BC Oil & Gas COMMISSION

OGC File: 9640143

August 15, 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 Units 72, 73, 74, 82, 83 & 84, Block E, Group 93-K-2, Units 23 & 33, Block J, Group 93-K-2, DL 3200, Units 38 & 39, Block L, 93-K-1, Unit 96, Block F, Group 93-K-1,Unit 9, Block L, Group, 93-J-4, Unit 2, Block L, Group 93-J-4, Unit 92, Block E, Group 93-J-4, Units 89, 90, 99 & 100, Block F, Group 93-J-4 and Units 81, & 91, Block E, Group 93-J-4 .

Date of Issuance: August 15, 2014
Commission File No: 9640143
Applicant File No: 130473

PERMISSIONS

The Oil and Gas Commission (``Commisson``) hereby authorizes the holder of permit number 9640143, 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 trails in the attached sketch plan Document: 3111-21419, Sheet 1-7 of 7, Revision 0, dated February 5, 2014 as submitted to the Commission in the permit application dated May 2, 2014 (hereinafter referenced together as the "Site"), to conduct appraisals, inspections, analyses, inventories, surveys or other investigations under Authorization Number 944391, 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 Pit/ Borehole Pad: 1.242 ha.
    b. Temporary Trails: 17.128 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 .

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.

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. 3, under Master License to Cut number M02342, Vanderhoof 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 716.

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:

    a. Test Pit/ Borehole Pad: 1.242 ha.
    b. Temporary Trails: 17.128 ha.

ADDITIONAL CONDITIONS

1. The permit holder must notify the Stellat'en First Nation prior to commencement of activity.
2. The permit holder must notify the Nak'azdli First Nation prior to commencement of activity.
3. The permit holder must notify the Saik'uz First Nation prior to commencement of activities.
4. The permit holder must notify the Nadleh Whut'en First Nation prior to commencement of activities.
5. Topsoil stripping, ditching and road bed construction are not permitted within the temporary trails.

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

Justin Anderson
Natural Resource Officer

pc: Nadleh Whut'en First Nation
pc: Nak'azdli First Nation
pc: Saik'uz First Nation
pc: Stellat'en First Nation
pc: Roy Northern Land and Environmental

Operations – Permitting and Authorizations
6534 Airport Road
Fort St. John, BC V1J 4M6

Telephone: 250-794-5200
Facsimile: 250-794-5390
24 Hour: 250-794-5200

LEGEND :

- Proposed 15 x 15 Test Pit / Borehole Pad
- Investigative Area
- Existing Access
- Special Use Permit
- Mineral Title
- Cutblock/Opening Areas
- Drain/Creek
- Road
- PNG Grid Boundary
- Wildlife Retention Area

Caribou Range : None
Coal Licence : None
Community Forest : None
Guide / Outfitter : 701137
Mineral Tenure : 595901
Range Tenure : None
Trapper : 713T017
Tree Farm Licence : None
Ungulate Winter Ranges : None
Wildlife Habitat Areas : None
Wildlife Tree Retention Area : None
Wood Lot : None

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 : 3111-21419

BCGS 93K . 016

EPASS# 10045647

REVISION	DESCRIPTION
0	Issued for Use, February 5, 2014

SCALE 1:5000 — 100 75 50 25 0 100 200 METRES

NOTE

PROPOSED BORROW PIT PBS 83

Proposed 1.833 ha Investigative Area to contain approximately 3 Test Pits/ Borehole Pads and temporary trails.

New Cut areas required within Investigative Area :
Test Pits/
Borehole pads = 0.069 ha
Temp. Trails = 0.600 ha
Total = 0.669 ha

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

NOTE

PROPOSED BORROW PIT PBS 84

Proposed 7.256 ha Investigative Area to contain approximately 5 Test Pits/ Borehole Pads and temporary trails.

New Cut areas required within Investigative Area :
Test Pits/
Borehole pads = 0.115 ha
Temp. Trails = 1.500 ha
Total = 1.615 ha

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

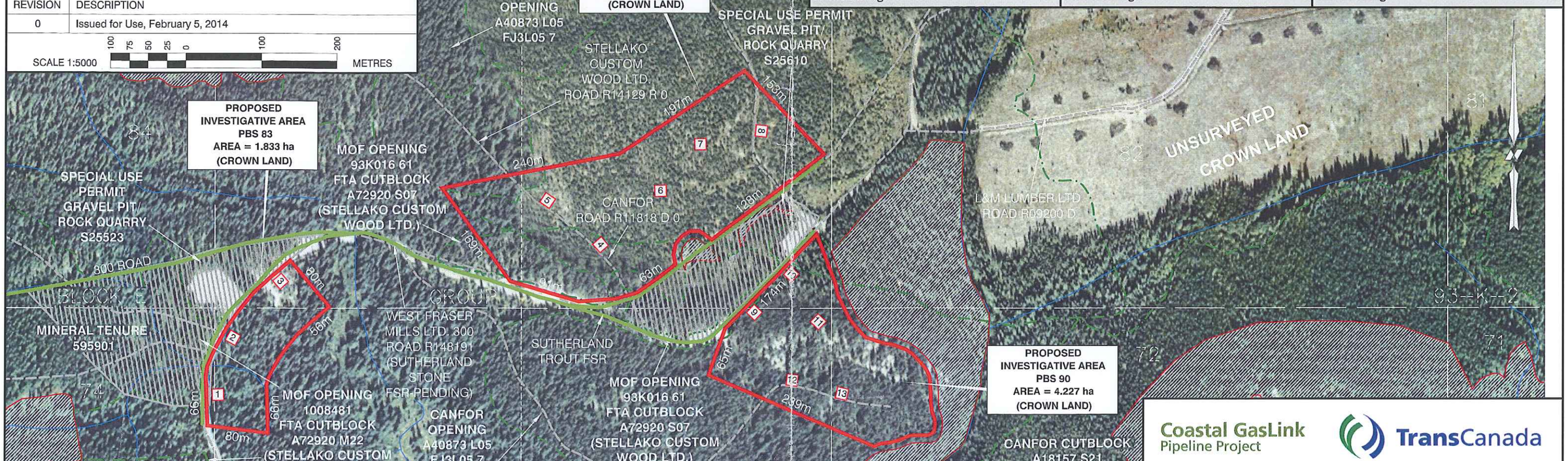
NOTE

PROPOSED BORROW PIT PBS 90

Proposed 4.227 ha Investigative Area to contain approximately 5 Test Pits/ Borehole Pads and temporary trails.

New Cut areas required within Investigative Area :
Test Pits/
Borehole pads = 0.115 ha
Temp. Trails = 0.900 ha
Total = 1.015 ha

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



PROPOSED BORROW PIT PBS 83 TEST PIT/ BORHOLE PAD LOCATIONS

ID	NORTHING	EASTING	AREA
1	6001773.5	374992.9	0.023 ha
2	6001848.2	375014.3	0.023 ha
3	6001921.2	375079.3	0.023 ha
TOTAL TEST PIT/ BOREHOLE PAD AREAS =			0.069 ha

PROPOSED BORROW PIT PBS 84 TEST PIT/ BORHOLE PAD LOCATIONS

ID	NORTHING	EASTING	AREA
4	6001958.6	375505.0	0.023 ha
5	6002019.0	375436.2	0.023 ha
6	6002027.7	375586.0	0.023 ha
7	6002087.9	375640.1	0.023 ha
8	6002103.5	375721.0	0.023 ha
TOTAL TEST PIT/ BOREHOLE PAD AREAS =			0.115 ha

PROPOSED BORROW PIT PBS 90 TEST PIT/ BORHOLE PAD LOCATIONS

ID	NORTHING	EASTING	AREA
9	6001863.5	375705.6	0.023 ha
10	6001912.8	375755.8	0.023 ha
11	6001849.0	375790.0	0.023 ha
12	6001772.8	375753.4	0.023 ha
13	6001752.8	375819.0	0.023 ha
TOTAL TEST PIT/ BOREHOLE PAD AREAS =			0.115 ha

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

Proposed Features:	New Cut	Existing Clearing	Total
TEST PIT/ BOREHOLE PAD (54)	1.242 ha	0.000 ha	1.242 ha
TEMP. TRAILS (WITHIN INVESTIGATIVE AREAS)	17.128 ha	0.000 ha	17.128 ha
TOTAL PROPOSED FOOTPRINT AREA	18.370 ha	0.00 ha	18.370 ha
TOTAL CROWN LAND DISTURBANCE = 18.370 ha			
INVESTIGATIVE AREAS (10) TOTAL AREA = 87.710 ha			

Coastal GasLink Pipeline Project — TransCanada

COASTAL GASLINK PIPELINE LTD.

SKETCH PLAN

GEOTECHNICAL INVESTIGATION PROGRAM VANDERHOOF FOREST DISTRICT BORROW PITS PBS 83, PBS 84 AND PBS 90

WITHIN

UNITS 72, 73, 74, 82, 83 AND 84 BLOCK E, GROUP 93-K-2

RANGE 5 COAST DISTRICT

Route Reference: CGP_Route_RevD — February 5, 2014

Document No. CGW4703-MCSL-G-MP-167-001 Geotech Borrow Vanderhoof Sketch-Rev 0

LEGEND :

- Proposed 15 x 15 Test Pit / Borehole Pad
- Investigative Area
- Existing Access
- Archaeological Site
- District Lot Boundary
- PNG Grid Boundary
- Cutblock/Opening Areas
- Drain/Creek
- Road
- Wildlife Tree Retention Area
- Visual Sensitivity High

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.

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BCGS 93K . 017

EPASS# 10045647

REVISION	DESCRIPTION
0	Issued for Use, February 3, 2014

SCALE 1:5000 — 100 75 50 25 0 100 200 METRES

Caribou Range : None
Coal Licence : None
Community Forest : None
Guide / Outfitter : 701137
Mineral Tenure : None
Range Tenure : RAN077277
Trapper : 713T015
Tree Farm Licence : None
Ungulate Winter Ranges : None
Wildlife Habitat Areas : None
Wildlife Tree Retention Area : None
Wood Lot : None

PROPOSED BORROW PIT PBS 88 TEST PIT/ BORHOLE PAD LOCATIONS

ID	NORTHING	EASTING	AREA
1	6006132.3	391586.9	0.023 ha
2	6006157.2	391831.5	0.023 ha
3	6006048.6	391764.2	0.023 ha
4	6005919.0	391672.1	0.023 ha
5	6005866.2	391714.5	0.023 ha
6	6005867.6	391903.5	0.023 ha
7	6006062.4	391905.2	0.023 ha
8	6005812.4	391802.4	0.023 ha
TOTAL TEST PIT/ BOREHOLE PAD AREAS =			0.184 ha

NOTE

PROPOSED BORROW PIT PBS 88

Proposed 14.267 ha Investigative Area to contain approximately 8 Test Pits/ Borehole Pads and temporary trails

New Cut areas required within Investigative Area :

Test Pits/ Borehole pads	= 0.184 ha
Temp. Trails	= 2.400 ha
Total	= 2.584 ha

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

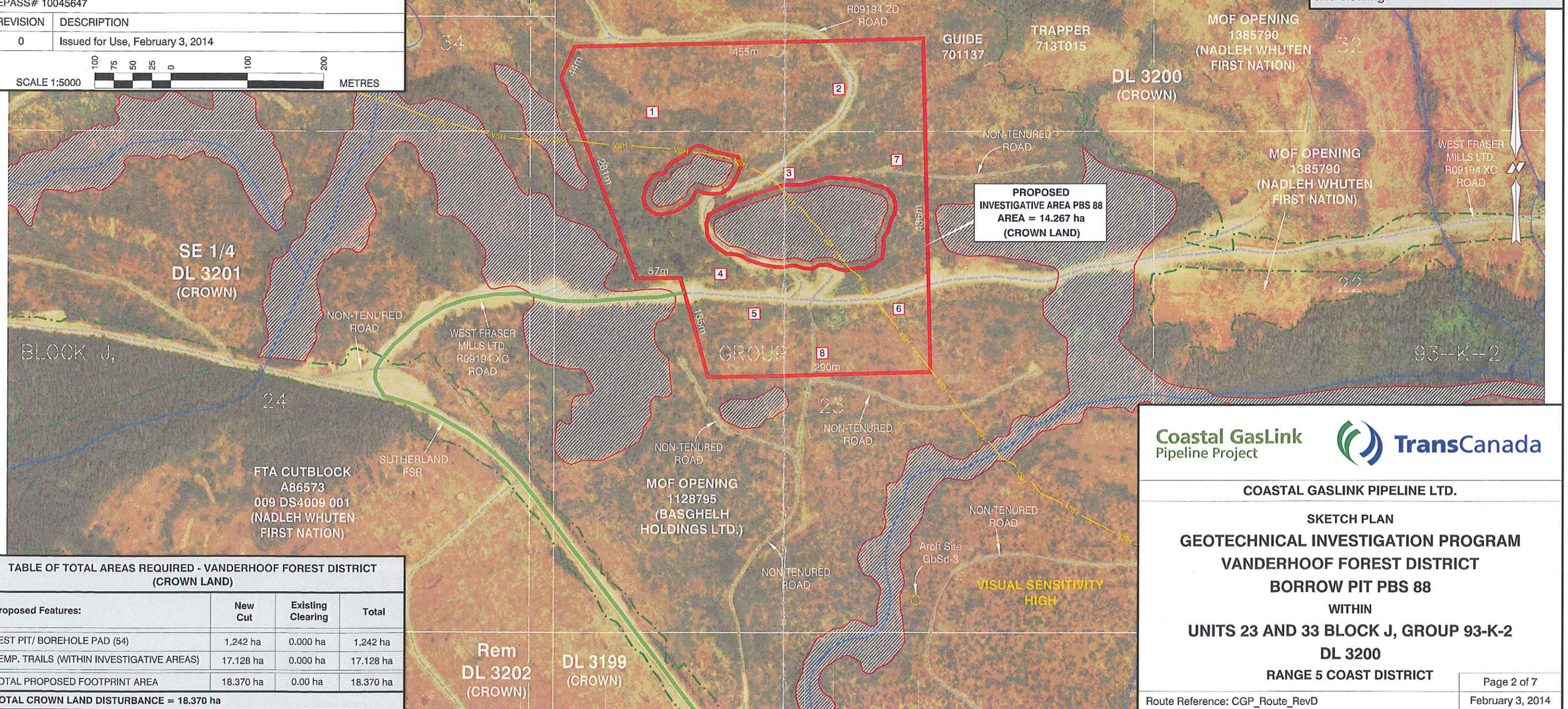

TABLE OF TOTAL AREAS REQUIRED - VANDERHOOF FOREST DISTRICT (CROWN LAND)

Proposed Features:	New Cut	Existing Clearing	Total
TEST PIT/ BOREHOLE PAD (54)	1.242 ha	0.000 ha	1.242 ha
TEMP. TRAILS (WITHIN INVESTIGATIVE AREAS)	17.128 ha	0.000 ha	17.128 ha
TOTAL PROPOSED FOOTPRINT AREA	18.370 ha	0.00 ha	18.370 ha
TOTAL CROWN LAND DISTURBANCE = 18.370 ha			
INVESTIGATIVE AREAS (10) TOTAL AREA = 87.710 ha			

Coastal GasLink Pipeline Project — TransCanada

COASTAL GASLINK PIPELINE LTD.

SKETCH PLAN

GEOTECHNICAL INVESTIGATION PROGRAM VANDERHOOF FOREST DISTRICT BORROW PIT PBS 88

WITHIN

UNITS 23 AND 33 BLOCK J, GROUP 93-K-2 DL 3200

RANGE 5 COAST DISTRICT

Route Reference: CGP_Route_RevD — February 3, 2014

Document No. CGW4703-MCSL-G-MP-167-002 Geotech Borrow Vanderhoof Sketch-Rev 0

LEGEND :

- Proposed 15 x 15 Test Pit / Borehole Pad
- Investigative Area
- Existing Access
- Drain/Creek
- Cutblock/Opening Areas
- Range Tenure Boundary
- Road
- 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 10 N.
-The proposed project is within the South OGC Zone.
-Distances shown are in metres and decimals thereof.

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BCGS 93K . 018

EPASS# 10045647

REVISION	DESCRIPTION
0	Issued for Use, February 3, 2014

SCALE 1:5000 — 100 75 50 25 0 100 200 METRES

Caribou Range : None
Coal Licence : None
Community Forest : None
Guide / Outfitter : 701137
Mineral Tenure : None
Range Tenure : RAN077277
Trapper : 713T020
Tree Farm Licence : None
Ungulate Winter Ranges : None
Wildlife Habitat Areas : None
Wildlife Tree Retention Area : None
Wood Lot : None

PROPOSED BORROW PIT PBS 72
TEST PIT/ BOREHOLE PAD LOCATIONS

ID	NORTHING	EASTING	AREA
1	6006405.5	403634.9	0.023 ha
2	6006274.9	403563.8	0.023 ha
3	6006144.9	403754.4	0.023 ha
4	6006178.9	403555.2	0.023 ha
5	6006112.7	403586.2	0.023 ha
6	6006264.5	403654.8	0.023 ha
7	6006179.4	403667.8	0.023 ha
TOTAL TEST PIT/ BOREHOLE PAD AREAS =			0.161 ha

NOTE

PROPOSED BORROW PIT PBS 72

Proposed 11.256 ha Investigative Area to contain approximately 7 Test Pits/ Borehole Pads and temporary trails.

New Cut areas required within Investigative Area :
Test Pits/
Borehole pads = 0.161 ha
Temp. Trails = 3.000 ha
Total = 3.161 ha

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

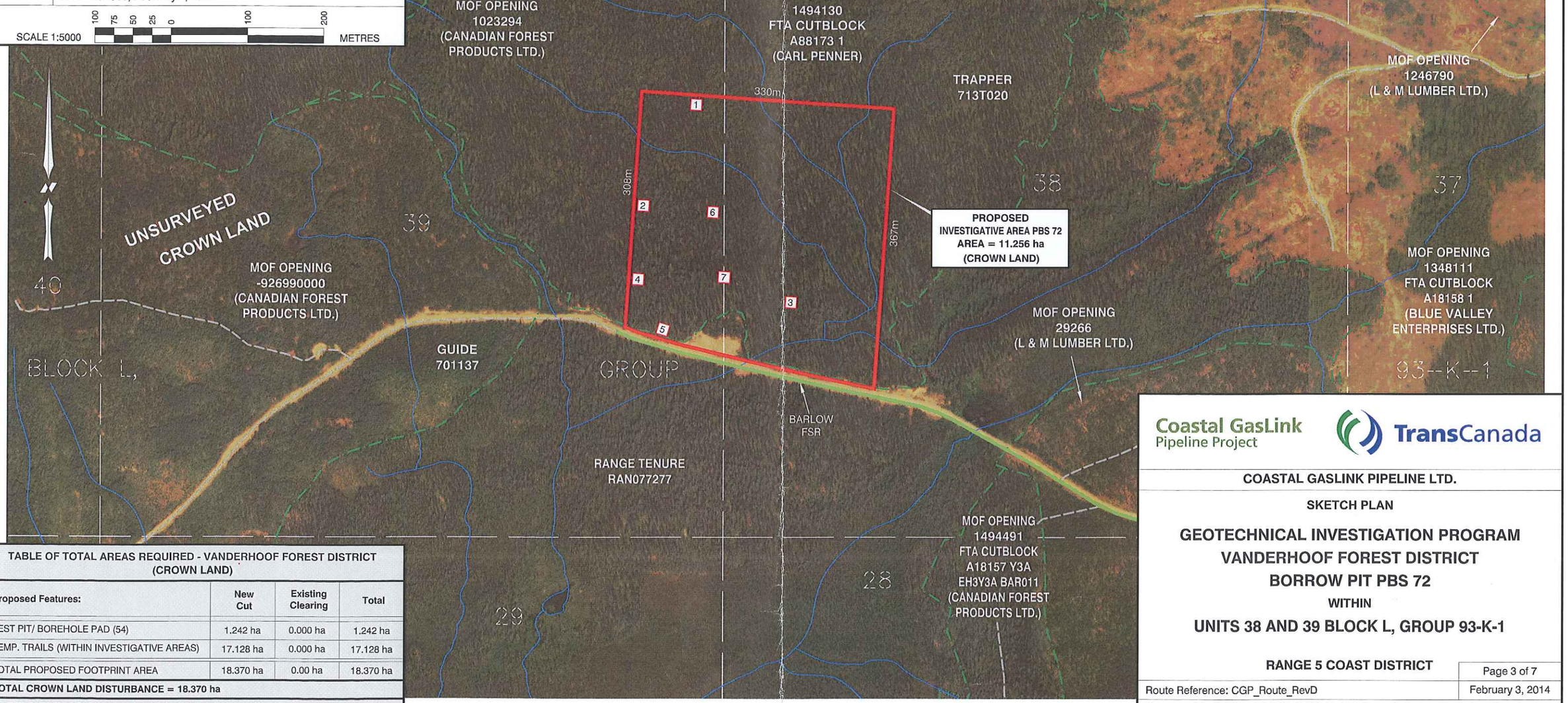

TABLE OF TOTAL AREAS REQUIRED - VANDERHOOF FOREST DISTRICT (CROWN LAND)

Proposed Features:	New Cut	Existing Clearing	Total
TEST PIT/ BOREHOLE PAD (54)	1.242 ha	0.000 ha	1.242 ha
TEMP. TRAILS (WITHIN INVESTIGATIVE AREAS)	17.128 ha	0.000 ha	17.128 ha
TOTAL PROPOSED FOOTPRINT AREA	18.370 ha	0.00 ha	18.370 ha
TOTAL CROWN LAND DISTURBANCE = 18.370 ha			
INVESTIGATIVE AREAS (10) TOTAL AREA = 87.710 ha			

Coastal GasLink Pipeline Project — TransCanada

COASTAL GASLINK PIPELINE LTD.

SKETCH PLAN

GEOTECHNICAL INVESTIGATION PROGRAM
VANDERHOOF FOREST DISTRICT
BORROW PIT PBS 72

WITHIN

UNITS 38 AND 39 BLOCK L, GROUP 93-K-1

RANGE 5 COAST DISTRICT

Route Reference: CGP_Route_RevD — February 3, 2014

Document No. CGW4703-MCSL-G-MP-167-003 Geotech Borrow Vanderhoof Sketch-Rev 0

LEGEND :

- Proposed 15 x 15 Test Pit / Borehole Pad
- Investigative Area
- Existing Access
- Drain/Creek
- Section Boundary
- PNG Grid Boundary
- Coastal GasLink Proposed Route
- Map Notation Boundary
- Road
- Cutblock/Opening Areas
- Wildlife Tree Retention Area

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.

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Job : 3111-21419

BCGS 93K . 019

EPASS# 10045647

REVISION	DESCRIPTION
0	Issued for Use, February 3, 2014

SCALE 1:2500 — 50 37.5 25 12.5 0 50 100 METRES

Caribou Range : None
Coal Licence : None
Community Forest : None
Guide / Outfitter : 701137
Mineral Tenure : None
Range Tenure : RAN076346
Trapper : 713T013
Tree Farm Licence : None
Ungulate Winter Ranges : None
Wildlife Habitat Areas : None
Wildlife Tree Retention Area : None
Wood Lot : None

PROPOSED BORROW PIT PBS 37
TEST PIT/ BORHOLE PAD LOCATIONS

ID	NORTHING	EASTING	AREA
1	6002102.4	414116.9	0.023 ha
2	6002045.7	414084.5	0.023 ha
3	6001989.2	414091.7	0.023 ha
4	6002061.8	414121.7	0.023 ha
5	6002011.6	414059.0	0.023 ha
TOTAL TEST PIT/ BOREHOLE PAD AREAS =			0.115 ha

NOTE

PROPOSED BORROW PIT PBS 37

Proposed 2.182 ha Investigative Area to contain approximately 5 Test Pits/ Borehole Pads and temporary trails.

New Cut areas required within Investigative Area :
Test Pits/
Borehole pads = 0.115 ha
Temp. Trails = 0.727 ha
Total = 0.842 ha

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

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

Proposed Features:	New Cut	Existing Clearing	Total
TEST PIT/ BOREHOLE PAD (54)	1.242 ha	0.000 ha	1.242 ha
TEMP. TRAILS (WITHIN INVESTIGATIVE AREAS)	17.128 ha	0.000 ha	17.128 ha
TOTAL PROPOSED FOOTPRINT AREA	18.370 ha	0.00 ha	18.370 ha
TOTAL CROWN LAND DISTURBANCE = 18.370 ha			
INVESTIGATIVE AREAS (10) TOTAL AREA = 87.710 ha			

Coastal GasLink Pipeline Project — TransCanada

COASTAL GASLINK PIPELINE LTD.

SKETCH PLAN

GEOTECHNICAL INVESTIGATION PROGRAM
VANDERHOOF FOREST DISTRICT
BORROW PIT PBS 37
WITHIN
UNIT 96 BLOCK F, GROUP 93-K-1
RANGE 5 COAST DISTRICT

Route Reference: CGP_Route_RevD — February 3, 2014

Document No. CGW4703-MCSL-G-MP-167-004 Geotech Borrow Vanderhoof Sketch-Rev 0

LEGEND :

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

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.

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Job : 3111-21419

BCGS 93J . 011

EPASS# 10045647

REVISION	DESCRIPTION
0	Issued for Use, February 3, 2014

SCALE 1:1250 — 25 22.5 12.5 6.25 0 25 50 METRES

Caribou Range : None
Coal Licence : None
Community Forest : None
Guide / Outfitter : 701167
Mineral Tenure : None
Range Tenure : None
Trapper : 713T010
Tree Farm Licence : None
Ungulate Winter Ranges : None
Wildlife Habitat Areas : None
Wildlife Tree Retention Area : None
Wood Lot : None

PROPOSED BORROW PIT 38 TEST PIT/ BOREHOLE PAD LOCATIONS

ID	NORTHING	EASTING	AREA
1	6003047.2	436063.0	0.023 ha
2	6003085.0	436102.3	0.023 ha
3	6003085.0	436102.3	0.023 ha
TOTAL TEST PIT/ BOREHOLE PAD AREAS =			0.069 ha

NOTE

PROPOSED BORROW PIT 38

Proposed 0.626 ha Investigative Area to contain approximately 3 Test Pits/ Borehole Pads and temporary trails.

New Cut areas required within Investigative Area :
Test Pits/
Borehole pads = 0.069 ha
Temp. Trails = 0.209 ha
Total = 0.278 ha

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

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

Proposed Features:	New Cut	Existing Clearing	Total
TEST PIT/ BOREHOLE PAD (54)	1.242 ha	0.000 ha	1.242 ha
TEMP. TRAILS (WITHIN INVESTIGATIVE AREAS)	17.128 ha	0.000 ha	17.128 ha
TOTAL PROPOSED FOOTPRINT AREA	18.370 ha	0.00 ha	18.370 ha
TOTAL CROWN LAND DISTURBANCE = 18.370 ha			
INVESTIGATIVE AREAS (10) TOTAL AREA = 87.710 ha			

Coastal GasLink Pipeline Project — TransCanada

COASTAL GASLINK PIPELINE LTD.

SKETCH PLAN

GEOTECHNICAL INVESTIGATION PROGRAM VANDERHOOF FOREST DISTRICT BORROW PIT PBS 38

WITHIN

UNIT 9 BLOCK L, GROUP 93-J-4

CARIBOO DISTRICT

Route Reference: CGP_Route_RevD — February 3, 2014

Document No. CGW4703-MCSL-G-MP-167-005 Geotech Borrow Vanderhoof Sketch-Rev 0

LEGEND :

- Proposed 15 x 15 Test Pit / Borehole Pad
- Investigative Area
- Existing Access
- Trapper
- PNG Grid Boundary
- Cutblock/Opening Areas
- Drain/Creek
- Road
- Wildlife Tree Retention Area

Caribou Range : None	
Coal Licence : None	
Community Forest : None	
Guide / Outfitter : 701167	
Mineral Tenure : None	
Range Tenure : None	
Trapper : 713T009 & 713T010	
Tree Farm Licence : None	
Ungulate Winter Ranges : None	
Wildlife Habitat Areas : None	
Wildlife Tree Retention Area : None	
Wood Lot : None	

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 : 3111-21419

BCGS 93J . 011

EPASS# 10045647

REVISION	DESCRIPTION
0	Issued for Use, February 5, 2014

SCALE 1:5000 — 100 75 50 25 0 100 200 METRES

NOTE

PROPOSED BORROW PIT PBS 39A

Proposed 4.187 ha Investigative Area to contain approximately 6 Test Pits/ Borehole Pads and temporary trails.

New Cut areas required within Investigative Area :

Test Pits/ Borehole pads	= 0.138 ha
Temp. Trails	= 1.396 ha
Total	= 1.534 ha

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

NOTE

PROPOSED BORROW PIT PBS 39B

Proposed 1.187 ha Investigative Area to contain approximately 3 Test Pits/ Borehole Pads and temporary trails.

New Cut areas required within Investigative Area :

Test Pits/ Borehole pads	= 0.069 ha
Temp. Trails	= 0.396 ha
Total	= 0.465 ha

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

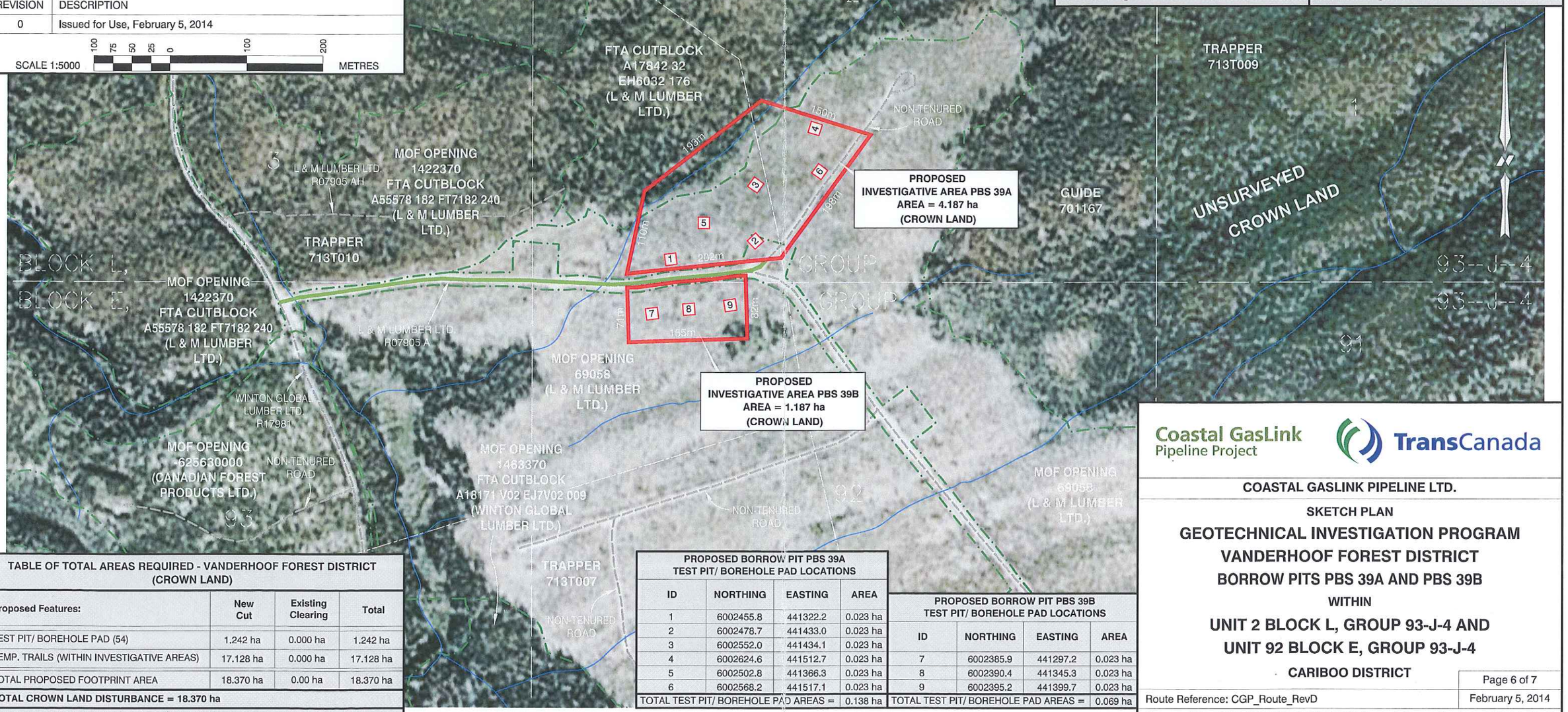

TABLE OF TOTAL AREAS REQUIRED - VANDERHOOF FOREST DISTRICT (CROWN LAND)

Proposed Features:	New Cut	Existing Clearing	Total
TEST PIT/ BOREHOLE PAD (54)	1.242 ha	0.000 ha	1.242 ha
TEMP. TRAILS (WITHIN INVESTIGATIVE AREAS)	17.128 ha	0.000 ha	17.128 ha
TOTAL PROPOSED FOOTPRINT AREA	18.370 ha	0.00 ha	18.370 ha
TOTAL CROWN LAND DISTURBANCE = 18.370 ha			
INVESTIGATIVE AREAS (10) TOTAL AREA = 87.710 ha			

PROPOSED BORROW PIT PBS 39A TEST PIT/ BOREHOLE PAD LOCATIONS

ID	NORTHING	EASTING	AREA
1	6002455.8	441322.2	0.023 ha
2	6002478.7	441433.0	0.023 ha
3	6002552.0	441434.1	0.023 ha
4	6002624.6	441512.7	0.023 ha
5	6002502.8	441366.3	0.023 ha
6	6002568.2	441517.1	0.023 ha
TOTAL TEST PIT/ BOREHOLE PAD AREAS =			0.138 ha

PROPOSED BORROW PIT PBS 39B TEST PIT/ BOREHOLE PAD LOCATIONS

ID	NORTHING	EASTING	AREA
7	6002385.9	441297.2	0.023 ha
8	6002390.4	441345.3	0.023 ha
9	6002395.2	441399.7	0.023 ha
TOTAL TEST PIT/ BOREHOLE PAD AREAS =			0.069 ha

Coastal GasLink Pipeline Project — TransCanada

COASTAL GASLINK PIPELINE LTD.

SKETCH PLAN

GEOTECHNICAL INVESTIGATION PROGRAM VANDERHOOF FOREST DISTRICT BORROW PITS PBS 39A AND PBS 39B

WITHIN

UNIT 2 BLOCK L, GROUP 93-J-4 AND UNIT 92 BLOCK E, GROUP 93-J-4

CARIBOO DISTRICT

Route Reference: CGP_Route_RevD

February 5, 2014

Document No. CGW4703-MCSL-G-MP-167-006 Geotech Borrow Vanderhoof Sketch-Rev 0

LEGEND :

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

NOTES :

-The proposed project is not within the Agricultural Land Reserve (ALR)
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-The proposed project is within the South OGC Zone.
-Distances shown are in metres and decimals thereof.

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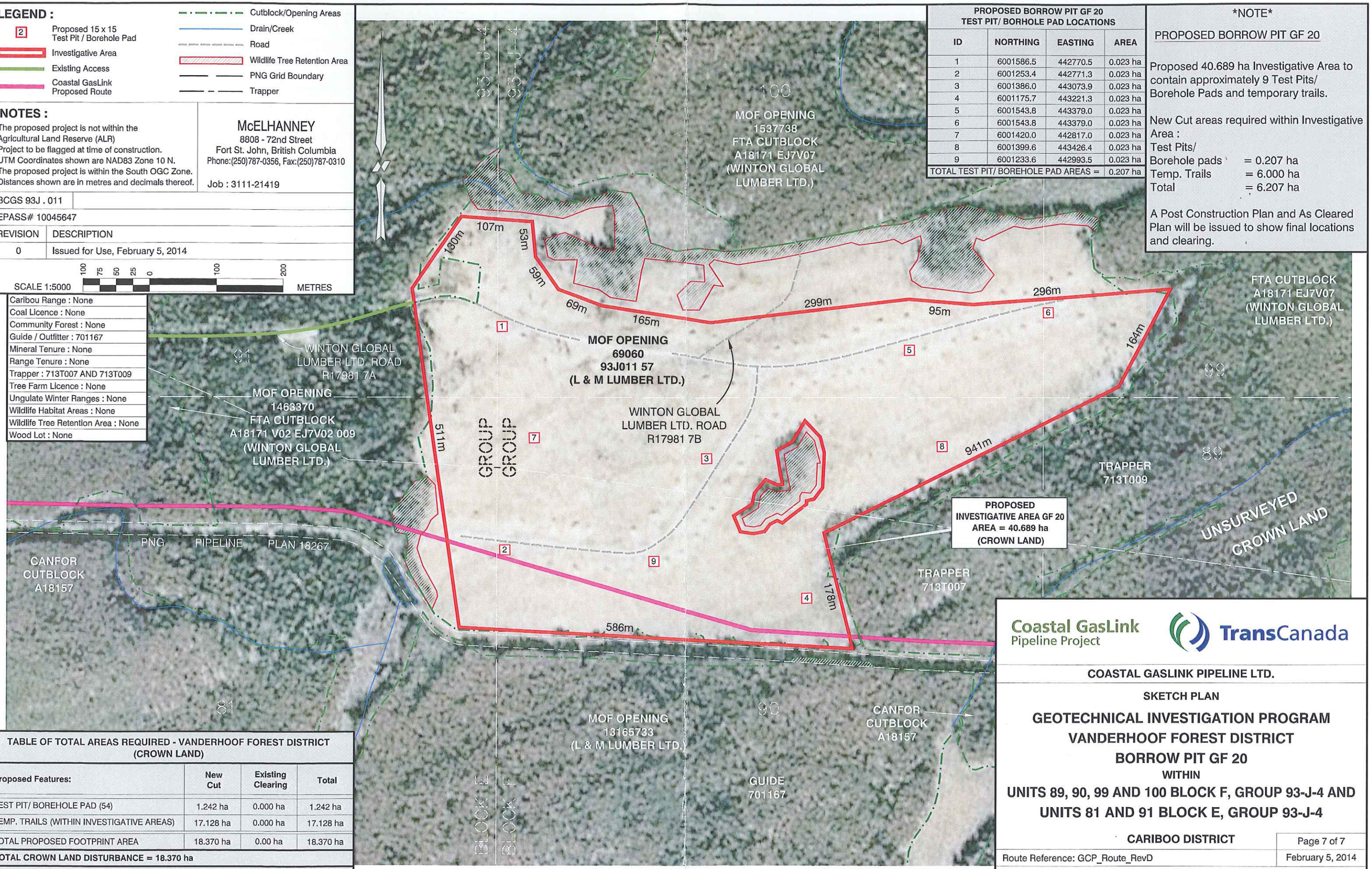
EPASS# 10045647

REVISION	DESCRIPTION
0	Issued for Use, February 5, 2014

SCALE 1:5000 — 100 75 50 25 0 100 200 METRES

Caribou Range : None
Coal Licence : None
Community Forest : None
Guide / Outfitter : 701167
Mineral Tenure : None
Range Tenure : None
Trapper : 713T007 AND 713T009
Tree Farm Licence : None
Ungulate Winter Ranges : None
Wildlife Habitat Areas : None
Wildlife Tree Retention Area : None
Wood Lot : None



PROPOSED BORROW PIT GF 20 TEST PIT/ BORHOLE PAD LOCATIONS

ID	NORTHING	EASTING	AREA
1	6001586.5	442770.5	0.023 ha
2	6001253.4	442771.3	0.023 ha
3	6001386.0	443073.9	0.023 ha
4	6001175.7	443221.3	0.023 ha
5	6001543.8	443379.0	0.023 ha
6	6001543.8	443379.0	0.023 ha
7	6001420.0	442817.0	0.023 ha
8	6001399.6	443426.4	0.023 ha
9	6001233.6	442993.5	0.023 ha
TOTAL TEST PIT/ BOREHOLE PAD AREAS =			0.207 ha

NOTE

PROPOSED BORROW PIT GF 20

Proposed 40.689 ha Investigative Area to contain approximately 9 Test Pits/ Borehole Pads and temporary trails.

New Cut areas required within Investigative Area :

Test Pits/ Borehole pads	= 0.207 ha
Temp. Trails	= 6.000 ha
Total	= 6.207 ha

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

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

Proposed Features:	New Cut	Existing Clearing	Total
TEST PIT/ BOREHOLE PAD (54)	1.242 ha	0.000 ha	1.242 ha
TEMP. TRAILS (WITHIN INVESTIGATIVE AREAS)	17.128 ha	0.000 ha	17.128 ha
TOTAL PROPOSED FOOTPRINT AREA	18.370 ha	0.00 ha	18.370 ha
TOTAL CROWN LAND DISTURBANCE = 18.370 ha			
INVESTIGATIVE AREAS (10) TOTAL AREA = 87.710 ha			

Coastal GasLink Pipeline Project — TransCanada

COASTAL GASLINK PIPELINE LTD.

SKETCH PLAN

GEOTECHNICAL INVESTIGATION PROGRAM VANDERHOOF FOREST DISTRICT BORROW PIT GF 20

WITHIN

UNITS 89, 90, 99 AND 100 BLOCK F, GROUP 93-J-4 AND UNITS 81 AND 91 BLOCK E, GROUP 93-J-4

CARIBOO DISTRICT

Route Reference: GCP_Route_RevD — February 5, 2014

Document No. CGW4703-MCSL-G-MP-167-007 Geotech Borrow Vanderhoof Sketch-Rev 0