

Landfill Construction Drawings and Contract Documents

Prepared detailed construction-level designs for 13 separate modules of the landfill over a 20+ year period.

Engaged in continuous improvement processes to streamline construction documents, reduce construction costs, and minimize change orders.

Client: Confidential
Location: Western US

Total lined area constructed to date is over 260 acres.

Prepared detailed drawings with construction layout information that could be directly downloaded to surveyor's equipment to improve layout accuracy and reduce costs.

Developed construction-level details to address complex liner terminations and connections to previously built modules.

Compiled complete contract documents, including bid forms, contract forms, technical specifications and construction quality assurance plans.

Developed interim refuse fill plans and detailed slope stability analyses of interim fill grades.

Evaluated optimal module areas based on predicted incoming tonnage to balance efficient use of capital and operational needs.

Coordinated interface shear testing of geosynthetics to be used in base liner system. Ensured that interface testing was representative of field conditions, and results were applied defensibly in calculations.

