



Landfill Master Plan, Permit Application and Construction-Level Design

EIL updated the site's master plan to improve road access, reduce earthwork multiple handling, improve poor weather operations, and reduce maintenance and operating costs.

Innovative frost protection concepts improved daily operation and maintenance and reduced earthwork, saving time and money.

Client: Confidential
Location: Western US

Applied innovative frost protection concepts that reduced O&M costs and reduced earthwork.

- Extruded polystyrene insulation was used to keep the temporary gas and leachate piping systems from freezing with only 6 to 12 inches of soil cover.

Designed leachate disposal pipe system to prevent landfill gas build-up in the sanitary sewer.

Updated site's gas curve and performed a network analysis of existing and proposed gas piping

- Confirmed existing bottlenecks and allowed site to focus repair dollars on locations that provided best bang for the buck.

Master Phasing Plans produced long-term cost savings from improved:

- base and final grade configurations;
- phasing plans that reduce multiple soil movements and improve bad weather operations;
- gas system phasing; and
- leachate/condensate handling.

Other Work included:

- permit and construction level plans;
- calculations including storm water modeling;
- technical specs & CQA Plan; and
- CQA.

