

PROJECT PROFILE:

MATERIAL HANDLING BUILDING

Foundation/containment walls for a 125' x 160' material handling facility on a site that is a sand fill of former Lake Calumet located along the Calumet River



PROJECT HIGHLIGHTS:

Dewatering: perimeter slurry wall to isolate the project area with an interior well point system to bring the water level from 4' down to 15' below grade

Concrete: 3,800 CY of concrete consisting of 15,000 SF of 2.25' thick floors, three 15' deep sloped pits, 600 lineal feet of 20' tall battered walls and 6,500 SF of a heavily reinforced elevated truck unloading slab

Reinforcing steel: 270 tons of rebar

Embedded steel: 24,000 pounds of embedded plates and angles for attachment of material handling equipment

Environmental: an HDPE liner wrapping under the 3 deep pits and under the floor slabs for complete containment and 60,000 SF of liner for a storm water detention pond