

Michael D. Reader, G.E., Chief Executive Officer

Professional Registration

Registered Civil Engineer,
California R.C.E. 44918

Geotechnical Engineer,
California, R.G.E. 2259

Education

M.S., Civil (Geotechnical)
Engineering, Cal. State Univ.,
Long Beach, 1991

B.S., Geological Engineering,
University of Arizona, 1985

EXPERIENCE SUMMARY

Michael Reader has over 23 years of experience performing geotechnical investigations for a wide range of projects in the southern California area. His experience includes investigations for highway and bridge development, public works projects, private residential and commercial development, city redevelopment studies, landslide analysis and stabilization, water and wastewater treatment plants, hospitals, educational facilities, mid-rise structures, liquefaction, and seismicity. His specialties include project management for large geotechnical investigations for large transportation and private developments. He has extensive experience in seismic hazard analysis, soft ground improvement, and pile foundations.

BRIEF SUMMARY OF EXPERIENCE

Residential Developments

- **Playa Vista Development:** Michael is the project manager for this project where Group Delta Consultants is the lead geotechnical engineering firm for the design and construction of 1,100 acre, \$6 billion Playa Vista Development project near Marina Del Rey. The project encompasses major geotechnical aspects of development in coastal areas, including liquefaction analyses, soft ground improvement by surcharging, lateral spreading mitigation, fault and subsidence assessment, permanent and temporary de-watering, deep foundations, mat foundations, retaining walls, utility design and mass grading.

Educational Facilities

- **Los Angeles Unified School District: Geological Hazard Reports and Geotechnical Investigations for 18 School Sites, Los Angeles,:** Michael is the principal-in-charge for all project where Group Delta provides geologic and geotechnical investigations that included new school campuses, new classroom buildings, building addition, parking lots, and underground parking structures. Group Delta also provides materials testing, inspection and additional construction support services.
- **Los Angeles Community College District (LACCD) - LA Community College New Administration and Athletic Buildings Los Angeles, CA:** Michael was the senior engineer in charge of the geotechnical investigation for these 2 new buildings at LACC in Los Angeles. The projects consisted of the design of 2 new structures: one on the east side of Vermont Avenue, and one within a parking lot adjacent to the existing tennis courts. The investigation revealed very shallow groundwater within interbedded sand and clay alluvium. Siltstone bedrock was also found at shallow depths



Bridge ■ Highway ■ Transit Project

- **Los Angeles to Pasadena Gold Line, MTA, Los Angeles:** Michael was project manager responsible for providing geotechnical investigation reports for each of the ten segments and the thirteen stations for this \$300 million project. Particular geotechnical challenges for this project included the design of a box structure in Highland Park and the depressed section thru Old Town Pasadena. The box structure in Highland Park is in an area of high groundwater and limited area for excavation.
- **San Fernando Bus Rapid Transit Corridor:** Michael was the project manager for the geotechnical investigation for the \$200 million dedicated bus corridor located in the San Fernando Valley area of Los Angeles.
- **State Route 22, Garden Grove Freeway, Design Build Project, Orange County:** Senior project engineer responsible for the on-call sampling and materials testing for improvements for the SR-22 freeway in Orange County, which consists of widening the freeway and constructing HOV lanes. The project includes QA oversight for the testing; QA/QC testing during construction; and testing of concrete aggregate; asphalt aggregates; asphalt gravity testing; field soil compaction; concrete pavement; pavement base course; lean concrete base; retaining wall backfill; and major and minor structural concrete.

Airports

- **LAWA – Southside Airfield Reconstruction Project, LAX, Los Angeles:** Michael was the project engineer for this tedious project in which GDC efficiently utilized its expertise to benefit the client and prevent unnecessary spending. GDC provided claims support and material testing during runway and taxiway construction. GDC supported LAWA in avoiding a potential multi-million dollar claim from the contractor regarding the production and compaction of Processed Miscellaneous Base (PMB) beneath the new runway and taxiway.

Water - Wastewater

- **Los Angeles County Wastewater Treatment Plant, Los Angeles, CA:** Michael was project engineer for the geotechnical portion of this joint geotechnical/hazardous waste investigation within the Los Angeles County Wastewater Treatment Plant in Carson. Current project include a shoring and hazardous waste investigation for a new 32 foot deep, 10' x 12' inlet box culvert and inlet works. The excavation for the culvert and inlet works structure traverse this highly complex treatment plant, requiring detail consideration of shoring, temporary structure support and relocation of existing lines and structures.

Seismic

- **Abalone Cove Beach Improvements, Rancho Palos Verdes, CA:** Michael was the geotechnical project engineer for the geologic evaluation of a study for a proposed parking lot at the toe of the Abalone Cove Landslide in the City of Rancho Palos Verdes. The evaluation included review of previous geologic studies of the landslide, geologic evaluation of air photos, review of proposed grading plans, a limited geologic field investigation, and slope stability of the proposed grading slopes. The project also involved discussions with City engineering and the Coastal Commission staff about the project.

