



BOTA CONSULTING ENGINEERS, INC.
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ERNEST M. NJABA, P.E – PRESIDENT/PRINCIPAL

EDUCATION:

Master of Science in Civil Engineering – Howard University, Washington, DC – May 1996
Major: Geotechnical Engineering
Minor: Structural Engineering

Bachelor of Science in Civil Engineering – Howard University, Washington, DC – May 1992

REGISTRATION: Registered Professional Engineer, State of Maryland
Registered Professional Engineer, Commonwealth of Virginia
Registered Professional Engineer, District of Columbia

PROFESSIONAL AFFILIATION/LICENSES:

Associate Member of the American Society of Civil Engineers (ASCE);
National Civil Engineering Honor Society (CE) Chi Epsilon;
Member of the National Society of Professional Engineers (NSPE);

PROFESSIONAL

APPOINTMENTS: **September 2007 – June 2012** -Member Prince George's Building Contractors Board, Prince George's County, Maryland. Appointed by County Executive in September 2007 and Confirmed by County Council

PROFESSIONAL

EXPERIENCE: Over twenty-three years of Engineering and Managerial Experience

EXECUTIVE SUMMARY

Mr. Ernest M. Njaba, P.E., is President and Principal of BOTA Consulting Engineers, Inc. (BCE). As a Principal, Mr. Njaba brings more than 23 years' experience in geotechnical

and construction material engineering from over 700 land development projects in the Washington Metropolitan Area in the past twenty years. Mr. Njaba is in charge of Construction Material Testing and Inspection services, assignment of laboratory testing and immediate supervision of field investigative operations.

At BOTA Consulting Engineers, Inc. (BCE), Mr. Njaba responsibilities include project management and engineering supervision of geotechnical studies and construction materials testing, and inspection including soils, concrete, steel, and asphalt. Mr. Njaba has extensive experience in shallow and deep foundation system design including caissons; auger cast piles, piles and load testing, and retaining walls design. Mr. Njaba has extensive experience in slope stability analyses and design, and application of remedial measures for stabilization of infrastructures including Geotechnical Instrumentation installation and Monitoring services of inclinometers on roadway embankment slope, retaining structures, and dam embankments. Mr. Njaba has extensive field experience in all phases of land development. Extensive experience in analyzing and dealing with high plasticity soils, such “Marine Clay” or “Malboro Clay” on the for the design of foundations, floor slab, pavements, stormwater management (SWM) ponds, and roadways including lime stabilization procedure.

Prior to forming BOTA Consulting Engineers, Inc. (BCE), Mr. Njaba was a Principal Engineer and Head of Geotechnical Engineering Department at Geotechnical Consulting & Testing, Inc., and was a Senior Project Engineer at ECS Mid-Atlantic, LLC.

WORK EXPERIENCE:

BOTA Consulting Engineers, Inc., Lanham, Maryland (08/2004 to Present)

Mr. Ernest M. Njaba, P.E. is President and Principal at BOTA Consulting Engineers, Inc., He is responsible for engineering supervision of engineering and technical staffs in geotechnical and construction engineering projects. Design, review and seal geotechnical reports on land development projects. Review construction reports for ensuring compliance of applicable standards, codes, and regulations in accordance with project drawings and specifications. Mr. Njaba has extensive experience in Geotechnical Instrumentation and Monitoring including installation and monitoring of inclinometers and piezometers.

Geotechnical Consulting & Testing, Inc., Woodbridge, VA. (08/2003 to 8/2010)

Mr. Ernest M. Njaba, P.E. worked as a Principal Engineer and Geotechnical Engineering Manager responsible for engineering supervision of engineering and technical staffs in geotechnical and construction engineering projects. Design, review and seal geotechnical reports on land development projects. Review construction reports for ensuring compliance of applicable standards, codes, and regulations in accordance with project drawings and specifications.

ECS Mid-Atlantic, LLC., Chantilly, VA. (09/2001 to 08/2003)

Senior Project Engineer responsible for engineering supervision of engineering and

technical staffs in geotechnical and construction engineering projects. Review and seal geotechnical reports on land development projects. Review construction reports for ensuring compliance of applicable standards, codes, and regulations in accordance with project drawings and specifications.

ECS Mid-Atlantic, LLC., Chantilly, VA. (01/98 to 09/2000)

Project Engineer responsible for project management including development and preparation of Geotechnical studies and Design for land development projects. Engineering supervision of subsurface exploration and laboratory testing to develop engineering recommendations in design and construction of infrastructures. Substantial experience in shallow and deep foundation systems design. Extensive experience on slope analyses and design, pavement analyses and design retaining wall analyses and design. Extensive experience in analyzing the stability of embankment slopes of stormwater management ponds using various methods on engineering principles based on the shear strength parameters of embankment soils and minimum factor of safety against sliding, rotation, and foundation. Extensive experience in analyzing embankment slope stability on pond conditions and periods during design life of structure that are critical or severe based water levels and loading of the embankment and foundation. These analyses include end of construction, steady seepage, and rapid drawdown conditions. Engineering supervision of construction inspection and materials testing, including soils, concrete, steel, and asphalt. Review and approve field reports submitted by field engineers and technicians to verify construction compliance with project drawings and specifications. Some field operations include deep dynamic compaction, subsurface exploration, load testing for deep pile foundations, installation and monitoring of wells for slope movement with inclinometer.

Engineering Consulting Services, LTD., Chantilly, VA. (02/96 to 01/98)

Assistant Project Engineer/Field Engineer responsible for the supervision of field investigations, monitored job progress, as well as performed Geotechnical and Construction engineering for land development projects. Monitored quality control activities by others to verify compliance with drawings and specifications.

Engineering Consulting Services, LTD., Chantilly, VA. (05/92 to 02/96)

Certified Field Technician: Monitored quality control activities by others to verify compliance with drawings and specifications. Field Engineering Technician on Geotechnical and Construction projects. Verify construction materials testing and inspection for commercial and residential project construction in land development projects including roads, stormwater management (SWM) ponds and retaining walls in accordance with project drawings and specifications.

Certifications: WACEL Soils I, WACEL Soils II, WACEL Concrete I, Troxler Nuclear Gauge Certified