



SENES Consultants Limited

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33830

28 October 2004

Ms. Liz Munt
1640 Sunnyside Rd.
Kingston, Ontario
K7L 4V4

**RE: Utilities Kingston – Proposed Pipeline Environmental Assessment Study
Conflict of Interest**

Dear Ms. Munt,

Thank you for your interest in the project and your response in the form of a questionnaire. Your participation is appreciated.

Upon review of your comments relating to the study, it is apparent that you are concerned that a resident of Sunnyside Rd. who lives along the preferred route is on the project and route selection team. This letter is intended to address this concern.

SENES has been retained by Utilities Kingston to prepare an Environmental and Socio-Economic Impact Assessment, including route selection process, for a proposed natural gas pipeline in the Kingston area. The company is an independent party and is retained specifically to select the preferred route based upon a number of factors. As such, staff of Utilities Kingston may have input to the decision but the decision is that of SENES.

For the northern portion of the route, which is at question in this matter, SENES contacted a number of agencies, interest groups and government officials for input on proposed alternatives. The criteria used in choosing the alternatives were the following:

- Using, to the best extent possible, current rights-of-way;
- Least disruption to traffic and for safety purposes, avoiding Highway interchanges;
- Avoiding, to the best extent possible, natural areas, including wetlands, extensive areas of vegetation, Areas of Natural or Scientific Interest, and Environmentally Significant Areas;
- Minimizing social disruptions;
- The shortest route from the Glenburnie Gate Station to the Industrial Park; and,
- Regulatory concerns (from agencies);

As such, based upon our starting point at the Glenburnie Gate Station, the Preliminary Preferred Route chosen avoided interchanges at Sydenham Road to the west and Perth Rd. to the east. In addition, the route follows existing road rights-of way and areas of low traffic congestion. The preliminary preferred route is also the shortest route and encounters the least amount of vegetation removal and avoids numerous areas containing natural features.

Finally, there is no added benefit to the residents of Sunnyside to have a pipeline along the road since the area is a Union Gas Service Area and as such, Utilities Kingston is regulated against providing gas service to the area.

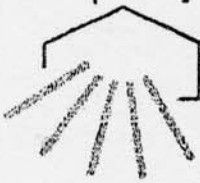
I would be happy to discuss this issue further with you should you require additional feedback.

Yours very truly,

SENES Consultants Limited

A handwritten signature in black ink, appearing to read "J Muraca". The signature is written in a cursive, flowing style with a large initial "J" and a long, sweeping underline.

Joseph Muraca, M.E.S. (D.B.Env), PEA, CEPIT
Environmental Scientist



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 www.Utilitieskingston.com

TO:	Rob Gerritsen, Conservation Lands Coordinator CRCA	Fax Number 547-6474
FROM:	Jim Miller, Manager Utilities Technical Services Ext. 2475	Fax Number
Date: November 1, 2004	Number of Pages 4	Hard Copy to follow yes

Comments:
 Rob, Please find attached our letter outlining the gas pipeline project, some background information and our request for consideration by the Authority to grant an easement for this infrastructure.

Please confirm the time, date, and location for your Board meeting.

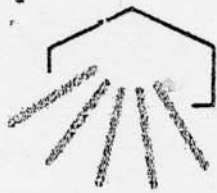
Regards,

Jim Miller, Manager Utilities Technical Services

cc. Joe Muraca, Senes Consulting Limited

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October 29, 2004

Cataraqui Region Conservation Authority
P.O. Box 160
Glenburnie, Ontario K0H 1S0

Attention: Rob Gerritsen,
Conservation Lands Coordinator

**RE: Natural Gas Line Feed
City of Kingston
Acquisition of Easement
Our File: E11-14-2004**

Recently staff at the CRCA, Utilities Kingston and Senes Consulting attended at the westerly boundary of the Authority's property to walk a potential alignment for a new natural gas line feed into the City of Kingston. We appreciate the time taken and the comments/discussion to date.

Utilities Kingston represents the City of Kingston regarding the management and operation of the natural gas distribution system within our service area boundary. The existing gas feed (from Glenburnie southerly along Perth Road/Division Street) is approximately 45 years old and is the only source of gas supply for about 11,000 customers. Utilities Kingston wants to establish a second supply line to enable operational flexibility and systems planning for gas within the City. At this time we would like to formally request consideration by the Authority of an easement to accommodate the planned infrastructure. To assist in the early evaluation of this proposal by the Authority, I would like to offer the following background information.

Along the westerly limits of the conservation authority property (off of Sunnyside Road exists an old logging lane/fire break. This corridor runs in a generally north-south direction from the southerly limit of the lands, north of the Hwy 401, to a point where it starts to generally run in the direction of Sunnyside road, then eventually meets with the former concession road. This is shown on the attached drawing by a solid black line.

At its narrowest, this path (road) is 6 to 7m wide and is generally clear of any mature vegetation except near the Sunnyside Road area. We are proposing that the new gas line be installed in this corridor. Construction activities could be undertaken without removing anything other than perhaps some undergrowth. On the drawing a dashed line from Sunnyside Road to meet with this logging road represents a path that was mapped utilizing GPS. This location does have challenging grades but would be conducive to pipeline construction with minimal disruption to the vegetation. Some clearing would be required, but it might be possible to construct without removing any large trees.

Crossing Hwy 401, if approved by MTO, would require enabling some method of bringing equipment off the highway onto the south side where the ground is at its highest and driest. A drill would then go northerly under the highway and southerly into an existing City of Kingston easement running behind the properties along Binnington Court.

The gas line proposed for the easement is a 12" steel pipe which is required to meet all safety and technical standards applied by various regulatory bodies to transport natural gas at intermediate to high pressures (450-500 psi). By comparison the national pipelines which are also steel are at 900 psi. The pipe is installed about 1.2 meters deep to the top of pipe with a trench width of 1 meter. As with other pipe lines use of the property after installation is generally not that restrictive. Vegetative replanting is usually not an issue provided large trees are prohibited, farming uses can continue, passive recreational activities (trails etc) are not a problem either. The only significant concern would be activities requiring excavation on or near the pipe line. Crossing the pipe line with equipment is generally not an issue either.

Future activity (by Utilities Kingston) along the route is generally minimal. In this case periodic inspections of the pipe line (on foot given the terrain) would occur such as checking on cathodic protection or visual markers. In cases where repair or maintenance would be required the type of equipment would generally be of back hoe/truck nature.

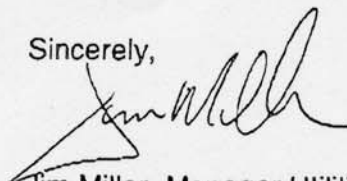
Following construction, remediation of the disturbed area would occur. As to the appearance and future use of this alignment, if it were to be returned to its original condition, any operations of either the CRCA or Utilities Kingston would go unhindered. The only restrictions needed would be to leave a pathway for emergency access, i.e. no permanent structures or foliage large enough to prevent small (tractor mounted) construction equipment. A requirement of the leave to construct with the Ontario Energy Board is to monitor the remediation efforts for a complete growing season and a final report with the OEB.

We would also like to recognize that as this would represent an acquisition of interest in property by the City, normal procedures would be undertaken to determine fair market value, obtain surveys etc at our expense.

In summary, by utilizing the existing concession road and an existing trail inside the Conservation Area this project could be completed with very minimal clearing or disruption to the natural vegetative conditions. The concession road would need to be modified to allow access but following construction could be returned to almost original state and possibly gated if desired to prevent any intrusion. At this time 10m wide easement along the western most edge of the Authority's property would be sufficient to accommodate our needs for the pipeline and would represent the limits of any "restrictions" as noted above.

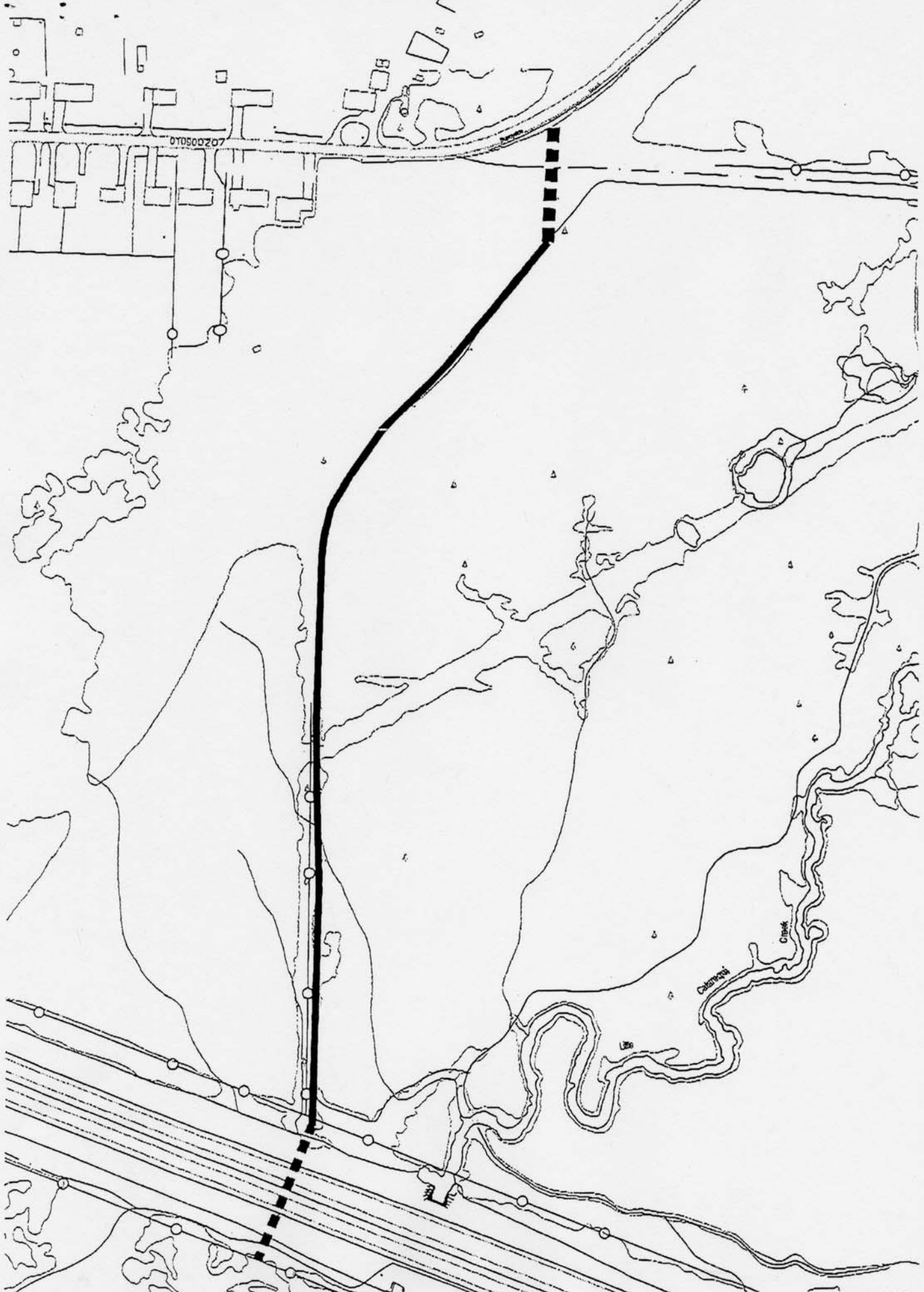
We would appreciate the Authority's consideration of this proposal and we are available to answer any questions or provide further clarification as required. In the interim please feel free to contact Dale Sopha, Engineering Assistant, or the undersigned.

Sincerely,



Jim Miller, Manager Utilities Technical Services

cc. Jim Keech, President & CEO Utilities Kingston
dd. Joseph Muraca, Senes Consultants Limited



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North York, Ontario
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Fax

To: Joe Mauraco **From:** David Zeit

Fax: 905-764-9386 **Pages:** 4

Phone: 905-764-9380, ext 404 **Date:** November 4, 2004

Re: Utilities Kingston Gas Main **CC:**

- Urgent For Review Please Comment Please Reply Please Recycle

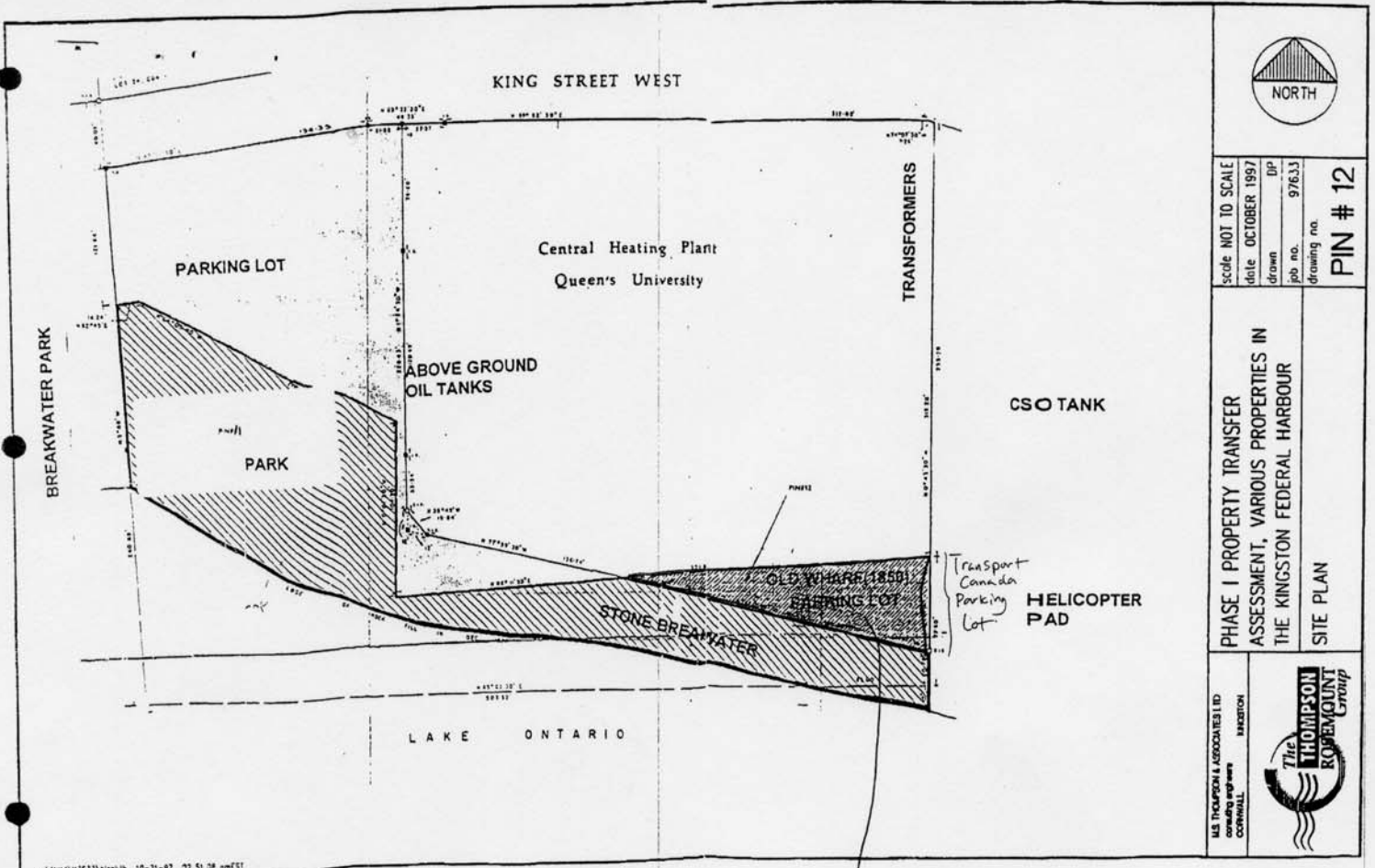
• **Comments:**

Dear Mr. Mauraco,

As discussed during our telephone conversation, I am sending you a site plan showing Transport Canada's property adjacent to the Queen's University Central Heating Plant. Please note that this property is *not* indicated by the hatched area on the plan (labeled PIN#11 park and stone breakwater). Rather, it is the darkly shaded triangular area on the southeast corner of the heating plant, labeled PIN #12, Old Wharf (1850), parking lot. I hope that this plan will transmit legibly by fax. If it does not, please let me know and I will send you a copy by mail. I have also included a photograph of the site, although this does not indicate the property boundaries and, again, the quality may be poor once faxed.

Sincerely,

David Zeit
Environmental Officer
416-952-0507



100-04-2004 16:52

416 952 2514

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33830

Ms. Sharon Critchley
Conservation Chair
Kingston Field Naturalists
P.O. Box 831
Kingston, Ontario
K7L 4X6

RE: Kingston Area Reinforcement Pipeline

Dear Ms. Critchley:

I was pleased to meet you at our public meeting held in the Glenburnie Fire Hall so that I could explain our rationale for selecting the Preliminary Preferred route and the type of mitigation measures that would ensure that the critical features and functions of the wetland would not be negatively impaired.

Our rationale for selecting the Preliminary Preferred route (from the Glenburnie Gate Station to the tie-in with the Clyde Industrial Park) over the Perth Road alternative was that:

- It is one kilometre shorter in length;
- It uses less travelled roads – the Perth Road has heavy traffic volumes, increasing the possibility of traffic disruptions;
- Both alternatives have a crossing of Little Cataraqui Creek. The Preliminary Preferred Route also crosses a tributary of the Little Cataraqui Creek near Sunnyside and Bur Brook Roads. The Perth Road alternative uses Dalton Avenue for most of its length, which has significantly disturbed the wetland complex;
- The Ministry of Transportation objects to the pipeline being constructed in Highway 401 interchanges. This requires the Perth Road Alternative to cross the Knox Farm property. In addition to the possibility of encountering potentially contaminated lands, a greater area of forest clearing is involved;
- The preliminary Preferred Route only crosses publically-owned land while a small amount of private land is crossed on the Perth Road Alternative, and
- The existing supply main for the City of Kingston runs along the Perth Road. There are system and security advantages to having the pipelines located in different geographic areas.

33830

November 12, 2004

Letter to Sharon Critchley (Continued)

Page 2

I would like to address the points mentioned in your letter.

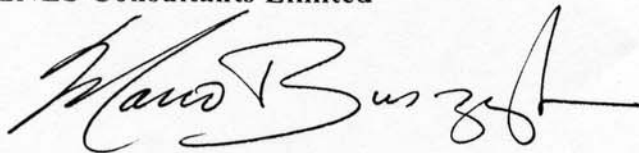
The pipeline will not be trenched through the Provincially Significant Wetland complex. A location has been identified which presents a narrow crossing of the Little Cataraqui Creek. The pipeline will be installed under the creek through directional drilling or boring, so that the creek and adjacent riparian areas are not disturbed. I am enclosing some pictures illustrating this process.

As part of the mitigation, a spring/early summer habitat assessment will be carried out prior to construction. Should any new information come to light from this survey, it will be incorporated into the mitigation plans. We are recommending that construction in this area should take place in the late summer, to take advantage of the driest weather. This will also take us out of the breeding season for most flora and fauna.

We will notify you when the environmental report is available for review. If you have any further questions, I would be pleased to discuss them with you.

Yours very truly,

SENES Consultants Limited



Mario Buszynski, M.Sc., M.C.I.P.
Manager, Environmental Assessment
And Energy Projects