

Martin D. Shields, PE, LEED®, CHMM
President – Shields Engineering Group, Inc.

SHORT BIOGRAPHY

Mr. Shields is President of Shields Engineering Group, Inc. in Atlanta, GA. He is a registered professional engineer in several states, and holds a Masters of Civil Engineering. His experience includes the various aspects of civil engineering analysis and design, project management, engineering administration, construction management, and the supervision of technical staff. He has been responsible for the preparation of technical proposals, feasibility studies, design reports, construction drawings, and specification packages, and has submitted reports and sealed construction drawings to various local, state, and federal agencies.

In addition to being a principal and responsible design engineer to his firm, he provides expertise to municipalities and law firms on a variety of projects, including the design and construction of healthcare, university, primary education, corporate, multi-family, and senior living projects, erosion and control documents and failures, and residential and commercial construction deficiencies.

AREAS OF EXPERTISE

- Master Land Planning
- Due Diligence / Site Evaluation Design
- Onsite Sewage Management Systems
- Civil Construction Documents
- Erosion and Control Documents
- Permitting of Construction Documents
- Engineering Deficiencies
- Utility Relocation and Extension Engineering
- Storm Sewer System Design
- Stormwater Management Design
- Hydraulic and Hydrology Analysis
- Flood Plain Management
- Project Planning and Scheduling
- Construction Administration
- LEED® and Earthcraft Guidelines and Construction
- Earthwork Construction and Quality Assurance
- Stream Restoration
- Environmental Site Studies
- Hazardous Waste Assessments
- Environmental Remediation
- Regulatory Permitting
- Ground Improvements for Civil Construction
- Haag Certified Commercial Roofing Inspections

EDUCATION

*Master of Civil
Engineering,
University of Florida,
1990*

*Bachelor of Civil
Engineering,
University of Florida,
1988*

CERTIFICATIONS

Registered
Professional Engineer
in the States of
Georgia, Alabama,
Florida, North
Carolina, South
Carolina, Tennessee,
Louisiana; LEED^{AP};
Registered Soil
Scientist; Certified
Hazardous Material
Manager; Level II
Certified Erosion and
Control Design
Professional; USACE
Construction Quality
Management
Certification; 40-Hour
Health and Safety
Training; 8-Hour
Hazardous Waste Site
Supervisor/Manager
Training; Haag
Certified Commercial
Roofing Inspector

YEARS OF EXPERIENCE

22

Expert Witness Resume

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AFFILIATIONS

Member – American Society of Civil Engineers; Council for Quality Growth, Atlanta Section; Board Member (2006 – present) – Druid Hills Golf Club.

PUBLICATIONS

“Dynamic Testing of Drilled Shafts”, Co-authored by F.C. Townsend, J.F. Theos and M.D. Shields, ADSC: Association of Foundation Drilling, 1991.

“Ongoing Design-Build Remedial Action at the Virginia Properties Superfund Site,” Georgia Society of Professional Engineers, Atlanta, 1998.