



Grenshaw Substation Civil/Site Engineering...

Clients: Kenny Construction, Sargent & Lundy

Owner: ComEd, An Exelon Company

HBK Engineering, LLC assisted with the civil/site engineering for the Grenshaw Substation located adjacent to the Chicago River, Polk Street and Roosevelt Road. This substation is a key transmission switching station that will improve reliability to the Chicago Central Business District. The project included analysis of existing site topographies and conditions, site grading and storm water detention, and the design of an oil containment system.

Other project stats included:

- Application of Existing Utilities (O.U.C.)
- Final Design and Contract Plans
- Topographic Surveys
- Record Drawings
- Standard specifications and estimates
- Chicago Department of Water Management Approval Required
- ComEd Internal Design Review

The Chicago Department of Water Management required storm water detention after initial design review. Detention was not part of the discussions during initial meetings for this project, so HBK had to adjust to and work around this new requirement. The Grenshaw Substation was completed in May 2006.

