

Curriculum Vitae  
**JAMES EDWARD ROTHROCK, P.E.**

**Geotechnical Engineer**  
**Structural Engineer**  
**Neutral Evaluator**

9780 Wild Oak Drive  
Windermere, Florida 34786  
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**EXPERIENCE**

1999 to Present

**Windermere Engineering Services, Inc.**

**Vice President**

*Windermere, Florida*

Consultation in forensic engineering, soils and foundation (geotechnical) engineering, and civil-structural engineering on projects throughout Florida and southeastern U.S. Expert witness testimony in forensic evaluations of building and subsurface failures. Forensic studies include: forensic explorations of subsidence issues and building distress resulting from sinkhole activity and various soil and groundwater phenomena; preparation of plans and specifications for repairs to foundations and the deep subsurface; surveillance of sinkhole repair and construction activities. Geotechnical explorations also include: recommendations relative to building foundation design and construction; pavement condition studies and roadway design; and stormwater/surface water management facilities. Supervise construction projects and field/site engineering personnel. Serves as a Neutral Evaluator for alternative dispute resolution of sinkhole-related insurance claims (see also Page 2).

Concurrently:

2005 to Present

**Western Earth Technologies, Inc.**

**Chief Financial Officer**

*Windermere, Florida*

Exploratory drilling of the subsurface employing rotary wash drilling and the Standard Penetration Test. Related evaluation of near-surface soils, groundwater levels, and pavement components. Sinkhole repairs of the deep subsurface, including installation of steel grout casing, Portland cement grouting of the deep subsurface, expanding polyurethane foam ("chemical") grouting and auxiliary support of structures employing "mini" or "micro" pile systems. General construction contracting and building construction services.

1992 to 1999

**Universal Engineering Sciences**

**Senior Project Engineer**

*Orlando, Florida*

Consultation in soils and foundation engineering, and forensic engineering, on diverse projects throughout Florida and southeastern U.S., including building foundation design and construction; water management facilities; sinkhole exploration and remediation; environmental and hazardous waste investigations; and landfill design and closure. Supervised design and construction projects and field exploration/engineering assignments. Coordinated/marketed engineering services with client consultants and contractors.

Concurrently:

1988 to 2003

**US Army Reserves, 416th Engineer Cmd. and 81st Army Reserve Command** **Civil Engineer**  
*Atlanta, Georgia and Orlando, Florida* **(Retired; Military Rank to Major)**

Responsible for environmental and facilities engineering support of client Army Reserve Command. Directed the performance of engineering surveys, energy reviews and environmental assessments at reserve centers. Prepared architect-engineer scopes of work and engineering work requests. Supervised the preparation of inspection reports/cost estimates. Provided technical liaison between reserve centers and Army Reserve Command. Directed mobilization/contingency planning and training, and performed staff administrative duties.

1989 to 1992

**Walt Disney World Design & Engineering**

**Project Engineer**

*Lake Buena Vista, Florida*

Responsible for civil and environmental engineering and multi-disciplinary design of diverse projects and clients on the Walt Disney World property. Supervised design of multi-disciplinary and site/civil design projects by staff and subconsultants including reports and construction documents; wetlands and environmental permitting; coordinated resident engineering; negotiated contracts for design services and construction changes; budget analysis and control; prepared contracts and proposals. Coordinated work and market engineering services with clients.

1986 to 1989

**Dames & Moore**

**Project Engineer**

*Atlanta, Georgia*

Responsible for consultation in soil/foundation and forensic engineering, environmental engineering and hazardous waste investigations; managed field engineering/research studies; supervised site reconnaissance and subsurface explorations; performed resident engineering/construction surveillance.

Managed project design by staff and subconsultants; negotiated contracts, managed subcontractors; budget control; prepared reports, contracts, design documents and proposals. Coordinated work with clients; marketing.

1981 to 1986

**US Army Corps of Engineers, Baltimore Engineer District**

**Project Manager/Engineer**

*Baltimore, Maryland*

**(Military Rank to Captain)**

Project Manager responsible for management of design of military facilities totalling \$41 million construction value. Directed performance of environmental impact assessments (EIAs) at military installations. Negotiated design contracts; funds control; assisted clients in project planning.

Assistant to Area (resident) Engineer, responsible for managing \$9 million military construction work, including training/test facilities and military housing. Contract negotiation/administration/ management; funds control; analyzed construction claims; field engineering. Performed design and constructibility reviews on projects totalling \$93 million construction value; authored interagency construction agreement; performance emergency management tasks.

**EDUCATION**

▼ **Georgia Institute of Technology**, Atlanta, Georgia:

• *Masters of Science of Civil Engineering*, 1980; Emphasis Geotechnical; Average 3.6/4.0.

• *Bachelors of Civil Engineering*, 1979, Cooperative Plan, with Highest Honor;

Graduated top 5% in class of 2333; Average 3.7/4.0.

▼ **Anniston High School**, Anniston, Alabama, 1974; Graduated Valedictorian in class of 389.

**ACHIEVEMENTS**

▼ Professional Engineer No. 47102, Florida, 1993.

▼ Licensed Real Estate Broker, Florida, 2004, and Salesperson, Florida, 1998.

▼ Graduate of US Army Engineer Officer Advanced Course, 1990.

▼ Recipient, US Army Achievement, Commendation and Meritorious Service Medals for service, for quality of design and construction projects and for disaster response following Hurricane Andrew.

▼ Retired from US Army Reserves at the rank of Major in 2003.

**AFFILIATIONS**

▼ Member, American Society of Civil Engineers (past Editor of *Civil Engineering in Georgia*; Chairman, Geotechnical Committee, Central FL Branch, 1996-7), and Reserve Officers Assn.

▼ Appointed as a Neutral Evaluator with the Florida Department of Financial Services.

**FOCUS on**

**RECENT**

**PROJECT**

**EXPERIENCE:**

Since forming *Windermere Engineering Services, Inc.* in 1999, Mr. Rothrock performed expert witness testimony and forensic/sinkhole explorations for diverse insurance companies and also on behalf of individual homeowners. About 1,500 such projects have been performed to date. Additionally, continues to provide other geotechnical and civil engineering services to a wide range of consultants, developers, engineers, architects and other governmental/private entities.

*Western Earth Technologies* represented a natural progression from professional engineering services to the supporting roles of field explorations and the implementation of repairs. In addition to the tasks performed for *Windermere Engineering Services*, Mr. Rothrock also has served many other clients, including insurance companies, engineering and geological consulting firms and individual property owners with the necessary evaluation and repair methods and techniques.