



January 28, 2016

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

Attention: Surface Land Administrator

RE: Investigative Use within Unit 2, Block E, Group 93-K-3

Date of Issuance: January 28, 2016

Commission No.: 9639060

PERMISSIONS

1. 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 areas described in the attached sketch plan, Document No: CGW4703-MCSL-G-MP-124-GeoTech Segundo Lake C/S Sketch-Rev-0, revision 0, dated September 16, 2013, by McElhanney Geomatics as submitted to the Commission in the permit application dated January 5, 2016 to construct and operate a related activity for the purposes of carrying out oil and gas activities as defined in the *Oil and Gas Activities Act* (hereinafter referenced together as the "site"), subject to the conditions set out below.
 - a. The permission to occupy and use Crown land expires 1 year from the date of issuance, unless the Commission has received notice of construction start, or this authorization is otherwise suspended, cancelled, surrendered or declared spent.
 - b. The permission to occupy and use Crown land does not entitle the permit holder to exclusive possession of the site.

CONDITIONS

1. The total disturbance within the site must not exceed:
 - a. Boreholes 0.36ha
 - b. Temporary Access 4.11ha
2. 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*, *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.
3. 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.
4. A notice of construction start must be submitted to the Commission a minimum of 48 hours prior to the commencement of activities under this permit. Notification must be sent to OGC.ExternalNotifications@bcogc.ca.
5. 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.
6. The permit holder must ensure that the area is free of garbage, debris and unused equipment.
7. Following completion of the activities permitted under this permit the permit holder must, as soon as practicable, de-compact any soils compacted by the activity.

8. If natural surface drainage pattern was altered by the carrying out of the activity, the permit holder must
 - a. restore, to the extent practicable, to the drainage pattern and its condition before the alteration; and
 - b. re-vegetate any exposed soil on the site using seed or vegetative propagules of an ecologically suitable species that
 - i. promote the restoration of the wildlife habitat that existed on the area before the oil and gas activity was begun; and
 - ii. stabilize the soil if it is highly susceptible to erosion.
9. Following completion of the activities permitted under this permit, any surface soils removed from the site must be redistributed so that the soil structure is restored, to the extent practicable, to its condition before the activity was begun.
10. 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 an ePASS shape file and PDF plan accurately identifying the location of the total area actually disturbed under this permit. The shape file and plan must be submitted to postconstructionplan@bcogc.ca.
11. An Archaeological Impact Assessment 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 FLNRO and 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 OGC as soon as possible as per the Archaeology Process Guidelines.

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 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 the Heritage Conservation Act, endorsed by a qualified archaeologist, and approved by the Archaeology Branch.
12. The permit holder is to notify the Burns Lake Indian Band prior to commencement of project.
 13. The permit holder is to notify the Stelat'en First Nation prior to commencement of project.
 14. Topsoil stripping, ditching and road bed construction are not permitted within the site.

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. 5 under Master Licence to Cut number M02343, 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 (sketch plan number: Document No: CGW4703-MCSL-G-MP-124-GeoTech Segundo Lake C/S Sketch-Rev-0, revision 0, dated September 16, 2013);
 - c. All harvested Crown timber must be marked with Timber Mark Number MTA 250;
 - 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;
- h. 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;
- i. 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;
- j. 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.

ADVISORY GUIDANCE

1. Appropriate tenure will be issued upon acceptance of the post-construction plan. Submission of the original application and submission of the post-construction plan is considered an application for all subsequent applicable *Land Act* tenures. Upon the Commission's acceptance of the post-construction plan no further applications for replacement tenure are required.

The attached plan(s) forms an integral part of this permit.



Ashley Istead
Natural Resource Officer

pc: Commission No.: 9639060
Worksafe BC
MoFLNRO: Nadina
OGC First Nations: BLIB, CSTC, STFV



OGC File: 9639060

January 29, 2014

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

Attention: Surface Land Administrator

Re: Investigative Permit- Section 14 over Crown Land, Range 5 Coast District
within unit 2, Block E, Group 93-K-3.

Date of Issuance: January 29, 2014
Commission File No: 9639060
Applicant File No: 130473(Segundo Lake Compressor)

PERMISSIONS

The Oil and Gas Commission ("Commission") hereby authorizes the holder of permit number 9639060, 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 borehole pads and temporary access in the attached sketch plan Document No: CGW4703-MCSL-G-MP-124-GeoTech Segundo Lake C/S Sketch-Rev-0, Revision 0, dated September 16, 2013 as submitted to the Commission in the permit application dated October 23, 2013 (hereinafter referenced together as the "Site"), to conduct appraisals, inspections, analyses, inventories, surveys or other investigations under Authorization Number 942240, 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:
 - a. Borehole Pads: 0.36 Ha.
 - b. Temporary Access: 4.11 Ha.
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) is required for the proposed development area prior to any development activities taking place.
14. 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 and Commission and all mitigation measures must be approved by the Archaeology Branch prior to the start of construction.
15. If no archaeological site is recorded during this assessment, an AIA report is still required and must be submitted to the Archaeology Branch of the Ministry of Forests, Lands and Natural Resource Operations and the Commission as soon as possible as per the Archaeology Process Guidelines.

16. 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 in respect of that artifact, feature, material or thing:
- immediately cease all work in the vicinity of the artifacts, features, materials or things;
 - immediately notify the Archaeology Branch of the Ministry of Forests, Lands and Natural Resource Operations and Commission; and
 - 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 the Heritage Conservation Act, endorsed by a qualified archaeologist, and approved by the Archaeology Branch.
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. 5, under Master License to Cut number M02343, Nadina Forest District, to cut and remove timber from the areas of Crown land within the area within the Site subject to the following conditions:

- This Cutting Permit expires 2 years from the date of issuance of the Investigative Permit or the revised date should this permit be extended.
- This Cutting Permit is subject to the terms and conditions in the Master Licence to Cut.
- All harvested Crown timber must be marked with Timber Mark Number MTA 250.
- The felling, bucking and utilization specifications in the Master License to Cut apply to this Cutting Permit.
- Stumpage under this cutting permit is required to be paid to the Crown and will be determined with the Ministry of Forests Interior Appraisal Manual.
- 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.
- 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."
- The utilization of merchantable timber is not mandatory for this permit.
- 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 within the Site of:

- a. Borehole Pads: 0.36 Ha.
- b. Temporary Access: 4.11 Ha.

ADDITIONAL CONDITIONS

1. The permit holder is to notify the Stelat'en First Nation prior to commencement of project.
2. The permit holder is to notify the Burns lake Indian Band prior to commencement of project.
3. Topsoil stripping, ditching and road bed construction are not permitted within the site.

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



Justin Anderson
Natural Resource Officer

pc: FLNRO – Skeena

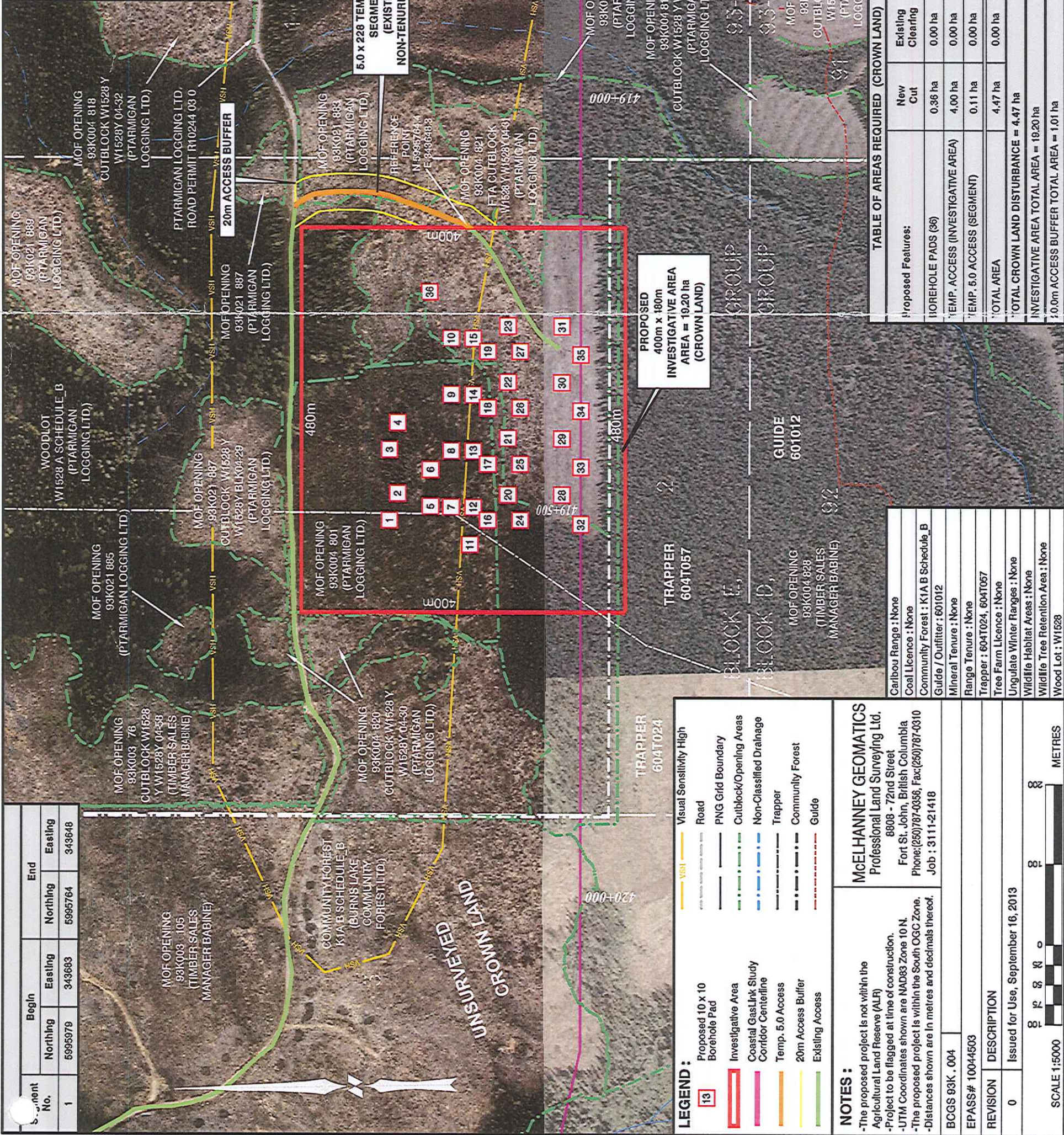
pc: Burns Lake Indian Band, Carrier Sekani Tribal Council, Stelat'en First Nation

pc: Roy Northern Land and Environmental

Sheet No.	Begin		End	
	Northing	Easting	Northing	Easting
1	5995979	343683	5995764	343648

BOREHOLE	NORTHING	EASTING	AREA
1	5995875.0	343286.9	0.01 ha
2	5995863.8	343320.1	0.01 ha
3	5995872.1	343374.9	0.01 ha
4	5995861.0	343408.0	0.01 ha
5	5995823.9	343302.7	0.01 ha
6	5995822.4	343348.4	0.01 ha
7	5995788.4	343300.9	0.01 ha
8	5995786.1	343370.9	0.01 ha
9	5995793.8	343440.8	0.01 ha
10	5995701.5	343510.7	0.01 ha
11	5995776.3	343253.2	0.01 ha
12	5995771.2	343289.6	0.01 ha
13	5995768.9	343369.5	0.01 ha
14	5995766.6	343439.5	0.01 ha
15	5995764.3	343503.4	0.01 ha
16	5995763.8	343283.0	0.01 ha
17	5995751.5	343352.9	0.01 ha
18	5995749.2	343422.8	0.01 ha
19	5995746.9	343492.8	0.01 ha
20	5995727.8	343314.0	0.01 ha
21	5995725.5	343383.9	0.01 ha
22	5995723.2	343453.9	0.01 ha
23	5995720.9	343523.8	0.01 ha
24	5995713.9	343281.6	0.01 ha
25	5995711.6	343351.6	0.01 ha
26	5995709.3	343421.5	0.01 ha
27	5995707.0	343491.4	0.01 ha
28	5995661.4	343311.2	0.01 ha
29	5995659.1	343381.1	0.01 ha
30	5995656.8	343451.0	0.01 ha
31	5995654.5	343521.0	0.01 ha
32	5995639.1	343274.0	0.01 ha
33	5995636.8	343345.1	0.01 ha
34	5995634.5	343415.1	0.01 ha
35	5995632.2	343485.0	0.01 ha
36	5995616.2	343570.0	0.01 ha
TOTAL BOREHOLE PAD AREAS =			0.36 ha

NOTE
Proposed 19.20 ha Investigative Area to contain 36 Boreholes and temporary access required for Borehole equipment.
New Cut areas required within Investigative Area:
Borehole pads = 0.36 ha
Temp. Access = 4.00 ha
Total = 4.36 ha
A Post Construction Plan will be issued to show final locations and clearing.



LEGEND:

- Visual Sensitivity High
- Proposed 10 x 10 Borehole Pad
- Investigative Area
- Coastal GasLink Study Corridor Centerline
- Temp. 5.0 Access
- 20m Access Buffer
- Existing Access
- PNG Grid Boundary
- Cutblock/Opening Areas
- Non-Classified Drainage
- Trapper
- Community Forest
- Guide

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.

BCGS 93K . 004
EPASS# 10044503

REVISION	DESCRIPTION
0	Issued for Use, September 16, 2013

SCALE 1:5000

METRES

8 0 8 8 8

TABLE OF AREAS REQUIRED (CROWN LAND)

Proposed Features:	New Cut	Existing Clearing	Total
BOREHOLE PADS (36)	0.36 ha	0.00 ha	0.36 ha
TEMP. ACCESS (INVESTIGATIVE AREA)	4.00 ha	0.00 ha	4.00 ha
TEMP. 5.0 ACCESS (SEGMENT)	0.11 ha	0.00 ha	0.11 ha
TOTAL AREA	4.47 ha	0.00 ha	4.47 ha
TOTAL CROWN LAND DISTURBANCE =	4.47 ha		
INVESTIGATIVE AREA TOTAL AREA =	19.20 ha		
10.0m ACCESS BUFFER TOTAL AREA =	1.01 ha		

Coastal GasLink Pipeline Project

TransCanada

COASTAL GASLINK PIPELINE LTD.

SKETCH PLAN

GEOTECHNICAL INVESTIGATION PROGRAM

PROPOSED SEGUNDO LAKE COMPRESSOR STATION

WITHIN

UNIT 2, BLOCK E, GROUP 93-K-3

RANGE 5 COAST DISTRICT

Route Reference: CGL_Route_REV C2
Document No. CGW4703-MCSL-G-MP-124-GeoTech Segundo Lake C/S Sketch-Rev0

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