STEPHEN M. POOLE, RCE, GE

EDUCATION

- M.S. Civil (Geotechnical) Engineering, Michigan State University, East Lansing, Michigan, 1977
- B.S. in Civil Engineering, Ohio University, Athens, Ohio, 1973

PROFESSIONAL REGISTRATIONS/CERTIFICATIONS

- 1978 Registered Professional Engineer/Civil/Texas/PE 43835
- 1985 Registered Civil Engineer/California/RCE 40219
- 1987 Registered Geotechnical Engineer/California/GE 692

PROFESSIONAL SUMMARY

Mr. Poole has over 35 years of professional engineering experience. His professional career is vastly diversified in commercial, residential, schools, hospitals, infrastructures, and transportation projects. Mr. Poole's expertise lies in pavement evaluation and design, ground improvement and modification, shallow and deep foundations, slope stability, pile designs, and hillside development. He has supervised and provided technical support to the field technicians for both rough grading activities. Post grading activities included backfilling of sewer, water, storm drain, and numerous types of joint utility trenches. Numerous post grading projects require full-time onsite observation and testing and issuing of a final compaction report upon completion.

PROJECT EXPERIENCE

- Project Manager/Engineer for Mission Ranch Development, a residential development in Riverside, California. Mr. Poole was in charge of all geotechnical engineering aspects of this project including project management for this 1,000 home development including over 15 miles of sewer, water, electrical, and joint utility trench backfill observation and testing. This large development required extensive construction monitoring and testing during rough and post grading operations.

- Project Manager/Engineer for The Lakes Development, a commercial and residential development in Menifee, California. Mr. Poole was in charge of all geotechnical engineering aspects of this 400 acre project including project management for this development of 1,000 homes, 25 acre commercial site, 20 acre multi-family site, school site, park site, and 3 on-site lakes. The site also includes on-site club house and recreational facilities. Over 6 million cubic yards of soil and bedrock were moved during the rough grading operations. Over 50 miles of sewer, water , electrical, storm drain, and joint utility trenches were excavated and backfilled throughout the development. This project required extensive construction monitoring and testing during rough and post grading operations for soil, concrete, and asphaltic concrete.

- Project Manager/Engineer for a geotechnical investigation for an auto dealership in Temecula, California. Mr. Poole was in charge of the preliminary geotechnical investigation for the auto dealership showroom, offices, and workshops. The proposed location was adjacent to a fault within

a sag pond area which made the use of deep foundations as the only workable solution. A final report was issued with recommendations for adding compacted fill to the site and for the use of deep foundations.

- Project Manager/Engineer for a geotechnical investigation for a major retail and apartment complex with Lowe's as the anchor store in Ontario, California. Mr. Poole provided geotechnical engineering for the geotechnical investigation, grading operations, and utility installation during the design and construction of this large retail complex. The geotechnical recommendations including foundation, retaining wall, grading, asphaltic and Portland cement concrete pavement, and percolation rates for drywells and detention basins.

- Project Manager for Community Facility District (CFD)projects consisting of over 5 miles of backfill trench for sewer force mains, water and reclaimed water lines within southeast Riverside, California. Supervised field soil technicians and performed project management for these projects including one sewage lift station.

- Project Manager for a major 200 mile water line connecting the Persian Gulf City of Jubail with Riyadh in Saudi Arabia. The dual potable 60 inch water line supplied Riyadh with potable water from the desalination plant. Our geotechnical investigation provided the project with the geotechnical constraints and appropriate recommendations and specifications for this major project. In addition, we provided testing and observation of trench backfill during construction.

- Project Manager/Engineer for Crowne Hill Development, a residential development in Temecula, California. Mr. Poole was in charge of all geotechnical engineering aspects of this project including project management for this development of 800 homes and 6 million cubic yards of grading. Prior to grading, an extensive grading plan review was performed that included boring test pits and review of previous reports in order to evaluate removal depths, settlement, and slope stability. This project required extensive construction monitoring and testing during rough and post grading operations.

- Project Engineer for Redhawk Residential Development in Temecula, California. Mr. Poole was in charge of all geotechnical engineering aspects of this development of 600 homes and 4 million cubic yards f grading. This project required settlement and slope stability analysis, and extensive construction monitoring and testing during rough and post grading operations.

- Project Manager/Engineer for Fairway at Redhawk Development in Temecula, California. Mr. Poole was in charge of all geotechnical engineering aspects of this project including project management for this development of 400 homes and 3 million cubic yards of grading. Prior to grading an extensive field investigation was performed that included borings, test pits, settlement analysis, slope stability analysis, preliminary asphaltic concrete pavement sections, and an evaluation of removal depths. This project required extensive construction monitoring and testing during rough and post grading operations.

- Project Manager Engineer for geotechnical investigation for major improvements and widening of State Route 91 in Riverside, California. Mr. Poole was responsible for the geotechnical engineering

and project management of this major transportation project including pavement design and pile design for bridges, signs and sound walls.

- Project Manager/Engineer for a geotechnical investigation for a one-story office and computer classroom building at Chaffey Community College in Rancho Cucamonga, California. The geotechnical investigation included an evaluation of shallow foundations and asphaltic concrete pavement design.

- Project Manager/Engineer for Cole Canyon Elementary in Murrieta, California. Managed and directed all materials and construction testing and inspection personnel for a new elementary school including issuing final materials reports to the client and DSA.

- Project Manager/Engineer for Val Verde Unified School District in Perris, California. Mr. Poole was the Project Engineer for the geotechnical investigation for the proposed elementary school. The geotechnical investigation analyzed seismic design criteria, removal depths, bearing capacity, active and passive pressures, and asphaltic concrete pavement design.

- Project Manager/Engineer for geotechnical engineering and project management during the Department of the Navy Base Relocation Project. Mr. Poole directed the geotechnical investigation for the relocations of the Navy's airborne reconnaissance squadron to Point Magu Naval Air Station, California. Services included exploratory drilling and sampling, laboratory testing, engineering analysis for office buildings, hangars, maintenance facilities, apron parking, and taxiway extensions as part of the base realignment project. The engineering analysis consisted of static and seismic settlement of the soft ocean shore line soils, design of shallow and deep foundations, asphaltic concrete and Portland cement concrete pavement design, and construction and grading recommendations.

- Project Manager/Engineer for the expansion of John F. Kennedy Memorial Hospital in Indio, California. Mr. Poole provided project management and geotechnical engineering for this critical structure expansion. The engineering analysis consisted of liquefaction analysis, static and seismic settlement, shallow and deep foundation design, and construction and grading recommendations.

- Project Engineer for Thompson Middle School in Murrieta, California. Mr. Poole was in charge of geotechnical and materials testing, inspection, and management of field personnel for the new school. Final reports were issued for the rough grading, post grading and materials testing and inspection. The reports were issued to the district, other consultants and to DSA.

PROFESSIONAL HISTORY

2007 – Present:	President and Principal Engineer, Earth-Strata, Inc., Murrieta, California
2002 – 2007:	Principal Geotechnical Engineer, Lawson & Associates Geotechnical Consulting, Inc., Inland Office, Temecula, California
1999 – 2002:	Senior Associate Engineer, Petra Geotechnical, Inc., Inland Empire Office, Murrieta, California
1997 – 1999:	Senior Project Manager, CHJ, Inc., Colton, California
1993 – 1994	Senior Geotechnical Consultant, Southern California Edison, Rosemead, California
1991 – 1992	Engineering Manager, Leighton & Associates, Riverside, California
1987 – 1991	Geotechnical Project Manager, De Leuw Cather, Ismir, Turkey and Khartoum, Sudan
1985 – 1987	Project Manager, Testing Engineers, San Diego, California
1982 – 1985	Geotechnical and Materials Manager, Lyon – STV, Riyadh, Saudi Arabia
1977 – 1981	Project Engineer, McClelland Engineers, Houston, Texas, and, Dammam, Saudi Arabia
1974 – 1975	Project Engineer and Laboratory Manager, Materials Testing Consultants, Grand Rapids, Michigan
1972 – 1974	Project Engineer, Mason & Ray, Inc., Columbus, Ohio