



CIVIL ENGINEERING SITE EVALUATION AND DESIGN



Civil engineering affects every part of our lives. With civil engineering, we manage water and wastewater, develop roads, enhance industries, and build cities. Most importantly, civil engineering must protect people and the environment. From storm water runoff to waste removal to economic considerations, there are multiple challenges. Project success requires in-depth evaluations and effective designs.



Science & Engineering Consultants

An effective design can catapult a project to regulatory approval.

Civil engineering should enhance infrastructure and industry while protecting people and the environment. There's a lot at stake, with economic and regulatory considerations at the forefront. Evaluation, planning, and designing require the right team and an innovative approach.

SynTerra engineers provide a broad range of design and consulting services to developers, manufacturers, mining operations, utilities, and governmental agencies. We take projects from initial local, state, and federal permitting through conceptual and detailed design, concluding with construction oversight. SynTerra civil and geotechnical engineers — working with our environmental engineers and geochemists — develop effective designs that result in successful regulatory approvals.

SYNTERRA CAPABILITIES FOR CIVIL ENGINEERING

Conceptual planning

- CAD and GIS data visualization
- Software-generated 3D site plans
- Site development feasibility studies
- Preliminary grading and drainage plans
- Preliminary site development cost opinions

Due diligence services

- Phase I and Phase II site assessments
- Wetlands delineation
- Geotechnical subsurface exploration
- Asbestos and lead-based paint assessments

Permitting services

- Land disturbance and erosion control
- Stormwater Pollution Prevention Plan (SWPPP)
- Spill Prevention, Control, and Countermeasure (SPCC) Plan
- Air compliance and permitting
- U.S. Army Corps of Engineers
 - Individual permitting
 - Nationwide permitting

Construction administration

- Civil engineering construction plans
- Bidding assistance
- Construction oversight

