



Construction-Level Designs for Multiple Landfills

EIL prepared numerous construction-level designs over a 10+ year period for a client responsible for multiple landfill sites.

Implementation of continuous improvement processes over that time period led to higher quality, smoother construction, and greater efficiency

Client: Waste Management of Illinois

Location: Envirofil Landfill, Five Oaks RDF, and Peoria City/County LF No. 2

Developed detailed construction-level plans for Subtitle D landfill cells at several sites over a multi-year period. Drawings addressed the following:

- Landfill cell grading and stockpiling
- Base liner materials
- Final cover systems
- Overlay liners and slope caps
- Surface water management features
- Leachate management piping and sumps
- Gas collection and control system features
- Site infrastructure such as berms, perimeter access roads, etc.
- Construction material quantities

Prepared detailed drawings with construction layout information that could be directly downloaded to surveyor's equipment to facilitate layout and minimize human error.

Paid particular attention to coordination of different components of cell (anchor trench, surface water ditches, gas header, temporary leachate sumps, access roads) to minimize conflicts.

