



## Project Profile



When a major Oil and Gas Facility owner began looking for ways to reduce construction costs on their proposed Cold Lake area plant, they turned to Contain Enviro Services Ltd. to suggest the solution. The original design incorporated precast concrete berms which were not only costly to produce, they were extremely expensive to transport and install on site. As a cost and time saving alternative, Contain Enviro Services Ltd. suggested the use of a fully engineered, 33", 44" and 57" high, unposted Zero Ground Disturbance, corrugated steel containment system.

The proposed steel alternative incorporated an innovative liner design to address any cathodic protection issues on site. And by utilizing a heavier gauge of material, the system was value engineered to offer not only the mechanical strengths and robust design required for the site (the largest being a 100ft by 400ft area), but delivered a cost effective alternative saving both time and money.

The project included several other challenging design features such as a with three steel sides and one earthen wall to better facilitate truck traffic in and around the tanks as well as several unforeseen wall penetrations and site alterations which were all easy to accomplish, given steels ability to be cut and altered on site.