



OGC File: 9639994

July 30, 2014

Coastal GasLink Pipeline Ltd  
450- 1<sup>st</sup> Street SW  
Calgary, Alberta T2P 5H1

Attention: Surface Land Administrator

Re: Investigative Permit- Section 14 over Crown Land, Range 5 Coast District  
within Units 6 and 7, Block F, Group 103-I-1; Units 75, 76, 85 & 86, Block A, Group 103-I-2  
and Unit 68, Block A, Group 103-I-2.

Date of Issuance: July 30, 2014  
Commission File No: 9639994  
Applicant File No: 130473 (Kalum Borrow Pits)

## PERMISSIONS

The Oil and Gas Commission ("Commission") hereby authorizes the holder of permit number 9639994, 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 test pit/ borehole pad and temporary access in the attached sketch plan Document No: McElhanney Surveys Job#: 3111-21419 Rev#: 0 Page 1, 2, and 3 of 3, dated February 6, 2014 as submitted to the Commission in the permit application dated April 7, 2014 (hereinafter referenced together as the "Site"), to conduct appraisals, inspections, analyses, inventories, surveys or other investigations under Authorization Number 944093, 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 investigative area must not exceed:
  - a. Test Pits/ Borehole Pads: 0.483 ha
  - b. Temporary Access Trail: 12.200 ha
3. The permit holder will indemnify the Province of British Columbia (the Province) and the 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 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 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](mailto:C&E@bcogc.ca).
13. 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.
14. 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.
15. 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

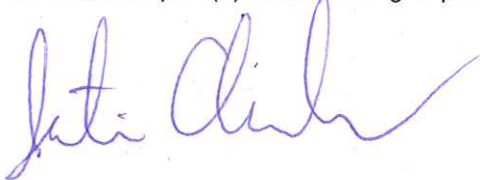
Pursuant to section 47.4 of the Forest Act, the Commission hereby issues Cutting Permit No. 4, under Master License to Cut number M02344, Kalum Forest District, to cut and remove timber from the areas of Crown land within the area within the Site subject to the following conditions:

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 MTA 640.
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 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 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 within the investigative area of:
  - a. Test Pits/ Borehole Pads: 0.483 ha
  - b. Temporary Access Trail: 12.200 ha

#### ADDITIONAL CONDITIONS

1. The permit holder must notify the Haisla Nation prior to commencement of activities.
2. The permit holder must provide any archaeological reports to Haisla Nation.
3. Topsoil stripping, ditching and road bed construction are not permitted within the temporary access trails.
4. No boreholes or test pits are permitted within Riparian Management Areas.
5. Investigative Area 884687 is not authorized under this permit.

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



Justin Anderson  
Natural Resource Officer

pc: Haisla Nation  
pc: Roy Northern Land and Environmental







**LEGEND :**

<span style="border: 1px solid red; padding: 2px;">2</span>	Proposed 15 x 15 Test Pit / Borehole Pad		Drain/Creek
	Investigative Area		Road
	Coastal GasLink Proposed Route		Rec Trail
	Existing Access		Reserve/Notation
	PNG Grid Boundary		Trapper
	Regional Park Boundary		Water Power Licence
			High Visual Sensitivity
			Moderate Visual Sensitivity

**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 9 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 : 3111-21419

BCGS 1031.008

EPASS# 10045690

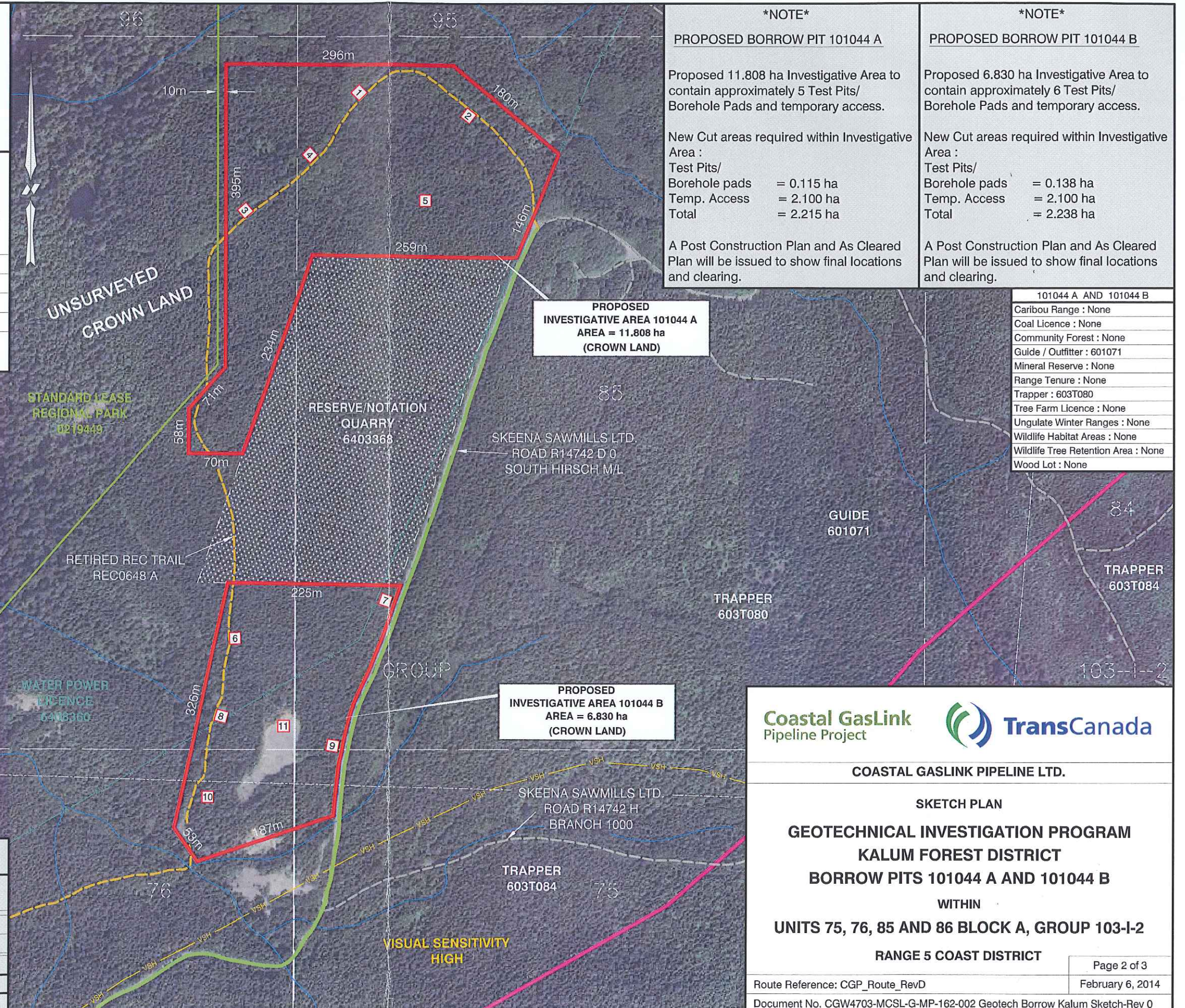
REVISION DESCRIPTION

0 Issued for Use, February 6, 2014

SCALE 1:5000

METRES

PROPOSED BORROW PIT 101044 A TEST PIT/ BOREHOLE PAD LOCATIONS			
ID	NORTHING	EASTING	AREA
1	5991861.6	528596.0	0.023 ha
2	5991832.6	528738.5	0.023 ha
3	5991706.7	528449.4	0.023 ha
4	5991780.2	528533.0	0.023 ha
5	5991721.4	528683.5	0.023 ha
TOTAL TEST PIT/ BOREHOLE PAD AREAS = 0.115 ha			
PROPOSED BORROW PIT 101044 B TEST PIT/ BOREHOLE PAD LOCATIONS			
ID	NORTHING	EASTING	AREA
6	5991150.7	528441.2	0.023 ha
7	5991201.6	528636.1	0.023 ha
8	5991049.3	528424.2	0.023 ha
9	5991012.0	528569.7	0.023 ha
10	5990944.3	528408.1	0.023 ha
11	5991037.1	528505.4	0.023 ha
TOTAL TEST PIT/ BOREHOLE PAD AREAS = 0.138 ha			
TABLE OF TOTAL AREAS REQUIRED - KALUM FOREST DISTRICT (CROWN LAND)			
Proposed Features:	New Cut	Existing Clearing	Total
TEST PIT/ BOREHOLE PAD (28)	0.644 ha	0.000 ha	0.644 ha
TEMP. ACCESS (WITHIN INVESTIGATIVE AREAS)	13.700 ha	0.000 ha	13.700 ha
TOTAL PROPOSED FOOTPRINT AREA	14.344 ha	0.000 ha	14.344 ha
TOTAL CROWN LAND DISTURBANCE = 14.344 ha			
INVESTIGATIVE AREAS (4) TOTAL AREA = 51.369 ha			





**LEGEND :**

	Proposed 15 x 15 Test Pit / Borehole Pad		Drain/Creek
	Investigative Area		Road
	Coastal GasLink Proposed Route		Cutblock/Opening Areas
	Existing Access		PNG Grid Boundary

**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 9 N.
- The proposed project is within the South OGC Zone.
- Distances shown are in metres and decimals thereof.

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Fort St. John, British Columbia  
Phone: (250) 787-0356, Fax: (250) 787-0310

Job : 3111-21419

BCGS 1031 . 009

EPASS# 10045690

REVISION	DESCRIPTION
0	Issued for Use, February 6, 2014



Caribou Range : None  
Coal Licence : None  
Community Forest : None  
Guide / Outfitter : 601071  
Mineral Tenure : None  
Range Tenure : None  
Trapper : 603T080  
Tree Farm Licence : TFL41  
Ungulate Winter Ranges : None  
Wildlife Habitat Areas : None  
Wildlife Tree Retention Area : None  
Wood Lot : None

PROPOSED BORROW PIT E03 TEST PIT/ BOREHOLE PAD LOCATIONS			
ID	NORTHING	EASTING	AREA
1	5993538.0	543667.9	0.023 ha
2	5993473.0	543572.0	0.023 ha
3	5993298.8	543583.4	0.023 ha
4	5993456.6	543879.1	0.023 ha
5	5993208.9	543800.1	0.023 ha
6	5993163.6	544194.0	0.023 ha
7	5993249.8	544235.4	0.023 ha
8	5993073.9	544320.6	0.023 ha
9	5993228.6	543652.2	0.023 ha
10	5993408.5	543693.3	0.023 ha
TOTAL TEST PIT/ BOREHOLE PAD AREAS = 0.230 ha			

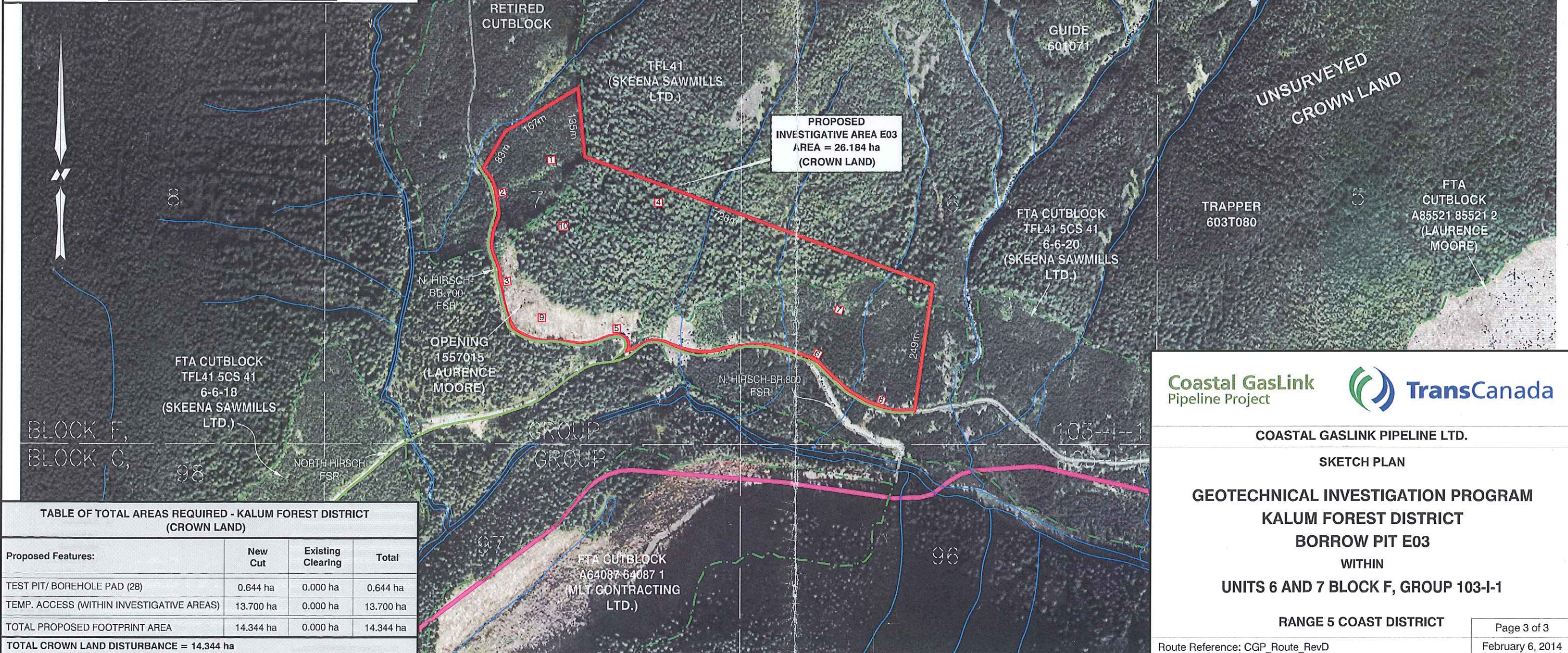
**\*NOTE\*****PROPOSED BORROW PIT E03**

Proposed 26.184 ha Investigative Area to contain approximately 10 Test Pits/ Borehole Pads and temporary access.

New Cut areas required within Investigative Area :

Test Pits/  
Borehole pads = 0.230 ha  
Temp. Access = 8.000 ha  
Total = 8.230 ha

A Post Construction Plan and As Cleared Plan will be issued to show final locations and clearing.



**TABLE OF TOTAL AREAS REQUIRED - KALUM FOREST DISTRICT  
(CROWN LAND)**

Proposed Features:	New Cut	Existing Clearing	Total
TEST PIT/ BOREHOLE PAD (28)	0.644 ha	0.000 ha	0.644 ha
TEMP. ACCESS (WITHIN INVESTIGATIVE AREAS)	13.700 ha	0.000 ha	13.700 ha
TOTAL PROPOSED FOOTPRINT AREA	14.344 ha	0.000 ha	14.344 ha
TOTAL CROWN LAND DISTURBANCE = 14.344 ha			
INVESTIGATIVE AREAS (4) TOTAL AREA = 51.369 ha			

**Coastal GasLink**  
Pipeline Project



COASTAL GASLINK PIPELINE LTD.

SKETCH PLAN

**GEOTECHNICAL INVESTIGATION PROGRAM  
KALUM FOREST DISTRICT  
BORROW PIT E03  
WITHIN  
UNITS 6 AND 7 BLOCK F, GROUP 103-1-1**

RANGE 5 COAST DISTRICT

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Route Reference: CGP\_Route\_RevD

February 6, 2014

Document No. CGW4703-MCSL-G-MP-162-003 Geotech Borrow Kalum Sketch-Rev 0