

**REGISTRATION PURSUANT TO
PART X, ENVIRONMENTAL ASSESSMENT,
ENVIRONMENTAL PROTECTION ACT, FOR
A PROPOSED LINE EXTENSION, BOY
SCOUT ROAD CABIN AREA, GEORGE'S LAKE.**

NAME OF UNDERTAKING:

Aliant Telecom BKMB 50-24 Cable Route, George's Lake.

PROPONENT:

(i) Name of Corporate Body:

Newfoundland Power Inc.

(ii) Address:

83 West Street
Corner Brook, NF.
A2H 2Y6

(iii) Supt. Regional Engineering, Western Region:

Name: Ralph Mugford
Official Title: Supt. Regional Engineering, Western Region
Telephone No.: (709) 637-7802

(vi) Principal Contact Person for purposes of environmental assessment:

Name: Harry Penney
Official Title: Engineering Technician
Telephone No.: (709) 637-7821
Fax No.: (709) 637-7815
Email: hpenney@newfoundlandpower.com

THE UNDERTAKING:

(i) Nature of the Undertaking:

Line extension for Aliant Telecom's new aerial BKMB 50-24 cable and 10m strand between Coleman's Cove and Boy Scout Road, George's Lake. Newfoundland Power will complete all work required to install poles and 10m strand. Aliant Telecom will install BKMB 50-24 cable.

(ii) Purpose/Rationale/Need for the Undertaking:

This project consists of installing approximately 1.7 kilometres of aerial BKMB 50-24 cable from Coleman's Cove to the Boy Scout Road cabin area at George's Lake. This initiative is required to provide telephone service to the cabin owners in this area.

DESCRIPTION OF THE UNDERTAKING:

(i) Geographical Location:

(a) Proposed Route

The cable will be placed on a new pole line extending between Coleman's Cove and Boy Scout Road (approx 1.7 km), at George's Lake.

(b) Alternate Route

The cable route, selected for this project, reflects the most expedient and economic route, from an existing cable interface to the cabins in the proposed service area.

(ii) Physical Features **BKMB 50-24:**

Aliant Telecom will operate the proposed overhead BKMB 50-24 cable and 10m strand from Coleman's Cove to Boy Scout Road at George's Lake. The system consists of 10-15 metre high, single pole, pressure treated (Chromated Copper Arsenate) wood structures with BKMB 50-24 cable and 10m strand, attached approximately six metres above the ground. A typical structure is shown in Appendix B. The average span will be about 70metres.

The cleared width of the right-of-way will extend approximately 5.4metres, 2.7 metres either side of centerline.

(iii) **Construction:**

(a) **Construction Schedule:**

Contract forces will carry out construction over a three month period. This project is scheduled to begin with surveying and brush clearing in February 2003. Erection of the poles is to begin in February 2003, for a completion date of March 2003. Installation of BKMB cable begins after all poles have been installed, for a completion date of April 2003.

(b) **Construction Activities:**

The major construction activities associated with the line include:

- a) Surveying;
- b) Clearing;
- c) Pole installation;
- d) Material handling;
- e) Framing of structures;
- f) Strand and cable placement;
- g) Clean up and rehabilitation.

(c) **Potential Sources of Pollutants:**

The potential sources of pollutants during the construction phase include siltation of waterbodies and hydrocarbon leakage from construction equipment. **All equipment will be inspected routinely to minimize the probability of hydrocarbon (i.e. gasoline, diesel fuel and lubricating oil) leaks occurring.** Appropriate buffer zones will be maintained and construction activities will include the use of silt screening and vegetation stabilization at any distributed areas, to mitigate the effects of siltation. Permits will be obtained from the Water Resources Division, Department of Environment and Fisheries and Oceans, Canada for all work near waterbodies. The contractor will be responsible for restoring and cleaning up the route to a level that is acceptable to Newfoundland Power, Aliant Telecom and affected governmental departments.

(d) Potential Resources Conflicts:

A ground survey will be conducted to determine the location of structures in relation to waterbodies and wetlands.

Protected Water Supply Areas are not located in the project area.

One brook crossing has been identified as a scheduled Atlantic Salmon River (Pinchgut Brook), as shown on the enclosed 1:50,000 mapping. Pole placement is planned at about 16metres from the edge of the brook. Therefore, little, if any, impact on water quality or disruption of habitat is anticipated. The aerial crossing of Pinchgut Brook will be achieved without equipment entering or bridging the water body. An authorization application for works or undertakings affecting fish habitat has been forwarded to Fisheries and Oceans, Canada. Unscheduled waterways are not present along the proposed route. Fording will not be required during construction. Aerial crossings of waterways will be achieved by utilizing existing Boy Scout Road.

Site restoration and clean up will include landscaping and site repair measures such as; filling, repairing and stabilizing ground conditions before and after pole installations, reseeding or resodding areas which previously consisted of grass or sod, and repairing or replacing fences, road surfaces and other structures impacted during construction.

(e) Operation:

The new pole line will be constructed across the point of land between Coleman's Cove and Boy Scout Road. The crossing of Pinchgut Brook will be near both the Boy Scout camp and the road extension to the cabin area.

(iv) Maintenance

(a) Maintenance Activities:

Pinchgut Brook need not be crossed during maintenance activities as the line at that location can be accessed by both Coleman's Cove and Boy Scout Road.

(b) **Potential Sources of Pollutants:**

Potential sources of pollutants will be limited to those that may result from the use of all-terrain vehicles along the line during routine maintenance. All equipment will be inspected routinely to minimize the probability of hydrocarbon (i.e. gasoline, diesel fuel, and lubricating oil) leaks occurring.

(c) **Potential Resources Conflicts:**

Aliant Telecom undertakes an Integrated Vegetation Management Program to manage vegetation within communication line rights-of-way. This program involves manual cutting of brush and the application of herbicides, depending on the particular section of right-of-way to be managed. An Integrated Vegetation Management Plan requires follow up every five (5) to ten (10) years depending on the location in the Province. All vegetation management activities are undertaken subject to approval from the Pesticide Control Section, Department of Environment and adherence to Part IX, Pesticides Environmental Protection Act, and associated Regulations.

(v) **Occupations:**

The occupations required to construct this undertaking are:

- a) Civil engineers;
- b) Electrical engineers;
- c) Engineering technicians;
- d) Land surveyors;
- e) Heavy equipment operators;
- f) Drillers and blasters;
- g) Line workers;
- h) Ground workers; and
- i) Labourers.

It is anticipated that one or two crews of three people each will be performing pole placements, using muskegs, excavators and ATV's.

(vi) Approval of the undertaking:

The following is a list of permits, approvals and authorizations which may be necessary for the proposed project:

- a) Undertaking approval issued by the Minister of Environment;
- b) Cutting permit – Forestry Division, Department of Forest Resources and Agri-Foods;
- c) Certificate of approval for watercourse crossings – Water Resources Division, Department of Environment;
- d) Easement rights for pole line over Crown Land – Lands Branch, Department of Government Services and Lands;
- e) Letters of Advice – Fisheries and Oceans, Canada;
- f) Approval under the Navigable Waters Protection Act;

APPROVAL OF THE UNDERTAKING:

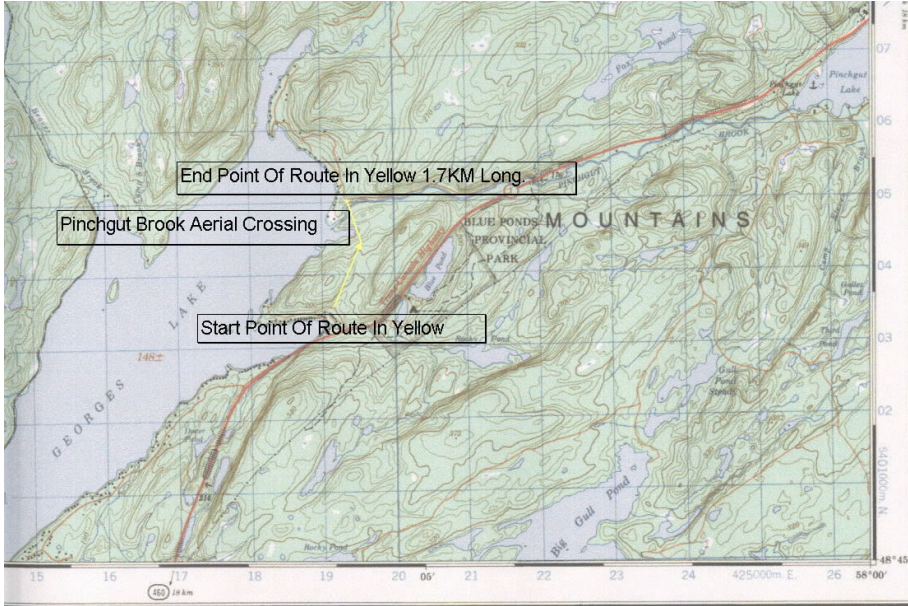
SCHEDULE:

The proposed start date for this undertaking is February 4 , 2003. See construction schedule section.

Date

Supt. Regional Engineering

Appendix A
Proposed route from Coleman's Cove to Boy Scout Road, George's Lake



1:1 = 0.45 km
 Baritech-QV-Navigator

<http://www.qvnav.com>
 Exclusive Canada/USA Representative:
 "ANGVO Inc.", Antoine Salathé
 56 rue des Villars, JOR 1C0
 Ville de St-Léonard, QC / Canada
 tél: (450) 439-8885
 fax: (450) 439-8433
 email: qvnav@quadnet.ca
<http://www.qvnav-canada.com>
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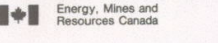
Main Distributors:
 AXB 551, rue Ontario Est
 Montréal, Québec
 QC H3B
 Tél: (514) 843-8116
 Tél: 1-888-843-1116
 Fax: (514) 843-9644
 Carinaux

WORLD OF MAPS
 499 2^e St. 277^e North - 75^e St. 47^e 55 785^e West, WGS84
 1235 Wellington Street, Ottawa, Ontario Canada K1Y 3A3
 Phone: (800) 226-8524, (613) 724-8774 (OTW43)
 Fax: (606) 897-9969, (613) 724-7774 (OTW43)

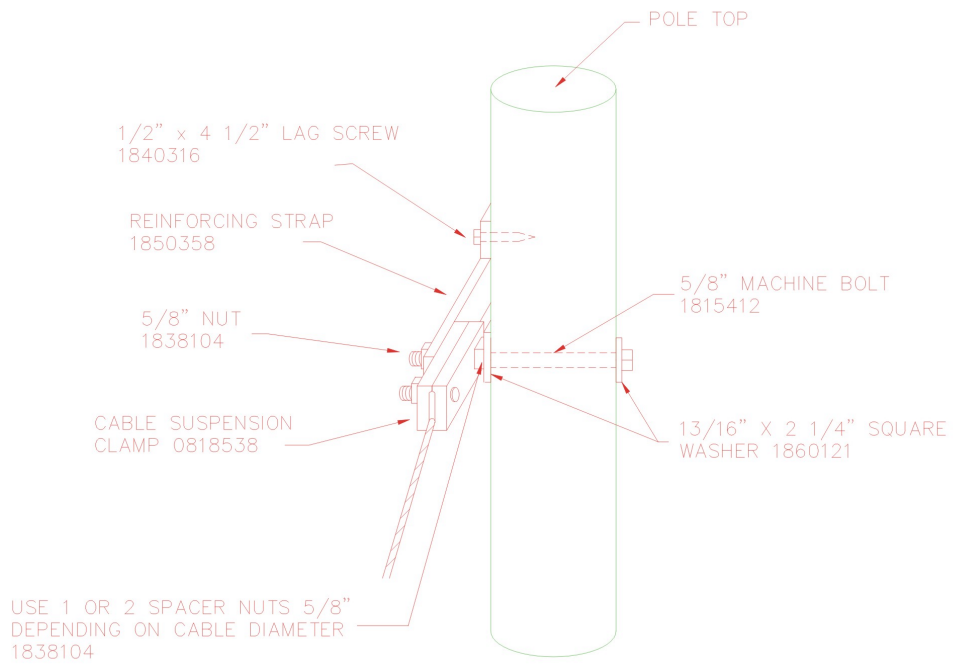
M. Francis Kelly Ltd.
 P.O. Box 5713, 5 Gulf Ave., ACC 199 St. John's
 Newfoundland Canada, 47°52'28"N/52°43'22"W/WGS84
 Tel: (709) 579-8273, Fax: (709) 579-5102
 Toll Free: 1-877-953-5599 (Atlantic Canada only)
<http://www.mfkelly.com/> e-mail: mfkelly@mfkelly.com

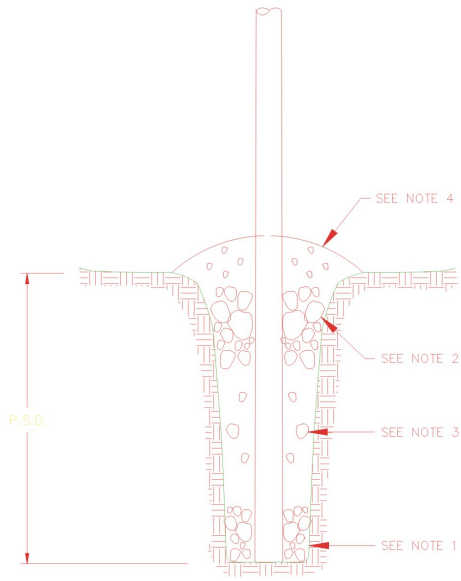
48°15'	17°00'	12 G1	12 N4
		12 B15	12 A13
		12 B16	12 A12
		12 B16	12 A12
48°30'	17°30'		

Produced by the Canada Centre for Mapping
 DEPARTMENT OF ENERGY, MINES AND RESOURCES
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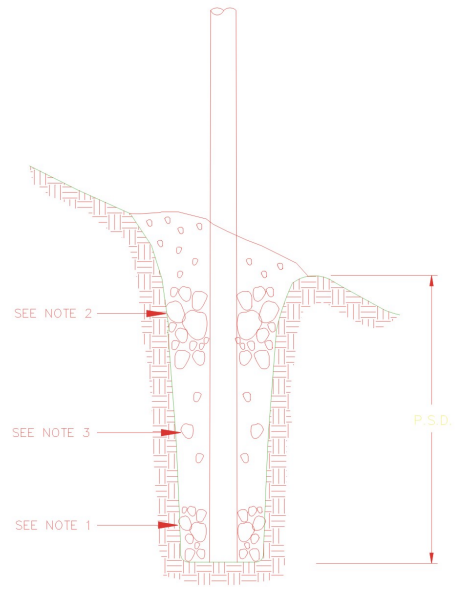


Appendix B
Typical Single Pole Structure





LEVEL TERRAIN



SIDE HILL TERRAIN

POLE SETTING DEPTH P.S.D.	
POLE HEIGHT FT.	MIN. SETTING DEPTH METERS (FT.)
25	1.37 (4 1/2)
30	1.52 (5)
32 1/2 & 35	1.68 (5 1/2)
40	1.83 (6)
45	1.98 (6 1/2)
50	2.13 (7)
55	2.29 (7 1/2)
60	2.44 (8)

NOTES:

1. POLE SHALL HAVE A FOOTING OF 230mm (9") OF ROCK.
2. POLE SHALL HAVE A COLLAR OF 230mm (9") OF ROCK.
3. EARTH FILL SHALL BE PLACED IN 230mm (9") LAYERS AND THOROUGHLY TAMPED.
4. EXCESS FILL SHALL BE MOUNDED AROUND POLE UNLESS IN A LANDSCAPED AREA.
5. HOLES DUG BY BACKHOE SHALL ALWAYS BE DUG WITH THE LINE.

13/16" X 2 1/4"
SQUARE WASHER
1860121

NUT AND WASHER BEHIND
STRAP AS SPACER
1838104

REINFORCING STRAP
1850358

2 5/8" NUT AND
WASHER AS SPACER
1838104

CORNER SUSPENSION
CLAMP 1835200

Z GUY HOOK
1835200

GUY

POLE TOP

CURVED WASHER
1860231

5/8" X 12" MACHINE
BOLT 1815412

CURVED WASHER
1860231

CURVED WASHER
1860231

5/8" X 12" MACHINE
BOLT 1815412

