



## PROJECT PROFILE:

## DEWATERING

A material handling facility consisting of a 100' x 200' x 20' deep concrete storage area with pits extending 10' - 15' below the storage area floor.

### PROBLEM:

How to economically dewater the site which was a sand fill area with a high water table along the Calumet River

### INNOVATIVE SOLUTION:

The key to making this work was the decision to go with a bentonite slurry wall which ran around the perimeter of the work area & extended down 20' through the sand into a layer of clay. This encased the work area in a clay bowl.



Well points were then installed to pump the water out of the sand. Over a four month period, as the work progressed, all of the water within the bowl area was pumped out, enabling work to continue without further dewatering.