



Case History DESIGN AND OPERATIONS PLAN

**SPERLING
HANSEN
ASSOCIATES**

City of Vancouver - Filling Plan for Phase 3

The City of Vancouver retained Sperling Hansen Associates to prepare a comprehensive Design and Operations Plan for the Phase 3 operational area. The work included:

- *Panning of landfill development on a lift by lift basis with detailed design of landfill gas collection & leachate management infrastructure to be installed in each lift.*
- *Detailed direction of filling, optimal locations of access routes for each lift, lift capacity & waste to cover ratio.*
- *Prepare Phase 3 for future closure so that all required ditching & toe berms would be constructed out of refuse in advance rather than from costly fill material after landfilling operations completed.*
- *Allow progressive closure and landfill gas collection to be implemented at a faster rate the Phase 3 operational area was divided into two, Phase 3 West and Phase 3 East.*
- *SHA staff worked very closely with the City of Vancouver front line supervisors to ensure that their extensive on-site experience was incorporated into the plan.*

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Project Budget: \$101,700



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