



November 18, 2016

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

Attention: Prince Rupert Gas Transmission Ltd.

RE: Amendment to OGC Legacy #9642062

Permit Holder: Prince Rupert Gas Transmission Ltd.
Amendment Date of Issuance: November 18, 2016
Amendment Effective Date: November 18, 2016
Application Submission Date: April 28, 2016
Amendment Application Determination Number: TBD
Approved Disturbance Footprint: 39.58 ha

GENERAL PERMISSIONS, AUTHORIZATIONS and CONDITIONS

PERMISSIONS

Oil and Gas Activities Act

1. The BC Oil and Gas Commission (the "Commission"), under section 31(7) of the *Oil and Gas Activities Act*, hereby grants an amendment to the above referenced permit, as detailed in the Amendment Details table, below, and any associated authorizations subject to the original permit, any subsequent amendments and any additional or revised conditions as set out herein.

AMENDMENT DETAILS

Road Number No.: 03233	To increase the width of the road from 10 m wide to 30 m wide. The widest part of the road will measure 83 m wide, at one corner. New cut will increase by 26.42 ha, making the total area required for this road 39.58 ha.
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2. The permissions and authorizations granted under this amendment are limited to the area described in construction plan Document No: 161.0.1.0_OGC_CONST, Sheet 1-9 of 9, Revision 1, dated July 28, 2015 (the "construction plan") by McElhanney Geomatics Professional Land Surveying Ltd. as submitted to the Commission in the permit application dated April 28, 2016.
3. Pursuant to section 138(1) of the *Petroleum and Natural Gas Act*, the Permit Holder is permitted to enter, occupy and use any unoccupied Crown land located within the activity area to carry out the oil and gas activities and related activities permitted, or authorized herein.
 - a) The permission to occupy and use Crown land does not entitle the Permit Holder to exclusive possession of the area.
 - b) The total disturbance within the activity area must not exceed the total approved disturbance footprint as referenced above.

Forest Act

- The Commission, pursuant to section 47.4 of the *Forest Act*, hereby authorizes the removal of Crown timber from the activity area under the cutting permits associated with the Master Licence(s) as follows:

Master Licence to Cut No.: M02374

Cutting Permit No.: 43

Timber Mark No.: MTB863

Total New Cut: 26.42

Forest District: (DSS) Skeena Stikine Natural Resource District

Region: Interior

- The cutting permits are deemed spent upon the submission of the post-construction plan or upon either the cancellation or expiry of the activities authorized under the permit.

CONDITIONS

Notification

- A notice of construction start must be submitted prior to the commencement of activities under this permit 48 hours before or as per the relevant legislation if longer than 48 hours. Notification must be submitted via Kermit for pipelines and facilities. For all other activity types notification must be submitted through OGC.ExternalNotifications@bcogc.ca.
- Within 60 days of the completion of construction activities under this permit, the Permit Holder must submit to the Commission a post-construction plan as a shapefile and PDF plan accurately identifying the location of the total area actually disturbed under this permit. The shapefile and plan must be submitted via eSubmission.
- A notice of maintenance activities must be submitted, as per the relevant Commission process at the time of submission, at least ten (10) working days prior to the commencement of any changes in or about a stream associated with maintenance activities.
- At least ten (10) working days prior to the commencement of any changes in or about a stream associated with maintenance activities, the Permit Holder must provide a notice of works to any First Nation(s) who may have Aboriginal Interests identified, as per the BC First Nations Consultative Areas Database, within the area in which the works are to occur.

Environmental

- Construction activities must not result in rutting, compaction or erosion of soils that cannot be reasonably rehabilitated to similar levels of soil productivity that existed on the operating area prior to the construction activities taking place.
- Any temporary access must be constructed and maintained in a manner that provides for proper surface drainage, prevents pooling on the surface, and maintains slope integrity.

Clearing

- The Permit Holder is permitted to fell any trees located on Crown land within 1.5 tree lengths of the activity area that are considered to be a safety hazard according to *Workers Compensation Act* regulations and must be felled in order to eliminate the hazard. Trees or portions of these trees that can be accessed from the activity area without causing damage to standing timber may be harvested.
- The holder of the cutting permit must pay to the government, stumpage and any waste billing determined in accordance with the terms of this authorization.
- The authorized cutting permit does not grant the Permit Holder the exclusive right to harvest Crown timber from the activity area. Authority to harvest some or all of the timber may be granted to other persons. The Permit Holder's right to harvest timber applies to any timber found on the site at the time they undertake harvesting activities.
- All harvested Crown Timber must be marked with the cutting permit's associated Timber Mark.

16. Stumpage for cutting permits falling within the Interior Area, as defined in the Interior Appraisal Manual (Manual) will be calculated in accordance with the Manual as amended from time to time. In the current version of the Manual, stumpage will be determined in accordance with Table 6-3 (volume based).
17. Any waste assessments applied under the Master Licence to Cut are subject to the merchantability specifications and monetary waste billing requirements in the Provincial Logging Residue and Waste Manual specific to the region associated with the Cutting Permit authorization.

Water Course Crossings and Works

18. Stream, lake and wetland crossings must be constructed in accordance with the methods and any mitigations, as specified in the application.
19. In-stream activities within a fish bearing stream, lake or wetland must occur:
 - a) during the applicable reduced risk work windows as specified in the Skeena Region Reduced Risk In-stream Work Windows and Measures;
 - b) in accordance with alternative timing and associated mitigation recommended by a Qualified Professional and accepted by the Commission; or
 - c) in accordance with an authorization or letter of advice from Fisheries and Oceans Canada that is provided to the Commission.
20. At any time, the Commission may suspend instream works authorized under this approval. Suspensions on instream works will remain in place until such time as the Commission notifies permit holders that works may resume. Reasons for suspension of works may include, but are not limited to, drought conditions and increased environmental or public safety risks.
21. Following initial construction, stream crossings are authorized for necessary road modification or maintenance activities on the activity 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;
 - c) excavation or grading of a stream bank or stream bed;
 - d) works within a Temperature Sensitive Stream established by order under s. 27 of the Environmental Protection and Management Regulation; or
 - e) Works within a Fisheries Sensitive Watershed established by order under section 28 of the Environmental Protection and Management Regulation.
22. Stream crossings for roads must be constructed, maintained and deactivated according to the following requirements, as applicable:
 - a) Only bridges, culverts, ice bridges, log box culverts, 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) Water applied to construct an ice bridge on a water body must be sourced in accordance with the *Water Sustainability Act* unless:
 - (i) the water body is a stream with a stream channel width of at least 5 metres and is not designated as a sensitive stream under the Fish Protection Act, or has a riparian class of W1, W3, or L1;
 - (ii) the water is sourced from the same water body proximal to the location on which the ice bridge is constructed;
 - (iii) the water body is not within the boundaries of a public park;

- (iv) pump intakes do not disturb beds of streams or wetlands except as necessary for the safe installation and operation of equipment, and are screened with a maximum mesh size and approach velocity in accordance with the Fisheries and Oceans Canada Freshwater Intake End-of-Pipe Fish Screen Guideline; and
- (a) where the water body is a stream, the flow of water in the stream at the time and location of pumping exceeds 60 litres per second and the instantaneous pumping rate does not exceed 1% of the water flowing in the water body at the time and location the pumping occurs; or
 - (b) where the water body is a lake or pond, the cumulative volume of water withdrawn does not exceed 10 cm of lake or pond depth, calculated as the product of lake or pond surface area x 10 cm;
- e) Bridge or culvert abutments, footings and scour protection must be located outside the natural stream channel and must not constrict the channel width; and
 - f) Equipment used for activities under this Permit must not be situated in a stream channel unless it is dry or frozen to the bottom at the time of the activity.

23. Wetland crossings must be constructed, maintained and removed in accordance with the following:

- a) Organic cover within and adjacent to the wetland must be retained;
- b) Minimize erosion or release of sediment within the wetland;
- c) Any padding materials must be placed on the wetland surface only and must not be used for infilling;
- d) Any padding materials must be removed as soon as practicable following construction, considering weather and ground conditions; and
- e) The wetland, including banks and bed, must be restored, to the extent practicable, to the condition that existed before the crossing was initiated.

Archaeology

24. 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; and
- 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.

This amendment forms an integral part of your permit(s) and should be attached thereto.



Tarilee Rauscher
Authorized Signatory
Commission Delegated Decision Maker

Permit Holder: Prince Rupert Gas Transmission Ltd.
OGC Legacy Number: 9642062

Application Submission Date: April 28, 2016

Date Issued: November 18, 2016

Amendment 1 & 5

Copied to:

Land Agent – Roy Northern Land Service Ltd.
First Nations – LXDJ
Ministry of Forests District Office – (DSS) Skeena Stikine Natural Resource District

LEGEND:

--- P.R.G.T. Pipeline Centreline	DL Boundary
--- P.R.G.T. Pipeline Right Of Way	River / Creek
--- Opening	Wetland
--- Non-Tenure Road	Riparian Management Zone (RMZ)
--- Road Centreline	Riparian Reserve Zone (RRZ)
--- Visual Sensitivity	Mining Interest
--- Crown Tenure	Old Growth Management Area (OGMA)
--- River / Creek	Ungulate Winter Range
	Wildlife Tree Retention
	Woodlot

Notes :
 -The proposed project is not within the Agricultural Land Reserve (ALR).
 -UTM coordinates shown are NAD83 Zone 9 N.
 -The proposed project is within the South West OGC Zone.
 -Distances shown are in meters and decimals thereof.

McElhanney
 8808 72nd Street
 Fort St. John, BC, V1J 6M2
 Tel: 250-787-0356
 Job: 3111-22807

BCGS: 93M.032 & 93M.033	APPROVER: ROB BEDARD
EPASS#: 10056197	PROJECT MANAGER: SANTINO PIRILLO
REVISION	DESCRIPTION
1	Issued for Use July 28, 2015

SCALE 1:5,000

DRAFT: TH
CKD: EH

TABLE OF CROSSINGS

No	DESCRIPTION	NORTHING	EASTING	DRAWING
A	No Stream Channel Found	613478±	588899±	No Plan Req'd
B	S4 Culvert Existing	613624±	589859±	No Plan Req'd
C	CREEK 'S3', New Bridge	613755±	591023±	4776-02-ML-06-PLN-84700-84704.pdf
D	CREEK 'S3', New Bridge	613790±	591068±	4776-02-ML-06-PLN-84800-84804.pdf
E	S3 Culvert Existing	613794±	591238±	No Plan Req'd
F	S3 Culvert Existing	613766±	591389±	No Plan Req'd
G	No Stream Channel Found	613762±	592476±	No Plan Req'd
H	No Stream Channel Found	613752±	592919±	No Plan Req'd
I	S6 Culvert Existing	613761±	593069±	No Plan Req'd
J	S6 Culvert Existing	613753±	593230±	No Plan Req'd
K	No Stream Channel Found	613810±	593992±	No Plan Req'd
L	S6 Culvert Existing	613861±	594553±	No Plan Req'd

SW 1/4 DL 2517 (Crown Land)

RESERVE/NOTATION 0261954

MOF OPENING -403040000 CARLE

MOF OPENING -403080000 (Free Growing)

MOF OPENING -403140000 DOUBLE HOOKS LOGGING (77) LTD.

MOF OPENING -402970000 (Free Growing)

MOF OPENING -403070000 (WEST)

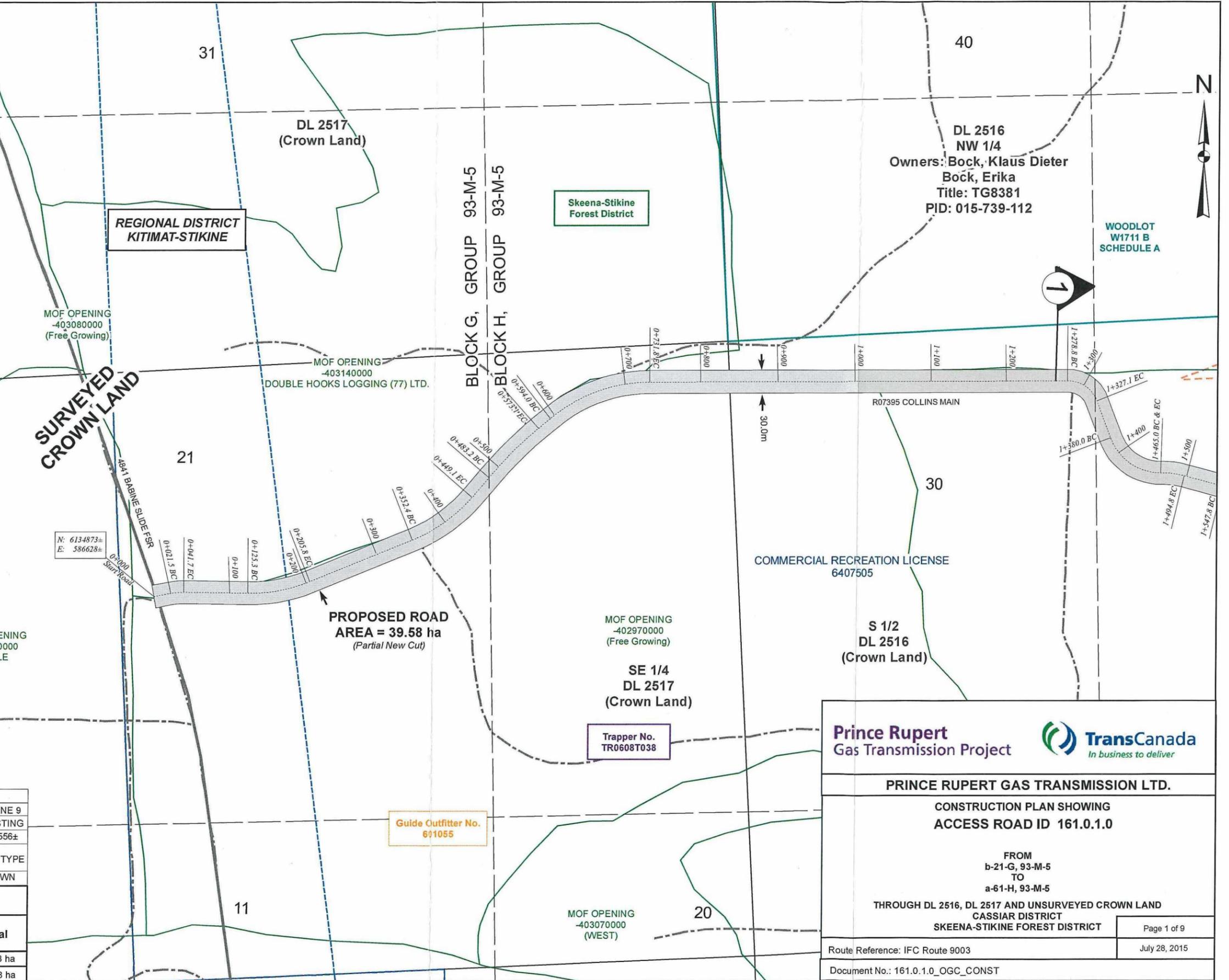
ROAD SEGMENT (MCSL Road ID 161.0.1.0)

SEGMENT	FROM	NAD83 UTM ZONE 9		TO	NAD83 UTM ZONE 9	
		NORTHING	EASTING		NORTHING	EASTING
1	b-21-G/93-M-5	6134873±	586628±	a-61-H/93-M-5	6138621±	594556±

LENGTH	WIDTH		AREA (ROAD)		LAND TYPE
	MIN	MAX	NEW CUT	TOTAL	
13.16 km	30m	83m	26.42 ha	39.58 ha	CROWN

TABLE OF TOTAL AREAS REQUIRED (CROWN LAND)

Proposed Features:	New Cut	Existing Clearing	Total
PROPOSED ROAD	26.42 ha	13.16 ha	39.58 ha
TOTAL CROWN LAND DISTURBANCE	26.42 ha	13.16 ha	39.58 ha



Prince Rupert Gas Transmission Project 

PRINCE RUPERT GAS TRANSMISSION LTD.

CONSTRUCTION PLAN SHOWING ACCESS ROAD ID 161.0.1.0

FROM b-21-G, 93-M-5 TO a-61-H, 93-M-5 THROUGH DL 2516, DL 2517 AND UNSURVEYED CROWN LAND CASSIAR DISTRICT SKEENA-STIKINE FOREST DISTRICT

Page 1 of 9

Route Reference: IFC Route 9003 July 28, 2015

Document No.: 161.0.1.0_OGC_CONST

9642062

LEGEND:

	DL Boundary
	River / Creek
	Wetland
	Riparian Management Zone (RMZ)
	Riparian Reserve Zone (RRZ)
	Mining Interest
	Old Growth Management Area (OGMA)
	Ungulate Winter Range
	Wildlife Tree Retention
	Woodlot
	P.R.G.T. Pipeline Centrelines
	P.R.G.T. Pipeline Right Of Way
	Opening
	Non-Tenure Road
	Road Centrelines
	Visual Sensitivity
	Crown Tenure
	River / Creek

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 Fort St. John, BC, V1J 6M2
 Tel: 250-787-0356
 Job: 3111-22807

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EPASS#: 10056197	PROJECT MANAGER: SANTINO PIRILLO
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H	No Stream Channel Found	6137522±	592919±	No Plan Req'd
I	S6 Culvert Existing	6137618±	593069±	No Plan Req'd
J	S6 Culvert Existing	6137533±	593230±	No Plan Req'd
K	No Stream Channel Found	6138108±	593992±	No Plan Req'd
L	S6 Culvert Existing	6138616±	594553±	No Plan Req'd

COMMERCIAL RECREATION LICENSE 6407505

S 1/2 DL 2516 (Crown Land)

SE 1/4 DL 2517 (Crown Land)

Trapper No. TR0608T038

MOF OPENING -402970000 (Free Growing)

MOF OPENING -403060000 KISPIOX FOREST PRODUCTS LTD.

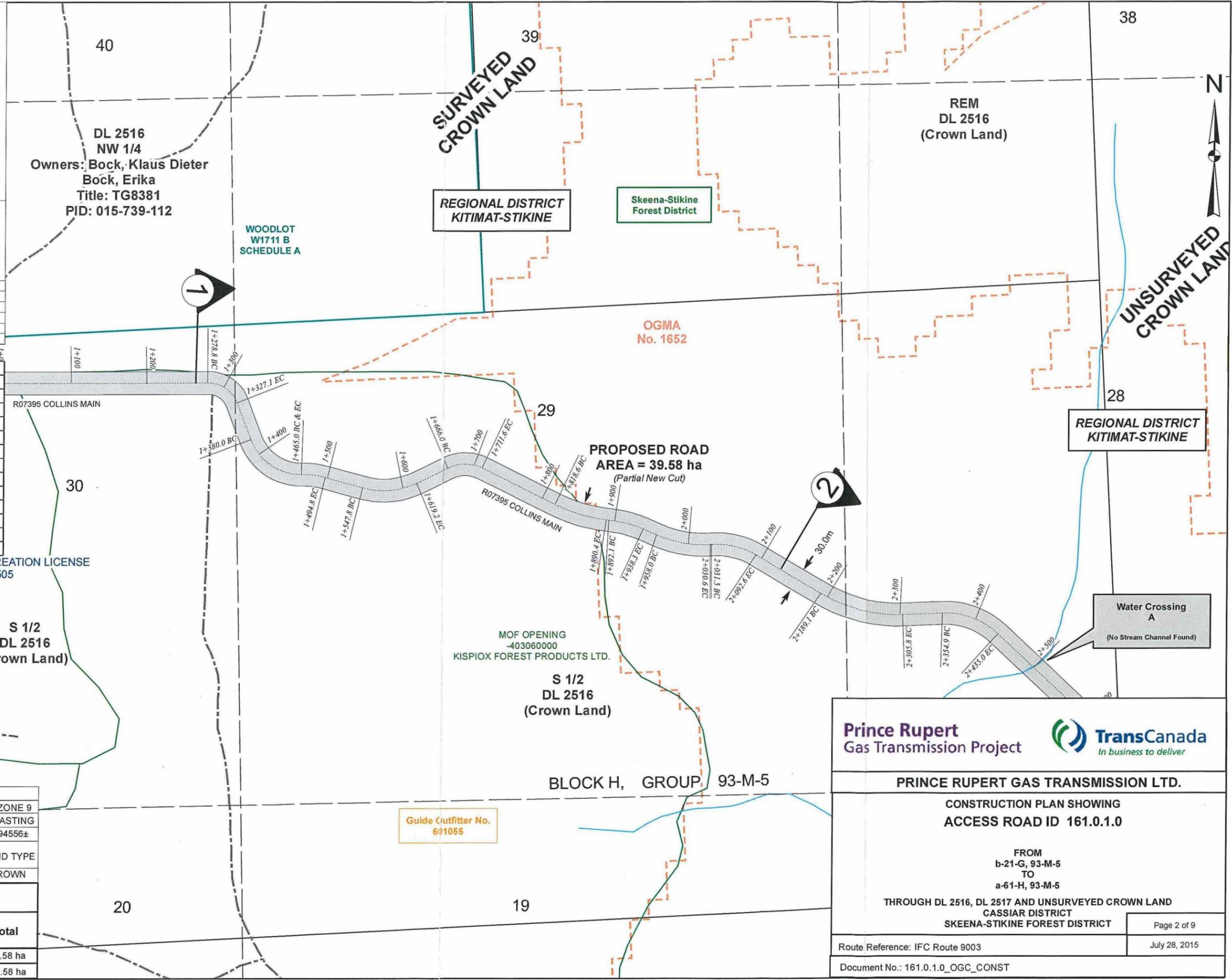
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Route Reference: IFC Route 9003 July 28, 2015

Document No.: 161.0.1.0_OGC_CONST

9642062

LEGEND:

--- P.R.G.T. Pipeline Centreline	DL Boundary
--- P.R.G.T. Pipeline Right Of Way	River / Creek
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MOF OPENING -403060000
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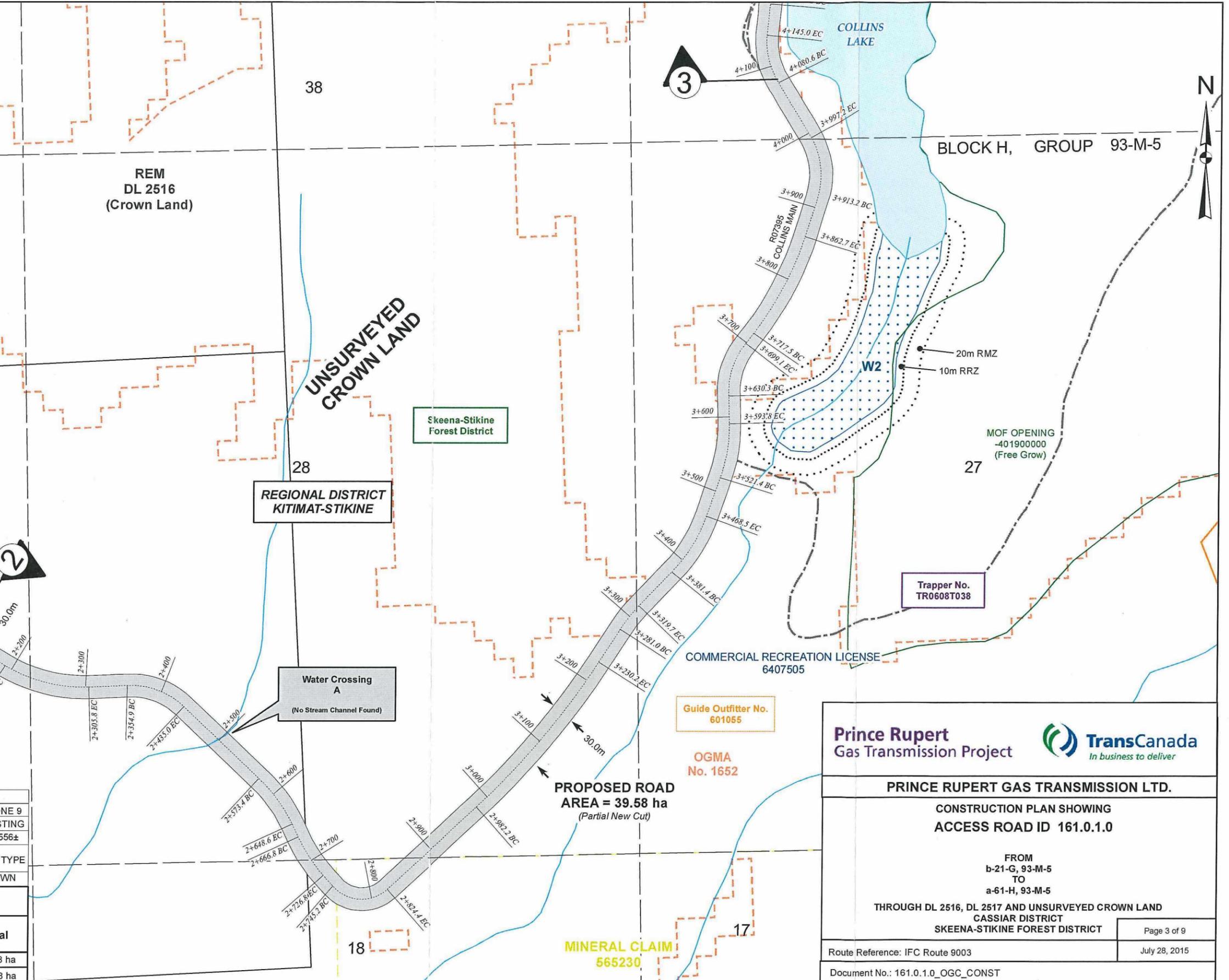
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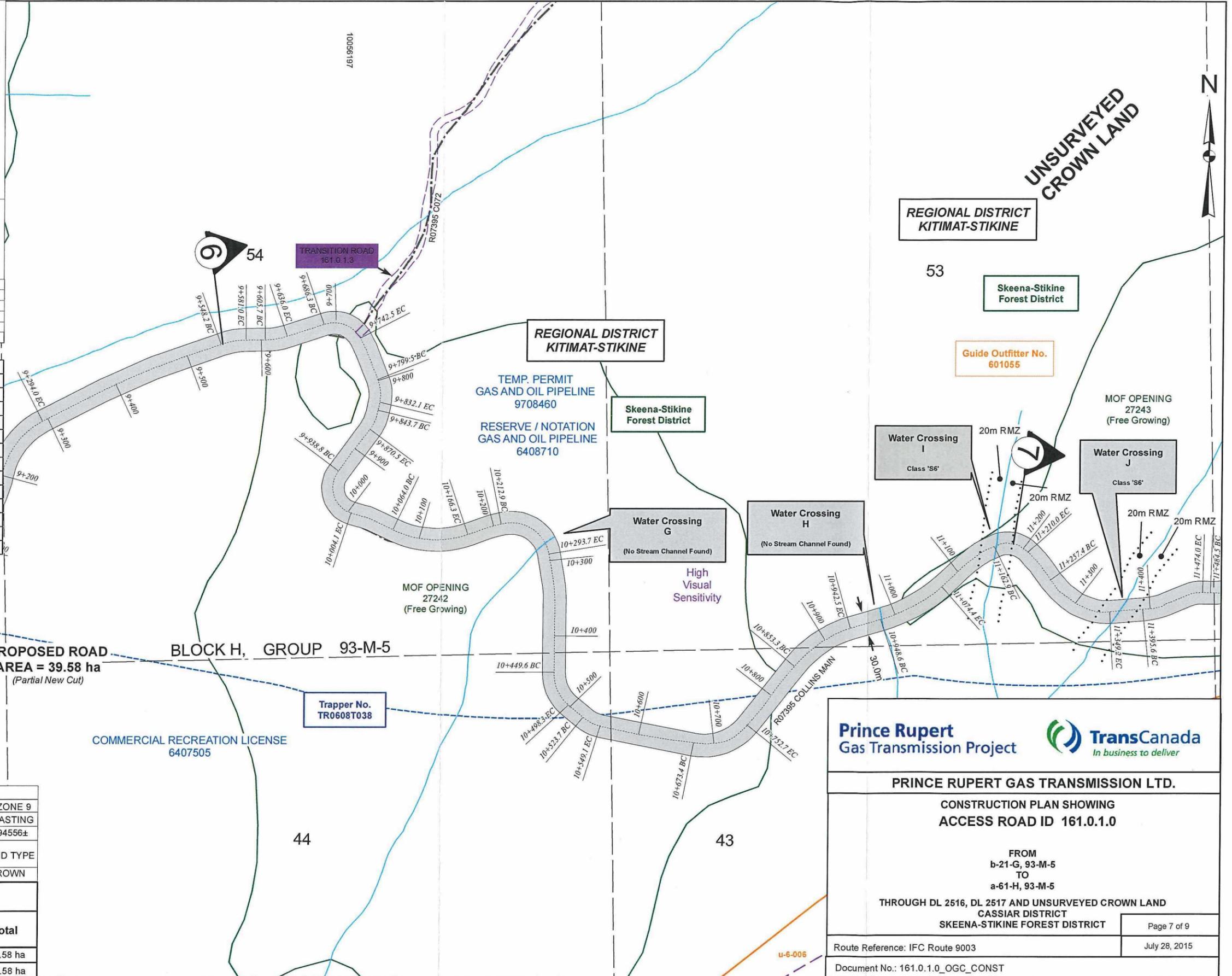


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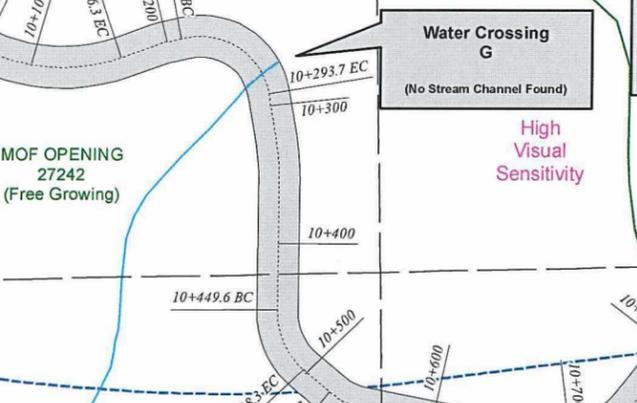
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A	No Stream Channel Found	613478±	588899±	No Plan Req'd
B	S4 Culvert Existing	613624±	589859±	No Plan Req'd
C	CREEK 'S3', New Bridge	6137556±	591023±	4776-02-ML-06-PLN-84700-84704.pdf
D	CREEK 'S3', New Bridge	6137905±	591068±	4776-02-ML-06-PLN-84800-84804.pdf
E	S3 Culvert Existing	6137948±	591238±	No Plan Req'd
F	S3 Culvert Existing	6137666±	591389±	No Plan Req'd
G	No Stream Channel Found	6137622±	592476±	No Plan Req'd
H	No Stream Channel Found	6137522±	592919±	No Plan Req'd
I	S6 Culvert Existing	6137618±	593069±	No Plan Req'd
J	S6 Culvert Existing	6137533±	593230±	No Plan Req'd
K	No Stream Channel Found	6138108±	593992±	No Plan Req'd
L	S6 Culvert Existing	6138616±	594553±	No Plan Req'd



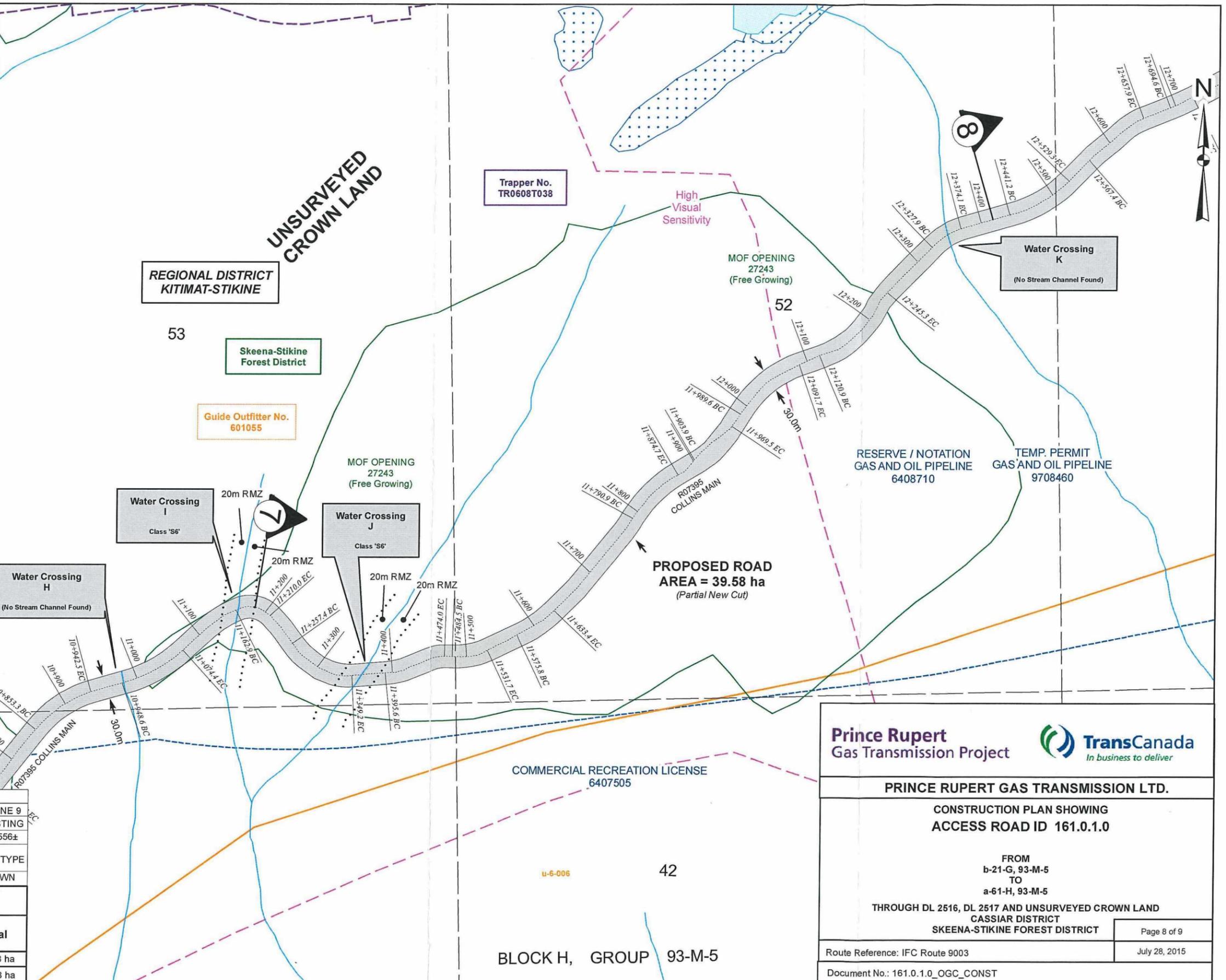
ROAD SEGMENT (MCSL Road ID 161.0.1.0)

SEGMENT	FROM	NAD83 UTM ZONE 9		TO	NAD83 UTM ZONE 9	
		NORTHING	EASTING		NORTHING	EASTING
1	b-21-G/93-M-5	6134873±	586628±	a-61-H/93-M-5	6138621±	594556±

LENGTH	WIDTH		AREA (ROAD)		LAND TYPE
	MIN	MAX	NEW CUT	TOTAL	
13.16 km	30m	83m	26.42 ha	39.58 ha	CROWN

TABLE OF TOTAL AREAS REQUIRED (CROWN LAND)

Proposed Features:	New Cut	Existing Clearing	Total
PROPOSED ROAD	26.42 ha	13.16 ha	39.58 ha
TOTAL CROWN LAND DISTURBANCE	26.42 ha	13.16 ha	39.58 ha



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

PRINCE RUPERT GAS TRANSMISSION LTD.

CONSTRUCTION PLAN SHOWING ACCESS ROAD ID 161.0.1.0

FROM b-21-G, 93-M-5 TO a-61-H, 93-M-5
 THROUGH DL 2516, DL 2517 AND UNSURVEYED CROWN LAND
 CASSIAR DISTRICT SKEENA-STIKINE FOREST DISTRICT

Page 8 of 9
 Route Reference: IFC Route 9003 July 28, 2015
 Document No.: 161.0.1.0_OGC_CONST

9642062

LEGEND:

DL Boundary	River / Creek
Wetland	Riparian Management Zone (RMZ)
Riparian Reserve Zone (RRZ)	Mining Interest
Old Growth Management Area (OGMA)	Ungulate Winter Range
Wildlife Tree Retention	Woodlot
P.R.G.T. Pipeline Centreline	
P.R.G.T. Pipeline Right Of Way	
Opening	
Non-Tenure Road	
Road Centreline	
Visual Sensitivity	
Crown Tenure	
River / Creek	

Notes :

- The proposed project is not within the Agricultural Land Reserve (ALR).
- UTM coordinates shown are NAD83 Zone 9 N.
- The proposed project is within the South West OGC Zone.
- Distances shown are in meters and decimals thereof.

McElhanney
 8808 72nd Street
 Fort St. John, BC, V1J 6M2
 Tel: 250-787-0356
 Job: 3111-22807

BCGS: 93M.032 & 93M.033	APPROVER: ROB BEDARD
EPASS#: 10056197	PROJECT MANAGER: SANTINO PIRILLO
REVISION	DESCRIPTION
1	Issued for Use July 28, 2015
SCALE 1:5,000	DRAFT: TH CKD: EH

TABLE OF CROSSINGS

No	DESCRIPTION	NORTHING	EASTING	DRAWING
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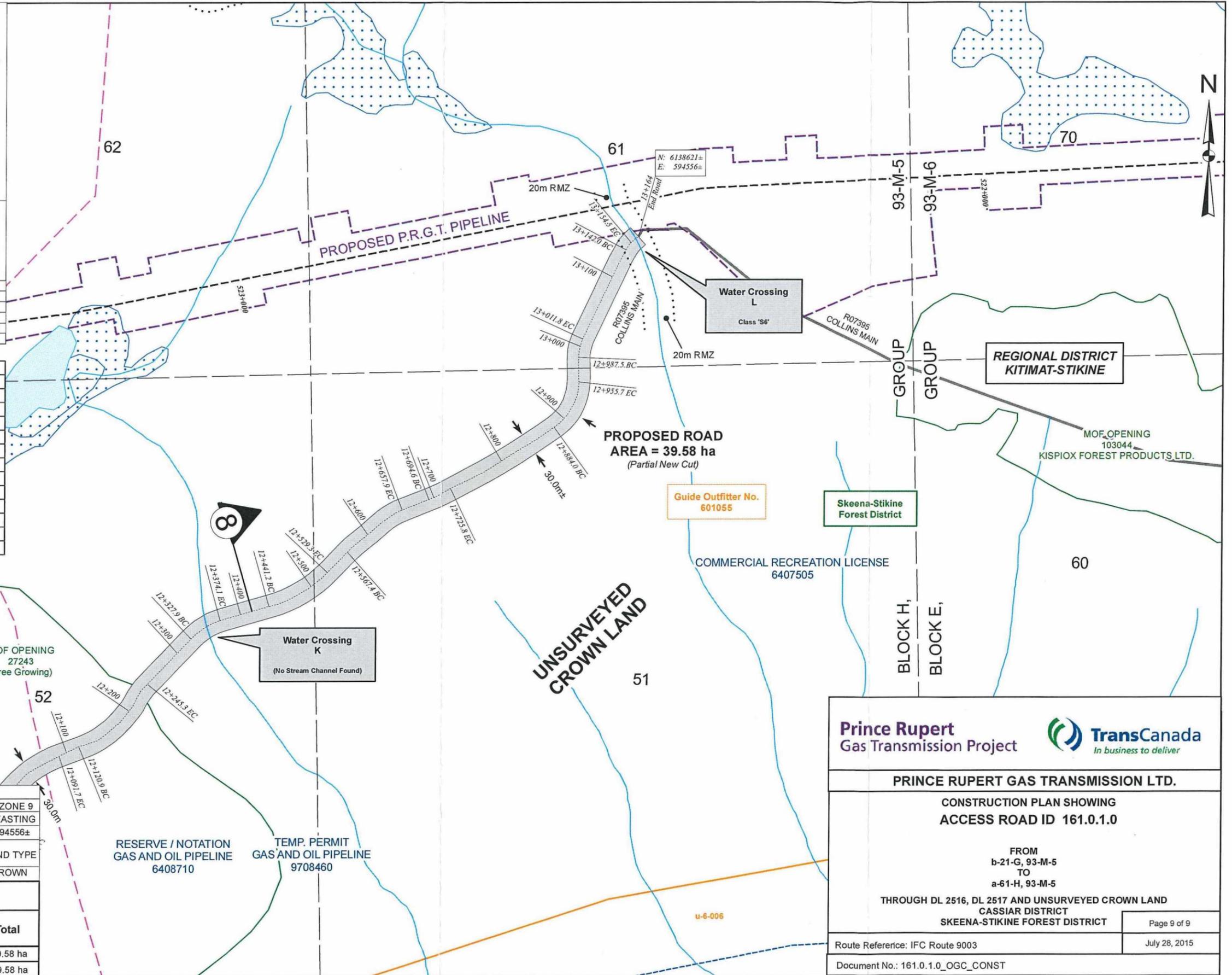


ROAD SEGMENT (MCSL Road ID 161.0.1.0)

SEGMENT	FROM	NAD83 UTM ZONE 9		TO	NAD83 UTM ZONE 9	
		NORTHING	EASTING		NORTHING	EASTING
1	b-21-G/93-M-5	6134873±	586628±	a-61-H/93-M-5	6138621±	594556±
	LENGTH	WIDTH		AREA (ROAD)		LAND TYPE
	13.16 km	MIN	MAX	NEW CUT	TOTAL	CROWN
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TABLE OF TOTAL AREAS REQUIRED (CROWN LAND)

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Prince Rupert Gas Transmission Project 

PRINCE RUPERT GAS TRANSMISSION LTD.

CONSTRUCTION PLAN SHOWING ACCESS ROAD ID 161.0.1.0

FROM b-21-G, 93-M-5 TO a-61-H, 93-M-5

THROUGH DL 2516, DL 2517 AND UNSURVEYED CROWN LAND CASSIAR DISTRICT SKEENA-STIKINE FOREST DISTRICT

Page 9 of 9

Route Reference: IFC Route 9003 July 28, 2015

Document No.: 161.0.1.0_OGC_CONST

9642062



December 9, 2015

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

Attention: Prince Rupert Gas Transmission Ltd.

RE: Road Permit

Date of Issuance: December 9, 2015

Transition of Non-Status Roads to OGAA Road Permit under the implementation of OGRR.

Commission No.: 9642062

Road Permit No.: 03233

Road Name: PRGT Collin Mainline 3233

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. The authorization granted under this permit is limited to the area described in sketch plan; Job: 3111-22807, Document No.: 161.0.1.0_OGC_20k_1, Sheet 1-2 of 2, Revision 0, dated February 13, 2015 completed by McElhanney Geomatics Professional Land Surveying Ltd. submitted to the Commission in the transition application dated March 5, 2015.
 - b. Permission to construct is limited to required modifications within the operating area except as otherwise restricted by this permit.
 - c. Pursuant to Section 138(1) of the *Petroleum and Natural Gas Act*, the permit holder is permitted to enter, occupy and use any unoccupied Crown land located within the operating area to carry out the oil and gas activities authorized under this permit.
 - d. The permission 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 permission to occupy and use Crown land does not entitle the permit holder to exclusive possession of the area.
4. The rights granted by this permission 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. 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.
9. 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. water applied to construct an ice bridge on a water body must be sourced in accordance with the *Water Act* unless
 - i. the water body is a stream with a stream channel width of at least 5 metres and is not designated as a sensitive stream under the *Fish Protection Act*, or has a riparian class of W1, W3, or L1,
 - ii. the water is sourced from the same water body proximal to the location on which the ice bridge is constructed,
 - iii. the water body is not within the boundaries of a public park,
 - iv. pump intakes do not disturb beds of streams or wetlands and are screened with a maximum mesh size and approach velocity in accordance with the Fisheries and Oceans Canada Freshwater Intake End-of-Pipe Fish Screen Guideline, and
 - (a) where the water body is a stream, the flow of water in the stream at the time and location of pumping exceeds 60 litres per second and the instantaneous pumping rate does not exceed 1% of the water flowing in the water body at the time and location the pumping occurs, or
 - (b) where the water body is a lake or pond, the cumulative volume of water withdrawn does not exceed 10 cm of lake or pond depth, calculated as the product of lake or pond surface area x 10 cm;
 - e. records of water withdrawal and corresponding streamflow measurements are maintained by the permit holder and provided to the Commission upon request;
 - f. in-stream activities within a fish bearing stream, lake or wetland must occur:
 - i. during the applicable reduced risk work windows as specified in the Skeena Region Reduced Risk In-stream Work Windows and Measures, May 2005,
 - 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;
 - g. bridge or culvert abutments, footings and scour protection must be located outside the natural stream channel and must not constrict the channel width;
 - h. 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.

10. The permit holder must notify Wilps Gutgwinuxs (Lax Xsin Djihl) a minimum of five (5) days prior to commencing any construction activities under this permit.

ADVISORY GUIDANCE

1. The permit holder must construct, maintain and deactivate the road in accordance with the Oil and Gas Road Regulation.
2. The permit holder must not close or restrict the use of the road except as provided for in the Oil and Gas Road Regulation.

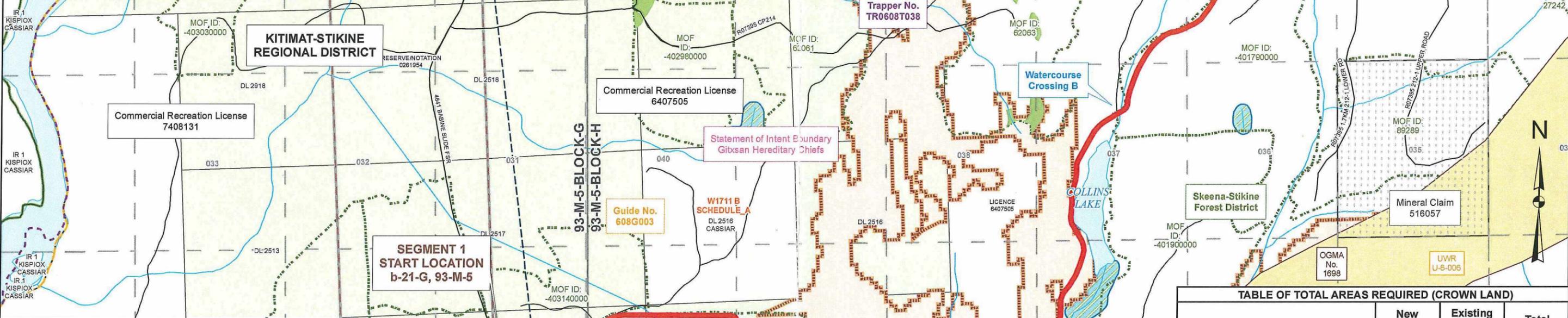


Johannes Bendle
Authorized Signatory
Commission Delegated Decision Maker

pc: Roy Northern Land Service Ltd.
Commission File: 9642062
OGC First Nations: LXDJ

ROAD SEGMENT 1 (MCSL Road ID 161.0.1.0)						
SEGMENT	FROM	NAD83 UTM ZONE 9		TO	NAD83 UTM ZONE 9	
		NORTHING	EASTING		NORTHING	EASTING
1	b-21-G/93-M-5	6134873±	586628±	a-61-H/93-M-5	6138617±	594557±
LENGTH	WIDTH		AREA (ROAD)		TOTAL	LAND TYPE
	MIN	MAX	NEW CUT			
13.17 km	10m	10m	0.00 ha		13.17 ha	CROWN

TABLE OF CROSSINGS			
No	DESCRIPTION	NORTHING/EASTING	DRAWING
A	Existing Crossing or No Stream Channel	N 6134781± E 588899±	No Plan Req'd
B	Existing Crossing or No Stream Channel	N 6136241± E 589859±	No Plan Req'd
C	Replace Existing Log Box Culvert - MCSL Crossing ID 847	N 6137537± E 591022±	4776-02-ML-06 -PLN-84700 to 84704
D	Replace Existing Log Box Culvert - MCSL Crossing ID 848	N 6137905± E 591068±	4776-02-ML-06 -PLN-84800 to 84804
E	Existing Crossing or No Stream Channel	N 6137944± E 591250±	No Plan Req'd
F	Existing Crossing or No Stream Channel	N 6137666± E 591389±	No Plan Req'd



Legend

- Transition Road
- PRGT Proposed Route
- Environmental Assessment Area
- Road
- Road Permit
- Trapper Boundary
- Guide Boundary
- Licence
- Reserve/Notation
- Mining Interest
- Wetlands
- Agricultural Land Reserve
- Ungulate Winter Range
- MOF Opening
- Wildlife Tree Retention
- Old Growth Management Area (OGMA)
- Lakes
- River / Creek
- Titled - Private Land
- Titled - Crown Land

Notes

- The proposed project is not within the Agricultural Land Reserve (ALR).
- UTM coordinates shown are NAD83 Zone 9 N.
- The proposed project is within the South West OGC Zone.
- Distances shown are in meters and decimals thereof.

BCGS: 93M.032 & 93M.033

REVISION	DESCRIPTION
0	Issued for Use February 13, 2015

McElhanney
 8808 72nd Street
 Fort St. John, BC, V1J 6M2
 Tel: 250-787-0356

Job: 3111-22807
 ePASS #: 10051260

SCALE 1:20,000

Paper size to scale: 11 x 17

Caribou Range: None
 Coal License: None
 Community Forest: None
 Guide / Outfitter: HOOPER, Jack
 Mineral Claim: 565230
 Range Tenure: None
 Trappers: TR0608T038
 Tree Farm License: None
 Ungulate Winter Range: None
 Wildlife Habitat Area: None
 Wildlife Tree Retention Area: None
 Wood Lot: None

TABLE OF TOTAL AREAS REQUIRED (CROWN LAND)			
Proposed Features:	New Cut	Existing Clearing	Total
PROPOSED ROAD MAINTENANCE	0.00 ha	13.17 ha	13.17 ha
TOTAL CROWN LAND DISTURBANCE	0.00 ha	13.17 ha	13.17 ha

Prince Rupert Gas Transmission Project 

PRINCE RUPERT GAS TRANSMISSION LTD

SKETCH MAP SHOWING
 PROPOSED TRANSITION ROADS
 TRANSITION ROAD 161.0.1.0

Segment 1 FROM b-21-G, 93-M-5 TO a-61-H, 93-M-5

THROUGH UNSURVEYED CROWN LAND
 KITIMAT-STIKINE
 SKEENA-STIKINE FOREST DISTRICT

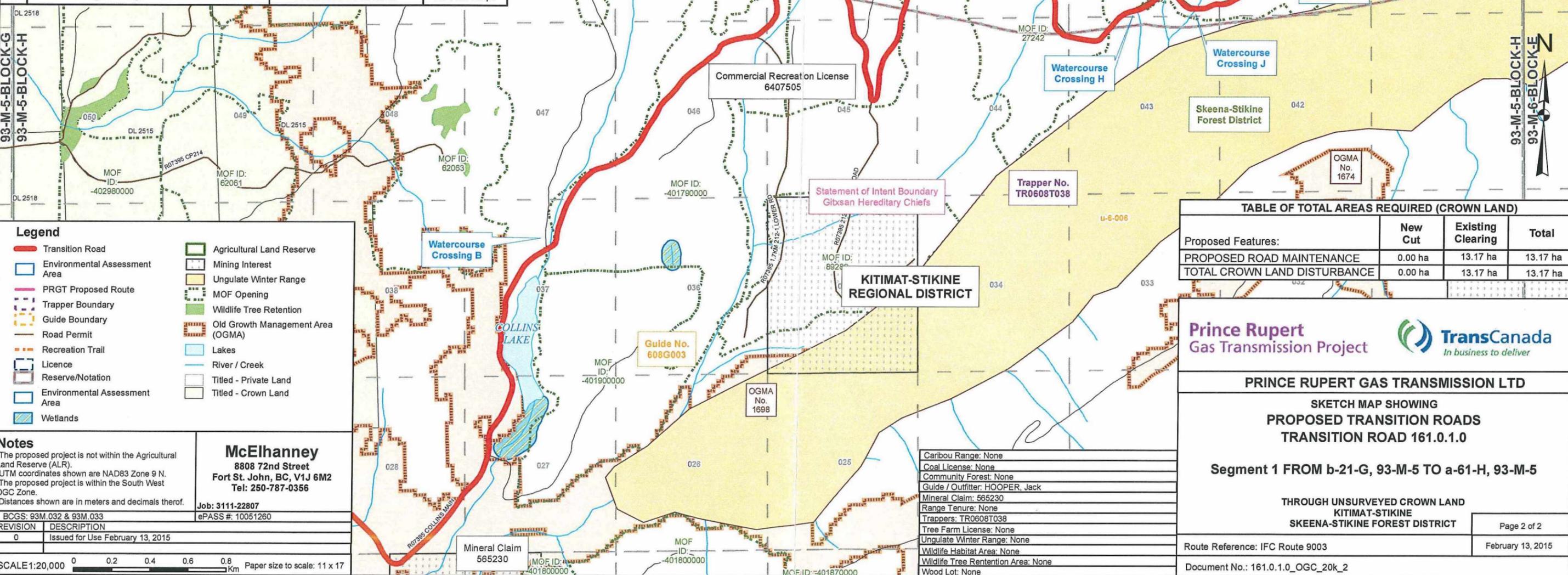
Route Reference: IFC Route 9003
 Document No.: 161.0.1.0_OGC_20k_1

Page 1 of 2
 February 13, 2015

9642062

ROAD SEGMENT 1 (MCSL Road ID 161.0.1.0)						
SEGMENT	FROM	NAD83 UTM ZONE 9		TO	NAD83 UTM ZONE 9	
		NORTHING	EASTING		NORTHING	EASTING
1	b-21-G/93-M-5	6134873±	586628±	a-61-H/93-M-5	6138617±	594557±
LENGTH	WIDTH		NEW CUT	TOTAL	LAND TYPE	
	MIN	MAX				
13.17 km	10m	10m	0.00 ha	13.17 ha	CROWN	

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G	Existing Crossing or No Stream Channel	N 6137622± E 592476±	No Plan Req'd
H	Existing Crossing or No Stream Channel	N 6137522± E 592919±	No Plan Req'd
I	Existing Crossing or No Stream Channel	N 6137620± E 593069±	No Plan Req'd
J	Existing Crossing or No Stream Channel	N 6137532± E 593229±	No Plan Req'd
K	Existing Crossing or No Stream Channel	N 6138108± E 593992±	No Plan Req'd
L	Existing Crossing or No Stream Channel	N 6138616± E 594554±	No Plan Req'd



Legend	
	Transition Road
	Environmental Assessment Area
	PRGT Proposed Route
	Trapper Boundary
	Guide Boundary
	Road Permit
	Recreation Trail
	Licence
	Reserve/Notation
	Environmental Assessment Area
	Wetlands
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REVISION	DESCRIPTION
0	Issued for Use February 13, 2015

BCGS: 93M.032 & 93M.033

SCALE 1:20,000

Paper size to scale: 11 x 17

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Prince Rupert Gas Transmission Project

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PRINCE RUPERT GAS TRANSMISSION LTD

SKETCH MAP SHOWING
PROPOSED TRANSITION ROADS
TRANSITION ROAD 161.0.1.0

Segment 1 FROM b-21-G, 93-M-5 TO a-61-H, 93-M-5

THROUGH UNSURVEYED CROWN LAND
KITIMAT-STIKINE
SKEENA-STIKINE FOREST DISTRICT

Page 2 of 2

Route Reference: IFC Route 9003
February 13, 2015

Document No.: 161.0.1.0_OGC_20k_2

Caribou Range: None
Coal Licence: None
Community Forest: None
Guide / Outfitter: HOOPER, Jack
Mineral Claim: 565230
Range Tenure: None
Trappers: TR0608T038
Tree Farm License: None
Ungulate Winter Range: None
Wildlife Habitat Area: None
Wildlife Tree Retention Area: None
Wood Lot: None