

**NICOLE M. LAVERGNE-DÍAZ, MSCE, PE**  
**Geotechnical Engineer**

**EDUCATION**

Master of Science in Civil Engineering, 2005  
University of Illinois at Urbana-Champaign

Bachelor of Science in Civil Engineering, 2003  
University of Puerto Rico, Mayagüez Campus

**PROFESSIONAL  
REGISTRATION**

Licensed Professional Engineer (No. 20472)  
Commonwealth of Puerto Rico

**AFFILIATIONS**

Colegio de Ingenieros y Agrimensores de Puerto Rico (CIAPR)

**SHORT COURSES/  
SEMINARS**

Short Course on Use of PLAXIS Finite Element Code for Soil and Rock Analyses – University of California at Berkeley, 2003

University of Illinois at Urbana-Champaign - Geotechnical Earthquake Engineering in Mid-America, San Juan, 2003

OSHA 10 Hour Safety Course – Caguas, Puerto Rico, 2005

Nuclear Gauge Certification and HazMat for Radiation Certification, 2005

Course on Use of PLAXIS Finite Element Code for Soil and Rock Analyses for Experienced PLAXIS Users – Antwerp, Belgium 2006

Basics of Design of Piled Foundations, by Dr. Bengt Fellenius – San Juan, PR 2006

PDA Seminar: “Everything You Wanted to Know About PDA Testing but Were Too Afraid to Ask”, and Test Interpretation and CAPWAP Analysis Skills Development, by Foundation QA – Atlanta, GA 2007

**PROFESSIONAL  
EXPERIENCE**

From 1998 to 2000, Ms. Lavergne worked at GMTS during the summer time as an assistant laboratory technician performing soils and materials testing, including concrete compression tests, Atterberg limits, Proctor compaction

tests, sieve analyses, and visual-manual description of soil samples for the preparation of boring logs.

From January 2003 to August 2003, Ms. Lavergne was employed as a full-time field engineer at GMTS. Her responsibilities included coordination and supervision of drilling operations, monitoring earthwork operations, performing and supervision of geotechnical and materials laboratory and field tests, evaluation of data, and preparation of geotechnical reports.

In August 2003 Ms. Lavergne left GMTS to complete a Master of Science Degree in Civil Engineering (MSCE) at the University of Illinois at Urbana-Champaign.

In June 2005, after completing her MSCE degree, Ms. Lavergne was again employed as a full-time engineer. Her responsibilities include coordination and supervision of drilling operations, monitoring earthwork operations, performing and supervision of geotechnical and materials laboratory and field tests, evaluation and analysis of data, and preparation of geotechnical reports.

## **KEY PROJECTS**

Geotechnical Engineering consultant for Taylor Engineering and Bahia Urbana Project for the rehabilitation design of Piers 7, 8 and 9, in San Juan, 2010 to present

Pile installation and ground improvement (vibro-replacement/stone columns) monitoring at the Puerto Rico Convention Center District, San Juan, PR

Geotechnical consultant for the PR-17 / PR-181 Interchange, San Juan, PR

Geotechnical consultant for Comunidades Especiales Projects

Geotechnical consultant for the Sheraton Hotel at the Puerto Rico Convention Center District, San Juan, PR

Geotechnical consultant for the PR-66 East Corridor Stage 2, Canóvanas - Río Grande, PR

Geotechnical consultant for the Finca Elena Development, Guaynabo, PR

Geotechnical consultant for AMGEN Manufacturing Limited, Juncos, PR