FORCON
INTERNATIONAL
WWW.FORCON.COM

STANLEY A. SCHWARTZ, PE

SUMMARY

Mr. Schwartz has provided geotechnical-engineering services for design and construction of more than a thousand projects, many in excess of $100 million construction cost. These projects vary from small franchise restaurants to large industrial plants, airports, regional shopping centers, schools, office parks, high-rise office buildings, hotels, landfills and major dams and power plant structures.

EDUCATION

B.S., Civil Engineering, City College of New York, 1958
Graduate Studies, Columbia University, New York, 1967
M.S., Civil Engineering (Soil and Foundations Major), Georgia Institute of Technology, 1971
Commercial Mediation Training – 64 Hours

FIELDS OF COMPETENCE

- All Aspects of Geotechnical and Foundation Engineering
- Construction Specifications
- Construction Inspection
- Expert Witness – Arbitration
- Quality Control/Quality Assurance
- Failure Investigations

PROJECT ASSIGNMENTS

Chief Geotechnical Engineer – Project Principal for Design and Construction QC on Thousands of Projects, Many in Excess of $100 Million Construction Costs; Forensic Engineer on More Than 500 Projects Involving Geotechnical Issues

PROFESSIONAL REGISTRATIONS (Not All Active)

Registered Professional Engineer, Georgia (1965), #5517
Alabama (1998), #20331
North Carolina (1977), #8135 - (Inactive)
Florida (1980), #29496 - (In Process)
New Jersey (1963), #12638 - (Inactive)
Louisiana (1975), #14873 - (Inactive)
Ohio (1987), #51104 - (Inactive)

PROFESSIONAL MEMBERSHIPS/AFFILIATIONS (Not All Active)

American Society of Civil Engineers
National/Georgia Society of Professional Engineers
Association of Drilled Shaft Contractors
Association of Soil and Foundation Engineers
Panel of Arbitrators - AAA

TEACHING ASSIGNMENTS

Georgia Institute of Technology - Undergraduate/Graduate Course in Basic Foundation Engineering, 1979
Georgia Institute of Technology - Geotechnical Seminar, 1989

CAREER HISTORY

- **Willmer Engineering Inc.** - Principal Geotechnical Consultant
- **FORCON International** - Geotechnical Consultant
- **S. A. Schwartz Engineering, Inc.** - President
- **Westinghouse Environmental and Geotechnical Services, Inc.** - Senior Vice President and Chief Geotechnical Engineer - Soil & Material Engineers
- **Law Engineering Testing Company**, Atlanta, Georgia - Vice President and Chief Geotechnical Engineer
- **Goodkind and O'Dea**, Hamden, Connecticut - Geotechnical Engineer
- **Woodward-Clyde-Sherard and Associates**, Clifton, New Jersey - Geotechnical Engineer
- **Federal Aviation Agency**, New York - Civil Engineer

PUBLICATIONS

Design, Construction and Inspection of Drilled Piers in the Piedmont, Drilled Foundation Seminar in Atlanta, Georgia, 1986

Drilled Piers in the Piedmont – Minimizing Contractor/Engineer/Owner Conflicts, ASCE Special Conference, Atlantic City, New Jersey, 1987

RELEVANT PROJECTS

- **AmericasMart Building 4 – Gift Mart Expansion**, Atlanta, Georgia – Principal Geotechnical Consultant responsible for quality assurance for Report of Geotechnical Exploration for the over 1 million square foot expansion. The structure will consist of 18 floors of post-tensioned cast-in-place concrete with a basement, supported on caissons and spread footings bearing in rock.

- Federal Reserve Bank of Atlanta, Atlanta, Georgia - Midtown Atlanta multi-purpose multi-building 10-story complex of office tower, deep vault, operations center and parking structure. Worked as integral part of design-contractor-owner team to arrive at geotechnical decisions on very complex foundation, slab excavation, dewatering and bracing-related issues.

- **City Plaza**, Atlanta, Georgia - Downtown multi-use 4-story buildings on pile and spread footings - Investigated a downtown Atlanta site with numerous and varied demolished (buried) old structures. Defined areas that could be used for conventional footing support and others that required auger cast piles.

- **17th Street Peachtree Buildings**, Atlanta, Georgia - Four separate high-rise office building complexes near 17th Street and Peachtree Street. Involved innovative shallow and deep foundation solutions to complex subsurface conditions and variable lover level grades for different components of the complexes.

- **Charlton County State Prison**, Folkston, Georgia - Performed geotechnical exploration to change pile foundation recommendation for all buildings, provided by previous firm, to allow single-story buildings to be supported on shallow spread footing foundations and two-story buildings to be supported on pile foundations.

- **Overlook I, II, III**, Atlanta, Georgia- Full geotechnical evaluation of site civil-foundations for very hilly sites in very complex geologic settings. Some buildings had variable lower levels, making for complex variable foundation support conditions and associated detailed recommendations for the 10 to 20-story sites.

- **Atlanta Galleria Hotel/Office Complex**, Atlanta, Georgia - One of the first projects in the Cumberland Mall area where heavy ripping of partially weathered rock (PWR) was used in lieu of blasting. Contractor was required to orient ripper teeth in most favorable direction to accomplish extensive excavation depths of rock without blasting. Designed 10 to 20-story buildings on both spread footings and piers on PWR.

- **Two Premier Plaza**, Atlanta, Georgia - Evaluation of settlement of six-story building, balanced footing pressures related to several variables, including unloading in cut areas, and new loading in fill areas and very large and small column loadings, to permit the use of conventional foundations rather than expensive drilled piers.

- **Atlanta Motor Speedway**, Atlanta, Georgia - Tunnel rebound and settlement of tunnel and raceway track; use of lightweight backfill; dewatering, very difficult design and construction issues were value-engineered to satisfy inflexible drainage and track performance requirements.

- **Several Georgia Power Company plants**, Several locations in Georgia - Services included plant siting investigations to evaluate optional sites relative to geotechnical, constructability and licensing issues. At plant sites, detailed investigations were made for all facility components, usually over a period of a year or more.

- **Florida Power and Florida Power and Light Companies**, Several locations in Florida - Evaluated several nuclear power plant site areas primarily related to licensing issues. Extensive geologic and seismicity studies made.