

Civil • Structural



A diverse group of people and experience give Perigon's Structural / Civil Department the ability to tackle all your project needs. Whether you are looking at beginning a green field project requiring site development and facility design or a major structural retrofit of an existing facility to accommodate an equipment upgrade, our engineers are ready to provide practical yet innovative solutions to bring your project in on schedule and budget. That's experience you can count on!

See below for more detailed list for our capabilities.

Secondary Containment

- Per 40 CFR Protection of Environment
- Watertight Systems
- Chemical Resistant Waterstops
- Type K Shrinkage Compensating Cement
- Chemical Resistant Liners
- Passive Leak Detection Systems

Building Superstructures

- Steel Frame Structures / Reinforced Concrete Slabs
- Metal Deck and Checker-Plate Flooring
- Office / Warehouse / Lab Facilities / Structural Steel Skids
- Pre-Engineered Buildings, Stick Build, and Tilt-Up Construction
- Three-Dimensional Structural Analysis and Design
- Finite Element Analysis

Building Foundations

- Single & Multi-Story Process Buildings
- Isolated Spread Footings
- Combined and Mat Foundations
- Piles / Caissons / Drilled Piers

Equipment Foundations

- Reciprocating Machinery designed for Dynamic Loading
- Stack and Tower Foundations
- Existing Foundations for New Loadings

Site & Yard Design

- Erosion Control
- Rough and Finish Grading
- Cut and Fill
- Underground Utilities
- Paving and Parking
- Landscaping
- Railroad Track Layout and Railcar Unloading Stations
- Truck Unloading Stations
- Storm Water Management Plans

Wastewater Treatment Facilities

- Design of Trickling Filters, Neutralization Tanks, Equalization Tanks, and Ancillary Buildings

Software: Staad, Ramsteel, PCA Mats, EnerCacl, AutoCad, Microstation, HydroCad, PDMS, Adobe Photoshop and Illustrator