William P. MacElroy
Senior Instructor in Landscape Architecture
College of Art & Architecture
University of Idaho at Moscow

I. BACKGROUND

EDUCATION

- **University of Michigan, Ann Arbor, Michigan. Masters of Landscape Architecture, 1984**
  Thesis: Wetlands: Processes, Values and Design Guidelines - A Primer
- **Drexel University,** Philadelphia, Pennsylvania. 1974 -1976. Calculus, Differential Equations, Physical and Organic Chemistry, Newtonian Mechanics. Phi Eta Sigma, Science and Engineering Honors Society, 1976.
- **The Pennsylvania State University,** State College, Pennsylvania. 1965 – 1969. Bachelor of Science, Marketing.

ACADEMIC EXPERIENCE

- **Senior Instructor of Landscape Architecture, University of Idaho, Moscow Idaho.** January 2009 to present
- **Assistant Professor of Landscape Architecture, California State Polytechnic University,** San Luis Obispo. September 2004 to August 2008.
- **Lecturer in Landscape Architecture, California State Polytechnic University, San** Luis Obispo California. Fall 2001 to August 2004
- **Lecturer in Landscape Architecture, College of Architecture and Urban Planning. University of Washington,** Seattle. September 1996 to Spring 2001.

PROFESSIONAL EXPERIENCE

- **Design Consultant to Lorna Jordan, Artist.** Seattle Washington, Ongoing. Urban design consultant assisting in the exploratory generation of design alternatives for an urban open space initiative.
- **Senior Associate, Lead Designer & Project Manager. Richard Haag Associates,** Landscape Architecture. Seattle, Washington. 1993 -1996
- **Design Consultant to: Pollack Design Assoc., Peter Walker - William Johnson & Partners, Robert Foley & Assoc.** Landscape Architecture. Ann Arbor, Michigan and Seattle, Washington. 1991 – 93. Consultant assisting local planning and design firms in the preparation of site plan and site detail design drawings and regulatory permit applications for multi-use public, private and recreational facilities.
- **Senior Professional Designer. Johnson, Johnson & Roy/inc.** Landscape Architecture. Ann Arbor, Michigan. 1985 - 1991. Senior designer and project manager in multi-disciplinary firm. Project work ranged from waterfront development and urban design to naturalized landscape design and reforestation.

Coursed Taught at Cal Poly

2007/2008

Spring 2008

- **EDES 410. Sustainable Project Implementation**. Senior level 4-unit independent studying implementing an EDES 408 Project. Worked with 4 multidisciplinary students in building a multi-use garden at a not for profit transitional shelter for women and their children.
- **LA 204. Fundamentals of Spatial Design III**. Second year, 4-unit design studio.
- **LA 242. Implementation Strategies**. Second year 3-unit lecture course with one unit of activity. Introduces the fundamentals of implementation issues, techniques, & documentation.

Winter 2008

- **EDES 408. Implementing Sustainable Principles**. Multidisciplinary, senior level four-unit independent team project development course with lecture & critiques. Team-taught.
- **LA 203. Fundamentals of Spatial Design II**. Second year design studio.
- **LA 241. Site Engineering Techniques & Applications**. Second year 4 unit lab course introducing the fundamentals of land forming, grading & drainage.

Fall 2007

- **LA 101. Introduction to the Profession of Landscape Architecture**. Three Unit Lecture Course.
- **LA 243. Materials & Techniques of Landscape Construction**. Co-taught with Assistant Professor Joe Ragsdale. Second year 3 unit lecture and one unit activity. Primary responsibility in activity portion, assisted in development of materials and guest lecture in lecture portion.
- **LA 464. Senior Seminar**. One unit. Students prepared team research reports and digital presentations with specified learning objectives and were required to lead a forty-minute discussion on their topics. Topics were selected to support their senior project design efforts.

2006/2007 Academic Year

Spring 2007

- **LA 242. Implementation Strategies**. I designed and developed this First time offered new curriculum course while coordinating 2 additional instructors in the activity sessions. Second year 3-unit lecture course with one unit of activity. Introduces the fundamentals of implementation issues, techniques, & documentation.
- **LA 456. Senior Project Design**. Third 4-unit design studio in Senior Project Design sequence. Focus is on design refinement, graphic communication, report documentation, & competition formatting.

Winter 2007

- **LA 241. Site Engineering Techniques & Applications**. First offering of new curriculum course. Revised, updates & improved old LA 231 course. Second year 4 unit lab course introducing the fundamentals of land forming, grading & drainage.
- **LA 455. Senior Project Design.** Second studio course in senior project sequence focusing on design development, schematic design, and design communication. 4-unit design studio.
- **EDES 408. Implementing Sustainable Principles**. Multidisciplinary, senior level four-unit independent team project development course with lecture & critiques. Team-taught.

Fall 2006

- **LA 101. Fall 2006. Introduction to the Profession of Landscape Architecture**. I designed and developed this first time new curriculum lecture course. It is an expanded & improved version of LA 201. Three Unit Lecture Course, 1 unit of activity.
- **LA 454. Senior Project Design.** First studio course in senior project sequence focusing on project scope definition, schedule development, Mission, Goals & Objectives definition, site analysis, conceptual design, precedent study & research. 4-unit design studio.
- **LA 464. Senior Seminar**. One unit. Students prepared team research reports and digital presentations with specified learning objectives and were required to lead a forty-minute discussion on their topics. Topics were selected to support their senior project design efforts.

2005/2006 Academic Year

Spring 2006

- **LA 201. Introduction to the Profession of Landscape Architecture.** Two-credit introductory lecture course to the breadth and depth of the work and issues addressed by the Profession of Landscape Architecture.
- **LA 456. Senior Project Design**. Third 4-unit design studio in Senior Project Design sequence. Focus is on design refinement, graphic communication, report documentation, & competition formatting.
- **LA 464. Senior Seminar**. One unit. Students evaluated intervention potential in three distinct instructor selected landscapes. Findings were evaluated and recorded. Students read selected sample Manifesto Statements. Personal Manifesto reports drawing on the readings and each student produced site investigations.

Winter 2006

- **LA 130. Landscape Interpretations**. Developed and taught the first time offering of this four unit lecture course outside my field of expertise. The course is an introduction to the inter-connectedness of relationships between culture, art, the built environment, and landscape.
- **LA 300. Internship Report Evaluation**. One-unit supervisory course evaluating student internship reports.
- **LA 455. Senior Project Design**. Second 4-unit design studio course in senior project sequence focusing on design development.

Fall 2005

- **LA 101. Introduction to the Profession of Landscape Architecture**. New four unit lecture course (Recitation hour by Professor Walt Bremer)
- **LA 461. Senior Project Design**. Four-unit design studio. Students under took a community based mixed-use affordable housing, medical office space, open space, & creek enhancement. City planners, developers, and outside experts participated.

2004/2005 Academic year

Spring 2005

- **LA 201. Introduction to the Profession of Landscape Architecture.** Two-credit introductory lecture course to the breadth and depth of the work and issues addressed by the Profession of Landscape Architecture.
- **LA 253. Design Fundamentals III**. Third 4-unit studio course in second year design series. Focus on site planning and design for different land use types/scales.
- **LA 321. Environmental Decision Making**. Third year 3 unit lecture & discussion course. Course explored diverse views on how we perceive, interact, and are shaped by our environment. It also touch on our decisions are shaped by the culture and subcultures we are immersed in.
- **LA 400. Independent Study in Design.** One-unit **a**dvising & critiquing third year student project for competition entry.

Winter 2005

- **LA 231. Site Engineering for Landscape Architecture.** Three unit second year studio introducing the fundamentals of grading and drainage.
- **LA 455. Senior Project Design**. Second 4-unit design studio course in senior project sequence focusing on design development.

Fall 2004

- **LA 201. Introduction to the Profession of Landscape Architecture.** Two-credit introductory lecture course to the breadth and depth of the work and issues addressed by the Profession of Landscape Architecture.
- **LA 351. Site Planning for Landscape Architects.** Third year 5 unit design studio addressing complex site planning and design projects primarily in urban environments.
- **LA 464. Senior Seminar.** One unit **c**ourse focused on selection and development of a topic of interest to the student and development of an introductory teaching talk by the student on the chosen topic

2003/2004 Academic Year

Spring 2004

- **LA 201. Introduction to the Profession of Landscape Architecture.** Two-credit introductory lecture course to the breadth and depth of the work and issues addressed by the Profession of Landscape Architecture.
- **LA 253. Design Fundamentals III**. Third 4-unit studio course in second year design series. Focus on site planning and design for different land use types/scales.
- **LA 400. Special Projects.** 1 unit. Manage & work with students and faculty to reintroduce the department newsletter 'SLO Landscapes' after a number of years of dormancy.
- **LA 464. Senior Seminar.** One unit **c**ourse focused on selection and development of a topic of interest to the student and development of an introductory teaching talk by the student on the chosen topic

Winter 2004

- **LA 231. Site Engineering for Landscape Architecture.** Three unit second year studio introducing the fundamentals of grading and drainage.
- **LA 400. Independent Study**. Faculty adviser to third year student researching stream bank stabilization techniques.
- **LA 455. Senior Project Design**. Second 4-unit design studio course in senior project sequence focusing on design development.

Fall 2003

- **LA 201. Introduction to the Profession of Landscape Architecture.** Two-credit introductory lecture course to the breadth and depth of the work and issues addressed by the Profession of Landscape Architecture.
- **LA 464. Senior Seminar.** One unit **c**ourse focused on selection and development of a topic of interest to the student and development of a digital & verbal presentation on the chosen topic.
- **LA 454. Senior Project Design.** Initial 4-unit design studio course in the senior project sequence. Focus is on problem definition, task scheduling, mission, goals & objectives definition, site analysis, research, precedent study & conceptual design aspects of senior project

2002/2003 Academic Year

Spring 2003

- **LA 201. Introduction to the Profession of Landscape Architecture.** Two-credit introductory lecture course to the breadth and depth of the work and issues addressed by the Profession of Landscape Architecture.

- **LA 400. Special Projects.** 1 unit. Manage & work with students and faculty to reintroduce the department newsletter 'SLO Landscapes' after a number of years of dormancy.
- **LA 456. Senior Project Design**. Third 4-unit design studio in Senior Project Design sequence. Focus is on design refinement, graphic communication, report documentation, & competition formatting.
- **LA 484. Special Problems in Landscape Architecture.** A 2-unit off campus multi-disciplinary study charette & cultural learning course for 2 weeks in Puebla, Mexico, working with Mexican students on a community service based project.

Winter 2003

- **LA 213. Site and Terrain Analysis**. 4-unit studio course for planning students emphasized the evaluation and communications of key site and land analysis issues critical to planning and design decision-making. Focus to is understand the interrelation of cultural and natural processes and landscapes.
- **LA 400. Special Projects.** 1 unit. Manage & work with students and faculty to reintroduce the department newsletter 'SLO Landscapes' after a number of years of dormancy.
- **LA 483. Off Campus Study Seminar.** One unit seminar preparing a multidisciplinary student team for off campus field trip to Puebla Mexico to work with students there.
- **LA 455. Senior Project Design**. Second 4-unit design studio course in senior project sequence focusing on design development.

Fall 2002.

- **LA 201. Introduction to the Profession of Landscape Architecture.** Two-credit introductory lecture course to the breadth and depth of the work and issues addressed by the Profession of Landscape Architecture.
- **LA 454. Senior Project Design.** First studio course in senior project sequence focusing on project scope definition, schedule development, Mission, Goals & Objectives definition, site analysis, conceptual design, precedent study & research. 4-unit design studio,
- **LA 464. Senior Seminar.** Course focused on selection and development of a topic of interest to the student and development of an introductory teaching talk by the student on the chosen topic.

2001/2002 Academic Year

Spring 2002

- **LA 253. Introduction to Site Planning and Design Studio**. Second year 4-unit design studio moves from the abstract to real site development. Emphasis is on spatial design that considers and integrates land form, built form and plant form. Design process is explored in further depth.
- **LA 456. Senior Project Design**. Third 4-unit design studio in Senior Project Design sequence. Focus is on design refinement, graphic communication, report documentation, & competition formatting.

Winter 2002

- **LA 252. Fundamentals of Design II.** Second 4-unit design studio in second year. Course focus shifts to an emphasis in site planning and design for different land uses and scales.
- **LA 455. Senior Project Design**. Second 4-unit design studio course in senior project sequence focusing on design development.

Fall 2001

- **LA 251.** Introduction to Design Studio. 4-unit second year design **s**tudio emphasized the fundamental principles of spatial design through the examination of the elements that define space, and the tools available to articulate space.
- **LA 351. Site Planning and Design Studio. T**hird year 5-unit studio emphasized integration of design solutions to address ecology, people, and place. Issues of moving from planning scale to site scale were explored.

Courses Taught at the University of Washington in Seattle, College of Architecture & Urban Planning

- **LARC 300: Introduction to Landscape Architecture Studio. Six Credits. Summer 1997, 1999, 2000.** A studio course opens to students who are curious about landscape architecture as a possible career path. Design process and formal principles explored through abstract two-dimensional graphic exercises, three-dimensional model building and elementary site planning and design sketch problems. Exploration of personal creativity and the development of graphic and verbal communication skills are emphasized. The various areas of professional work are explored through slide shows, field trips to built works and offices.
- **LARC 301: Introduction to Site Planning and Design Studio. Six Credits. Fall 1996, 1997, 1998, 1999, 2000.** Initial undergraduate and graduate design studio. In depth examination of design principles, process and site planning are conducted. Abstract two and three dimensional design exercises as well as site scale planning and design projects are used to develop critical evaluation and design decision-making skills. Identification of key functional, ecological, aesthetic, and community issues is stressed. Development of a central design concept that addresses key issues and guides decision-making and form giving is emphasized. Graphic, written and verbal communication skills are developed.
- **LARC 302: Introduction to Urban Design Studio. Six Credits. Winter 1999.** Course examines edge city issues of sprawl, landscape homogenization, sense of place and impacts of urbanization on ecological systems. Alternative models of development geared toward pedestrian environments and sense of community are explored. Traditional urban design problems are also explored including streetscape, plaza design and building settings. Further refinement of design process implementation and communication skill is emphasized.
- **LARC 331: Introduction to Site Construction Studio. Four Credits. Winter 1997.** Focus is on the functional aspects of three dimensional land forming, grading and drainage. Development of grading plans, vertical control and dimensioning of typical built elements – walks, roads, walls, steps, and elementary structures of closed storm water conveyance systems are emphasized. The ecological aspects of site grading including minimization of site disturbance, balancing cut and fill on site, protection of existing elements are examined. Level of information required for construction documents is introduced.
- **LARC 332: Introduction to Materials. Four Credits. Winter 1997, 1998, and 1999, Fall 2000.** The technical design and behavior of typical landscape materials are examined including masonry, stone, concrete, asphalt, timber, plants, as well as proprietary and custom site furnishings. Horizontal layout of site work is introduced. Detail design drawings and small-scale site work bid package is stressed. CIS specification system and technical specifications are introduced. Construction costs estimates are prepared. Coordination of construction document packages and aesthetic aspects of detail design are stressed
- **LARC 402: Community Housing. Six Credit Studio. Winter 2000, Spring 2001.** Studio based on precedent case study and field exploration of various housing typologies. Course explored concepts and principles of new urbanism, transit oriented development, mixed primary uses, small blocks, great streets and other issues pertinent to community livability. Studio considered needs of unique user groups, particularly elderly with assisted care needs. Design emphasis was on the use of architecture to define space and the hierarchy of spaces from private to public.

- **LARC 411/412: Introduction to Landscape Graphics. Two Credits. Spring 1997, 1999, 2000.** Sketching, diagramming, plan, section elevation and three dimensional hand graphic methods and techniques are explored. Color theory introduced and color renderings are prepared. Emphasis is on skill building, visual learning, and a process approach to the work. Various media are explored in abstract and traditional site work projects.
- **LARC 433: Large Scale Construction Studio. Four Credits. Winter 1997, 1998, 1999, and 2000.** Course explores land forming, complex grading and related issues of larger scale urban development. Construction sequence and staging, site erosion impacts, erosion prevention and control and conservation site planning approaches are explored. Technical specifications for Site Prep and Earthwork are examined. Urban storm water management issues and BMP's are examined with emphasis on the sizing and design of water quality treatment wetlands.
- **LARC 473: Professional Practice. Two Credits. Spring 1997.** Students are exposed to the range of professional roles available to landscape architects in the private, public and non-profit sectors. Professional ethics, the literature of the profession and project management skills are covered. Student's preparation professional resumes conduct informational interviews with local offices and hone public presentation skills.

Grant Activity at Cal Poly

Spring 2006

- **Project Proposal Description**: A Comprehensive Storm Water Management Program to include the Development of a hydrologic modeling system, the implementation of a demonstration Low Impact Development project, and construction of a storm water treatment wetland on the campus of Cal Poly SLO.
- **RFP Title:** 2005-06 Consolidated Grant Program
- **Granting Agency:** State Water Resources Control Board
- **Cal Poly Team Members:** Bill MacElroy, Assistant Professor Landscape Architecture
    - Saad Merayyan, Assistant Professor, Civil & Environmental Engineering
    - Kim Busby, CPSWQ, Environmental Health & Safety Department
    - Mike Multari, Associate Planner, Facilities Planning & Capital Projects
    - Doug Overman, Assistant Director, Facility Services/Admn. & Finance
    - Dr. James Vilkitis, Professor, Natural Resources Management
- **Amount Requested:** $300,000.00
- **Grant Status:** 50 proposals from across the state were submitted. Our initial short proposal earned an invite to submit a full proposal but we did not receive the award.

Fall & Winter 2005/2006

- **Project Title:** Enhancing Student Learning: Developing an Interactive Visual Design Rubric
- **Granting Agency:** Center for Teaching and Learning Grant Award of
- **Team Members**: Bill MacElroy, Assistant Professor of Landscape Architecture, Cal Poly SLO. Mark West, Associate Professor of Landscape Architecture, University of Connecticut, & visiting Lecturer at Cal Poly 2005/06.
- **Project Description:** Develop and interactive web base visual design rubric for student use in understanding the phases of the Design Progress, the appropriate products for the various phases of the design process and interactive case studies of evaluation of these products with appropriate metrics to evaluate them.
- **Amount Awarded:** $5,656.00
- **Project Status:** Funding has been utilized but the work is ongoing. To date student work from approximately a dozen studio courses have been photographed, photo-shopped for the web and archived. The architecture of the web page has been designed. The prototype web page structure has been developed. Support materials & related web links have been gathered
- **Project Title:** Developing a relationship between the Dunes Collaborative, Cal Poly Landscape Architecture and the community through studio education

- **Granting Agency:** The Dunes Collaborative, Guadalupe California
- **Applicant:** Bill MacElroy, Assistant Professor, Landscape Architecture, Cal Poly SLO
- **Amount Requested:** $11,324. The intent was to develop an ongoing studio in the LA Department that addressed site planning and design issues related to the Dunes complex stretching from Guadalupe to Pismo Beach and to use the studio as an outreach mechanism to school children. Initial funding was to develop the prototype studio and offer it the first year of the funding
- **Grant Status:** The Dunes Collaborative gave very favorable feedback to the proposal but the timing for their spending priorities was not right. Award not made at this time.

Spring 2006

- **Project Title:** Building Upon Current Work under a CTL Grant titled: *"Enhancing Student Learning: Developing an Interactive Visual Design Rubric."*
- **Granting Agency:** CAED Research Seed Grant Funds
- **Team Members:** Bill MacElroy, Assistant Professor Landscape Architecture, Cal Poly. Mark Westa, Associate Professor of Landscape Architecture, University of Connecticut.
- **Amount Requested:** $4000.00
- **Project Status:** Award not made.

Fall 2005

- **Project Title:** A Master Plan for the Nipomo Dunes Complex at Pismo Beach State Park: A Catalyst for Linking the Dunes Collabrative, Cal Poly & County School Children.
- **Granting Agency:** The Dunes Collaborative, a SLO County Non-Profit.
- **Amount Requested:** $6,500 to jointly develop and teach an initial studio developing the Master Plan and the links with local school groups interested in the outreach aspect.
- **Project Status:** Proposal very well received, but funds directed to other planned initiatives.

Summer 2004

- **Project Title:** A Multidisciplinary Partnership Developing Sustainable Development Planning and Site Design Principles in Rural & Urbanizing Fringe Environments in Mexico.
- **Granting Agency:** TIES Grant
- **Team Members**: William Siembieda, Department Head, City & Regional Planning, Cal Poly SLO. Professor Vicente Del Rio, CRP Cal Poly. Associate Professor Mike Boswell, CRP, Cal Poly SLO. Professor Brian Kesner, Architecture, Cal Poly, SLO. BAUP faculty, Puebla Mexico.
- **Amount Requested**: 297,000
- **Project Status**: Award not made.

Publications & Submitted Abstracts

- MacElroy, William P. 2007. The Landscape and Sustainability: How a more conscious shaping of landscape spatial structure can promote critical landscape values. Abstract submitted for the San Francisco AIA sponsored Eco Wave Conference. Abstract accepted. Conference cancelled.
- MacElroy, W. P. & Mark Westa. Envisioning Change: Improving Design Education – Developing a Visual Rubric. Abstract Submitted: To Council of Educators in Landscape Architecture. Abstract not selected.
- MacElroy, William P. 2005. Ecological Networks: A Framework Model for Evaluation of Landscape Conditions Applied to a Campus Site. In 'Sustainable Technology Park at California Polytechnic State University San Luis Obispo: Handbook of Guidelines: Ecology meets Technology.' Published by the College of Architecture & Environmental Design, California Polytechnic State University, San Luis Obispo. Funded by the Research & Graduate Program Office, California Polytechnic State University, San Luis Obispo.
- MacElroy, William P. 2005. Abstract Submitted Spring 2005 to CELA. The abstract was titled, "Bridging Scales In Creating Place: How Site Design Can More Actively Recognize & Embrace the Dynamics of Context." Abstract not selected.
- MacElroy, W. P. **Design and Meaning: Directions While the World Shifts Under Our Feet.** In progress theory paper. Abstract Accepted. Paper not completed or presented.

- MacElroy, W. P. and Daniel Winterbottom. **Fountains: Some Guidelines, a Primer on Materials and Mechanical Operations.** In: Landscape Architecture Magazine. June 2001.
- MacElroy, W. P. and Daniel Winterbottom. **Stone Veneer Site Walls.** In: Landscape Architecture Magazine. February 2001.
- MacElroy, W. P. and Daniel Winterbottom. **Storm water Ponds.** In: Landscape Architecture Magazine. April 2000.
- MacElroy, W. P. and Daniel Winterbottom. **Up Upon a Pedestal: Roof Deck Paving Systems** In: Landscape Architecture Magazine. January 2000.
- **Reading the Urban Landscape: A Context for the Appropriate Selection and Application of Urban Best Management Practices.** University of Washington in cooperation with the Natural Resource Conservation Service, USDA. Seattle, Washington. Draft Document, 1998.
- MacElroy, W. P. and Daniel Winterbottom. **A Model for an Emerging Twenty-first Century Middle Landscape**. In: Critiques of Built Works of Landscape Architecture. Louisiana State University School of Landscape Architecture, Baton Rouge. Fall 1997, V4 (10-14).
- **Design versus Nature: A question of Values**. April 1994. Author. State of Washington ASLA newsletter, Featured editorial.
- **Wetlands: Processes, Values and Design Guidelines - A Primer**. Unpublished Masters Thesis, The University of Michigan, 1984. Established a conceptual framework of landscape aesthetics that served as a framework for form giving design guidelines for created wetlands. Design principles evolved from an examination of the commonalties between factors contribution to visual quality and habitat diversity.

Invited Speaking at Cal Poly

Spring 2008

- **Center for Teaching & Learning, Cal Poly SLO.** 'An Integrated Approach to Assessing Student Work.'

Spring 2007

- **Center for Teaching & Learning, Cal Poly SLO.** 'An Integrated Approach to Assessing Student Work.'

Spring 2006

- **Presidents Advisory Committee on Sustainability, Cal Poly SLO. '**A Landscape Based Approach to Sustainability.'

Conferences and Seminars Attended

- **Center for Teaching & Learning, Fall Quarter 2003**. Full Quarter Effective Teaching & Learning Course Completed
- **March 24, 25, 26th, 2004. IV Congreso Internacional de Urbanismo y Medio Ambiente, Puebla Mexico.** Participated as invited keynote speaker at an International Conference on Sustainability in Urban Environments. Presented a paper I completed in February 2004 titled: A Landscape Approach to Achieving Sustainability in The Total Human Ecosystem.
- **June 15 & 16, 2004. Teaching-Scholar Summer Institute. S**ponsored by the CSU Institute for Teaching & Learning. Two full day seminars attended: "Supporting Student Learning with the Blackboard Course Management System," and, "The Effective Use of Academic Technology in the CSU."
- **August 4th, 2004. Sustainable Waste Water Management Seminar**. Sustainable Living Seminar Sponsored by the Solar Living Institute, Hopland California at the John T **Error! Contact not defined.**, California State University Pomona
- **June 21st 22nd . Building Confidence: From Sustainable Policy to Practice**. University of California at Santa Barbara.
- **Black Board and Dream Weaver Modules.** Center for Teaching & Learning, Cal Poly SLO modules, Fall 2002.
- **Restoring California Landscapes with Native Grasses Workshop.** California Native Grass Association. Fall 2002
- **Introduction to HTML, Web Development with Dream Weaver and Introduction to Photoshop.** Central Seattle Community College. Enrolled for 90 hours of professional development instruction. Winter 2001.

- **Design of Storm water Runoff Water Quality Treatment Facilities**. Two-day training workshop conducted by King County Washington Department of Natural Resources, Surface Water Management Division. Spring 1999.
- **Urban Retrofit Conference for Storm water Management**. Sponsored by Northeast Illinois Planning commission. Chicago, February 1998.
- **Introduction to the Internet**. North Seattle Community College, summer 1996.
- **Introduction to AutoCAD**. North Seattle Community College, fall 1995
- **Intermediate AutoCAD**. North Seattle Community College, fall 1995

Service While At Cal Poly

University

- University Sustainability Advisory Committee
- Brizzolara Creek Committee
- Writing Skills Workshop Participant

College (CAED)

- Sustainability- Regional & National Networking Work Group
- College Scholarship Committee
- Participating in Solar Decathlon Advising LA & Architecture Department student Participants (Winter 2005)
- Sustainability Workshop for Campus Housing North (Fall 2004)
- Invited "Expert Advisor" to the "Cal Poly Sustainability Technology Park Efforts (2005)

Department

- Mission, Vision, and Values Update Committee
- Student Chapter of ASLA Faculty Advisor
- Sigma Lambda Alpha Honors Society Faculty Advisor
- MLA Prospectus Committee
- Tenure/Tenure Track Department Advisory Committee
- SER preparation for Accreditation
- Liaison to the Landscape Architecture Department Advisory Committee
- Preparation in Departmental Strategic Plan Preparation

Community Outreach & Service.

- **A Garden for a Non-Profit Transitional Woman's Housing Shelter, San Luis Obispo.** Advised four undergraduate cross-disciplinary students in the design and building of a multi-component garden.
- **Developing an Environmental Outreach Program.** Advising three undergraduate students performing basic research to develop a community outreach program linking Cal Poly Students with school children in SLO County with a focus on California Coastal Ecology and how landscape architecture engages the issues of the interface of urbanized environments with coastal natural systems and values.
- **LA 201 Service Projects**. Course assignment resulted over 500 hours of service environmentally based SLO City & County Non-Profits organizations (2003.)

PROFESSIONAL WRITING

- **Spokane Federal Courthouse Plaza Upgrade - Schematic Design Narrative**. 1994. Author. General Services Administration of the United States Government. Richard Haag Associates, Seattle, Washington.
- **Proposed Storm water Management Measures and Anticipated Effects on North Campus Drain**. 1993. Author. Technical Memorandum - Phase I and II Expansion. Warner Lambert - Parke Davis Inc. Ann Arbor, Michigan. Pollack Design Associates, Ann Arbor, Michigan.
- **Proposed Mitigation and Enhancement Measures for Storm water Wetlands.** 1992. Author. Pointe on Pleasant Lake Condominiums, Bloomfield Hills, Michigan. Wynmoor Development Corporation.
- **Environmental Assessment of a Proposed Sand and Gravel Mining Operation**. 1991. Co-author. Hartland Township, Michigan. Edward C. Levy Company. Johnson Johnson & Roy/inc., Ann Arbor, Michigan.
- **Environmental Assessment of a Proposed Sand and Gravel Mining Operation**. 1991. Author. Milford Township, Michigan. Edward C. Levy Company. Johnson Johnson & Roy/inc., Ann Arbor, Michigan.
- **Golf Course Housing - Conceptual Design Report.** 1992. Author. The Rock, Drummond Island, Michigan. Domino's Development Corporation. Johnson Johnson & Roy/inc., Ann Arbor, Michigan.
- **Technical Memorandum I - Site Analysis and Planning Issues**
- **Technical Memorandum II - Conceptual Site Plan Alternatives**. 1990. Author. lrondequoit Bay/Glen Haven Park West, Rochester, New York. Johnson Johnson & Roy/inc., Ann Arbor, Michigan.
- **Sand Transport, Schematic Design, Design Development Reports**. Lake Fill, Shoreline Protection, Beach Restoration and Recreational Development. Loyola University Chicago, Illinois, 1988 and 1989. Co-author. Johnson Johnson & Roy/inc, Ann Arbor, Michigan.
- **Campus Master Plan Update, Lake Superior State University**. 1987. Co-author. Sault Ste. Marie, Michigan. Johnson Johnson & Roy/inc., Ann Arbor, Michigan.
- **Kerrytown Farmer's Market Neighborhood Study**. Ann Arbor, Michigan, 1986. Urban Design Study involving active community participation. Co-author. Johnson Johnson & Roy/inc, Ann Arbor, Michigan.
- **Environmental Assessment of Proposed Lakefront Protection, Beach Restoration and Recreational Development**. City of Lake Forest, Illinois, 1986. Co-author. Johnson Johnson & Roy/inc, Ann Arbor, Michigan.

PROFESSIONAL DESIGN CONSULTING WORK

Urban Planning & Design

- **Multi-Mode Transportation Hub Design Competition in Arizona, 2007, 2008.** With Lorna Jordan, Seattle Artist. Participate in weekend design charettes for Urban Design conceptualization for this competition between artists. Submission I participated in was one of the winning entries for the initial competition.
- **Westlake Ave Open Space Initiative, 2001.** Seattle, Washington. Lorna Jordan, Artist. Development of urban design alternatives for a five-city block long streetscape with nine associated open spaces. Senior participant in facilitation of design charettes with Artist and her staff. Project is looking at prototype designs that integrate art and technology in the creative expression, use and management of storm water.
- **Spokane Federal Courthouse Plaza Upgrade,** Spokane, Washington. RHA. Project manager and lead designer in the development of design concepts and schematic design presentation drawings for the renovation of a 1.9-acre urban plaza located over below grade parking. Plan features included: a new multi-faceted, interactive water feature; lush plantings to provide spatial definition, shade and green relief; enriched paving to introduce color, texture, reduce glare and reflect the architectural order.
- **Barkley Village,** Bellingham, Washington. RHA. Project management, coordination and designer for phased 200-acre mixed use urban village. Development. Preparation of concept design alternatives including recommendations for a soft storm water management system. Prepared refined schematic alternatives and design illustrative plans for site plazas, entries and drop offs. Coordinated site design efforts with architectural consultant. Designed landscape plans and landscape bid documents for Phase I & II development. Coordinated site design issues with construction managers.
- **Reef Point Harbor & Marina Park**. Racine, Wisconsin. JJR. Prepared site plan and detail design

development drawings, illustrative drawings, report graphics and bid documents for a full-service, 1,000 boat marina and county waterfront park built on 20 acres of lake fill. Coordinated landscape architecture site work with civil engineering consultants. Performed construction observation.

- **Racine Festival Park, Racine Wisconsin.** JJR. Assisted in design development and preparation of bid documents for a multi-use 4.5-acre waterfront park and plaza. Assisted in construction observation.
- **Kenosha Marina Park.** Kenosha, Wisconsin. JJR. Developed Schematic plans and illustrative drawings demonstrating the mixed use urban redevelopment potential for an abandoned automobile manufacturing site and adjacent industrial waterfront parcels. Plans included a large marina and associated facilities, office & commercial development, residential housing, and public open space
- **Kerrytown Farmer's Market Study.** Ann Arbor, Michigan. JJR. Project team leader and liaison with Farmer's Market business association in a pro bono development of an urban neighborhood and marketplace improvement plan. Prepared neighborhood Master Plan, illustrative drawings, report narrative. Participated in neighborhood design workshops and community design field walks. Presented study findings to community and business representatives in a public forum.
- **Frye Art Museum Renovation, Seattle, Washington,** Rich Haag Associates.
  Project management, coordination and preparation of bid documents for the architectural and site work renovation of a private art museum in downtown Seattle.

Campus/Educational Planning & Design

- **Zion Preparatory Academy and Preschool Village**, Seattle, Washington. RHA.
  Collaborative work with architect and civil engineering in the development of a 1.2-acre preschool village for inner city minority children. Plan grouped eight small classroom buildings and a multipurpose building around a central play space. Interactive concept gardens were incorporated with the intent of fostering an appreciation for nature and developing the nurturing aspect of the children's personalities. Prepared site plan alternatives, design details, permit drawings and site work construction documents.
- **Warner Lambert/Parke Davis Inc.,** Ann Arbor, Michigan. Pollack Design Associates.
  A 160-acre corporate campus. Prepared design alternatives, presentation graphics and construction documents for site entries, corporate signage, visitor arrival and parking areas. Coordinated efforts of engineering, lighting and sign fabrication consultants. Prepared site plan approval drawings for campus expansion. Designed low maintenance landscape plans, utilizing native plants to integrate components of the site storm water management system. Wrote report describing proposed measures to enhance aesthetic, water quality and wildlife habitat values of site watershed management plan. Prepared City and State wetland permit applications.
- **University Corporate Research Park,** Lansing, Michigan. JJR.
  A 115-acre research park developed by the Michigan State University Foundation. Developed overall landscape concept plans including jogging trails, land forming, horizontal and vertical road alignment, wetland mitigation and enhancement, and site lighting. Prepared design alternatives for site entry sign walls. Prepared all construction drawings and specifications for site landscape development including custom limestone sign walls. Reviewed site plan documents for individual parcel development to ensure conformity to overall park design standards. Conducted construction observation and follow-up.

- **Loyola University Chicago,** Chicago, Illinois. JJR.
  A proposed 18.5-acre lake fill to accommodate expansion of university athletic facilities, public recreation and lake access. Prepared site plan and site detail design alternatives, presentation renderings and report graphics. Conducted research and prepared reports describing the environmental implications, permit requirements, logistic and construction methods required to transport and place 900,000 tons of fill and coastal protection material. Co-authored and coordinated all aspects of the schematic design, design development and littoral sand transport reports. Prepared draft report for City of Chicago Lakeshore District permit.
- **Lake Superior State University**. Saul Ste Marie, Michigan. JJR.
  Prepared Master Plan for a small campus anticipating student growth. Infill sites were identified and prioritized to spatially define a central campus commons as the heart of the campus. Circulation recommendations simplified movement, removed vehicular traffic from the inner campus core and reduced total feet of roadway. Recommendations to address issues of campus identity and image were developed. All narrative text and illustrative diagrams and drawings prepared.

Park & Recreational Planning & Design

- **Moore's Park,** Lansing, Michigan. Pollack Design Associates.
  Renovation of existing and construction of new site and architectural features for a 12-acre neighborhood riverfront park. Responsibilities included preparation of site plan design development alternatives and all site detail design. Prepared all site work construction drawings, technical specifications and construction cost estimates. Prepared Michigan Department of Natural Resources riverine floodplain permit. Directed civil engineering plans and coordinated development of architectural plans with site work.
- **Glen Haven/lrondequoit Bay Park West,** Rochester, New York. JJR
  A 120-acre public waterfront park on Lake Ontario's Irondequoit Bay. Responsible for all aspects of project management, site planning and design. Conducted field investigation and prepared site environmental framework plan. Wrote reports describing critical planning and ecological issues. Prepared conceptual site plans, presentation graphics and site development cost estimates.
- **Midland Rails To Trails**, Midland, Michigan. Pollack Design Associates.
  Conversion of three miles of existing railroad bed to public pedestrian use trail. Responsible for field observation and notation of existing site conditions, development of schematic design alternatives for project features including the refurbishment of an existing railroad bridge for pedestrian use and plans for a downtown trail head plaza. Prepared design development and contract drawings for bridge restoration and site details. Coordinated production of working drawings and performed in-house review of construction bid package.
- **McCormick Park,** Duvall, Washington. RHA
  Preparation of Concept Design, Documentation and presentation for successful competitive state funding application, consulting on preparation of SEPA documents for permitting process for a 12-acre passive recreation community riverfront park.
- **The Rock Resort,** Drummond Island, Michigan. JJR.
  A multiple-use north woods resort on Drummond Island, Michigan. Responsibilities included field assessment of the aesthetic and functional aspects of the existing facilities and program, preparation of a comprehensive conceptual Master Plan for improvements to the resort village, recommendations for landscape improvements to the golf course, site carrying capacity studies and conceptual site plan alternatives for golf course-related housing.
- **Levy Sand and Gravel Company,** Milford Township, Michigan
  Authored environmental assessment of proposed sand and gravel mining operation on 455-acre site. Responsibilities included evaluation of existing site conditions, community and regional issues, proposed mining operations and potential impacts on existing natural and cultural resources. Directed and coordinated work of the field botanist, wildlife biologist and water resource specialist. Recommended permitting strategy and mitigation measures. Prepared schematic site plan for post-mining land development.