



## RESUME

**PHILIP C. LAMBE**

**POSITION** Senior Engineer  
GeoTechnologies, Inc.  
Raleigh, North Carolina

### FIELDS OF COMPETENCE

- o Earth Dams
- o Properties of Residual Soil and Compacted Soils
- o Slope Failure Investigation
- o Deep Excavation
- o Deep Foundation
- o Geotechnical Engineering
- o Seepage and Drainage
- o Site Evaluations
- o Seismic Response of Soils

### KEY PROJECTS AND ASSIGNMENTS

- o Project Engineer for Subsurface Exploration for RDU Terminal C Modifications.
- o Project Engineer for Subsurface Exploration for RDU Terminal A Temporary Gates.
- o Evaluation of 60 foot high compacted soil slope failures at Target located on Lynn Road in Raleigh, NC.
- o Evaluation of stability of 200 foot high compacted soil slopes at Tazewell Count Airport in Richlands, Va.
- o Geotechnical Engineer for the Design of sewer line extension near Crabtree Creek near intersection of Glenwood Drive and Blue Ridge Road.
- o Project Engineer for Bristol Place Office Building in Imperial Center off of Page Road in Research Triangle.
- o Project Engineer for Family Home and Garden Center in Clayton, NC.
- o Project Engineer for Staybridge Suites Inn on Airport Boulevard in Morrisville, NC.
- o Evaluation of Embankment Failure at P.O. Hoffer WWTP in Fayetteville, NC.
- o GeoTechnical Engineer for several greenway bridges crossing Rocky Branch Creek, Walnut Creek, and Crabtree Creek in Raleigh, NC.

6. Walnut Street, Cary, NC



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- o Project Engineer of investigation for Eagle Ridge Dam located in Garner, NC.
- o Project Engineer of investigation for Hyman Young Dam located in Madison County, NC.
- o Project Engineer for condition assessment of Deerlake Dam located in Brevard, NC.
- o Geotechnical Engineering for investigation of unstable excavated slopes at PCS Phosphate mine in Aurora, NC.
- o Project Engineer of investigation for condition assessment of Deerlake Dam located in Brevard, NC.
- o Project Engineer for condition assessment of Stauffer Dam located in Green River, Wyoming.
- o Project Engineer of investigation for condition assessment of Dam for storing gypsum located in Streator, Illinois.
- o Evaluation of slope stability at CORCO Oil Refinery located in Ponce Puerto Rico.

## SELECTED PAPERS:

"Residual Soils," Lambe, P.C., Chapter 19 of Landslides: Investigation and Mitigation, TRB Special Report 247, 1996.

"Back Analysis of Two Landslides in residual Soil", Lambe, P.C. and Riad, A.H., Proc. Ninth Pan American Conference on Soil Mechanics and Foundation Engineering, 1991.

"Instability of Natural Slopes in Puerto Rico", Lambe, P.C., Silva, F., Marr, W.A., and Lambe, T.W., Proc. of Twelfth International Conference on Soil Mechanics and Foundation Engineering, 1989.

"True Cohesion of Recently Deposited Phosphogypsum," F. Sean McGrath and Philip C. Lambe, paper submitted to 1998 ASCE Specialty Conference.

"Selecting Shear Strength Parameters for Weathered Metamorphic Rock," Philip C. Lambe and Margaret Sweitzer, 48<sup>th</sup> Highway Geology Symposium, 1997.

## PROFESSIONAL REGISTRATIONS

- o Registered Professional Engineer, Florida (1978), #25173, and North Carolina (1985), #12412.

## EDUCATION

B.S., Civil Engineering, Massachusetts Institute of Technology, 1972

M.S., Soil Mechanics, Massachusetts Institute of Technology, 1977

Sc.D., Soil Mechanics, Massachusetts Institute of Technology, 1981



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## EMPLOYMENT HISTORY

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|--------------|--|
| 2003-Present | Senior Engineer<br>GeoTechnologies, Inc.<br>Raleigh, NC  |
| 2002-2003    | Senior Engineer<br>Atlas Engineering, Inc.<br>Raleigh, NC  |
| 2001-2002    | Senior Engineer<br>LAW Engineering and Environmental Services, Inc.<br>Raleigh, NC                     |
| 1998 - 2001  | Senior Engineer<br>GeoTechnologies, Inc.<br>Raleigh, North Carolina                                    |
| 1997 - 1998  | Senior Engineer<br>S&ME<br>Raleigh, North Carolina   |
| 1988 - 1999  | Associate Professor of Civil Engineering<br>North Carolina State University<br>Raleigh, North Carolina |
| 1982 - 1988  | Assistant Professor of Civil Engineering<br>North Carolina State University<br>Raleigh, North Carolina |
| 1981 - 1982  | Postdoctoral Research Associate<br>Massachusetts Institute of Technology.<br>Cambridge, Massachusetts  |
| 1979 - 1981  | Research Assistant<br>Massachusetts Institute of Technology.<br>Cambridge, Massachusetts               |
| 1973 - 1979  | Staff Engineer<br>T.W. Lambe and Associates<br>Longboat Key, Florida                                   |