



Robert N. Pine, FASLA, PE
Director of Environmental Planning and Engineering

- Principal and founder of the firm Pine & Swallow Environmental
- Professional practice since 1972 in the areas of environmental and soil engineering, land reclamation, drainage and horticulture
- MLA, Harvard Graduate School of Design
- M.S., Geotechnical Engineering, Cornell University
- B.S., Civil Engineering, Cornell University

Professional Experience in Soil Science and Engineering

Mr. Pine has utilized his combined background in geotechnical engineering, civil engineering and landscape architecture for land reclamation, site engineering and landscape development projects throughout the northeast and worldwide. His work ranges from initial site investigations to detailed design of hydro-geologic systems, including design and restoration of wetlands and water features, soil design, construction specifications and construction observation. His ability to evaluate and interpret soils and soil data allow him to design sustainable ways to make soils more productive.

Mr. Pine developed new standards for soils in the built environment ranging from high production soils, typical turf areas and planting beds to biotreatment, high use turf, over-structure plantings, wetlands and stream systems. He developed precise specifications that allow horticulturally appropriate, structurally stable soils to be placed under and support pavements, economically and reliably. Mr. Pine also developed strategies to modify in-place soils that have inappropriate characteristics or that are excessively compact to improve planting environments. His knowledge of hydrogeology allowed him to develop improved analysis and reduced-cost strategies for subsurface drainage: for high use areas such as sports fields; for general planting conditions; and for isolated plantings. He also developed quality control procedures that P&S implements during the Construction Phase to ensure compliance in blending, installing and maintaining landscape soils, drainage and plantings.

Mr. Pine's understanding of both the physical behavior and the horticultural properties of soils has allowed him to advance the profession's knowledge of soil science, with particular emphasis on manufactured soils and structural soil. He has been an education session presenter at ASLA Annual Meetings since 2009.

Professional Registrations and Affiliations

Commonwealth of Massachusetts – Professional Engineer #29009

Fellow in the Council of Fellows 2012, American Society of Landscape Architecture

Selected Related Projects

Princeton University, Princeton, NJ - Multiple Projects

Central Park Harlem Meer Restoration, New York, NY

Omaha Riverfront Revitalization, Omaha, NE

Botanical Gardens at One Beverly Hills, Beverly Hills, CA