

Sigma is Your Single Source for Civil Engineering Services

CLIENT-TAILORED SOLUTIONS

Sigma's civil engineering approach is simple: Deliver timely, cost-effective projects that meet our clients' needs. First, we develop an understanding of our clients' priorities, then deliver a service to facilitate our clients' needs. We apply this approach throughout all phases of a project from initial site feasibility and due diligence studies to project completion.

Sigma offers a complete range of civil engineering services for commercial, industrial, residential and municipal development and infrastructure projects:

Site Development Services

- ▶ Initial due diligence and feasibility studies
- ▶ Site layout planning
- ▶ Site erosion control plan/permitting
- ▶ Site grading/drainage plans
- ▶ Paving plans/pavement structure design
- ▶ Site utility plans
- ▶ Storm water management plans/reports/permitting
- ▶ Earthwork calculations
- ▶ Coordination of site geotechnical investigations
- ▶ Wetland delineations coordination
- ▶ Sustainable site design (LEED® accredited professionals)

Utility Design Services

- ▶ Public water main, sanitary sewer and storm sewer design/permitting
- ▶ Private site utility design/permitting
- ▶ Coordination with private utilities

Waterways

- ▶ HEC-RAS flood plain analysis
- ▶ WDNR Chapter 30 Waterway permitting



Sigma knows civil engineering

Sigma employs appropriate techniques to facilitate development in the most efficient manner possible.

Storm Water Management Planning/Design

- ▶ Modeling
- ▶ Conveyance systems design
- ▶ Best Management Practices
- ▶ Maintenance plans
- ▶ Site infiltration evaluations
- ▶ NR 216 Notice of Intent submittals/permitting

Transportation Planning/Design

- ▶ Traffic impact studies
- ▶ Public and private roadway design
- ▶ Pavement structure design
- ▶ Public presentations/involvement

Geotechnical Investigation Coordination

- ▶ Foundation, floor slab and pavement structure recommendations
- ▶ Site preparation/engineered fill recommendations
- ▶ Storm water infiltration site evaluations

Services Offered During Construction

- ▶ Documentation preparation and bidding
- ▶ Management/administration
- ▶ Oversight/inspections and material testing
- ▶ Close-out inspections and documentation

CONTACT SIGMA TODAY FOR YOUR CIVIL ENGINEERING NEEDS

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