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## TRENCHLESS TECHNOLOGY SAVES VICTORIA TAXPAYERS

David J. Myles, AScT.

<sup>1</sup> Manager of Underground Operations, City of Victoria Engineering Department.

**ABSTRACT:** The City of Victoria, British Columbia has an aging infrastructure that dates back to 1864. Victoria, also known as the City of Gardens, has over 14 000 sewer laterals and 10 000 storm drain laterals. Trenchless Technology has assisted the Engineering Department in protecting the environment while replacing and rehabilitating this aging infrastructure. The use of Trenchless Technology has helped us realize considerable savings compared to traditional methods.

In 1999 the Engineering Department purchased its first lateral relining system from a local contractor. The City experimented with this system and then upgraded to the Perma-liner lateral lining system. This system has allowed us to rehabilitate laterals that run underneath trees or gardens and paved surfaces with a minimum of damage and disruption. The past three years have shown that the savings of relining a lateral are anywhere from 50 – 75 percent of the traditional open cut method. It is anticipated that in the next year we will be able to increase our savings as we begin to reline laterals through the cleanout and avoid any excavation at the property line.

Building on these successes, the City has recently purchased its own pipe bursting equipment for replacing laterals. We have been able to recover the cost of the equipment based on our savings in just the first two projects. Trenchless Technology continues to serve the citizens of Victoria well and we expect to expand its use in the future.