



Case History

DETAILED DESIGN AND CONSTRUCTION

**SPERLING
HANSEN
ASSOCIATES**

Rock Quarry Design - Hartland Landfill

The Capital Regional District required that the rock quarrying operation be coordinated with the development of Cell 2 and the closure of Cell 1 within a four year period.

- *Quarry expected to provide 381,053 m³ of aggregate for road base, drainage blankets, leachate collectors, daily and intermediate cover over initial three years, and a total of 650,000 m³ over the life of the quarry.*
- *Creation of additional airspace will extend landfill lifespan by approximately four years.*
- *Additional airspace will provide \$28.7 million in tipping fee revenue.*

Capital Regional District Contact: Chris Riddell (250) 727-3331

Project Budget: \$10 000



SPERLING HANSEN ASSOCIATES

#8-1225 East Keith Road, North Vancouver, B.C.

Phone (604) 986-7723 Fax (604) 986-7734

E-Mail: sperling@sperlinghansen.com

- **Landfill Siting**
- **Landfill Closure**
- **Hydrogeological Investigation**
- **Environmental Monitoring**
- **Design and Operations Plans**