

## project case history

North America's Leader in Geosynthetic Contracting

**project name:** Hyland Landfill

**location:** Angelica, NY

**installation date:** August 2007

### Challenge

Hyland Landfill Associates managed to secure permits to expand their current landfill operation. The permit allows for future expansion up to forty acres of landfill capacity. The new construction involved a large excavation for the yearly expansion, construction of a new landfill cell, leachate collection area and waste to energy facility.

### Solution

Terrafix installed a multi-layered Geosynthetic barrier system for the new ten acre cell area and leachate facility. The system contained two layers of 60 mil textured HDPE geomembrane, geocomposite, geosynthetic clay liner (GCL) and geotextile. The new cell was attached to the previous cell. Great care was taken in the construction and field testing to ensure it was as close to leak free as possible. Currently the cell is operating well above acceptable levels.





The first layer of the geocomposite for groundwater collection is deployed directly on top of the natural clay.



Once the secondary collection geocomposite is installed by Terrafix, the contractor begins to add the structural fill

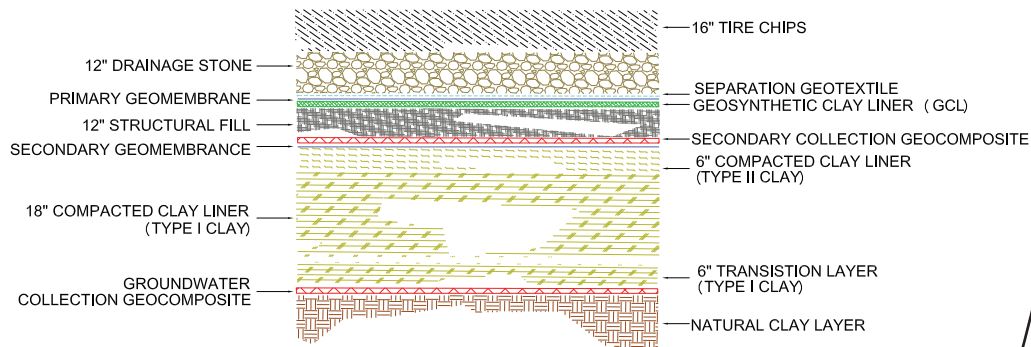


Terrafix provided a self-contained and dedicated crew to deploy, weld and test the 60 mil textured HDPE geomembrane.



A separator geotextile is placed directly on top of the geomembrane to protect it from the 12" drainage stone layer.

### Multi-Layer Barrier System



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