

MINISTRY OF ENERGY & MINES

NOTICE OF WORK STATUS SHEET

PERMITTEE: H & J Ready Mined Ltd New ☒ Amend ☐

PROPERTY: H & J GARVEL PIT Type: MX ☒ Q P

MINE NO: 1620373 Co. Code: 007989

NOW Date: July 19/02 NOW Rcvd: July 22/02

Approval Date: _____ Security Amt: _____

Sec Req Date: _____ Sec Rcvd : _____

Permit No: _____ Issued Date: _____

AWA No: _____ Cancel Date: _____

REFERRALS	LOCATION	DATE SENT
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Forests	<u>Revelstoke</u>	
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WLAP	<u>Cranbrook</u>	
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BCAL	<u>Cranbrook</u>	
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DFO	<u>Salmon Arm</u>	
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Reg. Dist.		
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Bands:		
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Other:	<u>City of Revelstoke - Attn Thomas Knight</u>	
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Advertising: Waived ☒ Gazette ☐ Local Paper ☐

Land Use: Current RR60 Proposed RR60

MMS: NOW Entered ☒ Permit Entered ☐ Complete ☐

30 day referral

1620313

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 250-952-0462; 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

6-4-188

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) H. & J. READY MIX LTDAddress 1021A SANDSTONE ROAD P.O. Box 1759City REVELSTOKEBus. Phone (250) 837-4938Province B.C. Postal Code V0E 2S0Fax (") 837-8557**LOCATION INFORMATION - Maps are mandatory under Schedule A**Name of Mine (What will the operation be called when in production?): H. & J. GRAVEL PITLegal Description of Property: L.S. 10 and parts of L.S. 15 & L.S. 16, SECTION 4
TWP 23, R4E 2, W6M.Street Address of Property, if applicable: WESTSIDE ROADREVELSTOKEAccess route from nearest town to property: Westside Road, Revelstoke Turn right
approx. 600 metres proceed along M.O.F. existing Road to the site

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]:

082M/1Latitude: 51.02450°Longitude: -118.21947°**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:

4403844 CRANBROOK - Kathy Bisset L.O.

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/AgentThe mine manager (*Mines Act* Sections 21 and 22) responsible for management and operation of the mine will be:Name: TROY SCARCELLIBus. Phone: (250) 837-4938

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.) Kamloops, B.C.

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.

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2) Soil Conservation

Average depth of overburden (material, including topsoil, overlying sand, gravel and/or rock): 1 cm, or 8.0 m

Average depth of topsoil (Surface to maximum rooting depth of plants, plus 15 cm.): 20 cm, or 0.2 m

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

Seed to grass on stockpiles - 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 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: Site is within a Timber Sale license - Small Business Program.
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: URBAN RESERVE

Current land use zoning for the site is: RR 60 - Rural Residential under re-zoning to M.3 - Heavy Industrial

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):

Excavate and remove soil and overburden material to stockpile for future reclamation.
- Total site # 13 ha (32.5 Acres) only disturbed approx. 2 ha - progressive reclamation.

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

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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): 2002/09/01

Proposed finish date (y/m/d): 2027/10/15

The mining operation will generally be (check one)

☐ Continuous (operates throughout the year)

☒ Seasonal, usually operates from APRIL to October

☐ Intermittent (occasionally operates with extended periods of inactivity)

Estimate total mineable reserves over the life of the mine: 900,000 tonnes, or 500,000 m³

Estimated annual extraction from site: 30,000 to 35,000 tonnes/yr, or 16,670 to 20,000 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: Area re-forested and some salvage.

* 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 and remove topsoil and overburden to stockpile for future reclamation.
- Excavate gravel deposit to approx. depth of 6.0 to 8.0 metres and screen size.
Operating hours as per City of Revelstoke by-laws.

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

Type of Machine	Make/Model	Size/Capacity	# on Site
Excavator	Cat	1.0 m ³ Bucket	1
Front End loader	Cat.	1.5 m ³ Bucket	1
Dozer	Cat.	D.8.	1
Screening Plant	-		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 — 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 2.0 hectares

Total Disturbed Area (Existing + Proposed Disturbance) 20,000 m², or 2.0 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

\$ 5,000.00

Mines Branch

\$ —

Are settling ponds or other structures proposed to control sedimentation in surface run off?
☒ No ☐ Yes - please complete Schedule B

Ministry of Energy and Mines
Kamloops, B.C.

What is the average depth to the high groundwater table at the proposed excavation? ± 25.0

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

☐ Existing area wells

☐ Test wells drilled for this purpose

☐ Test pits

☐ Other (describe) Columbia River observations.

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.): No excavation into the ground
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: m, or 3.0 km

Shortest distance between proposed excavation to nearest residential water source: m, or 3.0 km

Describe measures proposed to prevent inadvertent access of unauthorized persons on the mine site (i.e. fencing, vegetative barriers, berms, etc.): Access will be gated to prevent un-authorized
Vehicle / person entering the mine site. Signs posted
Warning of open excavations.

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:

Buffer zone of trees to remain.
Not near to residential areas.

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:

Tree buffer to remain alongside the Columbia
River.

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

☐ No

☒ Yes - Please describe:

Retain tree buffer - only
disturb approx 2ha at any one time - progressive reclamation.

OCCUPATIONAL FIRST AID

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

Describe the means of communication from the mine site:

Cell phones.

Location of nearest hospital:

Revelstoke

Travel time to hospital:

10 mins.

Estimated number of employees on site (includes contractors):

2 to 3

Describe First Aid Level and supplies

WCB standard First Aid kit in site

office First Aid room. and in vehicles.

I, TEOY SCARCELLI, 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

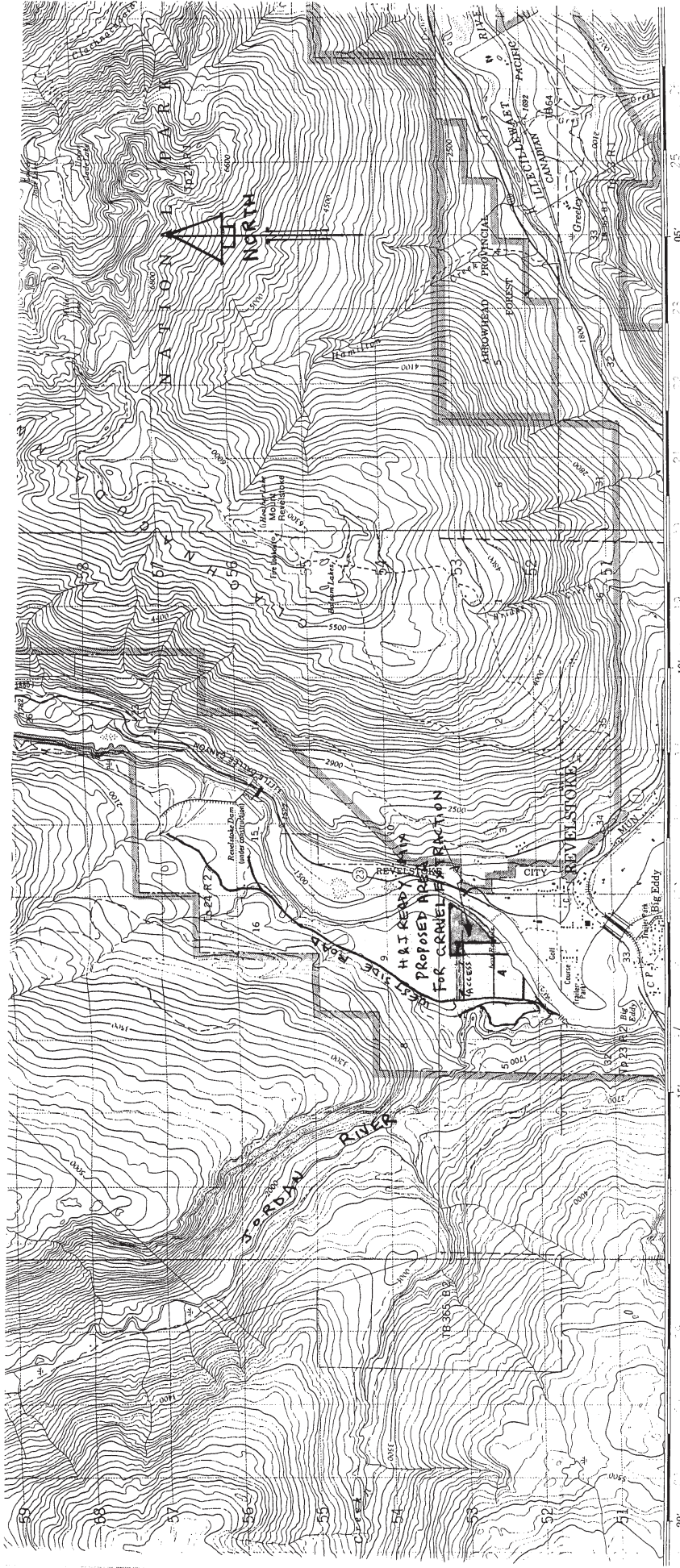
[Signature]

Date July 19/02

Schedule A

Maps and Cross Sections

00006



MOUNT REVELSTOKE
BRITISH COLUMBIA

Scale 1:50,000 Échelle

Adm 1 0 1000 2000 3000 4000 Metres
Yards 1000 2000 3000 4000

3 Miles

SHEET 82 M/1

CROWN LAND AREA

REMOVAL

Part. W¹/₂ Sec. 4, Twp 24

Rge 2 W6 M.

Information concerning location and precise elevation of bench marks can be obtained by writing to the Geodetic Survey, Ottawa, Ontario.

CONVERSION SCALE FOR ELEVATIONS

Metres 30 20 10 0 100 200 300 400 500 600 700 800 900 1000

Feet 100 50 0 100 200 300 400 500 600 700 800 900 1000

On peut obtenir des renseignements sur le lieu et l'altitude exacte des repères de nivellement en écrivant aux Levés géodésiques, Direction des Levés, Ottawa, Ontario.

ÉCHELLE DE CONVERSION DES ÉLEVATIONS

Mètres 30 20 10 0 100 200 300 400 500 600 700 800 900 1000

Pieds 100 50 0 100 200 300 400 500 600 700 800 900 1000

Contours interval 100 feet

Contours interval 100 mètres

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Contours interval 100 mètres

Contours interval 100 feet

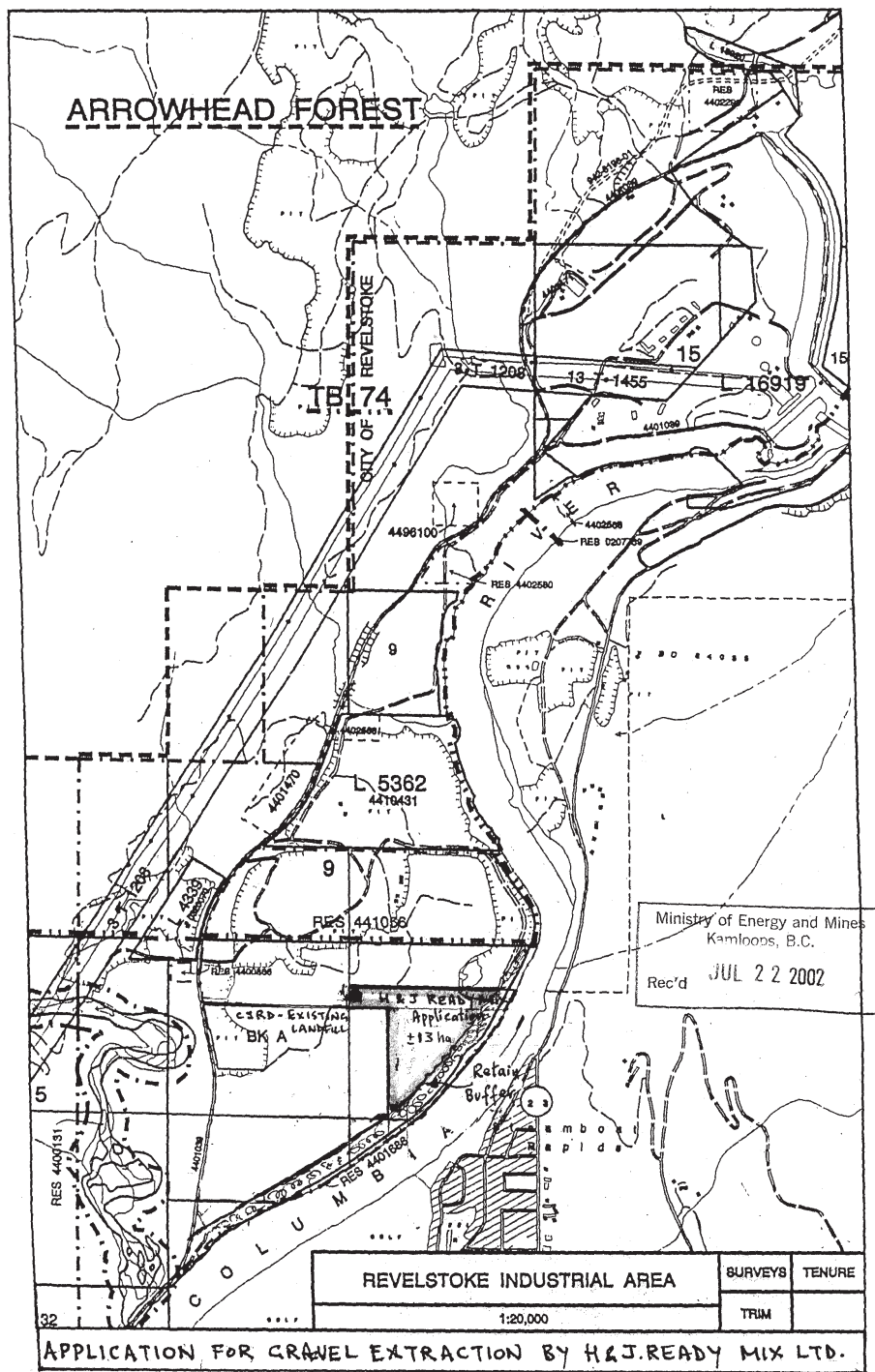
Contours interval 100 mètres

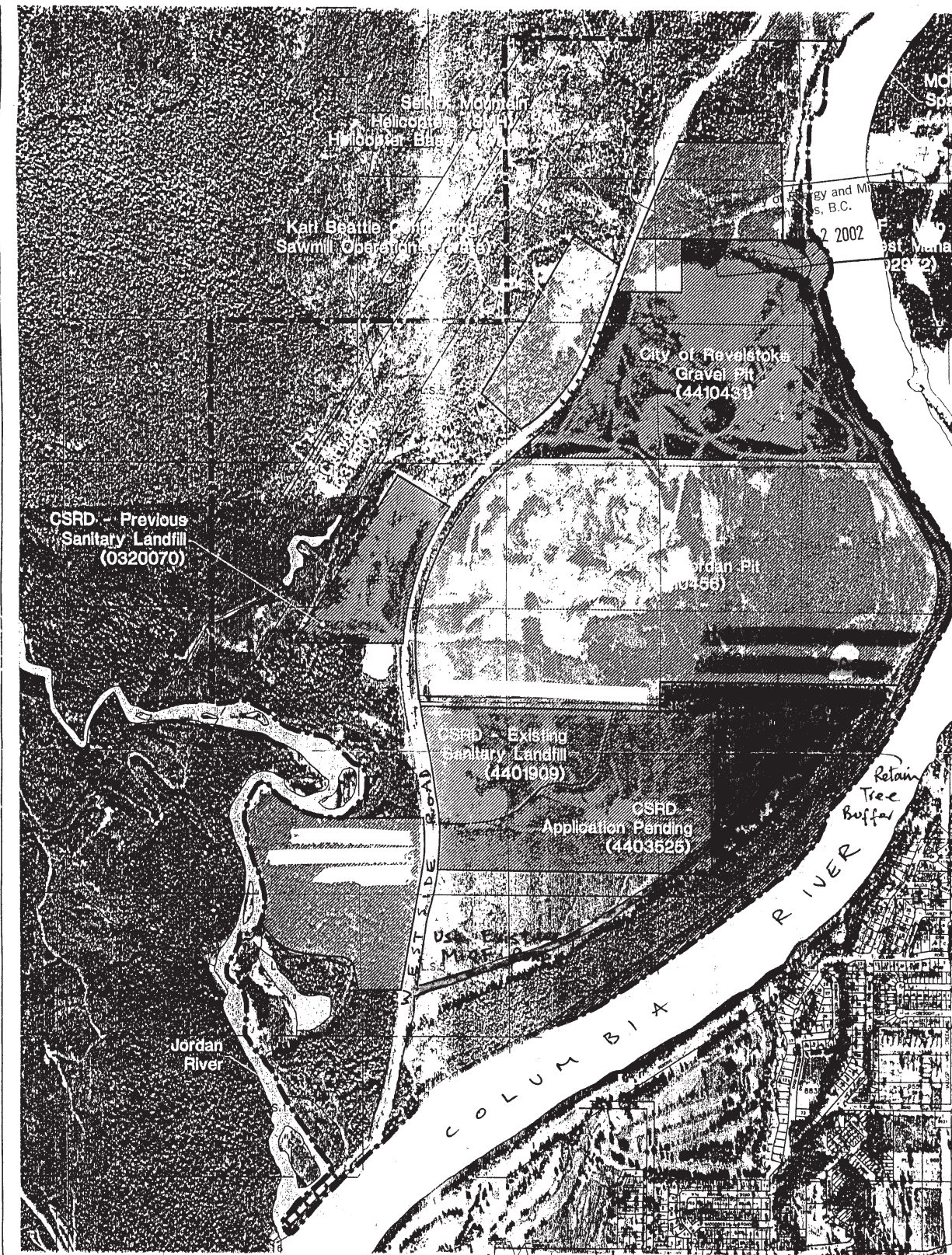
Contours interval 100 feet

Contours interval 100 mètres

Contours interval 100 feet

Contours interval 100 mètres





H & J READY MIX - APPLICATION FOR GRAVEL EXTRACTION (AMENDMENT)
March 6th 2002

Revelstoke Westside Road Plan

Map 1

**Land Owners
& Tenure**

Legend

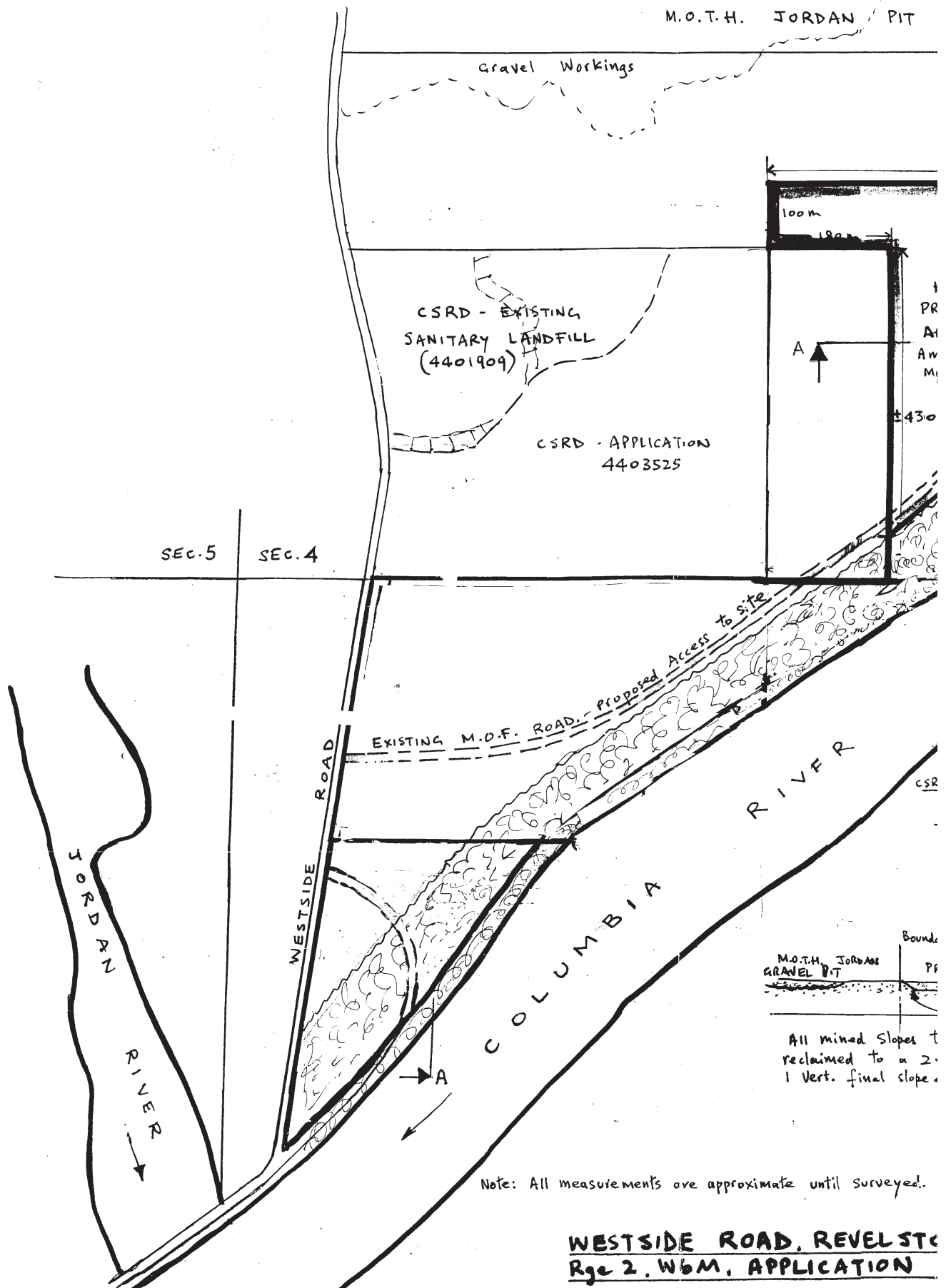
- Study Area Boundary
- Dept. Fisheries/Oceans
- Ministry of Forests

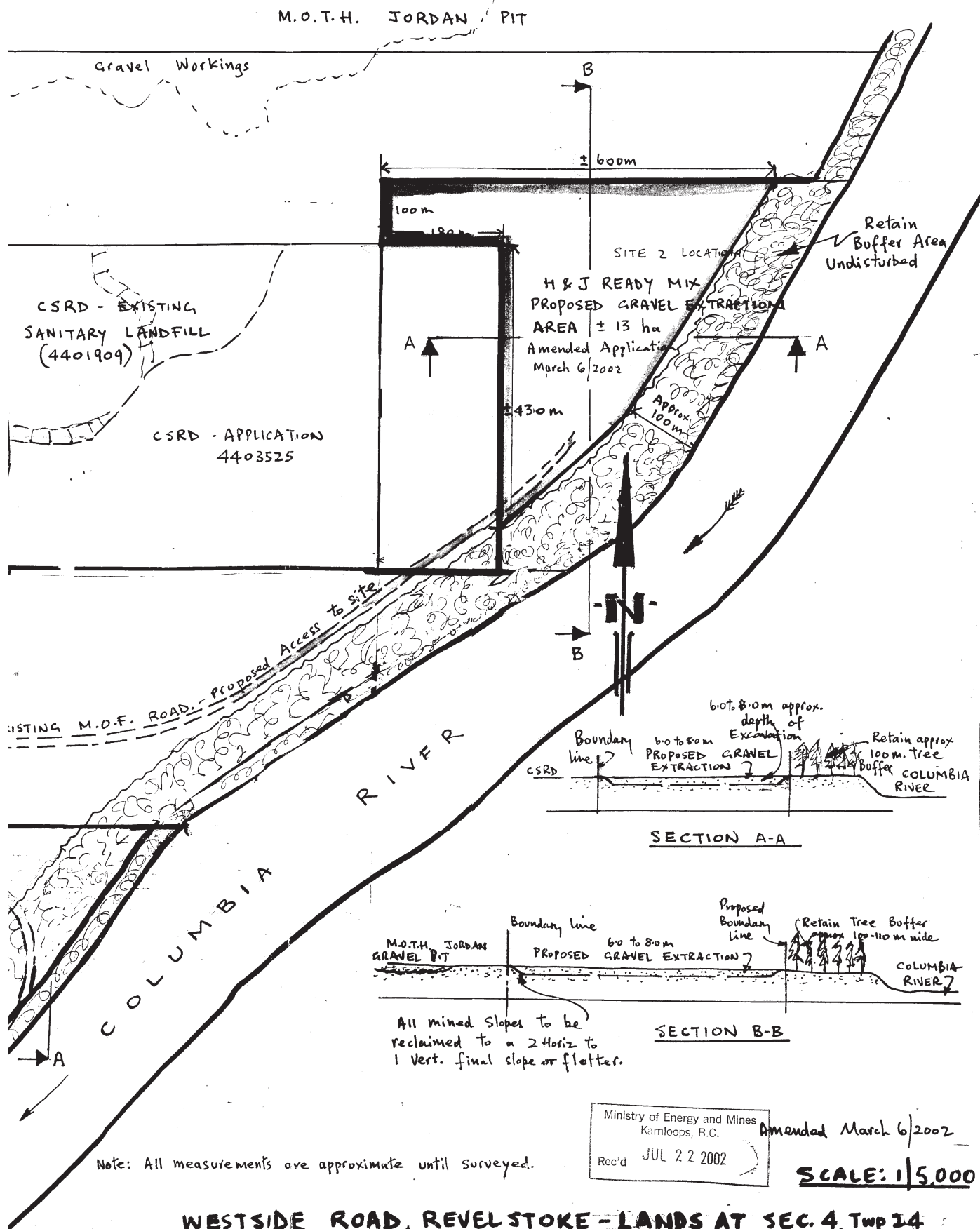


- Min. of Transportation & Hwy's
- Columbia Shuswap R.D.
- City of Revelstoke

- BC Hydro/Telus
- Private Users

SCALE: 1/10,000



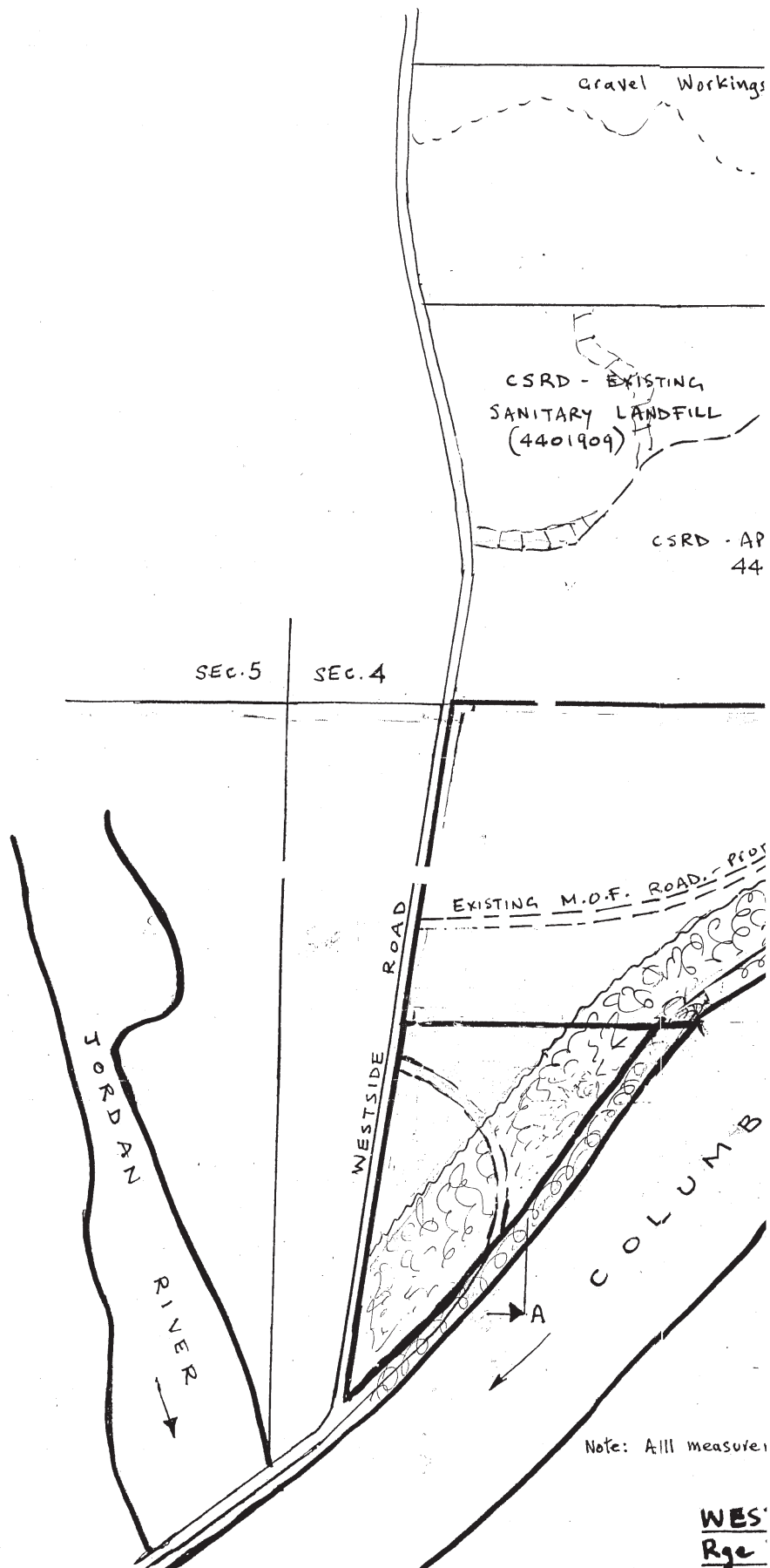


Ministry of Energy and Mines
Kamloops, B.C.
Rec'd JUL 22 2002

Amended March 6/2002

SCALE: 1/5,000

**WESTSIDE ROAD, REVELSTOKE - LANDS AT SEC. 4, Twp 24,
Rge 2, W6M, APPLICATION BY H & J READY MIX LTD**

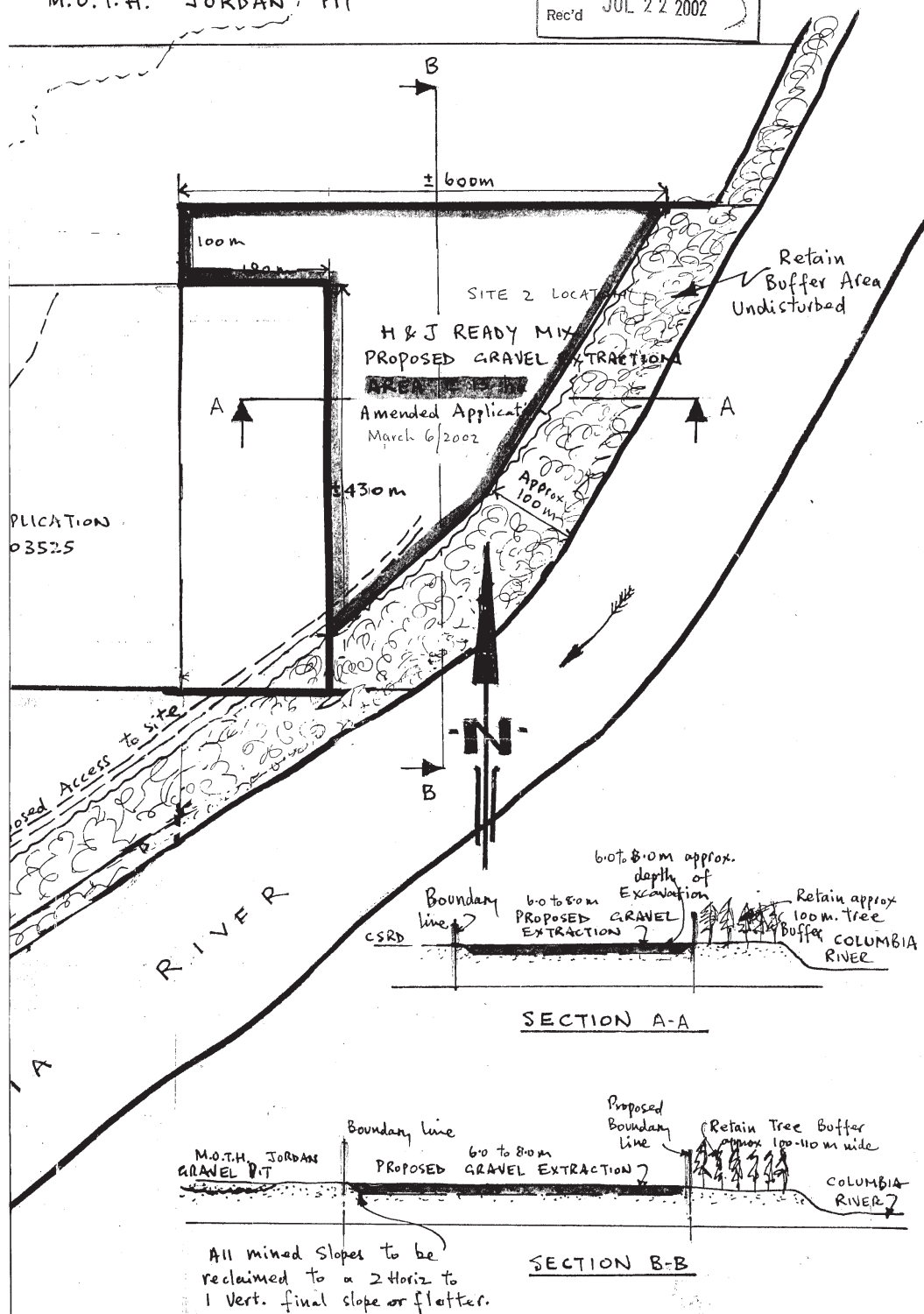


WES
Rge

M.O.T.H. JORDAN PIT

Ministry of Energy and Mines
Kamloops, B.C.

Rec'd JUL 22 2002



Ministry of Energy and Mines
Kamloops, B.C.

Rec'd JUL 22 2002

Amended March 6/2002

SCALE: 1/5,000

SIDE ROAD, REVELSTOCK - LANDS AT SEC. 4, Twp 24,
2. W6M, APPLICATION BY H & J READY MIX LTD



**Land and Water
British Columbia Inc.**
A corporation of the government of British Columbia

Ministry of Energy and Mines
Kamloops, B.C.

Rec'd NOV 28 2002

Kootenay Office
205 Industrial Road G
Cranbrook BC V1C 7G5
PH: (250) 489-8510
FAX: (250) 489-8550

Referral Request

APPLICANT'S NAME Scarcelli Contracting		LWBC CONTACT: Jo-Ann Donald, CSC	CONTACT PHONE NO: 250-489-8543
APPLICATION ACCEPTANCE DATE November 22, 2002	REF MAP No. 82M.009	LWBC FILE NO: 4404091	DATE SENT: November 25, 2002

MINISTRY OF ENERGY AND MINES
REGIONAL MINERAL LAND
PLANNER
STE 200, 2985 AIRPORT DRIVE
KAMLOOPS BC V2B 7W8



You are invited to comment on the following application, details are provided. Referral responses must be received by the LWBC contact person by **December 25, 2002**. If no response is received by the deadline LWBC will move ahead with the adjudication process.

LOCATION OF CROWN LAND Vicinity of Revelstoke		PARCEL SIZE 3.0 Ha
LEGAL DESCRIPTION Unsurveyed Crown land in the vicinity of Jordan River, Kootenay District		
INTENDED LAND USE Quarry		
PROPOSED TENURE TYPE License of Occupation	PROPOSED TERM 5 years	PURPOSE Sand and Gravel
ADDITIONAL INFORMATION RELATED TO THE FOLLOWING IS AVAILABLE ON REQUEST See attached additional information.		

RESPONSE COMMENTS:

1.Does this application impact your agency's legislated responsibilities? Yes/No. If yes, how will the proposal impact your legislated responsibility and please identify the relevant legislation (section).

2(a).If the proposal impacts your responsibilities, what mitigative measures will be required to address these impacts?

2 (b) If the proposal proceeds, will the proponent require approval or a permit from your agency?

3.Will on-going compliance monitoring be required by your agency as a result of your legislated responsibilities? Yes/No. If yes, explain what will be required.

4.Will this application affect public use of this area? Explain.

For Municipal/Regional Government Use Only: Is the application area zoned for the proposed purpose? If no, what is the current zoning?

What is the estimated time required for a decision on an application to re-zone the area should the applicant wish to pursue this option?

Signed By (if non-electronic version of form used):	Title:
Please Print:	Phone Number:



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Please Print:	Phone Number:

MANAGEMENT PLAN

SCARCELLI CONSTRUCTION

A] Statement of Objectives

The purpose of the application is to acquire a Licence of Occupation / Lease of Crown land of 3.0 hectares more or less to extract sand and gravel resources for a period of 5 years to serve the Revelstoke area.

B] Proposed Use

The end use of the material is for construction purposes including concrete and asphalt and road construction projects.

Investigative work by the M.O.F. through the construction of roads, trails and logging activity shows high gravel banks along these disturbances. Observations below and above the main FS Road show the gravel extends to at least 30 metres in depth in each direction, and is at least 400 metres in width. See photos with application.

Total gravel resources estimated in the proposed extraction area is 650,000 cu.metres or 1,170,000 tonnes. Total subject area is 3 hectares.

C] Description of Work

Annual estimate of production for the first 5 years is 50,000 to 60,000 tonnes per year.

Pit will supply pit-run, screened and crushed products. No washing anticipated.

Height of working face max. 8 metres, pit face to be graded to extraction area.

Water supply for dust suppression purposes only, proposed to be obtained from Kirkup Creek or drill well on site.

No waste water anticipated, surface water run-off will be collected in a series of ditches and directed to settling ponds for exfiltration.

Not scheduled for an asphalt plant at this time.

D] Surface disturbance

See site plan attached at scale 1/5,000 with cross sections. Subject property 3.0 ha

Open pit dimensions 200m x 100m [2.0 ha]

Cleared area around the pit 0.3 ha

PHASE 1

Overburden stockpiles 0.2 ha

Product stockpiles, screening /crushing facilities 0.5 ha

Existing FS road directly to the site with existing disturbance, no changes or extensions.

The subject property is 2.5 km by FS Road from the turn off at Westside road, Revelstoke.

[see 1/20,000 map]

Total area of disturbance over 5 years is approximately 3.0 ha [phased as described above]

E] Present state of land

The land is outside regional government zoning and within the provincial forest . The area is within the Columbia - Sushwap Regional District.

Present land use is forested Crown land , and has been logged a number of years ago.

Vegetation is mixed spruce , pine aspen and poplar self set, some possible planting , MOF to advise . Soil texture is a decayed forest vegetation floor, thin topsoil/ overburden and sand and gravel outcropping throughout the subject property.

Topography is a side hill with Kirkup Creek to the north and the Jordan River to the east.

The present FS Road 0805 is well maintained logging road and would be suitable for gravel truck haulage under a Road Use Agreement with MOF .

Watercourses are all marked on the enclosed plans and will not be affected by the proposed development in any way .Depth to the water table is 10 metres below the proposed final grade elevation of the pit .

The land is not within the ALR.

The land is within the Provincial Forest.

F] Reclamation Program

Proposed land use after gravel extraction is forestry.

The land has been previously logged . Topsoil, forest debris and overburden will be excavated above the gravel deposit and stockpiled for future use and returned back to the mined out areas, in 5 ha phases. The disturbed areas will be seeded to approved grass mix and trees planted as directed by the MOF. All final back slopes will be graded to a max. of 2 horiz. to 1 vert . slope for reclamation.

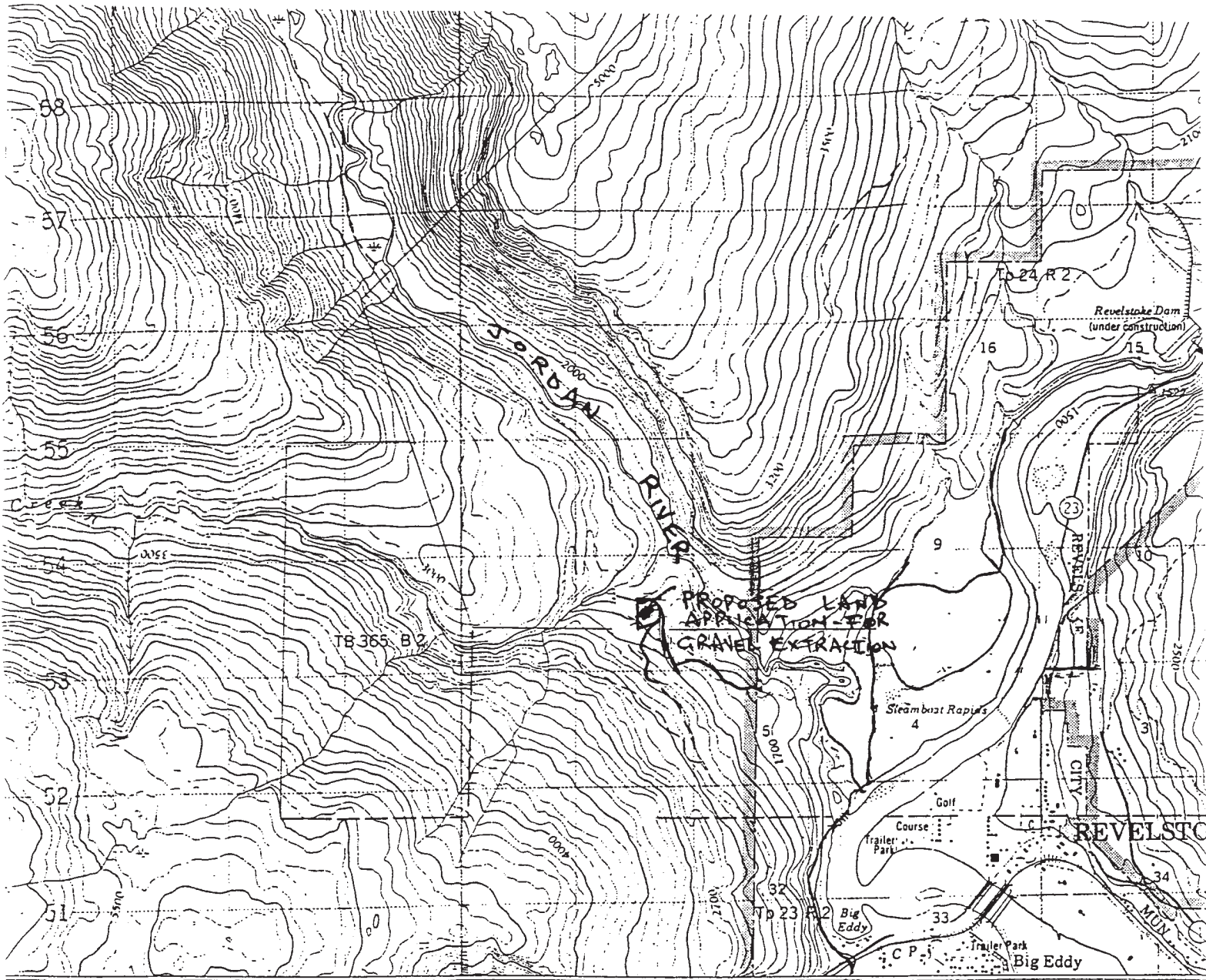
G] Agency requirements checklist information.

The proposal will create jobs at the gravel operation and in trucking which will help to lower the high un-employment in the Revelstoke area . This will create a positive socio -economic impact and as the operation is some 5 km from the nearest residential dwelling there will be no negative impacts regarding the residents . Westside road is presently used by gravel trucks, garbage haul trucks , logging trucks and the additional truck traffic will not cause a road or traffic problem. Initial contact has been made with the MOF and contact will be made with the other agencies within the next two weeks . Concerns raised by any of the agencies can be mitigated as they become known. This is an ideal place for a gravel operation and every effort will be made to address any issues arising from this application.

Yours truly

Troy Scarcelli,

November 7, 2002



20'

15'

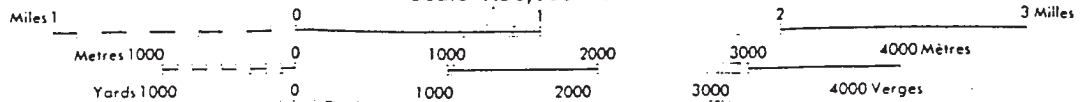
Kamloops
Sicamous 70 km
Shelter Bay Ferry 53 km

MOUNT REVELSTOKE BRITISH COLUMBIA

dual highway
 usées séparées
 2 lanes
 2 voies
 anes or more
 voies ou plus
 more than 2 lanes
 plus de 2 voies
 less than 2 lanes
 moins de 2 voies
 less than 2 lanes
 moins de 2 voies

ES SIGNÉS, VOIR AU VERSO

Scale 1:50,000 Échelle



AI8992
CP 20
AI8992
CB 7

SCALE: 1/1250

○ 108
FOREST COVER MAP
GRAVEL APPLICATION

MAP 82M 009

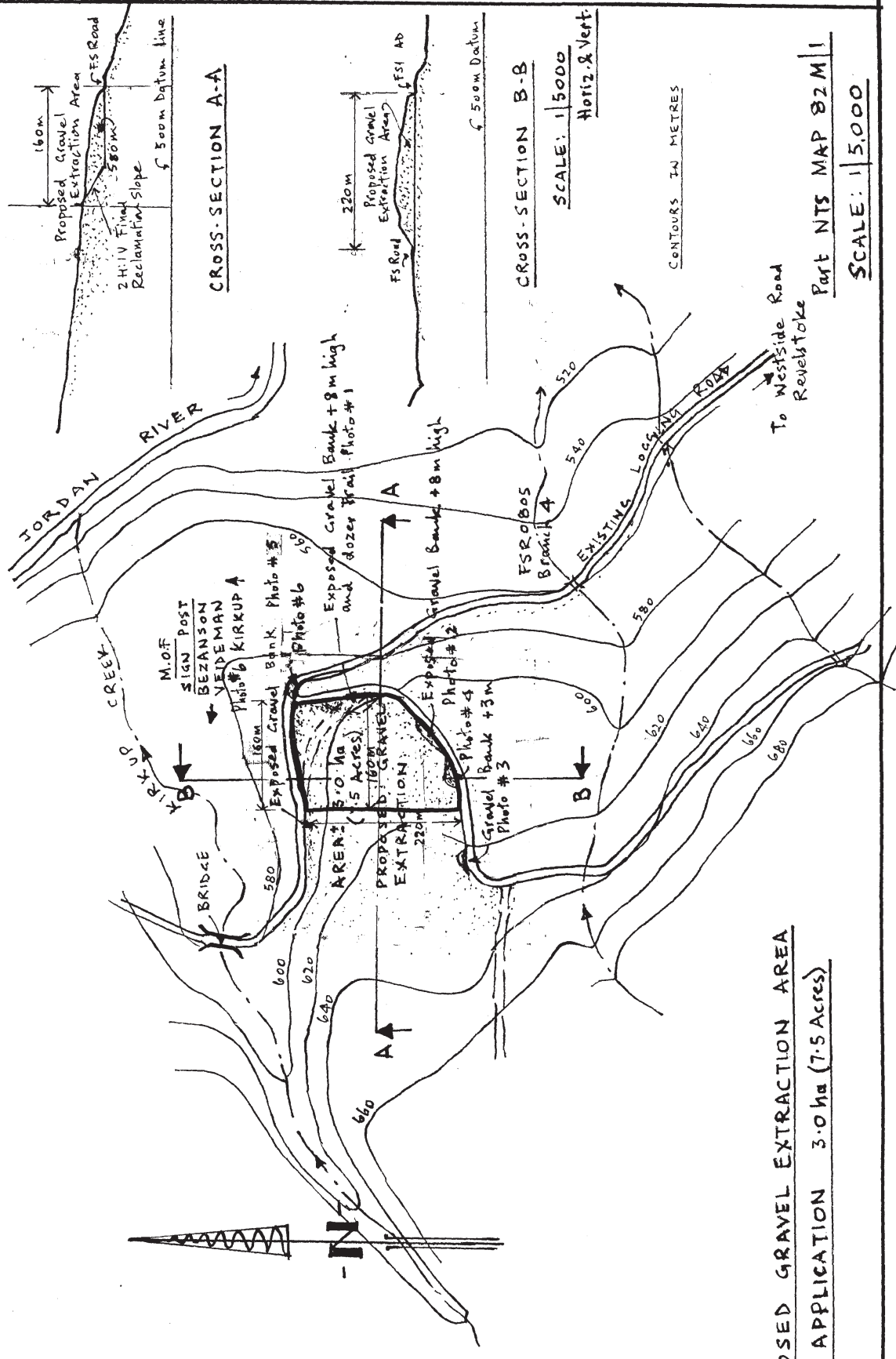
JORDAN RIVER

LAND APPLICATION
AREA ± 3.0 hectares
FSR0805
BR 04
CH FOUR

Proposed Gravel
Extraction Area

S08180
Sec A

M.O.F. Access Road



PROPOSED GRAVEL EXTRACTION AREA
 LAND APPLICATION 3.0 ha (7.5 Acres)

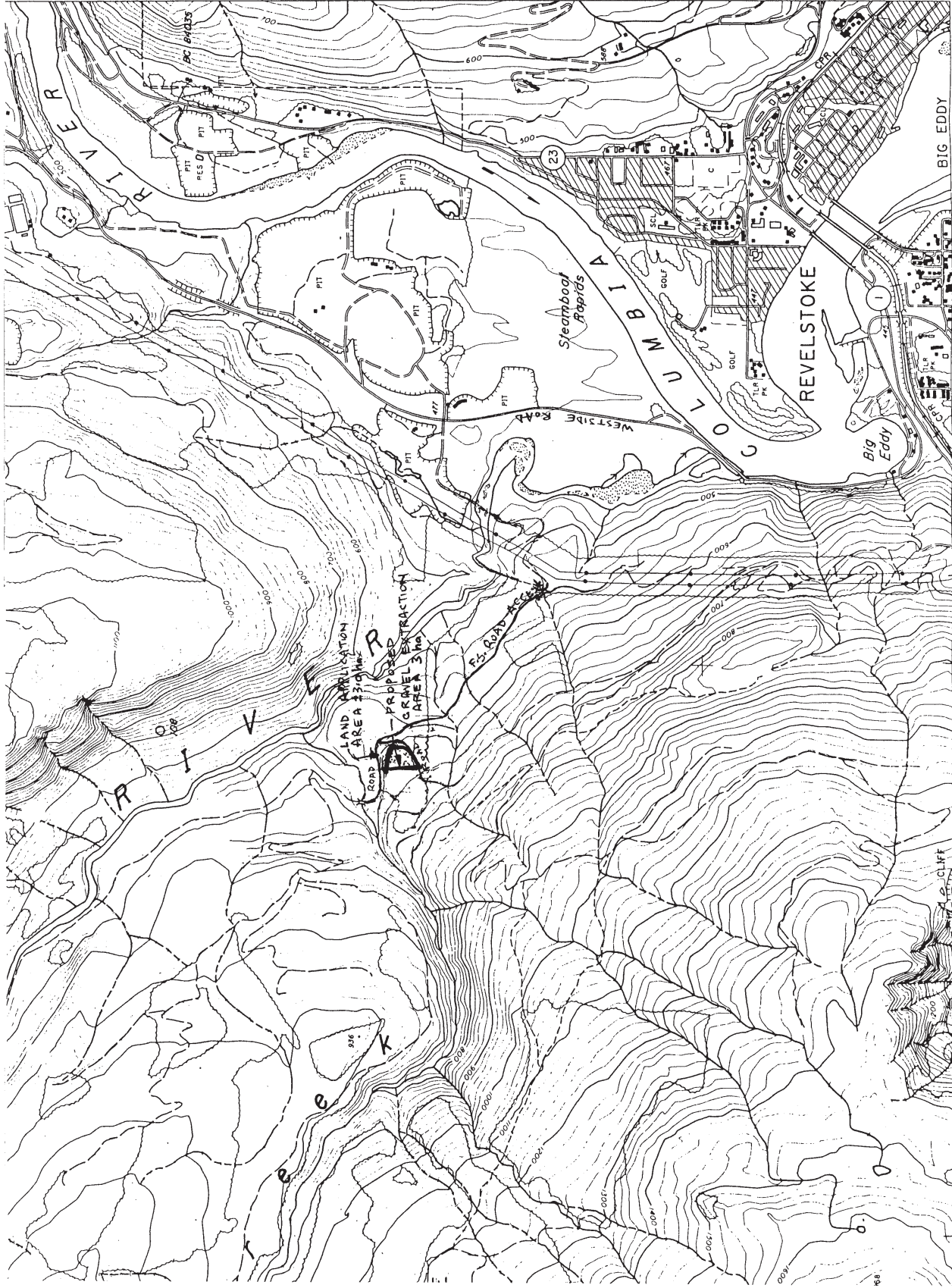
CROSS-SECTION A-A

CROSS-SECTION B-B

SCALE: 1:5000
 Horiz. & Vert.

CONTOURS IN METRES

Part NTS MAP 82 M 1
 SCALE: 1:5000



5653000

PROPOSED LAND
APPLICATION AREA
FOR GRAVEL
EXTRACTION.

SCALE: 1:20,000
MAP 82M.009

51°00'00"
118°12'00"

00021

MINES BRANCH KAMLOOPS

DATE	TIME	TO/FROM	MODE	MIN/SEC	PGS	JOB#	STATUS
02	08/02 15:48	COLUMBIA FOREST DIST	EC--S	06'03"	011	053	OK



FACSIMILE MINES REFERRAL SHEET

**PLEASE COMPLETE & RETURN THIS ORIGINAL REFERRAL SHEET TO THE ADDRESS BELOW.
IF THERE IS INSUFFICIENT SPACE FOR YOUR COMMENTS, CONTINUE ON THE BACK OR ATTACH A
SEPARATE SHEET.**

August 2, 2002 11:50 AM

To:	Ministry of Forests, Revelstoke Forest District	1-250-837-7626
	Ministry of Water, Land & Air Protection, Cranbrook	1-250-489-8506
	B.C. Assets & Land Corporation, Cranbrook	1-250-489-8550
	Department of Fisheries & Oceans, Salmon Arm	1-250-832-9373
	City of Revelstoke	by mail

From: Allan Ludwig - District Manager: Kamloops Region

File Name: H & J

Mine Number: 0400785

Name of Person Signing Notice: H & J Ready Mix Ltd.

Date of Signing: July 19, 2002

You are requested to comment on the attached Notice of Work and Reclamation Program and respond to this office within 30 days. If no reply is received within the time period, we will consider that your interests are not affected and you do not wish to be involved in this project.
YOUR COMMENTS MAY BE FORWARDED TO THE PROPONENT.

APPROVAL RECOMMENDED: YES NO

COMMENTS: "PLEASE REFER TO FILE NAME WHEN RESPONDING"

Signed: _____ Date: _____
Name: _____ Title: _____

This fax contains 11 pages including the referral sheet

MINES BRANCH KAMLOOPS

	DATE	TIME	TO/FROM	MODE	MIN/SEC	PGS	JOB#	STATUS
32	08/02	15:25	2504898506	EC--S	16'25"	011	048	OK



FACSIMILE MINES REFERRAL SHEET

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APPROVAL RECOMMENDED: YES NO

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Name: _____ Title: _____

This fax contains 11 pages including the referral sheet

MINES BRANCH KAMLOOPS

	DATE	TIME	TO/FROM	MODE	MIN/SEC	PGS	JOB#	STATUS
30	08/02	13:48	12504898550	EC--S	06'10"	011	044	OK



FACSIMILE MINES REFERRAL SHEET

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COMMENTS: "PLEASE REFER TO FILE NAME WHEN RESPONDING"

Signed: _____ Date: _____
Name: _____ Title: _____

This fax contains 11 pages including the referral sheet

MINES BRANCH KAMLOOPS

	DATE	TIME	TO/FROM	MODE	MIN/SEC	PGS	JOB#	STATUS
12	08/06	09:03	2508047010	EC--S	09'04"	011	073	OK

**FACSIMILE MINES REFERRAL SHEET**

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Department of Fisheries & Oceans, Salmon Arm 1-250-832-9373 804 7010
City of Revelstoke by mail

From: Allan Ludwig - District Manager: Kamloops Region

File Name: H & J

Mine Number: 0400785

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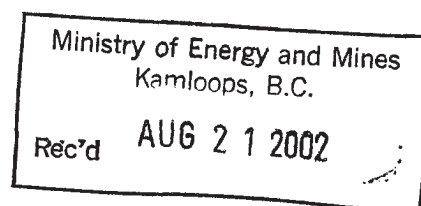
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YOUR COMMENTS MAY BE FORWARDED TO THE PROPONENT.

APPROVAL RECOMMENDED: YES NO

COMMENTS: "PLEASE REFER TO FILE NAME WHEN RESPONDING"

Signed: _____ Date: _____
Name: _____ Title: _____

This fax contains 11 pages including the referral sheet



File: 10550-20/Lands

April 12, 2002

Ian Johnston, SLO
Land and Water British Columbia Inc.
Kootenay Office
205 Industrial Road
Cranbrook, BC
V1C 7G5

Dear Sir:

I am responding to your referral (file # 4403844) regarding H&J Ready Mix Ltd's application for a sand and gravel quarry site that will utilize access from the Westside Road. I have attached the referral response sheet containing my comments. In addition, I have some specific comments regarding the treed reserve adjacent to the proposed site, compensation for reforestation costs within the application area and the access to be used from the Westside Road.

1. Treed Reserve adjacent to the Quarry Site and the Columbia River.

The referral map appears to show that the proposed gravel extraction area partially covers Timber Sale License (TSL) A56114 Block 3 logged under the Small Business Forest Enterprise Program (SBFEP) and planted in spring 2001. This block salvaged a wind thrown portion of the visual and ungulate winter range reserve identified on Map 3 in the "Revelstoke Westside Road Plan" compiled by Urban Systems. Currently, this portion of the treed reserve where salvage logging occurred is approximately one half of its original width.

The SBFEP holds a legal obligation under the Forest Practices Code Act to establish a free growing plantation on TSL A56114 Block 3. To date an investment of approximately \$1870 per hectare has been made in fulfilment of this obligation.

In addition to the reforestation investment, re-establishment of trees in this block is important to maintaining the integrity of the visual screening and ungulate winter range habitat. The rehabilitation plans noted by the applicant will not likely re-establish a stand of trees that is capable of providing the values required to meet the management objectives for this reserve. Any future wind throw events in the remainder of the existing reserve may damage it to such an extent that it is incapable of providing the screening and ungulate winter range values currently being provided.

For these reasons, I recommend that the License of Occupation area be adjusted such that it does not extend into TSL A56114 Block 3 (see map).



Page 1 of 2

Ministry of
Forests

Columbia Forest District

Location:
1761 Big Eddy Road
Revelstoke

Mailing Address:
PO Box 9158 RPO #3
Revelstoke, BC V0E 3K0

Tel: (250) 837-2611
Fax: (250) 837-2626

00026

2. Compensation of Reforestation Costs.

If upon issuance of the license of occupation to the applicant the decision is made to include the area occupied by TSL A56114 Block 3, we will be seeking compensation for costs made to date (\$1870 per hectare). In addition, we will also be seeking compensation for the reforestation costs made on the balance of the application area outside of TSL A56114 Block 3. As previously discussed with the applicant's representative, Mr. Eric Beresford, these are \$667 per hectare.

3. Access into the proposed Quarry Site from the Westside Road.

The access proposed by the applicant was originally constructed to a lower "short term access" standard as it was only required to complete the salvage logging of TSL A56114 Block 3. If this route is used, the longer term use proposed by the applicant will require reconstruction of some of the sections to make it serviceable and bring it up to Forest Practices Code standards.

After the logging was completed, this road was a vector for numerous incidences of illegal firewood cutting in the treed reserve as well as illegal dumping of garbage. This prompted us to block public access to it. Blocking access also provided the additional benefit of reduced disturbance to the ungulate winter range adjacent to it.

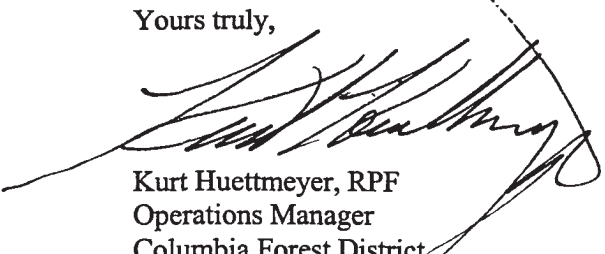
In order to protect the integrity of the values currently provided by this treed reserve, we do not favor re-opening of this access route. Instead we propose that access utilize the more direct route along the existing road immediately to the south of the Columbia Shuswap Regional District Sanitary (CSRD) Landfill (your file # 4401909). A second alternative is to the north of the CSRD landfill through the southern portion of the Ministry of Transportation and Highways Jordan Pit (your file # 4410456).

Given satisfactory conclusion to these issues, we have no other concerns with the proposal. I would appreciate an opportunity to comment on relocation sites if and when H&J Ready Mix Ltd. wants to relocate their operations within the Westside Road Plan area.

If this application is modified as proposed, we are willing to work with the applicant in determining the boundary of TSL A56114 Block 3 in the field.

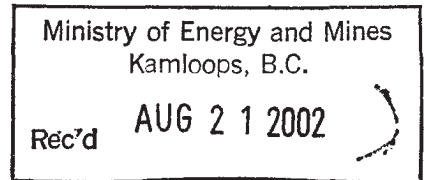
If you require clarification regarding any of my comments, please call me to discuss further.

Yours truly,



Kurt Huettmeyer, RPF
Operations Manager
Columbia Forest District

Attachment(s): 1. Response Comments on Referral Request Sheet from Land and Water BC Inc.
2. Map noting adjusted license of occupation area and access alternatives.



File: 10550-20/Mines

August 16, 2002

Alan Ludwig
District Manager
Ministry of Energy and Mines
200-2985 Airport Road
Kamloops, BC
V2B 7W8

Dear Sir:

Further to my telephone conversation with you on August 13, 2002, I understand from the Land and Water British Columbia Inc. (LWBC) office in Cranbrook that the issuance of their tenure #4403844 is still pending.

As preliminary comments to you, I have attached a copy of our comments to LWBC with respect to the H&J Ready Mix Ltd. application. Once the LWBC tenure has been issued to H&J Ready Mix, I would like another opportunity to comment regarding the issuance of the Energy and Mines tenure.



Please give me a call if you want to discuss any of the items in our letter to LWBC.

Yours truly,

W.H. Beard, RPF
Zone Officer
Columbia Forest District, Revelstoke Office

Attachment(s): Copy of April 12, 2002 letter to LWBC regarding comments to their file #4403844.



Referral Response

File: 58000/29/25-4403890

FAKED
April 23, 2002

Ian Johnston, SLO
Land and Water British Columbia Inc.
Kootenay Office
205 Industrial Road G
Cranbrook BC V1C 7G5

Ministry of Energy and Mines
Kamloops, B.C.
Rec'd JUL 22 2002

Dear Ian Johnston:

Re: Referral Number 4403844

Comments have been received from WLAP staff as indicated below:

FEED FAX THIS END

FAX

To: Tan / Janne

Dept. 489-8350

Fax No. 489-8350

No of Pages 2

From: DLK

Date: April 23

Company: Referral

Fax No. 4403844

Comments: Referral

Cory Legebokow – Ecosystems:

The Ecosystem Section of the MWLAP has no concerns regarding the proposed activity subject to the following conditions:

- the riparian buffer of mature coniferous forest between the proposed quarry, including the access road, and the Columbia River shall not be altered, either directly or indirectly as a result of the activities. This buffer is high value ungulate winter range and therefore its attributes need to be maintained;
- although it is very unlikely to occur, surface water from the quarry operations, including the access road, shall not be permitted to enter the Columbia River.

Carl Johnson – Environmental Protection:

Any settling ponds will not discharge to surface water. If gravel is to be washed, a permit under the Waste Management Act is required. Periodic inspection of site will be necessary. Public access to the Columbia River in this area may be restricted.

Peter Stent – Enforcement:

The 100' metre buffer between the pit and the Columbia River must be retained. The gravel removal operation must be self-contained and not allow silty run-off to enter the Columbia River

Dwain Boyer did not have any comments.

Thank you,

Denise Moreau
Water, Land and Air Protection

Ministry of
Water, Land and Air
Protection

Kootenay Region

Mailing/Location Address:
401 - 333 Victoria Street
Nelson BC V1L 4K3

Telephone: 250 354-6333
Facsimile: 250 354-6332
PP Facsimile: 250 354-6367

Ministry of Energy and Mines
Kamloops, B.C.

Rec'd JUL 22 2002

Eric

From: Bisset, Kathy B LWBC:EX <Kathy.Bisset@gems5.gov.bc.ca>
To: 'Eric Beresford' S22
Sent: Thursday, May 30, 2002 1:00 PM
Subject: Rezoning Application - City of Revelstoke - H&J Quarry Application - File # 4403844

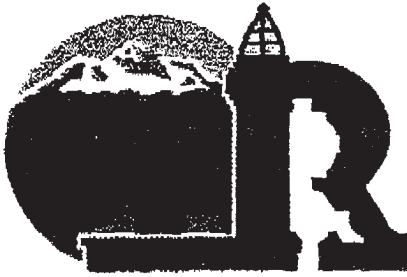
As we discussed, it is necessary for H&J Ready Mix Ltd. to apply to the City of Revelstoke for rezoning from RR60 Rural Residential to M3 Heavy Industrial for their proposed quarry area on the east side of West Side Road, northwest of Revelstoke. Re-zoning is necessary, prior to us proceeding any further on this file. If the City of Revelstoke is not in agreement with re-zoning and a quarry in this area then a License of Occupation cannot proceed.

In effect, you and Hector Scarcelli, are acting as an agent for Land and Water British Columbia Inc. to acquire this re-zoning. Please consider this e-mail as authorization to act as our agent in this matter.

If you require further documentation regarding your application please feel free to contact me. Talk to you soon.

Kathy Bisset
Land Officer
Land and Water British Columbia Inc.
Tel 250-489-8584 Fax 250-489-8550
<mailto:Kathy.Bisset@GEMS5.Gov.BC.CA>

"Allocating Crown land and water resources for the benefit of all British Columbians." www.lwbc.bc.ca



City of Revelstoke

P.O. Box 170, Revelstoke, British Columbia V0E 2S0
www.cityofrevelstoke.com info@cityofrevelstoke.com

June 19, 2002

Land and Water BC Inc.
Kootenay Office
205 Industrial Road G
CRANBROOK, BC
VIC 7G5

Ministry of Energy and Mines
Kamloops, B.C.

Rec'd JUL 22 2002

Attention: Ian Johnston, SLO

Dear Mr. Johnston:

Re: LWBC File No. 4403844, H & J Ready Mix Ltd.

Thank you for the opportunity to respond to the above-referenced application for tenure of crown land for the proposed purpose of a quarry site, including Westside Road access.

Revelstoke City Council has asked that I reconfirm with you that Council supported the application for a quarry site, in principle, and that the application need only to be subject to normal municipal processes associated with an amendment of the Official Community Plan, rezoning of the parcel and subdivision requirements, if applicable. In addition, there were no concerns with respect to remediation conditions at the current location of the applicants' operations.

We trust this information will be helpful to your deliberations.

Sincerely,

Teresa L. LeRose, Deputy Director
of Corporate Administration

27/06/02

cc: Mr. H. Scarcelli, H & J Ready Mix Ltd.

ADMINISTRATION
216 Mackenzie Avenue
Tel: (250) 837-2911
Fax: (250) 837-4930

ECONOMIC DEVELOPMENT
COMMISSION
204 Campbell Avenue
P.O. Box 2398
Tel: (250) 837-5345
Fax: (250) 837-4223

FINANCE/PROPERTY
TAX DEPARTMENT
216 Mackenzie Avenue
Tel: (250) 837-2161
Fax: (250) 837-5032

FIRE DEPARTMENT
227 West Fourth Street
Tel: (250) 837-3884
Fax: (250) 837-4171

PARKS & RECREATION
DEPARTMENT
Community Centre
600 Campbell Avenue
Tel: (250) 837-9351
Fax: (250) 837-9355

PLANNING - BUILDING -
BYLAW ENFORCEMENT
216 Mackenzie Avenue
Tel: (250) 837-2627
Fax: (250) 837-2627

PUBLIC WORKS
DEPARTMENT
1200 E. Victoria Road
Tel: (250) 837-2001
Fax: (250) 837-2058

ENM-2010-00077

00031

Referral Response

city
Hall
837-
2161
Gail
Bernacki



City of Revelstoke

P.O. Box 170, Revelstoke, British Columbia V0E 2S0
www.cityofrevelstoke.com info@cityofrevelstoke.com

LAND AND WATER
BRITISH COLUMBIA INC.

April 25, 2002

APR 29 2002

Land and Water
British Columbia Inc.
Kootenay Office
205 Industrial Road G
Cranbrook, B.C.
V1C 7G5

CRANBROOK, BC

FAXED

Attention: Mr. Ian Johnston, SLO

Dear Sir:

Re: Referral Request for H&J Ready Mix Ltd. / Revelstoke, B.C.

In reference to the above, I provide the following list of concerns pertaining to the proposed gravel operation on Westside Road:

(1) Official Community Plan

The proposal is located entirely within an area designated as Urban Reserve. The intent of this designation is to reserve lands which hold the potential for some form of urban development. The proposed use of the lands for a quarry operation would therefore not be in keeping with this designation. The applicant would be required to amend the Official Community Plan Designation from Urban Reserve to Industrial. This process would take a minimum of three to four months.

(2) Zoning

The proposal is located entirely within an area classified as RR60 - Rural Residential District - 60 Hectares. Although the extraction of raw materials is permitted within this Zoning District, the minimum parcel size permitted is 60 hectares. As the proposal identifies a parcel size of 13 hectares (32 acres), the applicant would be required to rezone the subject property from RR60 to M3 Heavy Industrial District. This process would take a minimum of three to four months.

It should be noted that the cross sections A-A and B-B provided by the applicant represent a buffer area of 30 metres which was proposed under the original submission to BCAL. If this is still applicable, than rezoning of the P1 - Parks and Public Use District would also need rezoning to M3 Heavy Industrial.

(3) Westside Road Study

The recently completed study by Urban Systems Ltd. identified only three possible areas or development cells where further industrial activity could be considered. The area proposed for the quarry operation was not one of the cells identified. The report also identified a list of concerns from the Ministry of Forests (MoF) and the Ministry of Water, Land and Air Protection (MWLAP). The Ministries identified areas that should be removed from consideration of sale (MoF) or deleted from any sale (MWLAP). A portion of these areas are located within the subject boundaries of this application. Copies of the concerns from the individual Ministries are included as part of this submission.

(4) Site Areas

The proposal identifies access by way of the existing MoF road south of the CSRD landfill site. The proposal would adversely affect the potential to develop some form of urban development as the proposed access route would effectively split the area in two and raise concerns regarding noise, dust and safety to future residences.

(5) Confirmation of Known Deposits

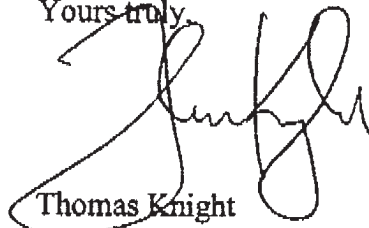
Some confirmation is required to the extent of known gravel deposits within the area. Given the area under consideration - 13 hectares (32 acres) it is important to determine whether the entire area is in fact, under laid with known gravel deposits. Will the LWBC be requesting confirmation of gravel values / quantities through assays?

(6) Reclamation of Existing Site

In respect to the extensive areas quarried within the Big Eddy by H&J Ready Mix, some additional consideration should be given towards the reclamation of the area. Has the applicant provided reclamation plans for the Big Eddy to the Ministry of Energy and Mines?

I trust this provides some clarification of the City's concerns regarding this application. Should you have any questions or require further clarification, please do not hesitate to contact me at (250) 837-3637.

Yours truly,



Thomas Knight
City Planner

cc: Peter Walter, BCAL - Kamloops

URBAN RESERVE**SECTION 19**

Background

- 19.1 Within the City of Revelstoke there are vacant lands which hold potential for some form of urban development yet do not easily fit within one particular land use designation. Some of these lands are surrounded by some combination of residential, commercial and/or industrial use. Others are located in largely undeveloped areas. Infrastructure is available to serve some of these lands. Others are located some distance from community water and sanitary sewer systems. The unifying characteristic of these lands is that the community views them as potential sites for future urban uses.

Objective

- 19.2 It is Council's objective to designate lands which have potential for urban development yet remain in transition as urban reserve.

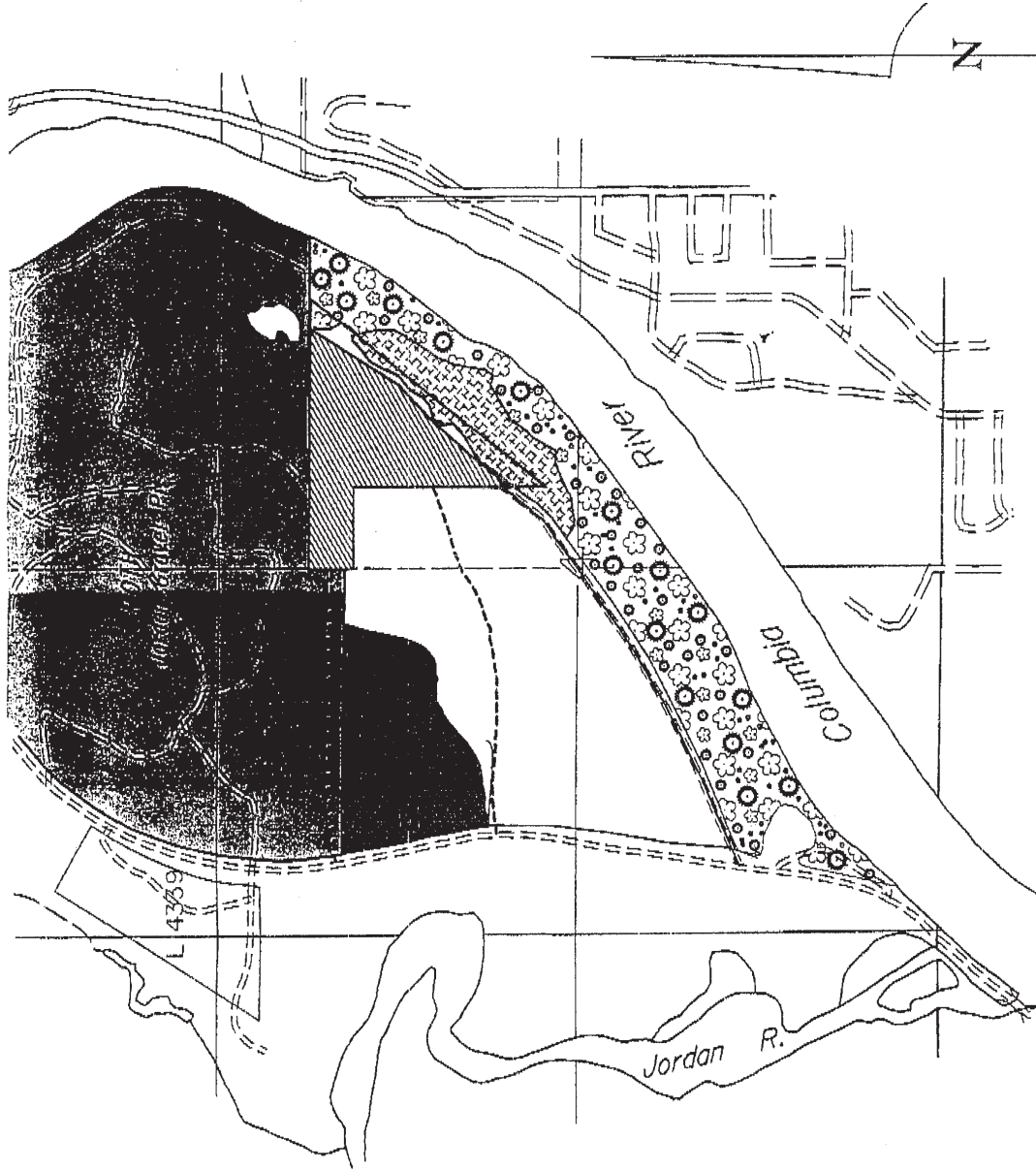
Policies

- 19.3 It is Council's policy to designate areas as Urban Reserve as shown on Schedule C - Land Use Map.
- 19.4 It is Council's policy to consider future development of these lands in the context of the following factors:
- ☐ suitability of site for intended use
 - ☐ compatibility of intended use with adjacent land uses
 - ☐ infrastructure availability
 - ☐ environmental considerations
 - ☐ economic considerations
 - ☐ other factors considered by Council to be relevant

Columbia Forest District

Proposal Map for Revision of H and J Ready Mix Ltd. Gravel Pit Application Area

- Applicant's Proposed Area (13 ha)
- ▨ MOF Proposed Revision Area (10 ha)
- ▤ TSL A56114 Block 3
- ▧ Forested Area
- CSRD Sanitary Landfill
- MOTH - Jordan Gravel Pit
- Applicant's Proposed Access Route
- MOF Revised Access Route

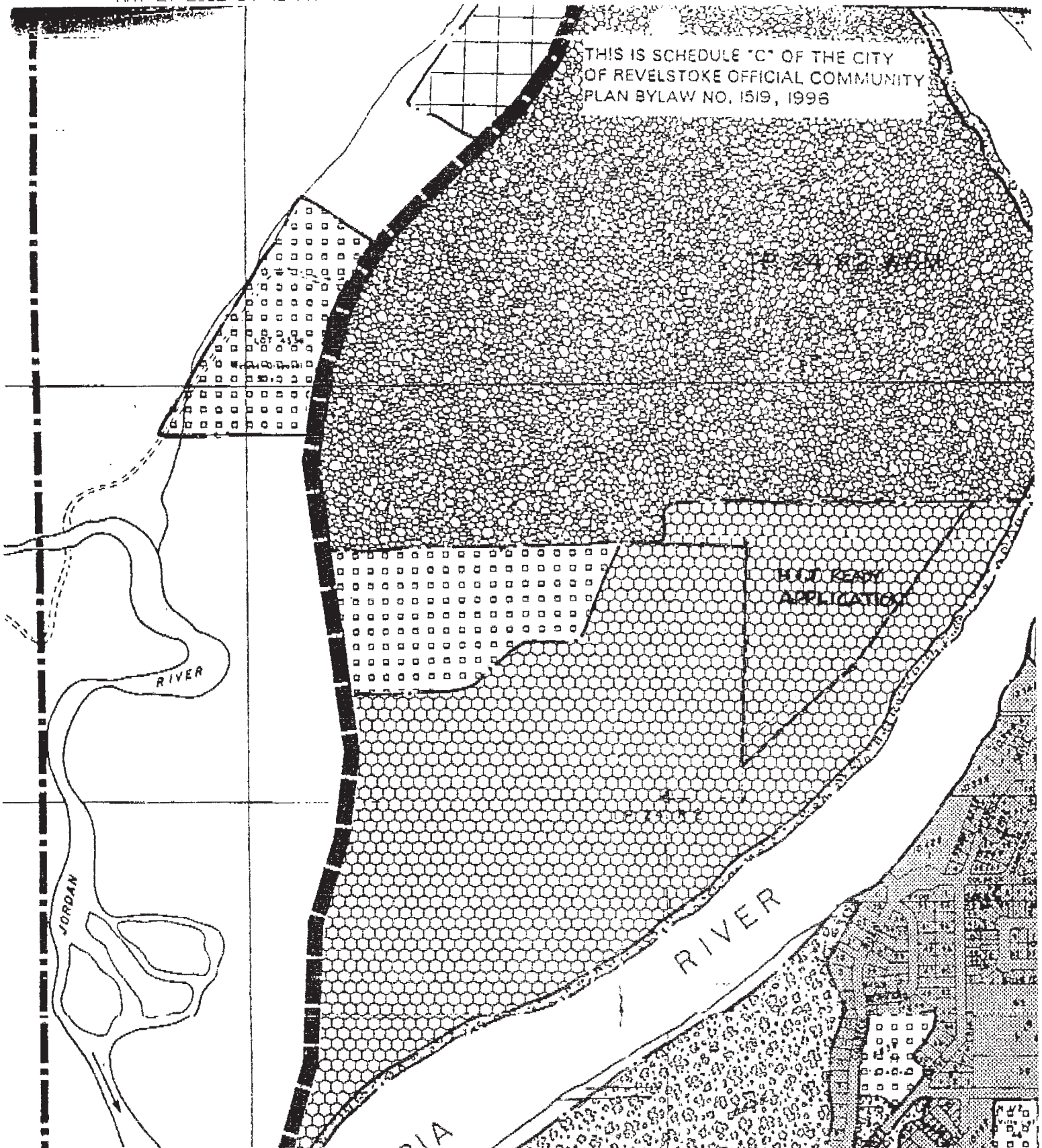





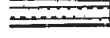




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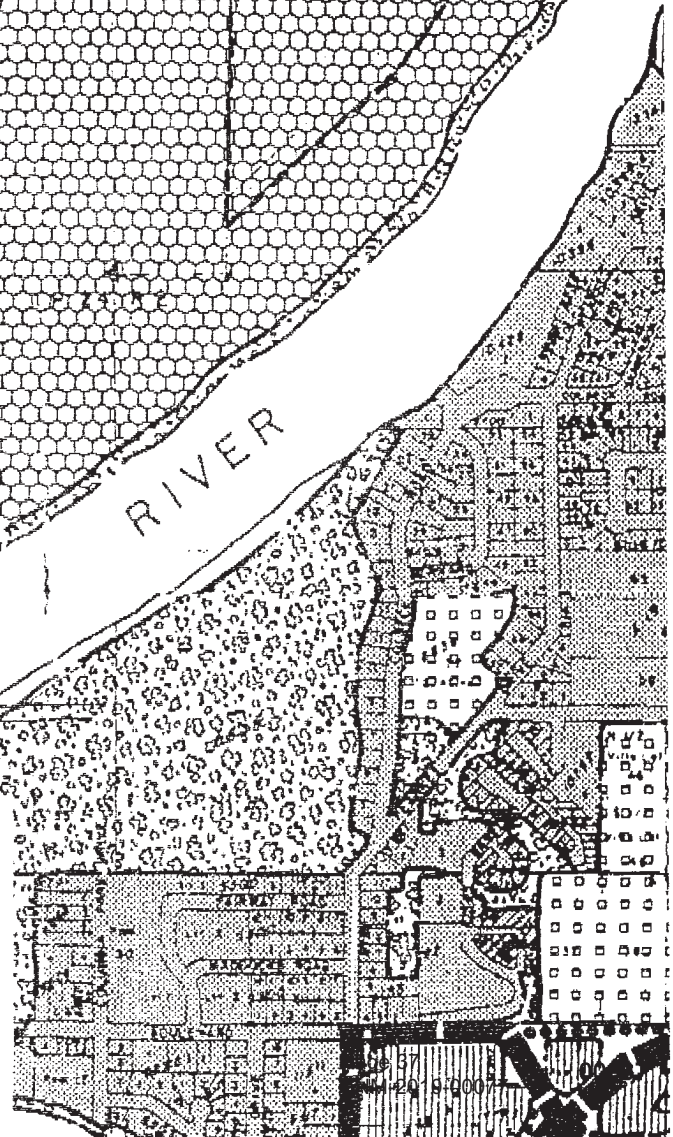
Produced: April 11, 2002
By: V. Beard, GIS Analyst

00036

THIS IS SCHEDULE "C" OF THE CITY
OF REVELSTOKE OFFICIAL COMMUNITY
PLAN BYLAW NO. 1519, 1996



-  FUTURE PARK
-  SAND AND GRAVEL
-  AGRICULTURAL
-  RESERVOIR DRAWDOWN
-  STEEP/UNDEVELOPED
-  URBAN RESERVE
-  AGRICULTURAL LAND RESERVE
-  EXISTING MAJOR STREET NETWORK





Referral Response

LAND AND WATER
BRITISH COLUMBIA INC.

APR 16 2002

File: 10550-20/Lands

CRANBROOK, BC

April 12, 2002

Ian Johnston, SLO
Land and Water British Columbia Inc.
Kootenay Office
205 Industrial Road
Cranbrook, BC
V1C 7G5

Ministry of Energy and Mines
Kamloops, B.C.

Rec'd JUL 22 2002

Dear Sir:

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For these reasons, I recommend that the License of Occupation area be adjusted such that it does not extend into TSL A56114 Block 3 (see map).

Page 1 of 2

Ministry of
Forests

Columbia Forest District

Location:
1761 Big Eddy Road
Revelstoke

Mailing Address:
PO Box 9158 RPO #3
Revelstoke, BC V0E 3K0

Tel: (250) 837-7811
Fax: (250) 837-7020

00039

15

Land and Water British Columbia Inc.
April 12, 2002

2. Compensation of Reforestation Costs.

Upon issuance of the license of occupation to the applicant the decision is made to include the area occupied by TSL A56114 Block 3, we will be seeking compensation for costs made to date (\$1870 per hectare). In addition, we will also be seeking compensation for the reforestation costs made on the balance of the application area outside of TSL A56114 Block 3. As previously discussed with the applicant's representative, Mr. Eric Beresford, these are \$667 per hectare.

3. Access into the proposed Quarry Site from the Westside Road.

The access proposed by the applicant was originally constructed to a lower "short term access" standard as it was only required to complete the salvage logging of TSL A56114 Block 3. If this route is used, the longer term use proposed by the applicant will require reconstruction of some of the sections to make it serviceable and bring it up to Forest Practices Code standards.

After the logging was completed, this road was a vector for numerous incidences of illegal firewood cutting in the treed reserve as well as illegal dumping of garbage. This prompted us to block public access to it. Blocking access also provided the additional benefit of reduced disturbance to the ungulate winter range adjacent to it.

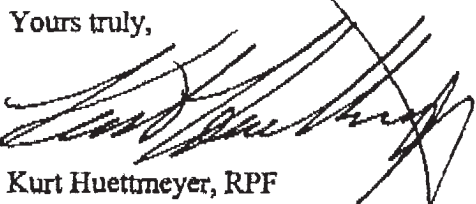
In order to protect the integrity of the values currently provided by this treed reserve, we do not favor re-opening of this access route. Instead we propose that access utilize the more direct route along the existing road immediately to the south of the Columbia Shuswap Regional District Sanitary (CSRD) Landfill (your file # 4401909). A second alternative is to the north of the CSRD landfill through the southern portion of the Ministry of Transportation and Highways Jordan Pit (your file # 4410456).

Given satisfactory conclusion to these issues, we have no other concerns with the proposal. I would appreciate an opportunity to comment on relocation sites if and when H&J Ready Mix Ltd. wants to relocate their operations within the Westside Road Plan area.

If this application is modified as proposed, we are willing to work with the applicant in determining the boundary of TSL A56114 Block 3 in the field.

If you require clarification regarding any of my comments, please call me to discuss further.

Yours truly,



Kurt Huettmeyer, RPF
Operations Manager
Columbia Forest District.

Attachment(s): 1. Response Comments on Referral Request Sheet from Land and Water BC Inc.
2. Map noting adjusted license of occupation area and access alternatives.

Ludwig, Allan EM:EX

From: Ludwig, Allan EM:EX
Sent: Thursday, March 21, 2002 2:05 PM
To: Johnston, Ian BCAL:EX
Subject: Referral File No. 4403844 - H & J Ready Mix Ltd.

Thank you for the opportunity to comment on the above application.

Our ministry recommends approval of the application. The applicant should be advised that before any disturbance occurs on the property he must complete a Notice of Work application and obtain a permit from our ministry.

Please advise our office if a land tenure is issued to the applicant.

A. H. Ludwig, P. Eng.

District Manager/Engineer
Ministry of Energy & Mines
South Central Regional Office
200 - 2985 Airport Road
Kamloops, BC V2B 7W8
Ph.: 250 554 5381 Fax: 250 554 5384
Email: Allan.Ludwig@gems4.gov.bc.ca



**Land and Water
British Columbia Inc.**
An agency of the government of British Columbia

Ministry of Energy and Mines
Kamloops, B.C.
Rec'd **MAR 21 2002**

Kootenay Office
205 Industrial Road G
Cranbrook BC V1C 7G5
PH: (250) 489-8510
FAX: (250) 489-8550

Referral Request

APPLICANT'S NAME H & J Ready Mix Ltd.		LWBC CONTACT: Ian Johnston, SLO	CONTACT PHONE NO: 250-489-8577
APPLICATION ACCEPTANCE DATE March 15, 2002	REF MAP No. 82M.009	LWBC FILE NO: 4403844	DATE SENT: March 15, 2002

MINISTRY OF ENERGY AND MINES
REGIONAL MINERAL LAND
PLANNER
STE 200, 2985 AIRPORT DRIVE
KAMLOOPS BC V2B 7W8



You are invited to comment on the following application, details are provided. Referral responses must be received by the LWBC contact person by **April 15, 2002**. If no response is received by the deadline LWBC will move ahead with the adjudication process.

LOCATION OF CROWN LAND Revelstoke, B.C.		PARCEL SIZE 13.0 Ha +/-
LEGAL DESCRIPTION That part of the Northeast ¼ and Southwest ¼ of Section 4, Township 24, Range 2, West of the 6th Meridian, Kootenay District		
INTENDED LAND USE Quarry Site with Access		
PROPOSED TENURE TYPE License of Occupation	PROPOSED TERM 10 years	PURPOSE Sand & Gravel
ADDITIONAL INFORMATION RELATED TO THE FOLLOWING IS AVAILABLE ON REQUEST		

RESPONSE COMMENTS:

1.Does this application impact your agency's legislated responsibilities? Yes/No. If yes, how will the proposal impact your legislated responsibility and please identify the relevant legislation (section).

2(a).If the proposal impacts your responsibilities, what mitigative measures will be required to address these impacts?

2 (b) If the proposal proceeds, will the proponent require approval or a permit from your agency?

3.Will on-going compliance monitoring be required by your agency as a result of your legislated responsibilities? Yes/No. If yes, explain what will be required.

4.Will this application affect public use of this area? Explain.

For Municipal/Regional Government Use Only: Is the application area zoned for the proposed purpose? If no, what is the current zoning?

What is the estimated time required for a decision on an application to re-zone the area should the applicant wish to pursue this option?

Signed By (if non-electronic version of form used):	Title:
Please Print:	Phone Number:



Referral Request

APPLICANT'S NAME H & J Ready Mix Ltd.		LWBC CONTACT: Ian Johnston, SLO	CONTACT PHONE NO: 250-489-8577
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Signed By (if non-electronic version of form used):	Title:
Please Print:	Phone Number:

Date: Feb. 28 / 2002

DEVELOPMENT AND RECLAMATION PLAN FOR QUARRYING

- * This plan should be accompanied by a detailed site sketch (at appropriate scale which shows the location of all noted below).

1) Proposed use:

End use of material: SAND & GRAVEL MATERIAL FOR CONSTRUCTION USE & READY-MIX CONCRETE PLANT.

Describe investigative work completed: Observations, measurements taken in existing River Terraces, adjacent gravel pits, previous test backhoe trenches (back-filled) - by others.

2) Description of Work:

- a) Pit run ☒; screening ☒; crushing ☒; washing ☒.
b) estimated extraction for current year: 30,000 - 35,000 TONNES
c) height of working face: 6 to 8 m. max.
d) equipment list: Excavator 1 1/2 m³ - F.E.L. Cat. Dozer, Screening/Crushing
e) water supply and waste water treatment: Jordan River, No waste water treatment plant Planned.
f) schedule for initiation for each phase of project, and for completion of quarrying: Estimate commencement April 15th/2002 - completion 2025

3) Surface Disturbance: (make sketch on attached site plan of following activities)

- a) dimensions of open pit 1.5 ha
b) dimensions of cleared area around pit for recontouring 2.0 ha
c) overburden stockpile location
d) product stockpile location
e) access road location and area (if access road greater than 50m then separate application) — ha
TOTAL AREA OF DISTURBANCE 3.5 ha per Phase

4) Present State of Land:

- a) present land use Open Crown Land - un-used - some small trees.
b) vegetation: grass, some trees.
c) soil texture: shallow soil cover, clayey.
d) topography: gently dipping North to South.
e) present use and condition of access road: Access directly off of Westside Road, Use existing access to site along CSRD Landfill boundary.
f) watercourses: None to be disturbed by gravel extraction.
g) depth to water table: 10 - 20 m.
h) A.L.R.: NO i) Provincial Forest: NO j) Zoning: INDUSTRIAL

5) Reclamation Program:

- a) Proposed land use after reclamation: Return to grass, trees or as directed by BCAL.
b) Description of reclamation procedures: Topsoil and overburden will be stripped and stockpiled on site for future reclamation of the land.

Final Slopes will be no greater than 2 Horiz: 1 Vert, Site graded progressively reclaimed as gravel is mined.

A brief summary needed where E.M.P.R. will deal with reclamation plan, otherwise require detailed plan.

Plan to remove gravel by benching and grading to conform with Mines Act - Health Safety & Reclamation Code. Reclaim after use.

Signature of Applicant

K.W. Berenford P. Eng. Agent for H&I. READY MIX LTD

