



File: A3-6108

September 14, 2007

Ministry of Transportation
441 Columbia Street
Kamloops BC V2C 2T3

Attention: Shawn Clough

Dear Shawn:

Re: Approval Application for Changes in and about North Thompson River - Bank Protection (Glenacre Road)

Approval for the above has been amended by the following Engineer's Order.

The original copy of the Approval or a copy of it and this Engineer's Order should be kept at the work site so that it may be shown to a Ministry official upon request.

If you have any questions or concerns regarding this Approval, please contact the Regional Water Management Office.

Yours truly,

Duane Wells, P.Ag.
Assistant Regional Water Manager
Water Stewardship Division
Ministry of Environment

Attachment

pc: Fisheries & Oceans Canada, Kamloops, Attn: Sheldon Romain
Conservation Officer Service, Kamloops, Attn: Rick Hildebrand
Front Counter BC – Kamloops
Argo Road Maintenance, 955 Concordia Way, Kamloops BC V2C 6K7
Attn: Mike Anderson or Tom Bone



BRITISH
COLUMBIA

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ORDER

WATER ACT

SECTION 18

File Number A3-6108

Approval Number A306108

Having determined that no one's concerns would be injuriously affected the above noted approval document is amended as follows:

- Clause D The works authorized shall be completed on or before September 30, 2007.
- Clause E Instream work shall be undertaken during the period September 14, 2007 to September 30, 2007 to minimize the impact on the fisheries' resource.
- Clause P Prior to carrying out any maintenance of the works under this approval, the holder is to attain the consent of the Regional Water Manager, Thompson Cariboo Region.

Dated at Kamloops this 14th day of September, 2007.

Duane Wells, P.Ag.
Assistant Regional Water Manager
Water Stewardship Division
Ministry of Environment

**ARGO ROAD MAINTENANCE
(THOMPSON) INC**
955 Concordia Way
Kamloops, BC V2C 6K7

F A X C O V E R S H E E T

DATE: September 14, 2007 TIME:
TO: Duane Wells, P.Ag PHONE: 3716200
FAX: 8284000
FROM: Tom Bone PHONE: 250-371-7645
FAX: 250-374-6613
RE: File # A3-6108

Number of pages including cover sheet: 1

Message:

Duane:

Please extend the completion date of the above noted Section 9 Approval to September 30, 2007.

We will begin placing the rip rap on behalf of the Ministry of Transportation on Monday September 17, 2007 and will be completed by September 30, 2007

Thank you for your co-operation



for: Tom Bone
General Manager

SEP 05 2007

Ministry of Agriculture and Lands
KAMLOOPS, BC

Section 9 of the Water Act

Changes In and About a Stream

Every applicant for an Approval or his agent shall furnish the following particulars to the Regional Water Management Office:

1. Full name(s) and address of applicant:

Argo Road Maintenance (Thompson) Inc
1655 Lucky Strike Place
Kamloops, BC. V1S 1W5
Telephone (250) 374-6690

RECEIVED
PROCESSING

SEP 13 2007

KAMLOOPS BC

2. Name or clear description of the stream:

North Thompson River

3. Description of the changes proposed to be made in and about the stream (include drawings):

Install approximately 100m³ of rip rap,
tie into existing rip rap installed by MOT.

4. Complete legal description of all lands (including Crown land) affected by the changes (note is a Restrictive Covenant exists on the property):

MOT - Right of Way

5. Authority under which the applicant intends to acquire all lands, easements and rights-of-way required for the proposed changes:

MOT - Ministry of Transportation.

6. Date by which it is intended to complete the proposed changes:

Sept 15, 2007

7. Street address of pertinent property:

located at approximately 7km on Glenacre Road

8. On separate sheet show location sketch and drawings showing p

NOTE: No right of expropriation exists under an Approval. If di easements, it may be better to apply for a water licence i

NOTE: \$130.00 fee to follow if required. Cheque should be made Corporate Relations.

Date: Sept 4, 2007
Receipt No. _____

Signed Michael
If agent, state mailing address and telephone number

DUANE

THIS WAS THE
ONE THAT WAS
EXTENDED INSTEAD
OF NRCO APP.

DARRIN

SEP 05 2007

Ministry of Agriculture and Lands
KAMLOOPS, BC

Section 9 of the Water Act

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Sept 15, 2007

7. Street address of pertinent property:

located at approximately 7km on Glenacre Road
in McLucas

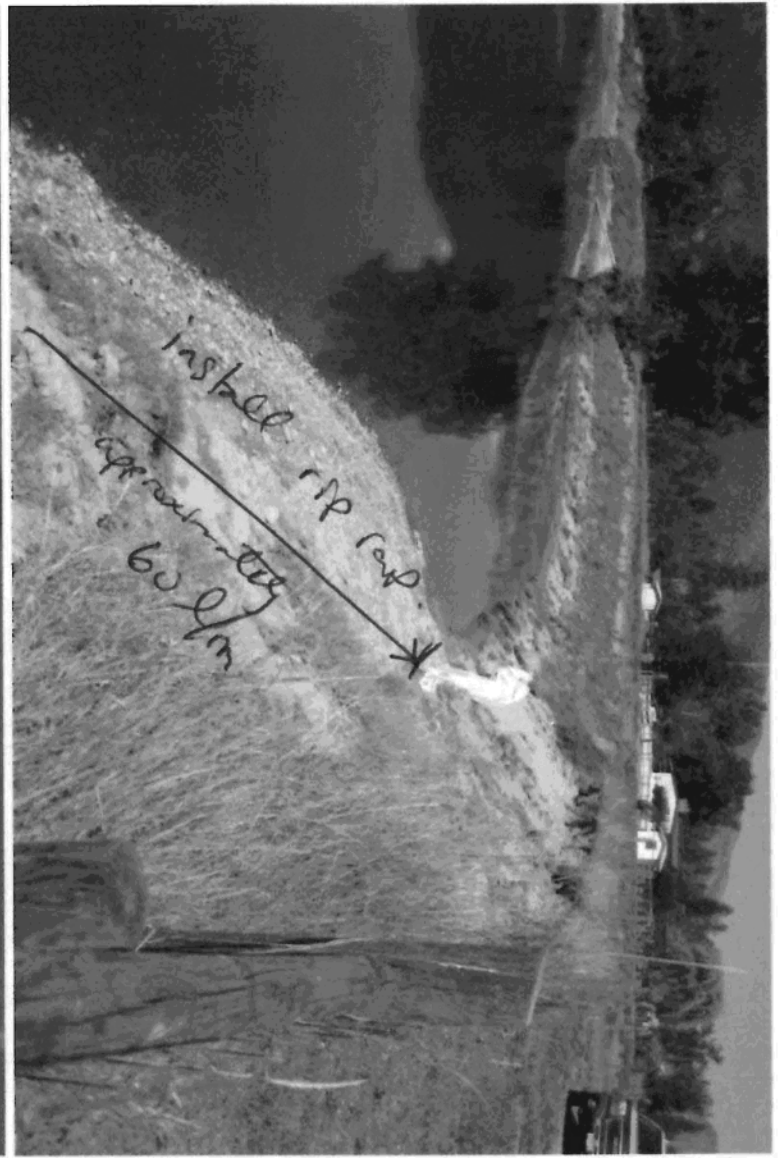
8. On separate sheet show location sketch and drawings showing proposed working plan and profile.

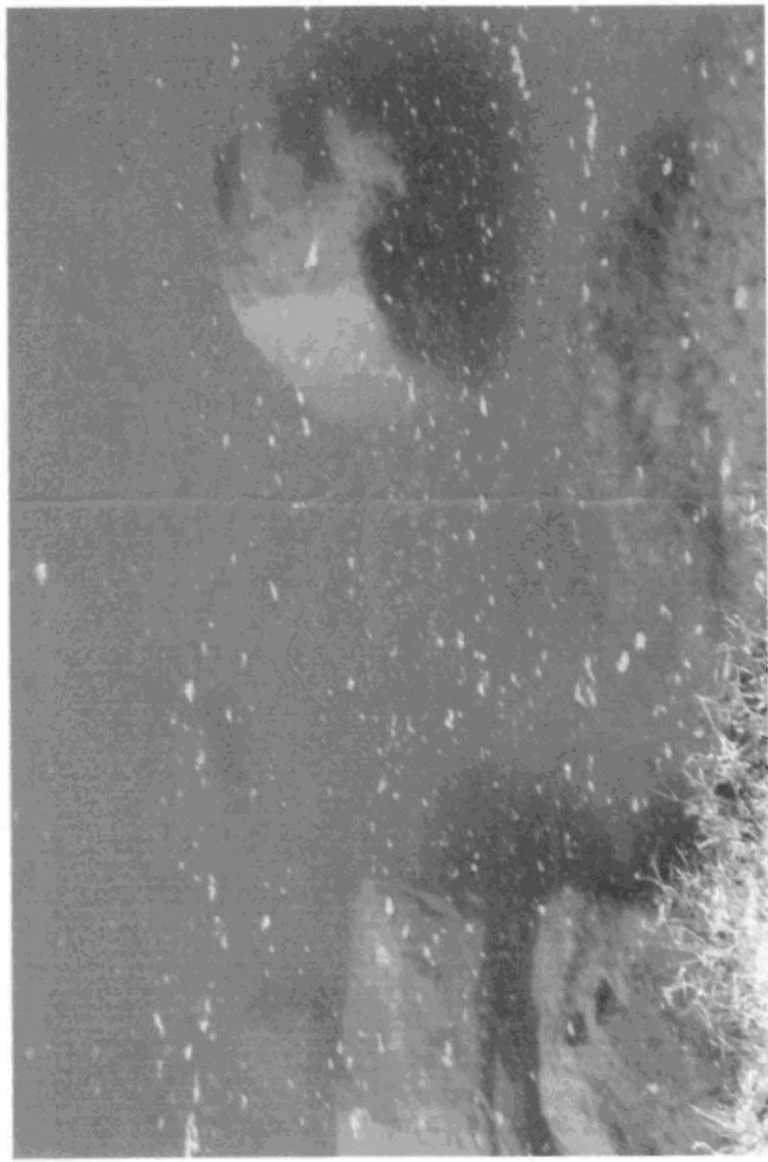
NOTE: No right of expropriation exists under an Approval. If difficulty is to be experienced in obtaining easements, it may be better to apply for a water licence instead of an Approval.

NOTE: \$130.00 fee to follow if required. Cheque should be made payable to the Minister of Finance & Corporate Relations.

Date: Sept 4, 2007
Receipt No. _____

Signed: Michael J. Jones
If agent, state mailing address and
telephone number





notes:- rip rap will be

keyed in.

- no rock to enter stream
- toe of rip rap will always be 2' from edge of water.
- rip rap will be hauled from Larson Pit
 - ↳ Stakepile location behind TNAP site at fish trap.

ARGO ROAD MAINTENANCE (THOMPSON) INC.

1655 Lucky Strike Place
Kamloops, BC
V1S 1W5

TELEPHONE: (250) 374-6690
FAX: (250) 374-6355

FAX INFORMATION SHEET

DATE: Sept 10, 2007 TIME: 11:46am

FROM: NAME: Mike Anderson

TO: COMPANY: WLAP

NAME: Darren Bennet

DEPT.: _____

FAX NO.: 377-2150

TOTAL NO. OF PAGES TRANSMITTED INCLUDING THIS SHEET: 2

SENT BY: [Signature]

If you did not receive all pages as indicated, please contact us at the above phone/fax number.

MESSAGE:

Attached General map to go along
with Section 9.
My email address is manderson@argoroads.ca
Cell # 318-1351
Thank

CONFIDENTIALITY WARNING

The information in this fax is intended only for the use of the person named above. This fax may contain information that is privileged and confidential. If you are not the intended recipient, then take notice that any use, dissemination or copying of this fax is strictly prohibited. If you have received this fax in error, please call us immediately at the above number (collect if necessary) and return this original to us by mail. Thank you.

Page 09

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File: A3-6108

April 11, 2007

Ministry of Transportation
441 Columbia Street
Kamloops, B.C. V2C 2T3

Attention: Shawn Clough

Dear Shawn:

Re: Stream Work Notification – North Thompson River – Bank Protection (Glenacre Road)

Approval for the above has been granted, and the approval document verifying this is attached.

This Approval or copy of it should be kept on the work site so that it may be shown to a Ministry official upon request.

If you have any questions or concerns regarding this Approval, please contact the Regional Water Management Office. You should contact your local government (local or municipal) to determine if there are any additional requirements.

Yours truly,

Duane Wells, P.Ag.
Assistant Regional Water Manager
Water Stewardship Division
Ministry of Environment

pc: Fisheries & Oceans Canada, Kamloops, Attn: Tola Cooper
Conservation Officer Service, Kamloops, Attn: Rick Hildebrand
Front Counter BC – Natural Resource Opportunity Centre



APPROVAL

Changes in and about a stream

WATER ACT - SECTION 9 (1)

Ministry of Transportation, 441 Columbia Street, Kamloops, B.C. V2C 2T3 is hereby authorized to make changes in and about a stream as follows:

- A. The stream is the North Thompson River.
- B. The changes to be made in and about the stream are construction of a 50 m length of riprap bank protection within the south end of Glenacre Road (McLure) as submitted with application.
- C. All works shall comply to design plans submitted by the Ministry of Transportation for the application.
- D. The works authorized shall be completed on or before April 21, 2007.
- E. All work shall be completed in the "dry".
- F. No silt, or other deleterious substances, shall be allowed to enter the water. This must be ensured through the use of appropriate cofferdam materials.
- G. All work shall be conducted from the top of the bank. No equipment shall be operated in the channel.
- H. All conditions in Tola Cooper's, Department of Fisheries and Oceans Letter of Advice dated April 4, 2007 regarding your proposal must be met.
- I. The holder of this approval shall take reasonable care to avoid damaging any land, works, trees or other property, and shall make full compensation to the owners for any damage or loss resulting from the exercise of the rights granted with this approval.

- J. This approval does not authorize entry onto privately held land.
- K. Vegetation along the North Thompson River shall be disturbed as little as possible.
- L. All excavated material and debris shall be placed in a stable area above the high water mark and protected from erosion by planting grass and/or vegetation.
- M. Any machinery operated on the site shall be in good repair and be free of hydraulic leaks and excess surface oil and grease.
- N. Rock used as riprap shall be clean, durable, angular in shape and suitably graded and sized to resist movement by freshet flows.
- O. Where rock riprap is used to protect against erosion, the streambank must be pulled back to a 2:1 slope (2 horizontal and 1 vertical) before the bank is protected. The riprap shall be placed at a slope no steeper than 2:1, and shall have an entrenched toe/apron of rock placed on the streambed at the toe of the slope. The resulting protected channel must have a cross-sectional area greater than or equal to the present cross-sectional area.
- P. The upstream end of the riprap must be keyed (trenched) back into the bank so that the bank protection is not outflanked by erosion farther upstream.
- Q. Department of Fisheries and Oceans office in Kamloops (851-4950) shall be notified one day prior to commencement of the work.
- R. Prior to carrying out any maintenance of the works under this approval, the holder is to attain the consent of the Regional Water Manager, Southern Interior Region.



Duane A. Wells, P.Ag.
Assistant Regional Water Manager
Southern Interior Region

Approval Application or Notification for Changes In and About a Stream

Under Section 9 of the *Water Act* and Part 7 of the *Water Act Regulations*

*Incomplete or inaccurate forms do not constitute **Notification** & will not be accepted.*

Proceeding with works after submission of an incomplete or inaccurate form would be a violation of the Water Regulation

☒ **APPROVAL APPLICATION**

☐ **NOTIFICATION¹ (see USERS' GUIDE)**

1. Applicant Information

Name: Ministry of Transportation – Thompson Nicola District – Attention: Shawn Clough		
Address: 441 Columbia Street		
City: Kamloops	Province: BC	Postal code: V2C 2T3
Phone: 250-314-6146	e-mail: shawn.clough@gov.bc.ca	

2. Location of Works

Street Address of Works (or nearest town): South End of Glenacre Road (McLure)		
Stream Name: North Thompson River	Flows Into: Thompson River	
Location on Stream: East Bank, just south of McLure Ferry Crossing, back channel		
Reference Landmarks: End of public road	Amount of disturbance in m ² : 200	
Multiple Sites: NO:	Number of sites: 1	
Latitude: 51 1" 22'	Longitude: 120 13" 40'	Elevation:
Legal description of property where work is proposed:		

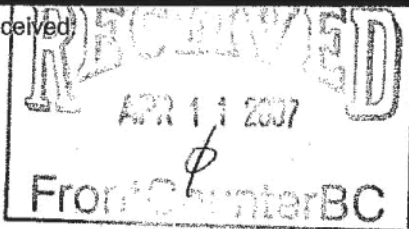
3. Drawing, Plan and Site Map

1. Attach drawing showing lot boundaries, location of buildings and of proposed works, stream direction and flow.
2. Attach a key map at an appropriate scale showing the location of the site.
3. Attach engineering drawings (may be required for works identified with ^E under **Requires Approval** section below).

4. Proposed Timing for Work

Start (day/month/year): 9/04/2007	Finish (day/month/year): 23/04/2007
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FOR OFFICE USE ONLY

Date Received: 	Water File Number:
	Client Number:
	Application Number:
	Amount Received:
	Receipt Number:

5. Type of Works

Requires Approval:

- ☒ **B... Erosion Protection** ^E
- ☐ Bridge Installation/maintenance/removal (other than clear span) ^E
- ☐ Stream Diversion ^{QP} Diversion berm structure plan required
- ☐ Large Debris Removal – by machine ^{QP} plan required
- ☐ Gravel Removal ^{QP}
- ☐ Other: Provide details in space below

*Provide culvert dimensions:

Length:

Width:

Diameter:

^E Professional Engineer may be required

^{QP} Qualified Professional may be required

Requires Notification:

- ☐ Installation*/maintenance/removal of road crossing **culvert** (*follow Forest Practices Code Stream Crossing Guidebook)
- ☐ Construction/maintenance/removal of a **clear span bridge**
- ☐ Construction/maintenance of a **pipeline crossing**
- ☐ Construction/maintenance/removal of a **pier or wharf**
- ☐ Cutting of **annual vegetation** in a stream channel
- ☐ Repair/maintenance of existing **dike or erosion protection works**
- ☐ Construction/maintenance of **storm water outfalls**
- ☐ Control of **Eurasian Watermilfoil** or other **aquatic vegetation**
- ☐ Construction/maintenance of **ice bridge, winter ford or snowfall**
- ☐ Maintenance of minor and routine nature by a public utility
- ☐ Removal of a **beaver dam** (As authorized under the Wildlife Act)
- ☐ Small debris removal – by hand
- ☐ Construction of a **temporary ford**
- ☐ Construction of a **temporary diversion** around a worksite

The following require **Notification** and may only be undertaken by the Crown in right of either Canada or British Columbia, or their Agents:

Federal/Provincial

- ☐ Construction/maintenance/removal of a flow or water level **measuring device**
- ☐ Construction/removal of a **fish fence or screen, fish or game guard**
- ☐ Restoration/maintenance of **fish habitat**

The following require **Notification** and may only be undertaken by the Crown in right of either British Columbia, or a Municipality, or their Agents:

Provincial/Municipal

- ☐ Restoration/maintenance of a **stream channel**
- ☐ Clearing of an obstruction from a bridge or culvert during a flood emergency¹
- ☐ Construction or placement of **erosion protection works or flood protection** works during a flood emergency²

¹ Some activities fitting the description for Notification may be reviewed by Ministry/Agency staff, who may decide that an Approval is required

² Must be completed under direction of the Crown. No notification is required prior to undertaking works, but a description of changes must be submitted to a habitat officer within 72 hours of the change

^{QP} QP means a professional who through suitable education, experience, accreditation and knowledge may be reasonably relied on to provide advice within their area of expertise.

Detailed Description of Work to be Performed (continue on next page):

Total area disturbed by proposed works (all sites): 200 m²

The project is a straight forward rip rap placement project that should not require in-stream work. Large diameter rip rap will be placed to the toe of the eroding bank, at the low water mark. The bank does not require re-sloping, just addition of 1m rip rap at a slope of 1.25:1 to a height of ~ 4 m above the low water mark (see typical drawings).

All work is proposed to take place outside of the water, with rip rap and gravel being imported to the site from the Peterson pit north of Barriere.

Small woody debris will be incorporated into the rip rap at existing water level to supply fish habitat complexity.

Detailed Description of Work to be Performed, continued (attach a separate document if more space is required):

We are in process of getting written approval to proceed, owner is working in Kelowna. Have received verbal approval.

6. Land Ownership

Please check one of the following:

☐ The applicant is the owner of the property.

☐ The property is Crown land. Tenure/licence number:

☒ The property is owned by the following Landowner (i.e. Landowner is different from applicant):

Landowner's Name: s.22

Address: Glenacres Road

City: Kamloops

Province: BC

Postal code:

Phone:

e-mail:

Do you have the Landowner's written approval to enter the land(s) to complete the works? ☐ Yes ☒ No

Note: a) Ownership of all parcels of land on which the proposed works will occur must be identified, b) do not attach the written approval with the application, but keep it for your files as you may be asked to produce it during an inspection or audit.

7. Who is doing the Work?

Contact information for company designing and supervising construction of the work (if different from applicant):

Company Name:

Contact Name:

Professional Affiliation:

Address:

City:

Province:

Postal Code:

Phone:

e-mail:

Contact information for company undertaking the construction (if different from applicant):

Company Name:

Contact Name:

Address:

City:

Province:

Postal Code:

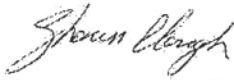
Phone:

e-mail:

8. Statement of Intent

By submitting this application form, I declare that the information contained on this form is complete and accurate information. I have read, understood and will meet the requirements to construct works and changes in and about a stream in accordance with Section 9 of the *Water Act* and Part 7 Water Act Regulations including, for Notifications, **Terms and Conditions** as specified by a Habitat Officer of the Ministry of Environment.

Signed: _____



Application Date: 05/04/2007

day/month/year

9. Submission Instructions

Send the completed form along with the following attachments to the local office in which the proposed works are located. Addresses for local offices are listed on the instruction sheet. **Please note that the Approval application fee of \$130 is non-refundable.** If the proposed works require an Approval, prior to proceeding further with this application please ensure that this project will be able to proceed under the *Federal Fisheries Act*.

☒ Sketch plan (mandatory)

☐ Engineering drawing (mandatory for works requiring approval noted with ^E)

☒ Key location map (mandatory)

☐ For works requiring an Approval, a cheque or money order for \$130 payable to: Minister of Finance. The fee is non-refundable.

10. Responsibilities

You are required to comply with all applicable federal, provincial and municipal laws and regulations. If you anticipate that the planned work may result in harmful alteration, disruption or destruction of fish habitat you should send a copy of your completed Notification/Approval Application directly to the nearest office of Fisheries and Oceans Canada. Review and comment by DFO may necessitate changes to the proposed works.

Has a copy of this notification/approval application been sent to Fisheries and Oceans Canada (check one)?
YES ☒ NO ☐

If YES, indicate the DFO office that the notification/approval application has been sent (for DFO offices, see Users' Guide):

Kamloops Office – Attention: Tola Cooper _____