



Michael Roy Layne, Ph. D., RLA, ASLA

## LEGACYWORKS

Community and Environmental Design

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Creating Sustainable Landscapes that Rejuvenate and Inspire: Environment, Education, and Engagement

## Curriculum Vitae

### Education

- Doctor of Philosophy in Design, Community and Environmental Design, North Carolina State University, 2009  
Dissertation: *Supporting Intergenerational Interaction: Affordance of Urban Public Space*
- Master of Landscape Architecture, North Carolina State University, 1994
- Bachelor of Art, Fine Art, San Jose State University, 1970

### Academic Experience

- Visiting Instructor, Dept of Sociology, Anthropology & Social Work, Whittier College, CA, 2003 and 2004
- Visiting Assistant Professor of Landscape Architecture, North Carolina State University, 2002
- Lecturer of Landscape Architecture, North Carolina State University, 1994-2000
- Teaching & Research Assistant, Landscape Architecture, NC State University, 1992-1994 & 2001
- Visiting Lecturer and Artist-in-Residence, School of Architecture, University of Humberside, UK, 1992
- Adjunct Faculty, Creative Arts Program, Bradford College, 1988-1990
- Artist-in-Residence, Boston Center for the Arts, 1986-1989
- Faculty, Boston Architectural Center, 1983-1984

Courses Taught:

LAR 612, Social Factors in Site Planning (Research Methods)

LAR 400, Landscape Architecture/Urban Design Studio

LAR 400, Landscape Architecture/Garden Design Studio

LAR 502, Landscape Arch/Landscape Description Studio

LAR 457, Landscape Construction Methods & Materials

LAR 492, Special Topics in LAR (Environmental/land art)

LAR 510, Graphics for Landscape Architects

LAR 234, Introduction to Environmental Design

DF 102, Design Fundamentals Studio

LAR 430, Site Planning (Lecture & Lab)

ART 131, Advertising Design Studio

ART 230, Advanced Advertising Design

Environmental Art (Lecture & Lab)

SOC 216, Sociology Through Photography

### Professional Design Experience

Thirty-five years as a practicing professional in the design disciplines: landscape architecture, environmental sculpture, community art, graphic design, and industrial design

- Principal, Legacyworks, Community & Environmental Design Firm, Raleigh & Warrenton, NC, 2000-08
- Consultant, Park Planning and Design, Raleigh, NC, 1996-99
- Landscape Architect, Mark Robinson & Associates, Landscape Architecture/Planning, Raleigh, NC 1995-96 (Specializing in park design and community recreation master planning)
- Landscape Designer/Contractor, Sculptural Environments, Raleigh, NC, 1994-99
- Environmental Sculptor & Community Artist, Boston, MA, 1981-90 • Raleigh, NC, 1990-01
- Design Consultant, Raytheon Service Co. Burlington, MA, 1984-87
- Principal, Industrial Design Firm, Layne, Salvo & Assoc., Waltham, MA, 1979-80
- Model Builder & Research Technician, Dynatech R & D Co., Cambridge, MA, 1975-78
- Design Specialist/Model Development, General Electric Co., San Jose, CA, 1970-75

### Professional Landscape Practice

The following list represents landscape & planning projects where I worked as a landscape architect, landscape designer, planning & development consultant, or landscape construction contractor

- Carnegie Park Townhome (residential stormwater protection & garden landscape) Raleigh, NC 2010-2012
- \* Jessee Residence Master Plan with Children's Play Environment & Stream Development Plan, Pittsboro, NC, 1998-2005
- Pre-School Playground Design & Construction Documentation (design and development of five parks to meet ADA and CPSC guidelines) Parks and Recreation Department, Durham, NC, 1997-99
- Northern Community Park Master Plan and Construction Documentation, Recreation and Parks
- Karcher Residence Master Plan & Landscape Construction with Creek Restoration, Raleigh, NC 1997
- Neuse River Corridor Comprehensive Recreation Master Plan with Anderson Point Park and Milburnie Park Master Plan Development, Parks, Recreation and Greenways Advisory Board and Parks and Recreation Department, Raleigh, NC, 1996
- The Learning Ground - Schoolyard Master Plan and Design and Development Project, Vena Wilburn Elementary School, Wake County Schools, Raleigh, NC, 1996
- Craven County Park Master Plan and Report, Craven County Recreation and Parks Department,

New Bern, NC, 1996

- Children's Playground and Community Public Recreational Areas Master Plan, Chestnut Oaks Residential Development, Habitat for Humanity of Orange County, Carrboro, NC, 1996
- Parks and Recreation Comprehensive Recreation Plan Update, Parks and Recreation Department, Wake Forest, NC, 1996
- Minnesota Center for Arts Education Master Plan, Golden Valley, MN, 1995
- Flaherty Park Master Plan, Parks and Recreation Department, Wake Forest, NC, 1995
- Lotz Residence Landscape Master Plan & Construction with Planting Plan and Hillside Stormwater Retention Landscape Plan, Chapel Hill, NC, 1995

### **Community Research, Outreach & Planning**

Funded planning projects including community design assistance and research studies reflect my role as co-principal investigator, team leader, member, research assistant or professional consultant.

- Water Quality Impacts of Alternative Build-out Scenarios for Brunswick County, NC. NC State University, Water Quality Research Project for NC Dept. of Environment and Natural Resources, 2007
  - NEA (National Endowment for the Arts Challenge America Fast Tract Grant) Conduct a regional art and cultural assessment for the Roanoke Valley of Virginia and North Carolina, 2002-03.
  - Community Development Opportunities Study (URRI), NC Cooperative Extension Service, Halifax, Warren, and Vance Counties, NC, 1999-2001.
  - Four Community Projects, NC Cooperative Extension Service, Warrenton, NC, 1999-2000
  - School Yard Design Development Study, Glenwood Elementary School, Chapel Hill, NC, 1997
  - Community Parks and Downtown Development Revitalization Study, Racine, WI, 1996
  - Participatory Design Charrette & Master Plan Dev. Perpich Center for Arts Education, Golden Valley, MN, 1995
  - Campus Development Study & Master Plan, Wilburn Elementary School, Raleigh, NC, 1993-97
  - Campus Development Study, Washington Elementary School, Raleigh, NC, 1995
  - Community Design and Development Study, Town of Halifax, Halifax County, NC, 1994
  - Entrance Garden Design Study for N. C. School for the Arts, Winston-Salem, NC, 1993
  - Community Design Studies for Town of Apex, Apex, NC, 1992
  - Sense Garden: Universal Design Study for the NCSU Arboretum, 1992 (Previewed *LA Magazine* and Japanese book: *Creating People-friendly Parks: From Barrier-free to Universal Design*, 1996)
- E&B and Design Research interests include: intergenerational use outdoor space, childhood environments, natural and cultural system preservation, ritual and sacred spaces, community/public art, schoolyards, history of environmental/landscape sculpture, an rural community development.

### **Publications/ Presentations**

Authorship of a number of published, unpublished and in-progress research papers reflecting my interest in intergenerational studies, public outdoor settings, community participation in design, public art/landscape sculpture, ecological/environmental education, and urban/small town revitalization.

- "Intergenerational Communities: Public Spaces that Support Interaction Between Young People and Older Adults." North Carolina Conference on Aging, Greenville, NC, 2008
- "Supporting Intergenerational Interaction: Affordance of Urban Public Space." (Symposium on Intergenerationally Enriched Environments) Generations United 13th Intergenerational Conference, Washington, DC, 2005
- "Intergenerational Preferences for Public Spaces." *Three Decades of Design and Community*. Henry Sanoff, NCSU School of Architecture, College of Design, Raleigh, NC, 2003
- "Children's Attachment to Place: Environmental Storytelling through Drawings and Community Art." (symposium) Environmental Design Research Assoc. 33rd Conference, Philadelphia, PA, 2002
- "Intergenerational Preferences Between Youth and Elderly: Public Outdoor Settings that Promote Well-being." Paper presented at the joint conference for the Environmental Design Research Association & International Association of People's Environment Studies, Edinburgh, Scotland, 2001
- "Professional-as-Expert: Limitations of the R/UDAT Model." Paper presented, NCSU, Raleigh, NC, 2000
- "Building the language and process of environmental design in K-12 curricula" (workshop participant) Environmental Design Research Assoc. National Conference, Saint Louis, MO, 1998
- Nature and Ecology Network Workshop (workshop participant and presenter) Environmental Design Research Assoc. National Conference, Saint Louis, MO, 1998
- "Animation and the Community Landscape Architect: at-risk teen involvement in the revitalization of an urban park." Paper presented, CELA Conference, Asheville, NC, 1997
- "Children's participation in designing outdoor play spaces: intergenerational communication through three dimensional landscape modeling," *International Play Journal*, 1996 & *Proceedings of IPA/USA National Conference*, Birmingham, AL, 1995
- "Comparative Analysis of Outdoor Learning Environments Using Participatory and Non-Participatory Processes." Poster Paper, Environmental Design Research Assoc. Conference, Boston, MA, 1995
- Planning for the Peak of Good Living -- A Design Study for Apex/NC 55, Department of Landscape Architecture North Carolina State University, Raleigh, NC, 1992
- Angles of Paradise, 1981 (co-author with E. Knevsen, poetry and illustrations of urban life in Boston, independent artist book publication – The Edge Press)

**Media/  
Publication  
of Work**

My designs or artwork have been previewed in newspapers, magazines, newsletters, professional journals, research publications, and radio and television broadcasts.

- Visitors will become artists," The Cary News, April 25, 2011.
- "Spring into Spring Daze 2012," Cary Citizen, Cary, NC April 23, 2012
- "American Society of Landscape Architects Highlights 479 Green infrastructure Projects," Inhabitat.com, October 22, 2011.
- "Dedicate Sculpture also serves environmental purpose," The Daily Tar Heel, July, 6, 2011
- "Universal Garden," a design proposal for the NCSU Arboretum. The research and development ideas for this garden speak to the development of a "Realm of the Senses." The initial design concept and the method for interpreting research findings was included in a chapter of a Japanese book entitled Creating People-friendly Parks: From Barrier-free to Universal Design. Y. A. Miyake, H. Kameyama and Y. Miyake. 1996. In addition, this design was featured in a research publication that presented international examples of accessibility in the design of outdoor spaces. Sponsored by a branch of the Japanese government, the book is being used as a guideline in the creation of the first accessible and friendly park in Osaka, Japan. In Order to Open People's Hearts, 1994
- "Accessible America: Are Landscape Architects Ready for the Challenge?" Landscape Architecture Magazine, Washington, DC, June 1993
- "Spiel Strasse: Street of Performance," Visions of the Future: Alternative Development Plans for the North Carolina School for the Arts, School of Design, NCSU, Raleigh, NC, 1993
- "American Stargazer Makes Its City Debut," Hull Daily Mail, Kingston Upon Hull, UK, Nov. 23, 1992
- "Whale of a Tale," Carolina Parent, Raleigh, NC, May 1992
- "Man, Nature and the Art of Compromise," Art Forum, Asheville Citizen-Times, June 1992
- "Trigon," an interview, Creative Exchange, Raleigh, NC, 1991
- "Time Lines," Oxford Press, Miami University Report, Arts at Miami, and After Five, Oxford, OH, 1991
- "Outer-Inspace" & "An Artist's Point of View: Interview with Michael Layne," The Voice, Boston, MA, 1984
- "Critics Tip" & "Arts and Films," Boston Globe, Boston, MA, 1981, 83, 84, 86, 87, 90
- "Experiments in Art," Boston Magazine, Boston, MA, 1981

**Environmental  
Sculpture/  
Public Art  
Installations**

Practiced as a community artist creating and installing over 60 environmental sculptural installations (both private and public) since 1981. Many of selected projects involved youth and older adults in a community building process that reflects my ongoing research into intergenerational studies

- *Double Spiral: Erika's Garden*, (residential stormwater protection & garden landscape) Raleigh, NC 2012
- *Springleaf+Fairycircle*, Ecological installation and festival icon), Spring Daze, Bond Park, Cary, NC 2012
- Chapel Hill Veteran's memorial design competition (in progress), collaboration with David Swanson Assoc., Carrboro, NC and Weinstein Friedlein Architects, Carrboro, NC, 2011-2012
- *H<sub>2</sub>O Flow*, (Aesthetic engineer-stormwater management installation), Sculpture Visions, Chapel Hill Town Hall entry courtyard, Chapel Hill, NC 2010, Dedication 2011
- *Trigon*, (exhibition of a community icon), Raleigh City Museum, Raleigh, NC, 2005
- *Dragon's Lair* and *Arborway*, David and Karen Jessee Residence, Pittsboro, NC, 1998-2005
- *The Learning Ground*, (environmental sculpture master plan), Vena Wilburn Elementary, Raleigh, NC 1996
- *Flight of Fancy*, Monument Square, Racine, WI, 1996
- *Fish Stories*, Beverly Gate, Kingston upon Hull, UK, 1992
- *Nature: Continuity in Compromise*, Broadway Arts, Asheville, NC, 1992
- *Time Lines*, Miami University, Oxford, OH, 1991
- *Trigon, Mighty Sax, Mermaid's Tail, Dotted Line*, Artsposure, Inc., Raleigh, NC, 1990-05
- *Boston 1991: Sixth Triennial*, Fuller Museum of Art, Brockton, MA, 1990
- *Caracol*, Fuller Museum of Art, Brockton, MA, 1989
- *The Source*, Hallmark Bath & Tile Center, Peabody, MA, 1989
- *The Water's Edge*, The Wet Gallery, Boston, MA, 1987
- *Conservatory*, City Lights, Inc., Boston, MA, 1987
- *Homage to Poseidon*, Syros Island, Greece, 1985
- *Pulsar*, Jordan Marsh Company, Boston, MA, 1984
- *Future Sails*, City of Boston, MA, 1984
- *Within*, Massachusetts Invitational, Boston Center for Arts, MA, 1982-1989

**Honors**

- Tau Sigma Delta Honor Society in Architecture and Allied Arts, 2002
- Environmental Design Research Assoc. Student Design Competition, Edinburgh, Scotland, 2001
- NCSU Landscape Architecture Faculty Honor Award, 1994
- Sigma Lambda Alpha National Scholarship Award, 1993
- Phi Kappa Phi National Honor Society, 1993
- NCSU Distinguished Scholarly Achievement Award, 1993
- Charter member, Alpha Sigma Chapter, NCSU, Sigma Lambda Alpha (CELA honor society), 1992
- Artist-In-Residence - School of Architecture, University of Humberside, Kingston upon Hull, UK, 1992
- Winner, William & Dorothy Yeck National Outdoor Sculpture Competition, Miami, OH, 1991

- Artist-In-Residence - Department of Creative Arts, Bradford College, Bradford, MA, 1990
- Artist-In-Residence - Boston Center for the Arts, Boston, MA, 1986-1989
- First Night Grants, Boston, MA, 1983, 1984, 1988 & 1989
- Merit Award, Bullfinch Arch Design Competition, Historic Neighborhoods Foundation, Boston, MA, 1987
- Massachusetts Arts Lottery Grant, Cambridge Arts Council, Cambridge, MA, 1983
- Public Arts Grants, WBZ-TV "Kids Fair", Boston, MA, 1982, 1983, 1984, 1985, 1986
- Merit Award, Package Design, 25th Anniversary Edition, Industrial Design Review, Boston, MA, 1982
- Eagle Scout with Bronze Palm, Boy Scouts of America, Santa Clara County, California, 1962

#### **Memberships**

- ASLA, NCASLA, American Society of Landscape Architects (Full Member)
- EDRA, Environmental Design Research Association (Member)  
Member of Nature & Ecology and Children/Youth Environment Networks
- American Psychological Association Division 34 (Member)
- Generations United (Member)
- Warren County Arts Council (Member)
- IPA, International Association for the Child's Right to Play (Member)
- ISC, International Sculpture Society (Member)

#### **Community Service**

- Board of Directors, Environmental Design Association, Edmond OK, 2002-2005 (member 1994)
- Chairman of Board of Directors, Warren County Arts Council, Warrenton, NC, 2002-06 (member 2000)
- Design Consultant, 4H-Rural Life Center, Halifax County, NC, 2000-2001
- Board of Directors, Artsposure, The Raleigh Arts Festival, Inc., Raleigh, NC, 1994-1995
- Faculty Advisor, Conservation Fund Assistance Project, Halifax, NC, 1994
- Design Consultant, Habitat for Humanity of Orange County, NC, Inc., NC, 1995
- Committee Member, Technology Task Force, School of Design, NCSU, Raleigh, NC, 1995
- Committee Member, BLA Accreditation Curriculum, Dept. of LAR, NCSU, Raleigh, NC, 1993
- Team Member, Conservation Fund Assistance Project, Columbia, NC, 1993
- Team Leader, Playful City, North Carolina Museum of Art, Raleigh, NC, summer, 1993
- Program Chair, Alumni Lecture Series, ASLA Student Chapter, NCSU, Raleigh, NC, 1992-1993
- Board of Advisors Member, The Scrap Exchange, Durham, NC, 1992 - 1993
- Guest Lecturer, Design Camp, North Carolina State University, Raleigh, NC, summer, 1992
- Team Member, Design Competition, North Carolina Botanical Garden, Asheville, NC, 1992
- Board of Advisors Member, Boston Center for the Arts, Boston, MA, 1988 - 1990
- Director, Artist's Ball, Boston Center for the Arts, Boston, MA, 1983
- Board Member, Tremont Arts Productions, Boston, MA, 1976-1981
- Co-Director, First Annual Arts Day in the South End, Boston, MA, 1983

#### **Personal Data**

- Supporting Skills & Interests: Technical Illustration, Graphic Design, Model Building, Performance Art, Event Production, Environmental Sculpture, Community Art, Photography, Graphic Presentations, Computer programs: Microsoft Word, Photoshop, Pagemaker, Quark Xpress, Excell, Power Point, SPSS
- Born in Hanover, New Hampshire; raised in San Jose, California; lived and worked in Boston, MA.