



# andropogon

landscape architecture  
ecological planning & design

INSIDE THE LA STUDIO

ASLA ANNUAL MEETING | 2008

## WHO WE ARE

Founded more than thirty years ago, Andropogon pioneered the principle of “designing with nature,” creating landscapes inspired by the careful observation of natural processes and informed by the best environmental science.

Our body of work includes early examples of innovative green strategies that have withstood the test of time as well as a broad range of landscape, site planning, and environmental projects, both nationally and abroad.

The elegance and economy of natural form and process continues to be the benchmark by which we measure the success of our work — from the smallest construction detail to the multi-layered patterns of sites thousands of acres in extent.

Our clients often tell us that we combine integrated design with a depth of ecological understanding in synergistic ways that are rare in the profession. In essence, we continue with every project to embody our

Our mission...

...to weave together the landscapes of man and nature for the benefit of both.



## OUR SERVICES

### LANDSCAPE ARCHITECTURE

- Site Analysis
- Site and Landscape Design
- Landscape Management
- Permit and Regulatory Preparation
- Construction Documentation & Observation
- Historic Preservation and Adaptive Reuse

### MASTER PLANNING

- Program Analysis and Development
- Mixed-Use & Residential Development
- Institutional Visioning and Development
- Stormwater Management
- Ecological Restoration
- Brownfield Redevelopment

### REGIONAL PLANNING

- Environmental & Land Use Planning
- Environmental Assessment
- Feasibility Studies
- Natural Resource Management
- Open Space and Trail Systems
- Community Planning and Facilitation

### LEED STRATEGIES

- Site Selection
- Environmental Assessment
- Site Planning & Design
- Stormwater Management



## CLIENTS WITH SIGNIFICANT LANDSCAPES

Atlanta Botanical Garden, GA  
Bryn Mawr College, PA  
Cabrini College, PA  
Center City District, Philadelphia  
City of Philadelphia  
Clemson University, SC  
Cornell University, NY  
Crosby Arboretum, MI  
The Dallas Arboretum, TX  
Fairmount Park Commission, PA  
General Services Administration  
Grey Towers National Historic Landmark, PA  
Howard Hughes Medical Research Foundation, VA  
Lehigh Valley Hospital, PA  
The Louisville Olmsted Parks Conservancy, KY  
The Lawrenceville School  
Middlebury College, VT  
Morris Arboretum of the University of Pennsylvania, PA  
National Storytelling Center, TN  
Nikko Kirifuri Resort, Japan  
The Perot Group, TX  
Princeton University, NJ

Rochester Psychiatric Institute  
Rider University  
Sidwell Friends School, DC  
South Carolina Botanical Garden, SC  
SmithKline Beecham, PA  
Stapleton Redevelopment Foundation, CO  
The Pennsylvania State University, PA  
Thomas Jefferson University  
Trinity College, CT  
Tyler Arboretum, PA  
University of Michigan  
University of North Carolina  
University of Pennsylvania  
University of Toronto, Ontario  
University of Vermont  
University of Virginia  
U.S. Army Corps of Engineers  
U.S. Fish and Wildlife Service  
Washington National Cathedral, DC  
Western Pennsylvania Conservancy, PA  
The World Bank, Vanuatu and Sri Lanka  
Yale University, CT

## SELECTED PARTNERS

Architecture +  
Architerra  
Ayers Saint Gross  
Ballinger  
Becker Winston Architects  
Beyer Blinder Belle  
Bowie Gridley Architects  
Bohlin Cywinski Jackson  
Burt Hill Kosar Rittelmann Associates  
CBT/Childs Bertman Tseckares  
Charles Rose Architects, Inc.  
Cook + Fox  
Cooper, Robertson & Partners  
Croxtton Collaborative Architects  
Einhorn Yaffee Prescott  
Elkus/Manfredi Architects, Ltd.  
EwingCole  
Gannett Fleming Inc.  
Goody Clancy  
Gund Partnership  
Hanbury, Evans, Wright, Valattas  
HNTB  
IKM, Inc.

Kieran Timberlake Associates  
KSS Architects  
Lake/Flato Architects, Inc.  
Michael Dennis & Associates  
Michael Graves & Associates  
Moore Ruble Yudell  
Overland Partners  
Perkins+Will  
Rafael Viñoly Architects  
R. M. Kliment & Frances Halsband  
Robert A.M. Stern Architects  
Schmidt Copeland Parker Stevens  
Smith Group  
Skidmore Owings & Merrill  
Susan Maxman & Partners, Ltd.  
The Hillier Group, Inc.  
The Lawrence Group  
Venturi, Scott Brown & Associates  
Vitetta Group  
Voith & Mactavish Architects  
Wallace, Roberts & Todd  
William McDonough + Partners  
Zimmer Gunsul Frasca

# RECENT AWARDS



Nikko Kirifuri Resort in Japan, completed 1996, with Venturi, Scott Brown & Associates.

**2008 AIA COTE TOP TEN GREEN PROJECT** for the Center for Art & Science at Cambridge School of Weston, with Architerra, Inc.

**2008 AIA COTE TOP TEN GREEN PROJECT** for the Sculpture Building at Yale University, with Kieran Timberlake Associates

**STORMWATER BMP AWARD** for Valley Green Environmental Restoration Program, Philadelphia PA

**2007 AIA COTE TOP TEN GREEN PROJECT** for Sidwell Friends Middle School, Washington, D.C., with Kieran Timberlake Associates

**2006 AIA COTE TOP TEN GREEN PROJECT** for the Philadelphia Forensic Science Center, with Croxton Collaborative

**2006 STORMWATER BMP AWARD** for Thomas Jefferson University Plaza in Philadelphia

**2005 REGIONAL MERIT AWARD** from the Canadian Society of Landscape Architects for King's College Circle Precinct at the University of Toronto.

**2005 TORONTO ARCHITECTURE & URBAN DESIGN AWARD**, for King's College Circle Precinct at the University of Toronto

**2004 THE LANDMARK AWARD** from the American Society of Landscape Architects for Morris Arboretum of the University of Pennsylvania

**2004 COOPER-HEWITT NATIONAL DESIGN AWARD, FINALIST** in the Environmental Design category

**2004 GRAND JURY PROJECT AWARD** from the Preservation Alliance for Penn's Quadrangle College Houses

**2003 AIA COTE TOP TEN GREEN PROJECT** for the Cusano Environmental Education Center, with Susan Maxman Partners

**2003 LANDSCAPE DESIGN AWARD** from The American Horticultural Society

**2003 AIA CONNECTICUT DESIGN AWARD** for the Sterling Divinity Quadrangle, Yale University

**2002 AIA COTE TOP TEN GREEN PROJECT** for the Adam Joseph Lewis Center for Environmental Studies at Oberlin College

**2002 MERIT AWARD IN PLANNING/ANALYSIS** from the American Society of Landscape Architects PA/DE Chapter for the Landscape Master Plan for Fallingwater

**2001 DESIGN MERIT AWARD** from the American Society of Landscape Architects for the Landscape Master Plan for Nikko Kirifuri Resort, Japan

**2000 MERIT AWARD** in Communications from the American Society of Landscape Architects for

**2000 CENTENNIAL MEDALLIONS** "recognizing significant works of landscape architecture," from the American Society of Landscape Architects to the Morris



The landscape surrounding Oberlin College's new environmental center includes sustainable green systems that serve as a living laboratory for learning.

## LEED™ PROJECTS & “GREEN” AWARDS



Andropogon's site design for the Cusano Environmental Education Center integrates landscape architecture, ecological planning, outdoor exhibits, and wetland restoration.

### AIA COTE Top Ten Green Projects

Selected by The American Institute of Architects, Committee on the Environment.

#### **Garthwaite Center for Science & Art**

Cambridge School of Weston, Weston MA  
AIA COTE Top Ten Green Building 2008, with  
Architerra, Inc.

#### **Sculpture Building and Gallery**

Yale University, New Haven CT  
AIA COTE Top Ten Green Building 2008, with Kieran  
Timberlake Associates.

#### **Sidwell Friends Middle School**

Washington D.C.  
AIA COTE Top Ten Green Building 2007, with Kieran  
Timberlake Associates.

#### **Philadelphia Forensic Science Center**

Philadelphia PA  
AIA COTE Top Ten Green Building 2006, with Croxton  
Collaborative Architects.

#### **Cusano Environmental Education Center**

John Heinz National Wildlife Refuge, Philadelphia PA.  
AIA COTE Top Ten Green Building 2003, with Susan  
Maxman & Partners.

#### **Adam Joseph Lewis Center for Environmental Studies, Oberlin College, Oberlin OH**

AIA COTE Top Ten Green Building 2002, with  
John Lyle and William McDonough + Partners.

### LEED™ Projects

Leadership in Energy & Environmental Design,  
U.S. Green Building Council

#### **Sculpture Building and Gallery**

Yale University, New Haven CT  
Awarded LEED™ Platinum, with Kieran  
Timberlake Associates.

#### **Johnson Hall of Science**

St. Lawrence University, Canton, NY  
Awarded LEED™ Gold, with Croxton  
Collaborative and KlingStubbins

#### **Sidwell Friends Middle School,**

Washington D.C. with Kieran Timberlake  
Associates. Awarded LEED™ Platinum, the  
highest level of certification. This is the first  
Platinum-rated K-12 school in the world and  
the first Platinum building in Washington, D.C.

#### **Student Residential Learning Complex**

University of Vermont, Burlington VT  
Awarded LEED™ Gold, with Hanbury Evans  
Wright Vlattas + Company.

#### **West Residential Campus Initiative**

Cornell University, Ithaca NY  
LEED™ project in process, with Kieran  
Timberlake Associates

### In Process:

#### **Adam Joseph Lewis Center for Environmental Studies**

Oberlin College, Oberlin OH  
LEED™ certification in process, with John Lyle  
and William McDonough + Partners.

#### **McCormack Post Office & Court House**

Boston MA  
LEED™ project in process, with Goody Clancy

## Nikko Kirifuri Hotel & Spa, Nikko City, Tochigi Prefecture, Japan

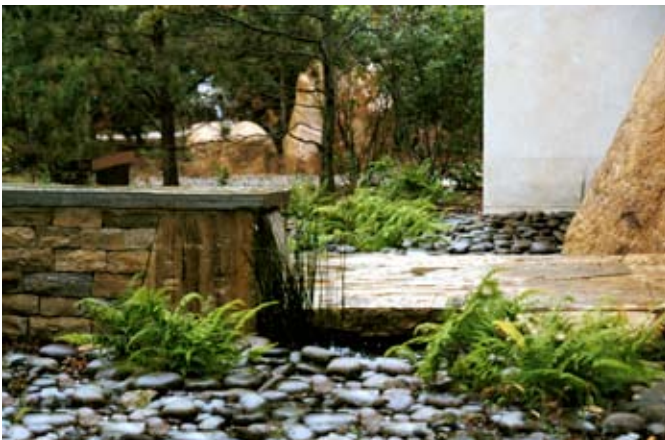


The location for the Nikko Kirifuri Hotel and Spa was on a plateau in a National park nestled deep within the Mountains of Central Japan. The previously clear-cut site had given way to erosion and contained deep drainage gulleys, steep slopes and highly erodible volcanic soils. The sensitivity of the landscape would require a minimally invasive construction approach. Andropogon Associates developed a series of imaginative strategies to realize the goal of both the forest and the village. In order to minimize the construction footprint an existing service road was utilized during construction and then taken up upon completion. Access roads were forested and constructed in a terraced fashion. The primary access bridge was cantilevered and built in an inclined curve to protect the stream valley below. Retention basins were recast as a system of ornamental stormwater ponds with waterfalls and garden terraces. Reforestation was achieved through marking and transplanting native trees harmed in construction zones to a nursery at the foot of the site. Upon maturation they were replanted with vegetation from the landscape.



2001 DESIGN MERIT AWARD from the American Society of Landscape Architects

## The Ross School, East Hampton, New York



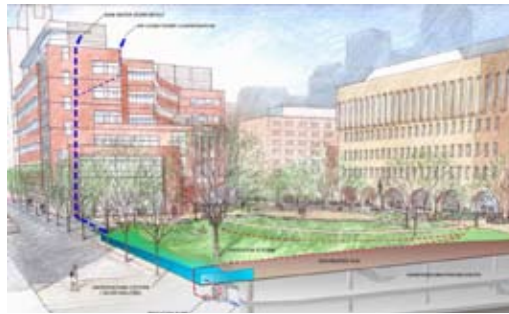
The Ross School is an alternative private school located on 140-acres in the oak-pine forest of eastern Long Island. Serving as the “constant” for the client on this multi-million dollar, fast-tracked project, Andropogon designed the landscapes for the entire campus -- building landscapes, outdoor classrooms, plazas and courtyards, pedestrian paths, amphitheaters, entrance roads, and parking lots. The campus landscapes integrate the built world into the unique landscape of the Pine Barrens. This strategy extends the inside classroom experience outside, creating outdoor rooms of native woodlands and dramatic, glacial boulders from a local terminal moraine. The spare, elegant evergreen landscape, native to Long Island, offered a plant palette to reinterpret classic motifs from East Asian gardens. The resulting landscape design reflects the holistic and sustainable philosophy of the school’s educational goals of balancing nature and culture, East and West.



## Thomas Jefferson University Plaza, Philadelphia, Pennsylvania



Andropogon Associates acquired the lead role in transforming the pedestrian experience and developing streetscape and landscape enhancements and improvement strategies to create a sense of place for the campus of Thomas Jefferson University. A permanent structural stormwater BMP incorporated into the adjacent academic building reduces stormwater discharge to the City sewer by diverting water to irrigation systems. Water collected in an underground cistern beneath the Green and is utilized to irrigate the plaza's vegetation.



At TJU, AA used advances simplicity to bind the environment with Architecture, creating a sense of place embedded in the urban fabric of Philadelphia

Awards: Stormwater BMP Award from The Philadelphia Water Department

## The University of Vermont, Residential Heights, Burlington, Vermont

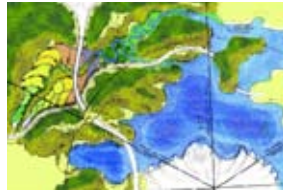


Demonstrating the University's commitment to environmental stewardship, this 800-bed new residential learning complex is designed as an extension of the academic experience, providing a living laboratory for students, faculty and staff. Buildings and walkways are oriented to maximize solar exposure and enhance connections to the larger campus fabric. A series of designed water features replicates the natural hydrologic cycle, allowing water to infiltrate and recharge groundwater supply. Additionally, building courtyards, green roofs, wetlands, trees, landforms, and the site hardscape are all designed to improve the microclimate during winter and summer.

Awarded LEED™ Gold, with Hanbury Evans Wright Vlattas + Company.



## 2008 Summer Olympics Site Design Competition, Beijing, China



Andropogon Associates and their Chinese planning partners were selected as a finalist in the design competition for the 2008 Summer Olympic site in Beijing, China. Located within the city boundaries, the initial plan for the Forest Park and the Central Zone of the Olympic site included more than eleven square kilometers of programmed open space and natural areas. As one of the largest proposed re-creations of

natural systems in an urban area, the transformation of derelict land into desirable public open space would become the “green heart” of Beijing. Strategies for urban renewal, transportation, restoration, flood control, recreation, and habitat re-creation were combined with a cutting-edge urban design to propose an urban resurrection at an unprecedented scale. The original concept for the Olympic site was organized around a 250-acre “Dragon Lake”. Because Beijing receives less than 32 inches of rainfall annually creating a healthy and functioning body of water required



developing strategies for using recycled water. The plan also proposed creating diverse topography on a formerly flat plain using material from the lake excavation and other sources to provide a variety of appropriate potential plant and animal habitats from lake edge to hilltop.

## Sidwell Friends School, Washington D.C.



Andropogon’s Master Plan & Site Design at Sidwell Friends School included a central courtyard with a constructed wetland designed to utilize storm and wastewater for both ecological and educational purposes. Andropogon’s plan integrated water management solutions into the landscape, inextricably linking the building to its site. The wetland becomes a “working landscape”; using biological processes to clean water while providing students with a vivid example of how such systems work in nature.



1. EXISTING MIDDLE SCHOOL
2. MIDDLE SCHOOL ADDITION WITH GREEN ROOF
3. TRICKLE FILTER WITH INTERPRETIVE DISPLAY
4. WETLANDS FOR WASTEWATER TREATMENT
5. RAIN GARDEN
6. POND
7. OUTDOOR CLASSROOM
8. BUTTERFLY MEADOW
9. WOODLAND SCREEN AT NEIGHBORHOOD EDGE
10. PLAY EQUIPMENT



Awards: 2007 AIA COTE Top 10 Green Projects  
LEED™ Platinum Certified

## Phipps Environmental Conservatory, Pittsburg, Pennsylvania



As the nation's first teaching conservatory, the mission of the Phipps Conservatory and Botanical Gardens has evolved to position the institution at the forefront of the environmental education movement. To advance their mission, the Conservatory is currently embarking on the final phase of its expansion: the construction of an Education-Research-Administration Building. Planned on a brownfield site, the 19,000 sf facility will showcase cutting-edge environmental technologies to promote the building as part of the exhibit as much as the specimens within it. Designed to meet the requirements of the Living Building Challenge, the new facility will meet the requirements of Net Zero Energy, Net Zero Water and Sustainable Water Discharge. One hundred percent of the building's energy and water needs must be met by on-site renewable energy, captured precipitation and reused water. In addition, one hundred percent of site-related stormwater must be treated on-site. Once finished, the new facility will both complete the master plan and serve as a demonstration facility unlike any other in the world: a true living building.



## Avalon Park & Preserve, Stony Brook Harbor, New York



Conceived and designed as a private park and memorial garden open to the public, Avalon is a model for ecological design within one of the most populous regions of the United States. Located in a historic village on the north shore of Long Island, redesigning this 7-acre abandoned site involved dramatic habitat recreation and restoration of local plant communities, and the creation of a contemplative journey through a diverse sequence of native landscapes. Threatened by the increasing homogenization of suburbia, Avalon protects and enhances the cultural and environmental integrity of the regional landscape. The entire seven acres of Avalon, once overrun by invasive exotics, is designed as a native garden. It is a journey through a wide diversity of native habitats representative of northern Long Island. At the boundary, the park becomes the gateway to this preserve, 76 acres of natural landscape, which is part of the larger property owned by the client and open to the public.



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