the owners of the two properties immediately adjacent to the north boundary of the currently permitted quarry. We have now entered agreements with them, subject to permitting approval, to quarry their properties down to the 200 meter elevation approved by Abbotsford under its Soil Removal Bylaw #1228-2003.

Application Request

We hereby request that the portions of both properties above the 200 meter elevation which are contiguous to our existing permitted area be included within our approved mining area. See Figure 1. For the purpose of this application, the land from both properties above 200 meters elevation will be referred to as the "New Area". If approved, the New Area would add approximately 3.8 hectares to our existing 19.3 hectares.

Advantages of the Proposed Amendment

Allowing mining of the New Area under an extension to our current mining permit has benefits for many parties. Clearly it has financial benefits to the property owners, both in the royalties the extraction of the reserves will generate, as well as the levelling of portions of their properties for future subdivision development.

The requested amendment would also have benefits to Jamieson Quarries Ltd. in that it increases the reserves available and will also make available a flat area for stockpiles and truck turning. JQL has been hampered by the narrow confines of the initial mining plan. This additional area would quickly ease this problem and improve trucking safety on site.

In addition, the amendment would also have benefits to Abbotsford. By adding the New Area to the already permitted area, Abbotsford is able to complete the resource extraction to the northern limit of the area designated under their Soil Removal Bylaw. Because this mining would be done in conjunction

with an existing operation, approval would eliminate any concern about additional access to Keeping Road being required. This benefit would not be possible if the New Area were to be mined by another firm.

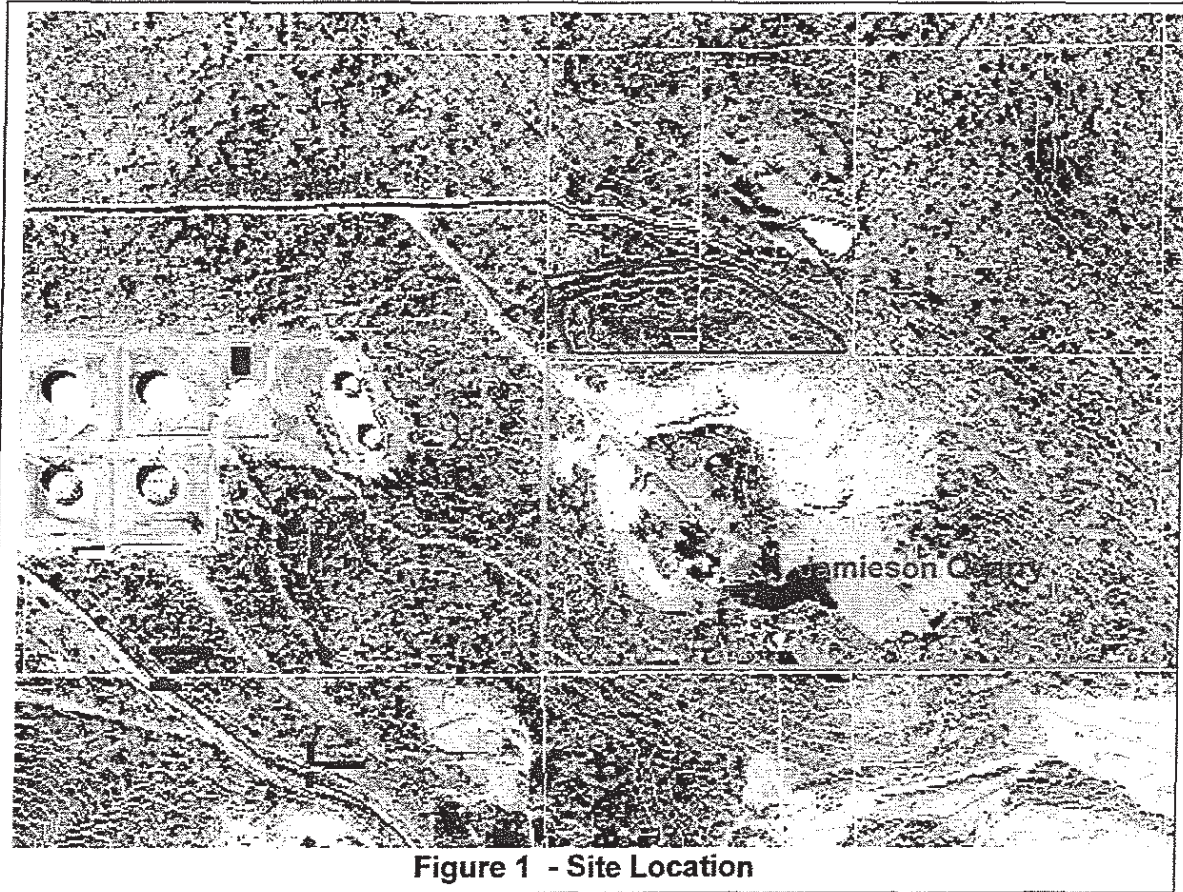


Figure 1 - Site Location

Access to the New Area

There will be no additional traffic exiting the site as a result of these new reserves becoming available. All traffic to and from the New Area will use new roads from the existing quarry and will not be able to access Keeping Road except by the current route.

Volume and Time Frame

We have calculated that the New Area contains approximately 2.8 million tonnes of reserves (down to the 200 meter elevation). As we plan to mine the New Area concurrently with the existing Jamieson Quarry reserves with the relative amounts from the three properties varying annually to suit operational efficiencies it is not possible to predict when mining will be completed on the New Area.

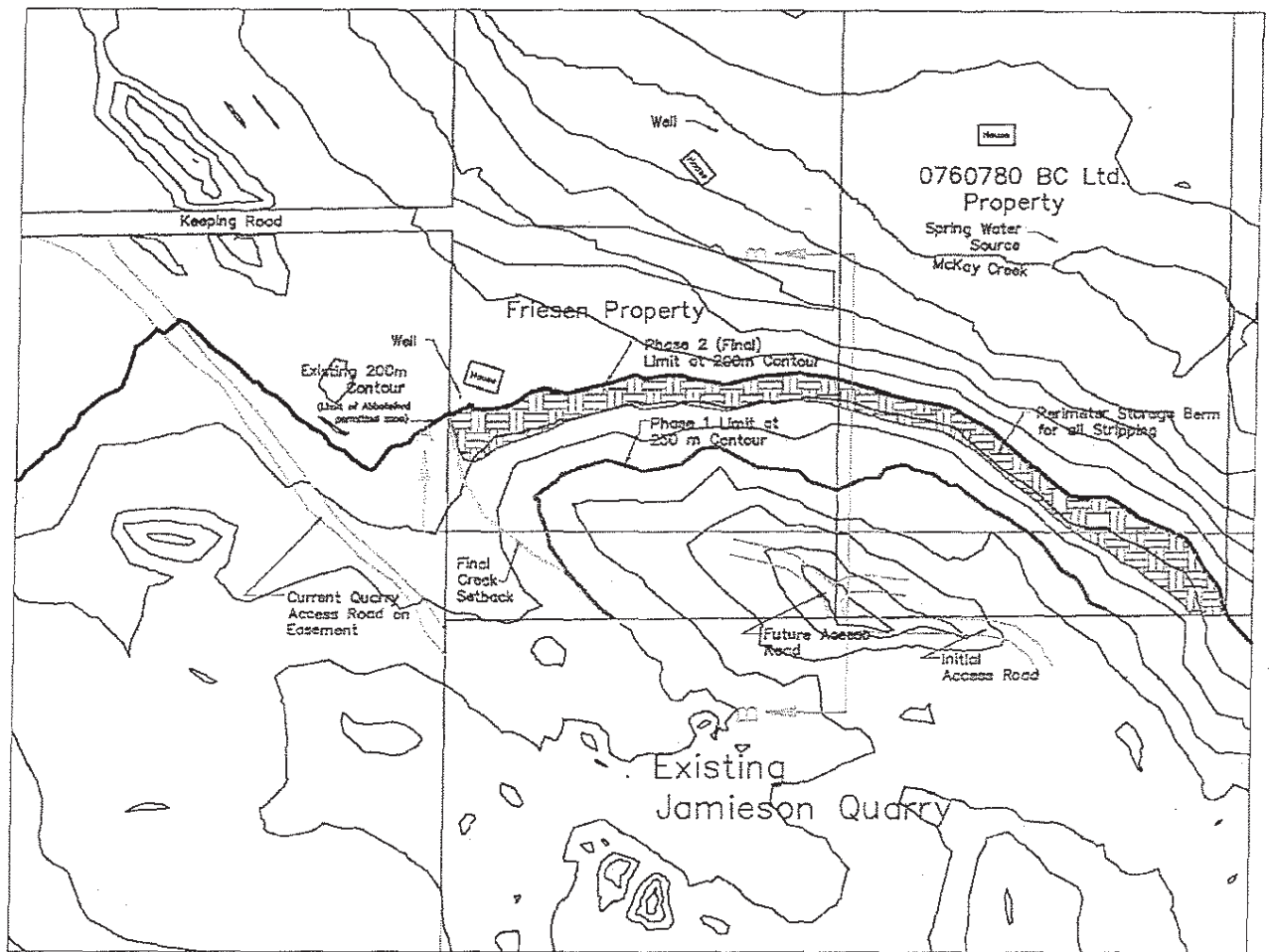


Figure 2 - Mining Plan

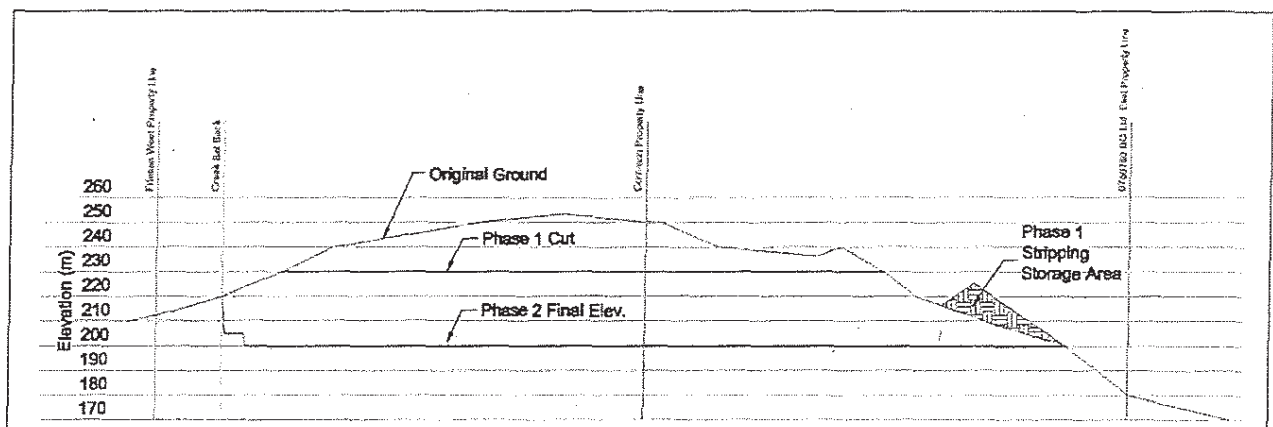


Figure 3 - Section A-A

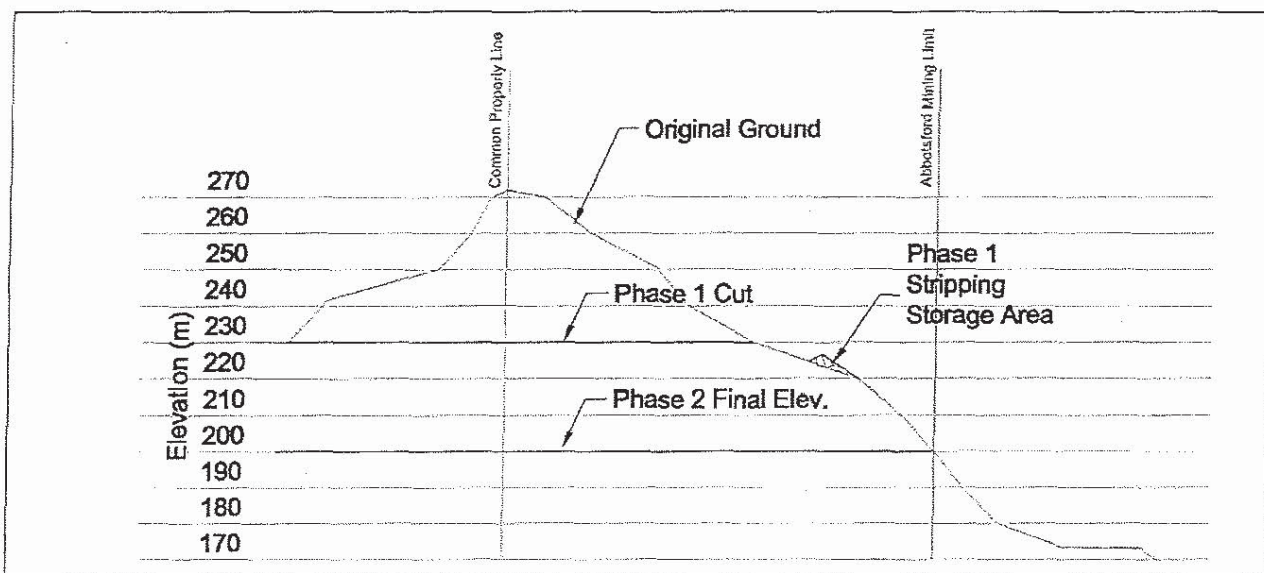


Figure 4 – Section B-B

Stripping, Mining and Reclamation Plan

a) Phase 1 Preparation (See Figures 2-4)

The mining of the New Area would be done in two phases. Phase 1 would bring the existing topography down to the current JQL pit floor elevation of approximately 230 meters. Phase 2 would remove the balance of the reserve down to a flat floor at the 200 meter elevation. The reason for the two phases is so that the topsoil stripped from the New Area can remain located on it.

The first step of Phase 1 will be for the property owners to remove any merchantable timber they wish to salvage from the New Area. As the second step, JQL will then pioneer a rough access road from the South East boundary of the New Area at the current JQL property line up to the peak of the New Area at 268 meters near the junction of the three properties. From this road, excavators will grub the remaining trees and woody material from the entire area into articulated trucks. Some of this material will remain on the slopes of the Phase 2 area for natural decomposition and to aid soil stabilization with the balance being burned according to Abbotsford restrictions. This pioneer road will also be used to enable the larger drill to access the initial drilling location.

The third step will be to use the same excavators and haulers to strip and haul all the topsoil from both Phases to the north perimeter of the New Area above the 200 meter contour. This topsoil will be placed to form a small perimeter berm approximately as shown on Figure 2. We anticipate that the New Area will have approximately the same depth of topsoil as averages on the currently permitted area (about 0.75m deep), generating about 27,000 cubic meters of topsoil.

Stripping and stockpiling will be done during dry seasons to minimize erosion concerns. Stockpiles will be built in layers with slopes which do not exceed the natural angle of repose. Once complete, they will be seeded with a hardy grass seed which has proven successful at our other sites.

b) Phase 1 Mining (Existing to 230 m Elev.)

Mining of the New Area will be done in the same manner and at the same time as mining continues on the existing JQL site. In other words, mining will be done "from the top down", with the drill blasting out benches of up to 17 meter depth. After each blast, the excavator will bail the blast muck over the edge of the bench to the existing quarry floor level where it will be transported by truck and/or loader to the crushing and screening plant, usually on the JQL site. In some portions of the New Area, the topography will require double benches and consequently re-handling of the blast muck to get it to the quarry floor.

The drill to be used is the one currently working at JQL. It drills a 165mm diameter hole on a pattern which this varies with the hardness of the rock. Explosive loading is limited to keep the seismic vibration and air shock to below the permitted values. When necessary, decking of the holes is done to reduce the charge weight per delay. We expect the same parameters will be appropriate in the New Area as have been successful at the JQL site. Seismic monitoring will continue to be done for all blasts.

As flat area becomes available, it will be used for product stockpiles and truck traffic routes.

c) Phase 2 Preparation

Because almost all the New Area will have been cleared and stripped to the limit of the topsoil berm along the north perimeter at the start of mining, no additional preparation will be needed to start mining below the 230 meter elevation except relocation of some of the higher topsoil berms being moved down.

d) Phase 2 Mining (230 m to 200 m Elev.)

Mining there will be done identically to that for Phase 1, bringing the floor elevation of the New Area down in conjunction with that of JQL. This will maximize stockpile area and optimize trucking routes.

At the north-west perimeter of the New Area, blasting could occur to within approximately 7 meters of the Friesen house. While JQL has successfully blasted within 10 meters of process equipment, special precautions need to be taken. Before mining gets to within 50 meters of the Friesen house, JQL will engage a blasting consultant to design the close-in blasts and recommend what additional safety precautions need to be taken, or the house will be vacated and demolished.

As the center portion of the New Area is mined to final grade, the topsoil stockpile from the north perimeter will either be relocated to new piles at the 200 m elevation, or spread out over the non-working area, depending on the intentions of the land owners at that time. Once the topsoil has been relocated, the reserves formerly under the stored topsoil (north perimeter elevations from about 220 m down to 200 m) will be the last to be removed from the New Area.

e) Final Reclamation

The limited size of the New Area combined with its significant topography precludes progressive reclamation. However, in the last year or so of the Phase 2 mining, final grade will be available for replacement of the topsoil if this is desired. (If the property owners intend to proceed with subdivision

application and development at that time, it may be in their interests to leave the topsoil stockpiled until the roads and services are put in place for the new lots).

Nevertheless, JQL is committed to spreading the topsoil uniformly over the site and seeding it to prevent erosion upon completion of the mining. Should the property owners request the topsoil be left in piles on the New Area, JQL will apply for release of our reclamation obligation from the owners, Abbotsford and the Ministry of Energy Mines and Petroleum Resources at that time.

Our experience at the Jamieson Quarry and elsewhere has proven that the broken rock remaining at the quarry floor level provides a natural pathway for rain water to recharge the water table. For this reason, we do not envision any benefit to providing additional drainage channels beyond those existing now.

Environmental Impacts

a) Hydrogeological Considerations

Attached as part of this application is a copy of the hydrogeological report done by Morrow Environmental Consultants for JQL in 2001 and submitted as part of the permit application for JQL. The study covered the area under this application as well and discusses issues on the specific properties involved. As a result, it is directly applicable to the permit amendment.

While the impact of the quarry on the hydrogeology of the local area was considered to be minimal, its recommendations have generally been followed during the mining of JQL and no negative impacts have been noted. We anticipate this would not change with the addition of the New Area.

The major concern is that no debris or silt be allowed to enter McKay Creek. This has been successfully accomplished in the quarrying of JQL and will continue to be accomplished in the New Area.

b) Blasting

The Morrow report deals briefly with the potential impacts of blasting – flyrock, dust, noise and addition of nitrogen to the water table.

Flyrock is controlled by accurate pattern spacing and explosive loading done at the correct intensity. When possible, the open faces are directed into the quarry rather than to the perimeter of the property. Unless the Friesen house is to be demolished, as we approach it, we expect the consultant will require use of blasting mats to ensure there is no possibility of flyrock damage from blasting and that any nearby residents be moved to a safe distance during loading and blasting.

Dust from blasting is localized to the immediate vicinity of the site and typically settles out within five minutes of the blast. The blaster is not permitted to enter the blast site to do the post blast safety inspection until the blasting dust and fumes have settled and dissipated.

Blast noise (air shock) is limited to levels set by the US Bureau of Mines. This sound pressure level is roughly equivalent to a short pulse of 20 mph wind and is incapable of damaging glass, plaster or drywall. JQL controls this by the blast design and limiting the explosives allowed to detonate simultaneously. In addition, when practical, JQL tries to avoid blasting during low overcast conditions as clouds tend to reflect the air shock back to the neighbourhood.

JQL uses either ANFO (Ammonium Nitrate / Fuel Oil mixture) explosives or an emulsion based on ANFO. Dry ANFO cannot be used in wet holes (i.e. below the water table), as it will not explode if wet. Where the driller encounters wet holes, a plastic bag liner is used to separate the explosive from ground water. This not only ensures the explosive will go off, but also prevents contamination of the water table. The use of ANFO emulsions instead of dry ANFO can reduce the amount of time the drill has to work which reduces overall noise from the site. Emulsion "gels" within the hole so it can be used below the water table without the need for liners yet without migrating due to water flow.

Furthermore, it is JQL's safety policy that explosives must be detonated the same day they are placed in the ground. This has the additional benefit of minimizing the time the explosive is in contact with the ground.

c) Vegetation and Wildlife

The environmental impacts on vegetative species and wildlife of the whole area was studied by others prior to Abbotsford approving this zone for resource extraction. As a result, no further studies have been done to support this application.

Conclusion

We trust this is sufficient information to support our application. Should more information be required, you can contact me via phone at 604-882-5650 or e-mail at ted@mainlandsg.com.

Yours truly,



Ted Carlson
Jamieson Quarries Ltd.

Attach: Notice of Work dated July 30, 2009
Two letters of support from property owners
Morrow Environmental Report dated 2001-02-02

s.22

July 30 2009

Ministry of Energy & Mines
P.O. Box 9320 Stn Prov Govt
Victoria, BC
V8W 9N3

Attention: Mr. Ed Taje, Senior Inspector of Mines

Dear Sir:

RE: Support for Mining Plan Revision – Jamieson Quarries Ltd. (Permit #Q-7-45)

As owners of the above noted property which is part of Jamieson Quarries Ltd. (JQL) application for amendment of their mining permit dated July 30 2009, we wish to confirm our support for the application. We have reviewed the Notice of Work and the accompanying letter and agree with their contents.

Yours truly,

s.22

0760780 BC Ltd.

s.22

July 30 2009

Ministry of Energy & Mines
P.O. Box 9320 Stn Prov Govt
Victoria, BC
V8W 9N3

Attention: Mr. Ed Taje, Senior Inspector of Mines

Dear Sir:

RE: Support for Mining Plan Revision – Jamieson Quarries Ltd. (Permit #Q-7-45)

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Yours truly,

s.22

REC'D SEP - 6 2002

September 4, 2002

File No.: T4675-30/ML-QU-JAMI

0700473

Jamieson Quarries Ltd.
820 1180 West Georgia Street
Vancouver, British Columbia
V6E 4A2

Attention: Frank Sojonky, President

Dear Sir:

Re: Amendment to Reclamation Permit Q-7-45
Pursuant to the *Mines Act*

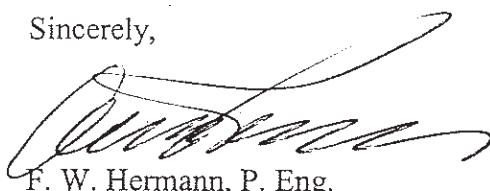
An application to amend permit **Q-7-45**, extending the period of time for conducting the building inspections as required under Condition 16 (c), was filed with the District Inspector on **September 4, 2002**.

The Chief Inspector of Mines hereby approves this application and amends Condition 16 (c) as follows:

The operator shall conduct building inspections using a qualified building inspector on all homes on the subject property and adjacent properties and including foundations on the adjacent Trans Mountain Pipeline tank farm. These inspections shall be completed by September 30, 2002.

Please attach this letter to your permit, as it becomes an integral part of it.

Sincerely,

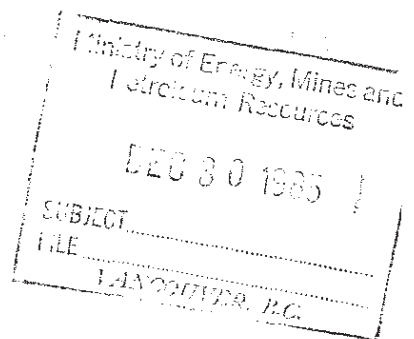


F. W. Hermann, P. Eng.
for Chief Inspector of Mines

p.c. John Errington, Manager, Reclamation and Permitting

Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources

APPROVAL OF WORK SYSTEM
AND
PERMIT
APPROVING RECLAMATION PROGRAM
SAND AND GRAVEL PITS AND QUARRIES



(Issued pursuant to the Mines Act)

Permit No. G-7-42

Issued to Laurmel Holdings Ltd.
Address 18311 - 72nd Avenue
Surrey, B. C. V3S 4P1

for work at the operation located on land described as follows:
Cox Station Sand & Gravel Pit
Frac. SW $\frac{1}{4}$, Sec. 21, TP 20,
Frac. $\frac{1}{4}$ Sec. 16, TP 20 and L.S.2

The registered owner of the land is Laurmel Holdings Ltd.
Address 18311 - 72nd Avenue
Surrey, B. C. V3S 4P1

This approval and permit is issued pursuant to Sections 6,7,8,9,
10 and 11 of the Mines Act and is subject to the appended
conditions.

Issued this 20th day of December in the year 1985.

..... *P. E. Danson*
Chief Inspector of Mine

PREAMBLE

1. Notice of intention to commence work was given on 21 July 1985
2. A report and plan of the work system dated July 1985 was filed with the Chief Inspector of Mines on 4 November 1985.
3. A program for the protection and reclamation of the surface of the land and watercourses affected by the mine dated July 1985 was filed with the Minister on 4 November 1985.
4. Notice of such filing was published in Abbotsford-Sumas News on 7 August 1985 and in the Gazette on 22 August 1985.

APPROVAL

The Chief Inspector of Mines hereby approves the report and plan of the work system and approves the program for protection and reclamation of the surface of the land and watercourses affected by the mine subject to compliance with the following conditions:

1. The owner, agent or manager shall not depart from the report and plan of the work system to any substantial degree without the written approval of the Chief Inspector of Mines.
 2. The owner, agent or manager shall deposit as security with the Chief Inspector of Mines the amount of Ten Thousand dollars (\$10,000.00) and the security shall be held by the Chief Inspector of Mines for the proper performance of the approved program and all the conditions of this permit in a manner satisfactory to the Chief Inspector of Mines. The owner, agent or manager shall maintain this security until no longer required to do so by the Chief Inspector of Mines.
 3. The owner, agent or manager shall comply with the program for the protection and reclamation of the surface of the land and watercourses affected by the mine as follows:
 - a. Topsoil and Overburden - Topsoil and overburden (to rooting depth) must not be removed from the property but shall be removed from operational areas prior to any disturbance of land, and is to be stockpiled separately on the property. When it can be shown that the topsoil is not required for the reclamation program, permission to remove it from the property may be obtained from the Inspector, who, if he so approves, will grant such permission in writing.
- NOTE: On Crown Land, the authorization for removal and use of topsoil off the mine property must be obtained under the Land Act from the Ministry of Lands, Parks and Housing prior to such removal and use.
- b. Protection and Reclamation of Watercourses - Watercourses within or immediately adjacent to the operation are to be protected against pollution. If necessary, watercourses should be suitably diverted. Upon termination of operations, the watercourses are to be reclaimed to as close to their original condition as is practicable.

NOTE: Approval must be obtained from the Ministry of Environment, Water Management Branch, prior to work in or about a stream.

c. Erosion Control - Water which flows from disturbed areas shall be collected and diverted into settling ponds.

d. Buffer Zones and Berms - At the discretion of an Inspector, buffer zones and/or berms may be required between the mine and the property boundary to alleviate the effects of noise and dust.

e. Continual and Progressive Reclamation - The surface of the land shall be continually and progressively reclaimed.

f. The land shall be left in a condition satisfactory to the Chief Inspector of Mines according to the following:

- i) Unconsolidated material such as pit banks, berms, benches, hummocks, waste dumps and refuse piles shall be revegetated. Recontouring and covering the slopes with a suitable growth medium may be required.
- ii) All buildings and equipment must be removed from the site.
- iii) Concrete foundations and slabs may be left intact but must be covered with overburden and revegetated.
- iv) Roads shall be ripped and covered with overburden and revegetated.
- v) A permanent system of drainage control must be established.

4. Notice of Closure - Pursuant to Section 6, Mines Act, not less than seven days prior to cessation of work, a report of work done and reclamation completed shall be filed with the Inspector of Mines and Resident Engineer.

SPECIAL CONDITIONS:

- See Attached Sheet -

NOTE: This permit applies only to the requirements under the Mines Act. Other legislation may be applicable to the mining operations, and this permit in no way abrogates the responsibility of the permittee under such other legislation.

1. The report and plan of the work system and program for the protection of reclamation of the surface of the land referred to in the Preamble includes the following documents:
 - a) Preliminary Report Gravel Resource Development Near Cox Station, B.C. by Hardy Associates (1978) Ltd., July 1985.
 - b) Notice of Opening - Sand and Gravel Operations, July 31, 1985 by L.J. Carlson.
 - c) Letter Carlson to Dudas, September 11, 1985.
 - d) Letter A.E. Dahlman, Hardy Associates Ltd. to Carlson, August 28, 1985.
2. Chadsey Creek will remain in its pre-1981 alignment with the exception of some minor adjustments immediately upstream of the log bridge. Any future diversion will require an amendment to this permit.
3. Mining Activity shall not affect the Canadian National Railway Right of Way.
4. Barge loading sites in the Fraser River are regulated by Federal Statute.
5. The owner, agent or manager shall enforce the Mines Act pursuant to Section 26.

V. E. Hanson



Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources

APPROVAL OF WORK SYSTEM
AND
PERMIT
APPROVING RECLAMATION PROGRAM
SAND AND GRAVEL PITS AND QUARRIES
(Issued pursuant to the *Mines Act*)

Permit No. G - 7 - 42 (Amendment to Permit G-7-42 first issued on December 20, 1985)

Issued to Laumel Holdings Ltd.

Address 18311 - 72nd Avenue

Surrey, B.C. V3S 4P1

for work at the operation located on land described as follows:

Cox Station Sand & Gravel Pit, and Cox Station Quarry.

Frac. SW $\frac{1}{4}$, Sec. 21, TP 20, Frac. $\frac{1}{4}$, Sec. 16, TP 20 and L.S. 2.

The registered owner of the land is as above

Address as above

This approval and permit is issued pursuant to sections 6, 7, 8, 9, 10 and 11 of the *Mines Act* and is subject to the appended conditions.

Issued this 2nd day of March in the year 1987

 for V.E. Dawson
Chief Inspector of Mines

PREAMBLE

1. Notice of intention to commence work was given on October 7, 1986
2. A report and plan of the work system dated October 3, 1986 was filed with the Chief Inspector of Mines on February 16, 1987
3. A program for the protection and reclamation of the surface of the land and watercourses affected by the mine dated October 3, 1987 was filed with the Minister on February 16, 1987
4. Notice of such filing was published in N/A on N/A and in the *Gazette* on N/A

APPROVAL OF WORK SYSTEM

The Chief Inspector of Mines hereby approves the report and plan of the work system subject to compliance with the following conditions:

1. The owner, agent or manager shall not depart from the report and plan of the work system to any substantial degree without the written approval of the Chief Inspector of Mines.
2. The owner, agent or manager shall comply with all the provisions of the *Mines Act* and the Mines Regulation.
3. Pursuant to section 6, *Mines Act*, notice of intention to stop work shall be filed with the Inspector of Mines and Resident Engineer not less than seven days prior to cessation of work.
4. Special Conditions:

PERMIT APPROVING RECLAMATION PROGRAM

The Chief Inspector of Mines hereby approves the program for protection and reclamation of the surface of the land and watercourses affected by the mine subject to compliance with the following conditions:

1. The owner, agent or manager shall conform to the "Guide to Development of Sand and Gravel Pits and Quarries Under the *Mines Act*".
2. The owner, agent or manager shall deposit as security with the Chief Inspector of Mines the additional amount of \$2,500.00 making a total of dollars (\$12,500.00) within thirty days of issuance of this permit. The security shall be held by the Chief Inspector of Mines for the proper performance of the approved program and all the conditions of this permit in a manner satisfactory to the Chief Inspector of Mines. The owner, agent or manager shall maintain this security until no longer required to do so by the Chief Inspector of Mines.
3. The owner, agent or manager shall comply with the program for the protection and reclamation of the surface of the land and watercourses affected by the mine as follows:
 - a. Topsoil and Overburden — Topsoil and overburden (to rooting depth) must not be removed from the property but shall be removed from operational areas prior to any disturbance of the land, and is to be stockpiled separately on the property. When it can be shown that the topsoil is not required for the reclamation program, permission to remove it from the property may be obtained from the Inspector, who, if he so approves, will grant such permission in writing.

NOTE: On Crown land, the authorization for removal and use of topsoil off the mine property must be obtained under the *Land Act* from the Ministry of Forests and Lands prior to such removal and use.

- b. Protection and Reclamation of Watercourses — Watercourses within or immediately adjacent to the operation are to be protected against pollution. If necessary, watercourses should be suitably diverted. Upon termination of operations, the watercourses are to be reclaimed to as close to their original condition as is practicable.

NOTE: Approval must be obtained from the Ministry of Environment and Parks, Water Management Branch, prior to work in or about a stream.

- c. Erosion Control — Water which flows from disturbed areas shall be collected and diverted into settling ponds.
 - d. Buffer Zones and Berms — At the discretion of an Inspector, buffer zones and/or berms may be required between the mine and the property boundary to alleviate the effects of noise and dust.
 - e. Continual and Progressive Reclamation — The surface of the land shall be continually and progressively reclaimed.
 - f. The land shall be left in a condition satisfactory to the Chief Inspector of Mines according to the following:
 - i) Unconsolidated material such as pit banks, berms, benches, hummocks, waste dumps and refuse piles shall be revegetated. Recontouring and covering the slopes with a suitable growth medium may be required.
 - ii) All buildings and equipment must be removed from the site.
 - iii) Concrete foundations and slabs may be left intact but must be covered with overburden and revegetated.
 - iv) Roads shall be ripped and covered with overburden and revegetated.
 - v) A permanent system of drainage control must be established.

4. Notice of Closure — A report of reclamation shall be filed with the Inspector not less than seven days prior to cessation of work, and this shall accompany the notice required under section 6, *Mines Act*.

The owner, agent or manager, or an inspector may apply to the Chief Inspector of Mines for revision of the conditions of this permit, and if he so decides, the Chief Inspector may revise the conditions.

NOTE: This permit applies only to the requirements under the *Mines Act*. Other legislation may be applicable to the mining operations, and this permit in no way abrogates the responsibility of the permittee under such other legislation.

1. The report and plan of the work system and program for the protection of reclamation of the surface of the land referred to in the Preamble includes the following documents:
 - a) Preliminary Report Gravel Resource Development Near Cox Station, B.C. by Hardy Associates (1978) Ltd., July 1985.
 - b) Notice of Opening - Sand and Gravel Operations, July 31, 1985 by L.J. Carlson.
 - c) Letter Carlson to Dudas, September 11, 1985.
 - d) Letter A.E. Dahlman, Hardy Associates Ltd. to Carlson, August 28, 1985.
2. Chadsey Creek will remain in its pre-1981 alignment with the exception of some minor adjustments immediately upstream of the log bridge. Any future diversion will require an amendment to this permit.
3. Mining Activity shall not affect the Canadian National Railway Right of Way.
4. Barge loading sites in the Fraser River are regulated by Federal Statute.
5. The owner, agent or manager shall enforce the Mines Act pursuant to Section 26.
6. The Report of McIntyre Associates, dated 17 December 1986 to be included in the operation of the quarry.

V. E. Dawson

PROVINCE OF BRITISH COLUMBIA
MINISTRY OF ENERGY, MINES AND PETROLEUM RESOURCES

AMENDMENT TO SAND AND GRAVEL PERMIT
APPROVING WORK SYSTEM AND RECLAMATION PROGRAM
(Issued pursuant to Section 10 of the Mines Act S.B.C. 1989)

Permit: G-7-42 (Amendment to Permit dated March 2, 1987)

Issued to: Mainland Sand & Gravel Ltd.

18311-72nd Ave.,
Surrey, B.C. V3S 4F1


9512 - 194A STREET
SURREY, BC VAN 4G5

for work located at the following property:

Pt. NW 1/4 Sec. 16, Pt. NE 1/4 Sec. 17, LS2 Sec. 21, LS7 Sec. 21, LS8
Sec. 21, Pt. SW 1/4 Sec. 21, W1/2 LS5 Sec. 22, and DL 477 Grp. 2,
TWP 20, S & E Plan 1212 A. N.W.D.

This approval and permit is subject to the appended conditions.

Issued this 9th day of June in the year 1993.



R.A. Fyles, P.Eng.
Chief Inspector of Mines

PREAMBLE

Notice of intention to commence work on a sand and gravel pit, including a plan of the proposed work system and a program for the protection and reclamation of the surface of the land and watercourses affected by the work dated February 26, 1993 was filed with the District Inspector on March 2, 1993. Notice of such filing in the local newspaper and in the B.C. Gazette was waived.

This permit contains the requirements of the Ministry of Energy, Mines and Petroleum Resources for reclamation. It is also compatible, to the extent possible, with the requirements of other provincial ministries for reclamation issues. The amount of security required by this permit, and the manner in which this security may be applied, will also reflect the requirements of those ministries. Nothing in this permit, however, limits the authority of other provincial ministries to set other conditions, or to act independently, under their respective permits and legislation.

Decisions made by staff of the Ministry of Energy, Mines and Petroleum Resources will be made in consultation with other ministries.

CONDITIONS

The Chief Inspector of Mines (Chief Inspector) hereby approves the work plan and the program for protection and reclamation of the land surface and watercourses subject to compliance with the following conditions:

1. Reclamation Security
 - (a) The owner, agent or manager (herein called the Permittee) shall maintain with the Minister of Finance and Corporate Relations securities an additional amount of Seven Thousand, Five Hundred dollars (\$7,500.00) making a total of Twenty Thousand dollars. The security will be held by the Minister of Finance and Corporate Relations for the proper performance of the approved program and all the conditions of this permit in a manner satisfactory to the Chief Inspector.
 - (b) The Permittee shall conform to all forest tenure requirements of the Ministry of Forests. Should the Permittee not conform to these requirements then all or part of the security may be used to cover the costs of these requirements.

- (c) The Permittee shall conform to all Ministry of Environment approval, licence and permit conditions, as well as requirements under the **Wildlife Act**. Should the Permittee not conform to these conditions, then all or part of the security may be used to fulfill these requirements.

2. Land Use

The surface of the land and watercourses shall be reclaimed to the following land use: community plan zoning.

3. Productivity

The level of land productivity to be achieved on reclaimed areas shall not be less than existed prior to mining on an average property basis unless the Permittee can provide evidence which demonstrates, to the satisfaction of the Chief Inspector, the impracticality of doing so.

4. Revegetation

Land shall be revegetated to a self-sustaining state using appropriate plant species.

5. Use of Suitable Growth Medium

- (a) On all lands to be revegetated, the growth medium shall satisfy land use, productivity, and water quality objectives. Topsoil and overburden (to rooting depth) shall be removed from operational areas prior to any disturbance of the land and stockpiled separately on the property for use in reclamation programs, unless the Permittee can provide evidence which demonstrates, to the satisfaction of the Chief Inspector, that reclamation objectives can otherwise be achieved.
- (b) No topsoil shall be removed from the property without the specific written permission of the District Inspector.

6. Buffer Zones and Berms

Buffer zones and/or berms shall be established between the mine and the property boundary unless exempted in writing by the District Inspector.

7. Treatment of Structures and Equipment

Prior to abandonment, and unless the Chief Inspector has made a ruling otherwise, such as heritage project consideration or industrial use,

- (a) all machinery, equipment and building superstructures shall be removed,
- (b) concrete foundations shall be covered and revegetated unless, because of demonstrated impracticality, they have been exempted by the Inspector, and
- (c) all scrap material shall be disposed of in a manner acceptable to the Inspector.

8. Watercourses

- (a) Watercourses shall be reclaimed to a condition that ensures
 - (1) long-term water quality is maintained to a standard acceptable to the Chief Inspector,
 - (2) drainage is restored either to original watercourses or to new watercourses which will sustain themselves without maintenance, and
 - (3) use and productivity objectives are achieved and the level of productivity shall not be less than existed prior to mining unless the Permittee can provide evidence which demonstrates, to the satisfaction of the Chief Inspector, the impracticality of doing so.
- (b) Water which flows from disturbed areas shall be collected and diverted into settling ponds.

9. Roads

- (a) All roads shall be reclaimed in accordance with land use objectives unless permanent access is required to be maintained.
- (b) Individual roads will be exempted from the requirement for total reclamation under condition 9(a) if either:
 - (1) the Permittee can demonstrate that an agency of the Crown has explicitly accepted responsibility for the operation, maintenance and ultimate deactivation and abandonment of the road, or
 - (2) the Permittee can demonstrate that another private party has explicitly agreed to accept responsibility for the operation, maintenance and ultimate deactivation and abandonment of the road and has, in this regard, agreed to comply with all the terms and conditions, including bonding provisions, of this reclamation permit, and to comply with all other relevant provincial government (and federal government) regulatory requirements.

10. Disposal of Fuels and Toxic Chemicals

Fuels, chemicals or reagents which cannot be returned to the manufacturer/supplier are to be disposed of as directed by the Chief Inspector in compliance with municipal, regional, provincial and federal statutes.

11. Temporary Shutdown

If this sand and gravel pit ceases operation for a period longer than one year the Permittee shall either continue to carry out the conditions of the permit or apply for an amendment setting out a revised program for approval by the Chief Inspector.

12. Safety Provisions

All safety and other provisions of the **Mines Act** shall be complied with to the satisfaction of the Chief Inspector.

13. Monitoring

The Permittee shall undertake monitoring programs, as required by the District Inspector, to demonstrate that reclamation objectives are being achieved.

14. Alterations to the Program

Substantial changes to the program must be submitted to the District Inspector for approval.

15. Notice of Closure

Pursuant to Part 10.5.1 of the Health, Safety and Reclamation Code for Mines in British Columbia, a Notice of Completion of Work shall be filed with the District Inspector not less than seven days prior to cessation of work.

16. Annual Reclamation Report

By March 31 of each year, an annual reclamation report shall be submitted in a form and containing the information required by the Chief Inspector.

SPECIAL CONDITIONS:

1. The Quarry Plan Revision Report dated January 1993 by A. G. French M.Sc. P.Geo. shall form part of the mine work plan and reclamation plan for the quarry.
2. A plan revision for a minimum 30 metres wide buffer zone to protect Wade Creek and Chadsey Creek shall be provided to comply with Fisheries and Oceans requirements (letter dated May 4, 1993) and submitted to the District Manager and Engineer by September 30, 1993.
3. Buffer zones as shown shall be flagged and marked to avoid clearing any trees or natural vegetation from these areas.
4. Blasting shall be controlled to reduce noise and avoid ground vibration to neighbouring properties.
5. Dust shall be controlled at crushing and screening source points by water sprays, and by a water truck on the road.

6. Silt laden water originating on site shall be suitably contained and not allowed free access to any watercourse or creek leading to the Fraser River. A water management and surface drainage plan shall be provided for the whole site as per Fisheries & Oceans letter of May 4, 1993 and submitted to the District Manager and Engineer by September 30, 1993.



June 14, 1999

File No.: 14675-30\ML-QU-MAIN

Mainland Sand & Gravel Ltd.
9512 194A Street
Surrey, British Columbia
V4N 4G5

Attention: Mr. Ted Carlson

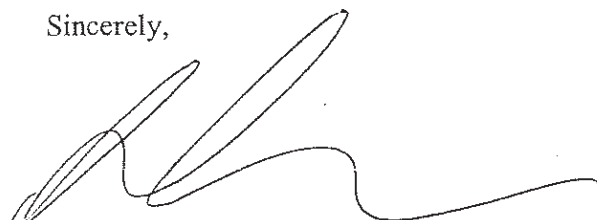
Dear Sir:

Re: Application for *Mines Act* Approval
Amendment to Reclamation Permit No.: G-7-42
Property: Cox Station Quarry, Abbotsford

Enclosed, please find an amended permit cover page to correct the error made in the total security in the above noted permit. Please be sure to attach this amendment to your original permit as it becomes an integral part of it.

Sorry for any inconvenience this may have caused.

Sincerely,


F.W. Hermann, P. Eng.
Chief Inspector of Mines

jlk

Attachment

p.c. John Errington, Manager, Reclamation and Permitting



June 14, 1999

File No.: 14675-30\ML-QU-MAIN

Mainland Sand & Gravel Ltd.
9512 194A Street
Surrey, British Columbia
V4N 4G5

Attention: Mr. Ted Carlson

Dear Sir:

**Re: Application for *Mines Act* Approval
Amendment to Reclamation Permit No.: G-7-42
Property: Cox Station Quarry, Abbotsford**

An application to amend your permit in the form of the **Cox Station Quarry Plan Revision** dated **July, 1998**, has been received and reviewed by all concerned agencies.

Pursuant to Section 10 (7) of the *Mines Act*, the Chief Inspector of Mines hereby approves this application and amends the Conditions as follows:

1. Reclamation Security

- (a) The owner, agent or manager (herein called the Permittee) shall maintain with the Minister of Finance and Corporate Relations an additional security of Five Thousand dollars (\$5,000.00). A total security of **Twenty Five Thousand dollars (\$25,000.00)** will be held by the Minister of Finance and Corporate Relations for the proper performance of the approved program and all the conditions of this permit in a manner satisfactory to the Chief Inspector of Mines.

16. Special Conditions

- (g) A revised mine plan shall be submitted by May 31, 1999, which incorporates the 30 metre leave strip adjacent to Wades Creek.
- (h) A water management plan shall be submitted by May 31, 1999.
- (i) A hydrologist shall be retained to determine the source of water that was encountered during operations and whether it has any connection to Wades Creek.

.../2

Permit Amendment: **G-7-42**

June 14, 1999

Page 2

Receipt is acknowledged of the completed securities date March 8, 1999, described as:

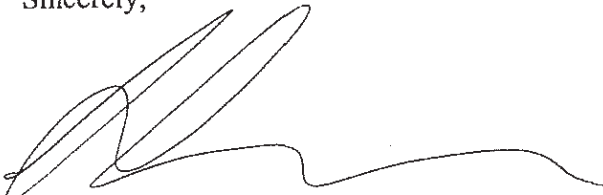
A Irrevocable Bank guarantee number **10690/10/95** with **Hongkong Bank of Canada**, in the amount of **Twenty Five Thousand dollars (\$25,000.00)**.

Condition 1(a) of your permit has now been fulfilled.

Please attach this letter to your permit, as it becomes in integral part of it.

You are required to complete the enclosed **Notice of Completion** form and return it to this office at the end of your work program.

Sincerely,

A handwritten signature in black ink, appearing to be 'F.W. Hermann', written over a horizontal line.

PbM

F.W. Hermann, P. Eng.
Chief Inspector of Mines

Attachment(s)

p.c. John Errington, Manager, Reclamation and Permitting

PROVINCE OF BRITISH COLUMBIA
MINISTRY OF ENERGY AND MINES

AMENDMENT TO QUARRY PERMIT

APPROVING WORK SYSTEM
AND RECLAMATION PROGRAM

(Issued pursuant to Section 10 of the **Mines Act** R.S.B.C. 1996, c. 293)

Permit: **Q-7-68 (formerly G-7-42)**

Issued to: **Mainland Sand & Gravel Ltd.
9512 - 194A Street
Surrey, British Columbia
V4N 4G5**

for work located at the:


**Cox Station Quarry
Upper Sumas Mountain Road, Fraser Valley Regional District**

Pt. NW¼ Sec 16, Pt. NE¼ Sec 17, LS2 Sec 21, LS7 Sec 21, LS8 Sec 21, Pt. SW¼ Sec 21, W½ LS5 Sec 22, and DL 477 Grp. 2, TWP 20, S & E Plan 1212A, NWD; Lot 4 Sec 17 and Lot 5 Sec 17, TWP 20, Plan 67072, NWD; and the "East Lands", described as Blk. A, DL 944, Grp. 2, NWD and Pts. of Sec 16 and 21, TWP 20, East of the Coast Meridian, NWD.

This permit contains the following amendments:

March 2, 1987	Amendment to Original Permit, dated December 20, 1985
June 9, 1993	Approving 1993 Mine Plan
June 14, 1999	Approving July 1998 Quarry Plan Revision
January 29, 2001	Approving August 2000 Quarry Plan Revision

Amended at Victoria, British Columbia this 29th day of January in the year 2001.



F.W. Hermann, P.Eng.
Chief Inspector of Mines

PREAMBLE

An application to amend permit G-7-42, dated August 9, 2000, entitled Cox Station Quarry Plan Revision, which included a plan of the work system and a program for the protection and reclamation of the surface of the land and watercourses affected by the mine area known as the East Lands, was submitted to the District Inspector on August 14, 2000, in accordance with Section 10(6) of the **Mines Act** and the Health, Safety and Reclamation Code for Mines in British Columbia (Code).

The application was referred to the Lower Mainland Mine Development Review Committee in accordance with Part 10, Section 10.3.1 of the Code.

The following reports and letters are considered to be addendums to the application, and collectively constitute part of the application:

- a) "Noise Survey at Cox Station Quarry, Sumas Mountain" by Wakefield Acoustics Ltd., dated November 30, 2000.
- b) "Amendment to Water Management Plan" by Eric Beresford, Mining Consultant, dated December 6, 2000.
- c) "Interim Environmental Report for Proposed Quarry Extension" by Scott Resource Services Ltd., dated December 7, 2000.
- d) "Interim Summary to December 5, 2000, Cox Station Quarry" Wildlife and Vegetation Survey by B.C.'s Wild Heritage, dated December 5, 2000.
- e) "Cox Station Quarry Expansion - Potential Effects on the Hydrology of Chadsey Creek" by Northwest Hydraulic Consultants, dated December 8, 2000.

This permit contains the requirements of the Ministry of Energy and Mines (MEM) for reclamation. It also is compatible, to the extent possible, with the requirements of other provincial ministries for reclamation issues. The amount of security required by this permit and the manner to which this security may be applied, will also reflect the requirements of those ministries. However, nothing in this permit limits the authority of other provincial ministries, federal departments or other government agencies to set other conditions, or to act independently, under their respective permits and legislation.

Decisions made by staff of the Ministry of Energy and Mines will be made in consultation with other provincial ministries, federal departments and local government agencies.

CONDITIONS

The Chief Inspector of Mines (Chief Inspector) hereby approves the work system and the program for protection and reclamation of the land surface and watercourses subject to compliance with the following conditions:

General

1. Compliance with Mines Act and Code

All work shall be in compliance with all sections and parts of the **Mines Act** and Code, and the owner, agent or manager (herein called the Permittee) shall obey all orders issued by the Chief Inspector or his delegate.

2. Departure from Approval

The Permittee shall notify the Chief Inspector and the District Inspector in writing of any intention to depart from either the plan of the work system or the program for the protection and reclamation of the surface of the land and watercourses to any substantial degree, and shall not proceed to implement the proposed changes without the written authorization of the Chief Inspector.

Work System

1. Scope

This permit amendment approves the August 2000 mining plan for the proposed quarry extension into the East Lands. The approved July 1998 mining plan remains in effect for the remainder of the quarry operation.

2. Quarry Excavations

- a) Other than access, no excavation or pit related disturbance shall occur within 5 metres of any property boundary.
- b) All trees, vegetation and topsoil shall be removed within 2 metres of the rim of any working face. Overburden cut shall be backsloped at less than the natural angle of repose and revegetated.
- c) The Permittee shall engage a qualified geoscientist to evaluate the stability of the west quarry wall during development of the East Lands expansion, and to make recommendations for modification of the mining plan and mitigation of potential reduced flows or sedimentation in Chadsey Creek if areas of instability are identified.

- d) The northwest wall of the East Lands quarry expansion shall be re-designed to minimize any disturbance to a sensitive wildlife habitat zone along the base of the ridge, between approximately trap #4 and trap #12, as described in the B.C.'s Wild Heritage Interim Summary report. The revised wall design shall be submitted to the District Inspector for review and approval prior to quarry excavation.

3. Blasting

- a) Blasting shall only be conducted by persons holding a valid Blasting Certificate issued pursuant to Part 8 of the Code.
- b) Fly rock shall be controlled through proper blast design and, where necessary, with the appropriate use of blasting mats.
- c) Explosives shall not be stored on site without an Explosives Storage and Use Permit issued pursuant to Part 8 of the Code.

4. Noise and Dust

- a) Flashing strobe lights shall be substituted for audible back-up alarms on all mobile loading equipment during operational hours of darkness, subject to obtaining the written approval of the Chief Inspector.
- b) The Permittee shall continue to review, assess and, where practicable, implement options for attenuation of noise from processing plant operation, including screening and/or enclosure of plant equipment.
- c) The Permittee shall engage a qualified consultant to study the physical and chemical properties of dust generated by quarry operations, and to assess the potential adverse health effects of airborne dust emission, with particular attention to the PM₁₀ and PM_{2.5} size fractions.
- d) Water sprays and other dust suppression measures shall be implemented as necessary to control airborne dust emissions from the quarry property.

Protection of the Land and Watercourses

1. Buffer Zones

- a) No surface disturbance associated with the quarry operation shall occur within a 30-metre setback of any watercourse or wetland, as defined in the Land Development Guidelines for the Protection of Aquatic Habitat, with the exception of that area of the approved East Lands quarry development that extends over the watershed boundary of Chadsey Creek.

- b) The Permittee shall not remove or disturb vegetation within the established environmental buffer zones.

2. Water Management and Sediment Control

- a) Water management and sediment control facilities in the East Lands quarry development shall be established as described in the Amendment to Water Management Plan, dated December 6, 2000. Detailed designs for the new haul road and sediment retention ponds and a detailed aquatic habitat compensation plan shall be submitted to the District Inspector for review and approval prior to construction of any new facilities.
- b) A program for establishing baseline low flow conditions in Chadsey Creek shall be developed in consultation with the Regional Wildlife Manager, Ministry of Environment, Lands and Parks, and the Habitat Officer, Department of Fisheries and Oceans Canada, and the program shall be submitted to the District Inspector for review and approval at least 12 months prior to commencement of blasting in the Chadsey Creek watershed.
- c) The TKG Development Engineering Ltd. water management plan, dated March 15, 1999, remains in effect on the remainder of the quarry operation.
- d) There shall be no discharge of surface drainage from any disturbed area of the quarry to any wetland, stream or side-channel of the Fraser River. All run-off from active quarry areas shall be collected and treated, and any discharge of treated water shall be directed to the mainstem Fraser River.
- e) All surface water discharges to the mainstem Fraser River shall consistently meet the Department of Fisheries and Oceans Canada discharge standard of 75 mg/litre of suspended solids above background levels.
- f) Overburden stockpiles shall be sloped to less than the natural angle of repose and shall be stabilized with an appropriate ground cover to control erosion.

3. Groundwater

In the event that significant groundwater flows are encountered during development of the East Lands quarry expansion, a qualified geotechnical specialist shall be engaged to assess potential effects on summer low flows in Chadsey Creek.

4. Wildlife Habitat and Sensitive Ecosystems

- a) The Permittee shall, on or before October 31, 2001, submit a report to the District Inspector confirming the absence or presence of rare and endangered wildlife species, including red-legged frog breeding sites, mountain beaver burrows and rare or endangered plant species on the East Lands, and assessing the relative importance of any identified habitat in the context of all the available habitat on Sumas Mountain.
- b) Quarry operations on the East Lands shall avoid sensitive wildlife habitat areas along the northwest base of the quarry, between approximately trap #4 and trap #12, as described in the B.C.'s Wild Heritage Interim Summary report.

5. Fuel Handling/Spill Containment

- a) Refuelling operations shall not be carried out within any of the established environmental buffers or within 30 metres of any water management facility.
- b) All fuel storage facilities shall be provided with secondary containment and shall be installed and maintained in accordance with the Canadian Council of Ministers of the Environment (CCME) Environmental Code of Practice for Aboveground Storage Tanks Containing Petroleum Products (1993).
- c) The Permittee shall immediately contain, report and remediate any spill of hydrocarbon or other deleterious substances in accordance with the approved Spill Contingency Plan and Emergency Response Plan. Contaminated materials shall be disposed of in a manner acceptable to the Regional Waste Manager, Ministry of Environment, Lands and Parks.
- d) The District Inspector shall be notified in the event of a spill, in addition to those agencies requiring notice under the Spill Notification Regulation of the **Waste Management Act**.
- e) Stationary engines and related drive mechanisms shall be provided with drip pans.
- f) An emergency spill containment kit shall be maintained on site whenever the quarry is in operation.

Reclamation Program

1. Reclamation Security

- a) The Permittee shall maintain with the Minister of Finance and Corporate Relations an additional security in the amount of Twenty-five Thousand dollars (\$25,000.00). A total security of Fifty Thousand dollars (\$50,000.00) will be held by the Minister of Finance and Corporate Relations for the proper performance of the approved program and all the conditions of this permit in a manner satisfactory to the Chief Inspector.
- b) The Permittee shall conform to all Ministry of Environment, Lands and Parks approval, licence and permit conditions, including Contaminated Sites and Special Waste regulations. Should the Permittee not conform to these conditions, then all or part of the security may be used to fulfil these requirements.

2. Land Use

The surface of the land and watercourses shall be reclaimed to the following land use: rural residential zoning potential and wildlife habitat.

3. Productivity

The level of land productivity to be achieved on reclaimed areas shall not be less than existed prior to mining on an average property basis, unless the Permittee can provide evidence which demonstrates, to the satisfaction of the Chief Inspector, the impracticality of doing so.

4. Long-term Stability

Land and permanent drainage features shall be left in a stable condition. To ensure long-term stability, engineered structures including waste dumps and sediment impoundments shall be constructed and maintained in accordance with Part 9 of the Code.

5. Revegetation

Land shall be revegetated to a self-sustaining state using appropriate plant species.

6. Use of Suitable Growth Medium

- a) On all lands to be revegetated, the growth medium shall satisfy land use, productivity, and water quality objectives. Topsoil, overburden (to rooting depth) and woody debris shall be removed from operational areas prior to any disturbance of the land and stockpiled separately on the property for use in reclamation programs, unless the Permittee can provide evidence which demonstrates, to the

satisfaction of the Chief Inspector, that reclamation objectives can otherwise be achieved.

- b) No topsoil shall be removed from the property without the specific written permission of the District Inspector.

7. Treatment of Structures and Equipment

Prior to abandonment, and unless the Chief Inspector has made a ruling otherwise, such as heritage project consideration or industrial use,

- a) all machinery, equipment and building superstructures shall be removed,
- b) concrete foundations shall be covered and revegetated unless, because of demonstrated impracticality, they have been exempted by the Inspector, and
- c) all scrap metal, garbage, and other debris shall be disposed of in a manner acceptable to the Inspector.

8. Waste Dumps/Residual Stockpiles

Waste dumps and residual stockpiles shall be reclaimed to ensure

- a) long-term stability,
- b) long-term erosion control,
- c) water quality released from waste rock dumps to the receiving environment is of a standard acceptable to the Chief Inspector, and
- d) land use and productivity objectives are achieved.

9. Watercourses

Watercourses and drainage structures shall be reclaimed to a condition that ensures:

- a) long-term water quality is maintained to a standard acceptable to the Chief Inspector,
- b) drainage is restored either to original watercourses or to new watercourses which will sustain themselves without maintenance, and

- c) use and productivity objectives are achieved and the level of productivity shall not be less than existed prior to mining unless the Permittee can provide evidence which demonstrates, to the satisfaction of the Chief Inspector, the impracticality of doing so.

10. Quarry Excavations

- a) Unconsolidated materials including stripping, fill slopes, residual stockpiles and waste dumps shall be contoured at a 2 H:1V overall slope or flatter.
- b) Rock faces shall be scaled, bolted, screened and/or otherwise made safe prior to abandonment.

11. Impoundment Structures

- a) All sediment ponds and impoundment structures shall be reclaimed to the approved land use.
- b) Prior to mine closure, a report shall be submitted to the Chief Inspector outlining the post-operational state of any dams, dikes, related seepage control works, spillway works, mine water department, and post-operational monitoring.

12. Roads

- a) All roads shall be reclaimed in accordance with land use objectives, unless permanent access is required to be maintained.
- b) Individual roads will be exempted from the requirement for total reclamation under condition 12(a) if either:
 - i) the Permittee can demonstrate that an agency of the Crown has explicitly accepted responsibility for the operation, maintenance and ultimate deactivation and abandonment of the road, or
 - ii) the Permittee can demonstrate that another private party has explicitly agreed to accept responsibility for the operation, maintenance and ultimate deactivation and abandonment of the road and has, in this regard, agreed to comply with all the terms and conditions, including bonding provisions, of this reclamation permit, and to comply with all other relevant provincial government (and federal government) regulatory requirements.

13. Disposal of Fuels and Toxic Chemicals

Fuels, chemicals or reagents which cannot be returned to the manufacturer/supplier are to be disposed of as directed by the Chief Inspector in compliance with municipal, regional, provincial and federal statutes.

14. Temporary Shutdown

If this mine ceases operation for a period longer than one year, the Permittee shall either continue to carry out the conditions of the permit or apply for an amendment setting out a revised program for approval by the Chief Inspector.

15. Monitoring

The Permittee shall undertake monitoring programs, as required by the District Inspector, to demonstrate that reclamation objectives including land use, productivity, water quality and stability of structures is being achieved.

16. Annual Report

By March 31 of each year, an annual reclamation report shall be submitted in a form and containing the information required by the Chief Inspector.

17. Permit Review

The Permittee shall continually develop and evaluate options for slope stability, water management, noise and dust control and reclamation and shall, on or before March 31, 2006, prepare and submit a revised five-year mine plan and reclamation program, and as soon as possible after that date the District Inspector may consider revisions to the permit. This shall not be construed as limiting the authority of the Chief Inspector to amend this permit at any time.

PROVINCE OF BRITISH COLUMBIA
MINISTRY OF ENERGY AND MINES

QUARRY PERMIT

APPROVING WORK SYSTEM AND RECLAMATION PROGRAM

(Issued pursuant to Section 10 of the **Mines Act** R.S.B.C. 1996, c. 293)

Permit: **Q-7-70**

Issued to: **Fraser Valley Properties
1024 Cole Road
Abbotsford, British Columbia
V3G 1T2**

for work located at the:

**Fraser Valley Properties
Upper Sumas Mountain Road, Fraser Valley Regional District**

NE ¼ Section 5 Township 20 New Westminster District

Issued at Victoria, British Columbia this 16th day of May in the year 2001.



F.W. Hermann, P.Eng.
Chief Inspector of Mines

PREAMBLE

Notice of intention to commence work on a quarry was submitted on behalf of Fraser Valley Properties by Little Rock Quarries Inc., dated July 15, 1999, was received by the District Inspector on July 27, 1999. The submission included a plan of the proposed work system and a program for the protection and reclamation of the surface of the land and watercourses affected by the work in accordance with Section 10(6) of the **Mines Act** and the Health, Safety and Reclamation Code for Mines in British Columbia (Code). Notice of such filing was published in the Abbotsford News on August 17, 1999 and in the Gazette on August 19, 1999.

The following reports and letters are considered to be addendums to the application, and collectively constitute part of the application:

- a) Wildlife/Vegetation Overview - Sumas Mountain Mine, Scott Resource Services Inc., December 20, 1999.
- b) Hydrogeological Report of Proposed Rock Quarry NE ¼ Section 5, Township 20, Sumas Mountain - David Neale of Morrow Environmental Consultants, January 28, 2000.
- c) Vegetation and Wildlife Assessment for Proposed Sumas Mountain Gravel Mine, Abbotsford, B.C. - Scott Resource Services Inc., May 2000.
- d) Letter Report from David Neale, Morrow Environmental Consultants responding to MELP questions on January hydrology report, October 10, 2000.
- e) Letter Report from David Neale, Morrow Environmental Consultants further responding to MELP questions on January hydrology report, December 18, 2000.
- f) Letter Report by Duncan Ventures - Noise and Dust Control and Seismic Vibration Control, January 12, 2001.
- g) Letter from O. Barry Holmes - Noise and Dust Control, January 11, 2001

This permit contains the requirements of the Ministry of Energy and Mines (MEM) for reclamation. It also is compatible, to the extent possible, with the requirements of other provincial ministries for reclamation issues. The amount of security required by this permit and the manner to which this security may be applied, will also reflect the requirements of those ministries. However, nothing in this permit limits the authority of other provincial ministries, federal departments or other government agencies to set other conditions, or to act independently, under their respective permits and legislation.

Decisions made by staff of the Ministry of Energy and Mines will be made in consultation with other provincial ministries, federal departments and local government agencies.

CONDITIONS

The Chief Inspector of Mines (Chief Inspector) hereby approves the work system and the program for protection and reclamation of the land surface and watercourses subject to compliance with the following conditions:

General

1. Compliance with **Mines Act** and Code

All work shall be in compliance with all sections and parts of the **Mines Act** and Code, and the owner, agent or manager (herein called the Permittee) shall obey all orders issued by the Chief Inspector or his delegate.

2. Departure from Approval

The Permittee shall notify the Chief Inspector and the District Inspector in writing of any intention to depart from either the plan of the work system or the program for the protection and reclamation of the surface of the land and watercourses to any substantial degree, and shall not proceed to implement the proposed changes without the written authorization of the Chief Inspector.

Work System

1. Scope

This permit approves the July 15, 1999 mining plan for the proposed quarry.

2. Quarry Excavations

- (a) Other than access, no excavation or pit related disturbance shall occur within 5 metres of any property boundary.
- (b) All trees, vegetation and topsoil shall be removed within 2 metres of the rim of any working face. Overburden cut shall be backsloped at less than the natural angle of repose and revegetated.

3. Blasting

- (a) Blasting shall only be conducted by persons holding a valid Blasting Certificate issued pursuant to Part 8 of the Code.
- (b) Fly rock shall be controlled through proper blast design and, where necessary, with the appropriate use of blasting mats.
- (c) Blasting noise and seismic vibrations shall be minimized by good blasting practices as outlined in letter reports on Noise and Dust Control noted in Preamble above. All blasts shall be monitored for seismic and noise levels and detailed records for each blast shall be maintained.
- (d) Subject to obtaining homeowner consent, all homes within a 1000 metre radius of the operation shall be inspected, and the existing condition appraised by a qualified building inspector prior to start of mining activities.
- (e) Explosives shall not be stored on site without an Explosives Storage and Use Permit issued pursuant to Part 8 of the Code.

4. Noise and Dust

- (a) Flashing strobe lights shall be substituted for audible back-up alarms on all mobile loading equipment during operational hours of darkness, subject to obtaining the written approval of the Chief Inspector.
- (b) The Permittee shall continue to review, assess and, where practicable, implement options for attenuation of noise from processing plant operation, including screening and/or enclosure of plant equipment.
- (c) Water sprays and other dust suppression measures shall be implemented as necessary to control airborne dust emissions from the quarry property.

5. Safety

Operators of all haulage trucks operating out of the quarry shall be issued written safety instructions upon the first time entering the quarry.

Protection of the Land and Watercourses1. Buffer Zones

- (a) No surface disturbance associated with the quarry operation shall occur within a 30 metre setback of any watercourse or wetland, as defined in the Land Development Guidelines for the Protection of Aquatic Habitat.
- (b) The Permittee shall maintain environmental buffer zones as outlined in Wildlife and Vegetation reports.

2. Water Management and Sediment Control

- (a) Water management and sediment control facilities and procedures shall be developed and submitted to the District Manager for approval prior to start of quarry development.
- (b) There shall be no discharge of surface drainage from any disturbed area of the quarry to any wetland or stream. All run-off from active quarry areas shall be collected and directed to suitably sized settling ponds.
- (c) Overburden stockpiles shall be sloped to less than the natural angle of repose and shall be stabilized with an appropriate ground cover to control erosion.

3. Groundwater

- (a) Prior to commencing operations, baseline water quality shall be established at all domestic wells within a 1000 metre radius of the quarry activities, subject to obtaining the consent of the property owners. Parameters for analysis shall include: pH, TSS, TDS, alkalinity, nitrate, phosphate, heavy metals, and hydrocarbons. Static water levels shall also be recorded.
- (b) These wells shall be sampled quarterly for the baseline parameters. The sample schedule may be reassessed on the basis of the findings after one year of operation.

4. Wildlife Habitat and Sensitive Ecosystems

The Permittee shall, on or before December 31, 2001, submit a report to the District Inspector confirming the absence or presence of rare and endangered wildlife species, including red-legged frog breeding sites, mountain beaver burrows and rare or

endangered plant species, assessing the relative importance of any identified habitat in the context of all the available habitat on Sumas Mountain.

5. Fuel Handling/Spill Containment

- (a) Refueling operations shall not be carried out within 30 metres of any streams, wetlands or water management facility.
- (b) All fuel storage facilities shall be provided with secondary containment and shall be installed and maintained in accordance with the Canadian Council of Ministers of the Environment (CCME) Environmental Code of Practice for Aboveground Storage Tanks Containing Petroleum Products (1993).
- (c) The Permittee shall immediately contain, report and remediate any spill of hydrocarbon or other deleterious substances in accordance with the approved Spill Contingency Plan and Emergency Response Plan. Contaminated materials shall be disposed of in a manner acceptable to the Regional Waste Manager, Ministry of Environment, Lands and Parks.
- (d) The District Inspector shall be notified in the event of a spill, in addition to those agencies requiring notice under the Spill Notification Regulation of the **Waste Management Act**.
- (e) Stationary engines and related drive mechanisms shall be provided with drip pans.
- (f) An emergency spill containment kit shall be maintained on site whenever the quarry is in operation.

Reclamation Program

1. Reclamation Security

- (a) The Permittee shall cause to be deposited with the Minister of Finance and Corporate Relations, within 30 days of receipt of this permit, security in the amount of Twenty-five Thousand dollars (\$25,000.00). The security will be held by the Minister of Finance and Corporate Relations for the proper performance of the approved program and all conditions of this permit in a manner satisfactory to the Chief Inspector.

- (b) The Permittee shall conform to all Ministry of Environment, Lands and Parks approval, licence and permit conditions, including Contaminated Sites and Special Waste regulations. Should the Permittee not conform to these conditions, then all or part of the security may be used to fulfill these requirements.

2. Land Use

The surface of the land and watercourses shall be reclaimed to the following land use: rural residential zoning potential and wildlife habitat.

3. Productivity

The level of land productivity to be achieved on reclaimed areas shall not be less than existed prior to mining on an average property basis, unless the Permittee can provide evidence which demonstrates, to the satisfaction of the Chief Inspector, the impracticality of doing so.

4. Long-term Stability

Land and permanent drainage features shall be left in a stable condition. To ensure long-term stability, engineered structures including waste dumps and sediment impoundments shall be constructed and maintained in accordance with Part 9 of the Code.

5. Revegetation

Land shall be revegetated to a self-sustaining state using appropriate plant species.

6. Use of Suitable Growth Medium

- (a) On all lands to be revegetated, the growth medium shall satisfy land use, productivity, and water quality objectives. Topsoil, overburden (to rooting depth) and woody debris shall be removed from operational areas prior to any disturbance of the land and stockpiled separately on the property for use in reclamation programs, unless the Permittee can provide evidence which demonstrates, to the satisfaction of the Chief Inspector, that reclamation objectives can otherwise be achieved.
- (b) No topsoil shall be removed from the property without the written permission of the District Inspector.

7. Treatment of Structures and Equipment

Prior to abandonment, and unless the Chief Inspector has made a ruling otherwise, such as heritage project consideration or industrial use,

- (a) all machinery, equipment and building superstructures shall be removed,
- (b) concrete foundations shall be covered and revegetated unless, because of demonstrated impracticality, they have been exempted by the Inspector, and
- (c) all scrap metal, garbage, and other debris shall be disposed of in a manner acceptable to the Inspector.

8. Waste Dumps/Residual Stockpiles

Waste dumps and residual stockpiles shall be reclaimed to ensure

- (a) long-term stability,
- (b) long-term erosion control,
- (c) water quality released from waste rock dumps to the receiving environment is of a standard acceptable to the Chief Inspector, and
- (d) land use and productivity objectives are achieved.

9. Watercourses

Watercourses and drainage structures shall be reclaimed to a condition that ensures:

- (a) long-term water quality is maintained to a standard acceptable to the Chief Inspector,
- (b) drainage is restored either to original watercourses or to new watercourses which will sustain themselves without maintenance, and
- (c) use and productivity objectives are achieved and the level of productivity shall not be less than existed prior to mining unless the Permittee can provide evidence which demonstrates, to the satisfaction of the Chief Inspector, the impracticality of doing so.

10. Quarry Excavations

- (a) Unconsolidated materials including stripping, fill slopes, residual stockpiles and waste dumps shall be contoured at a 2 H:1 V overall slope or flatter.
- (b) Rock faces shall be scaled, bolted, screened and/or otherwise made safe prior to abandonment.

11. Impoundment Structures

- (a) All sediment ponds and impoundment structures shall be reclaimed to the approved land use.
- (b) Prior to mine closure, a report shall be submitted to the Chief Inspector outlining the post-operational state of any dams, dikes, related seepage control works, spillway works, mine water department, and post-operational monitoring.

12. Roads

- (a) All roads shall be reclaimed in accordance with land use objectives, unless permanent access is required to be maintained.
- (b) Individual roads will be exempted from the requirement for total reclamation under condition 12(a) if either:
 - (1) the Permittee can demonstrate that an agency of the Crown has explicitly accepted responsibility for the operation, maintenance and ultimate deactivation and abandonment of the road, or
 - (2) the Permittee can demonstrate that another private party has explicitly agreed to accept responsibility for the operation, maintenance and ultimate deactivation and abandonment of the road and has, in this regard, agreed to comply with all the terms and conditions, including bonding provisions, of this reclamation permit, and to comply with all other relevant provincial government (and federal government) regulatory requirements.

13. Disposal of Fuels and Toxic Chemicals

Fuels, chemicals or reagents which cannot be returned to the manufacturer/supplier are to be disposed of as directed by the Chief Inspector in compliance with municipal, regional, provincial and federal statutes.

14. Temporary Shutdown

If this mine ceases operation for a period longer than one year, the Permittee shall either continue to carry out the conditions of the permit or apply for an amendment setting out a revised program for approval by the Chief Inspector.

15. Monitoring

The Permittee shall undertake monitoring programs, as required by the District Inspector, to demonstrate that reclamation objectives including land use, productivity, water quality and stability of structures is being achieved.

16. Annual Report

By March 31 of each year, an annual reclamation report shall be submitted in a form and containing the information required by the Chief Inspector.

17. Permit Review

The Permittee shall continually develop and evaluate options for water management, noise and dust control and reclamation and shall, on or before March 31, 2006, prepare and submit a revised mine plan and reclamation program, and as soon as possible after that date the District Inspector may consider revisions to the permit. This shall not be construed as limiting the authority of the Chief Inspector to amend this permit at any time.

PROVINCE OF BRITISH COLUMBIA
MINISTRY OF ENERGY AND MINES

Quarry Permit, Amendment
APPROVING WORK SYSTEM AND RECLAMATION PROGRAM
(Issued pursuant to Section 10 of the *Mines Act*, R.S.B.C. 1996, c.293)

Permit: **Q-7-76**

Issued to: **Kirkness Pacific Holdings Ltd.**
6890 Lickman Road
Chilliwack, British Columbia
V2R 4A9

for work located at the following property: **Parmenter Road Quarry (Cultus Lake)**

Located at: **NTS: 092H/04E:092G/01W**


Lat: 49°05'
Long: 122°00'

Legal Description: **District Lot 820, Group 2, New Westminster District, PID 013-087-073.**

Access: **Cultus Lake Road to Parmenter Road to Vedder Mountain Forest Service Road.**

This Approval and Permit are subject to the appended conditions.

Issued this **28th** day of **June**, in the year **2004**.


F. W. Hermann, P. Eng.
Chief Inspector of Mines

PREAMBLE

Notice of intention to amend the existing quarry permit Q-7-76, dated **November 12, 2002**, including a plans of the proposed work system, and a program for the protection and reclamation of the surface of the land and watercourses affected by the work dated **November 12, 2002** was filed with the District Inspector on **August 6, 2003**.

Submitted plans and reports include:

- Notice of Work Document dated July 17, 2003 signed by Bryan Kirkness, Owner Operator
- Sediment Control report and structure design, as prepared by Environmental Consultants Ltd (Keith H, Gagne, B.A.Sc., P. Eng)
- Effect of Blasting on Slope Stability of Vedder Mountain, from Proposed Quarry Development, near Chilliwack, BC, as prepared by Chehalis Consulting Ltd (Raveen R. Singh, P. Eng. Geotechnical Engineer,.)
- Mine Plans and Sections prepared by TMR Surveys, of Chilliwack .

This permit contains the requirements of the Ministry of Energy and Mines for reclamation. It is also compatible, to the extent possible, with the requirements of other provincial ministries for reclamation issues. The amount of security required by this permit, and the manner in which this security may be applied, will also reflect the requirements of those ministries. Nothing in this permit, however, limits the authority of other provincial ministries to set other conditions, or to act independently, under their respective permits and legislation.

In addition this Permit may contain conditions resulting from comments received by referral agencies, the Public, the Public meeting held February 24, 2004, Cultus Lake Park Board, and the Written Submission received from Johnathon, P. Stamp, B.Sc, MRM RBio , Environmental Reseacher and Planner for the Sto:lo Nation.

Decisions made by staff of the Ministry of Energy and Mines have been made in consultation with other ministries.

CONDITIONS

The Chief Inspector of Mines (Chief Inspector) hereby approves the work plan and the program for protection and reclamation of the land surface and watercourses subject to compliance with the following conditions:

1. Reclamation Security
 - (a) The owner, agent or manager (herein called the Permittee shall maintain with the Minister of Finance securities in the amount of Twenty one Thousand Eight Hundred Dollars (\$21,800). The security will be held by the Minister of Finance for the proper performance of the

approved program and all the conditions of this permit in a manner satisfactory to the Chief Inspector.

(b) The Permittee shall conform to all Ministry of Water, Land & Air Protection approval licence and permit conditions, as well as requirements under the **Wildlife Act**. Should the Permittee not conform to these conditions, then all or part of the security may be used to fulfill these requirements.

2. Land Use

The surface of the land and watercourses shall be reclaimed to the following land use: **Housing Development**

3. Productivity

The level of land productivity to be achieved on reclaimed areas shall not be less than existed prior to mining on an average property basis unless the Permittee can provide evidence, which demonstrates, to the satisfaction of the Chief Inspector, the impracticality of doing so.

4. Revegetation

Land shall be revegetated to a self-sustaining state using appropriate plant species.

5. Use of Suitable Growth Medium

(a) On all lands to be revegetated, the growth medium shall satisfy land use, productivity, and water quality objectives. Topsoil and overburden (to rooting depth) shall be removed from operational areas prior to any disturbance of the land and stockpiled separately on the property for use in reclamation programs, unless the Permittee can provide evidence which demonstrates, to the satisfaction of the Chief Inspector, that reclamation objectives can otherwise be achieved.

(b) No topsoil shall be removed from the property without the specific written permission of the District Inspector.

5. Buffer Zones and Berms

Buffer zones and/or berms may be established between the mine and the property boundary if required by an Inspector.

7. Structures and Equipment

Prior to abandonment, and unless the Chief Inspector has made a ruling otherwise, such as heritage project consideration or industrial use,

- (a) all machinery, equipment and building superstructures shall be removed,
- (b) concrete foundations shall be covered and revegetated unless, because of demonstrated impracticality, they have been exempted by the Inspector, and
- (c) all scrap material shall be disposed of in a manner acceptable to the Inspector.

6. Watercourses

- (a) Watercourses shall be reclaimed to a condition that ensures:
 - (i) long-term water quality is maintained to a standard acceptable to the Chief Inspector,
 - (ii) drainage is restored either to original watercourses or to new watercourses which will sustain themselves without maintenance, and
 - (iii) use and productivity objectives are achieved and the level of productivity shall not be less than existed prior to mining unless the Permittee can provide evidence which demonstrates, to the satisfaction of the Chief Inspector, the impracticality of doing so.
- (b) Water which flows from disturbed areas shall be collected and diverted into settling ponds.

7. Roads

- (a) All roads shall be reclaimed in accordance with land use objectives unless permanent access is required to be maintained.
- (b) Individual roads will be exempted from the requirement for total reclamation under condition 9(a) if either:
 - (i) the Permittee can demonstrate that an agency of the Crown has explicitly accepted responsibility for the operation, maintenance and ultimate deactivation and abandonment of the road, or
 - (ii) the Permittee can demonstrate that another private party has explicitly agreed to accept responsibility for the operation, maintenance and ultimate deactivation and abandonment of the road and has, in this regard, agreed to comply with all the terms and conditions, including bonding provisions, of this reclamation

permit, and to comply with all other relevant provincial government (and federal government) regulatory requirements.

8. Disposal of Fuels and Toxic Chemicals

Fuels, chemicals or reagents which cannot be returned to the manufacturer or supplier are to be disposed of as directed by the Chief Inspector in compliance with municipal, regional, provincial and federal statutes.

9. Temporary Shutdown

If this quarry ceases operation for a period longer than one year the Permittee shall either continue to carry out the conditions of the permit or apply for an amendment setting out a revised program for approval by the Chief Inspector.

10. Safety Provisions

All safety and other provisions of the *Mines Act* shall be complied with to the satisfaction of the Chief Inspector.

11. Monitoring

The Permittee shall undertake monitoring programs, as required by the Inspector, to demonstrate that reclamation objectives are being achieved.

12. Alterations to the Program

Substantial changes to the program must be submitted to the Chief Inspector for approval.

13. Notice of Closure

Pursuant to Part 10.5.1 of the Health, Safety and Reclamation Code for Mines in British Columbia, a Notice of Completion of Work shall be filed with the Inspector not less than seven days prior to cessation of work.

14. Special Conditions

- (a) Maximum production shall not exceed 245,000 Tonnes in a calendar year..
- (b) Pit access shall be gated, and provided with signage indicating the operator's name, address, telephone number and appropriate safety advisories.
- (c) A ditching system and settling ponds shall be established to capture runoff from the quarry area and promote settling of sediment before any water is released to the downstream environment and Hatchery Creek. Prior to increasing production the owner,

agent or manager shall forward to the inspector an as built plan of sediment control structures signed by a registered Professional Engineer, along with a signed statement indicating the structure meets the guidelines established by Fisheries and Oceans Canada (DF0)

- (d) The owner agent or manager shall undertake a water quality control monitoring program as follows. Water samples shall be taken on Hatchery Creek at a site upstream from the quarry three times a year , Spring, Summer and Fall. Similar samples shall be taken at the same time below the discharge point of the quarry settling ponds. These samples shall be taken for two consecutive years and the lab results shall be kept on file by the manager. Water quality tests shall include suspended solids, at both locations, and hydrocarbons and nitrates below the settling pond discharge. At the conclusion of the two years the Manager may apply to the inspector for a reduction in the frequency of testing.
- (e) Oil and fuel spills shall be cleaned up immediately and disposed of in an appropriate manner. An oil or fuel spill reportable under the Transportation of Dangerous Goods Act, shall be considered a Dangerous Occurrence under the Health, Safety, and Reclamation Code for Mines in British Columbia.
- (f) Blasting:
- Blasts shall be designed to not exceed a ground movement of 50 millimeters per second (ppv) and 120 Db l overpressure, and measured at the east property boundary.
 - The Manager shall conduct blast monitoring at the east property boundary, and shall maintain the monitor results and a blast log for each blast detonated. These records shall be made available to an inspector on request.
 - A sign shall be established at the Quarry Access stating the time and date of the scheduled blast.
 - At the completion of one full year of operation the Manager shall have a Geo Technical evaluation undertaken of the North Slope of Vedder Mountain. This evaluation shall determine the effects, if any of the stability of the North Slope. Acopy of the report prepared by a registered Professional Engineer (registered in British Columbia) shall be forwarded to the Inspector.

- (g) Truck Transport.

The Manager shall ensure all trucks leaving the site are tarped prior to leaving the scale house. In addition the Manager shall take all reasonable measures to schedule off site transport such that peak traffic flows along the Columbia Valley Highway are avoided.

Prior to commencing operations on the increased tonnages, the Manager shall forward to the Inspector a timetable for completing the Ministry of Transports requirement for the improvements at the Columbia Valley and Parmenter Road Intersection.

(h) Hours of Work

Hours of work shall be Monday to Saturday from 7am to 4pm, with the following exceptions.

- Off site haul trucks shall be loaded such that they can be off site prior to 4 pm each workday.
- There shall be no off site haulage on Statuary Holidays during the peak season, May 1 to September 30 each year.
- Light maintenance work and equipment set up is permitted outside of the hours of work specified in this section. No work shall be conducted on Sunday's or Statutory Holidays.
- Nothing in this section prevents the owner agent or manager from operating the quarry, or transporting material off site outside of the specified hours of work, in the event of an emergency, as declared by an agency having the authority to do so. No does anything in this section prevent the operator from carry out such work as may be necessary, outside of the permitted hours of work, to mitigate a safety concern or environmental emergency on site.

- (i) The operator shall conform to all environmental guidelines as established in the **Aggregate Operators Best Management Practices Handbook for British Columbia**. (2002 Edition)

Ph: (250) 952-0732

August 6, 2003

Mr. Bryan Kirkness
Kirkness Pacific Holdings Ltd.
6890 Lickman Road
Chilliwack, BC V2R 4A9

Dear Mr. Kirkness:

Re: Amendment to Permit Q-7-76: Parmenter Road Quarry

As requested in your letter of June 27, 2003, your permit Q-7-76 is hereby amended to allow the removal of the remaining 20,000 tonnes of broken rock currently stored on site.

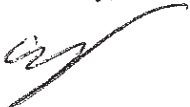
This letter constitutes an amendment to your permit and must be attached to it. All conditions of the permit remain in force except as noted in this amendment.

Conditions:

1. Special condition 16.(a) is amended to authorize the removal of approximately 20,000 tonnes of broken material already on site. This extraction is approved until December 31, 2003.
2. Work shall be conducted during daylight hours only, and in compliance with the Health, Safety, and Reclamation Code for Mines in British Columbia, Part 1, section 1.5.1, governing hours of work.
3. There shall be no extraction and shipping of rock on Saturdays, Sundays or any Statutory Holiday.
4. Oversize may be broken by blasting as required. Suitable notification shall be given to residents within a 1 kilometer radius. All blasting shall be conducted to limit air blast, overpressure to 120 Dbl.

Should you have any questions or concerns, please contact me.

Yours truly,



E. Taje
Inspector of Mines

ET:ch

PROVINCE OF BRITISH COLUMBIA
MINISTRY OF ENERGY AND MINES

QUARRY PERMIT
APPROVING WORK SYSTEM AND RECLAMATION PROGRAM

(Issued pursuant to Section 10 of the *Mines Act*, R.S.B.C. 1996, c.293)

Permit: **Q-7-76**

Issued to: **Kirkness Pacific Holdings Ltd.**
6890 Lickman Road
Chilliwack, British Columbia
V2R 4A9

for work located at the following property: **Parmenter Road Quarry (Cultus Lake)**

Located at: **NTS: 092H/04E:092G/01W**

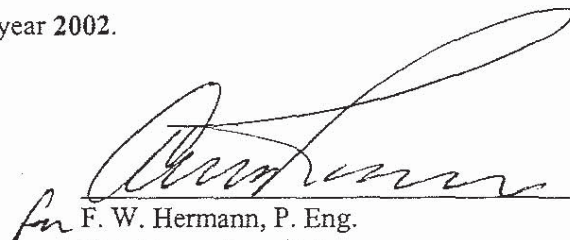
Lat: 49°05'
Long: 122°00'

Legal Description: **District Lot 820, Group 2, New Westminster District, PID 013-087-073.**

Access: **Cultus Lake Road to Parmenter Road to Vedder Mountain Forest Service Road.**

This Approval and Permit are subject to the appended conditions.

Issued this **12th** day of **November** in the year **2002**.


for **F. W. Hermann, P. Eng.**
Chief Inspector of Mines

PREAMBLE

Notice of intention to commence work on a quarry, including a plan of the proposed work system and a program for the protection and reclamation of the surface of the land and watercourses affected by the work dated **November 12, 2002** was filed with the District Inspector on **November 12, 2002**. The requirement to publish notice of such filing in the local newspaper and Gazette has been waived.

This permit contains the requirements of the Ministry of Energy and Mines for reclamation. It is also compatible, to the extent possible, with the requirements of other provincial ministries for reclamation issues. The amount of security required by this permit, and the manner in which this security may be applied, will also reflect the requirements of those ministries. Nothing in this permit, however, limits the authority of other provincial ministries to set other conditions, or to act independently, under their respective permits and legislation.

Decisions made by staff of the Ministry of Energy and Mines will be made in consultation with other ministries.

CONDITIONS

The Chief Inspector of Mines (Chief Inspector) hereby approves the work plan and the program for protection and reclamation of the land surface and watercourses subject to compliance with the following conditions:

1. Reclamation Security

Reclamation security for this permit has been waived.

2. Land Use

The surface of the land and watercourses shall be reclaimed to the following land use:
industrial.

3. Productivity

The level of land productivity to be achieved on reclaimed areas shall not be less than existed prior to mining on an average property basis unless the Permittee can provide evidence which demonstrates, to the satisfaction of the Chief Inspector, the impracticality of doing so.

4. Revegetation

Land shall be revegetated to a self-sustaining state using appropriate plant species.

5. Use of Suitable Growth Medium

- (a) On all lands to be revegetated, the growth medium shall satisfy land use, productivity, and water quality objectives. Topsoil and overburden (to rooting depth) shall be removed from operational areas prior to any disturbance of the land and stockpiled separately on the property for use in reclamation programs, unless the Permittee can provide evidence which demonstrates, to the satisfaction of the Chief Inspector, that reclamation objectives can otherwise be achieved.
- (b) No topsoil shall be removed from the property without the specific written permission of the District Inspector.

6. Buffer Zones and Berms

Buffer zones and/or berms shall be established between the mine and the property boundary unless exempted in writing by the District Inspector.

7. Treatment of Structures and Equipment

Prior to abandonment, and unless the Chief Inspector has made a ruling otherwise, such as heritage project consideration or industrial use,

- (a) all machinery, equipment and building superstructures shall be removed,
- (b) concrete foundations shall be covered and revegetated unless, because of demonstrated impracticality, they have been exempted by the Inspector, and
- (c) all scrap material shall be disposed of in a manner acceptable to the Inspector.

8. Watercourses

- (a) Watercourses shall be reclaimed to a condition that ensures:
 - (i) long-term water quality is maintained to a standard acceptable to the Chief Inspector,
 - (ii) drainage is restored either to original watercourses or to new watercourses which will sustain themselves without maintenance, and
 - (iii) use and productivity objectives are achieved and the level of productivity shall not be less than existed prior to mining unless the Permittee can provide evidence which demonstrates, to the satisfaction of the Chief Inspector, the impracticality of doing so.
- (b) Water which flows from disturbed areas shall be collected and diverted into settling ponds.

9. Roads

- (a) All roads shall be reclaimed in accordance with land use objectives unless permanent access is required to be maintained.
- (b) Individual roads will be exempted from the requirement for total reclamation under condition 9(a) if either:
 - (i) the Permittee can demonstrate that an agency of the Crown has explicitly accepted responsibility for the operation, maintenance and ultimate deactivation and abandonment of the road, or
 - (ii) the Permittee can demonstrate that another private party has explicitly agreed to accept responsibility for the operation, maintenance and ultimate deactivation and abandonment of the road and has, in this regard, agreed to comply with all the terms and conditions, including bonding provisions, of this reclamation permit, and to comply with all other relevant provincial government (and federal government) regulatory requirements.

10. Disposal of Fuels and Toxic Chemicals

Fuels, chemicals or reagents which cannot be returned to the manufacturer or supplier are to be disposed of as directed by the Chief Inspector in compliance with municipal, regional, provincial and federal statutes.

11. Temporary Shutdown

If this quarry ceases operation for a period longer than one year the Permittee shall either continue to carry out the conditions of the permit or apply for an amendment setting out a revised program for approval by the Chief Inspector.

12. Safety Provisions

All safety and other provisions of the *Mines Act* shall be complied with to the satisfaction of the Chief Inspector.

13. Monitoring

The Permittee shall undertake monitoring programs, as required by the District Inspector, to demonstrate that reclamation objectives are being achieved.

14. Alterations to the Program

Substantial changes to the program must be submitted to the District Inspector for approval.

15. Notice of Closure

Pursuant to Part 10.5.1 of the Health, Safety and Reclamation Code for Mines in British Columbia, a Notice of Completion of Work shall be filed with the District Inspector not less than seven days prior to cessation of work.

16. Special Conditions

- (a) This permit authorizes the removal of approximately 30,000 tonnes of aggregate materials already crushed and stockpiled on the noted property. Some additional crushing of existing stockpiles of broken rock is approved. Duration of this extraction program is November 15, 2002 to July 15, 2003.
- (b) Topsoil shall not be removed from site and shall be stockpiled for pit reclamation purposes.
- (c) Pit access shall be gated and provided with signage indicating the operator's name, address, telephone number and appropriate safety advisories.
- (d) A ditching system and settling ponds shall be established to capture runoff from the quarry area and promote settling of sediment before any water is released to the downstream environment and Hatchery Creek.
- (e) Fuel and oils shall be delivered to the site by mobile tankage. Oil and fuel spills shall be cleaned up immediately and disposed of in an appropriate manner.

11/08/2002 14:17

250-751-7373

MEM MINING NANAIMO

PAGE 23789

RECEIVED

NOV 12 2002

The information on this form and any supporting documents are subject to the Freedom of Information and Protection of Privacy Act. The information requested on this form is collected and used for the purpose of administering the Mines Act & Health, Safety and Reclamation Code for Mines in British Columbia. The Mines Act of British Columbia also authorizes the collection of the requested information on this form. The completed form is routinely available to the public. Questions about how the Freedom of Information and Protection of Privacy Act applies to the information collected on this form can be directed to the Mines Branch at 250-852-0482; fax 250-852-0481 or write to: PO Box 9320, 8th Fl., Victoria, British Columbia, V8W 0N3.

Application is for: ☐ Sand and Gravel Mine☒ Rock Quarry

This application is for (check one):

☒ Development requiring a permit☐ Amendment to existing permit☐ Renewal/update of existing 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 BRYAN KIRKNESSCompany (if applicable) KIRKNESS PACIFIC HOLDINGS LTD.Address 6890 LICKMAN RDCity CHILLIWACKBus. Phone (604) 858-6919Province BCPostal Code V2R 4A9Fax (604) 858-9047

LOCATION INFORMATION - Maps are mandatory under Schedule A

Name of Mine (What will the operation be called when in production?): KIRKNESS PACIFIC QUARRYLegal Description of Property: Block 820 Group 2 New Westminster District

Street Address of Property, if applicable: _____

Access route from nearest town to property: Parmington Forest Service Road -> Cuthbert Hwy.

B.C. Geographic System Map Sheet Number(s) (i.e. TRIM 093L 005) _____

Northing: _____

Easting: _____

UTM Zone: _____

NTS Map Sheet Number(s) (i.e. NTS 093L/14E): 092H/01E, 092G/01WLatitude: 49° 5' 11" NLongitude: 122° 9' 11" 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: _____

License of Occupation/Lease number: _____

Expiry date of Licence/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

and/or

☐ Operator/Agent

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

Name: BRYAN KIRKNESSBus. Phone: (604) 858-6919

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. The Mines Branch will not compensate for aggregate resources lost through discovery of cultural heritage 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 Mines Branch.

2) **Soil Conservation**

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

Average depth of topsoil (Surface to maximum rooting depth of plants, plus 15 cm): N/A cm, or _____ m

Measures to stabilize soil/overburden stockpiles and control noxious weeds: N/A

Topsoil must be conserved for reclamation of the mine site.

Removal of topsoil from the site requires written approval of the District 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 Licence?

☒ No

☐ Yes - state the TFL number: _____

Name of TFL holder: _____

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: Resource Extraction

Current land use zoning for the site is: same

Proposed end land use is: Industrial

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 10.6.4 of the Health Safety and Reclamation Code for Mines in British Columbia (hereafter referred to as the Code):

NO RECLAMATION REQUIRED PERMIT FOR
REMOVAL OF GRAVEL STOCKPILES.

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
Developer for INDUSTRIAL SITE.

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

Unless otherwise required by the District 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): NOV 22/02Proposed finish date (y/m/d): NOV 22/02

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: 30,000 tonnes, or _____ m³Estimated annual extraction from site: 30,000 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):

Removal of 30000 t stockpile of gravel
off site

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

Type of Machine	Make/Model	Size/Capacity	# on Site
<u>As Required</u>			

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, un reclaimed areas, access roads, etc.) _____ m², or 2 hectaresProposed Mining Disturbance (New work areas, settling ponds, access roads, buildings, etc. to be developed within the time frame of this Notice of Work) Nil m², or _____ hectaresTotal Disturbed Area (Existing + Proposed Disturbance) _____ m², or 2 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 _____ hectares

Estimated Reclamation Security required:

Applicant \$ 0
 Mines Branch \$ _____

11/08/2002 14:17

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MEM MINING NANAIMO

PAGE 06/09

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?

N/A 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): N/ADescribe 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.): N/A*Note that excavations below the groundwater table may require special approval from the District Inspector*

Will fuel/lubricants be stored on site?

☒ No☐ YesIf 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 2 kmShortest distance between proposed excavation to nearest residential water source: _____ m, or 2 kmDescribe measures proposed to prevent inadvertent access of unauthorized persons on the mine site (i.e. fencing, vegetative barriers, berms, etc.): GATED ACCESS (locked)

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: Not Required

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: Not Required

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

☒ No☐ Yes - Please describe: Not Required**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 phoneLocation of nearest hospital: CHILLIWACKTravel time to hospital: 10 minEstimated number of employees on site (includes contractors): 2Describe First Aid Level and supplies: As RequiredI, BYRON KIRKNESS, 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

Byron Kirkness

Date

Nov 12/02

**LAND TITLE ACT
FORM A
(Section 185(1))**

34 NOV 2002 13 15

BT405264

Province of
British Columbia

FREEHOLD TRANSFER (This area for Land Title Office Use)

Page 1 of 1 pages

1. APPLICATION: (Name, address, phone number, and signature of applicant, applicant's solicitor or agent)
s.22

2.(a) PARCEL IDENTIFIER AND LEGAL DESCRIPTION OF LAND:
(PID) (Legal Description)
013-087-673 DL 820 Gp 2 NWD

(b) MARKET VALUE: \$

3. CONSIDERATION: \$

4. TRANSFEROR(S):* s.22

5. FREEHOLD ESTATE TRANSFERRED:* Fee Simple

6. TRANSFEREE(S): (including occupation(s), postal address(es) and postal code(s))
KIRKNESS PACIFIC HOLDINGS LTD. (Inc. No. 552614), of 6890 Lickman Road, Chilliwack,
BC V2R 4A9

7. EXECUTION(S):** The transferor(s) accept(s) the above consideration and understand(s) that this instrument operates to transfer the free hold estate in the land described above to the transferee(s).

Officers Signature(s)

Execution Date

Y	M	D
02	10	28

Party(ies) Signature(s)

s.22

(as to all signatures)

OFFICER CERTIFICATION:

Your signature constitutes a representation that you are a solicitor, notary public or other person authorized by the Evidence Act, R.S.B.C. 1996, c.124, to take Affidavits for use in British Columbia and certifies the matters set out in Part 3 of the Land Title Act as they pertain to the execution of this instrument.
If space insufficient, enter "SEE SCHEDULE" and attach schedule in Form E.
If space insufficient, continue executions on additional page(s) in Form D.

End of Document

Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources

APPROVAL OF WORK SYSTEM
AND
PERMIT
APPROVING RECLAMATION PROGRAM
SAND AND GRAVEL PITS AND QUARRIES

(Issued pursuant to the Mines Act)

Permit No. Q-7-14

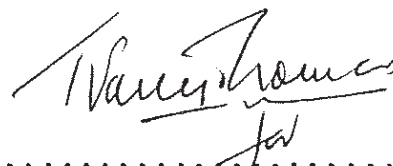
Issued to Ekset Contracting Ltd.
Address 3780 Mountain Highway
North Vancouver, B.C. V7K 2J1

for work at the operation located on land described as follows:
NE ¼ Section, 1, TWP 18, lying east of Sylvester Road,
excepting Plan 55998, Plan 68855 and Plan 59106, NWL
Reference Plan #10850, Property #000-992-691.

The registered owner of the land is s.22
Address s.22
.....

This approval and permit is issued pursuant to Sections 6,7,8,9,
10 and 11 of the Mines Act and is subject to the appended
conditions.

Issued this 15 day of September in the year 1986



Chief Inspector of Mines

PREAMBLE

1. Notice of intention to commence work was given on August 1, 1986
2. A report and plan of the work system dated August 29, 1986 was filed with the Chief Inspector of Mines on September 8, 1986.
3. A program for the protection and reclamation of the surface of the land and watercourses affected by the mine dated August 29, 1986 was filed with the Minister on September 8, 1986.
4. Notice of such filing was published in the Mission News on August 13, 1986 and in the Gazette on August 14, 1986.

APPROVAL

The Chief Inspector of Mines hereby approves the report and plan of the work system and approves the program for protection and reclamation of the surface of the land and watercourses affected by the mine subject to compliance with the following conditions:

1. The owner, agent or manager shall not depart from the report and plan of the work system to any substantial degree without the written approval of the Chief Inspector of Mines.
2. The owner, agent or manager shall deposit as security with the Chief Inspector of Mines the amount of *****Four Thousand***** dollars (\$4,000.00----) within thirty days of issuance of this Permit. The security shall be held by the Chief Inspector of Mines for the proper performance of the approved program and all the conditions of this permit in a manner satisfactory to the Chief Inspector of Mines. The owner, agent or manager shall maintain this security until no longer required to do so by the Chief Inspector of Mines.
3. The owner, agent or manager shall comply with the program for the protection and reclamation of the surface of the land and watercourses affected by the mine as follows:
 - a. Topsoil and Overburden - Topsoil and overburden (to rooting depth) must not be removed from the property but shall be removed from operational areas prior to any disturbance of land, and is to be stockpiled separately on the property. When it can be shown that the topsoil is not required for the reclamation program, permission to remove it from the property may be obtained from the Inspector, who, if he so approves, will grant such permission in writing.

NOTE: On Crown Land, the authorization for removal and use of topsoil off the mine property must be obtained under the Land Act from the Ministry of Lands, Parks and Housing prior to such removal and use.

b. Protection and Reclamation of Watercourses - Watercourses within or immediately adjacent to the operation are to be protected against pollution. If necessary, watercourses should be suitably diverted. Upon termination of operations, the watercourses are to be reclaimed to as close to their original condition as is practicable.

NOTE: Approval must be obtained from the Ministry of Environment, Water Management Branch, prior to work in or about a stream.

c. Erosion Control - Water which flows from disturbed areas shall be collected and diverted into settling ponds.

d. Buffer Zones and Berms - At the discretion of an Inspector, buffer zones and/or berms may be required between the mine and the property boundary to alleviate the effects of noise and dust.

e. Continual and Progressive Reclamation - The surface of the land shall be continually and progressively reclaimed.

f. The land shall be left in a condition satisfactory to the Chief Inspector of Mines according to the following:

- i) Unconsolidated material such as pit banks, berms, benches, hummocks, waste dumps and refuse piles shall be revegetated. Recontouring and covering the slopes with a suitable growth medium may be required.
- ii) All buildings and equipment must be removed from the site.
- iii) Concrete foundations and slabs may be left intact but must be covered with overburden and revegetated.
- iv) Roads shall be ripped and covered with overburden and revegetated.
- v) A permanent system of drainage control must be established.

4. Notice of Closure - Pursuant to Section 6, Mines Act, not less than seven days prior to cessation of work, a report of work done and reclamation completed shall be filed with the Inspector of Mines and Resident Engineer.

SPECIAL CONDITIONS:

NOTE: This permit applies only to the requirements under the Mines Act. Other legislation may be applicable to the mining operations, and this permit in no way abrogates the responsibility of the permittee under such other legislation.

PH: 755-2486
FAX: 755-2474
File: 14675-30

April 25, 1989

DOUBLE REGISTERED

Mr. A. Teske
Ekset Contracting Ltd.
3780 Mountain Highway
North Vancouver, B.C.
V7K 2J1

Dear Sir:

Re: Cancellation of Reclamation Permit Q-7-14
Pursuant to the Mines Act
Property: Sylvester Road Quarry and Sand & Gravel Pit

Further to your letter to you dated November 1, 1989, we asked you to post additional securities in the amount of \$5,000.00.

On March 14, 1989, you were informed by double registered mail that you had failed to comply with this request and were given notice pursuant to Section 11 of the Mines Act to remedy this failure within fourteen (14) days.

Pursuant to Section 11 of the Mines Act, I hereby cancel the issuance of Reclamation Permit Q-7-14.

Yours truly,

R. Bone, P. Eng.
Inspector of Mines
and Resident Engineer

RB/kw



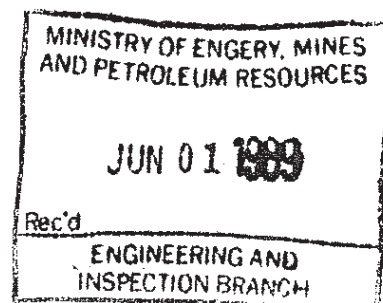
Province of
British Columbia

Ministry of
Energy, Mines and
Petroleum Resources

1A, 3411 Shenton Road
Vancouver
British Columbia
V9T 2H1

PH: 755-2486
FAX: 755-2474
FILE: 14675-20

May 19, 1989



Mr. A. Teske
Ekset Contracting Ltd.
3780 Mountain Highway
North Vancouver, B.C.
V7K 2J1

Dear Sir:

Re: Cancellation of Reclamation Permit Q-7-14
(Amendment September 15, 1989)
Property: Sylvester Road Quarry and Sand & Gravel Pit

Further to my letter to you dated April 25, 1989, the
cancellation of Permit Q-7-14 only applies to the amended
permit dated November 1, 1988.

Yours truly,

R. Bone, P. Eng.
Inspector of Mines
and Resident Engineer

RB/kw

cc Carol Howell, Reclamation Branch, Victoria



Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources

APPROVAL OF WORK SYSTEM
AND
PERMIT
APPROVING RECLAMATION PROGRAM
SAND AND GRAVEL PITS AND QUARRIES
(Issued pursuant to the *Mines Act*)

Permit No. Q-7-14 (Amendment of Permit dated September 15, 1986)

Issued to Ekset Contracting Ltd.

Address 3780 Mountain Highway
North Vancouver, B. C. V7K 2J1

for work at the operation located on land described as follows:

NE 1/4 Section 1. Twp. 18 Lying east of A part of the NE 1/4 Section 1, TWP 18
Sylvester Road, excepting Plan 55998, Plan & lying west of Sylvester Road, excepting
68855, Plan 59106, NWF Reference Plan #10850 Plan 55998 and Plan 10850, New Westminster
Land District, 8 miles east of Mission
and Property # 000-992-691

The registered owner of the land is

s.22

Address

This approval and permit is issued pursuant to sections 6, 7, 8, 9, 10 and 11 of the *Mines Act* and is subject to the appended conditions.

Issued this 1st day of November in the year 1988

R. Bone

for R. W. McGinn Chief Inspector of Mines

PERMIT APPROVING RECLAMATION PROGRAM

The Chief Inspector of Mines hereby approves the program for protection and reclamation of the surface of the land and watercourses affected by the mine subject to compliance with the following conditions:

1. The owner, agent or manager shall conform to the "Guide to Development of Sand and Gravel Pits and Quarries Under the *Mines Act*".
2. The owner, agent or manager shall deposit as security with the Chief Inspector of Mines the amount of an additional amount of \$5,000 making amount of a total amount of Nine Thousand dollars (\$ 9,000.00) within thirty days of issuance of this permit. The security shall be held by the Chief Inspector of Mines for the proper performance of the approved program and all the conditions of this permit in a manner satisfactory to the Chief Inspector of Mines. The owner, agent or manager shall maintain this security until no longer required to do so by the Chief Inspector of Mines.
3. The owner, agent or manager shall comply with the program for the protection and reclamation of the surface of the land and watercourses affected by the mine as follows:

- a. Topsoil and Overburden — Topsoil and overburden (to rooting depth) must not be removed from the property but shall be removed from operational areas prior to any disturbance of the land, and is to be stockpiled separately on the property. When it can be shown that the topsoil is not required for the reclamation program, permission to remove it from the property may be obtained from the Inspector, who, if he so approves, will grant such permission in writing.

NOTE: On Crown land, the authorization for removal and use of topsoil off the mine property must be obtained under the *Land Act* from the Ministry of Forests and Lands prior to such removal and use.

- b. Protection and Reclamation of Watercourses — Watercourses within or immediately adjacent to the operation are to be protected against pollution. If necessary, watercourses should be suitably diverted. Upon termination of operations, the watercourses are to be reclaimed to as close to their original condition as is practicable.

NOTE: Approval must be obtained from the Ministry of Environment and Parks, Water Management Branch, prior to work in or about a stream.

- c. Erosion Control — Water which flows from disturbed areas shall be collected and diverted into settling ponds.
- d. Buffer Zones and Berms — At the discretion of an Inspector, buffer zones and/or berms may be required between the mine and the property boundary to alleviate the effects of noise and dust.
- e. Continual and Progressive Reclamation — The surface of the land shall be continually and progressively reclaimed.
- f. The land shall be left in a condition satisfactory to the Chief Inspector of Mines according to the following:
 - i) Unconsolidated material such as pit banks, berms, benches, hummocks, waste dumps and refuse piles shall be revegetated. Recontouring and covering the slopes with a suitable growth medium may be required.
 - ii) All buildings and equipment must be removed from the site.
 - iii) Concrete foundations and slabs may be left intact but must be covered with overburden and revegetated.
 - iv) Roads shall be ripped and covered with overburden and revegetated.
 - v) A permanent system of drainage control must be established.

4. Notice of Closure — A report of reclamation shall be filed with the Inspector not less than seven days prior to cessation of work, and this shall accompany the notice required under section 6, *Mines Act*.

The owner, agent or manager, or an inspector may apply to the Chief Inspector of Mines for revision of the conditions of this permit, and if he so decides, the Chief Inspector may revise the conditions.

5. See Conditions of Amendment of Permit Q-7-14 #1 and #2 on attached sheet.

NOTE: This permit applies only to the requirements under the *Mines Act*. Other legislation may be applicable to the mining operations, and this permit in no way abrogates the responsibility of the permittee under such other legislation.

5. CONDITIONS OF AMENDMENT OF PERMIT Q-7-14

1. Conditions to include those of the previous permit.
2. The pit shall be worked pursuant to the following:
 - (a) Order of the Ministries of Agriculture and Fisheries, pursuant to Section 4 of the Soil Conservation Act dated July 5, 1988. Schedule A Pages 1, 2 and 3 dated June 29, 1988
 - (b) Precautions outlined by Ministry of Environment and Parks in letter dated April 6, 1987.
 - (c) Precautions outlined by Federal Fisheries and Oceans in letter dated April 9, 1987.

October 21, 1994

File: 14675-30

Mr. Art Teske
Ekset Contracting Ltd.
3780 Mountain Highway
North Vancouver, B. C.
V7K 2J1

Dear Sir:

Re: Mine Permit Q-7-14 - Sylvester Road Quarry

This is in reference to our site meeting of October 20, 1994 regarding installation of crushing and screening facilities at the above quarry.

Please be advised that approval is granted to install a crusher and screening plant subject to the following conditions:

- (1) Initial siting of the plant shall be on the existing loading area on the north side of Scorey Creek, and east of Sylvester Road.
- (2) A sound reducing berm of approximate height of 6 to 8 metres shall be provided on the west side of the plant to reduce noise levels. Berm material shall be composed of overburden, crushed rock or other suitable materials available on site.
- (3) The existing tree screen buffer alongside Sylvester Road shall be maintained to provide a visual and sound barrier.
- (4) Operating hours shall be as per the Regional Districts' Bylaw.

2.....

Page 2...

- (5) In addition, the site trailer is approved for mine security purposes, first-aid, lunchroom, office and wash facilities for the quarry operation . The trailer shall meet the applicable Health and Safety Regulations.

These conditions form part of Permit Q-7-14.

Yours truly,



E.W. Beresford, P. Eng.
District Manager & Engineer

EWB/gp

c.c. Dewdney Alouette Regional District.



February 13, 1998

File No.: 14675-30WL-QU-EKSE
Permit No.: Q-7-14

Ekset Contracting Ltd.
10200 Sylvester Road, R.R.#3
Mission, British Columbia
V2V 4J1

Fraser Valley Aggregates Ltd.
17341 56th Ave
Surrey BC V3S 1C2

Attention: Mr. Arthur Teske

Dear Sir:

Re: Application for Mines Act Approval
Property: Sylvester Road Quarry

Your work proposal has been reviewed by all concerned agencies and has been approved according to the information outlined in your Notice of Work form dated December 8, 1997.

You may commence work at your convenience, subject to the terms and conditions contained in the attached amendment to your Reclamation Permit.


You are requested to supply this office with a set of photographs showing the condition of your work sites prior to commencing work and at the completion of your work program. Please include a description of the photographs. These photos will assist in evaluating the reclamation work.

You are reminded that you are required to comply with all the provisions of the Mines Act and Mines Code.

You are also required, pursuant to Part 6.1.6, Health, Safety and Reclamation Code for Mines in British Columbia, to provide notice to me one week prior to cessation of your work. Please complete the enclosed Notice of Completion form and return it to this office at the end of the work program.

Please advise this office of any change to your proposed work program.

Yours truly,


A. H. Ludwig, P.Eng.
District Manager/Engineer

AHL/plf

Enc.

PROVINCE OF BRITISH COLUMBIA
MINISTRY OF EMPLOYMENT AND INVESTMENT
ENERGY AND MINERALS DIVISION

QUARRY PERMIT
APPROVING WORK SYSTEM AND RECLAMATION PROGRAM
(Issued pursuant to Section 10 of the Mines Act, R.S.B.C. 1996, c.293)

Permit: Q-7-14 (Amendment to permit dated September 15, 1986.)

Issued to: Ekset Contracting Ltd.
10200 Sylvester Road, R.R.#3
Mission, British Columbia
V2V 4J1

for work located at the following property: Sylvester Road Quarry


Located at: NTS: 92G/01E
Lat: 049°11' 17"
Long: 122°13' 54"

Legal description: Northeast Quarter Section 1, Township 18, lying East of Sylvester Road, excepting Plans 55998, 68855 and 59106, New Westminster District.

Access: From Mission; 4 miles east on No. 7 Highway then 4 miles North on Sylvester Road.

This Approval and Permit is subject to the appended conditions.

Issued this 13th day of February in the year 1998.

For 
F. W. Hermann, P. Eng.
Chief Inspector of Mines

PREAMBLE

An application to amend permit Q-7-14, including a plan of the proposed work system and a program for the protection and reclamation of the surface of the land and watercourses affected by the work dated December 8, 1997, was filed with the District Inspector on December 22, 1997.

This permit contains the requirements of the Ministry of Employment and Investment for reclamation. It is also compatible, to the extent possible, with the requirements of other provincial ministries for reclamation issues. The amount of security required by this permit, and the manner in which this security may be applied, will also reflect the requirements of those ministries. Nothing in this permit, however, limits the authority of other provincial ministries to set other conditions, or to act independently, under their respective permits and legislation.

Decisions made by staff of the Ministry of Employment and Investment will be made in consultation with other ministries.

CONDITIONS

The Chief Inspector of Mines (Chief Inspector) hereby approves the work plan and the program for protection and reclamation of the land surface and watercourses subject to compliance with the following conditions:

1. Reclamation Security

- (a) The owner, agent or manager (herein called the Permittee) shall maintain with the Minister of Finance and Corporate Relations securities in the amount of **Four Thousand dollars (\$4,000.00)**. The security will be held by the Minister of Finance and Corporate Relations for the proper performance of the approved program and all the conditions of this permit in a manner satisfactory to the Chief Inspector.
- (b) The Permittee shall conform to all forest tenure requirements of the Ministry of Forests. Should the Permittee not conform to these requirements then all or part of the security may be used to cover the costs of these requirements.
- (c) The Permittee shall conform to all Ministry of Environment, Lands and Parks approval, licence and permit conditions, as well as requirements under the **Wildlife Act**. Should the Permittee not conform to these conditions, then all or part of the security may be used to fulfill these requirements.

2. Land Use

The surface of the land and watercourses shall be reclaimed to the following land use: **residential**.

3. Productivity

The level of land productivity to be achieved on reclaimed areas shall not be less than existed prior to mining on an average property basis unless the Permittee can provide evidence which demonstrates, to the satisfaction of the Chief Inspector, the impracticality of doing so.

4. Revegetation

Land shall be revegetated to a self-sustaining state using appropriate plant species.

5. Use of Suitable Growth Medium

(a) On all lands to be revegetated, the growth medium shall satisfy land use, productivity, and water quality objectives. Topsoil and overburden (to rooting depth) shall be removed from operational areas prior to any disturbance of the land and stockpiled separately on the property for use in reclamation programs, unless the Permittee can provide evidence which demonstrates, to the satisfaction of the Chief Inspector, that reclamation objectives can otherwise be achieved.

(b) No topsoil shall be removed from the property without the specific written permission of the District Inspector.

6. Buffer Zones and Berms

Buffer zones and/or berms shall be established between the mine and the property boundary unless exempted in writing by the District Inspector.

7. Treatment of Structures and Equipment

Prior to abandonment, and unless the Chief Inspector has made a ruling otherwise, such as heritage project consideration or industrial use,

(a) all machinery, equipment and building superstructures shall be removed,

(b) concrete foundations shall be covered and revegetated unless, because of demonstrated impracticality, they have been exempted by the Inspector, and

(c) all scrap material shall be disposed of in a manner acceptable to the Inspector.

8. Watercourses

- (a) Watercourses shall be reclaimed to a condition that ensures
 - (i) long-term water quality is maintained to a standard acceptable to the Chief Inspector,
 - (ii) drainage is restored either to original watercourses or to new watercourses which will sustain themselves without maintenance, and
 - (iii) use and productivity objectives are achieved and the level of productivity shall not be less than existed prior to mining unless the Permittee can provide evidence which demonstrates, to the satisfaction of the Chief Inspector, the impracticality of doing so.
- (b) Water which flows from disturbed areas shall be collected and diverted into settling ponds.

9. Roads

- (a) All roads shall be reclaimed in accordance with land use objectives unless permanent access is required to be maintained.
- (b) Individual roads will be exempted from the requirement for total reclamation under condition 9(a) if either:
 - (i) the Permittee can demonstrate that an agency of the Crown has explicitly accepted responsibility for the operation, maintenance and ultimate deactivation and abandonment of the road, or
 - (ii) the Permittee can demonstrate that another private party has explicitly agreed to accept responsibility for the operation, maintenance and ultimate deactivation and abandonment of the road and has, in this regard, agreed to comply with all the terms and conditions, including bonding provisions, of this reclamation permit, and to comply with all other relevant provincial government (and federal government) regulatory requirements.

10. Disposal of Fuels and Toxic Chemicals

Fuels, chemicals or reagents which cannot be returned to the manufacturer or supplier are to be disposed of as directed by the Chief Inspector in compliance with municipal, regional, provincial and federal statutes.

11. Temporary Shutdown

If this quarry ceases operation for a period longer than one year the Permittee shall either continue to carry out the conditions of the permit or apply for an amendment setting out a revised program for approval by the Chief Inspector.

12. Safety Provisions

All safety and other provisions of the **Mines Act** shall be complied with to the satisfaction of the Chief Inspector.

13. Monitoring

The Permittee shall undertake monitoring programs, as required by the District Inspector, to demonstrate that reclamation objectives are being achieved.

14. Alterations to the Program

Substantial changes to the program must be submitted to the District Inspector for approval.

15. Notice of Closure

Pursuant to Part 10.5.1 of the Health, Safety and Reclamation Code for Mines in British Columbia, a Notice of Completion of Work shall be filed with the District Inspector not less than seven days prior to cessation of work.

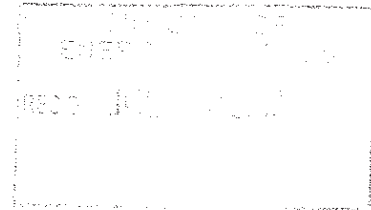
16. Special Conditions

- (a) Approval is for Phase 1 only.
- (b) Runoff from the site shall be suitably controlled to prevent any siltation from leaving the property.
- (c) The Permittee shall obtain all necessary approvals from other agencies.
- (d) All previous conditions apply.

July 3, 2007

File: 14675-30-0700089

Mr. Dave Vernon
Ekset Contracting Ltd.
10200 Sylvester Road
Mission BC V2V 4J1



Dear Mr. Vernon:

Re: Amendment of Reclamation Permit Q-7-14, Quarry: Sylvester Road

Your Notice of Work and Reclamation Program, dated February 22, 2007, has been reviewed and found to be acceptable. Your attention is drawn to the conditions, which are an integral part of your permit. Note that your amended work program, as set out in the above noted Notice of Work, is also an integral part of your permit. Please attach this amendment to your permit. You are reminded not to depart from your authorized work system to any substantial degree without the written approval of the Chief Inspector of Mines.

Please ensure that you and all persons who are carrying out activities in accordance with this permit comply with all terms and conditions of the permit and are familiar with the permitted work program. Documentation and training of employees are imperative in any duties that they assume.

This permit applies only to the requirements under the *Mines Act* and Health, Safety and Reclamation Code for Mines in British Columbia (Code). Other legislation, statutes, bylaws, etc. may be applicable to the operation and you (the Permittee) may be required to obtain approvals, permits or otherwise comply with them.

This permit amendment shall not be in effect until an additional reclamation security of \$16,000 (sixteen thousand dollars) is received, bringing the total security for this permit to \$20,000 (twenty thousand dollars). The security deposit may be one of the following:

1. Certified cheque payable to the Minister of Finance.
2. An Irrevocable Letter of Credit issued by a chartered bank, credit union or trust company, payable to the Minister of Finance and Corporate Relations. Please note the Letter of Credit must contain the following conditions.

It is a condition of this letter of credit that it shall be deemed to be automatically extended without amendment from year to year from the present or any future

.../2

expiration date hereof, unless at least thirty days prior to the present or any future expiration date, we notify you in writing by registered mail or courier, that we elect not to renew this letter of credit for any additional period.

3. A Safekeeping Agreement form executed by a chartered bank, credit union or trust company.

If you choose to use the Safekeeping Agreement, complete the form with your financial institution, using the "Instructions on Completing a Safekeeping Agreement" and return it to this office for our signature. A copy of the completed form will be returned to you and your financial institution. The security deposit may be adjusted on the basis of reclamation performance, field inspections by this Ministry, and on reports that may be requested.

Health and safety inspections fall under the jurisdiction of the Mining Division of the Ministry of Energy and Mines. A fee for this service is collected through the Mine Health and Safety Inspection Fee. The fee structure is based on annual production in metric tonnes for the period January 1st through December 31st. You will receive the remittance forms and a payment schedule in December of each year with payment due by January 31st of the new year.

For further information regarding the Health and Safety Inspection Fee, please contact your regional office or Trevor Miller at the Resource Revenue Branch in Victoria at (250) 952-0220.

When activity on the site is finished and reclamation completed, please forward a request for cancellation of permit and return of securities to this office.

Sincerely,



Ian Webster, P.Geo.
Inspector of Mines

Enclosures: Permit / Notice of Work
Letter dated June 14, 2000
Blasting Log and Record / Instructions in Use
Safekeeping Agreement / Instructions
Emergency Response Plan

✓ cc: Carol Howell, Reclamation and Permitting Section, Victoria

PROVINCE OF BRITISH COLUMBIA
MINISTRY OF ENERGY, MINES AND PETROLEUM RESOURCES

QUARRY PERMIT
APPROVING WORK SYSTEM AND RECLAMATION PROGRAM
(Issued pursuant to Section 10 of the **Mines Act** R.S.B.C. 1996, C.293)

Permit: **Q-7-14**

Mine No.: **0700089**

Issued to: **Ekset Contracting Ltd.**
10200 Sylvester Road
Mission BC V2V 4J1

for work located at the following property:

Sylvester Road

This approval and permit is subject to the appended conditions.

Issued September 15, 1986 and amended July 3, 2007.



Douglas E. Sweeney, P. Geo., M.Sc.
Chief Inspector of Mines

Act. Should the Permittee not conform to these conditions, then all or part of the security may be used to fulfill these requirements.

2. Land Use

The surface of the land and watercourses shall be reclaimed to the following land use: Residential or Forestry

3. Productivity

The level of land productivity to be achieved on reclaimed areas shall not be less than existed prior to mining on an average property basis unless the Permittee can provide evidence which demonstrates, to the satisfaction of the Chief Inspector, the impracticality of doing so.

4. Revegetation

Land shall be re-vegetated to a self-sustaining state using appropriate plant species.

5. Use of Suitable Growth Medium

(a) On all lands to be revegetated, the growth medium shall satisfy land use, productivity, and water quality objectives. Topsoil and overburden (to rooting depth) shall be removed from operational areas prior to any disturbance of the land and stockpiled separately on the property for use in reclamation programs, unless the Permittee can provide evidence which demonstrates, to the satisfaction of the Chief Inspector, that reclamation objectives can otherwise be achieved.

(b) No topsoil shall be removed from the property without the specific written permission of the Inspector of Mines.

6. Buffer Zones and Berms

Buffer zones and/or berms shall be established between the mine and the property boundary unless exempted in writing by the Inspector of Mines.

(b) Individual roads will be exempted from the requirement for total reclamation under condition 9(a) if either:

- (1) the Permittee can demonstrate that an agency of the Crown has explicitly accepted responsibility for the operation, maintenance and ultimate deactivation and abandonment of the road, or
- (2) the Permittee can demonstrate that another private party has explicitly agreed to accept responsibility for the operation, maintenance and ultimate deactivation and abandonment of the road and has, in this regard, agreed to comply with all the terms and conditions, including bonding provisions, of this reclamation permit, and to comply with all other relevant provincial government (and federal government) regulatory requirements.

10. Disposal of Fuels and Toxic Chemicals

Fuels, chemicals or reagents which cannot be returned to the manufacturer/supplier are to be disposed of as directed by the Chief Inspector in compliance with municipal, regional, provincial and federal statutes.

11. Temporary Shutdown

If this quarry ceases operation for a period longer than one year the Permittee shall either continue to carry out the conditions of the permit or apply for an amendment setting out a revised program for approval by the Chief Inspector.

12. Safety Provisions

All safety and other provisions of the **Mines Act** shall be complied with to the satisfaction of the Chief Inspector.

13. Monitoring

The Permittee shall undertake monitoring programs, as required by the Inspector of Mines, to demonstrate that reclamation objectives are being achieved.



Ministry of Energy and Mines

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

0700089

The information on this form and any supporting documents are subject to the *Freedom of Information and Protection of Privacy Act*. The information requested on this form is collected and used for the purpose of administering the *Mines Act & Regulations*, *Safety and Reclamation Code for Mines in British Columbia*. The *Mines Act* of British Columbia also authorizes the collection of the requested information on this form. The completed form is routinely reviewed in the public domain. *Questions about the Freedom of Information and Protection of Privacy Act* apply to the information collected on this form can be directed to the Information Access and Records Management Branch of the Ministry of Energy and Mines.

MINISTRY OF
ENERGY AND MINES

REC'D MAR 05 2007

Application is for: ☐ Sand and Gravel Mine ☒ Rock Quarry

This application is for (check one):

☐ Development ☒ Amendment to existing permit Permit # Q-7-14

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 DAVE VERNON E-mail Address: _____Company (if applicable) ERSET CONTRACTING LTDAddress 10200 SYLVESTER ROAD R.R.#3City MISSION Bus. Phone (604) 220-4677Province BC Postal Code V2V 4J1 Fax (604) 534-6325

LOCATION INFORMATION - Maps are mandatory under Schedule 4

Name of Mine (What will the operation be called when in production?) SYLVESTER ROAD QUARRYLegal Description of Property LOT 1 PLAN 55998 NE 1/4 SECTION 1 TWP 18 LYING EAST OF SYLVESTER ROAD NEW WESTMINSTER DISTRICT.

Street Address of Property, if applicable: _____

Access route from nearest town to property 7 kilometres East of Mission on Hwy #7 and 4 kilometres North on Sylvester RoadB.C. Geographic System Map Sheet Number(s) (i.e. TRIM 093: 008) 092 G/019Northing: 548,780 Easting: 556,000 UTM Zone: _____or NTS Map Sheet Number(s) (i.e. NTS 093U/14E) 92 G/01ELatitude: 49° 11' 20" Longitude: 122° 13' 50"

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 BRAELYNN ENTERPRISES LTD.Address 10200 SYLVESTER ROAD RR#3City MISSION Bus. Phone (604) 220-4677Province BC Postal Code V2V 4J1 Fax (604) 534-6325

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

Name: D. Binkley Date: Feb. 22/07

b) Proposed mine is on Crown land:

Assets and Lands Corporation (BCAL) file reference number: N/A

License of Occupation/Lease number: _____ Expiry date of Licence/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? N/A

Mineral Claim/Lease Tenure Number(s): _____

MANAGEMENT

Correspondence regarding this application should be sent to: ☐ Owner or ☒ Operator/AgentThe mine manager (*Mines Act* Sections 21 and 22) responsible for management and operation of the mine will be:Name: DAVE VERNON Bus. Phone: (604) 220-4677

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): 50 cm. or 0.5 m

Average depth of topsoil (Surface to maximum rooting depth of plants plus 15 cm): 10 - 15 cm. or 0.1 - 0.15 m

Measures to stabilize soil/overburden stockpiles and control noxious weeds:

soil/overburden stockpiles will be contoured, bermed and seeded to grass - 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 Licence?

☒ No

☐ Yes - state the TFL number: _____

Name of TFL holder: _____

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: _____

Current land use zoning for the site is: _____

Proposed end land use is: RESIDENTIAL TERRACE DEVELOPMENT OR FORESTRY USE.

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 SITE WILL BE LEFT IN A SERIES OF EXCAVATED BENCHES & TERRACES SUITABLE FOR RESIDENTIAL DEVELOPMENT OR FORESTRY. TOPSOIL & OVERBURDEN MATERIAL PLACED OVER THE BENCH/TERRACE AREAS AND SEEDED TO GRASS. TREE BUFFER TO SYLVESTER ROAD TO REMAIN UNDISTURBED.

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.

SOIL/OVERBURDEN MATERIAL PLACED ON DISTURBED AREAS
FINAL OVERALL SLOPE OF QUARRY AT 1H:1V (45°)
OTHER SLOPES BACKSLOPED TO A 2H:1V (27°) MAX. SLOPE.

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): 2007/06/01

Proposed finish date (y/m/d): 2025/11/30

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: 3,275,000 tonnes, or 1,250,000 m³

Estimated annual extraction from site: 210,000 tonnes/yr or 80,000 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

☒ Crushing

☒ Mechanical Screening

☐ Washing - please complete Schedule B

☒ Blasting - please complete Schedule C

☒ Timber Clearing * - estimate volume of timber: 35,000 m³

PROPOSE TO USE
EXISTING QUARRY
EQUIPMENT

* 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).

PROPOSED TO EXCAVATE ROCK BY QUARRYING IN A SERIES OF BENCHES 10 METRE X 10 METRE.
DRILL & BLAST AS PER EXISTING QUARRY OPERATION.
MOBILE CRUSHING / SCREENING PLANT.
OPERATING HOURS 7:00 a.m. to 6:00 p.m. 5 days per week usual operation - loading from product stockpile on Sat as reqd.

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

Type of Machine	Make/Model	Size/Capacity	# on Site
EXCAVATOR			1
FRONT END LOADER			2
DOZER		D.9	1
CRUSHING / SCREENING	MOBILE		1
GENERATOR SET		450 KW	1
GRIZZLY SCREEN			1

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, un reclaimed areas, access roads, etc.) 25,000 m², or 2.50 hectares

Proposed Mining Disturbance (New work areas, settling ponds, access roads, buildings, etc. to be developed within the time frame of the Notice of Work) 37,500 m², or 3.75 hectares

Total Disturbed Area (Existing + Proposed Disturbance) 65,500 m², or 6.55 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: 7,500 m², or 0.75 hectares

Estimated Cost of Reclamation:

Applicant \$ 2,000

Mining Division \$ _____

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

☒ No

☐ Yes - please complete Schedule B

 EXISTING SMALL SETTLING POND
 AT THE QUARRY (1986)

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

+ 50

ft. from quarry floor

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

☐ Existing area wells

☐ Test wells drilled for this purpose

☐ Test pits

☐ Other (describe): EXISTING QUARRY OPERATION

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.):

 EXCAVATIONS ALL ABOVE
 GROUND WATER TABLE. NO FUEL STORED ON SITE.

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 S.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: 300 m, or 0.3 km

Shortest distance between proposed excavation to nearest residential water source: 300 m, or 0.3 km

Describe measures proposed to prevent inadvertent access of unauthorized persons on the mine site (i.e. fencing, vegetative barriers, berms, etc.):

 SITE ACCESS WILL BE FROM THE EXISTING
 ENTRANCES (TWO) OFF SYLVESTER ROAD THROUGH THE
 EXISTING QUARRY. GATED & SIGNED TO PREVENT INADVERTENT ACCESS

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:

 PROPOSED TO CONSTRUCT A ROCK BERM AS PER EXISTING
 QUARRY & RETAIN A TREE BUFFER SCREEN FROM
 SYLVESTER ROAD.

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:

 PROVIDE WATER SPRAYS TO ROAD ENTRANCES AS REQD.
 RETAIN TREE/VEGETATION COVER AS WIND BREAKS, ROCK BERMS.

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

☐ No

☒ Yes - Please describe:

 RETAIN VEGETATIVE BUFFERS
 AND PROVIDE ROCK BERMS.

OCCUPATIONAL FIRST AID

First Aid Supplies and communication at the mine site are required as per Parts 3.8.1 to 3.8.3 of the Code.

Describe the means of communication from the mine site: LAND PHONE LINE & CELL PHONES

Location of nearest hospital:

Travel time to hospital: 15 minutes

Estimated number of employees on site (includes contractors): 2-6

Describe First Aid Level and supplies: WCB FIRST AID KIT & SUPPLIES IN SITE

OFFICE TRAILER & PICK-UP TRUCKS.

I, DAVE VERNON

 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:

Date: Feb 22 2007

Revised: 06/24/03

Schedule A

Maps and Cross Sections

Applications will be returned if not accompanied by legible and suitable maps

Schedule A1 (compulsory): Location map (1:50 000 scale)

Indicate the location of the property with respect to local communities

Schedule A2 (compulsory): Local Features map (1:20 000 scale - TRIM map)

Map should show topography, water courses, existing access and/or proposed new or upgraded access, the location of proposed mining area, and location (if known) of historical/cultural resources. If applicable, locate the boundaries of Forest Land Reserves and Agricultural Land Reserves on the map

Schedule A3 (compulsory): Land Title map

The subject parcel and adjacent properties must be clearly identified and the following items detailed:

- location of all structures and walls within 300 metres of proposed mining area
- identify current land uses on adjoining properties (i.e. forested, chicken farm, etc.)

Schedule A4: Mineral Tenure map (at scale maintained by Mineral Titles Branch for subject area)

Mineral Tenure map(s) are required if quarrying a mineral (as defined under the Mineral Tenure Act)

Schedule A5: Terrain/geology and Terrain Stability Map (1:20,000 scale)

Terrain map(s) are required:

- for excavations on slopes greater than 50%, and/or
- for excavations in areas with a stability rating of Class IV or V; or
- if requested by the Inspector

The Inspector may require a "Detailed Terrain Stability Assessment" and/or a "Soil Erosion Hazard Assessment".

Schedule A6 (compulsory): Mine Development Plan at 1:5,000 or more detailed scale

The District Inspector may require a mine plan to be prepared by a suitable qualified P Eng/Geol based on a topographical site survey, terrain stability and erosion hazard assessments

All plans and sections must indicate the scale and orientation of the drawing (please refer to attached sample)

1) Plan View of Proposed Development

Must illustrate the location of:

- Property boundaries and setback of excavation from property boundary
- Watercourses and drainages (wet, dry or intermittent) on the property and within 150 metres of its boundaries
- All previous surface workings, the final boundaries of proposed excavation, and boundaries of excavation at the end of development described in Notice of Work (please specify on drawing)
- Access roads, including development roads within the pit and access to public road(s)
- All proposed and existing stockpiles (i.e. topsoil, overburden, product, etc.)

Where applicable, show location of:

- All settling ponds (for both surface run off and process water) and source of process water
- Buildings and other facilities (i.e. fuel/lubricant storage, sanitary facilities, weigh scale, etc.)
- sediment control structures and the location of any point discharges from the property
- Fencing, berms, and/or vegetative buffers

1) Cross Sections of Proposed Development

At least two cross sections, orientated perpendicular to each other, must be provided

The location of cross sections must be shown on the plan view map(s). Cross sections must illustrate:

- The original land surface and, if applicable, the groundwater table elevation
- Typical configuration during mining, indicating angle of slope and where applicable, bench locations
- Proposed configuration on completion of reclamation

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 300 m, or 0.3 km

Shortest distance between blasting operations to nearest water well 300 m, or 0.3 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: WESTERN EXPLOSIVES LTD.

Blaster's Certificate # #2013 SURFACE BLASTING

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: ANFO

• detonation method: —

• type of explosives magazine: —

• blasting procedure (public notification, on-site safeguards, timing, etc.): —

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: [Signature]

Date

FEB 22 2007

EKSET CONTRACTING LTD.

EXTENSION to SYLVESTER ROAD QUARRY

MINE PERMIT Q-7-140

MISSION, B. C.

WORK SYSTEM

and

RECLAMATION PROGRAM

**Lot 1, Plan 55998, NE 1/4 Section 1, Township 18,
Lying East of Sylvester Road, New Westminster District**

**Eric W. Beresford, P.Eng.
Mining Consultant
February 28, 2007**

Extension to Sylvester Road Quarry, Mission
comprising 8.3 hectares

Introduction

This report and accompanying mining and reclamation plans and sections are submitted as per Part 10.0 of the Mines Act, and Part 6.0 of the Health, Safety and Reclamation Code for Mines in British Columbia, for approval to extend the existing Sylvester Road Quarry (Mine Permit Q-7-14) into Lot 1, Plan 55998, NE 1/4 Sec. 1, Twp 18 lying East of Sylvester Road, New Westminster District.

The report and plans also form part of the application for a Soil Removal Permit to the Fraser Valley Regional District. The plans illustrate the excavation and removal of rock by quarrying in a series of benches over Lot 1 as a continuation of the existing quarry.

The Sylvester Road quarry was originally permitted by the Ministry of Energy & Mines in September 1986 and amended in February 1998. The existing quarry supplies rock aggregate for the construction industry including road and dyke maintenance and new projects.

Property

The extension as proposed comprises approximately 8.3 hectares (20.7 acres) and is situated immediately to the north of the existing quarry and under the same land-ownership. There are two existing access entrances into the existing quarry and it is proposed to use the existing road allowance r.o.w. Plan 59106 into Lot 1 for access. A four wheel drive/dozer road runs along the common boundary with the quarry and provides access to the bench terraces. No new access or entrance is required from Sylvester Road for the development as planned. The site is covered by trees and a buffer of trees and natural vegetation will be retained along Sylvester Road. Selective logging has taken place over the past 40 years, including most recent logging in 1996/97.

Geology

The rock is medium to coarse grained quartz diorite composed typically of 60-70% plagioclase feldspar, 15-30% quartz, 5-10% biotite and minor amounts of orthoclase feldspar and hornblende. No pyrite or other sulphides have ever been noted. The site is part of a much larger crystalline intrusive body within the Coast Crystalline Complex. No significant faults or shears are known to exist. Some till and gravelly slopewash deposits occur but are shallow in depth. A thin topsoil covers parts of the site.

Rock Reserves

The site has been divided into two mining phases for development, and matches into the existing quarry, and benching system. Estimated in-situ rock reserves have been calculated as follows based on the submitted mine plan:

Phase 1	700,000 cubic metres	1,855,000 tonnes
Phase 2	550,000 cubic metres	1,457,000 tonnes
<hr/>		
Total	1,250,000 cubic metres	3,312,000 tonnes

A tonnage factor of 2.65 tonnes per cubic metre was used in calculating the reserves. Estimated rock production is 80,000 cu.metres per year.

Mining and Reclamation Plan

The mining plan is based on continuing the current practice of using either an 8 metre by 8 metre or 10 metre by 10 metre bench system, but leaving terraces of approximately 40 metres in width upon completion of quarrying. These terraces will then be suitable for other uses or reclaimed to grasses and trees, depending on land use zoning at the time of completion.

Conventional drilling and blasting will be employed as is currently practiced. As higher benches are reached the broken rock will be bulldozed over successive benches to the processing area. A 4 x 4 and dozer access road will be carried to each bench elevation as progress continues but no haul road as such will be provided. Explosives storage magazines are currently in place under existing permits on Sylvester Quarry. The broken rock after blasting and dozing is loaded out by a Front End loader with an Excavator assisting and keeping the workings face clear of loose debris. A mobile crushing and screening plant is brought onto the quarry as required to process the rock into various product sizes of aggregate. Larger rocks called rip-rap rock is produced as a dyke and river bank protection for the Lower Mainland area..

In addition to a natural vegetation and tree buffer being maintained alongside Sylvester Road a berm of rock/overburden material will be constructed parallel to the buffer and continuing from the existing quarry. This berm reduces noise, dust and vibration to the surrounding area. All soils and loose overburden material will be excavated off the solid rock and stockpiled in berms and sloped stockpiles on the site for future use in reclamation of the site after mining.

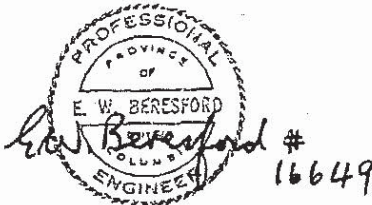
Berms, stockpiles and any reclaimed areas will be seeded to grass to prevent erosion and green up the disturbed areas. Water run-off from the site will be collected by a collector ditch and diverted into the existing settling pond for settlement prior to entering the road ditch system.

Summary

The extension to the existing Sylvester Road quarry will provide a good supply of rip-rap rock and aggregates to serve the local area with the minimum disturbance and without any significant environmental effects. At the production rate as planned of approximately 80,000 cu.metres per year, the subject property will provide between 15 to 20 years of rock supply based on the current mine development plan.

Quarrying experience at the Sylvester Road quarry over the past 20 years has shown the rock strata to be strong and free of any geological structures which might contribute to stability problems.

The benching design is conservative from a geo-technical point of view with an average overall slope of 45 degrees, giving a stable land form during and after mining development is completed.



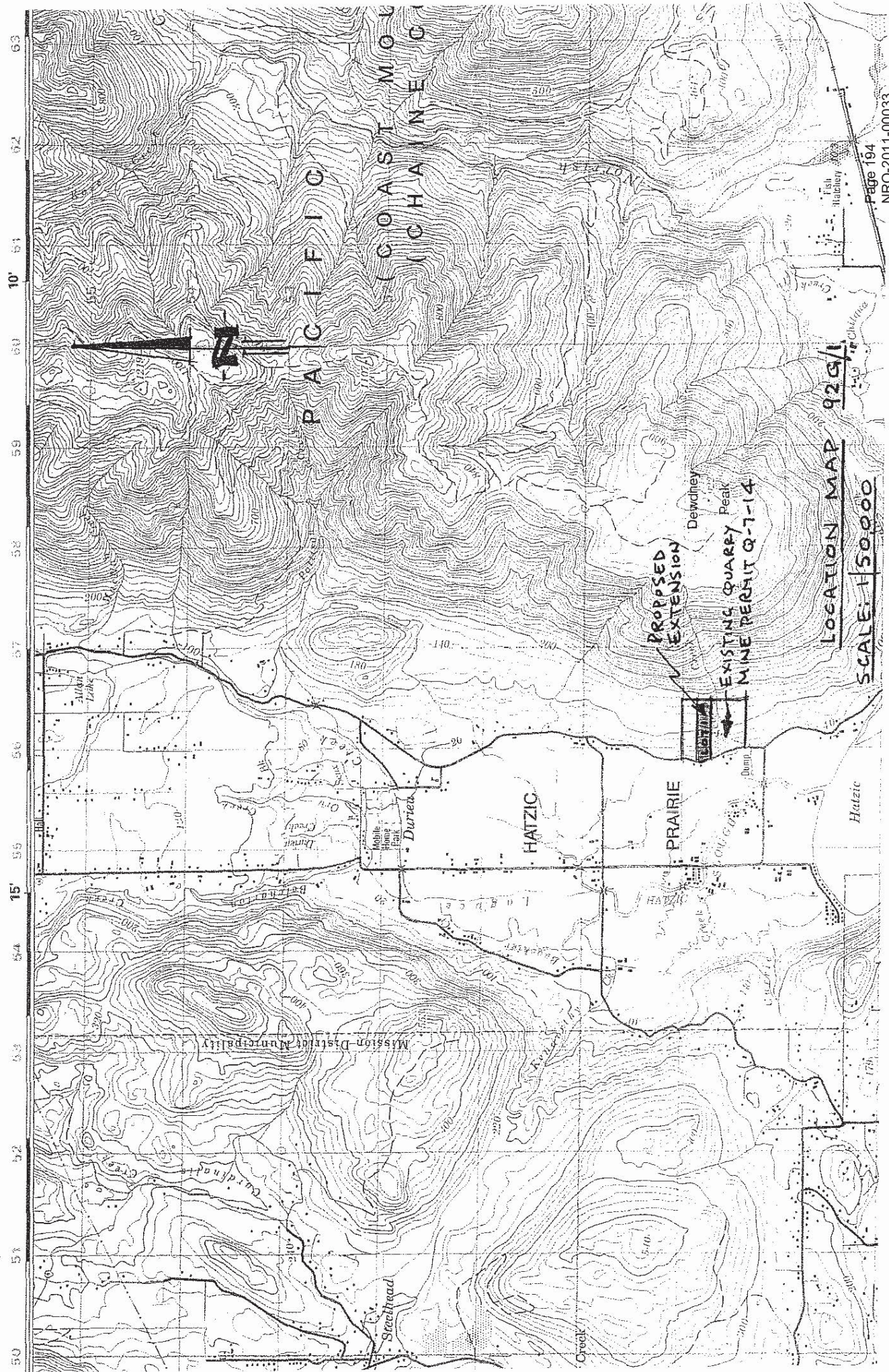
Eric W. Beresford, P. Eng.
Mining Consultant
February 28, 2007

City of Mission

92 G/1

MISSION

1/50 000



555 000

556 000

557 000

558 000

22°15'00"

122°14'00"

122°13'00"

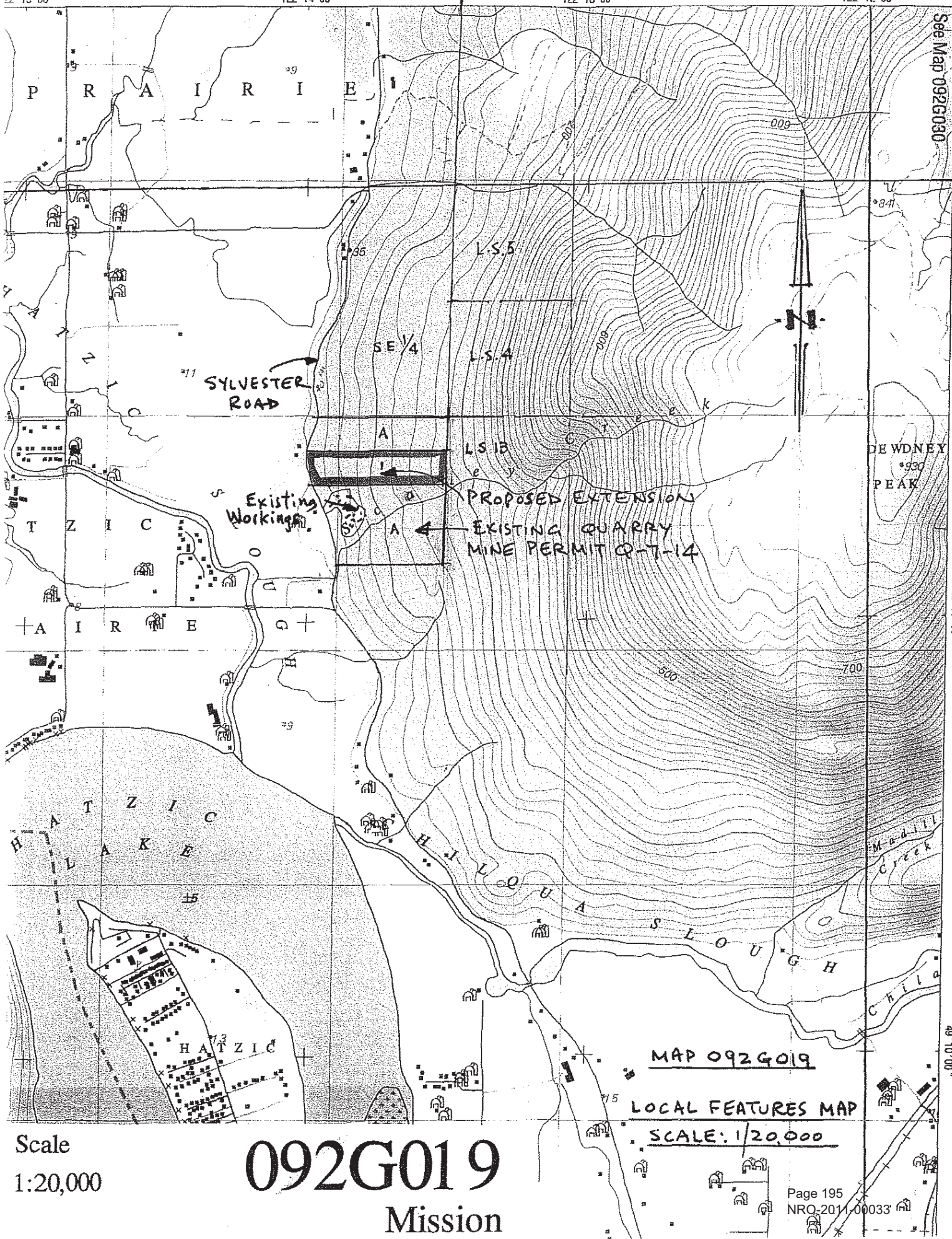
122°12'00"

See Map 092G030

49°12'00"

49°11'00"

49°10'00"



Scale
1:20,000

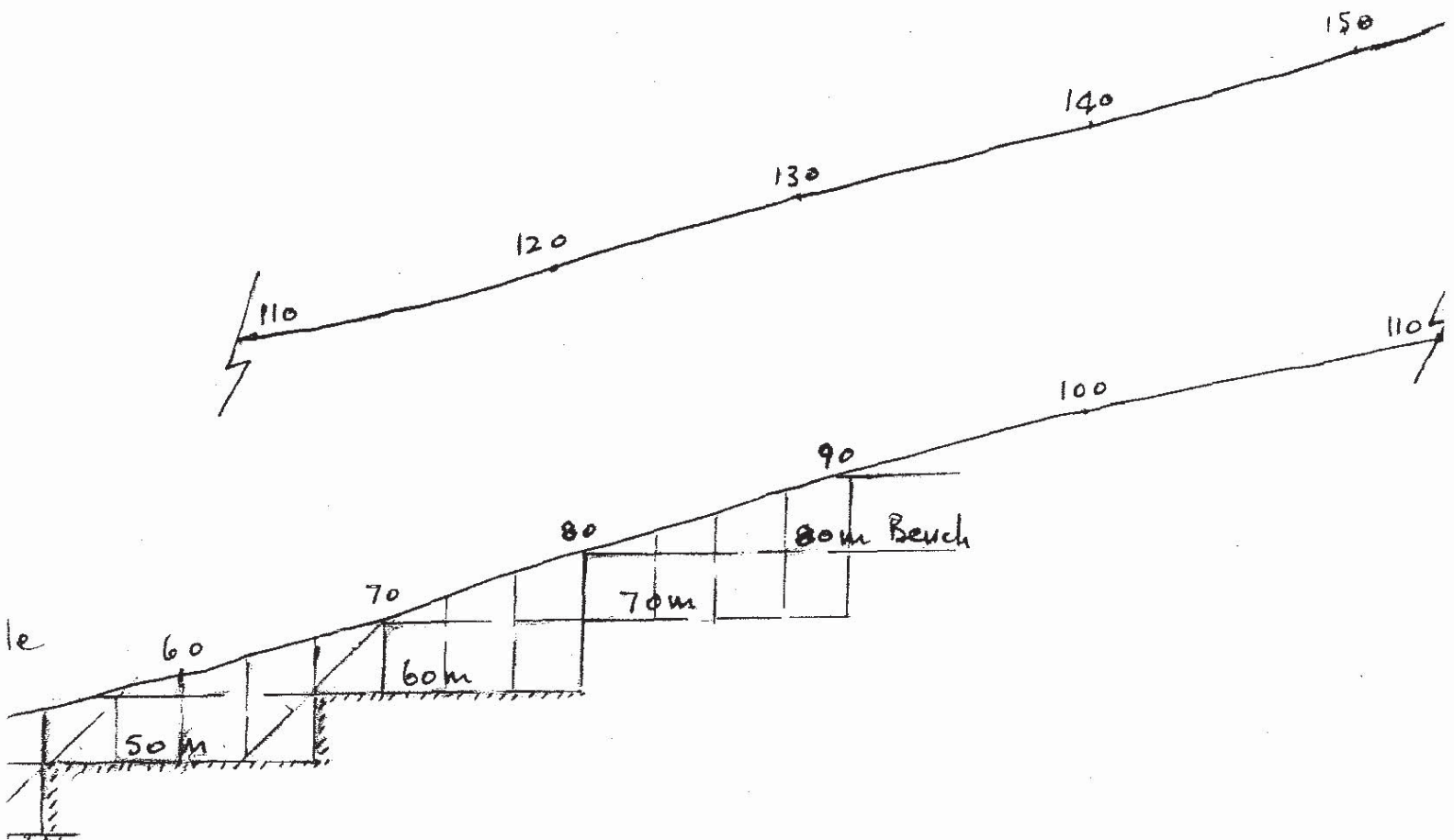
092G019
Mission

MAP 092G019

LOCAL FEATURES MAP

SCALE: 1/20,000

East Property Boundary →



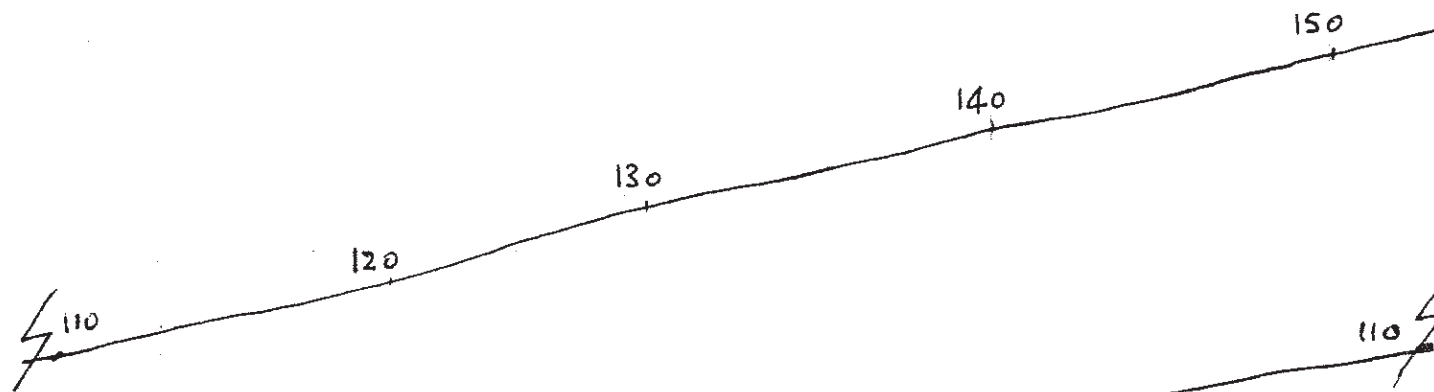
5 Datum at 0 metre

SECTION A-A

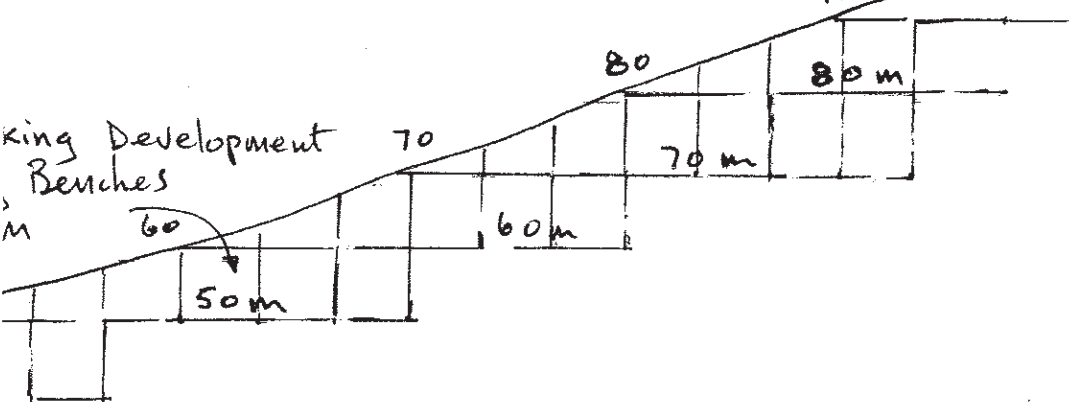
Horizontal & Vertical Scale: 1/1000

SYLVESTER ROAD QUARRY Page 196 NOTATION

EAST PROPER
BOUNDARY



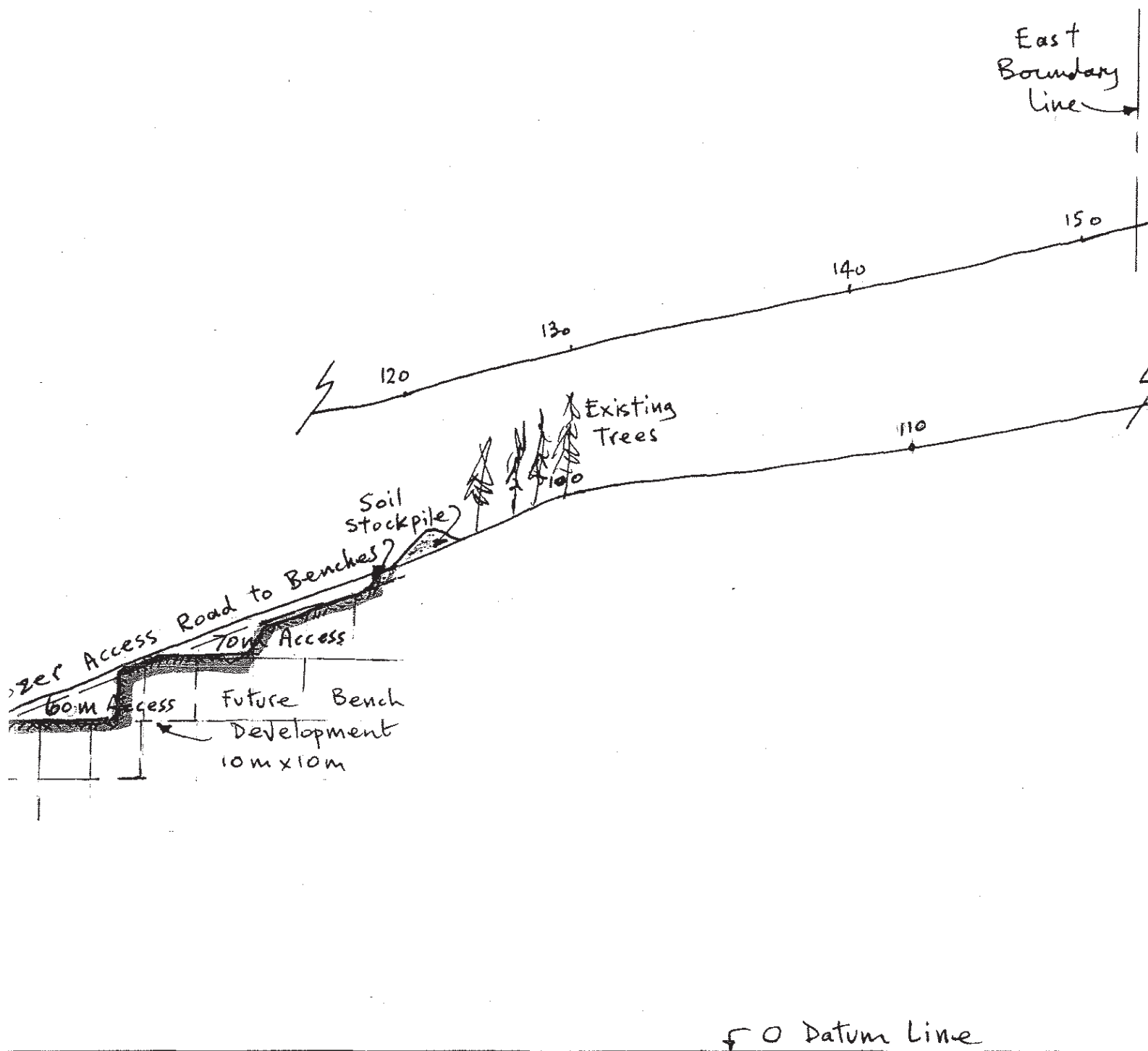
King Development
Benches



0 metre Datum Line

SECTION B-B

Horizontal & Vertical Scale: 1/1000



SECTION C-C

Horizontal & Vertical Scale: 1/1000

SYLVESTER ROAD QUARRY

Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources

APPROVAL OF WORK SYSTEM
AND
PERMIT
APPROVING RECLAMATION PROGRAM
SAND AND GRAVEL PITS AND QUARRIES

(Issued pursuant to the Mines Act)

Permit No. Q-7-14

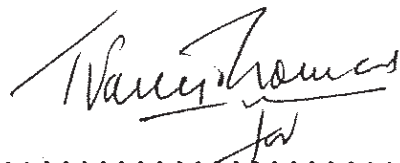
Issued to Ekset Contracting Ltd.
Address 3780 Mountain Highway
North Vancouver, B.C. V7K 2J1

for work at the operation located on land described as follows:
NE ¼ Section, 1, TWP 18, lying east of Sylvester Road,
excepting Plan 55998, Plan 68855 and Plan 59106, NWL
Reference Plan #10850, Property #000-992-691.

The registered owner of the land is s.22
Address s.22
.....

This approval and permit is issued pursuant to Sections 6,7,8,9,
10 and 11 of the Mines Act and is subject to the appended
conditions.

Issued this 15 day of September in the year 1986



.....
Chief Inspector of Mines

PREAMBLE

1. Notice of intention to commence work was given on August 1, 1986
2. A report and plan of the work system dated August 29, 1986 was filed with the Chief Inspector of Mines on September 8, 1986.
3. A program for the protection and reclamation of the surface of the land and watercourses affected by the mine dated August 29, 1986 was filed with the Minister on September 8, 1986.
4. Notice of such filing was published in the Mission News on August 13, 1986 and in the Gazette on August 14, 1986.

APPROVAL

The Chief Inspector of Mines hereby approves the report and plan of the work system and approves the program for protection and reclamation of the surface of the land and watercourses affected by the mine subject to compliance with the following conditions:

1. The owner, agent or manager shall not depart from the report and plan of the work system to any substantial degree without the written approval of the Chief Inspector of Mines.
2. The owner, agent or manager shall deposit as security with the Chief Inspector of Mines the amount of *****Four Thousand***** dollars (\$4,000.00----) within thirty days of issuance of this Permit. The security shall be held by the Chief Inspector of Mines for the proper performance of the approved program and all the conditions of this permit in a manner satisfactory to the Chief Inspector of Mines. The owner, agent or manager shall maintain this security until no longer required to do so by the Chief Inspector of Mines.
3. The owner, agent or manager shall comply with the program for the protection and reclamation of the surface of the land and watercourses affected by the mine as follows:
 - a. Topsoil and Overburden - Topsoil and overburden (to rooting depth) must not be removed from the property but shall be removed from operational areas prior to any disturbance of land, and is to be stockpiled separately on the property. When it can be shown that the topsoil is not required for the reclamation program, permission to remove it from the property may be obtained from the Inspector, who, if he so approves, will grant such permission in writing.

NOTE: On Crown Land, the authorization for removal and use of topsoil off the mine property must be obtained under the Land Act from the Ministry of Lands, Parks and Housing prior to such removal and use.

b. Protection and Reclamation of Watercourses - Watercourses within or immediately adjacent to the operation are to be protected against pollution. If necessary, watercourses should be suitably diverted. Upon termination of operations, the watercourses are to be reclaimed to as close to their original condition as is practicable.

NOTE: Approval must be obtained from the Ministry of Environment, Water Management Branch, prior to work in or about a stream.

c. Erosion Control - Water which flows from disturbed areas shall be collected and diverted into settling ponds.

d. Buffer Zones and Berms - At the discretion of an Inspector, buffer zones and/or berms may be required between the mine and the property boundary to alleviate the effects of noise and dust.

e. Continual and Progressive Reclamation - The surface of the land shall be continually and progressively reclaimed.

f. The land shall be left in a condition satisfactory to the Chief Inspector of Mines according to the following:

- i) Unconsolidated material such as pit banks, berms, benches, hummocks, waste dumps and refuse piles shall be revegetated. Recontouring and covering the slopes with a suitable growth medium may be required.
- ii) All buildings and equipment must be removed from the site.
- iii) Concrete foundations and slabs may be left intact but must be covered with overburden and revegetated.
- iv) Roads shall be ripped and covered with overburden and revegetated.
- v) A permanent system of drainage control must be established.

4. Notice of Closure - Pursuant to Section 6, Mines Act, not less than seven days prior to cessation of work, a report of work done and reclamation completed shall be filed with the Inspector of Mines and Resident Engineer.

SPECIAL CONDITIONS:

NOTE: This permit applies only to the requirements under the Mines Act. Other legislation may be applicable to the mining operations, and this permit in no way abrogates the responsibility of the permittee under such other legislation.

PH: 755-2486
FAX: 755-2474
File: 14675-30

April 25, 1989

DOUBLE REGISTERED

Mr. A. Teske
Ekset Contracting Ltd.
3780 Mountain Highway
North Vancouver, B.C.
V7K 2J1

Dear Sir:

Re: Cancellation of Reclamation Permit Q-7-14
Pursuant to the Mines Act
Property: Sylvester Road Quarry and Sand & Gravel Pit

Further to your letter to you dated November 1, 1989, we asked you to post additional securities in the amount of \$5,000.00.

On March 14, 1989, you were informed by double registered mail that you had failed to comply with this request and were given notice pursuant to Section 11 of the Mines Act to remedy this failure within fourteen (14) days.

Pursuant to Section 11 of the Mines Act, I hereby cancel the issuance of Reclamation Permit Q-7-14.

Yours truly,

R. Bone, P. Eng.
Inspector of Mines
and Resident Engineer

RB/kw



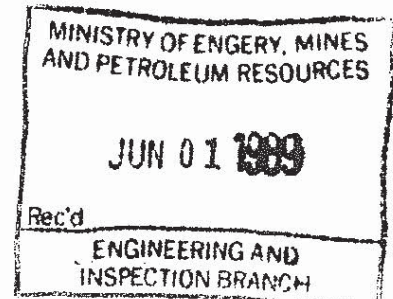
Province of
British Columbia

Ministry of
Energy, Mines and
Petroleum Resources

1A, 3411 Shenton Road
Vancouver
British Columbia
V9T 2H1

PH: 755-2486
FAX: 755-2474
FILE: 14675-20

May 19, 1989



Mr. A. Teske
Ekset Contracting Ltd.
3780 Mountain Highway
North Vancouver, B.C.
V7K 2J1

Dear Sir:

Re: Cancellation of Reclamation Permit Q-7-14
(Amendment September 15, 1989)
Property: Sylvester Road Quarry and Sand & Gravel Pit

Further to my letter to you dated April 25, 1989, the
cancellation of Permit Q-7-14 only applies to the amended
permit dated November 1, 1988.

Yours truly,

R. Bone, P. Eng.
Inspector of Mines
and Resident Engineer

RB/kw

cc Carol Howell, Reclamation Branch, Victoria



Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources

**APPROVAL OF WORK SYSTEM
AND
PERMIT
APPROVING RECLAMATION PROGRAM
SAND AND GRAVEL PITS AND QUARRIES**
(Issued pursuant to the *Mines Act*)

Permit No. Q-7-14 (Amendment of Permit dated September 15, 1986)

Issued to Ekset Contracting Ltd.

Address 3780 Mountain Highway
North Vancouver, B. C. V7K 2J1

for work at the operation located on land described as follows:

NE 1/4 Section 1, Twp. 18 Lying east of	A part of the NE 1/4 Section 1, TWP 18
Sylvester Road, excepting Plan 55998, Plan &	lying west of Sylvester Road, excepting
68855, Plan 59106, NWF Reference Plan #10850	Plan 55998 and Plan 10850, New Westminster
and Property # 000-992-691	Land District, 8 miles east of Mission

The registered owner of the land is s.22

Address

This approval and permit is issued pursuant to sections 6, 7, 8, 9, 10 and 11 of the *Mines Act* and is subject to the appended conditions.

Issued this 1st day of November in the year 1988

R. Bone

for R. W. McGinn Chief Inspector of Mines

PERMIT APPROVING RECLAMATION PROGRAM

The Chief Inspector of Mines hereby approves the program for protection and reclamation of the surface of the land and watercourses affected by the mine subject to compliance with the following conditions:

1. The owner, agent or manager shall conform to the "Guide to Development of Sand and Gravel Pits and Quarries Under the *Mines Act*".
2. The owner, agent or manager shall deposit as security with the Chief Inspector of Mines the amount of an additional amount of \$5,000 making a total amount of Nine Thousand dollars (\$ 9,000.00) within thirty days of issuance of this permit. The security shall be held by the Chief Inspector of Mines for the proper performance of the approved program and all the conditions of this permit in a manner satisfactory to the Chief Inspector of Mines. The owner, agent or manager shall maintain this security until no longer required to do so by the Chief Inspector of Mines.
3. The owner, agent or manager shall comply with the program for the protection and reclamation of the surface of the land and watercourses affected by the mine as follows:

- a. Topsoil and Overburden — Topsoil and overburden (to rooting depth) must not be removed from the property but shall be removed from operational areas prior to any disturbance of the land, and is to be stockpiled separately on the property. When it can be shown that the topsoil is not required for the reclamation program, permission to remove it from the property may be obtained from the Inspector, who, if he so approves, will grant such permission in writing.

NOTE: On Crown land, the authorization for removal and use of topsoil off the mine property must be obtained under the *Land Act* from the Ministry of Forests and Lands prior to such removal and use.

- b. Protection and Reclamation of Watercourses — Watercourses within or immediately adjacent to the operation are to be protected against pollution. If necessary, watercourses should be suitably diverted. Upon termination of operations, the watercourses are to be reclaimed to as close to their original condition as is practicable.

NOTE: Approval must be obtained from the Ministry of Environment and Parks, Water Management Branch, prior to work in or about a stream.

- c. Erosion Control — Water which flows from disturbed areas shall be collected and diverted into settling ponds.
- d. Buffer Zones and Berms — At the discretion of an Inspector, buffer zones and/or berms may be required between the mine and the property boundary to alleviate the effects of noise and dust.
- e. Continual and Progressive Reclamation — The surface of the land shall be continually and progressively reclaimed.
- f. The land shall be left in a condition satisfactory to the Chief Inspector of Mines according to the following:
 - i) Unconsolidated material such as pit banks, berms, benches, hummocks, waste dumps and refuse piles shall be revegetated. Recontouring and covering the slopes with a suitable growth medium may be required.
 - ii) All buildings and equipment must be removed from the site.
 - iii) Concrete foundations and slabs may be left intact but must be covered with overburden and revegetated.
 - iv) Roads shall be ripped and covered with overburden and revegetated.
 - v) A permanent system of drainage control must be established.

4. Notice of Closure — A report of reclamation shall be filed with the Inspector not less than seven days prior to cessation of work, and this shall accompany the notice required under section 6, *Mines Act*.

The owner, agent or manager, or an inspector may apply to the Chief Inspector of Mines for revision of the conditions of this permit, and if he so decides, the Chief Inspector may revise the conditions.

5. See Conditions of Amendment of Permit Q-7-14 #1 and #2 on attached sheet.

NOTE: This permit applies only to the requirements under the *Mines Act*. Other legislation may be applicable to the mining operations, and this permit in no way abrogates the responsibility of the permittee under such other legislation.

5. CONDITIONS OF AMENDMENT OF PERMIT Q-7-14

1. Conditions to include those of the previous permit.
2. The pit shall be worked pursuant to the following:
 - (a) Order of the Ministries of Agriculture and Fisheries, pursuant to Section 4 of the Soil Conservation Act dated July 5, 1988. Schedule A Pages 1, 2 and 3 dated June 29, 1988
 - (b) Precautions outlined by Ministry of Environment and Parks in letter dated April 6, 1987.
 - (c) Precautions outlined by Federal Fisheries and Oceans in letter dated April 9, 1987.

October 21, 1994

File: 14675-30

Mr. Art Teske
Ekset Contracting Ltd.
3780 Mountain Highway
North Vancouver, B. C.
V7K 2J1

Dear Sir:

Re: Mine Permit 0-7-14 - Sylvester Road Quarry

This is in reference to our site meeting of October 20, 1994 regarding installation of crushing and screening facilities at the above quarry.

Please be advised that approval is granted to install a crusher and screening plant subject to the following conditions:

- (1) Initial siting of the plant shall be on the existing loading area on the north side of Scorey Creek, and east of Sylvester Road.
- (2) A sound reducing berm of approximate height of 6 to 8 metres shall be provided on the west side of the plant to reduce noise levels. Berm material shall be composed of overburden, crushed rock or other suitable materials available on site.
- (3) The existing tree screen buffer alongside Sylvester Road shall be maintained to provide a visual and sound barrier.
- (4) Operating hours shall be as per the Regional Districts' Bylaw.

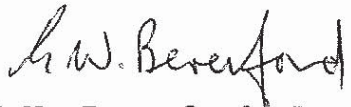
2.....

Page 2...

- (5) In addition, the site trailer is approved for mine security purposes, first-aid, lunchroom, office and wash facilities for the quarry operation . The trailer shall meet the applicable Health and Safety Regulations.

These conditions form part of Permit Q-7-14.

Yours truly,



E.W. Beresford, P. Eng.
District Manager & Engineer

EWB/gp

c.c. Dewdney Alouette Regional District.



February 13, 1998

File No.: 14675-30\ML-QU-EKSE

Permit No.: Q-7-14

Ekset Contracting Ltd.
10200 Sylvester Road, R.R.#3
Mission, British Columbia
V2V 4J1

Fraser Valley Aggregates Ltd.
17341 56th Ave
Surrey BC V3S 1C2

Attention: Mr. Arthur Teske

Dear Sir:

**Re: Application for Mines Act Approval
Property: Sylvester Road Quarry**

Your work proposal has been reviewed by all concerned agencies and has been approved according to the information outlined in your Notice of Work form dated December 8, 1997.

You may commence work at your convenience, subject to the terms and conditions contained in the attached amendment to your Reclamation Permit.

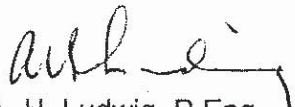
You are requested to supply this office with a set of photographs showing the condition of your work sites prior to commencing work and at the completion of your work program. Please include a description of the photographs. These photos will assist in evaluating the reclamation work.

You are reminded that you are required to comply with all the provisions of the Mines Act and Mines Code.

You are also required, pursuant to Part 6.1.6, Health, Safety and Reclamation Code for Mines in British Columbia, to provide notice to me one week prior to cessation of your work. Please complete the enclosed Notice of Completion form and return it to this office at the end of the work program.

Please advise this office of any change to your proposed work program.

Yours truly,


A. H. Ludwig, P.Eng.
District Manager/Engineer

AHL/plf

Enc.

PROVINCE OF BRITISH COLUMBIA
MINISTRY OF EMPLOYMENT AND INVESTMENT
ENERGY AND MINERALS DIVISION

QUARRY PERMIT
APPROVING WORK SYSTEM AND RECLAMATION PROGRAM
(Issued pursuant to Section 10 of the Mines Act, R.S.B.C. 1996, c.293)

Permit: Q-7-14 (Amendment to permit dated September 15, 1986.)

Issued to: Ekset Contracting Ltd.
10200 Sylvester Road, R.R.#3
Mission, British Columbia
V2V 4J1

for work located at the following property: Sylvester Road Quarry

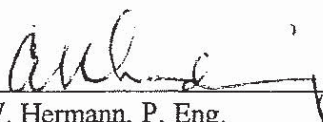
Located at: NTS: 92G/01E
Lat: 049°11' 17"
Long: 122°13' 54"

Legal description: Northeast Quarter Section 1, Township 18, lying East of Sylvester Road, excepting Plans 55998, 68855 and 59106, New Westminster District.

Access: From Mission; 4 miles east on No. 7 Highway then 4 miles North on Sylvester Road.

This Approval and Permit is subject to the appended conditions.

Issued this 13th day of February in the year 1998.


F. W. Hermann, P. Eng.
Chief Inspector of Mines

PREAMBLE

An application to amend permit Q-7-14, including a plan of the proposed work system and a program for the protection and reclamation of the surface of the land and watercourses affected by the work dated December 8, 1997, was filed with the District Inspector on December 22, 1997.

This permit contains the requirements of the Ministry of Employment and Investment for reclamation. It is also compatible, to the extent possible, with the requirements of other provincial ministries for reclamation issues. The amount of security required by this permit, and the manner in which this security may be applied, will also reflect the requirements of those ministries. Nothing in this permit, however, limits the authority of other provincial ministries to set other conditions, or to act independently, under their respective permits and legislation.

Decisions made by staff of the Ministry of Employment and Investment will be made in consultation with other ministries.

CONDITIONS

The Chief Inspector of Mines (Chief Inspector) hereby approves the work plan and the program for protection and reclamation of the land surface and watercourses subject to compliance with the following conditions:

1. Reclamation Security

- (a) The owner, agent or manager (herein called the Permittee) shall maintain with the Minister of Finance and Corporate Relations securities in the amount of **Four Thousand dollars (\$4,000.00)**. The security will be held by the Minister of Finance and Corporate Relations for the proper performance of the approved program and all the conditions of this permit in a manner satisfactory to the Chief Inspector.
- (b) The Permittee shall conform to all forest tenure requirements of the Ministry of Forests. Should the Permittee not conform to these requirements then all or part of the security may be used to cover the costs of these requirements.
- (c) The Permittee shall conform to all Ministry of Environment, Lands and Parks approval, licence and permit conditions, as well as requirements under the **Wildlife Act**. Should the Permittee not conform to these conditions, then all or part of the security may be used to fulfill these requirements.

2. Land Use

The surface of the land and watercourses shall be reclaimed to the following land use: **residential**.

3. Productivity

The level of land productivity to be achieved on reclaimed areas shall not be less than existed prior to mining on an average property basis unless the Permittee can provide evidence which demonstrates, to the satisfaction of the Chief Inspector, the impracticality of doing so.

4. Revegetation

Land shall be revegetated to a self-sustaining state using appropriate plant species.

5. Use of Suitable Growth Medium

- (a) On all lands to be revegetated, the growth medium shall satisfy land use, productivity, and water quality objectives. Topsoil and overburden (to rooting depth) shall be removed from operational areas prior to any disturbance of the land and stockpiled separately on the property for use in reclamation programs, unless the Permittee can provide evidence which demonstrates, to the satisfaction of the Chief Inspector, that reclamation objectives can otherwise be achieved.
- (b) No topsoil shall be removed from the property without the specific written permission of the District Inspector.

6. Buffer Zones and Berms

Buffer zones and/or berms shall be established between the mine and the property boundary unless exempted in writing by the District Inspector.

7. Treatment of Structures and Equipment

Prior to abandonment, and unless the Chief Inspector has made a ruling otherwise, such as heritage project consideration or industrial use,

- (a) all machinery, equipment and building superstructures shall be removed,
- (b) concrete foundations shall be covered and revegetated unless, because of demonstrated impracticality, they have been exempted by the Inspector, and
- (c) all scrap material shall be disposed of in a manner acceptable to the Inspector.

8. Watercourses

- (a) Watercourses shall be reclaimed to a condition that ensures
 - (i) long-term water quality is maintained to a standard acceptable to the Chief Inspector,
 - (ii) drainage is restored either to original watercourses or to new watercourses which will sustain themselves without maintenance, and
 - (iii) use and productivity objectives are achieved and the level of productivity shall not be less than existed prior to mining unless the Permittee can provide evidence which demonstrates, to the satisfaction of the Chief Inspector, the impracticality of doing so.
- (b) Water which flows from disturbed areas shall be collected and diverted into settling ponds.

9. Roads

- (a) All roads shall be reclaimed in accordance with land use objectives unless permanent access is required to be maintained.
- (b) Individual roads will be exempted from the requirement for total reclamation under condition 9(a) if either:
 - (i) the Permittee can demonstrate that an agency of the Crown has explicitly accepted responsibility for the operation, maintenance and ultimate deactivation and abandonment of the road, or
 - (ii) the Permittee can demonstrate that another private party has explicitly agreed to accept responsibility for the operation, maintenance and ultimate deactivation and abandonment of the road and has, in this regard, agreed to comply with all the terms and conditions, including bonding provisions, of this reclamation permit, and to comply with all other relevant provincial government (and federal government) regulatory requirements.

10. Disposal of Fuels and Toxic Chemicals

Fuels, chemicals or reagents which cannot be returned to the manufacturer or supplier are to be disposed of as directed by the Chief Inspector in compliance with municipal, regional, provincial and federal statutes.

11. Temporary Shutdown

If this quarry ceases operation for a period longer than one year the Permittee shall either continue to carry out the conditions of the permit or apply for an amendment setting out a revised program for approval by the Chief Inspector.

12. Safety Provisions

All safety and other provisions of the **Mines Act** shall be complied with to the satisfaction of the Chief Inspector.

13. Monitoring

The Permittee shall undertake monitoring programs, as required by the District Inspector, to demonstrate that reclamation objectives are being achieved.

14. Alterations to the Program

Substantial changes to the program must be submitted to the District Inspector for approval.

15. Notice of Closure

Pursuant to Part 10.5.1 of the Health, Safety and Reclamation Code for Mines in British Columbia, a Notice of Completion of Work shall be filed with the District Inspector not less than seven days prior to cessation of work.

16. Special Conditions

- (a) Approval is for Phase 1 only.
- (b) Runoff from the site shall be suitably controlled to prevent any siltation from leaving the property.
- (c) The Permittee shall obtain all necessary approvals from other agencies.
- (d) All previous conditions apply.

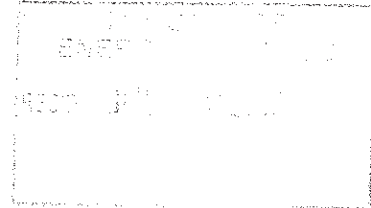


The Best Place on Earth

July 3, 2007

File: 14675-30-0700089

Mr. Dave Vernon
Ekset Contracting Ltd.
10200 Sylvester Road
Mission BC V2V 4J1



Dear Mr. Vernon:

Re: Amendment of Reclamation Permit Q-7-14, Quarry: Sylvester Road

Your Notice of Work and Reclamation Program, dated February 22, 2007, has been reviewed and found to be acceptable. Your attention is drawn to the conditions, which are an integral part of your permit. Note that your amended work program, as set out in the above noted Notice of Work, is also an integral part of your permit. Please attach this amendment to your permit. You are reminded not to depart from your authorized work system to any substantial degree without the written approval of the Chief Inspector of Mines.

Please ensure that you and all persons who are carrying out activities in accordance with this permit comply with all terms and conditions of the permit and are familiar with the permitted work program. Documentation and training of employees are imperative in any duties that they assume.

This permit applies only to the requirements under the *Mines Act* and Health, Safety and Reclamation Code for Mines in British Columbia (Code). Other legislation, statutes, bylaws, etc. may be applicable to the operation and you (the Permittee) may be required to obtain approvals, permits or otherwise comply with them.

This permit amendment shall not be in effect until an additional reclamation security of \$16,000 (sixteen thousand dollars) is received, bringing the total security for this permit to \$20,000 (twenty thousand dollars). The security deposit may be one of the following:

1. Certified cheque payable to the Minister of Finance.
2. An Irrevocable Letter of Credit issued by a chartered bank, credit union or trust company, payable to the Minister of Finance and Corporate Relations. Please note the Letter of Credit must contain the following conditions.

It is a condition of this letter of credit that it shall be deemed to be automatically extended without amendment from year to year from the present or any future

.../2

expiration date hereof, unless at least thirty days prior to the present or any future expiration date, we notify you in writing by registered mail or courier, that we elect not to renew this letter of credit for any additional period.

3. A Safekeeping Agreement form executed by a chartered bank, credit union or trust company.

If you choose to use the Safekeeping Agreement, complete the form with your financial institution, using the "Instructions on Completing a Safekeeping Agreement" and return it to this office for our signature. A copy of the completed form will be returned to you and your financial institution. The security deposit may be adjusted on the basis of reclamation performance, field inspections by this Ministry, and on reports that may be requested.

Health and safety inspections fall under the jurisdiction of the Mining Division of the Ministry of Energy and Mines. A fee for this service is collected through the Mine Health and Safety Inspection Fee. The fee structure is based on annual production in metric tonnes for the period January 1st through December 31st. You will receive the remittance forms and a payment schedule in December of each year with payment due by January 31st of the new year.

For further information regarding the Health and Safety Inspection Fee, please contact your regional office or Trevor Miller at the Resource Revenue Branch in Victoria at (250) 952-0220.

When activity on the site is finished and reclamation completed, please forward a request for cancellation of permit and return of securities to this office.

Sincerely,



Ian Webster, P.Geo.
Inspector of Mines

Enclosures: Permit / Notice of Work
Letter dated June 14, 2000
Blasting Log and Record / Instructions in Use
Safekeeping Agreement / Instructions
Emergency Response Plan

✓ cc: Carol Howell, Reclamation and Permitting Section, Victoria

PROVINCE OF BRITISH COLUMBIA
MINISTRY OF ENERGY, MINES AND PETROLEUM RESOURCES

QUARRY PERMIT
APPROVING WORK SYSTEM AND RECLAMATION PROGRAM
(Issued pursuant to Section 10 of the **Mines Act** R.S.B.C. 1996, C.293)

Permit: **Q-7-14**

Mine No.: **0700089**

Issued to: **Ekset Contracting Ltd.**
10200 Sylvester Road
Mission BC V2V 4J1

for work located at the following property:

Sylvester Road

This approval and permit is subject to the appended conditions.

Issued September 15, 1986 and amended July 3, 2007.



Douglas E. Sweeney, P. Geo., M.Sc.
Chief Inspector of Mines

PREAMBLE

Notice of intention to commence work on a quarry, including a plan of the proposed work system and a program for the protection and reclamation of the surface of the land and watercourses affected by the work dated February 22, 2007 was filed with the Chief Inspector of Mines on March 5, 2007. Notice of such filing was published in Mission Record, March 22, and 29, 2007 and in the Gazette on **March 22, 2007**.

This permit contains the requirements of the Ministry of Energy, Mines and Petroleum Resources for reclamation. It is also compatible, to the extent possible, with the requirements of other provincial ministries for reclamation issues. The amount of security required by this permit, and the manner in which this security may be applied, will also reflect the requirements of those ministries. Nothing in this permit, however, limits the authority of other provincial ministries to set other conditions, or to act independently, under their respective permits and legislation.

Decisions made by staff of the Ministry of Energy, Mines and Petroleum Resources will be made in consultation with other ministries.

CONDITIONS

The Chief Inspector of Mines (Chief Inspector) hereby approves the work plan and the program for protection and reclamation of the land surface and watercourses subject to compliance with the following conditions:

1. Reclamation Security

- (a) The owner, agent or manager (herein called the Permittee) shall maintain with the Minister of Finance securities in the amount of twenty thousand dollars (\$20,000). The security will be held by the Minister of Finance for the proper performance of the approved program and all the conditions of this permit in a manner satisfactory to the Chief Inspector.
- (b) The Permittee shall conform to all forest tenure requirements of the Ministry of Forests and Range. Should the Permittee not conform to these requirements then all or part of the security may be used to cover the costs of these requirements.
- (c) The Permittee shall conform to all Ministry of Environment approval, licence and permit conditions, as well as requirements under the **Wildlife**

Act. Should the Permittee not conform to these conditions, then all or part of the security may be used to fulfill these requirements.

2. Land Use

The surface of the land and watercourses shall be reclaimed to the following land use: Residential or Forestry

3. Productivity

The level of land productivity to be achieved on reclaimed areas shall not be less than existed prior to mining on an average property basis unless the Permittee can provide evidence which demonstrates, to the satisfaction of the Chief Inspector, the impracticality of doing so.

4. Revegetation

Land shall be re-vegetated to a self-sustaining state using appropriate plant species.

5. Use of Suitable Growth Medium

- (a) On all lands to be revegetated, the growth medium shall satisfy land use, productivity, and water quality objectives. Topsoil and overburden (to rooting depth) shall be removed from operational areas prior to any disturbance of the land and stockpiled separately on the property for use in reclamation programs, unless the Permittee can provide evidence which demonstrates, to the satisfaction of the Chief Inspector, that reclamation objectives can otherwise be achieved.
- (b) No topsoil shall be removed from the property without the specific written permission of the Inspector of Mines.

6. Buffer Zones and Berms

Buffer zones and/or berms shall be established between the mine and the property boundary unless exempted in writing by the Inspector of Mines.

7. Treatment of Structures and Equipment

Prior to abandonment, and unless the Chief Inspector has made a ruling otherwise, such as heritage project consideration or industrial use,

- (a) all machinery, equipment and building superstructures shall be removed,
- (b) concrete foundations shall be covered and revegetated unless, because of demonstrated impracticality, they have been exempted by the Inspector, and
- (c) all scrap material shall be disposed of in a manner acceptable to the Inspector.

8. Watercourses

- (a) Watercourses shall be reclaimed to a condition that ensures
 - (1) long-term water quality is maintained to a standard acceptable to the Chief Inspector,
 - (2) drainage is restored either to original watercourses or to new watercourses which will sustain themselves without maintenance, and
 - (3) use and productivity objectives are achieved and the level of productivity shall not be less than existed prior to mining unless the Permittee can provide evidence which demonstrates, to the satisfaction of the Chief Inspector, the impracticality of doing so.
- (b) Water which flows from disturbed areas shall be collected and diverted into settling ponds.

9. Roads

- (a) All roads shall be reclaimed in accordance with land use objectives unless permanent access is required to be maintained.

(b) Individual roads will be exempted from the requirement for total reclamation under condition 9(a) if either:

- (1) the Permittee can demonstrate that an agency of the Crown has explicitly accepted responsibility for the operation, maintenance and ultimate deactivation and abandonment of the road, or
- (2) the Permittee can demonstrate that another private party has explicitly agreed to accept responsibility for the operation, maintenance and ultimate deactivation and abandonment of the road and has, in this regard, agreed to comply with all the terms and conditions, including bonding provisions, of this reclamation permit, and to comply with all other relevant provincial government (and federal government) regulatory requirements.

10. Disposal of Fuels and Toxic Chemicals

Fuels, chemicals or reagents which cannot be returned to the manufacturer/supplier are to be disposed of as directed by the Chief Inspector in compliance with municipal, regional, provincial and federal statutes.

11. Temporary Shutdown

If this quarry ceases operation for a period longer than one year the Permittee shall either continue to carry out the conditions of the permit or apply for an amendment setting out a revised program for approval by the Chief Inspector.

12. Safety Provisions

All safety and other provisions of the **Mines Act** shall be complied with to the satisfaction of the Chief Inspector.

13. Monitoring

The Permittee shall undertake monitoring programs, as required by the Inspector of Mines, to demonstrate that reclamation objectives are being achieved.

19. Access Road

The southern-most access road (not shown on the Mine Plan) connecting the top of the existing mine area to Sylvester Road shall not be used for mining activities without written authorization of the property owner.

20. Scorey Creek

A natural buffer of 30 metres shall be maintained along Scorey Creek.

21. Blasting

- a) All conditions of the Inspector's Directive dated June 14, 2000 (copy attached) shall apply to this permit.
- b) Air Blast shall be limited to 120dbL at the intersection of Sylvester Road and the Quarry access.
- c) Peak Particle Velocity shall not exceed 50mm/sec at the same location as identified in b) above.
- d) All Blasts shall be electronically monitored.
- e) All Blast records including the printout of the electronic monitoring shall be maintained at the minesite office and made available to an Inspector on request.
- f) A copy of the Blaster's Log (copy attached) shall be maintained at the minesite office.
- g) All Blasts resulting in public complaints shall be reported to the Inspector in accordance with the attached instructions.
- h) Any flyrock in excess of 20 meters from the centre of the pattern shall be reported as a dangerous occurrence as per 1.7.1 Health, Safety and Reclamation Code (HSRC).

22. Unless modified or eliminated by this amendment, all other existing permit conditions remain in force.

s&g-perm/98-02-26



Ministry of Energy and Mines

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

The information on this form and any supporting documents are subject to the Freedom of Information and Protection of Privacy Act. The information requested on this form is collected and used for the purpose of administering the Mines Act & Regulations, Safety and Reclamation Co. in Mines in British Columbia. The Mines Act of British Columbia also authorizes the collection of the requested information on this form. The completed form is routinely forwarded to the public. Questions about how the Freedom of Information and Protection of Privacy Act applies to the information collected on this form can be directed to the Information Access and Record Management Branch at (250) 952-0514; fax (250) 952-0739 or write to P.O. Box 9325, St. John's, Victoria, British Columbia, V8W 9N2.

MINISTRY OF
ENERGY AND MINES

REC'D MAR 05 2007

Application is for: ☐ Sand and Gravel Mine ☒ Rock Quarry
This application is for (check one):
☐ Development ☒ Amendment to existing permit Permit # Q-7-14
Application is being made by:

☒ Owner (Private property)☒ Operator/Agent (Person or company making application on behalf of or on private property not owned by applicant)Name DAVE VERNON E-mail Address: Company (if applicable) EXSET CONTRACTING LTDAddress 10200 SYLVESTER ROAD R.R.#3City MISSION Bus. Phone (604) 220-4677Province BC Postal Code V2V 4J1 Fax (604) 534-6325

LOCATION INFORMATION - Maps are mandatory under Schedule A

Name of Mine (What will the operation be called when in production?) SYLVESTER ROAD QUARRYLegal Description of Property LOT 1 PLAN 55998 NE 1/4 SECTION 1 TWP 18 LYING EAST OF SYLVESTER ROAD NEW WESTMINSTER DISTRICT.Street Address of Property, if applicable: Access route from nearest town to property 7 kilometres East of Mission on Hwy #7 and 4 kilometres North on Sylvester RoadB.C. Geographic System Map Sheet Number(s) (i.e. TRIM 093L 008) 092 G/019Northing: 548,780 Easting: 556,000 UTM Zone: or NTS Map Sheet Number(s) (i.e. NTS 093L/14E) 92 G/01ELatitude: 49° 11' 20" Longitude: 122° 13' 50"

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 BRAELYN ENTERPRISES LTD.Address 10200 SYLVESTER ROAD RR#3City MISSION Bus. Phone (604) 220-4677Province BC Postal Code V2V 4J1 Fax (604) 534-6325

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

Name: D. Briley Date: Feb. 22/07

b) Proposed mine is on Crown land:

Assets and Lands Corporation (BCAL) file reference number: N/ALicense of Occupation/Lease number: Expiry date of Licence/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? N/AMineral Claims/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: DAVE VERNON Bus. Phone: (604) 220-4677

**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): 50 cm. or 0.5 m

Average depth of topsoil (Surface to maximum rooting depth of plants, plus 15 cm): 10 - 15 cm. or 0.1 - 0.15 m

Measures to stabilize soil/overburden stockpiles and control noxious weeds:

soil/overburden stockpiles will be contoured, bermed and seeded
to grass - sprayed for noxious weeds.

Topsail 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 Licence?

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

Name of TFL holder: _____

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. *Application being made for SRP.*

Official Community Plan designation for the site is: _____

Current land use zoning for the site is: _____

Proposed end land use is: RESIDENTIAL TERRACE DEVELOPMENT OR FORESTRY USE.

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 SITE WILL BE LEFT IN A SERIES OF EXCAVATED
BENCHES & TERRACES SUITABLE FOR RESIDENTIAL DEVELOPMENT
OR FORESTRY. TOPSOIL & OVERBURDEN MATERIAL PLACED
OVER THE BENCH/TERRACE AREAS AND SEEDED TO GRASS.
TREE BUFFER TO SYLVESTER ROAD TO REMAIN UNDISTURBED.

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.

SOIL/OVERBURDEN MATERIAL PLACED ON DISTURBED AREAS
FINAL OVERALL SLOPE OF QUARRY A 1H:1V (45°)
OTHER SLOPES BACKSLOPED TO A 2H:1V (27°) MAX. SLOPE.

**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): 2007/06/01Proposed finish date (y/m/d): 2025/11/30

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: 3,275,000 tonnes, or 1250,000 m³Estimated annual extraction from site: 210,000 tonnes/yr, or 80,000 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☒ Crushing☒ Mechanical Screening☐ Washing - please complete Schedule B☒ Blasting - please complete Schedule C☒ Timber Clearing* - estimate volume of timber: 35,000 m³Propose To Use
EXISTING QUARRY
EQUIPMENT

* 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).

PROPOSED TO EXCAVATE ROCK BY QUARRYING IN A SERIES
OF BENCHES, 10 metre x 10 metre.
DRILL & BLAST AS PER EXISTING QUARRY OPERATION.
MOBILE CRUSHING / SCREENING PLANT.
OPERATING HOURS 7:00 a.m. to 6:00 p.m. 5 days per week usual
operation - loading from product stockpile on site as reqd.

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

Type of Machine	Make/Model	Size/Capacity	# on Site
EXCAVATOR			1
FRONT END LOADER			2
DOZER		D-9	1
CRUSHING / SCREENING - MOBILE			1
GENERATOR SET		450 KW	1
GRIZLY SCREEN			1

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.)

28,000 m², or 2.80 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)

37,500 m², or 3.75 hectares

Total Disturbed Area (Existing + Proposed Disturbance)

65,500 m², or 6.55 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: 7,500 m², or 0.75 hectares

Estimated Cost of Reclamation:

Applicant \$ 2,000⁰⁰

Mining Division \$ _____



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

☒ No☐ Yes - please complete Schedule BEXISTING SMALL SETTLING POND
AT THE QUARRY (1986)

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

+50

m from quarry floor

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

☐ Existing area wells☐ Test wells drilled for this purpose☐ Test pits☐ Other (describe) EXISTING QUARRY OPERATION

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.):

EXCAVATIONS ALL ABOVE
GROUND WATER TABLE. NO FUEL STORED ON SITE.

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: 300 m, or 0.3 km

Shortest distance between proposed excavation to nearest residential water source: 300 m, or 0.3 km

Describe measures proposed to prevent inadvertent access of unauthorized persons on the mine site (i.e. fencing, vegetative barriers, berms, etc.):

SITE ACCESS WILL BE FROM THE EXISTING
ENTRANCES (TWO) OFF SYLVESTER ROAD THROUGH THE
EXISTING QUARRY. GATED & SIGNED TO PREVENT INADVERTENT ACCESS

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:PROPOSED TO CONSTRUCT A ROCK BERM AS PER EXISTING
QUARRY & RETAIN A TREE BUFFER SCREEN FROM
SYLVESTER ROAD.

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:PROVIDE WATER SPRAYS TO ROAD ENTRANCES AS REQD.
RETAIN TREE/VEGETATION COVER AS WIND BREAKS ROCK BERMS.

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

☐ No☒ Yes - Please describe:RETAIN VEGETATIVE BUFFERS
AND PROVIDE ROCK BERMS.

OCCUPATIONAL FIRST AID

First Aid Supplies and communication at the mine site are required as per Parts 3.2.1 to 3.2.3 of the Code.

Describe the means of communication from the mine site: LAND PHONE LINE & CELL PHONES

Location of nearest hospital:

Travel time to hospital: 15 minutes

Estimated number of employees on site (incl. des contractors): 2-6

Describe First Aid Level and supplies: WCB FIRST AID KIT & SUPPLIES IN SITE

OFFICE TRAILER & PICK-UP TRUCKS.

I, DAVE VERNON

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

Date Feb 22 2007

Revised: 05/24/03

Schedule A

Maps and Cross Sections

Applications will be returned if not accompanied by legible and suitable maps

Schedule A1 (compulsory): Location map (1:50 000 scale)

Indicate the location of the property with respect to local communities

Schedule A2 (compulsory): Local Features map (1:20 000 scale - TRIM map)

Map should show topography, water courses, existing access and/or proposed new or upgraded access, the location of proposed mining area, and location (if known) of historical/cultural resources. If applicable, locate the boundaries of Forest Land Reserves and Agricultural Land Reserves on the map

Schedule A3 (compulsory): Land Title map

The subject parcel and adjacent properties must be clearly identified and the following items detailed

- location of all structures and wells within 300 metres of proposed mining area
- identify current land uses on adjoining properties (i.e. forested, chicken farm, etc.)

Schedule A4: Mineral Tenure map (at scale maintained by Mineral Titles Branch for subject area)

Mineral Tenure map(s) are required if quarrying a mineral (as defined under the Mineral Tenure Act)

Schedule A5: Terrain/geology and Terrain Stability Map (1:20 000 scale)

Terrain map(s) are required:

- for excavations on slopes greater than 50%, and/or
- for excavations in areas with a stability rating of Class IV or V; or
- if requested by the Inspector

The Inspector may require a "Detailed Terrain Stability Assessment" and/or a "Soil Erosion Hazard Assessment".

Schedule A6 (compulsory): Mine Development Plan at 1:5 000 or more detailed scale

The District Inspector may require a mine plan to be prepared by a suitable qualified P Eng/Geol based on a topographical site survey, terrain stability and erosion hazard assessments

All plans and sections must indicate the scale and orientation of the drawing (please refer to attached sample)

1) Plan View of Proposed Development

Must illustrate the location of:

- Property boundaries and set back of excavation from property boundary
- Watercourses and drainages (wet, dry or intermittent) on the property and within 150 metres of its boundaries
- All previous surface workings, the final boundaries of proposed excavation, and boundaries of excavation at the end of development described in Notice of Work (please specify on drawing)
- Access roads, including development roads within the pit and access to public road(s)
- All proposed and existing stockpiles (i.e. topsoil, overburden, product, etc.)

Where applicable, show location of:

- All settling ponds (for both surface run off and process water) and source of process water
- Buildings and other facilities (i.e. fuel/lubricant storage, sanitary facilities, weigh scale, etc.)
- sediment control structures and the location of any point discharges from the property
- Fencing, berms, and/or vegetative buffers

2) Cross Sections of Proposed Development

At least two cross sections, orientated perpendicular to each other, must be provided

The location of cross sections must be shown on the plan view map(s). Cross sections must illustrate:

- The original land surface and, if applicable, the groundwater table elevation
- Typical configuration during mining, indicating angle of slope and where applicable, bench locations
- Proposed configuration on completion of reclamation

**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 300 m, or 0.3 km

Shortest distance between blasting operations to nearest water well 300 m, or 0.3 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: WESTERN EXPLOSIVES LTD.

Blaster's Certificate # #2013 SURFACE BLASTING

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: ANFO
 - detonation method: —
 - type of explosives magazine: —
 - blasting procedure (public notification, on-site safeguards, timing, etc.): —
-
-
-
-
-
-
-
-

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: [Signature]

Date: FEB 22 2007

EKSET CONTRACTING LTD.

EXTENSION to SYLVESTER ROAD QUARRY

MINE PERMIT Q-7-140

MISSION, B. C.

WORK SYSTEM

and

RECLAMATION PROGRAM

**Lot 1, Plan 55998, NE 1/4 Section 1, Township 18,
Lying East of Sylvester Road, New Westminster District**

**Eric W. Beresford, P.Eng.
Mining Consultant
February 28, 2007**

Extension to Sylvester Road Quarry, Mission
comprising 8.3 hectares

Introduction

This report and accompanying mining and reclamation plans and sections are submitted as per Part 10.0 of the Mines Act, and Part 6.0 of the Health, Safety and Reclamation Code for Mines in British Columbia, for approval to extend the existing Sylvester Road Quarry (Mine Permit Q-7-14) into Lot 1, Plan 55998, NE 1/4 Sec. 1, Twp 18 lying East of Sylvester Road, New Westminster District.

The report and plans also form part of the application for a Soil Removal Permit to the Fraser Valley Regional District. The plans illustrate the excavation and removal of rock by quarrying in a series of benches over Lot 1 as a continuation of the existing quarry.

The Sylvester Road quarry was originally permitted by the Ministry of Energy & Mines in September 1986 and amended in February 1998. The existing quarry supplies rock aggregate for the construction industry including road and dyke maintenance and new projects.

Property

The extension as proposed comprises approximately 8.3 hectares (20.7 acres) and is situated immediately to the north of the existing quarry and under the same land-ownership. There are two existing access entrances into the existing quarry and it is proposed to use the existing road allowance r.o.w. Plan 59106 into Lot 1 for access. A four wheel drive/dozer road runs along the common boundary with the quarry and provides access to the bench terraces. No new access or entrance is required from Sylvester Road for the development as planned. The site is covered by trees and a buffer of trees and natural vegetation will be retained along Sylvester Road. Selective logging has taken place over the past 40 years, including most recent logging in 1996/97.

Geology

The rock is medium to coarse grained quartz diorite composed typically of 60-70% plagioclase feldspar, 15-30% quartz, 5-10% biotite and minor amounts of orthoclase feldspar and hornblende. No pyrite or other sulphides have ever been noted. The site is part of a much larger crystalline intrusive body within the Coast Crystalline Complex. No significant faults or shears are known to exist. Some till and gravelly slopewash deposits occur but are shallow in depth. A thin topsoil covers parts of the site.

Rock Reserves

The site has been divided into two mining phases for development, and matches into the existing quarry, and benching system. Estimated in-situ rock reserves have been calculated as follows based on the submitted mine plan:

Phase 1	700,000 cubic metres	1,855,000 tonnes
Phase 2	550,000 cubic metres	1,457,000 tonnes
<hr/>		
Total	1,250,000 cubic metres	3,312,000 tonnes

A tonnage factor of 2.65 tonnes per cubic metre was used in calculating the reserves. Estimated rock production is 80,000 cu.metres per year.

Mining and Reclamation Plan

The mining plan is based on continuing the current practice of using either an 8 metre by 8 metre or 10 metre by 10 metre bench system, but leaving terraces of approximately 40 metres in width upon completion of quarrying. These terraces will then be suitable for other uses or reclaimed to grasses and trees, depending on land use zoning at the time of completion.

Conventional drilling and blasting will be employed as is currently practiced. As higher benches are reached the broken rock will be bulldozed over successive benches to the processing area. A 4 x 4 and dozer access road will be carried to each bench elevation as progress continues but no haul road as such will be provided. Explosives storage magazines are currently in place under existing permits on Sylvester Quarry. The broken rock after blasting and dozing is loaded out by a Front End loader with an Excavator assisting and keeping the workings face clear of loose debris. A mobile crushing and screening plant is brought onto the quarry as required to process the rock into various product sizes of aggregate. Larger rocks called rip-rap rock is produced as a dyke and river bank protection for the Lower Mainland area..

In addition to a natural vegetation and tree buffer being maintained alongside Sylvester Road a berm of rock/overburden material will be constructed parallel to the buffer and continuing from the existing quarry. This berm reduces noise, dust and vibration to the surrounding area. All soils and loose overburden material will be excavated off the solid rock and stockpiled in berms and sloped stockpiles on the site for future use in reclamation of the site after mining.

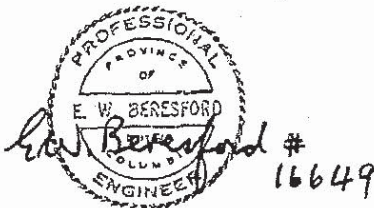
Berms, stockpiles and any reclaimed areas will be seeded to grass to prevent erosion and green up the disturbed areas. Water run-off from the site will be collected by a collector ditch and diverted into the existing settling pond for settlement prior to entering the road ditch system.

Summary

The extension to the existing Sylvester Road quarry will provide a good supply of rip-rap rock and aggregates to serve the local area with the minimum disturbance and without any significant environmental effects. At the production rate as planned of approximately 80,000 cu.metres per year, the subject property will provide between 15 to 20 years of rock supply based on the current mine development plan.

Quarrying experience at the Sylvester Road quarry over the past 20 years has shown the rock strata to be strong and free of any geological structures which might contribute to stability problems.

The benching design is conservative from a geo-technical point of view with an average overall slope of 45 degrees, giving a stable land form during and after mining development is completed.



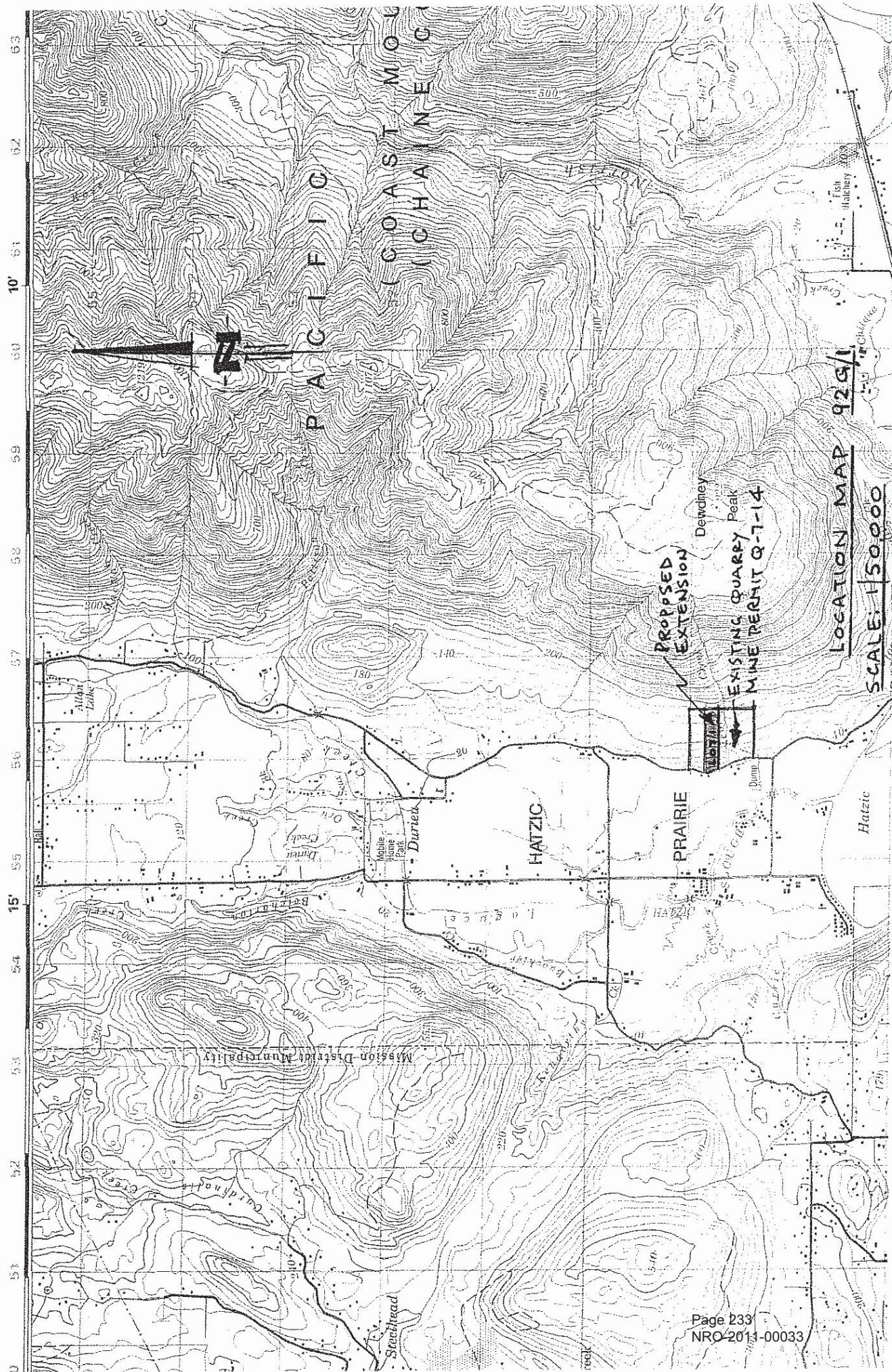
Eric W. Beresford, P. Eng.
Mining Consultant
February 28, 2007

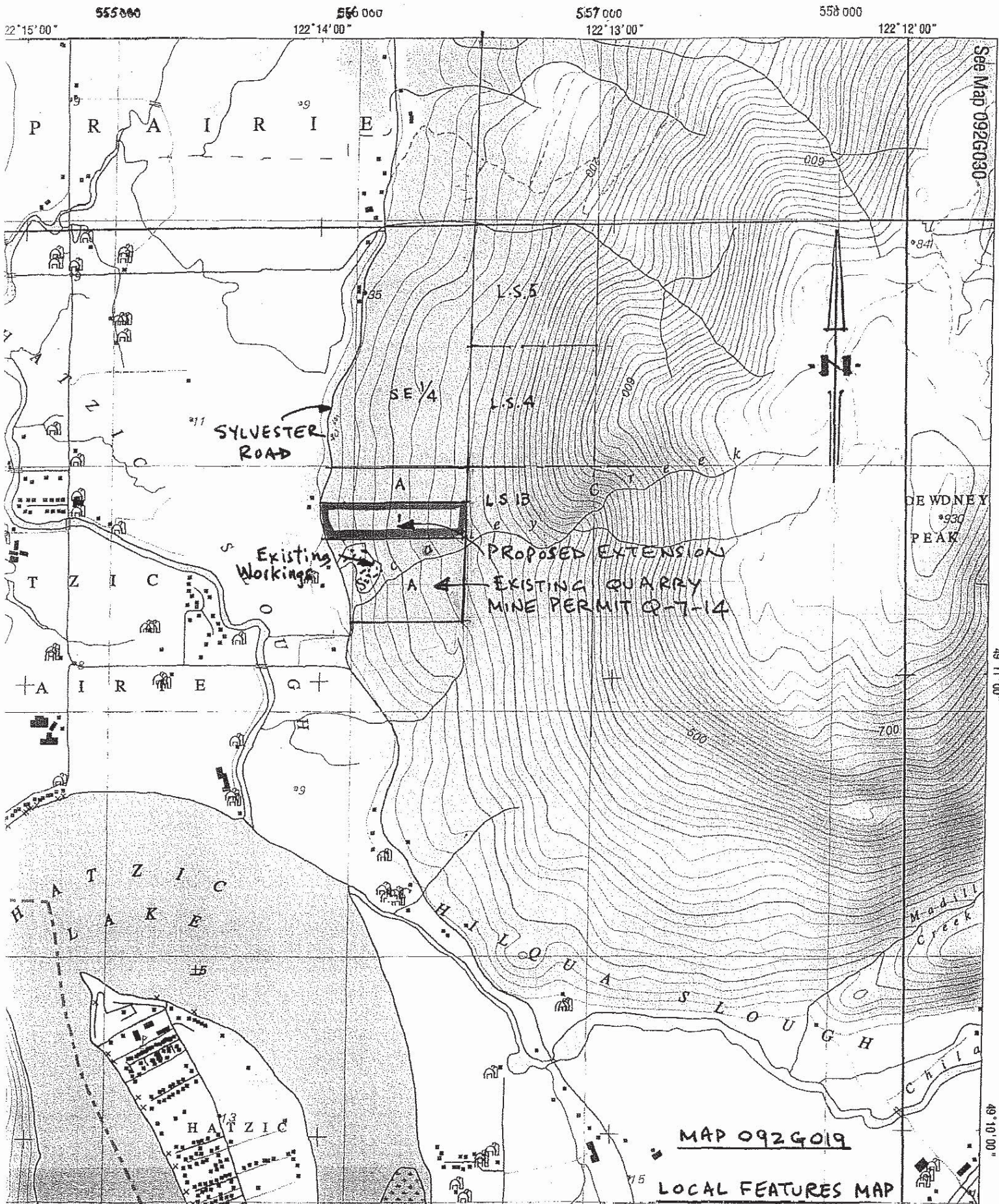
W.B. 2
C.P. 1

92 G/1

1/50 000

MISSION





See Map 092G030

MAP 092G019

LOCAL FEATURES MAP

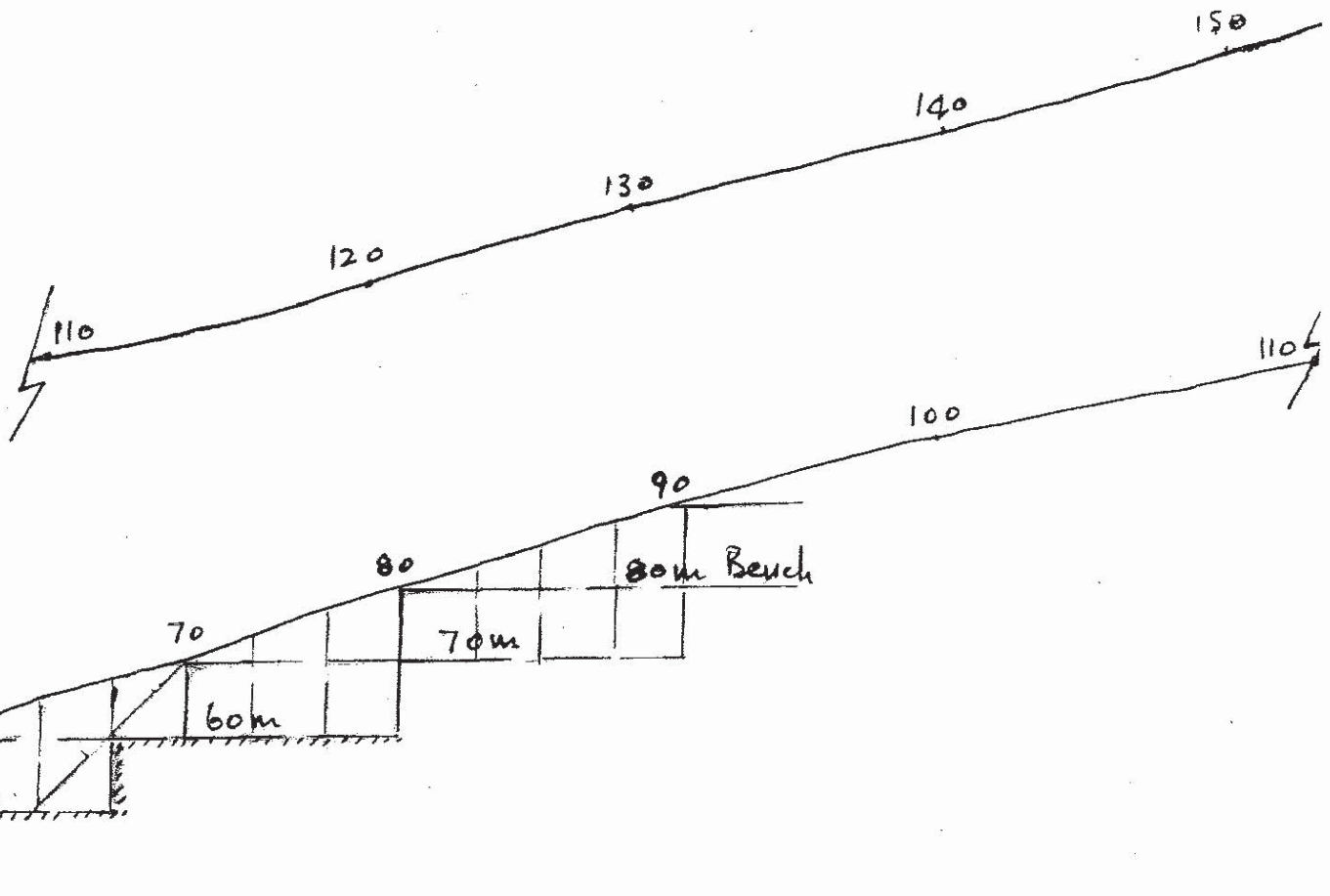
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1:20,000

092G019

Mission

East Property
Boundary →

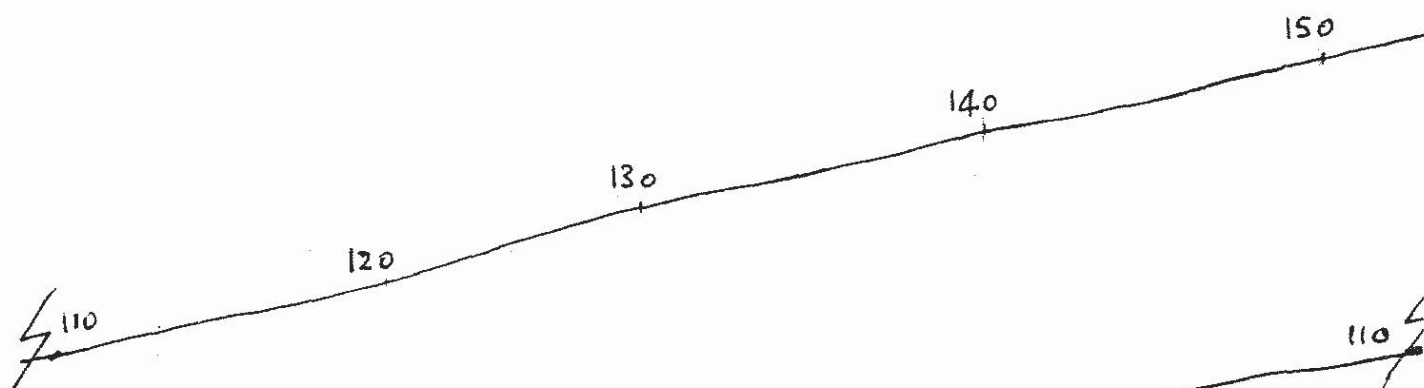


SECTION A-A

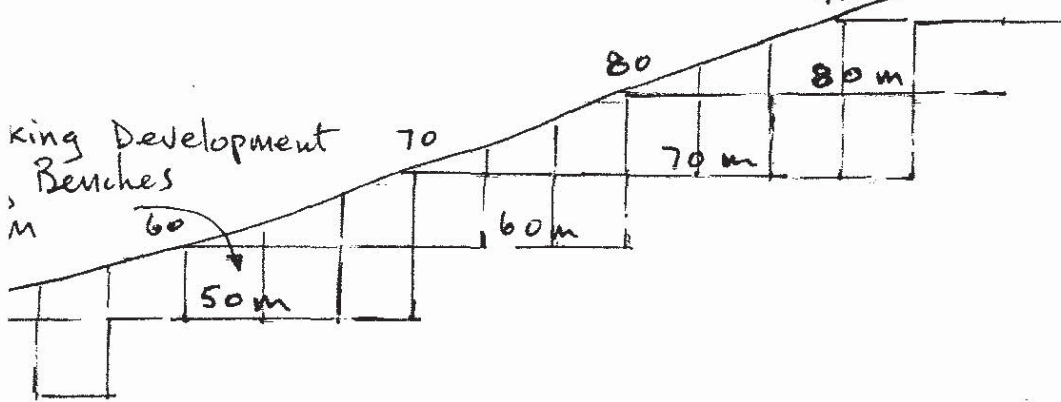
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SYLVESTER ROAD QUARRY EXTENSION

EAST PROPER
BOUNDARY



King Development
Benches

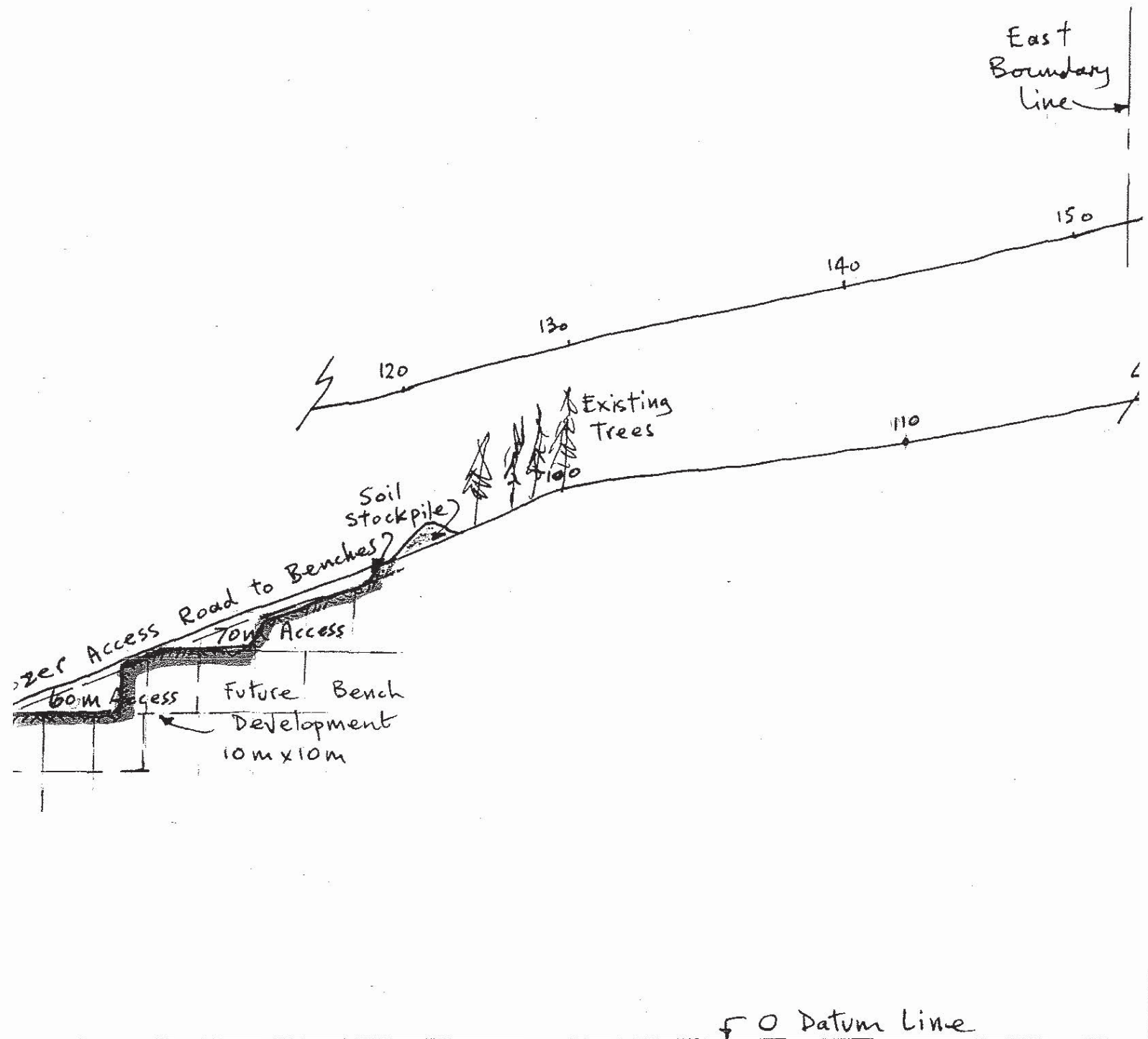


0 metre Datum Line

SECTION B-B

Horizontal & Vertical Scale: 1/1000

SYLVESTER ROAD QUARRY EXTENSION

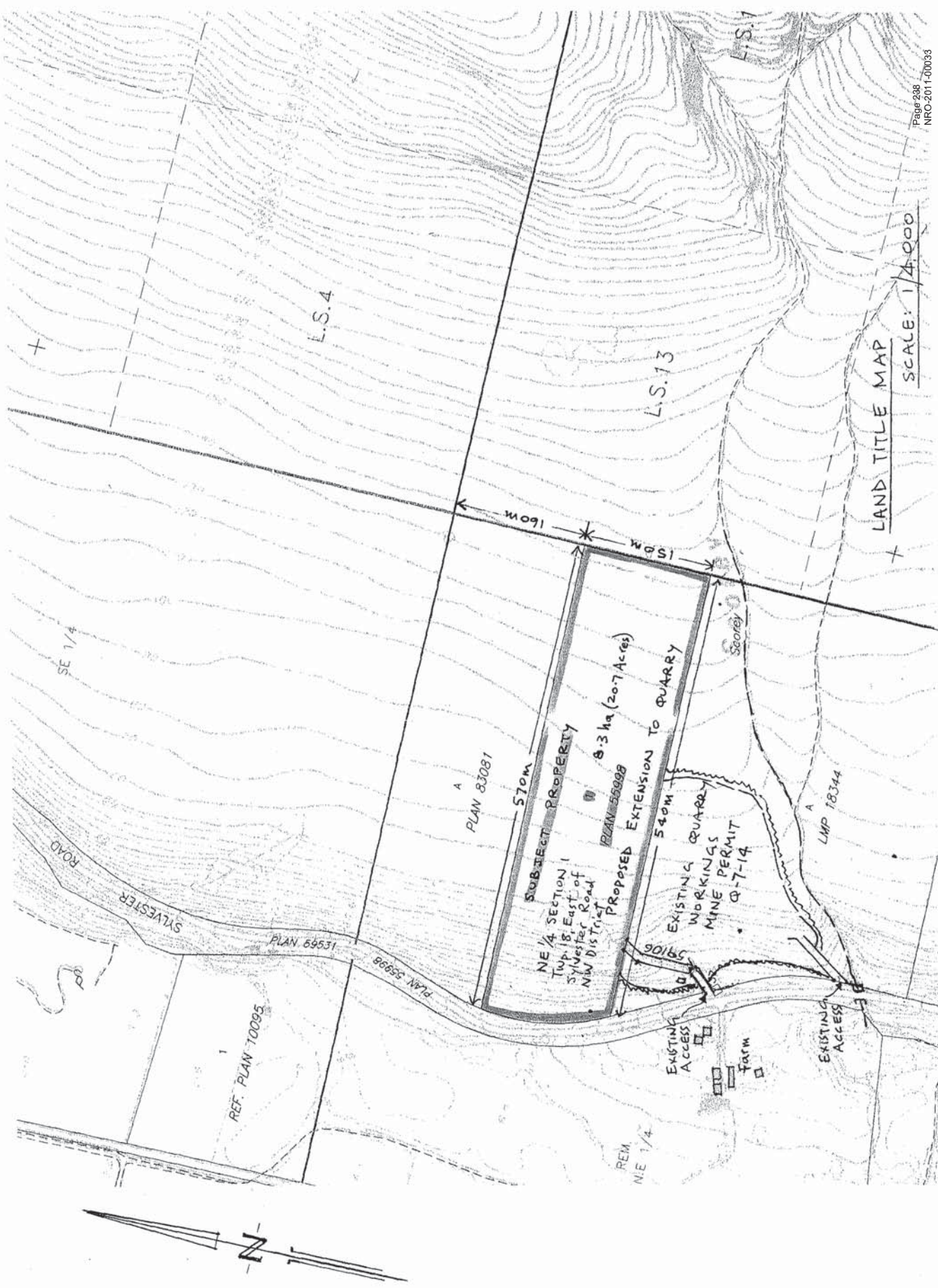


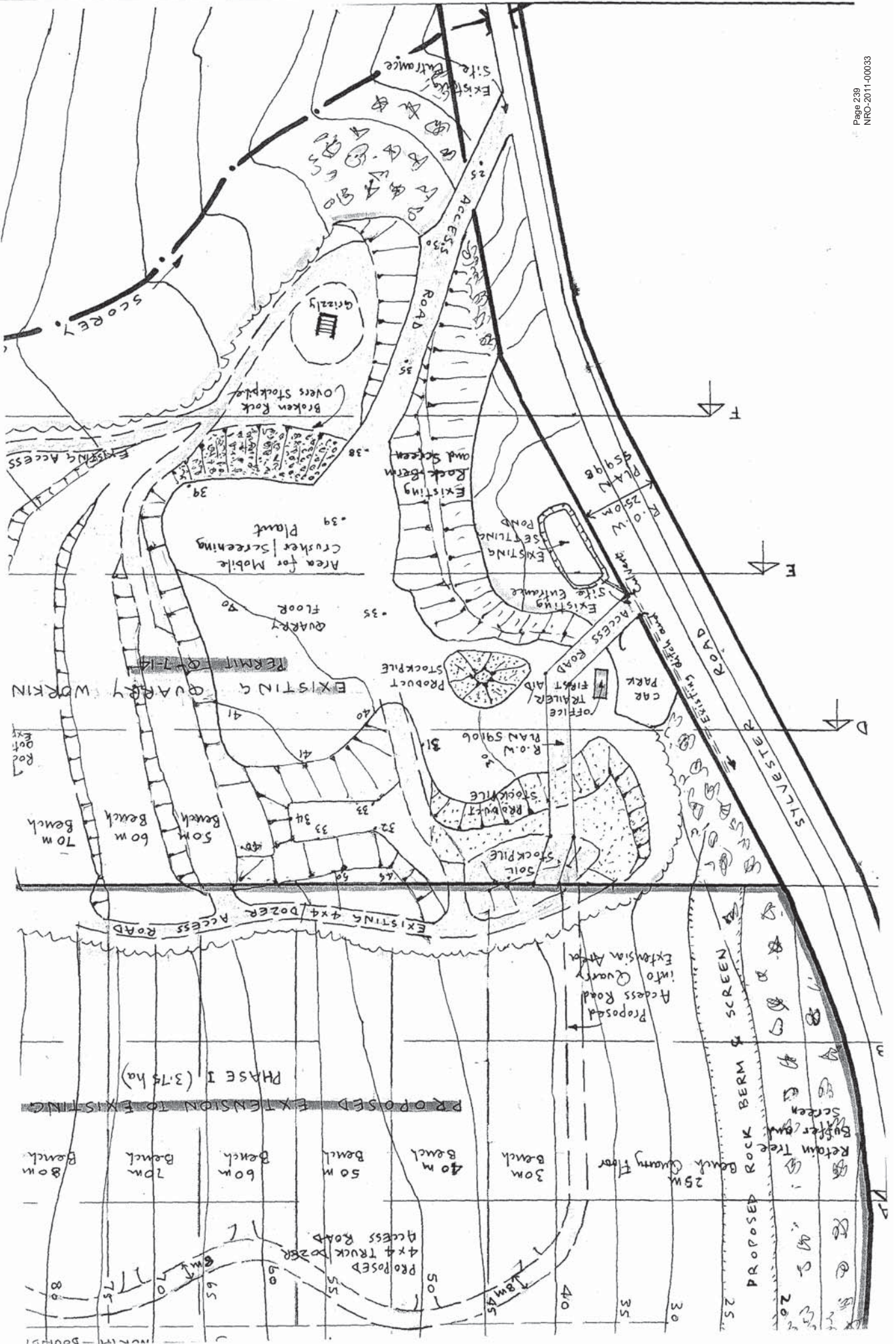
SECTION C-C

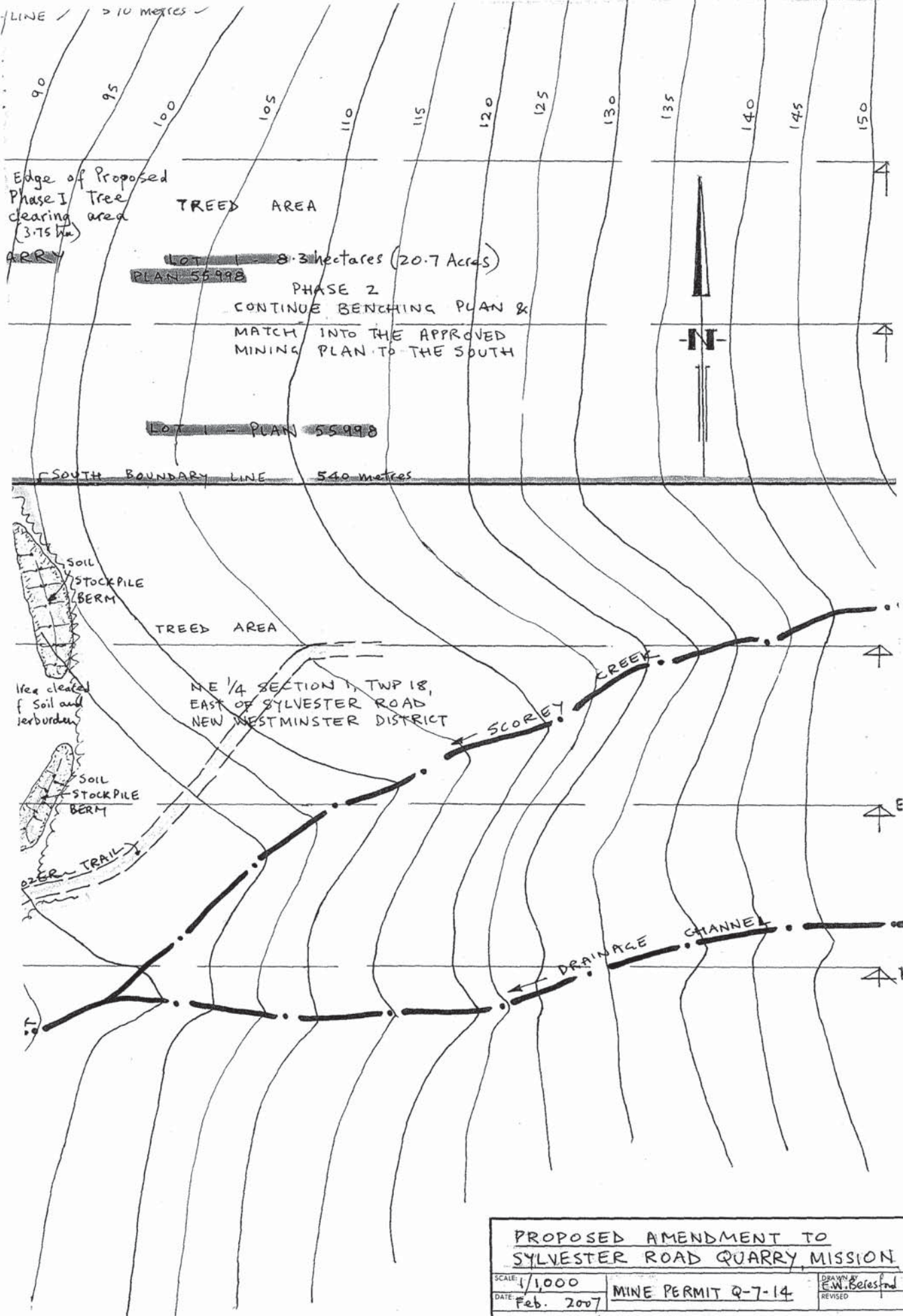
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SYLVESTER ROAD QUARRY

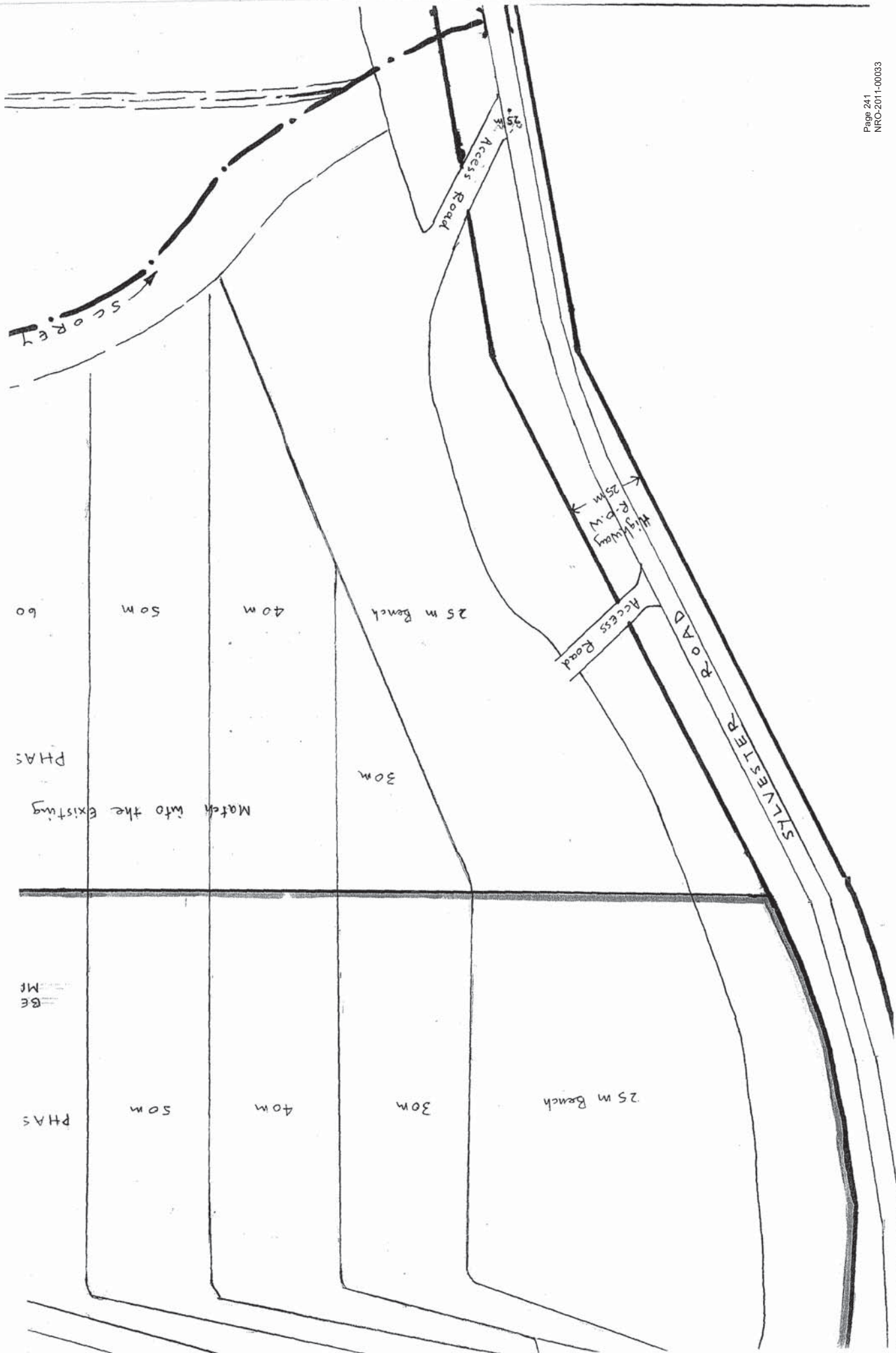
LAND TITLE MAP
SCALE: 1/4000



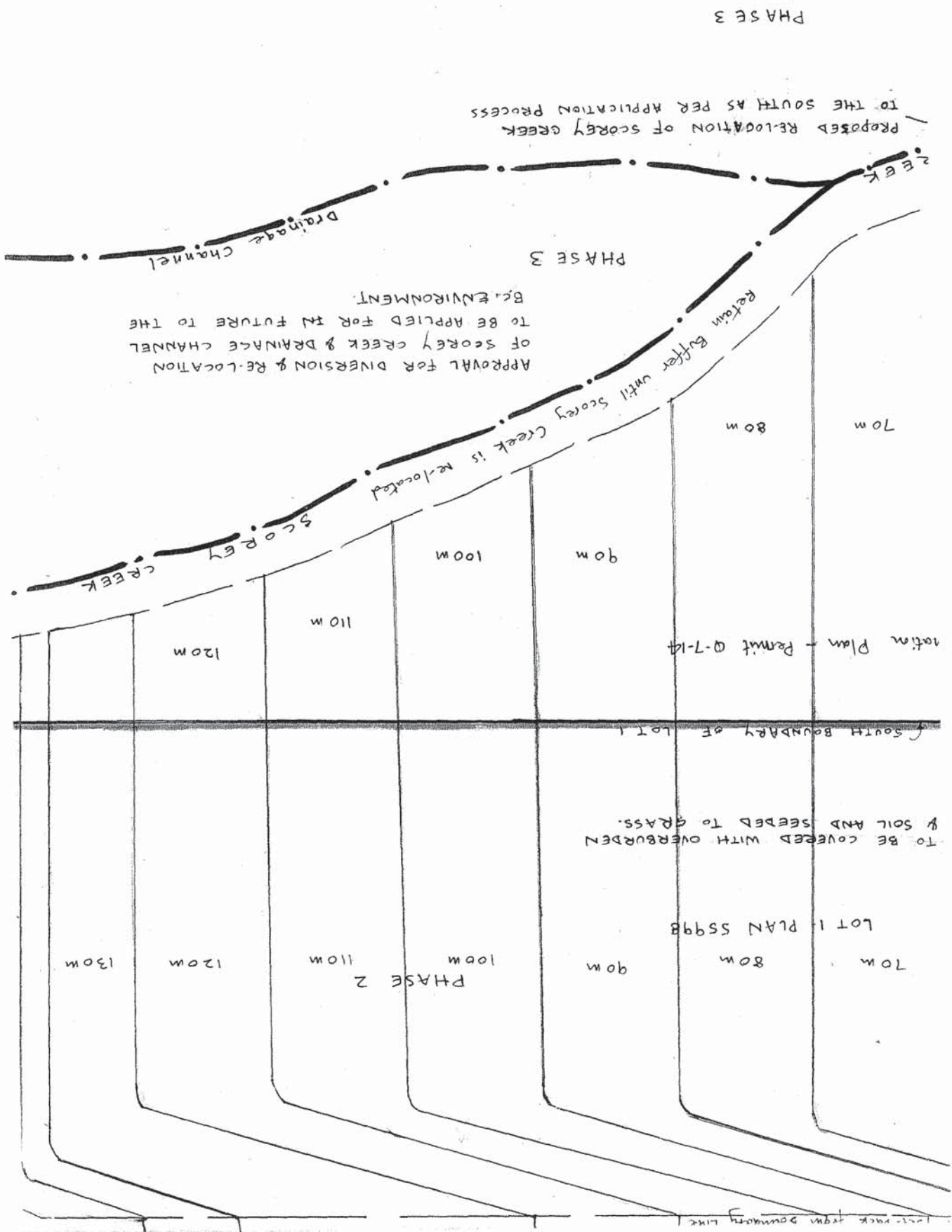


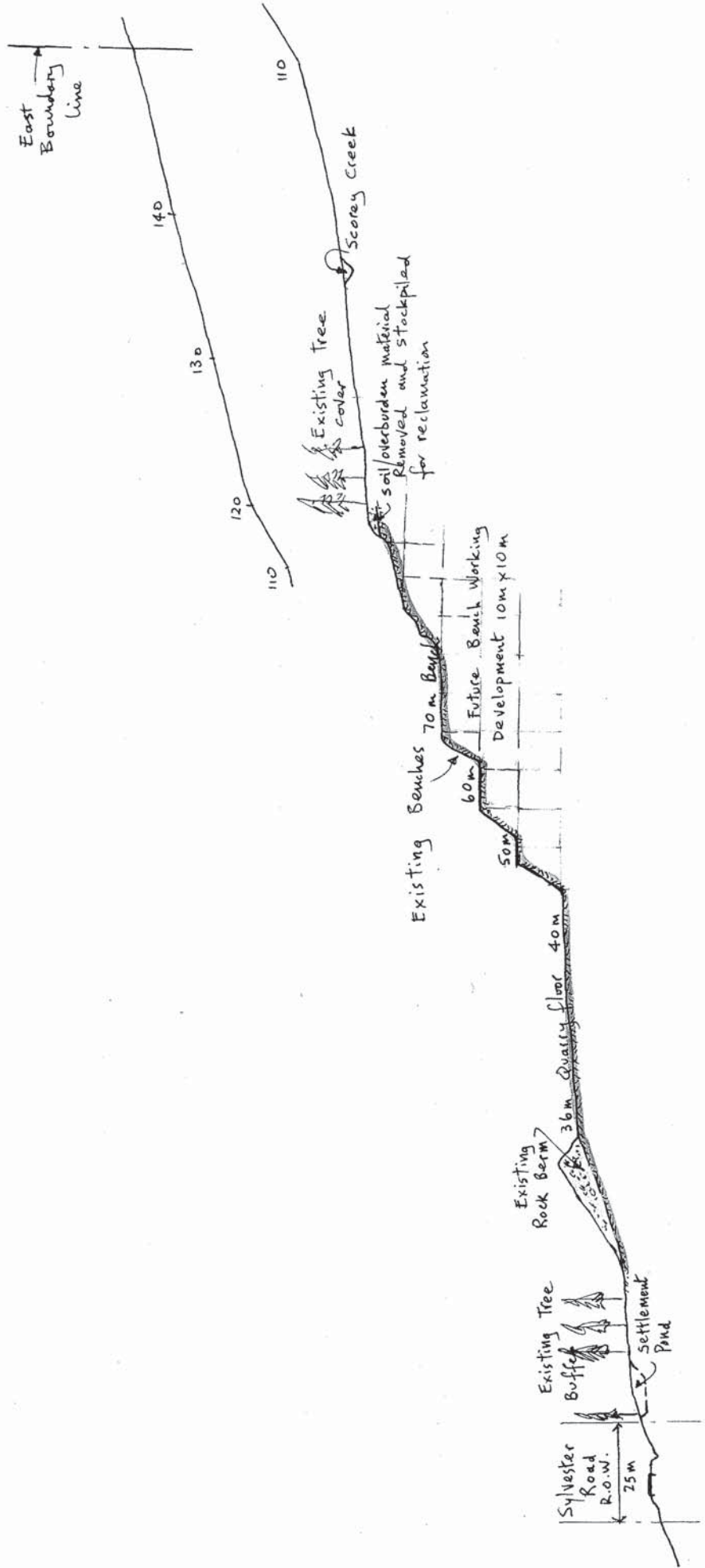


PROPOSED AMENDMENT TO SYLVESTER ROAD QUARRY MISSION		
SCALE: 1/1,000	MINE PERMIT Q-7-14	DRAWN BY E.W. Belesford P. REVISED
DATE: Feb. 2007	MINING DEVELOPMENT PLAN AT LOT 1, PLAN N° 55998, NE 1/4 SEC. 1, TWP 18, N	
EKSET CONTRACTING LTD		Page 240 DRAWING NUMBER NRO-2011-00033



PROPOSED AMENDMENT TO SYLVEST ROAD QUARRY, MISSION	
SCALE: 1/1000	DATE: Feb. 2007
MINE PERMIT Q-7-14	
DRAWN BY: E.W. Beresford	
PROPOSED FINAL RECLAMATION PLAN FOR LOT 1 - PLAN N° 55998	
PROJECT: MINE PERMIT Q-7-14	

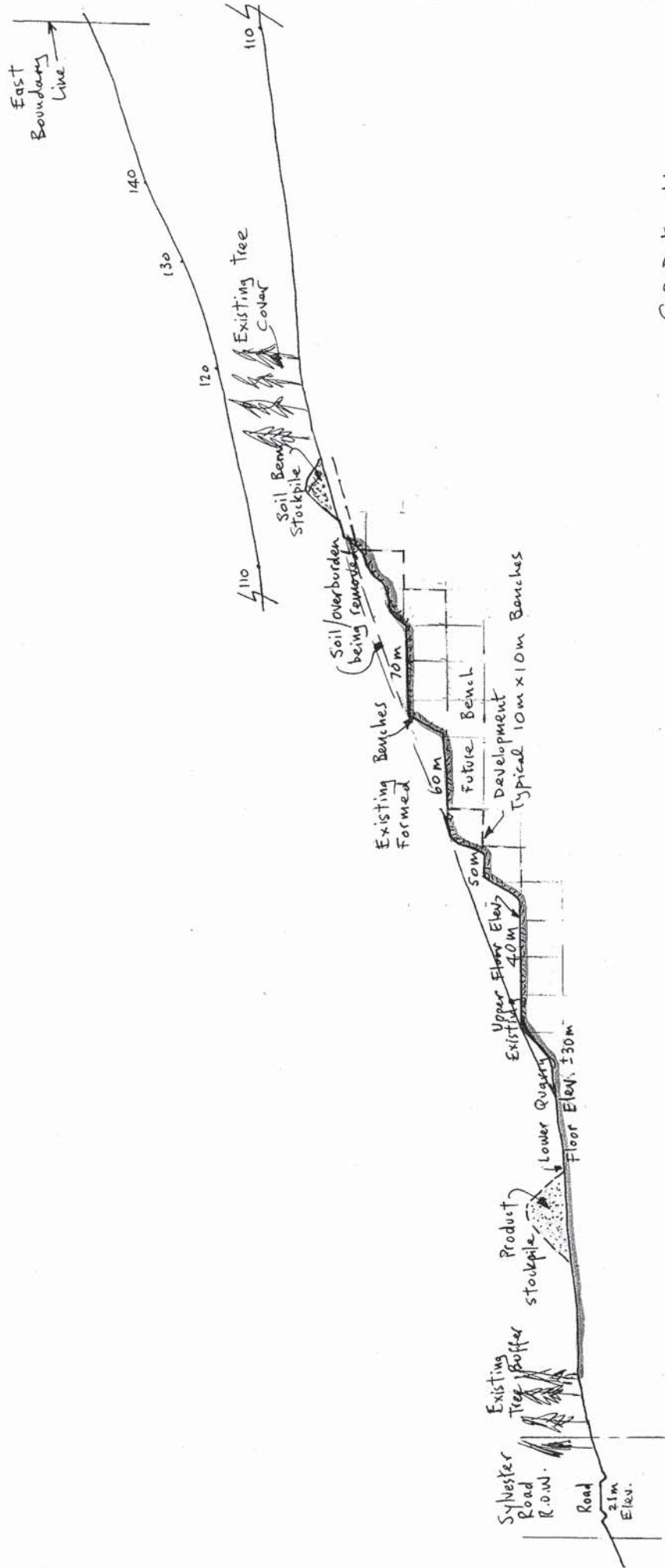




SECTION E-E

Horizontal & Vertical Scale: 1/1000

SYLVESTER ROAD QUARRY



SECTION D-D

Horizontal & Vertical Scale: 1/1000

SYLVESTER ROAD QUARRY



April 25, 2006

File: 1610176

Brent Palmer
Manager
Little Rock Quarries Ltd.
4535 Ross Road
Abbotsford BC V4X 1Z5

Dear Mr. Palmer,

Re: Mines Act Permit G-7-217
Approval # 05-1610176-1027
Property: Upper Ross Road - Little Rock Quarries

Please find enclosed your Mines Act permit which authorizes sand & gravel activities as detailed in the Notice of Work and Reclamation Program dated *June 9, 2005*. The Notice of Work and Reclamation Program forms part of the permit and you are reminded that you may not depart from the permitted program without written authorization.

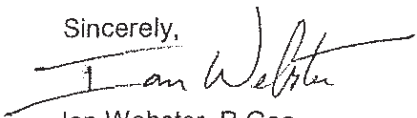
Please ensure that you and all persons who are carrying out sand & gravel activities under this permit comply with all terms and conditions, and are familiar with the approved work program. Pursuant to part 9.2.1 (2) of the Health, Safety and Reclamation Code for Mines in British Columbia (Code), please ensure that legible copies of all permits and authorizations are maintained at the work site.

It is your responsibility to comply with the terms and conditions of all other permits and authorizations which you may have been issued and other applicable legislation. Please take note that the permit does not constrain the City of Abbotsford with respect to enforcing their by-laws. Accordingly, although you have a Mines Act permit that authorizes certain activities pursuant to the Mines Act, you must still comply with the existing by-laws.

The operator shall comply with terms and conditions specified by the Agricultural Land Commission and Fisheries and Oceans Canada. Noting however that the Aggregate Best Management Practices Handbook for BC is to be used as a guideline and you as the mine manager may apply ingenuity and innovation to improve your practices beyond those set out in that document.

Upon completion of mining and reclamation at the site, please advise in writing to close the permit.

Sincerely,


Ian Webster P.Geol.
Inspector of Mines

Encl. Permit / Notice of Work

PROVINCE OF BRITISH COLUMBIA
MINISTRY OF ENERGY, MINES AND PETROLEUM RESOURCES

SAND AND GRAVEL PERMIT
APPROVING WORK SYSTEM AND RECLAMATION PROGRAM
(Issued pursuant to Section 10 of the **Mines Act** R.S.B.C. 1996, C.293)

Permit: **G-7-217**

Mine No.: **1610176**

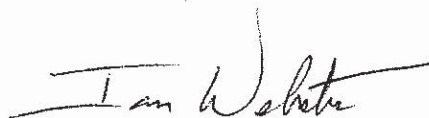
Issued to: **Little Rock Quarries Ltd.**
4535 Ross Road
Abbotsford BC V4X 1Z5

for work located at the following property:

Upper Ross Road

This approval and permit is subject to the appended conditions.

Issued this 25th day of April in the year 2006.



FOR :

F.W. Hermann, P. Eng.
Chief Inspector of Mines

PREAMBLE

Notice of intention to commence work on a sand and gravel pit, including a plan of the proposed work system and a program for the protection and reclamation of the surface of the land and watercourses affected by the Notice of Work dated Friday, June 9, 2005 was filed with the Inspector of Mines on Friday, June 10, 2005. Notice of such filing was published in The Abbotsford News on September 15, 2005 and in the Gazette on September 15, 2005.

This permit contains the requirements of the Ministry of Energy, Mines and Petroleum Resources for reclamation. It is also compatible, to the extent possible, with the requirements of other provincial ministries or agencies for reclamation issues. The amount of security required by this permit, and the manner in which this security may be applied, will also reflect the requirements of those ministries or agencies. Nothing in this permit, however, limits the authority of other provincial ministries or agencies to set other conditions, or to act independently, under their respective permits and legislation.

Decisions made by staff of the Ministry of Energy, Mines and Petroleum Resources will be made in consultation with other ministries.

CONDITIONS

The Chief Inspector of Mines (Chief Inspector) hereby approves the work plan and the program for protection and reclamation of the land surface and watercourses subject to compliance with the following conditions:

1. Reclamation Security

- (a) The Ministry of Energy, Mines and Petroleum Resources waives the requirement for a security bond providing the Agricultural Land Commission and Fisheries and Oceans Canada are in receipt of the bonds that they have requested and they confirm in writing to this Ministry that they will accept responsibility for reclamation in the event that Little Rock Quarries Ltd. are unable to fulfill their responsibility in this regard.
- (b) The Permittee shall conform to all Ministry of Environment approval, licence and permit conditions, as well as requirements under the **Wildlife Act**. Should the Permittee not conform to these conditions, all or part of the security may be used to fulfill these requirements.

2. Land Use

The surface of the land and watercourses shall be reclaimed to the following land use: agricultural.

3. Productivity

The level of land productivity to be achieved on reclaimed areas shall not be less than existed prior to mining on an average property basis unless the Permittee can provide evidence, which demonstrates, to the satisfaction of the Chief Inspector, the impracticality of doing so.

4. Revegetation

Land shall be re-vegetated to a self-sustaining state using appropriate plant species.

5. Use of Suitable Growth Medium

- (a) On all lands to be revegetated, the growth medium shall satisfy land use, productivity, and water quality objectives. Topsoil and overburden (to rooting depth) shall be removed from operational areas prior to any disturbance of the land and stockpiled separately on the property for use in reclamation programs, unless the Permittee can provide evidence, which demonstrates, to the satisfaction of the Chief Inspector, that reclamation objectives can otherwise be achieved.
- (b) No topsoil shall be removed from the property without the specific written permission of the Inspector of Mines.

6. Buffer Zones and Berms

Buffer zones and/or berms shall be established between the mine and the property boundary unless exempted in writing by the Inspector of Mines.

7. Treatment of Structures and Equipment

Prior to abandonment, and unless the Chief Inspector has made a ruling otherwise, such as heritage project consideration or industrial use,

- (a) all machinery, equipment and building superstructures shall be removed,
- (b) concrete foundations shall be covered and revegetated unless, because of demonstrated impracticality, they have been exempted by the Inspector, and
- (c) all scrap material shall be disposed of in a manner acceptable to the Inspector.

8. Watercourses

- (a) Watercourses shall be reclaimed to a condition that ensures
 - (1) long-term water quality is maintained to a standard acceptable to the Chief Inspector,
 - (2) drainage is restored either to original watercourses or to new watercourses which will sustain themselves without maintenance, and
 - (3) use and productivity objectives are achieved and the level of productivity shall not be less than existed prior to mining unless the Permittee can provide evidence which demonstrates, to the satisfaction of the Chief Inspector, the impracticality of doing so.
- (b) Water which flows from disturbed areas shall be collected and diverted into settling ponds.

9. Roads

- (a) All roads shall be reclaimed in accordance with land use objectives unless permanent access is required to be maintained.

(b) Individual roads will be exempted from the requirement for total reclamation under condition 9(a) if either:

- (1) the Permittee can demonstrate that an agency of the Crown has explicitly accepted responsibility for the operation, maintenance and ultimate deactivation and abandonment of the road, or
- (2) the Permittee can demonstrate that another private party has explicitly agreed to accept responsibility for the operation, maintenance and ultimate deactivation and abandonment of the road and has, in this regard, agreed to comply with all the terms and conditions, including bonding provisions, of this reclamation permit, and to comply with all other relevant provincial government (and federal government) regulatory requirements.

10. Disposal of Fuels and Toxic Chemicals

Fuels and lubricants shall not be stored onsite unless the storage facility conforms to "Field Guide to Fuel Handling – Transportation and Storage" 3rd Edition, February 2005, Ministry of Water Land and Air Protection". Fuels, chemicals or reagents, which cannot be returned to the manufacturer/supplier, are to be disposed of as directed by the Chief Inspector in compliance with municipal, regional, provincial and federal statutes.

11. Temporary Shutdown

If this sand and gravel pit ceases operation for a period longer than one year the Permittee shall either continue to carry out the conditions of the permit or apply for an amendment setting out a revised program for approval by the Chief Inspector.

12. Safety Provisions

All safety and other provisions of the **Mines Act** shall be complied with to the satisfaction of the Chief Inspector.

13. Monitoring

The Permittee shall undertake monitoring programs, as required by the Inspector of Mines, to demonstrate that reclamation objectives are being achieved.

14. Alterations to the Program

Substantial changes to the program must be submitted to the Inspector of Mines for approval.

15. Notice of Closure

Pursuant to Part 10.5.1 of the Health, Safety and Reclamation Code for Mines in British Columbia, a Notice of Completion of Work shall be filed with the Inspector of Mines not less than seven days prior to cessation of work.

16. Annual Report

Annual reports shall be submitted as required by the Inspector of Mines.

17. Site Stability

- a) The Inspector of Mines shall be advised in writing at the earliest opportunity of any unforeseen conditions that could adversely affect the extraction of materials, site stability, erosion control or the reclamation of the site.
- b) The stability of the slopes shall be maintained at all times and erosion shall be controlled at all times.
- c) The discovery of any significant subsurface flows of water, seeps, substantial amounts of fine textured, soils, silts and clays, shall be reported to the Inspector of Mines as soon as possible and work shall cease until the inspector advises otherwise.

SPECIAL CONDITIONS:

(a) Mine development shall be conducted as outlined in the Notice of Work and Reclamation dated June 9, 2005, materials prepared by Golder Associates, Welder Engineering plans dated August 29, 2005 and Waechter Creek protection recommendations, dated June 28, 2005, prepared by Scott Resource Services Ltd.

(b) Permit authorizes gravel extraction, crushing, screening, stockpiling, loadout and reclamation activities. Gravel washing operations are not approved as part of this work authorization.

- (c) Property boundaries, right of ways, limits of pit development, environmental setbacks, etc shall be marked prior to commencing operations. Such marking shall be maintained over the course of pit operations.
- (d) Pit runoff water shall not be allowed free access to any surface water and is to be impounded and/or treated to the satisfaction of the Ministry of Environment prior to discharge.
- (e) Topsoil shall not be removed from site and shall be stockpiled for pit reclamation purposes.
- (f) Upon completion of aggregate extraction activities, reclamation shall be carried out as per the mine plan included with this application.
- (g) Where left exposed, final pit walls shall be sloped at 2 horizontal units to 1 vertical unit, or flatter, and graded into the existing landscape.
- (h) Excavation shall not exceed a depth greater than 2 metres above the ground water table.
- (i) Any oil or fuel spills shall be cleaned up immediately and disposed of in an appropriate manner. An Emergency Response Plan that includes provisions to deal with a potential fuel spill shall be established and made available to an inspector. A spill confinement kit shall be maintained on site during the course of operations. Stationary engines shall be provided with appropriately designed drip pans.
- (j) All waste containers and garbage shall be removed from the site at the earliest possible opportunity.
- (k) The site shall not be used for any purpose unrelated to the development and extraction of the aggregate resources. Disused or damaged equipment shall not be stored on site and the pit shall not be used for the disposal of garbage, toxic materials or petroleum wastes.
- (l) Production is limited to 225,000 tonnes per year.



November 2, 2005

File:1610176 ML SG LROCK

Brent Palmer
Manager
Little Rock Quarries
4535 Ross Road
Abbotsford BC V4X 1Z5

Dear: Brent Palmer

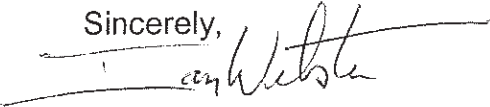
**Re: Application for Mines Act Approvals Proposed Sand and Gravel Pit
Located at: Little Rock Quarries, 2676 Ross Road, Abbotsford B.C.**

Please find included in this fax transmission a draft Mines Act permit dated October 27, 2005.

You are reminded that no work may commence until you have posted the necessary securities with the Agricultural Land Commission and the City of Abbotsford and received your reclamation permit.

It will be a condition of the issuance of your permit that the Ministry of Energy, Mines and Petroleum Resources receives written confirmation from the Agricultural Land Commission and the City of Abbotsford that they will accept reclamation responsibilities in the event that Little Rock Quarries Ltd. is unable to do so.

Sincerely,


Ian Webster P. Geo.
Inspector of Mines

Cc: Agricultural Land Commission
City of Abbotsford

PROVINCE OF BRITISH COLUMBIA
MINISTRY OF ENERGY, MINES AND PETROLEUM RESOURCES

SAND AND GRAVEL PERMIT
APPROVING WORK SYSTEM AND RECLAMATION PROGRAM
(Issued pursuant to Section 10 of the **Mines Act** R.S.B.C. 1996, C.293)

Permit: **G-7-217**

Mine No.: **1610176**

Issued to: **Little Rock Quarries**
4535 Ross Road
Abbotsford BC V4X 1Z5

for work located at the following property:

Little Rock Quarries - Upper Ross

This approval and permit is subject to the appended conditions.

Issued this 27th day of October in the year 2005.

F.W. Hermann, P. Eng.
Chief Inspector of Mines

PREAMBLE

Notice of intention to commence work on a sand and gravel pit, including a plan of the proposed work system and a program for the protection and reclamation of the surface of the land and watercourses affected by the Notice of Work dated Friday, June 9, 2005 was filed with the Inspector of Mines on Friday, June 10, 2005. Notice of such filing was published in The Abbotsford News on September 15, 2005 and in the Gazette on September 15, 2005.

This permit contains the requirements of the Ministry of Energy and Mines for reclamation. It is also compatible, to the extent possible, with the requirements of other provincial ministries or agencies for reclamation issues. The amount of security required by this permit, and the manner in which this security may be applied, will also reflect the requirements of those ministries or agencies. Nothing in this permit, however, limits the authority of other provincial ministries or agencies to set other conditions, or to act independently, under their respective permits and legislation.

Decisions made by staff of the Ministry of Energy and Mines will be made in consultation with other ministries.

CONDITIONS

The Chief Inspector of Mines (Chief Inspector) hereby approves the work plan and the program for protection and reclamation of the land surface and watercourses subject to compliance with the following conditions:

1. Reclamation Security

- (a) The Ministry of Energy, Mines and Petroleum Resources waives the requirement for a security bond providing the Agricultural Land Commission and the City of Abbotsford are in receipt of the bonds that they have requested and they confirm in writing to this Ministry that they will accept responsibility for reclamation in the event that Little Rock Quarries Ltd. are unable to fulfill their responsibility in this regard.
- (b) The Permittee shall conform to all Ministry of Environment approval, licence and permit conditions, as well as requirements under the **Wildlife Act**. Should the Permittee not conform to these conditions, all or part of the security may be used to fulfill these requirements.

2. Land Use

The surface of the land and watercourses shall be reclaimed to the following land use: agricultural.

3. Productivity

The level of land productivity to be achieved on reclaimed areas shall not be less than existed prior to mining on an average property basis unless the Permittee can provide evidence, which demonstrates, to the satisfaction of the Chief Inspector, the impracticality of doing so.

4. Revegetation

Land shall be re-vegetated to a self-sustaining state using appropriate plant species.

5. Use of Suitable Growth Medium

(a) On all lands to be revegetated, the growth medium shall satisfy land use, productivity, and water quality objectives. Topsoil and overburden (to rooting depth) shall be removed from operational areas prior to any disturbance of the land and stockpiled separately on the property for use in reclamation programs, unless the Permittee can provide evidence, which demonstrates, to the satisfaction of the Chief Inspector, that reclamation objectives can otherwise be achieved.

(b) No topsoil shall be removed from the property without the specific written permission of the Inspector of Mines.

6. Buffer Zones and Berms

Buffer zones and/or berms shall be established between the mine and the property boundary unless exempted in writing by the Inspector of Mines.

7. Treatment of Structures and Equipment

Prior to abandonment, and unless the Chief Inspector has made a ruling otherwise, such as heritage project consideration or industrial use,

- (a) all machinery, equipment and building superstructures shall be removed,
- (b) concrete foundations shall be covered and revegetated unless, because of demonstrated impracticality, they have been exempted by the Inspector, and
- (c) all scrap material shall be disposed of in a manner acceptable to the Inspector.

8. Watercourses

- (a) Watercourses shall be reclaimed to a condition that ensures
 - (1) long-term water quality is maintained to a standard acceptable to the Chief Inspector,
 - (2) drainage is restored either to original watercourses or to new watercourses which will sustain themselves without maintenance, and
 - (3) use and productivity objectives are achieved and the level of productivity shall not be less than existed prior to mining unless the Permittee can provide evidence which demonstrates, to the satisfaction of the Chief Inspector, the impracticality of doing so.
- (b) Water which flows from disturbed areas shall be collected and diverted into settling ponds.

9. Roads

- (a) All roads shall be reclaimed in accordance with land use objectives unless permanent access is required to be maintained.

(b) Individual roads will be exempted from the requirement for total reclamation under condition 9(a) if either:

- (1) the Permittee can demonstrate that an agency of the Crown has explicitly accepted responsibility for the operation, maintenance and ultimate deactivation and abandonment of the road, or
- (2) the Permittee can demonstrate that another private party has explicitly agreed to accept responsibility for the operation, maintenance and ultimate deactivation and abandonment of the road and has, in this regard, agreed to comply with all the terms and conditions, including bonding provisions, of this reclamation permit, and to comply with all other relevant provincial government (and federal government) regulatory requirements.

10. Disposal of Fuels and Toxic Chemicals

Fuels and lubricants shall not be stored onsite unless the storage facility conforms to "Field Guide to Fuel Handling – Transportation and Storage" 3rd Edition, February 2005, Ministry of Water Land and Air Protection". Fuels, chemicals or reagents, which cannot be returned to the manufacturer/supplier, are to be disposed of as directed by the Chief Inspector in compliance with municipal, regional, provincial and federal statutes.

11. Temporary Shutdown

If this sand and gravel pit ceases operation for a period longer than one year the Permittee shall either continue to carry out the conditions of the permit or apply for an amendment setting out a revised program for approval by the Chief Inspector.

12. Safety Provisions

All safety and other provisions of the **Mines Act** shall be complied with to the satisfaction of the Chief Inspector.

13. Monitoring

The Permittee shall undertake monitoring programs, as required by the Inspector of Mines, to demonstrate that reclamation objectives are being achieved.

14. Alterations to the Program

Substantial changes to the program must be submitted to the Inspector of Mines for approval.

15. Notice of Closure

Pursuant to Part 10.5.1 of the Health, Safety and Reclamation Code for Mines in British Columbia, a Notice of Completion of Work shall be filed with the Inspector of Mines not less than seven days prior to cessation of work.

16. Annual Report

Annual reports shall be submitted as required by the Inspector of Mines.

17. Site Stability

- a) The Inspector of Mines shall be advised in writing at the earliest opportunity of any unforeseen conditions that could adversely affect the extraction of materials, site stability, erosion control or the reclamation of the site.
- b) The stability of the slopes shall be maintained at all times and erosion shall be controlled at all times.
- c) The discovery of any significant subsurface flows of water, seeps, substantial amounts of fine textured, soils, silts and clays, shall be reported to the Inspector of Mines as soon as possible and work shall cease until the inspector advises otherwise.

SPECIAL CONDITIONS:

(a) Mine development shall be conducted as outlined in the Notice of Work and Reclamation dated June 9, 2005, materials prepared by Golder Associates, Welder Engineering plans dated August 29, 2005 and Waechter Creek protection recommendations, dated June 28, 2005, prepared by Scott Resource Services Ltd.

(b) The operator shall comply with terms and conditions specified by the Agricultural Land Commission and the City of Abbotsford.

- (c) A pit manager shall be designated in writing prior to commencing operations (see section 21 on the Mines Act).
- (d) Permit authorizes gravel extraction, crushing, screening, stockpiling, loadout and reclamation activities. Gravel washing operations are not approved as part of this work authorization.
- (e) Property boundaries, right of ways, limits of pit development, environmental setbacks, etc shall be flagged prior to commencing operations. Such marking shall be maintained over the course of pit operations.
- (f) Pit runoff water shall not be allowed free access to any surface water and is to be impounded and/or treated to the satisfaction of the Ministry of Environment prior to discharge.
- (g) When more than 6 persons are engaged in mining activities in the pit, all operations shall be conducted under the supervision of a person holding a valid Open Pit Shiftboss Certificate.
- (h) Topsoil shall not be removed from site and shall be stockpiled for pit reclamation purposes.
- (i) Working face shall not exceed 2 metres above the reach of mobile equipment being utilized for excavation and loading.
- (j) Pit excavation shall be offset from adjacent property boundaries by 5 metres. This condition may be waived through a boundary agreement with an adjacent property owner.
- (k) Upon completion of aggregate extraction activities, reclamation shall be carried out as per the mine plan included with this application.
- (l) Where left exposed, final pit walls shall be sloped at 2 horizontal units to 1 vertical unit, or flatter, and graded into the existing landscape.
- (m) Excavation shall not exceed a depth greater than 2 metres above the ground water table.
- (n) Any oil or fuel spills shall be cleaned up immediately and disposed of in an appropriate manner. An Emergency Response Plan that includes provisions to deal with a potential fuel spill shall be established and made available to an

inspector. A spill confinement kit shall be maintained on site during the course of operations. Stationary engines shall be provided with appropriately designed drip pans.

(o) All waste containers and garbage shall be removed from the site at the earliest possible opportunity.

(p) The site shall not be used for any purpose unrelated to the development and extraction of the aggregate resources. Disused or damaged equipment shall not be stored on site and the pit shall not be used for the disposal of garbage, toxic materials or petroleum wastes.

s&g-perm/98-02-26

DRAFT



The information on this form and any supporting documents are subject to the *Freedom of Information and Protection of Privacy Act*. The information requested on this form is collected and used for the purpose of administering the *Mines Act & Health, Safety and Reclamation Code for Mines in British Columbia*. The *Mines Act* of British Columbia also authorizes the collection of the requested information on this form. The completed form is routinely available to the public. Questions about how the *Freedom of Information and Protection of Privacy Act* applies to the information collected on this form can be directed to the Information Access and Records Services Branch at (250) 952-0514; fax (250) 952-0739 or write to: PO Box 9325 Stn Prov Gov't, Victoria, British Columbia, V8W 9N3.

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: _____ E-mail Address: _____

Company (if applicable) Little Rock Quarries Ltd. attention: Brent PalmerAddress 4535 Ross RoadCity Abbotsford Bus. Phone (604) 309-3460Province B. C. Postal Code V4X 1Z5 Fax (604) 856-4538**LOCATION INFORMATION - Maps are mandatory under Schedule A**Name of Mine (What will the operation be called when in production?): Little Rock Quarries, Upper RossLegal Description of Property: Rem Lot 2, Sec 23, Tp 13, Plan 6497 NWDStreet Address of Property, if applicable: 2676 Ross RoadAccess route from nearest town to property: within the City of Abbotsford

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

Northing: _____ Easting: _____ UTM Zone: _____

or NTS Map Sheet Number(s) [i.e. NTS 093L/14E]: 92G/1dLatitude: 49 ° / 03 ' / 10 " Longitude: 122 ° / 24 ' / 00 "**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 L.P. Management Corp.Address 204-2316 McCallum Road (PO Box 2093)City Abbotsford Bus. Phone (604) 853-5805Province BC Postal Code V2T 3X8 Fax (604) 853-5867

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

Name: see attached Date: _____**b) Proposed mine is on Crown land:**

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

License of Occupation/Lease number: _____ Expiry date of Licence/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): _____

MANAGEMENTCorrespondence regarding this application should be sent to: ☐ Owner or ☒ Operator/AgentThe mine manager (*Mines Act* Sections 21 and 22) responsible for management and operation of the mine will be:Name: Brent Palmer Bus. Phone: (604) 309-3460

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): 14 cm, or _____ m

Average depth of topsoil (Surface to maximum rooting depth of plants, plus 15 cm.): 180 cm, or _____ m

Measures to stabilize soil/overburden stockpiles and control noxious weeds: stockpiles of soil and overburden will be seeded and monitored; appropriate mechanical or chemical weed control measures will be undertaken as required

**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: Notice of Intent has been submitted.

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 Licence?

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

Name of TFL holder: _____

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: Agricultural

Current land use zoning for the site is: Agricultural (Agricultural One Zone, City of Abbotsford)

Proposed end land use is: Agricultural

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): _____

see attached report "Aggregate Extraction and Reclamation Plan, 2676 Ross Road, Abbotsford, B.C." prepared by Golder Associates Ltd., June 6, 2005

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: see attached report "Aggregate Extraction and Reclamation Plan, 2676 Ross Road, Abbotsford, B.C." prepared by Golder Associates Ltd., June 6, 2005

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): 2005/08/01 Proposed finish date (y/m/d): 2010/07/31

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: _____ tonnes, or 1,278,000 m³

Estimated annual extraction from site: _____ tonnes/yr, or 255,600 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):

- | | |
|---|--|
| <input checked="" type="checkbox"/> Excavation of Pit Run | <input type="checkbox"/> Washing - please complete Schedule B |
| <input checked="" type="checkbox"/> Crushing | <input type="checkbox"/> Blasting - please complete Schedule C |
| <input checked="" type="checkbox"/> Mechanical Screening | <input type="checkbox"/> Timber Clearing * - estimate volume of timber: _____ m ³ |

* 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): _____
a description of the proposed extraction, fill and reclamation plans are contained in the attached report "Aggregate Extraction and Reclamation Plan, 2676 Ross Road, Abbotsford, B.C." prepared by Golder Associates Ltd., June 6, 2005

proposed hours of operation: Monday to Saturday from 7:00 am to 7:00 pm, Pacific Standard Time, and from 7:00 am to 9:00 pm, Pacific Daylight Savings Time, or as specified by the City of Abbotsford

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

Type of Machine	Make/Model	Size/Capacity	# on Site
Loaders	Caterpillar 980C	6 yd3	2
Excavators	Caterpillar	3 yd3	1
Pit trucks	Caterpillar D300E	30 ton	1
Crush plant	Mormak	54 inch	1
Screening Plant	Titan 516		1

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 0.7 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 7.5 hectares

Total Disturbed Area (Existing + Proposed Disturbance) _____ m², or 8.2 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 _____ hectares

Estimated Cost of Reclamation: Applicant \$ 600,000
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? 25 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) _____

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.): a minimum of 1 metre separation will be maintained between the maximum depth of excavation and the high groundwater table; petroleum products will be stored in secure facilities with secondary containment, spill kits will be kept on site in the event of leakage of petroleum products from equipment

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: 30 m, or _____ km

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

Describe measures proposed to prevent inadvertent access of unauthorized persons on the mine site (i.e. fencing, vegetative barriers, berms, etc.): berms constructed with salvaged soil materials and fencing as required, locked gates when site not in operation

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: berms will be constructed around a portion of the perimeter of the site; final hours of operation will consider public input into the project

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: stockpiles of soil and overburden materials will be vegetated

Are measures proposed to minimize visual impacts of the proposed operation? (i.e. vegetative barriers, berms, green belts, etc.) ☐ No ☒ Yes - Please describe: berms will be constructed around a portion of the perimeter of the site

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: telephone

Location of nearest hospital: MSA General Hospital 8 km east of site

Travel time to hospital: 10 minutes Estimated number of employees on site (includes contractors): 4 (average)

Describe First Aid Level and supplies Attendant with a Level 1 First Aid Certificate; Level 1 First Aid Kit

I, Brent Palmer, 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 _____

Date June 9, 2005



January 10, 2010

File: 14675-30-1610026

Mr. Bryan Kirkness
Manager
Parmenter Road Quarry
Kirkness Pacific Holdings
6890 Lickman Road
Chilliwack BC V2R 4R9

Dear Mr. Kirkness:

Re: Contravention of Permit Condition on Permit Q-7-76: Production limits

Following a review of all documentation submitted in regard to the annual production from this quarry, it is verified that production has significantly exceeded the limit of 245,000 tonnes, as specified in your *Mines Act* Permit Q-7-16.

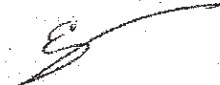
Therefore, pursuant to the terms of Section 15(4.1) of the *Mines Act (RSBC 1996) Chapter 293*, I am directing you to cease all operations on this site until such time as you provide the Inspector a suitable written and signed program outlining how the Owner or Manager will operate the Quarry in compliance with the permit condition limiting production to 245,000 tonnes.

Operations will not restart until such time as you have written communication from the Inspector authorizing a return to work. This authorization may contain such conditions as the Inspector deems necessary.

Please note that further contraventions of this permit condition may result in an investigation and actions under Sections 35, and/or Sections 37 of the *Mines Act*.

Nothing in this order prevents the Manager from maintaining security patrols and environmental monitoring, or environmental mitigation work, should it be necessary. Should it be necessary to undertake environmental mitigation work the Inspector shall be notified without delay.

Yours truly,


Ed Taje
Senior Inspector
Coast Area

Cc: A. Hoffman, P.Eng. Chief Inspector of Mines
D. Collins, Director, MNRO

Ministry of Natural Resource Operations

Mailing Address:
PO Box 9395, Stn Prov Govt
Victoria, BC V8W 9M9
Phone: (250) 387-4825
Facsimile: (250) 953-3878

Location:
6th Floor
1810 Blanshard Street
Victoria