



## Sustainability Services Provided:

- Charrettes - to identify green building goals & strategies
- Sustainable Advisory
- LEED Certification Assistance
- Customized Workshops & Training
- Sustainable Site Assessment
- Development Density Studies
- Brownfield Verification
- Sustainable Transportation Solutions
- Stormwater Management Planning
- Heat Island Reduction
- Site Light Pollution Reduction
- Water Efficient Irrigation Studies
- Building Water Reduction Solutions
- Strategies for Improving Energy Performance
- Renewable Energy Solutions
- Building Reuse Studies
- Construction Waste Management
- Materials Research and Specifications
- Indoor Air Quality Improvements
- Construction Indoor Air Quality Improvements
- Daylighting Solutions

## S U S T A I N A B I L I T Y

The Mannik & Smith Group, Inc. is committed to providing real world “Green Building” solutions to our clients. We have the experience to help you implement sound environmental decisions into your projects that are economically feasible and make good business sense.

Our sustainable design professionals have been working with the US Green Building Council’s LEED Rating System for developing high performance buildings since its inception. We are focused on helping our clients design and construct environmentally friendly, energy-efficient buildings that comply with the latest LEED standards.

### Certifications and Affiliations:

- Members of the American Institute of Architects (AIA)
- Members of the US Green Building Council (USGBC)
- Members of the Engineering Society of Detroit (ESD)
- LEED Accredited Professionals
- Registered Architects
- Board Members to the Detroit Regional Chapter of the USGBC



## QUALITY & INTEGRITY

The Mannik & Smith Group, Inc. is an award winning consulting engineering firm built on quality and integrity. The firm provides environmental consulting, geotechnical and civil engineering, surveying, landscape architecture, transportation engineering, and construction support for public and private clients, specializing in the implementation of sustainable solutions in all projects.

At MSG we are strongly committed to the quality of the built environment and sustainable practices, and have incorporated sustainability into every service area we provide since the beginning of the environmental movement. Our team finds creative ways to integrate sustainability into any type of project – from site development to major transportation corridors – without compromising aesthetics, schedule, or budget.

Our in-house practices ensure we adhere to the same standards of sustainability we recommend to our clients, so much so that when we built our new LEED registered Canton office, we made sure that everything from the on-site storm water management system to the dual flush toilets and environmentally friendly carpets, paints, and finishes creates long-term value for our employees and the environment.

MSG served as the engineering consultant for several showcase green building projects including the Ford Rouge Complex, Fairlane Green Retail Center, and the Toyota Research & Development Campus.

### Multiple offices to better serve your projects in the Heartland Region:



Canton, MI	(734) 397-3100
Cleveland, OH	(216) 278-1490
Columbus, OH	(614) 406-9222
Detroit, MI	(313) 309-3244
Lansing, MI	(517) 316-9232
Maumee, OH	(419) 891-2222
Monroe, MI	(734) 289-2200

[www.manniksmithgroup.com](http://www.manniksmithgroup.com)

## MSG's multi-discipline service portfolio includes:

### Civil Engineering / Landscape Architecture

#### Site Development

- Industrial, Commercial & Residential Site Design
- Site Planning - Concept & Feasibility Studies

#### Utility Design

- Storm, Sanitary & Water System Design
- Pump Station Design
- GIS Mapping

#### Right of Way Acquisition

- Real Estate Research
- Negotiations
- Appraisals
- Relocation Assistance

#### Transportation

- Roadway / Highway Design
- Bridge Design & Inspection
- Highway Lighting Design
- Traffic Planning & Engineering
- EA / EIS Corridor Planning
- Context Sensitive Solutions

### Surveying Services

- Property Surveys - ALTA
- Construction Layout & Staking
- Topographic Surveys

### Environmental Consulting

#### Environmental Engineering Services

- Environmental Site Assessments
- Permitting & Compliance
- Remediation
- Brownfield Redevelopment
- Waste Management / Landfills

#### Cultural Resources

- Archaeological Surveys & Mitigation
- Historic Resources Assessment & Compliance

#### Ecological Resources

- Wetland Delineation, Permitting & Mitigation
- Threatened & Endangered Species Surveys
- Ecological Assessments
- Botanical Surveys

### Geotechnical Engineering

- Geotechnical Investigation & Testing
- Geotechnical Analysis & Recommendations
- Hydrogeological Studies
- Subsurface Explorations

### Construction Engineering

- Construction Management & Inspection
- Laboratory Testing
- Field Construction Materials Testing