

## *Curriculum Vitae*

Curtis E. Stewart, PLA

*Associate Professor*

Department of Plant Science  
University of Tennessee  
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### **Formal Education:**

#### **Master of Landscape Architecture, 1990.**

The University of Georgia, School of Environmental Design, Athens, GA, 30602.  
1986 -1990.

*Thesis:* Integrating Urban Use and Natural Characteristics – Potential  
Redevelopment of the West Prong Little Pigeon River, Gatlinburg,  
Tennessee.

#### **Bachelors of Science Degree, 1985.**

The University of Tennessee. Department of Ornamental Horticulture and Landscape  
Design, Knoxville, TN, 61790. 1977 -1985.

### **Positions Held:**

#### **Associate Professor.**

The University of Tennessee, Plant Sciences Department, College of Agricultural  
Sciences and Natural Resources, Knoxville, TN 37996.  
2004-present. 100% Teaching.

#### **Project Manager/Senior Landscape Architect.**

Barge, Waggoner, Sumner & Cannon, Inc., Oak Ridge, TN.  
1991-2003.

#### **Landscape Architect.**

Midwest Technical, Inc., Oak Ridge, TN.  
1992-1993.

#### **Assistant Project Manager.**

Laubmann-Reed & Associates., Atlanta, GA.  
1989-1991.

## **Related Professional Experience:**

Currently maintains professional practices in Tennessee and North Carolina specializing in community visioning and master planning, site design, landscape architecture.

## **Academic Specialties:**

Landscape Design and Construction, Specialty Landscape Design, Site Design, Site Analysis

## **Courses Taught:**

- ***PS 291 Spring Herbaceous Plants*** (3 credit hours)  
Term (number of students): Summer 2008 (1)
- ***PS 350 Basic Landscape Construction*** (Lecture and lab; 3 credit hours)  
Term (number of students): Spring 2005 (35); Spring 2006 (17); Fall 2006(11);  
Spring 2007 (16); Fall 2007 (10); Spring 2008 (14); Fall 2008 (13); Spring 2009 (20);  
Fall 2009 (15); Spring 2010 (11); Fall 2010 (6); Spring 2011 (16); Fall 2011 (8)
- ***PS 360 Landscape Construction Practicum*** (Lab; 3 credit hours)  
Term (number of students): Fall 2004 (21); Spring 2005 (11); Fall 2005 (6); Fall 2006  
(11); Fall 2007 (9); Spring 2008 (14); Fall 2008 (13); Fall 2009 (6); Fall 2010 (6);  
Fall 2011 (10)
- ***PS 450 Specialty Landscape Construction*** (Lecture; 3 credit hours)  
Term (number of students): Fall 2004 (22); Fall 2005 (15); Spring 2007 (22); Spring  
2008 (19); Spring 2009 (14); Fall 2009 (5); Spring 2012 (10)
- ***PS 485 Computer Aided Landscape Design*** (Lecture/lab; 3 credit hours)  
Term (number of students): Spring 2004 (12); Fall 2004 (14); Spring 2005 (15); Fall  
2005 (18); Spring 2006 (16); Fall 2006 (7); Spring 2007 (13); Fall 2007 (10); Spring  
2008 (13); Fall 2008 (7); Spring 2009 (12); Fall 2009 (15); Spring 2010 (7); Fall 2010  
(8); Spring 2011 (9); Spring 2012 (14)
- ***PS 492 Internship in Horticulture and Plant Sciences*** (3 credit hours)  
Term (number of students): Spring 2006 (1); Fall 2006 (3); Summer 2007 (1);  
Fall 2007 (5); Summer 2008 (1); Fall 2008 (8); Spring 2010 (3)
- ***PS 493 Problems in Horticulture and Plant Sciences*** (1-3 credit hours)  
Term (number of students): Fall 2004 (3); Spring 2006 (3); Fall 2006 (3); Spring  
2007 (2); Fall 2007 (1); Spring 2008 (1); Spring 2008 [Intro to SketchUp] (4); Fall  
2008 (3)
- ***LAR 531 Advanced Landscape Construction*** (Studio; 3 credit hours)  
Term (number of students): Spring 2010 (10); Spring 2011 (10); Spring 2012 (10)
- ***LAR 541 Landscape Architecture Site Design I*** (Studio; 6 credit hours)  
Term (number of students): Fall 2008 (10)
- ***LAR 542 Landscape Architecture Site Design II*** (Studio; 6 credit hours)  
Term (number of students): Spring 2010 (9); Spring 2011 (10)

## **Research Focus:**

In addition to the 100% Teaching load, I am currently coordinating a series of research/demonstration/education projects. The Low Impact Development Demonstration Area (LIDDA) is a joint effort with Plant Sciences, the Tennessee Yards and Neighborhoods Initiative, Knox County Stormwater, the UT Biofuels Initiative and the Forestry Department with the multipurpose focus of research, demonstration and design.

Elements of the LIDDA initiative include Greenroof plant adaptability and survivability, stormwater quantity and quality, building thermal variances, raingarden and bog environment design, native plant materials, switchgrass demonstration plots, native grasses demonstration plots, organic gardening, hardscape materials design and installation methods.

The LIDDA is a hands-on laboratory for students and faculty with the goal of a centralized area where innovative and sustainable design and construction can be demonstrated, experimented with, and the information and ideas shared with the public.

## **Grant Funding/Awards:**

**2008** Brosnan, J.T., J.C. Sorochan, **C.E. Stewart**, and T.J. Samples. 2008. Evaluating the performance of various synthetic turf systems in comparison to both cool and warm-season turfgrass. AstroTurf, Inc. Seven years: 2009-2016. \$1,500,000.00 *Funded and In Construction*

## **Miscellaneous Program Funding:**

Landscape Construction Gift Account (LCGA)	\$1,620
Private Gifts (Green T and LCGA)	\$6,240
Private Gifts (MLA Student Fund)	\$ 190
Equipment and Supply Donations	<u>\$5,550</u>
Total	\$13,600

## **Grant Submissions:**

**2008** **Stewart, C.E.**, T.W. Moir-McClean. 2008. The Grove Prize for Excellence in Landscape Architecture Design. Christopoulos & Kennedy. \$5,000. *Not Funded*.

## **Graduate Student Committees:**

Chandler, Chris – *Integrating and Applying Conservation Development Principles to Commercial Sites: A Business Park in Bristol, TN*. (MLA, College of Architecture and Design/College of Agricultural Sciences and Natural Resources, 2011) **Major Professor**

Cooper, Ezekial – *We're Still Here: Culturally Sensitive Design and Planning, Cherokee, NC*. (MLA, College of Architecture and Design/College of Agricultural Sciences and Natural Resources, 2011) **Major Professor**

April M. Gray – *Forces of Time: Nature, Perception and the Spaces of Architecture* (M.A., College of Architecture and Design, The University of Tennessee, 2008-2009)

Jenny C. Pfeffer – *Horticultural Therapy in Tennessee* (M.S. Plant Sciences, The University of Tennessee, 2006-2007)

### **Publications:**

### **Refereed Journals:**

Pfeffer, J., C. Stewart, D. Deyton. 2008. Designing a Rooftop Horticultural Therapy Center for a Geriatric Behavior Center. Southern Nursery Association Annual Tradeshow, Atlanta, GA. August 7-9. Vol. 53:425-429.

### **Co-author of Book:**

Cooper, Zeke and C. Stewart. 2008. Walking Tour Directory of the UT Gardens.

### **Papers in Refereed Conference Proceedings:**

Stewart, Curtis, Jenny Pfeffer, and Dennis Deyton. 2008. *Designing a Rooftop Horticultural Therapy Center for a Geriatric Behavior Center*. Proc. Of the Southern Nursery Assn. Res. Conf. 53:425-429.

### **Articles in Popular Press:**

Stewart, C. 2007. An Unexpected Gift...from Giving. Tennessee Greentimes. Vol. 8/No. 1, Spring.

### **Articles Appearing In In-House Publications:**

Stewart, C. 2009. Green T Impact. Plant Sciences Newsletter. Winter 2010.

### **Publications in Professional and Academic Discipline:**

#### **Principal Author**

**Cherokee Downtown Business District Master Plan, 2001**  
Published by the Eastern Band Cherokee Indians (EBCI).

**Downtown Sevierville Streetscape Improvement Plan, 1998**

Published by The City of Sevierville, The Sevierville Downtown Association and Barge, Waggoner, Sumner & Cannon, Inc.

**Master Plan - Brownfield Redevelopment within the North Potato Creek Watershed, 1998**

Published by Glenn Springs Holdings, Inc. and Barge, Waggoner, Sumner & Cannon, Inc.

**Candidate Site Identification for the Spallation Neutron Source Facility, Oak Ridge, TN 1996. Published by the US Department of Energy. ES/EN/SFP-47**

**Oak Ridge Reservation Future Land Use Technical Suitability Criteria, 1995.**

Published by the US Department of Energy. ES/EN/SFP-41

**Paducah Gaseous Diffusion Plant Site Development Plan, 1994. Published by the US Department of Energy. Paducah, KY. KY/EN/SFP-3**

**Paducah Gaseous Diffusion Plant Technical Site Information, 1994. Published by the US Department of Energy. Paducah, KY. KY/EN/SFP-4**

**Portsmouth Uranium Enrichment Plant Site Development Plan, 1992. Published by the US Department of Energy. Portsmouth, OH**

**Portsmouth Uranium Enrichment Plant Technical Site Information, 1992. Published by the US Department of Energy. Portsmouth, OH.**

**Oak Ridge Reservation Directional Signage Study, Oak Ridge, TN. Published by the US Department of Energy. Date of publication unknown.**

Contributing Author

**Tennessee Higher Education Commission (THEC) Landscape Architecture Program** – Proposal for the Initiation of a New Degree Program, 2007. Submitted by the College of Agricultural Sciences and natural Resources and the College of Architecture and Design.

**US Department of Energy Common Ground Future Land Use Planning Process\*  
US Department of Energy Site Development Planning Technical Training Manual\***

\* These documents were published by the **US Department of Energy**. Dates of publications unknown.

**Base Exterior Architecture Plan - Rota, Spain. 1991. Published by the US Department of Defense.**

**Base Exterior Architecture Plan** - Naval Surface Warfare Center - Dahlgren, VA, 1990. Published by the **US Department of Defense**.

**Dukes Creek Woods - A Feasibility Study**, 1988. Published by the School of Environmental Design, **University of Georgia, Athens**.

### **Invited Presentations to Professional Groups:**

- 2008.** Ijams Nature Center. April 4. *Thinking Above the Box – Tennessee Greenroofs*. Knoxville, TN. One hour presentation and discussion of green roof technology and design to Ijams Nature Center staff, members and invited public.
- 2006.** Tennessee Agriculture Experimental Station Workshop. October 19. *A Step Up From the Ordinary*. Murfreesboro, TN. One hour Field Day presentation to business leaders and community on improving landscaping on a small scale.
- 2006.** Gardening By The Drop Workshop. August 17. *Rooftop Gardens*. Knoxville, TN. Presentation to civic and community leaders on the issue of stormwater quality and quantity in east Tennessee and the role greenroofs can play.
- 2006.** Summer Celebration Field Days. July 13. *Build It & They Will Come*. Jackson, TN. Field Day Presentation on the step-by-step process of landscape design and how proper design and installation can increase curb appeal and property values.

### **Co-author of Invited Presentations to Professional Groups:**

- 2008** Southern Nursery Association Annual Tradeshow, Atlanta, GA. August 7-9. Pfeffer, J., **C. Stewart**, D. Deyton. *Designing a Rooftop Horticultural Therapy Center for a Geriatric Behavior Center*.
- 2007** American Society for Horticultural Science Annual Conference, Scottsdale, Arizona. July 16-19. Pfeffer, J., **C. Stewart**, D. Deyton. *Designing a Rooftop Horticultural Therapy Center for a Geriatric Behavior Center*.
- 2007** Tennessee Association of Homes and Services for the Aging. February 20. Pfeffer, J., **C. Stewart**, D. Deyton. *Healing Courtyard at Riverstone Senior Behavior Center*.

### **Participation in Design Charettes::**

- 2008** Participated in 1-day planning and design charette for the redesign of Volunteer Boulevard on the UT campus. Worked with university campus and facility personnel, industry professionals, faculty and architecture students – focusing on circulation, future campus building placements and streetscape improvements for Volunteer Blvd.
- 2008** Helped lead a 1-day planning and design charette as part of a design team consisting of university personnel, industry professionals, faculty and graduate landscape architecture and architecture students. Charette involved the design of a

multi-level parking structure, new academic buildings and a large campus park/greenspace for the existing parking lot at the corner of Andy Holt Ave and Philip Fulmer Way. Led separate student design charrettes of site specific issues. Assisted in public presentation to media outlets and UT athletic department as part of larger funding request.

- 2007** Coordinated and led student design competition for the development of landscape and circulation improvement plans for the University of Tennessee Space Institute (UTSI), Tullahoma, TN. Worked with the Director of Operations and Facilities on project involving student field trip to UTSI, site analysis, UTSI personnel interviews, team designs and presentations to UTSI management for final review and approvals.
- 2006** Coordinated student competition for design and construction of a break area for UT Agricultural Campus Employees. Activities included client interviews, site analysis and evaluation, design, presentation and construction of area amenities.

### **Honors and Awards:**

- 2008** The W.F. & Golda Moss Outstanding Teaching Award.
- 1997** 2<sup>nd</sup> Place National Concrete Pavement Awards – Commercial Cast-in-Place Division. Gatlinburg Riverwalk, Gatlinburg, TN.
- 1997** Award of Excellence from Tennessee Ready Mix Concrete Association. Gatlinburg Riverwalk, Gatlinburg, TN.
- 1995** Merit Award. American Society of Landscape Architects – Tennessee Chapter. Common Ground Process Participant’s Kit.
- 1993** Merit Award. American Society of Landscape Architects – Tennessee Chapter. Red Run Site Development Plan.
- 1990** Best Outdoor Living Space. Greater Atlanta Home Builder’s Association. Eagle’s Landing.

### **Service to Students:**

- 2011 – present.** Department of Plant Sciences Undergraduate Advising Coordinator
- 2004 – present.** Faculty Advisor – Green T Student Landscape Organization (and previously UT Hort Club).
- 2004 – present.** Faculty Sponsor/Coordinator - PLANET (formerly ALCA) Student Competition/Career Day.

### **Service on Academic Committees:**

- 2011 – present.** UT Faculty Senate – Plant Sciences Department Representative.
- 2011 – present.** UT Faculty Senate Appeals Committee.
- 2008 – present.** College of Agricultural Sciences and Natural Resources (CASNR) Graduate Quality Task Force.

- 2008 – present.** Master of Landscape Architecture (MLA) Intercollegiate Graduate Faculty Search Committee.
- 2008 – present.** College of Architecture and Design (COAD) Dean’s Advisory Committee.
- 2008 – present.** COAD Graduate Studies Committee.
- 2008 – 2010.** University of Tennessee - Cherokee Farm Master Plan Evaluation Committee.
- 2007 – present.** MLA Graduate Program Curriculum Committee.
- 2007 – present.** MLA Graduate Admissions Committee
- 2006 – 2008** MLA Graduate Program Co-Coordinator.
- 2007 - 2008** University of Tennessee Gardens Director Search Committee.
- 2006 – 2007** Intercollegiate Graduate Program in Landscape Architecture Committee – Co-Chair
- 2005 – 2006** Department Facilities and Equipment Committee
- 2005 – 2006** Department Information Systems Committee
- 2004 - 2005** Department Social Committee – Chair

**Service to Professional Organizations:**

- 2005** Tennessee Chapter American Society of Landscape Architects, State Annual Meeting Awards Chairman
- 2005** Arkansas Chapter American Society of Landscape Architects, State Annual Meeting Jury Committee Chairman
- 2004-2005** East Tennessee Community Design Center – Board Member
- 2002** ASLA Tennessee Chapter Secretary
- 1996** ASLA East Tennessee Section Chairman

**Service to Public/Private Organizations:**

**2010 – present.** Member: Board of Advisors, Tennessee Yards and Neighborhoods.

**2007 – 2010.** Community Master Planning and residential landscape architectural guidelines for private gated mountain community in Blount County, TN. Coordinating with property owners and Great Smoky Mountains Institute at Tremont, developing native plant palette, reforestation and restoration plans, invasive exotic plant identification and eradication plans. Also writing guidelines for ridge top and slope development and watershed protection. Serving as developer’s reviewer of all residential landscape plans.

**2007 – 2010.** Residential landscape architectural consulting for private property association for the development of riparian revegetation plans and native meadow establishment - Blount County, TN.

**2006 – 2009.** Landscape architectural design and consultation to the American Eagle Foundation in association with the Dollywood Corporation. Service includes evaluation,



redesign and presentation materials for PR and funding by client for the redevelopment of the American Eagle enclosures and exhibits located in Dollywood, Sevierville, TN.

**2008.** Organized and performed production of Site Inventory and Analysis documents for a 70-acre lakeside development in Union County, TN. Documents will assist and guide owner/developer in the planning and design of proposed single-family and mountain resort vacation development from a sustainable and environmentally responsible perspective. Coordinated effort with MLA graduate students as introduction to professional practice, site analysis and site design.

**2008.** Working with western North Carolina mountain top development, organized and led a 3-day research and design charette involving MLA graduate students, MLA faculty and property owners for the design and development of a Sustainable Creative Writing Retreat and Lodge. Charette involved research in vernacular architecture; design methodologies from oriental and occidental schools of thought as well as site selection and sustainable land planning and design issues critical to rural Appalachia and its culture.

### **C-3.c.i. Recreational Facilities**

2000-2004

**Cherokee School Park** (Cherokee, NC) Coordinated design team in providing architectural, landscape architectural and engineering services for a new park master plan. Park design included pavilion, restrooms, art displays, fire pit and gathering areas, parking and landscaping for the Cherokee community. Design theme focused on re-creating historical Cherokee Schoolhouse previously located on the site.

**Persimmon Ridge Campground** (Jonesborough, TN) Provided site analysis, planning, conceptual design and surveying services including the development of phasing recommendations and a preliminary opinion of probable costs.

**Pigeon Forge Greenways Master Plan** (Pigeon Forge, TN) Completed the Master Plan for Pigeon Forge Greenways, one of the primary gateway communities to the Great Smoky Mountains National Park. The Master Plan was developed from two primary sources: 1) the inventory and analysis of technical information for the project area; and 2) the input from community leaders and interested residents. Conducted an inventory and analysis of natural and built systems, identified opportunities and constraints with trail recommendations and facilitated public workshops. Also provided flexible phasing recommendations of the trail system (into nine trails) with opinions of probable costs, and identified potential funding sources.

**Townsend Greenway Trail** (Townsend, TN) Provided planning and design of an ISTE grant funded greenway trail along the Little River. The trail will accommodate bicycle and pedestrian traffic.

**Heritage Park Greenway and Trail System** (Vonore, TN) Provided design assistance for a several acre lakeside passive recreation park containing a picnic pavilion, play structure, walking trail and lake overlook. Responsible for construction administration and project closeout.

**Claxton Community Park** (Claxton, TN) Provided site and recreation design for an upgrade/expansion to a park as a volunteer professional for the East Tennessee Community Design Center. Park facilities include baseball/softball fields, playground, and other active recreation facilities.

**Lonsdale Homes Park** (Knoxville, TN) Prepared preliminary recreation master plan for a park serving a public housing community. Facilities include baseball field, basketball courts, picnic areas, playgrounds, and walking trail.

1995-1999

**Mills Park Expansion** (Gatlinburg, TN) Responsible for programming, conducting public workshops, and preliminary design for a four-acre addition to Mills Park. Improvements included a covered bridge, parking, picnic pavilion with restrooms and fireplace, amphitheater and performing stage, passive and active recreation amenities, and botanic stroll garden. Phase I was completed in 1995; Phase II in 1997.

**Ripley's Aquarium of the Smokies** (Gatlinburg, TN) Led design team in providing architectural, landscape architectural and engineering services for the design and construction of the Aquarium site, grounds and public areas. Project included coordination between client and city as well as coordinating efforts with ongoing roadway, bridge and streetscape projects adjacent to the site. Design elements included multi-level public entry and gathering plazas, pedestrian circulation, parking and service access, landscaping and lighting.

**Lower Middle Creek Trail** (Pigeon Forge, TN) This schematic design was coordinated with a proposed new state highway for the Sevierville/Pigeon Forge area. This project was recently completed and provides a vital link in the Pigeon Forge Greenway System.

**Oconaluftee Island Park Pavilions** (Cherokee, NC) Coordinated design team in providing architectural, landscape architectural and engineering services for recreational pavilions on Oconaluftee Island. Coordinated Tribal government and environmental entities efforts regarding work within major river floodplain. Oversaw production of construction documents and project construction.

**Cothren Pool** (Knoxville, TN) Prepared a master plan and subsequent site and landscape design construction documents for a new public swimming pool for the City of Knoxville Parks and Recreation Department.

**Kerns United Methodist Church** (Oak Ridge, TN) Performed site analysis, client interviews, and presented preliminary and final master plans for the church. Project focused on church expansion and siting and design of recreation amenities including play structure, gazebo, deck overlook and landscaping.

1990-1994

**Integrating Natural Characteristics and Urban Use – Potential Redevelopment of the Little Pigeon River** (Gatlinburg, TN) – Master’s Thesis: The focus of this project was two-fold: to preserve and enhance the natural character of an East Tennessee river corridor within the Gatlinburg city limits and to provide residents and visitors opportunities to experience and enjoy the river. The two mile project design solution utilized visual and physical characteristics common to mountain rivers as models for various design elements. Existing human use patterns, topography, views, and surrounding land uses were incorporated into the boardwalk/trail design. The design solution sought to provide access for a variety of users including walkers, hikers, photographers, and persons with all disabilities. This thesis has developed into annual phased downtown development projects with the City of Gatlinburg recently completing five (5) multi-million dollar phases.

**Gatlinburg Riverwalk** (Gatlinburg, TN) Led design team providing surveying and design services, including bank stabilization, for the development of Phase I of an ISTEA grant funded pedestrian walkway system along the West Prong Little Pigeon River. Planned amenities included walks, plazas, gazebos, street furnishings, landscaping, river overlooks, and other passive outdoor recreation opportunities. Coordinated the design of relocating utility lines underground along the project route including public/client relations and cost estimating.

**Trinity Episcopal Church** (Gatlinburg, TN) Performed site analysis, client interviews, and final master plan. Project redeveloped church grounds for more aesthetically pleasing and functionally efficient use. Included were stroll and sitting botanic gardens, cut-flower gardens for church use, redeveloped parking and entry landscaping.

### **C-3.c.i. Site Design**

**Cherokee Country Club** (Knoxville, TN) **2007** Provided landscape architectural, site design and planning services for the redevelopment of the Cherokee Country Club Clubhouse entrance and parking improvements.

**Dowell Springs Business Park** (Knoxville, TN) **2006-2008** Site design and construction contract administration for the landscape architectural efforts for several phase within a multi-unit office park development. Coordinated design with architect and construction with owner and developer.

**Majestic Hills** (Sevier County, TN) **2007** Provided Landscape Architectural services for the development of multiple landscape plans for a variety of retail, commercial and residential developments.

**BASS Pro Shops** (Sevierville, TN) **2005-2006** - Provided landscape architectural services for the development of the landscape and irrigation plans using native plant material and non-traditional planting design. This development is the anchor for the continuing developments at I-40 Exit 407, which is the gateway into Sevier County and the Great Smoky Mountains.

### **Site Design**

2000-2004

**Cherokee Long Branch HIP Housing** (Cherokee, NC) Coordinated design team in developing multi-phase public housing pilot project development for Tribal community. Project included roadway, housing, and recreational area layout and design.

**Westbridge Industrial Park - Tranzonic / National Partition** (Knoxville, TN)  
Developed landscape architectural plans and details for two manufacturing facilities in the Karns Industrial Park.

**John Deere Commercial Worksite Products, Inc. Stream Relocation** (Loudon County, TN) Prepared design and construction drawings for the relocation of approximately 615 LF of a blue-line stream at major industrial facility. Project demanded new stream route with physical and visual characteristics matching existing stream including vegetation, stream meanders, substrate, slope and velocity. Provided planting plans, bank protection plan, erosion control plan and construction scheduling for water release. Submitted successful application for an Aquatic Resource Alteration Permit (ARAP) from the Tennessee Department of Environment and Conservation.

**Performance Hall at Governor's Crossing** (Sevier County, TN) Designed parking layout, landscape and multi-level entry plaza with water features for a 1,600-seat, 60,000 SF multi-story performance hall.

**Governor's Crossing Outlet Center** (Sevier County, TN) Designed parking layout, pedestrian access and landscaping for a 250,000 SF retail outlet center with major retail anchors and minor facilities to accommodate shopping, area information, police and office support in the Governor's Crossing Development.

1995-1999

**Gatlinburg Streetscape and Undergrounding** (Gatlinburg, TN) Phases II and III of the Gatlinburg Riverwalk/Streetscape plan included planning and design of architectural, engineering, and landscape architectural elements for downtown Gatlinburg and the northern entrance to the city. The project included streetscape improvements, pedestrian

bridge river crossing, undergrounding of utilities and ADA accessibility for the main intersections and roads of downtown.

1990-1994

**Powertel/Nextel/Sprint/BellSouth Cellular Phone Tower Sites** (Southeastern U.S.) – Provided site design, grading, utility service design, and related technical details and construction documents for more than 75 cellular phone tower sites in Tennessee, Georgia and South Carolina.

**LaQuinta Motor Inn** (Knoxville, TN) Provided client contact, site analysis, schematic and site design development, and cost estimates for new motel construction. Directed design implementation and installation and administered client follow-up.

**Knoxville's Community Development Corporation** (Knoxville, TN) Provided landscape architectural improvements for four KCDC high-rise residential towers including connection to the future Knoxville Greenways System.

### **C-3.c.ii. Planning**

**The Overlook at Montvale** (Blount County, TN) **2006-present** Currently providing master planning and landscape architectural services for the 280 acre/80 unit private gated community development. Directing the development=s efforts for certification with the Great Smoky Mountains Institute at Tremont=s Native Landscape Certification Program. One half of the development will be kept in a conservation easement. Currently working with native plant and mountain development experts in the design of educational and recreational walking trails, exhibits and public areas.

**Holston River Preserve** (Knox County, TN) **2006** Provided master planning and landscape architectural services for 100 acre river-front property. Development is to be gated private community in conjunction with Heritage Log Homes as one of their feature communities. Developed home location, circulation, and recreational amenities as well as native wet meadows serving as stormwater control and infiltration. Worked with Heritage Log Homes architects in developing size, color and material guidelines for all construction.

**Wildcat Cove – Conceptual Master Plan** (Sparta, TN) **2006** Provided client overview, site analysis, opportunities and constraints and three conceptual alternatives for the development of a 500 acre mountain property. Worked in conjunction with Heritage Log Homes to design and coordinate home styles and locations within sensitive watersheds and mountainous terrain. Final concept plan introduces sustainable development approach to traditional PUD design.

### **Planning**

2000-2004

**Gatlinburg Gateway Entry Features** (Gatlinburg, TN) 2002. Working with the City of Gatlinburg and the Gatlinburg Gateway Foundation (GGF), successfully garnered \$75,000 US Department of Commerce Economic Development Administration (EDA) grant. Led community visioning process and preparation of design plans for three new gateway entrances into the City. Conducted a series of community input workshops to gain ideas for the development of the gateway entry concepts in terms of message, form, function and aesthetic character. The new entry feature consists of a mountain stone and limestone structure with a metal panel with a version of the Gatlinburg logo fabricated by the resident metal artists at the Arrowmont School of Arts and Crafts.

**Mill Street Area Master Plan** (Sylva, NC) Provided planning, design and coordination for the development of a streetscape/recreational master plan for the Mill Street area of downtown Sylva. Led community input sessions and presentations, inter-agency utility coordination and TEA-21 application. Plan included streetscape improvements, community parking, riverside and interpretive pavilions, pedestrian access over a downtown creek and future land use potentials.

**Cherokee Business District Master Plan, Implementation Plan and Building Standards and Designs** (Cherokee, NC) Provided planning and landscape architectural services for the development of a master plan and building standards and design for the Cherokee Downtown Business District. A three-day design charrette was conducted to create conceptual plans for development into the overall master plan. The master plan addressed vehicular and pedestrian traffic, signage, physical and visual access to the natural environment and promotion of a unique and attractive design palette for buildings and other improvements which respects both the vernacular of the mountains and the Cherokee Indian culture.

**Sevierville Downtown Streetscape Improvement Master Plan** (Sevierville, TN) Provided planning and design for the preparation of the downtown re-development master plan. The target area for the master plan includes a section of downtown listed on the National Register of Historic Places. The plan includes recommendations for improvements to the streetscape and building facades. Conducted public presentations for gathering community and government input into the planning and design process for downtown improvements.

**Knoxville Community Development Corporation** (Knoxville, TN) Provided site planning and design for the College Homes Revitalization Plan submitted to the U.S. Department of Housing and Urban Development (HUD) Hope VI Grant program. The project was selected for funding by the HUD Secretary for this housing and neighborhood re-development and the total project will channel \$38 million into the area. The project developed innovative affordable inner-city housing concepts for the College Homes and Mechanicsville neighborhoods by removal of obsolete housing units and replacing them with single family detached housing. Tasks included site inventory and analysis, capital cost estimating, land parcel acquisition schedules and conceptual designs

for street and housing unit development. Prepared for and presented at community stakeholder meetings throughout the project.

**Governor's Crossing** (Sevier County, TN) Provided planning and design support for a 150-acre master plan to include a performance hall, outlet shopping center, water park, restaurants and hotels. Designed road alignment and parking layout and provided preliminary grading and landscape drawings.

1995-1999

**Cherokee Central School/National Park Service Land Exchange** (Cherokee, NC) Developed overall site planning and layout for the Eastern Band Cherokee Indians proposed land exchange for consolidation of the EBCI school system campus. Coordinated team approach with North Carolina architecture firm in public participation, interviews, presentations and documentation. Developed storm water and water quality plans including the use of native plant material and existing wetlands. Participated in and presented for planning sessions with numerous local, state and federal agencies including EBCI, EPA, NPS, US Department of Interior and Blue Ridge Parkway.

**Townsend-Tuckaleechee Cove Regional Plan** (Townsend, TN) Provided planning, programming, public participation, assessment of site natural and cultural development features, evaluation of future utility and transportation needs and the preparation of land use plans for this 32-square-mile Great Smoky Mountain National Park gateway community. Public input as to the desired character of the community in the future along with analysis of the site natural and cultural "carrying capacity" is the guiding force behind the provision of future utility and transportation systems and designation of proposed land uses. The project is funded by the State of Tennessee and a grant from the National Park Service.

**Master Plan for Brownfield Redevelopment within the North Potato Creek Watershed** (Polk County, TN).

**Knoxville Area Transit (KAT) Bus Transfer Shelters** (Knoxville, TN) Provided planning and design services for the re-development of the Knoxville Area Transit Bus Transfer Point in downtown Knoxville. Developed target questionnaire for interviews with KAT authorities, bus drivers, community leaders, adjacent property owners, and bus service customers to identify goals, deficiencies, opportunities and constraints with the current facilities. Performed site analysis of traffic patterns, pedestrian circulation, environmental conditions, visual quality and impacts to adjacent properties. Developed conceptual mater plan with recommendations for improved visual quality, enhanced pedestrian environment and functional improvements. Presented plan to community groups, KAT, their customer representatives and city officials for review. Worked with bus shelter manufacturer in developing shelter requirements and client specific graphic details. Developed construction documents for implementation.

**Loudon County Growth Management Plan** (Loudon County, TN) Provided planning assistance to Loudon County in the preparation of an overall growth management plan for the 120,000-acre County. The planning process included a community visioning phase along with inventory and analysis of natural and cultural development opportunities and constraints, development of alternative land use plans and the preparation of development standards including zoning and subdivision regulations.

**Roane County Industrial Park Site Selection** (Roane County, TN) 1997. Provided planning and technical support in the selection of potential industrial sites throughout Roane County for development of large industrial park. The project included establishing siting requirements and criteria, identifying and analyzing up to six candidate sites, and site evaluations to select preferred and alternative sites for further evaluation.

**Roane County Industrial Park Site Evaluation** (Roane County, TN) Provided site planning and conceptual design in the evaluation of three finalist sites in Roane County for potential industrial developments. Performed and presented detailed site inventory and analysis for natural and cultural features, conceptual industrial park layout of roads, utilities and lots and preparation of site development costs for the three potential sites totaling over 1,300 acres.

### **U.S. Department of Energy (DOE)**

1995-1999

**Common Ground Future Land Use Process** (Oak Ridge, TN) Provided planning support to Martin Marietta Energy Systems and the Department of Energy in determining stakeholder preferred future land use options for the 35,000-acre Oak Ridge Reservation. This process resulted in the formulation of future land use options for the reservation 25, 50, and 100 years into the future based upon future DOE mission needs, environments and economic opportunities and constraints, future environmental clean-up plans and stakeholder input.

**Oak Ridge Reservation Directional Signage Study** (Oak Ridge, TN) Provided research, writing, and graphics for the 35,000 acre reservation and the 20-mile radius subregion. Project identified excesses and deficiencies in existing major regional guide, supplemental guide, and site identification signage, as well as primary and secondary circulation patterns. Study also provided design standards, implementation plans, and a permitting process for all future reservation signage.

**Portsmouth Uranium Enrichment Plant Site Development Plan** (Portsmouth, OH) Provided Technical Site Information document for the U.S. Department of Energy. Material included regional and site specific inventory and analysis, existing conditions documentation, planning analysis, and short and long range master plan development. Additionally, provided Site Development Plan which addresses issues requiring requests and commitments of resources for the future development of the plant.



**Site Development Planning Technical Training** (Oak Ridge, TN) Performed the necessary research in the development of a course and the production of a videotape and accompanying reference material which describes the Site Development Planning (SDP) process and Department of Energy review of the finished document. This technical training material was distributed to employees and contractors throughout the DOE complex.

**Siting Criteria Document** (Oak Ridge, TN) - *Assistant Project Manager*: Assisted in the research and document preparation for a siting criteria handbook concerning land use on the Oak Ridge reservation. Document addressed criteria for siting D.O.E. facilities with respect to hazardous material accident scenarios, potential public exposure, buffer zone establishment, environmental protection and programmatic needs.

**Advanced Neutron Source Reactor** (Oak Ridge, TN) – *Project Planner*: Provided professional and technical support in the preparation for an illustrative site plan.

1990-1994

**Oak Ridge Reservation Future Land Use Technical Suitability Criteria** (Oak Ridge, TN) Developed process and criteria for identifying the technical suitability of ORR land for development based on selected land uses. Provided research to define technical suitability, developed method to identify and rank specific land characteristics, and developed numerical scale to identify aggregate scores for all ORR land. Document mapped degrees of suitability for ORR land for each land use and provided cross-reference matrix for proposed land use and compatibility criteria.

**Common Ground Future Land Use Planning Process Plan** (Paducah Gaseous Diffusion Plant, Paducah, KY) This process plan sought to determine internal and external stakeholder preferred future land use options for the Paducah plant and reservation within the context of regional land use projected out 100 years. Assisted in the development and coordination of various management and stakeholder plans, technical information fact sheets, and other public information. Assisted in developing future land use plan alternatives based on stakeholder input and environmental and economic impact analysis. Performed and coordinated analysis of natural, physical, and demographic opportunities and constraints on a site and regional basis in preparation for public dissemination.

**Common Ground Future Land Use Process for the Oak Ridge Reservation Information Kit** (Oak Ridge, TN) Provided research and planning support for development of the *Common Ground Participant Information Kit*. The kit was prepared to provide information about the Oak Ridge Reservation, its cleanup efforts, the surrounding region, and the Common Ground Future Land Use Process to area stakeholders.

**Interim Storage Area Site Selection Study** (Oak Ridge, TN) Project focused on locating and assessing available land for the temporary storage of nearly 4 million cubic feet of mercury-contaminated floodplain soils from Lower East Fork Poplar Creek in response to CERCLA requirements. Coordinated site selection team, researched and documented site evaluation/selection criteria, identified and evaluated candidate sites, facilitated final site selection and developed conceptual site plans.

**Low Temperature Thermal Treatment Unit/Interim Storage Area Site Development Cost Estimates** (Oak Ridge, TN) Project provided summary cost estimates for conceptual site design options for the siting of the LTTTU/ISA. Study examined previously identified siting alternatives for both facilities and produced cost comparisons for different scenarios involving locating the facilities together and separately.

**Y-12 Plant Wayfinding Study** (Oak Ridge, TN) Conducted a wayfinding study of the Y-12 Plant with emphasis on the provision of new signage, exterior building graphics and entryways.

**Paducah Site Development Plan - FY '93** (Paducah, KY) Prepared the updated Technical Site Information (TSI) document and the Site Development Plan (SDP) for the Paducah Gaseous Diffusion Plant conforming to DOE Order 4320.1B. Provided research, planning and writing, and graphics and editorial coordination for the preparation of the PCDP SDP and all sections of the TSI document. The TSI identifies and documents all programmatic, physical (utilities, buildings, roads, etc.) and natural features of the site that are then used to produce the SDP. The SDP contains a five year capital plan and a 20 year facility and land use plan that is used to guide future land use decisions for the site.

**Y-12 Technology Transfer Wayfinding** (Oak Ridge, TN) Provided site design services with emphasis on Wayfinding system to service the Technology Transfer initiative in the east end of the Y-12 Plant.

**K-25 TSI and SDP Update** (Oak Ridge, TN) Provided research, planning writing and graphics support in the preparation of the 1993 K-25 Technical Site Information (TSI) and Site Development Plan (SDP) documents.

**K-25 Plant** (Oak Ridge, TN) – *Assistant Project Manager*: Assisted in the preparation of a Technical Site Information document for the U.S. Department of Energy. Involvement included research and documentation of regional and site specific conditions and document layout and preparation.

### **Military Master Planning and Design**

1989-1991

**Base Exterior Architecture Plan – Rota Naval Station** (Rota, Spain) Provided design guidelines in response to inventory and analysis of physical and visual assets and

liabilities, identified base-wide environmental themes, comprehensive development and implementation plans and architectural guidelines for visual and physical improvements for the Rota Naval Station. Additionally, provided illustrative architectural and landscape plans and perspective renderings for document presentation.

**Aviation Warfighting Simulation Center, Corps of Engineers (Ft. Rucker, AL)** Led design team including engineering, landscape, architectural, interior design, acoustical, structural, HVAC, plumbing, and electrical services for a 65,785 SF, single-story building housing six general function areas of open bay simulation area, higher command TOCs, after action review auditoria, planning and classrooms, support offices and building support areas. The facility contains multimedia capabilities for integrated audiovisual and other simulations systems which will enhance the U.S. Army Aviation Center training environment. Systems will ultimately support simultaneous exercise among selected TRADOC schools.

**Installation Design Guide- US Army Base (Frankfurt, Germany)** Provided military design and planning documents for the U.S. Army military community. Design guides for five army installations included identification of assets and liabilities, development of appropriate design themes and site specific development plans, prioritized implementation plans, architectural design guidelines, illustrative presentation renderings, and comprehensive base development plans.

**Base Exterior Architecture Plan - Naval Surface Warfare Center (Dahlgren, VA)** Developed one-volume Base Plan identifying physical and visual site components, comprehensive development and implementation plans, and various base design guidelines for building, roads and paths, site furnishings, signage, lighting, security, and accompanying cost estimates for the NSWC. Responsible for entire AutoCAD design and documentation of material.

**Installation Design Guide (Fort Jackson, SC)** Assistant Project Manager. Provided assistance in the development of planning and graphics for design guideline documentation. Material included guidelines for buildings and courtyards, roads and paths, landscaping, site furnishings, security, etc.

**Installation Design Guide – US Army Base (Nuremberg, Germany)** Planner/Designer: Provided assistance in the development of a seven volume document for various army installations in Nuremberg. Involvement included site planning, site design, graphic presentation material, and design guideline development.

### **Professional Society Memberships:**

#### ***Current Memberships:***

American Society of Landscape Architects (ASLA)  
Council of Landscape Architectural Registration Board (CLARB)  
Sigma Lambda Alpha Honor Society  
Pi Alpha Xi

***Professional Licensure:***

State of Tennessee Registered Landscape Architect #470

State of North Carolina Registered Landscape Architect #1624

Council of Landscape Architectural Registration Board #806

**Workshops / Conferences attended:**

- 2011** American Society of Landscape Architects National Conference, San Diego, CA. October 30-November 2.
- 2008** American Society of Landscape Architects National Conference, Philadelphia, PA. October 3-7.
- 2007** ***Green Roof Infrastructure: Design and Installation - 201.*** Green Roofs For Healthy Cities. American Society of Landscape Architects National Conference, San Francisco, CA. October 3-9.
- 2006** American Society of Landscape Architects Annual Meeting. Minneapolis, MN. October 5-10.
- 2005** ***Green Roof Infrastructure: Design and Installation - 101.*** Green Roofs For Healthy Cities. American Society of Landscape Architects National Conference. Ft. Lauderdale, FL. October 6-11.
- 2005** ***3<sup>rd</sup> Annual Irrigation Faculty Academy.*** Irrigation Association Education Foundation. Orlando, FL. July 28-29.
- 2004** American Society of Landscape Architects National Conference. Salt Lake City, UT. October 29 – November 2.