



## Case History

### DETAILED DESIGN AND CONSTRUCTION

**SPERLING  
HANSEN  
ASSOCIATES**

#### Engineering Services for Whistler Landfill Expansion

- *The Resort Municipality of Whistler was constructing a new lined landfill cell between existing municipal and DLC landfills.*
- *SHA's provided the design drawings, tender specifications and construction inspection.*
- *Design included HDPE membrane lining system, 250 mm perforated pipe leachate collection system, and 750 mm stream diversion culvert.*
- *Unique micro-tunnel designed to provide gravity flow of leachate through bedrock ridge to leachate force main.*

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**Project Budget \$75,000.**



**SPERLING HANSEN ASSOCIATES**  
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- **Landfill Siting**
- **Landfill Closure**
- **Hydrogeological Investigations**
- **Environmental Monitoring**
- **Design and Operations Plans**