



January 25, 2016

Prince Rupert Gas Transmission Ltd.
450 - 1st Street SW
Calgary, AB
T2P 5H1

Attention: Surface Land Administrator

RE: Road Permit

Road Location: From NTS: b-75-G/93-K-15 To NTS: c-75-G/93-K-15
From: UTM Zone 10 Northing 6084468 Easting 391788; To: UTM Zone 10 Northing 6084799 Easting 391964
Date of Issuance: January 25, 2016
Road No.: 03170
Road Name: Ningwus Koh
OGC File No: 9641839

PERMISSIONS

1. The BC Oil and Gas Commission ("the Commission"), under section 25 (1) of the *Oil and Gas Activities Act* hereby permits the holder to construct and maintain an oil and gas road, subject to the following conditions:
 - a. Subject to permission 2, the authorization granted under this permit is limited to the area described in survey plan number; plan; Job: 3111-22807, Revision 0, dated October 01, 2014, by McElhanney Geomatics Professional Land Surveying Ltd. as submitted to the Commission in the transition application dated January 21, 2015.
 - b. Following initial construction of the road, future permission to construct is limited to required modifications within the operating area except as otherwise restricted by this permit.
2. Pursuant to Section 138(1) of the *Petroleum and Natural Gas Act*, the permit holder is authorized to enter, occupy and use any unoccupied Crown land located within the operating area to carry out the oil and gas activity authorized under this permit.
3. The authorization to occupy and use Crown land expires if this permit expires, or is suspended, cancelled, surrendered or declared spent.

CONDITIONS

1. The permit holder must submit the post construction plan, as per section 11 of the Oil and Gas Road Regulation, as an ePASS shape file and PDF plan accurately identifying the location of the total area actually disturbed under this permit.
2. The permit holder will immediately effect, and keep in force while occupying the site, insurance of an amount not less than \$1,000,000 protecting the Province, the Commission and the permit holder (without any rights of cross-claim or subrogation) against claims for personal injury, death, property damage, or third party liability claims arising from any accident or occurrence on the site.
3. The authorization to occupy and use Crown land does not entitle the permit holder to exclusive possession of the area.
4. The rights granted by this authorization are subject to all subsisting grants to or rights of any person made or acquired under the *Coal Act, Forest Act, Land Act, Mineral Tenure Act, Petroleum and Natural Gas Act, Range Act, Water Act or Wildlife Act*, or any extension or renewal of the same.
5. The permit holder must not assign, sublicense or transfer this permit or permit any person to use or occupy the land, other than its employees, contractors, or representatives, without the Commission's written consent.
6. The permit holder must ensure that the area is maintained in a condition so as to minimize hazards, including but not limited to hazards associated with storage of materials and equipment.

7. The permit holder must ensure that the area is free of garbage, debris and unused equipment.
8. Stream and wetland crossings must be constructed in accordance with the methods and any mitigations, as specified in the application.
9. Following initial construction, stream crossings are authorized for necessary road modification or maintenance activities on the operating area except for:
 - a. construction or replacement of a bridge or major culvert on a S1, S2, S3 or S5 stream;
 - b. installation of a closed bottom structure in a fish bearing stream; or
 - c. excavation or grading of a stream bank or stream bed.
10. Stream crossings must be constructed, maintained and deactivated according to the following requirements, as applicable:
 - a. Only bridges, culverts, ice bridges or snow fills may be constructed at stream crossings.
 - b. Snow fills must consist of clean snow and may only be located on streams that are dry or frozen to the bottom during the period of construction, maintenance and use. Where periodic thaws are anticipated, culverts must be installed to allow meltwater to pass through. Snow fill and any installed culverts must be removed prior to spring snow melt.
 - c. Ice bridges on fish bearing streams may only be constructed where sufficient water depth and stream flows prevent the bridge structure from coming in contact with the stream bottom.
 - d. in-stream activities within a fish bearing stream must occur
 - i. during the applicable reduced risk work windows as specified in the during the applicable reduced risk work windows as specified in the Peace Region Selected Terrestrial and Aquatic Wildlife Least-Risk Windows – April 2011;
 - ii. in accordance with alternative timing and associated mitigation recommended by a qualified professional and accepted by the Commission; or
 - iii. in accordance with an authorization or letter of advice from Fisheries and Oceans Canada that is provided to the Commission.
 - e. Bridge or culvert abutments, footings and scour protection must be located outside the natural stream channel and must not constrict the channel width.
 - f. Equipment used for activities under this authorization must not be situated in a stream channel unless it is dry or frozen to the bottom at the time of the activity.
11. An Archaeological Impact Assessment (AIA) is required for the proposed development area prior to any development activities taking place.

An AIA report must be submitted to the Commission as soon as practicable.

If artifacts, features, materials or things protected under section 13(2) of the Heritage Conservation Act are identified the permit holder must, unless the permit holder holds a permit under section 12 of the Heritage Conservation Act issued by the Commission in respect of that artifact, feature, material or thing:

 - a. immediately cease all work in the vicinity of the artifacts, features, materials or things;
 - b. immediately notify the Commission and the Archaeology Branch of the Ministry of Forests, Lands and Natural Resource Operations
 - c. refrain from resuming work in the vicinity of the artifacts, features, materials or things except in accordance with an appropriate mitigation plan that has been prepared in accordance with the Heritage Conservation Act and approved by the Archaeology Branch of the Ministry of Forests, Lands and Natural Resource Operations.
12. Road right of way width must not exceed 30 metres.
13. This permit authorizes 1.34 ha. of new Crown land area disturbance only.
14. The permit holder must notify Nak'azdli Band a minimum of five (5) days prior to construction activities.
15. The permit holder must notify Carrier Sekani Tribal Council a minimum of five (5) days prior to construction activities.

16. The permit holder must notify Tl'azt'en Nation a minimum of five(5) days prior to construction activities.
17. The permit holder must notify Yekooche First Nation a minimum of five (5) days prior to construction activities.
18. Upon deactivation, the permit holder must restore any impacted trails traditionally used by Nak'azdli First Nation, Yekooche First Nation or Tl'az'ten First Nation, if the location of the trail is made known to the permit holder prior to the permit holder's notice of construction start.

ADVISORY GUIDANCE

1. Workspaces include any work space needed to carry out the oil and gas activity including shoofly, log deck, storage site, laydown areas, stockpile sites, helipads, campsite, or temporary workspace. Workspaces do not include sumps.

RELATED AUTHORIZATIONS ASSOCIATED WITH THE PERMIT

Cutting Permit under Master Licence to Cut under section 47.4 of the Forest Act

1. The Commission hereby issues the permit holder Cutting Permit No. 8 under Master Licence to Cut number M02371, subject to the following conditions:
 - a. This Cutting Permit is subject to the terms and conditions in the Master Licence to Cut.
 - b. This Cutting Permit applies to only the Crown land portion shown on survey plan associated with this Permit (survey plan number, Job: 3111-22807, Revision 0, dated October 01, 2014, by McElhanney Geomatics Professional Land Surveying Ltd.).
 - c. All harvested Crown timber must be marked with Timber Mark Number MTB 311.
 - d. This Cutting Permit is deemed spent upon the submission of the post construction plan or upon either the cancellation or the expiry of the permitted oil and gas activity.
 - e. This Cutting Permit does not grant the permit holder the exclusive right to harvest timber from the License area and the Commission reserves the right to grant rights to other persons to harvest timber from the License area.
 - f. The felling, bucking and utilization specifications as described in Appendix A of your Master License to Cut applies to this Cutting Permit.
 - g. Stumpage for this Cutting Permit will be calculated as per Section 6.7 in the Interior Appraisal Manual.
 - i. Where timber felled on the cutting authority area that will not be removed from the site, volume billed will be based on an approved alternate method of scale.
 - h. Timber that is stored in decks or piles must be marked with the correct timber mark before transportation, or at the end of every shift. The marking must be applied to one end of at least 10% of the timber pieces in each deck or pile using a hammer indentation or paint. Marking must be kept concurrent with decking.
 - i. Where the permit holder is aware of overlapping forest tenure rights that have been granted to other persons, the permit holder is obligated to communicate to these persons the timing and extent of their harvest operations at least two weeks prior to commencement of harvest and take all reasonable steps to coordinate their activities with these persons.
 - j. This permit authorizes 1.34 ha. of new cut only.



Justin Anderson
Authorized Signatory
Commission Delegated Decision Maker

pc. Roy Northern Land Service Ltd.

OGC File: 9641839

MoFLNRO: Fort St. James Forest District

OGC First Nations: CSTC, NAFN, TLAZ, YFN

LEGEND :

- P.R.G.T. Pipeline Right of Way
- Centerline
- Non-Tenured Road
- Cutblock/Opening
- Mineral Tenure
- Creek/Drain
- Wetland Area
- Wildlife Tree Patch

NOTES :

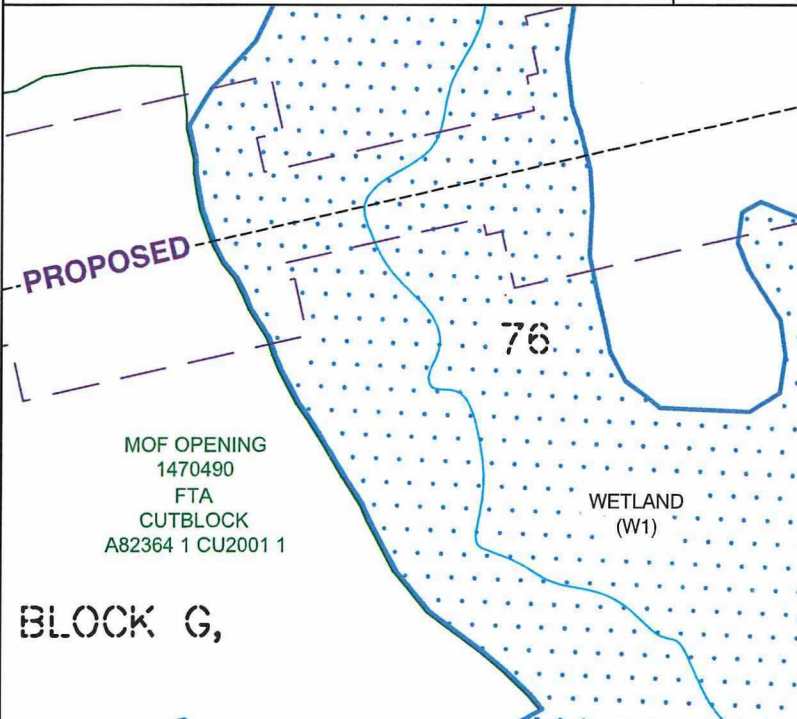
- The proposed project is not within the Agricultural Land Reserve (ALR)
- Project to be flagged at time of construction.
- UTM Coordinates shown are NAD83 Zone 10 N.
- The proposed project is within the South OGC Zone.
- Distances shown are in metres and decimals thereof.

McELHANNEY
 8808 - 72nd Street
 Fort St. John, British Columbia
 Phone:(250)787-0356, Fax:(250)787-0310
 Job : 3111-22807

BCGS 93K . 087 APPROVER: ROB BEDARD
 EPASS# 10049820 PROJECT MANAGER: SANTINO PIRILLO

REVISION	DESCRIPTION
0	Issued for Use, October 1, 2014

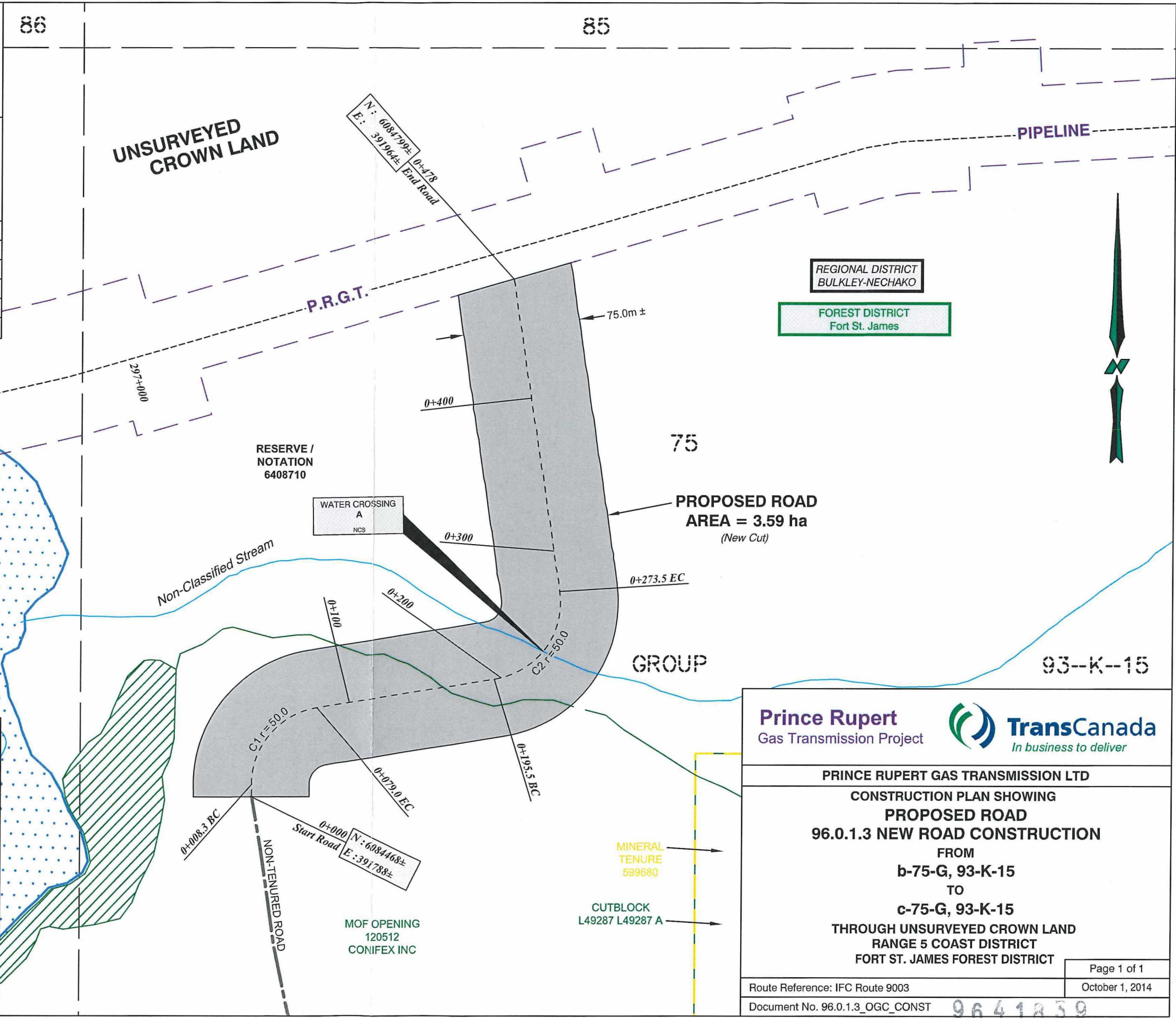
SCALE 1:2500 DRAFT: NMA
 CKD.: EH



No	DESCRIPTION	STATION	NORTHING/EASTING	DRAWING
A	NON-CLASSIFIED STREAM	0+232	N 6084558± E 391978±	No Plan Req'd

SEGMENT	FROM	NAD83 UTM ZONE 10		TO	NAD83 UTM ZONE 10		LAND TYPE
		NORTHING	EASTING		NORTHING	EASTING	
1	b-75-G, 93-K-15	6084468±	391788±	c-75-G, 93-K-15	6084799±	391964±	CROWN
		LENGTH			AREA (ROAD)		
		0.478 km	75m		3.59 ha		

Proposed Features:	New Cut	Existing Clearing	Total
PROPOSED ROAD	3.59 ha	0.00 ha	3.59 ha
TOTAL CROWN LAND DISTURBANCE	3.59 ha	0.00 ha	3.59 ha



Prince Rupert Gas Transmission Project **TransCanada**
In business to deliver

PRINCE RUPERT GAS TRANSMISSION LTD

CONSTRUCTION PLAN SHOWING PROPOSED ROAD
96.0.1.3 NEW ROAD CONSTRUCTION
 FROM **b-75-G, 93-K-15**
 TO **c-75-G, 93-K-15**
 THROUGH UNSURVEYED CROWN LAND
 RANGE 5 COAST DISTRICT
 FORT ST. JAMES FOREST DISTRICT

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 Route Reference: IFC Route 9003 October 1, 2014
 Document No. 96.0.1.3_OGC_CONST 9641839