

Nicholas J. A. White, PE

Registered In MD, DC and VA

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Summary

Civil engineering design and construction professional – I have 40 plus years of inspection, design, construction management and business experience. My areas of expertise include all types of foundations, earth works, earth retention, ground improvement, concrete and structural steel. My background is in structural and geotechnical engineering including foundations, retaining structures, shoring, underpinning. I am an innovator of many new techniques, tools and equipment to meet specific projects and industry needs.

Education

Johns Hopkins University, Baltimore, MD

- BSCE, Professional Engineering, Graduated 1983 (attended night school from 1973 to 1983)

Charles Woodward High School, Bethesda, MD

- Graduated in 1971

Skills

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| ■ Design | ■ Innovator | ■ Communication |
| ■ Structural Engineering | ■ Forensics | ■ Computer Skills |
| ■ Geotechnical Engineering | ■ Leadership | ■ Integrity |

Experience

Professional Consulting Corporation – Project Manager & Consultant - Maryland, Virginia and DC
2015 to Present

I specialize in design and construction monitoring of foundations, underpinning, retaining structures and shoring systems.

Independent Consultant – Jacksonville, Florida
2005 to 2015

I primarily provide consulting services including design and drawings for foundation systems, earth retention and retaining walls for private and public projects. Extensive work for commercial and residential development, WMATA, DOT related and waste water treatment projects.

Selected Achievements:

- Quarry reclamation for future site development involving 65,000 square feet of faux rock soil nail retaining walls – 4 year project – design & construction - Bethesda, Maryland
- Design support of excavation for fuel tanks – WMATA bus facility – Rockville, Maryland
- Design earth retention and anchors - Route 26 & 695 - bridge construction - Baltimore, Maryland

- Design & construction of new retaining walls, earthwork, site concrete and paving – Takoma Park Shopping Center – Takoma Park, Maryland
- Design, estimates and construction management for numerous foundation, earth retention, underpinning, retaining walls and concrete for a variety of clients.

REV DRILL, INC. – WOODBINE, MD
 President and Owner, 1997 to 2005

I manufactured drilling attachments to hydraulic excavators. About 50 units were sold nationally for use in short auger drilling, auger-cast piles, DHH drilling, dewatering, tiebacks, soil nailing and micro-piles. I originally designed drills for my own contract work, and then started outside sale of units. I was responsible for all aspects of design, marketing and manufacturing. See www.revdrill.com

FOUNDATIONS UNLIMITED, INC. – WOODBINE, MD
 President and Owner, 1989 to 2005

Design and build sheeting, shoring, underpinning, tieback, earthwork, caisson, grouting, permanent wall and other specialty work. Our contract work was up to 5 million per year with 20 to 40 employees; mixed union and open shop. Other work included cell towers, tank fields and system shoring. I have an outstanding reputation in local area for difficult projects. We performed many permanent beam wall projects with cast in place concrete, gunite, timber and other facing methods.

Selected Projects:

- Glenstone Residence, Potomac, MD – Sediment control, earthwork, roads, foundations, utilities and structural concrete for new 60 million dollar estate home and museum.
- Turkish Embassy, Washington, DC – Underpinning and temporary earth support for 60 foot deep excavation.
- Crystal Towers, Arlington, VA – Drilled piles, lagging and regrowable tiebacks.
- Howard Hughes Medical Center, Chantilly, VA – Soil nailing and rock protection on 50 foot deep excavation.
- Numerous specialty foundation and other projects (about 380 total)

CAPITOL FOUNDATION COMPANY, INC. – SILVER SPRING, MD
 President and Co-Owner, 1985 to 1989

I had total responsibility for design and construction of specialty foundation and earth support work. Our contract work was up to 12 million per year with 60 to 90 employees; mixed union and open shop. We designed and fabricated machinery in house for specialty work, including a 120 foot long single pass tieback drill. Extensive development in down hole hammer drilling for mixed face support systems. I have an outstanding reputation in the local area. I have done significant work on the DC Metro System.

Selected Projects:

- Chevy Chase Pavilion, Washington, DC – soil / rock DHH piles, face lagging, tie-points and regrowable ties, WMATA interface.
- Blue Plain Sewage Treatment, SE Washington, DC – sheeting, shoring, underpinning and grouting.
- 1300 K Street Office Building, NW Washington, DC – sheeting, shoring, underpinning and tiebacks for 50 foot deep excavation – 2 square blocks.
- Numerous deep excavation support and other projects (about 250 total).

SPENCER, WHITE AND PRENTIS – GAITHERSBURG, MD
Area Manager, 1983 to 1985

I had total responsibility for management, design and construction of sheeting, shoring, underpinning, tieback and other specialty projects. We did contract work up to 3 million per year with 30 to 40 local employees; union company. We did extensive work in regrowable anchors, micropiles, difficult access and other complex projects.

Selected Projects:

- Leavey Center, Georgetown University, NW Washington, DC – permanent tieback wall in deep fill with 80 foot long drilled piles with 90 foot regrowable anchors.
- National Institute of Health, Bethesda, MD – Interior renovations with extensive underpinning, shoring, column support and micropiles.

FRANKI FOUNDATION COMPANY – ARLINGTON, VA
Project Manager, 1978 to 1983

I started as construction superintendent on pressure injected footing projects and became project manager in the sheeting and shoring division with total on-site responsibility for numerous sheeting, shoring, underpinning and tieback projects. I did extensive takeoff, estimating, drafting and had extensive sales involvement. I assisted with technical papers on earth support and foundation designs.

Selected Projects:

- Fort McHenry Tunnel West Approach, Baltimore, MD – Piles, lagging and high capacity regrowable earth tiebacks.
- Old Post Office Building, Washington, DC – Underpinning historic clock tower.
- Defense Intelligence Agency, Suitland, MD – Franki piles.

SCHNABEL ENGINEERING ASSOCIATES, BETHESDA, MD
Senior Engineering Technician, 1971 to 1978

I had split responsibilities in materials testing laboratory and field construction inspection. Projects included all types of earthwork operations, concrete, piles, caissons, sheeting, shoring and tiebacks. I did laboratory testing of soils, concrete and rock. My duties included advance soil testing, test borings, drafting, computing, graphing and report writing.

PERSONAL:

I am a DAT (Disaster Action Team), volunteer for the American Red Cross trained and active in sheltering, disaster assessment and client case work. I respond to night fire victims – shelter, food, etc.

I volunteer for two local churches and one non-profit building handicap ramps for the elderly.