



OGC File: 9638239

August 13, 2013

Pacific Trail Pipelines Management Inc.
2800, 421 – 7th Ave SW
Calgary, Alberta, T2P 4K9

Attention: Surface Land Administrator

Re: Investigative Permit- Section 14 over Crown Land, Range 5 Coast District
within b-29-K, a-30-K and d-30-K, 93-L-3.

Date of Issuance: August 13, 2013
Commission File No: 9638239
Applicant File No: PTP-0001 (Morice HDD)

PERMISSIONS

The Oil and Gas Commission ("Commission") hereby authorizes the holder of permit number 9638239, under section 14 of the *Land Act*, to allow Pacific Trail Pipelines Management Inc. (the "permit holder") to occupy Crown land within the areas described as HDD Sites and Access in the attached sketch plan CAD File Number: N20130114SK6-0, CAN-AM File Number: N20130114, Revision 0, dated April 17, 2013, as submitted to the Commission in the permit application dated June 10, 2013 (hereinafter referenced together as the "Site"), to conduct appraisals, inspections, analyses, inventories, surveys or other investigations under Authorization Number 941182, 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 1.35 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 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 Oil and Gas Commission and all mitigation measures must be approved by OGC archaeology staff 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 OGC 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:
 - a. immediately cease all work in the vicinity of the artifacts, features, materials or things;
 - b. immediately notify the 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 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. 9, under Master License to Cut number M02281, 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:

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 954.
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 of 1.35 Ha within the Site.

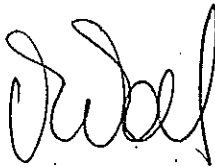
ADDITIONAL CONDITIONS

1. Ditching, topsoil removal, or road prism construction are not permitted.

ADVISORY GUIDANCE

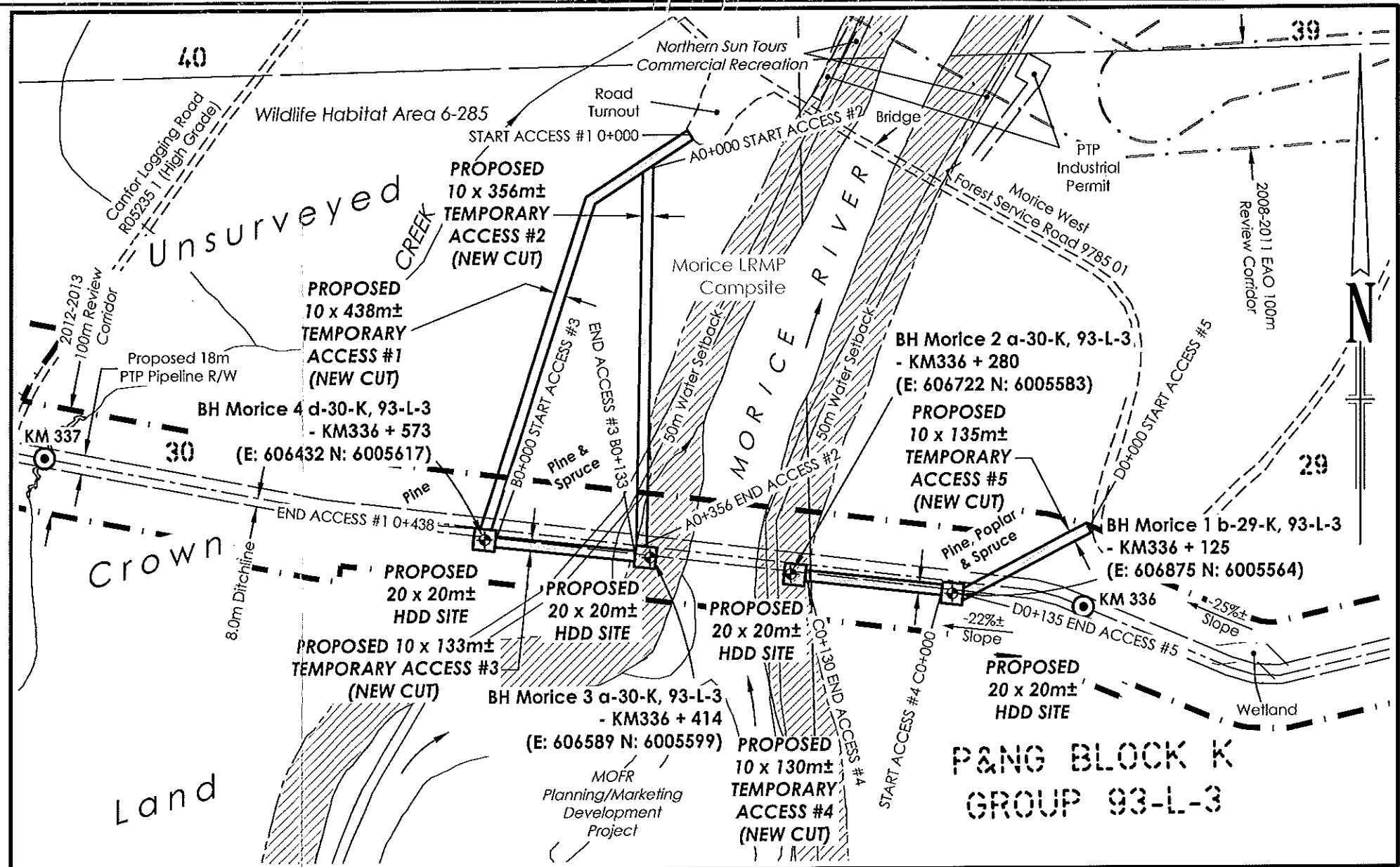
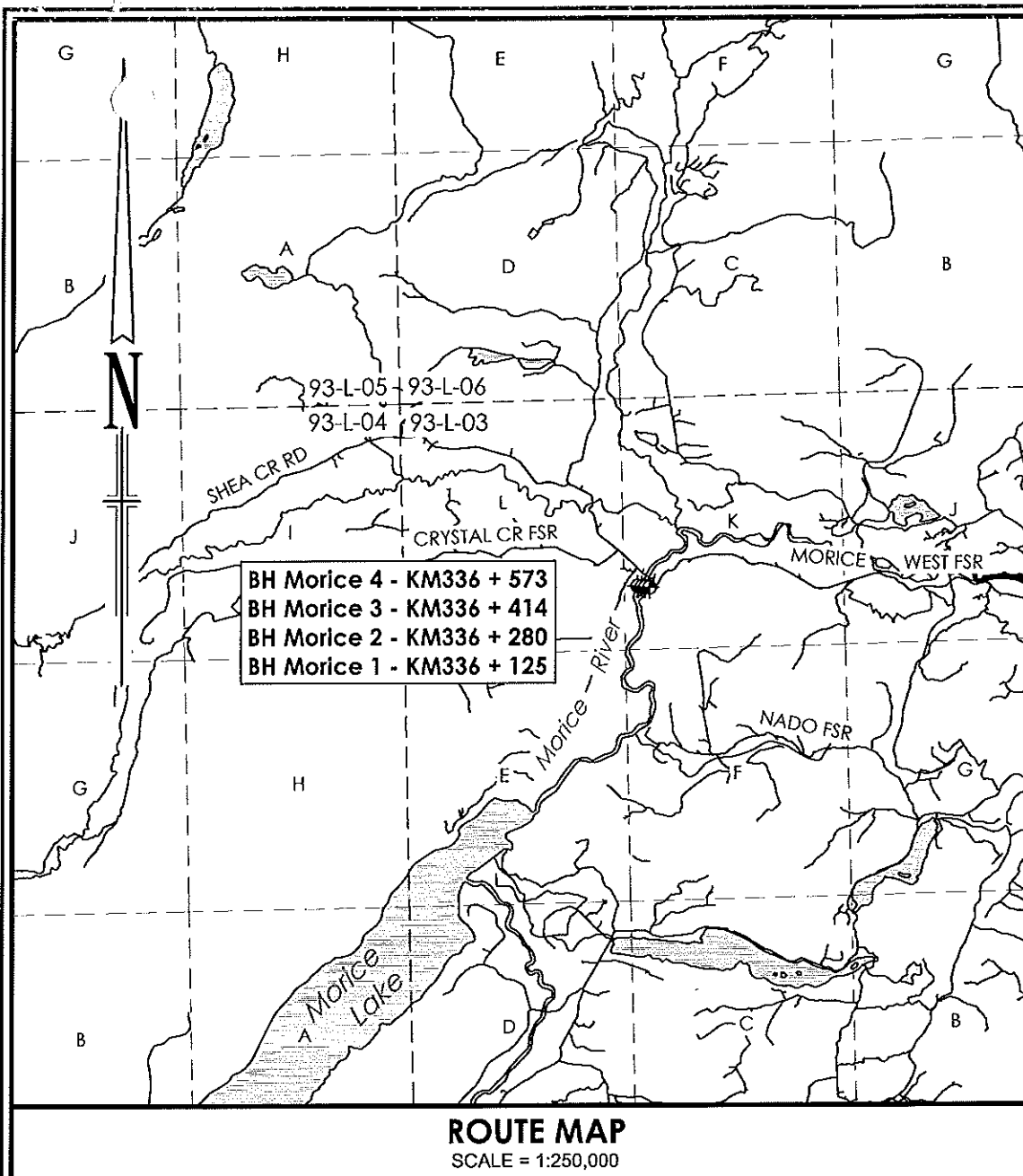
1. The Commission requests the permit holder notify the Carrier Sekani Tribal Council office prior to the commencement of the project.
2. The Commission requests the permit holder notify the Office of the Wet'suwet'en prior to the commencement of the project.
3. The Commission requests the permit holder notify the Wet'suwet'en First Nations prior to the commencement of the project.
4. The Commission requests the permit holder notify the Skin Tyee Nation prior to the commencement of the project.

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



Viva Wolf
Operations Manager

pc: FLNRO – Kalum
pc: Carrier Sekani Tribal Council, Office of the Wet'suwet'en, Wet'suwet'en First Nations, Skin Tyee Nation



PROPOSED PROJECT AREAS REQUIRED			
FEATURE	NEW CUT	TOTAL	
HDD Sites	0.16ha 0.40ac	0.16ha	0.40ac
Access	1.19ha 2.94ac	1.19ha	2.94ac
TOTAL AREA REQ'D	1.35ha 3.34ac	1.35ha	3.34ac

ACCESS CO-ORDINATES NAD 83 UTM		
DESCRIPTION	NORTHING	EASTING
0+000 Start Access #1	6005997	606627
0+438 End Access #1	6005627	606433
A0+000 Start Access #2	6005966	606587
A0+356 End Access #2	6005610	606580
B0+000 Start Access #3	6005615	606442
B0+133 End Access #3	6005601	606574

ACCESS CO-ORDINATES NAD 83 UTM		
DESCRIPTION	NORTHING	EASTING
C0+000 Start Access #4	6005567	606865
C0+130 End Access #4	6005581	606735
D0+000 Start Access #5	6005625	607004
D0+135 End Access #5	6005563	606885

NOTES:
 All underground facilities shown were located with electronic locators and may be subject to error. Actual locations should be verified independently by the contractor in field prior to any crossings.

LEGEND:
 A.L.R. boundary shown thus:
 Crossing Numbers shown thus:
 Vegetation Change shown thus:
 Buried Pipe shown thus:
 2012-2013 Kilometer Posts shown thus:
 2011-2012 Kilometer Posts shown thus:

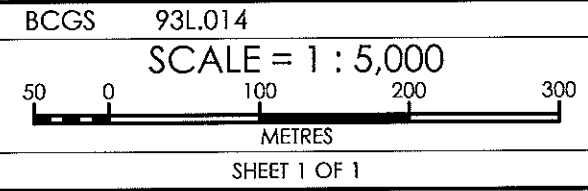
No.	REVISIONS	BY	DATE (YY/MM/DD)	CKD
0	Original Plan Issued	WC	13/04/17	BP

Km Markers are for reference purposes only.
 NAD 83 UTM Coordinates are in Zone 9

PACIFIC TRAIL PIPELINES MANAGEMENT INC.

**SKETCH PLAN SHOWING
 MORICE RIVER
 HDD TEST HOLES IN b-29-K, 93-L-3,
 a-30-K, 93-L-3 & d-30-K, 93-L-3**

can-am geomatics
 can-am geomatics bc Phone: 250.774.7881
 Fort Nelson, B.C. Toll Free: 1.877.870.7881
 www.canam.com Fax: 250.774.7882



FIELD:	 REVISION
CAN-AM FILE: N20130114	
CLIENT FILE:	
AFE No.:	
CAD FILE: N20130114SK6-0	
LAND FILE:	
DATE: 13/04/17	
EPASS: 10042272	