



EDRED “TOM” MARSH
Principal Geotechnical Engineer/Partner

EMPLOYMENT HISTORY

1988 – Present **AMERICAN GEOTECHNICAL, INC.**
San Diego, California

1988 **CITY OF CORONADO**
Coronado, California

PROFESSIONAL REGISTRATIONS

State of California, Registered Civil Engineer, No. 50315, Issued January 29, 1993
State of Nevada, Registered Civil Engineer, No. 12149, Issued May 17, 1996
State of California, Registered Geotechnical Engineer, No. 2387, Issued February 20, 1998
State of Colorado, Registered Civil Engineer, No. 33623, Issued June 11, 1999
State of Arizona, Registered Civil Engineer, No. 41710, Issued November 9, 2004
State of Utah, Registered Civil Engineer, No. 9634699-2202, Issued January 12, 2016
State of Texas, Registered Civil Engineer, No. 125647, Issued January 27, 2017
State of Florida, Registered Civil Engineer, No. 82806, Issued April 4, 2017
State of New Mexico, Registered Civil Engineer, No. 23961, Issued April 25, 2017
State of South Carolina, Registered Civil Engineer, N. 37319, Issued October 21, 2019

PROFESSIONAL AFFILIATIONS

ACI – American Concrete Institute
ASCE - American Society of Civil Engineers
ASTM – American Society for Testing and Materials International
Chi Epsilon National Civil Engineering Honor Society
PTI – Post-Tensioning Institute
CalGeo – California Geotechnical Engineering Association
NCEES – National Council of Examiners for Engineering and Surveying
FEWA – Forensic Expert Witness Association



EDUCATION

B.S. Civil Engineering from San Diego State University, San Diego, California

Post-Graduate Studies

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

Extended Studies (Partial List)

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

SUMMARY OF EXPERIENCE

Mr. Marsh is the Principal Geotechnical Engineer for American Geotechnical's San Diego, Sacramento 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, and pavement and concrete problems.

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

"Hydrogeology and Remediation of Shallow Groundwater conditions in Henderson, Las Vegas Valley, Nevada" AEG News, July 2007.



REPRESENTATIVE PROJECTS

RESIDENTIAL

Project	Location	Description
Club De Soleil	Las Vegas, NV	Multi-Unit Timeshare Development
Coke Street and Maggie Avenue Residential Development	Clark County, NV	20 Lot Residential Development and Associated Improvements
Hidden Glen Estates	El Cajon, CA	20 Lot Residential Development and Associated Improvements
La Costa Condominiums	La Costa, CA	42 Unit Condominium Development and Associated Improvements
Olive Hill Estates	Bonsall, CA	31 Lot Residential Development and Associated Improvements
Omni Court Residential Development	Las Vegas, NV	4 Lot Residential Development and Associated Improvements
Pointsettia Development	San Marcos, CA	61 Lot Residential Development and Associated Improvements
Sea Ranch Estates	Encinitas, CA	12 Lot Residential Development and Associated Improvements
Stanley Avenue and Kell Lane Apartment Development	Las Vegas, NV	40 Unit Apartment Development and Associated Improvements
Washington Hills	Escondido, CA	122 Lot Residential Development and Associated Improvements
Whispering Sands Development	Las Vegas, NV	22 Lot Residential Development and Associated Improvements



COMMERCIAL/ INDUSTRIAL/ INSTITUTIONAL

Project	Location	Description
Albertsons Retail Center	Vista, CA	Retail Shopping Center and Associated Improvements
Bigelow Aerospace Campus	North Las Vegas, NV	Aerospace Facility and Associated Improvements
Detention Basin - City of North Las Vegas	North Las Vegas, NV	Detention Basin
Folsom Factory Outlet	Folsom, CA	Outlet Shopping Mall and Associated Improvements
Foothill Shopping Center	Vista, CA	Retail Shopping Center and Associated Improvements
Haleva Commercial Development	Clark County, NV	Commercial Park and Associated Improvements
Lake Mead Commercial Park	North Las Vegas, NV	Commercial Park and Associated Improvements
New Hope Baptist Church	San Diego, CA	Church Structure and Associated Improvements
Pahrump Fire Station	Pahrump, NV	Fire Station and Associated Improvements
Red Rocks Fire Station	Red Rocks, NV	Fire Station and Associated Improvements
Roosevelt Avenue Hotel Project	National City, CA	Hotel Structure and Associated Improvements
William C. Herrick Community Medical Library	La Mesa, CA	Library and Associated Improvements

INFRASTRUCTURE

Project	Location	Description
Black Canyon Road and Sutherland Dam Connector Road	Escondido, CA	Roadway Expansion/Construction for the Reservation Transportation Authority
Elsinore Treatment Plant	Lake Elsinore, CA	Regional Water Management Facilities and Associated Improvements
Guatay Water Transmission Line Project - USDA	Guatay, CA	Construction of Waterline and Associated Improvements
Naval Training Center	San Diego, CA	Buildings and Associated Improvements
Navy Communications Tower	Point Loma, CA	Cabrillo Point Communications Tower
San Pasqual Reservation Roadway	Valley Center	Roadway Expansion and Associated Improvements
SAWPA Temescal Valley Regional Interceptor Project	Lake Elsinore and Corona, CA	SAWPA Sewer Pipeline Project and Associated Improvements
Temescal Valley Water Line Project	Lake Elsinore and Corona, CA	5 Reaches of the TVRI Waterline Pipeline Project and Associated Improvements



SPECIAL PROJECTS/ AWARDS

Type	Location	Description
Contributor/ Founder	North Las Vegas, NV	Las Vegas Earth Fissure Preserve Southwest Section, Association of Environmental and Engineering Geologists
Guajome Ranch House Restoration Project	Oceanside, CA	California Preservation Foundation Design Award
Honorable Mention CAL GEO 2009/2010	San Clemente, CA	Seaview Estates Landslide Repair
Leo Cabrillo Ranch Restoration Project	Carlsbad, CA	Historic Site Restoration Project
Outstanding Project Award	Palm Desert, CA	Palm Desert YMCA Hydroconsolidation Treatment Project

LANDSLIDE EVALUATIONS

Project	Location
Arroyo Avenue/ Comanche Street Landslide	Oceanside, CA
Big Rock Mesa Landslide	Malibu, CA
La Costa De Marbella Landslide	La Costa, CA
Mira La Paz Landslide	Rancho Bernardo, CA
Navajo Park Landslide	San Diego, CA
Niguel Summit Landslide	Laguna Niguel, CA
Oceana Mission Landslide	Oceanside, CA
Pegasus Landslide	Anaheim Hills, CA
Seaview Estates Landslide	San Clemente, CA

EARTHQUAKE EVALUATIONS

Project	Location	Evaluations for
1994 - Northridge Earthquake (M _w 6.7)	Northern Los Angeles County, CA	Aetna, State Farm, Auto Club and Republic Insurance
2010 - Easter Earthquake (Sierra El Mayor EQ M _w 7.2)	Imperial County, CA	Farmers Insurance and Parkside Condominiums



LITIGATION - DEFENSE

Case Name	Site Location	Representing
347 Romona v. 505 Hamilton	Palo Alto, CA	Builder/ Developer
Agharahimi v. Centex Homes	Temecula, CA	Grading Contractor
Aguilera v. Fiesta Homes	Romoland, CA	Builder/ Developer
Ashby v. AAA Paving	Riverside, CA	Builder/ Developer
Birch v. Custom Home Builders	Pacific Palisades, CA	Builder/ Developer
Bishop v. CNH Homes	San Jacento, CA	Builder/ Developer
Black Mountain Ranch HOA v. Champion Homes, Inc.	Henderson, NV	Concrete Contractor
Buddy York v. Dunmore Homes	Las Vegas, NV	Concrete Contractor
Burch v. Custom Home Builders	Pacific Palasades, CA	Builder/ Developer
Calicho v. KB Home	Fontana, CA	Grading Contractor
Carlisle v. Pardee	Las Vegas, NV	Design Professional/ Geotechnical Engineer
Carson City Freeway Pase 1B, NDOT - Contract 3154	Carson City, NV	State Institution
Chandler Home	Las Vegas, NV	Pool Contractor
Chateau Calais/ LA Pacific Center	Henderson, NV	ADR case
Converse Consultants/ Horizon Communities	Las Vegas, NV	Design Professional/ Geotechnical Engineer
Daniel Lerner Legend Homes	Los Angeles, CA	General Contractor/ Builder
Deharo v. DR Horton	Beaumont, CA	Grading Contractor
Desert Collection	Indio, CA	Builder/Developer
Desert Pine Villas - KB Homes	Las Vegas, NV	ADR case
Desert Pine Villas - Picerne	Las Vegas, NV	ADR case
Eskridge v. Centex Homes	Mira Loma, CA	Grading Contractor
Ezele v. Reynen & Bardis	Rancho Murieta, CA	Grading Contractor
Flum v. Khovnanian	Corona, CA	Grading Contractor
Gothic v. Rinker	Las Vegas, NV	Grading Contractor
Jasmine Ranch - Common Areas	North Las Vegas, NV	ADR case
Kasbar v. Taylor Woodrow Homes	Chino Hills, CA	Grading Contractor
Lennar v. Consol	Henderson, NV	Builder/ Developer
Logan v. Capitol Pacific Holding	Murrieta, CA	Grading Contractor
Lynbrook Master Association v. The Gate LLC.	Las Vegas, NV	General Contractor



LITIGATION - DEFENSE

Case Name	Site Location	Representing
Mammoth Mountain (NAC v. Speiss Construction)	Mammoth Lakes, CA	General Contractor
MCP Industries v. Vadnais Corp.	Huntington Beach, CA	Design Professional/ Geotechnical Engineer
Monarch Estates HOA	Las Vegas, NV	ADR case
Moon v. Meadow Ridge	Las Vegas, NV	Builder/ Developer
Palay/ Bureau Veritas	Carlsbad, CA	Design Professional/ Geotechnical Engineer
Pippin Residence	Henderson, NV	Grading Contractor
Redburn v. JD Nelson Homes	Parkville, MO	Grading Contractor
Sari McNamee v. Kampgrounds of America	Las Vegas, NV	Personal Injury
Sun City Summerlin	Las Vegas, NV	Grading Contractor
Tanamera v. Fleur De Lis HOA	Reno, NV	Concrete Contractor and General Contractor
The Desert Collection	Indio, CA	Builder/ Developer
Tracy v. Halter Brothers	Henderson, NV	General Contractor
Van Daele Development Corp	Riverside, CA	Builder/ Developer
Wilshire Vermont	Los Angeles, CA	Design Professional/ Geotechnical Engineer



LITIGATION - PLAINTIFF

Case Name

Site Location

Agresta v. Elkhorn Partners	Las Vegas, NV
Alcantara v. Palm Gardens	Las Vegas, NV
All American Golf Center v. Bentar Development	Las Vegas, NV
Allen/Autry v. KB Home Nevada	North Las Vegas, NV
Anthem Country Club v. Terravita Homes	Henderson, NV
Aspen Hills 2	North Las Vegas, NV
Balle v. Carina	Las Vegas, NV
Boddin Chung vs. California Pacific	San Diego, CA
Brookside Master Asn. V. Matthews Home, Inc.	Stockton, CA
Chambers v. Maya, LLC. DbA Avante Home	North Las Vegas, NV
Charles Heppler v. Nationwide Mutual Ins. Co.	San Diego, CA
Colorado Bay Club Owners Asn. v. Durable Homes, Inc.	Laughlin, NV
Copper Hill Condominium v. Ryland Homes of California	Livermore, CA
Dawson v. T&E Limited	Las Vegas, NV
Eddie Aguilar v. Westwind Mobile Home Park	West Sacramento, CA
El Escorial Owners Asn. V. Santa Barbara Villas	Santa Barbara, CA
Forman v. Caliber One Indemnity Co.	Henderson, NV
Friendly Village	Long Beach, CA
Gilardini v. D.R. Horton	Sparks, NV
Hasan Ali v. Wildflower North	El Centro, CA
Highland Glen Homeowners Asn. V. Beazer Homes Holdings Corp.	Henderson, NV
Howard vs. Pardee Homes of Nevada	North Las Vegas, NV
Huntington Pier Colony Homeowners Asn. V. California Resorts/Haseko Assoc.	Huntington Beach, CA
Laura Tadman v. Bailey Dutton	Reno, NV
Marcos and Maria Acosta v. Continental Residential Inc.	Herber, CA
Molina v. Celebrate Homes	North Las Vegas, NV



LITIGATION - PLAINTIFF

Case Name	Site Location
Panorama Towers	Las Vegas, NV
Pelican Point	Avila Beach, CA
PGA West Fairways Asn. v. Toll Bros., Inc.	Palm Desert, CA
Pham Residence	San Jose, CA
Piper Ranch (Air Wing v One Piper Ranch)	San Diego, CA
Planet Hollywood	Las Vegas, NV
Porter v. Richmond American Homes	North Las Vegas, NV
Pouk v. Taylor Woodrow Homes California	La Jolla, CA
Quail Ridge/Laughlin v. Comstock Development	Laughlin, NV
Red Rock Village	Red Rock, AZ
San Juan Hills Estates	San Juan Capistrano, CA
Scott Alanese v. Centex Homes of Nevada	Reno, NV
Seneca Falls Owners Asn. V. Seneca Falls, LLC.	North Las Vegas, NV
Sky Las Vegas	Las Vegas, NV
Spinnaker Bay Homeowners Asn. V. Durable Homes, Inc.	Laughlin, NV
Summerlin Village 17	Clark County, NV
Sun City MacDonald Ranch Com. Asn. V. Del Webb Com.	Henderson, NV
Sun Mesa	Reno, NV
Tapatio II HOA v. Falcon Homes	Henderson, NV
University Ridge	Reno, NV
Victoria	Calexico, CA
Villagio HOA v. EPAC	San Clemente, CA
Vossler v. Fleetwood Home Center	Pahrump, NV
Webb v. Celebrate Homes	Las Vegas, NV
William White v. Silverado Properties, Inc.	Mesquite, NV