

1.2 PROJECT OVERVIEW

The landfill cap was designed to suit the following criteria:

- Control stormwater infiltration in order to minimize leachate
- Prevent erosion of the landfill refuse material
- Provide stormwater controls for surface water runoff
- Provide adequate venting of landfill gases
- Isolate the landfill refuse from the surrounding environment.

The cap consisted of three separate types (see Figure 2):

1. Type "A", a paved driving surface, located at the LDO area.
2. Type "B", a grass surface, located on the slopes, berms, and a portion of the top of the landfill.
3. Type "C", a gravel driving surface, located on the top of the landfill.

The three layers consisted of the following, from top to bottom:

Type "A"	Type "B"	Type "C"
1.5" asphalt top course	9" topsoil	6" crushed stone
2.5" asphalt binder course	12" drainage layer	9" driving surface subgrade
6" driving surface subgrade	40-mil geomembrane	reinforcing geotextile
reinforcing geotextile	6" gas venting material	9" drainage layer
12" drainage layer	existing intermediate cover	40-mil geomembrane
40-mil geomembrane		6" gas venting material
6" gas venting material		existing intermediate cover
existing intermediate cover		