



RESUME OF

**EDRED T. MARSH**

DIVISION DIRECTOR AND PARTNER

---

EMPLOYMENT HISTORY

1999 - Present           Principal Geotechnical Engineer  
**AMERICAN GEOTECHNICAL, INC.**  
San Diego, California

1990 -1999               Project/Senior Engineer  
**AMERICAN GEOTECHNICAL, INC.**  
San Diego, California

1988 -1990               Staff Engineer  
**AMERICAN GEOTECHNICAL, INC.**  
San Diego, California

1988                       Engineering Assistant/Laboratory Manager  
CITY OF CORONADO  
Coronado, California

1987 -1988               Student Engineer

EDUCATION

San Diego State University  
San Diego, CA  
B.S. in Civil Engineering

POST GRADUATE  
STUDIES

Advanced Foundation Engineering  
Advanced Soil Mechanics  
Open Channel Hydraulics  
Waste and Wastewater Engineering  
Research Project on the Effect of Partial Wetting on Compacted Fills

Edred T. Marsh  
Page 2

EXTENDED STUDIES    Soil Compaction Techniques  
Selection and Use of Pier Systems for Foundation Underpinning  
Stability and Performance of Slopes and Embankments II  
Design and Construction of Geosynthetic Reinforced Earth Retaining Walls  
Geosynthetics Application and Design  
Cone Penetration Testing  
Strengthening of Concrete Structures with Carbon Fiber Strips  
UNLV - Concrete Problems, Investigative Techniques, Causes and Solutions  
ACI - Troubleshooting Concrete Construction Problems

PROFESSIONAL REGISTRATIONS    State of California, Registered Geotechnical Engineer, G.E. 2387  
State of California, Civil Engineer, R.C.E. 50315  
State of Nevada, Civil Engineer, R.C.E. 12149  
State of Colorado, Civil Engineer, R.C.E. 33623  
State of Arizona, Civil Engineer, C.E. 41710

PROFESSIONAL AFFILIATIONS    American Society of Civil Engineers  
Chi Epsilon National Civil Engineering Honor Society  
ACI - American Concrete Institute  
PTI- Post-Tensioning Institute  
ASTM International

#### PROFESSIONAL EXPERIENCE SUMMARY

Mr. Marsh is the Division Director/Partner and Principal Geotechnical Engineer for American Geotechnical's San Diego and Las Vegas offices. During the course of his professional career, he has become an accomplished leader in the fields of geotechnical, civil, and forensic engineering. He has been involved with projects throughout the southwestern United States. Projects have included hillside developments, deep fill, expansive soil and other sensitive soil sites, infrastructure design and construction consulting, liquefaction and dynamic soil evaluations, slope stability, and landslide evaluation and stabilization, construction material corrosion assessments, concrete problem evaluations, and moisture intrusion studies, among others.

Management responsibilities primarily include training and supervising the engineering, geology, and support-level staff, supervising our soil laboratory, maintaining quality control and necessary licensing and educational information, reviewing proposals and reports, and planning and directing geotechnical and forensic investigations.

Technical abilities include an extensive knowledge of soil mechanics and foundation engineering, and the latest problem-solving techniques and experience related to settlement and expansive soil influence, analysis and design of earth retaining structures, landslide and slope stability, soil dynamics and earthquake engineering, subsurface exploration, soil sampling and in-situ testing, field instrumentation, moisture intrusion and drainage problems, pavement and concrete problems, among other items.

Because of his expertise in geotechnical engineering and other related subjects, Mr. Marsh frequently

Edred T. Marsh  
Page 3

gives educational presentations for both public and private groups and serves as a professional expert for dispute resolution.

### PUBLICATIONS

"The Importance of Communication in the Geotechnical Industry," *Condo Management*, 1992.

"Tri-Axial A-Value Versus Swell or Collapse For Compacted Soils," *American Society of Civil Engineers, Journal of Geotechnical Engineering*, July 1995.

"Common Causes of Retaining Wall Distress: Case Study," *American Society of Civil Engineers, Journal of Performance of Constructed Facilities, Technical Council on Forensic Engineering*, February 1996.

"Seepage and Salt Deposition at the Toe of a Fill Slope," *Environmental & Engineering Geoscience*, Spring 1996.

"Damage and Distortion Criteria for Residential Slab-on-Grade Structures," *American Society of Civil Engineers, Journal of Performance of Constructed Facilities, Technical Council on Forensic Engineering*, July 1999.