

PROFESSIONAL QUALIFICATIONS

RICHARD S. KESSLER

EDUCATION

B.C.E., 1965- Rensselaer Polytechnic Institute.
M.C.E., 1968- Catholic University of America.
Post Graduate Courses- Columbia University.
Continuing Education Topics include: soil improvement;
rock excavation; earth retaining systems; foundation instrumentation;
structure settlement; machine foundations; soil cement; pile design,
driving and installation; septic systems; and Geotextiles.

PROFESSIONAL REGISTRATION

Licensed Professional Engineer in the states of New Jersey,
New York, Connecticut, and Pennsylvania.

PROFESSIONAL AFFILIATIONS

Member: American Society of Civil Engineers, Geo-Institute,
American Society for Testing and Materials, National Society of
Professional Engineers, International Society of Soil Mechanics
and Foundation Engineers, Association of Drilled Shaft Contractors, Deep
Foundations Institute, Construction Specifications Institute, and ASFE.
Listed- American Bar Association Register of Expert
Witnesses in the Construction Industry.
Formerly- American Arbitration Association Panel of Arbitrators.

CAREER INFORMATION

More than 40 years of experience in the field of Geotechnical
Engineering involving all phases of a wide range of project types. Range
of experience encompasses a breadth of responsibilities including: field
and laboratory testing; planning and performance of subsurface
investigation programs; analysis of the performance of earthworks,
pavements, and foundation systems; development of Geotechnical
Engineering recommendations for design and construction purposes;
preparation and presentation of reports; training and supervision of
professional personnel; project management; resolution of construction
disputes; value engineering; research in foundation and soil behavior; and
expert testimony.

Currently in private practice as a Consulting Geotechnical Engineer since
1986. Previously Project Manager with Frank H. Lehr Associates; Senior
Soils Engineer with Frederic R. Harris; Soils Engineer with King and
Gavaris, Consulting Engineers; Oceanographer-Soils Engineer with the
U.S. Navy Oceanographic Office; and Junior Soils Engineer with
Foundation Test Service, Inc.

ACADEMIC EXPERIENCE

Formerly Adjunct Instructor at Union County Technical
Institute and Fairleigh Dickenson University in Soil
Mechanics, Foundation Analysis, and Project Specifications.

**PROJECT
EXPERIENCE**

Bridges and Highways
Dams
Dredging Projects
Earth and Rock Embankments
Earth Retention Systems
Educational Facilities
Excavation Stability
Expansive Soil Behavior
Forensic Engineering
Harbor Development
Industrial Land Development and Structures
Libraries
Light Poles and Towers
Machine Foundations
Marine Structures
Major Trunk Sewers
Microwave Towers
Municipal Facilities
Nuclear Powerplants
Ocean Bottom Research Facilities
Office Buildings
Oil Tank Farms
OSHA Compliance
Pavement Systems
Pipelines
Recreational Facilities
Religious Institutions
Residential Land Development and Structures
Retail Land Development and Structures
Retaining Walls/Retaining Systems
Sanitary Landfills
Schools
Septic System Site Evaluation and Design
Sewer Systems
Sewerage Treatment Plants
Slope Stability
Soil Stabilization
Space Shuttle Ground Support Facilities
Submarine Pipelines
Telecommunication Towers
Underground Tanks

PUBLICATIONS

Co-author: "Field Measurements on Instrumented Piles Under an Overpass Abutment", HRR No. 354; "Submarine Sediment Investigation in the Vicinity of the Planned Sealab III Habitat", IR No. 68-75; and "Comparison of Shear Strength Measurements with the Laboratory Vane Shear and Fall-Cone Devices", IR No. 69-28.