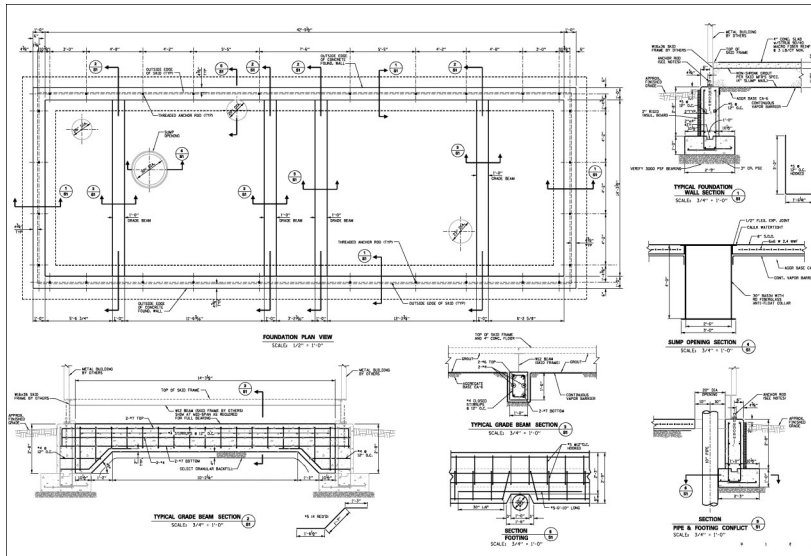


Client: Grunau Company, Inc.

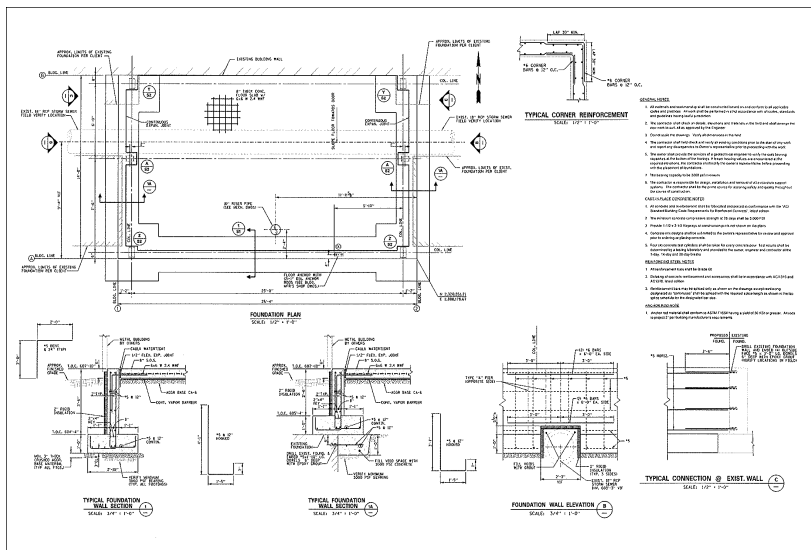


Detailed Foundation Plans

Foundation design was required for the fourteen valve housing structures required for the fire protection upgrade project at the U.S. Steel Gary Works facility. All design work was a rapid fire fast track of a building per week to keep up with the Contractor and prepare for coke battery expansion of 2013.

Rempe-Sharpe:

- ◆ Provided planning and value engineering cycle
- ◆ Designed pier, perimeter foundation wall and footings for each structure.
- ◆ Provided detail reinforcing and provided specifications sheets
- ◆ Reviewed reinforcing shop drawings for foundations and concrete mix design.
- ◆ Provided site inspections during construction phase.



For New Fire Loop Valve Houses

Rempe-Sharpe designed foundations and enclosure structures which was coordinated with complex utility project at the U.S. Steel Gary Works Facility in 2013. All structures were custom "fit" into a dense site of one of the world's largest and highest volume steel mills. This project upgraded and moved site utilities to allow major expansion of the coke facility to proceed.

Construction Cost: \$4.36 million

REFERENCE:

Jim Flook
Grunau Company, Inc.
412.269.1950

