

RESUME

Kenneth G. Fraine, P.E.

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- EDUCATION** **M.S., Civil Engineering**, 1997, Virginia Tech, Blacksburg, Virginia
Awarded Woodward-Clyde Professional Development Grant
Area of Concentration: Geotechnical Engineering
B.S., Civil Engineering, 1992, Virginia Tech, Blacksburg, Virginia
Continuing Education, Continuous CEUs since 1998
- REGISTRATION/
CERTIFICATION** **Professional Engineer** – Virginia, Maryland, West Virginia, Delaware,
District of Columbia
Designated Plans Examiner – Fairfax and Loudoun Counties (Pending)
Third-Party Inspector – Fairfax, Loudoun, Montgomery, Prince William,
Stafford, and Spotsylvania Counties; City of Fairfax
Nuclear Density Gauge Operator
OSHA Hazardous Waste Operator
Standard First Aid / Adult CPR
- EXPERIENCE** **Owner/President**, Soil & Structure Consulting, Inc., 1998 – Present
Providing specialized geotechnical and structural engineering services, including shallow &
deep foundations design, residential structural inspection, structural remediation, erosion
control, small dam design, pavement evaluation & design, and environmental investigations.
- Owner/Vice President**, Drainage & Erosion Solutions, LLC, 2003 – Present
Providing specialized soils engineering services, including erosion & sediment control,
drainage remediation, wet basement solutions, and structural remediation.
- Department Manager/Project Engineer**,
Professional Service Industries, Inc., 1997 – 1998
Management responsibilities:
- Managed all projects for the Geotechnical Services Department.
 - Managed several projects for the Construction Services Department.
 - Prepared proposals for all potential contracts, including scopes and costs.
 - Prepared monthly revenue reports.
 - Coordinated engineering and technical personnel and subcontractors.
 - Client development, including liaison between clients and various counties in the Washington Metropolitan Area.
- Design responsibilities:*
- Designed all facets of building foundations, large and small dams, retaining walls, and pavements.
 - Interpreted laboratory test data.
 - Developed preliminary design alternatives, final design selections, and preparing design reports.
- Construction responsibilities:*
- Consulted for a variety of on-going geotechnical projects, including foundations for large and small commercial buildings, earthen dams, roads, and excavations.
 - Supervised site subsurface investigation using drilling, coring, excavation, and geophysical methods.

Staff Engineer, Woodward-Clyde Consultants, Inc., 1992 – 1997

- Prepared Geotechnical Engineering Reports.
- Performed several types of analyses, including slope stability, seepage, settlement, and deep foundation capacities.
- Provided on-site inspection for several large construction projects, including Fairfax County Parkway in Fairfax, Virginia and Twin Lakes Dam in Sheridan, Wyoming.
- Performed on-site laboratory index testing.
- Prepared daily reports and as-built drawings.
- Supervised soil test borings, rock coring, rock anchor installations, and well installations, and conducted geophysical tests.
- Other experience included conducting landfill siting surveys, preparing Disaster Survey Reports as a TAC Inspector for FEMA, and performing geotechnical laboratory testing.
- Served as president of the Computer Users Group for office of 80 employees.

**ENGINEERING
APPLICATIONS**

Proficient with the following software applications:
Slope/W, UTEXAS3, PCStable, Seep/W, HELP, Deforms

**PROFESSIONAL
AFFILIATIONS**

American Society of Civil Engineers, Member
Engineers & Surveyors Institute, Member
Strathmore's Who's Who of Design Professionals

**PERSONAL
AFFILIATIONS**

Gonzaga HS Rugby Football Club, Head Coach
Northern Virginia Rugby Football Club, Board of Governors
Tech Rugby Alumni Foundation, Board Member
Virginia Tech Alumni Association