



OGC File: 9637425

March 6, 2013

Coastal GasLink Pipeline Ltd.
450 – 1st Street SW
Calgary, Alberta T2P 5H1

Attention: Surface Land Administrator

Re: Investigative Permit- Section 14 over Crown Land, Peace River District
within unit 90 and 100, block B, and unit 90, block G, 93-P-5.

Date of Issuance: March 6, 2013
Commission File No: 9637425
Applicant File No: 120496

PERMISSIONS

The Oil and Gas Commission ("Commission") hereby authorizes the holder of permit number 9637425, under section 14 of the *Land Act*, to allow Coastal GasLink Pipeline Ltd. (the "permit holder") to occupy Crown land within the areas described as "Investigative Area" and "20.0m Access Buffer" in the attached sketch plan Document No: CGE4703-MSI-G-MP-001-BurntR-BH-Sketch, Revision 1, dated November 27, 2012 as submitted to the Commission in the permit application dated November 30, 2012 (hereinafter referenced together as the "Site"), to conduct appraisals, inspections, analyses, inventories, surveys or other investigations under Authorization Number 939782, subject to conditions set out below.

CONDITIONS

1. The permit holder may use and occupy the Site only for the purposes of investigating the site for potential oil and gas activities and related activities as defined in the *Oil and Gas Activities Act*.
2. The total disturbance within the Site must not exceed 0.490Ha.
3. The permit holder will indemnify the Province of British Columbia (the Province) and the Oil and Gas Commission against all losses, damages, costs and liabilities arising out of any breach or non-performance of any condition or agreement set out in this Permit and any personal injury, death or property damage occurring within the Site, or happening by virtue of its occupation of the Site, and the amount of such losses, damages and costs shall be payable to the Province or the Oil and Gas Commission immediately.
4. The permit holder will immediately effect, and keep in force while this Permit is in effect, 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 or public liability claims arising from any accident or occurrence on the Site.

5. The permit holder will restore the site to the satisfaction of the Oil and Gas Commission following expiration or cancellation of this Permit.
6. The authorization to occupy and use Crown land does not entitle the permit holder to exclusive possession of the Site. The permit holder will not interfere with any person found on the Site who has a public right of access over the Site or is using the Site pursuant to a prior or subsequent *Land Act* disposition.
7. The rights granted by this permit are subject to all subsisting grants to or rights of any person made or acquired under the *Coal Act*, *Forest Act*, *Mineral Tenure Act*, *Petroleum and Natural Gas Act*, *Range Act*, *Water Act* or *Wildlife Act*, or any extension or renewal of the same, any prior dispositions made under the *Land Act*, and the exceptions and reservations of rights and interests under Section 50 of the *Land Act*.
8. The permit holder will acknowledge and agree that any interference with rights granted under this permit by virtue of the exercise or operation of the rights or interests set out in the Sections (6) or (7) above shall not constitute a breach of the Province's or the Commission's obligations under this permit and the permit holder will release and discharge the Province and/or the Commission from any claim for loss or damage arising directly or indirectly out of any such interference. The permit holder will also agree to pay all costs and expenses that arise out of the permit holder's interference with the rights or interests set out in Sections (6) or (7) and that the permit holder will not commence or maintain proceedings under Section 65 of the *Land Act* with respect to interference with the permit holder's rights arising out of exercise or operation of the rights set out in Sections (6) or (7).
9. The permit holder must pay to the Province, when due, the Fees to the address and in accordance with the instructions set out in the attached covering letter.
10. The permit holder must not assign or sub-tenure this Permit. The permit holder must not transfer this permit without the Commission's written consent, which consent may be granted or withheld at the Commission's sole discretion.
11. This permit expires two years from the date of issuance.
12. The permit holder must notify the Commission prior to commencing activities under this permit. Notification may be sent to C&E@bcogc.ca.
13. An Archaeological Impact Assessment ("AIA") must be conducted for the proposed development area.
14. If an archaeological site is recorded as a result of the AIA referenced in condition 13, above: an AIA report must be submitted immediately to the Oil and Gas Commission and all mitigation measures must be approved by the Commission's archaeology staff prior to conducting activities under this Permit; and all activities conducted under this Permit must be completed in accordance with the approved mitigation measures.
15. If no archaeological site is recorded during the AIA referenced in condition 14, above, an AIA report must be submitted to the Commission as soon as possible as per the Archaeology Process Guidelines.
16. In the event that:
 - a. a heritage site, heritage object or any other feature, place or material that may contain historical or archaeological value as defined by the Heritage Conservation Act [RSBC 1996] Chapter 187; or

b. any other cultural heritage material or feature

is encountered while conducting activities under this Permit, the permit holder must cease immediately disturbance activities and immediately notify the Commission.

17. Within 60 days of the completion of the clearing phase of the activity authorized, the permit holder must submit to the Commission a Post-construction plan as an ePASS shape file accurately identifying the locations of the overall disturbance within the Site.
18. The permit holder must abide by and comply with all applicable laws, bylaws, orders, directions, ordinances, and regulations of any government authority having jurisdiction in any way affecting its use or occupation of the Site, including, without limitation, the provisions of the *Land Act* and the provisions of this Permit.

CUTTING PERMIT AUTHORIZATION

Pursuant to section 47.4 of the *Forest Act*, the Commission hereby issues Cutting Permit No. 3, under Master License to Cut number M02340, Peace River Forest District, to cut and remove timber from the areas of Crown land within the area within the Site subject to the following conditions:

1. This Cutting Permit expires 2 years from the date of issuance of the Investigative Permit or the revised date should this permit be extended.
2. This Cutting Permit is subject to the terms and conditions in the Master Licence to Cut.
3. All harvested Crown timber must be marked with Timber Mark Number MSZ 575.
4. The felling, bucking and utilization specifications in the Master License to Cut apply to this Cutting Permit.
5. Stumpage under this cutting permit is required to be paid to the Crown and will be determined using the area reserve stumpage rate and will be calculated based on the new Crown land area disturbed within the Site. The amount will be determined upon submission of the final as-cleared plans to the Commission and in accordance with the Ministry of Forests Interior Appraisal Manual.
6. 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.
7. In accordance with the Master Licence to Cut referenced above, "Within 60 days of completing operations on a cutting permit, the Licensee shall submit to the Commission a map showing all disturbances that have occurred pursuant to that Cutting Permit, at a scale of 1:20,000 or 1:50,000."
8. The utilization of merchantable timber, as defined in the Provincial Logging and Waste Measurements Procedures Manual, is not mandatory for this permit.
9. Prior to harvesting, any clearing authorized by this Cutting Permit must be clearly defined on the ground by ribboning or blazing.
10. This permit authorizes a maximum total new cut area of 0.490Ha within the Site.

CHANGES IN AND ABOUT A STREAM AUTHORIZATION


Pursuant to section 9 of the *Water Act*, the Commission hereby authorizes the permit holder to make changes in and about a stream subject to the following conditions:

1. The approved temporary stream crossing locations on Crown land are located at UTM locations N. 6127753 E. 582048, N. 6127298 E. 582057, and N. 6131503, E. 579769.
2. This approval does not authorize any work or undertaking that results in the harmful alteration, disruption or destruction of fish habitat, as described within the *Federal Fisheries Act of Canada*
3. Stream crossing methods must be selected and constructed in accordance with the *Environmental Protection and Management Guidebook*, including Best Management Practices outlined therein
4. No in-stream works on fish bearing streams that may adversely impact fish or fish habitat are authorized.
5. Refer to the *Forest Practices Code of British Columbia Act – Forest Road Regulation* at: <http://www.for.gov.bc.ca/tasb/legsregs/ARCHIVE/FPC/FPCAREGS/forroad/froadr.htm#secti on7-1> for more information regarding temporary and permanent structures.

ADDITIONAL CONDITIONS

1. Ground disturbance, except when drilling boreholes, within the high water mark of the Burnt River is prohibited.
2. In consideration of the West Moberly First Nation, it is recommended that the permit holder notify the West Moberly First Nation Land Use Office (250-788-7289) prior to commencement of construction.
3. In consideration of the Saulteau First Nation, it is recommended that the permit holder notify the Saulteau First Nation Land Use Office (250-788-7289) prior to commencement of construction.
4. The Commission recommends the permit holder notify the McLeod Lake Indian Band prior to project commencement.

The attached plan(s) form an integral part of this authorization.



Ryan Stark
Natural Resource Officer

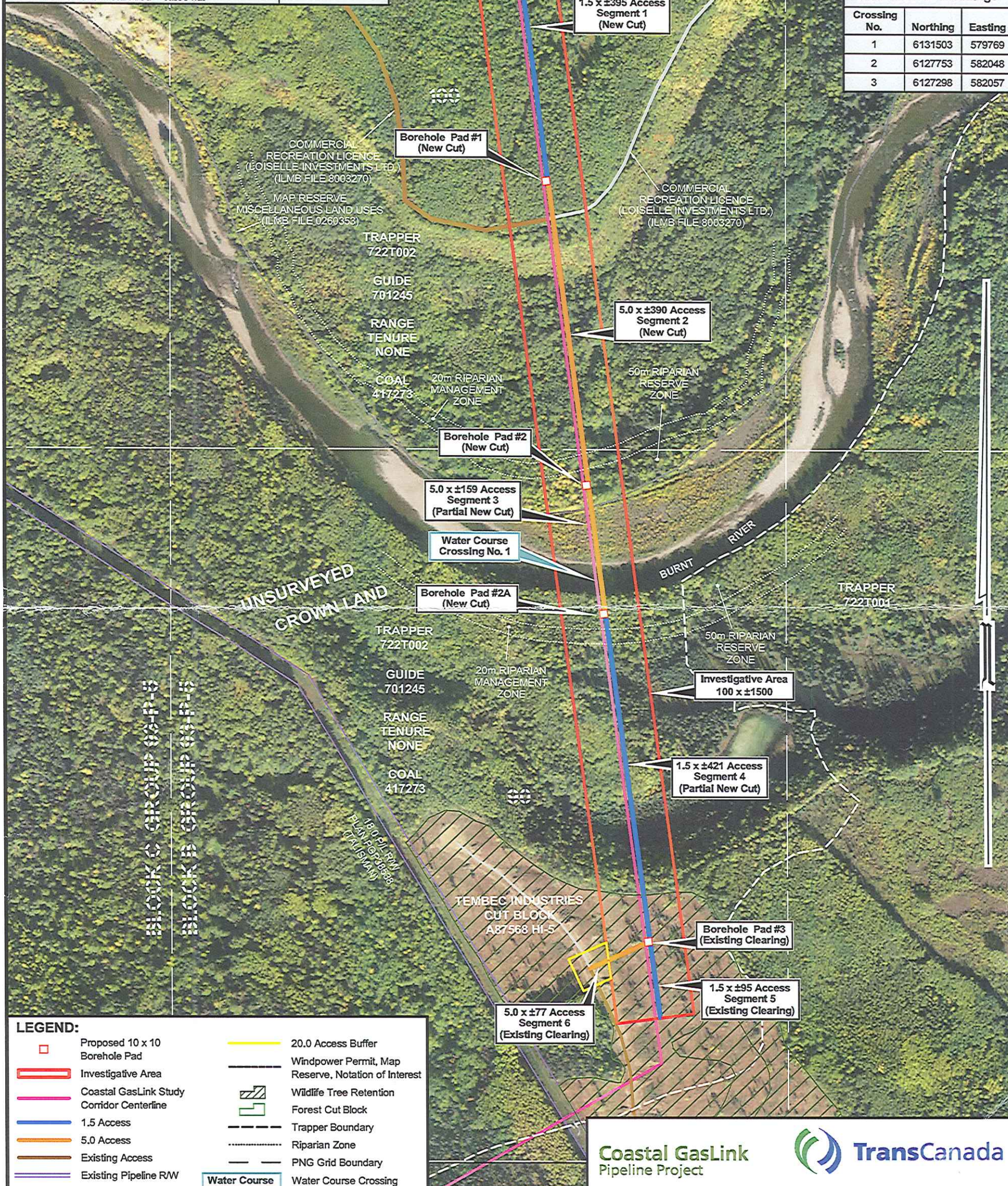
pc: FLNRO – Peace River


pc: McLeod Lake Indian Band, West Moberly First Nation, Kelly Lake Cree Nation, Kelly Lake First Nation, Kelly Lake Metis Settlement Society and Saulteau First Nation

Proposed Feature:	New Cut	Existing Clearing	Total	Northing	Easting
Borehole Pad #1	0.010 ha	0.000 ha	0.010 ha	6132021	579692
Borehole Pad #2	0.010 ha	0.000 ha	0.010 ha	6131625	579751
Borehole Pad #2A	0.010 ha	0.000 ha	0.010 ha	6131459	579775
Borehole Pad #3	0.000 ha	0.010 ha	0.010 ha	6131032	579838
1.5m Access	0.114 ha	0.023 ha	0.137 ha		
5.0m Access	0.219 ha	0.094 ha	0.313 ha		
Total Areas	0.363 ha	0.127 ha	0.490 ha		
Investigative Area Total Area = 15.00 ha.					
20.0m Access Buffer Total Area = 0.208 ha.					

ACCESS SEGMENTS				
Segment No.	Begin		End	
	Northring	Easting	Northring	Easting
1	6132418	579641	6132027	579699
2	6132017	579699	6131631	579756
3	6131621	579758	6131465	579781
4	6131455	579784	6131038	579846
5	6131028	579847	6130934	579861
6	6130996	579768	6131029	579838

Crossing No.	Northling	Easting
1	6131503	579769
2	6127753	582048
3	6127298	582057



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 meters and decimals thereof.		MIDWEST SURVEYS LAND SURVEYING LTD. 11003 Alaska Road Fort St. John, BC V1J 6P3 Tel: 250-785-3902 IB-0015-12		Caribou Range: None Coal License: 417273 Community Forest: None Guide / Outfitter: 701245 Mineral Reserve: 328778 Range Tenure: None Trapper: 722T002 Tree Farm License: TFL48 Ungulate Winter Ranges: None Wildlife Habitat Area: None Wildlife Tree Retention Area: Yes Wood Lot: None		COASTAL GASLINK PIPELINE LTD. SKETCH PLAN GEOTECHNICAL INVESTIGATION PROGRAM BURNT RIVER WITHIN UNIT 90 & 100, Block B, Group 93-P-5 PEACE RIVER DISTRICT	
EPASS # 10040563 BCGS: 93P.032 Data sets sourced on this map are defined in the CGP Data Matrix							
REVISION DESCRIPTION							
1 Updated Title Block, November 27, 2012						Route Reference: CGP_Route_RevB November 27, 2012	
SCALE 1:5,000  METERS						Document No. CGE4703-MSI-G-MP-001-BurntR-BH-Sketch Rev 1	

OGC File Number: 9637425

September 4, 2014

Coastal GasLink Pipeline Ltd.
450- 1st Street SW
Calgary, Alberta T2P 5H1

Attention: Surface Land Administrator

Re: Amendment to Investigative Permit–Section 14 over Crown Land, Peace River District within Unit 90 & 100, Block B, Group 93-P-5.

Date of Issuance: September 4, 2014

Commission File No.: 9637425

Applicant File No.: 120496 (Burnt River Microtunnel)

The Oil and Gas Commission (Commission) hereby grants an amendment to the permit dated March 6, 2013 under Section 14 of the *Land Act* under Authorization 939782, to allow Coastal GasLink Pipeline Ltd. (the "permit holder") to occupy Crown land within the area indicated on the attached sketch plan, Midwest Surveys Job#: CGE4703-MSI-G-MP-198-BurntR-MicroT-BH-Sketch, Revision: 7, dated August 13, 2014, as submitted to the Commission subject to the conditions set out below:

1. The permit is amended to increase the disturbance within the investigative area by:

- a. Borehole Pads: 0.080 ha.
- b. Temporary Trail: 0.128 ha.
- c. Helipads: 0.178 ha.

to a total of 0.876 ha.

2. The permit is amended to increase the area of new cut within the investigative area by:

- d. Borehole Pads: 0.046 ha.
- e. Temporary Trail: 0.009 ha.
- f. Helipads: 0.154 ha.

to a total of 0.699 ha.

3. An Archaeological Impact Assessment (AIA) is required for the proposed development area prior to any development activities taking place.

If an archaeological site is recorded as a result of this assessment, a report must be submitted immediately to the Archaeology Branch of the Ministry of Forests, Lands and Natural Resource Operations (Archaeology Branch) and the Commission and all mitigation measures must be approved by the Archaeology Branch prior to the start of construction.

If no archaeological site is recorded during this assessment, an AIA report is still required and must be submitted to the Archaeology Branch and the Commission as soon as possible as per the Archaeology Process Guidelines.

If artifacts, 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 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 Archaeology Branch and Commission; 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, endorsed by a qualified archaeologist, and approved by the Archaeology Branch.
4. The Permit Holder must notify the McLeod Lake Indian Band Land Use Office prior to project commencement.
 5. The Permit Holder must notify the Saulteau First Nations Land Use Office prior to project commencement.
 6. The Permit Holder must notify the West Moberly First Nations Lands Use Department prior to project commencement.

The permit holder must comply with all conditions in the original permit and subsequent amendments.

The permit holder shall comply with all applicable laws, including the *Fisheries Act (Canada)*, *Water Act*, *Environmental Management Act*, *Workers Compensation Act*, *Wildlife Act* and the *Forest Act*.

This amendment forms an integral part of your permit and should be attached hereto.



Justin Anderson
Natural Resource Officer

pc: Kelly Lake Cree Nation
pc: Kelly Lake First Nation
pc: Kelly Lake Metis Settlement Society
pc: McLeod Lake Indian Band
pc: Saulteau First Nation
pc: West Moberly First Nations
pc: Roy Northern Land Environmental

Table of Areas (Crown Lands): New Cut
Proposed New Activity Within Existing OGC File No. 9637425

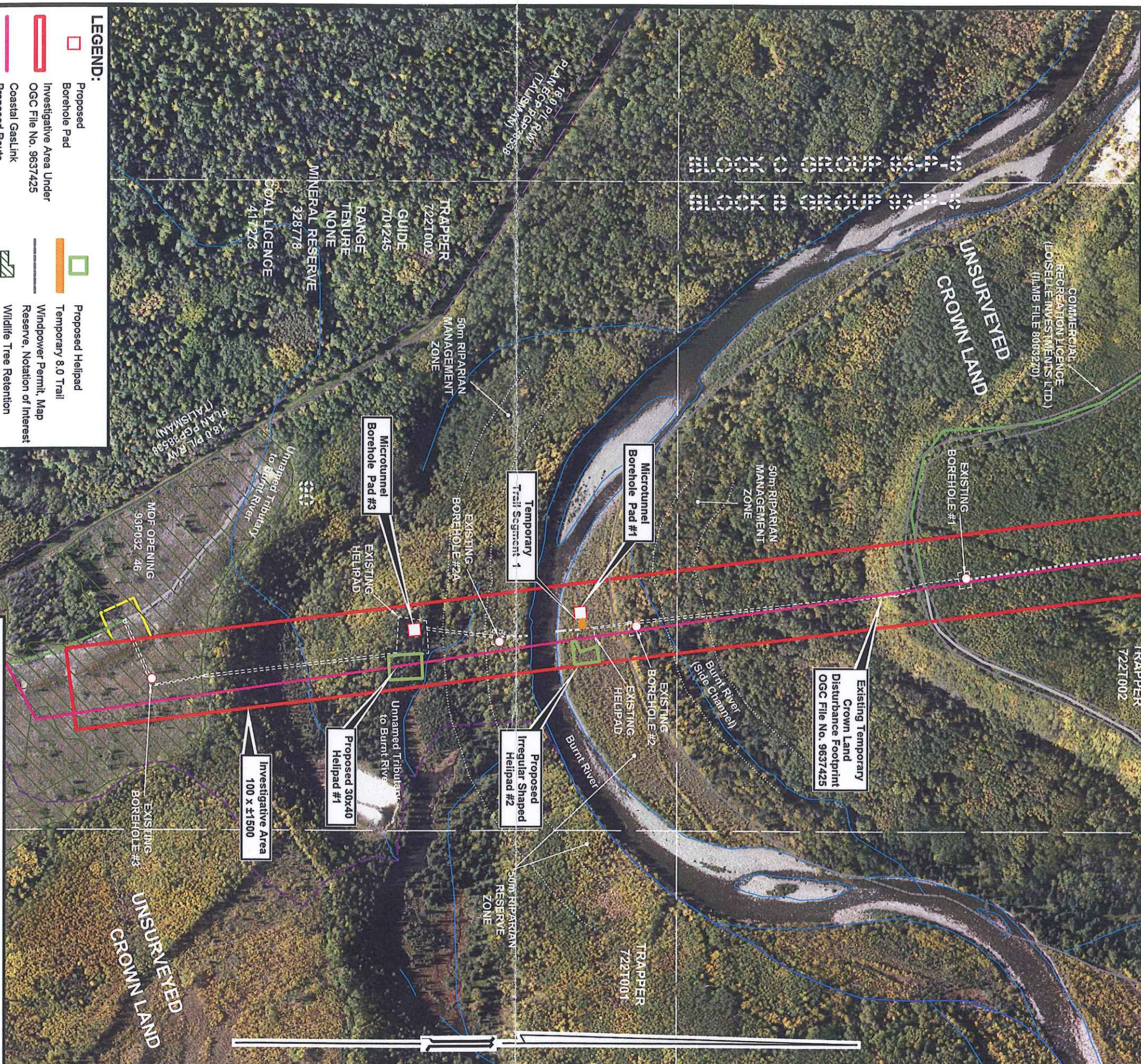
Proposed Feature:	Permitted Area	Proposed Amended Area	Total Area
Borehole Pads	0.040 ha	0.046 ha	0.086 ha
Temporary Trail	0.450 ha	0.009 ha	0.009 ha
Helpads	N/A	0.154 ha	0.604 ha
Total Areas (Footprint)	0.490 ha	0.209 ha	0.699 ha

TEMPORARY TRAIL SEGMENTS

Segment No.	Begin Northing	Begin Easting	End Northing	End Easting
1	6131557	579766	6131555	579754

Table of Areas (Crown Lands): Construction Footprint
Proposed New Activity Within Existing OGC File No. 9637425

Proposed Feature:	Permitted Area	Proposed Amended Area	Total Area
Borehole Pads	0.040 ha	0.080 ha	0.120 ha
Temporary Trail	0.450 ha	0.128 ha	0.578 ha
Helpads	N/A	0.178 ha	0.178 ha
Total Areas (Footprint)	0.490 ha	0.386 ha	0.876 ha
Investigative Area	15.00 ha	0.00 ha	15.00 ha
20.0m Access Buffer	0.208 ha	0.00 ha	0.208 ha
Total	15.21 ha	0.00 ha	15.21 ha



LEGEND:

Proposed Borehole Pad

Investigative Area Under OGC File No. 9637425

Coastal Gaslink Proposed Route

Existing Pipeline RW

PNG Grid Boundary

Trapper Boundary

Existing Access

20.0 Trail Buffer

Proposed Helpad

Temporary 8.0 Trail

Windpower Permit, Map Reserve, Notation of Interest

Wildlife Tree Retention

Existing Temporary Crown Land Disturbance Footprint OGC File No. 9637425

Riparian Zone

Hydrology (TRIM Data)

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 East OGC Zone
- Distances shown are in meters and decimals thereof.

EPASS # 10047348 (OGC FILE No.9637425)

BCGS: 93P.032

REVISION

7

Issued, August 13, 2014

SCALE 1:5,000

METERS

Caribou Range: None
Coal License: 417273
Community Forest: None
Guide / Outfitter: 701245
Mineral Reserve: 328778
Mineral Interest: None
Range Tenure: None
Trapper: 722T002
Tree Farm License: TFL48
Ungulate Winter Ranges: None
Wildlife Habitat Area: None
Wildlife Tree Retention Area: Yes
Wood Lot: None

Coastal Gaslink
Pipeline Project

TransCanada
In business to deliver

COASTAL GASLINK PIPELINE LTD.

AMENDMENT TO OGC FILE No. 9637425

SKETCH PLAN

POTENTIAL DIRECT PIPE MICROTUNNEL

GEOTECHNICAL INVESTIGATION PROGRAM

BURNT RIVER

WITHIN

UNIT 90 & 100, Block B, Group 93-P-5

PEACE RIVER DISTRICT

Route Reference: CGP_Route_RevD

Document No. CGE4703-MSI-G-MP-198-BurntR-MicroT-BH-Sketch

August 13, 2014

Rev 7