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TIERNEY GEOTECHNICAL ENGINEERING

Michele A. Fiorillo, E.I.T.

Geotechnical Engineer

EDUCATION:

B.S., Geological Sciences, University of Rome, Italy, “La Sapienza”, 1994

M.E. (Master of Engineering), Geotechnical Engineering, SUNY at Buffalo, 2000

PROFESSIONAL EXPERIENCE:

- 5/04 to date **TIERNEY GEOTECHNICAL ENGINEERING;** Mr. Fiorillo has taken on the responsibility of overseeing larger retail projects for several leading clients, as well as providing geotechnical engineering services for several municipal and commercial projects.
- 1/02 to 5/04 **EMPIRE GEO-SERVICES, INC.** Geotechnical engineer for the Rochester office. Mr. Fiorillo worked as a geotechnical engineer planning and supervising subsurface exploration programs, foundation investigations, and groundwater monitoring programs. Responsibilities included also marketing, proposal preparation, and preparation of foundation recommendations and geotechnical engineering reports for numerous projects including: rehabilitation of existing buildings, multi-story buildings, large retail developments, churches, bridges, industrial facilities, landfills, transmission towers and wastewater treatment facilities. He also took the lead as project coordinator for quality assurance programs on many projects.
- 9/99 to 1/02 **VANDERHORST, GEOTECHNICAL ENGINEERING, P.C.;** Worked as geotechnical engineer preparing subsurface exploration and geotechnical engineering investigations. Involved in different areas of geotechnical and civil engineering, which included: preparation of geotechnical engineering reports; foundations recommendations; subsurface exploration programs, construction inspection and monitoring. His projects have included industrial and commercial buildings, schools, pump stations, communication towers, water tanks, box culverts, unreinforced and reinforced slope stabilization, landfill covers, bio-reactors, and retaining structures. He has also performed field geotechnical observations and tests, including proofrolling observations, bearing grade inspections, drilled shafts (caissons) inspections, vibrating wire piezometers installations, vibrating wire settlement system installations, pipe settlement gages installation and monitoring of settlements, in place soil penetrometer, field CBR, test pit logging, and percolation testing, as well as numerous laboratory analyses and field testing, such as in place field density testing, concrete testing, pull-out on anchors and reinforcing bars embedded in concrete, and impact tests on fiberglass poles. Moreover, Mr. Fiorillo was involved with the preparation and quality control construction management for several Federal Aviation Administration Projects (i.e. Greater Rochester International Airport; Jamestown Airport).
- 3/98 to 9/99 **CME ASSOCIATES, INC.;** Construction Engineering Technician. Duties included: concrete, pre-cast concrete, and asphalt plant inspection for various projects for the Region 4 New York State Department of Transportation (NYSDOT); field resistivity of soils; bearing grade inspections; proofrolling observations; soil classification; laboratory concrete and masonry testing.

- 3/97 to 3/98 **ROCHESTER ASPHALT MATERIALS (RAM);** QC/QA Technician. While with RAM, Mr. Fiorillo was responsible for quality control of hot mix asphalt production. Duties included: Marshall and SuperPave hot mix asphalt design; quality control of materials products from the quarries; monitoring of hot mix asphalt production, and facilities equipment, such as plant scales, and computers.
- 8/95 to 3/97 **CME ASSOCIATES, INC.;** Construction Engineering Technician. Mr. Fiorillo duties included performing concrete, asphalt, and soils field testing according to project plans and specifications, and reporting test results and inspection findings. Furthermore, concrete and asphalt plant inspection for various projects for the Region 4 NYSDOT.

PROFESSIONAL AFFILIATIONS:

- 2000 American Society of Civil Engineers - Rochester Chapter - member
1997 American Society of Civil Engineers - member

CONTINUING EDUCATION:

- 2001 “Deep Foundations: Design, Construction & Quality Control”, ASCE seminar, San Juan, PR.
2000 “AutoCAD R.14”, 15 Hours Course, Greece, NY
2000 “Lessons in Professional Liability”, DPIC Companies - Rochester, NY
2000 10 Hours OSHA - Construction Safety and Health
1999 “Emerging Technologies in Geotechnical Engineering”, ASCE and Pennsylvania DOT seminar - Harrisburg, PA
1999 Q/C Resources - Nuclear moisture/Density equipment - Training Course Certification
1996 New York State Pavement Association - QA/QC Technician
1996 American Concrete Institute - Concrete Field Technician, Grade I
1996 NICET certification for Soils, Asphalt, and Concrete

PUBLICATIONS:

- “Effect of non-plastic fines on undrained cyclic strength of silty sands”*(2000). Soil Dynamics Liquefaction, Geotech. Spec. Publ. 107, ASCE, Colorado, 77-91.
“Geotechnical properties of alluvial deposits in the southern Tiberin Basin - Central Italy” (1994). M.S. Thesis, University of Rome “La Sapienza”, Rome, Italy