

FORESTRY SERVICES

Since its inception in 1986, **ASGECI** has provided professional environmental services for Federal, State and local public agencies; and private sector clients in 11 states to facilitate and expedite planning, design, permitting and construction. **ASGECI** is a Woman Owned Small Business, certified with multiple agencies. **ASGECI** holds a GSA Schedule. **ASGECI** has an excellent reputation for quality work with local, State and Federal agencies.

Our staff maintains professional certifications including ISA Certified Arborist; NJ State Approved Forester; NJ Certified Tree Expert; Certified Professional in Soil Erosion and Sediment Control; Certified Soil Scientist; NYCDEP Approved Restoration Specialist; and Professional Wetland Scientist.



Our Services Include:

- ◆ Tree Inventories and Reforestation Plans
- ◆ Tree Protection Plans
- ◆ NJ *No Net Loss Reforestation Act* Compliance
- ◆ NJDEP Green Acres Compliance
- ◆ Environmental Construction Monitoring
- ◆ Stream, streambank and riparian corridor restoration design and construction monitoring
- ◆ Habitat restoration, reforestation and management plans
- ◆ Wetland delineation and Wetlands and Flood Hazard Area permitting
- ◆ Wetland mitigation design, installation and construction and post-construction monitoring
- ◆ Environmental Impact Assessments and Impact Statements – NEPA, State and Local
- ◆ Soil Erosion and Sediment Control Planning and Monitoring
- ◆ GIS mapping and analysis/GPS mapping



ASGECI holds a GSA Schedule in the following Special Item Numbers:

- ◆ 899-1: Environmental Planning Services and Documentation
- ◆ 899-7: Geographic Information Services



ASGECI has extensive experience in performing tree surveys, forest inventories, plant species surveys, hazard tree assessments and pest diagnosis; preparation of tree protection plans for implementation during construction, reforestation planting plans; and design of forested wetland mitigation plans. **ASGECI** also provides monitoring during construction to ensure measures are implemented for protection of trees and their associated root systems. We are experienced in preparation of reforestation plans following the requirements of the NJ *No Net Loss Reforestation Act* and NJDEP Green Acres Program.

ASGECI works with the project engineer, landscape architect, state and federal agencies and local nurseries to assist our clients in choosing the appropriate native trees and shrubs for landscape plantings, habitat restoration plans and reforestation plans. We have extensive

experience working with native plants and local genotypes. We have prepared planting plans, plant schedules, planting details, notes and specifications for a variety of projects and have provided monitoring of plant installation.

ASGECI has provided these services to public clients at the local, state and federal level and to private clients for diverse projects including transportation; electric and gas utilities; solar installation; education; recreation; military facilities; residential; commercial and industrial development; and parks and open space preservation.

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REPRESENTATIVE FORESTRY PROJECT EXPERIENCE

- 🌳 **TRANSCO Northeast Supply Link Stanton Loop Tree Inventory, Franklin, Union and Clinton Townships, Hunterdon County, NJ. *Transcontinental Gas Pipe Line Company/ Ecology and Environment, Inc.*** An ASGECI staff NJ State Approved Forester led staff performance of tree surveys within Green Acres encumbered parcels traversed by the proposed project. This study area encompasses approximately 24 acres of Green Acres parcels. The surveys are required as part of the Green Acres Pre-Application process for major diversions of parkland (N.J.A.C. 7:36-26.9 and 26.10(c)4) as may be required for this project. The health of the trees was documented as they were inventoried. GPS was used to record the location of trees over 6 inches DBH. Prepared a report that included a project description, figures that depict the diversion area(s); basal area tables, project site photographs, and results of the tree inventories.
- 🌳 **Green Acres Forestry Impact Assessment for Williams/Transco Gas Pipeline, Sentinel Expansion – Mountain View Loop, Hillsborough and Montgomery Townships, Somerset County, NJ. *ENSR Corporation.*** ASGECI's staff NJ State Approved Forester performed a field investigation along the approximately 2 mile length Transco Gas Pipeline Right-of-Way, which included two possible alignments. Approximately 3000 trees greater than 6" Diameter at Breast Height (DBH) were inventoried and located with a Trimble GPS. The species, diameter, and health of each individual tree were recorded and located. The tree diameters were converted to basal area (sq.ft.) in order to determine the total impact based on Green Acres requirements. A map of trees greater than 18" DBH was also generated since, under Green Acres rules, impacting these larger trees must be avoided to the extent practicable. Inventoried over 2000 trees >6" DBH on the 17 acre "Murdock Tract," which may be utilized as compensation. Prepared a summary of the impacts to the forest resource and developed a compensation cost based on current nursery prices and standard planting/maintenance/guarantee costs. The Green Acres Program requires that the compensation proposal for tree removal must be prepared and certified by a NJ State Approved Forester.
- 🌳 **NJ *No Net Loss Reforestation Act* Compliance, EIS for Master Plan Projects at The College of New Jersey, Ewing Township, Mercer County, NJ. *The College of New Jersey.*** ASGECI assessed the applicability of the NJ *No Net Loss Reforestation Act*, P.L. 2001 Chapter 10, during the preparation of the EO 215 EIS for various development projects at the College. Analyzed the project sites to determine the applicability of the Act, which requires a reforestation plan for forest clearing of 1/2 acre or more by State agencies. The Pennington Parking Deck project was determined to qualify as forest, however, ASGECI obtained a determination from the NJDEP Department of Parks and Forestry that the project was exempt from the Act because the construction contract had been awarded prior to the effective date of the Act. The Library project site was determined to support mature forest; proposed tree removal therefore required preparation of a Reforestation Plan by NJDEP under the *NJ Reforestation Act*. ASGECI prepared a Forest Lands Assessment for the library site for submission to NJDEP.
- 🌳 **Tree Protection for Nature Center Project, Staten Island, NY. *AFL Contracting, funded and managed by the New York City Department of Parks and Recreation (DPR).*** ASGECI provided a staff Restoration Specialist responsible for surveying and marking the existing trees that were designated for removal and monitored the removals. Marked the trees designated to be preserved and monitored the installation/construction of tree guards around to protect them from construction activities. Identified, marked and supervised the transplant of desirable native tree and shrub species. These trees (some as large as 12" caliper) and shrubs were dug, transported and planted with mechanical tree spade(s). The transplanted trees and shrubs were located in areas and habitats where they would naturally be found growing to increase chances of survival.
- 🌳 **Restoration and Transplanting Plan for Retail Development, Staten Island, NY. *R&D Management.*** ASGECI designed and provided construction oversight of a transplanting plan for an oak barrens transplanting and restoration project, as required mitigation for impacts associated with construction of a Lowe's retail store. The transplanting plan provided recommendations for invasive species removal, grubbing, debris removal, soil profile restoration, tree moving and transplanting, seasonal restrictions, and for two-years of post planting maintenance. Supervised the salvage of native tree and shrub species from a "donor" site within the footprint of the development project and concurrent transplanting in a restored natural area that was preserved. Identified appropriate plant materials to be salvaged, supervised salvage operations and supervised the transplant of salvaged materials.

