Arianna Barker
Environmental Scientist

- Skilled at field sampling and laboratory analysis of soils
- Experienced in field data collection and construction observation
- Proactive and goal-oriented team player
- Excellent organization, communication and presentation skills
- Special interest in environmental conservation
- B.S., Environmental Studies, UMass Lowell

Professional Experience

Arianna is an environmental scientist with P&S and is knowledgeable and experienced with laboratory analysis of soils as well as project on-site data collection and construction observation. Arianna brings her love of nature and the knowledge she gained in her university studies to every project.

Arianna meets with clients, writes proposals, discerns project specific needs related to planting soil design, and carries out the tasks associated with producing deliverables to meet project deadlines. Arianna is skilled in soils classification, infiltration testing, and field screening of soil samples during site investigations to define existing resources.

Arianna can often be found in Pine & Swallow's in-house soils laboratory. After logging in samples, she communicates with the clients and soil suppliers, and conducts an array of analyses targeted to the project's specific needs. Her skills in testing and analysis of samples, data tabulation and interpretation of results based on the project's planting soil specifications help ensure successful outcomes.

As an integral part of Pine & Swallow's field team, she performs on-site testing of soils including acquisition of samples and infiltration testing on projects of all sizes. During a project's Construction Phase, Arianna reviews formal material submittals to evaluate compliance with the specifications and, when necessary, makes recommendations for adjustments to bring a material to within compliance range. She also performs site visits for horticultural soil mockups and drainage layer installations, testing of subgrade infiltration prior to soil placement and to observe and assess soil placement and evaluate compliance.

Recent Projects

MWRA Dams Turf Study, Multiple Sites in Massachusetts
Harvard University, Cambridge, MA
National Landing, Crystal City, Washington, DC
Omaha Riverfront Revitalization, Omaha, NE
Cambridge Crossing, Cambridge, MA