



ECOLOGICAL DESIGN & PLANNING, INC.
LANDSCAPE ARCHITECTURE AND LAND PLANNING
DRIPPING SPRINGS, TX.
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MICHAEL D. MORROW, ASLA

EDUCATION: Post-Professional Masters Degree in Landscape Architecture, University of Massachusetts, Amherst, MA – 1998 (Graduated top 1% of class)

Bachelor of Science in Landscape Architecture, California Polytechnic State University, San Luis Obispo, CA – 1995 (Graduated Magna Cum Laude)

REGISTRATION: Landscape Architect License, California #4434
Landscape Architect License, Texas #2204

EXPERIENCE:

Present:

FORMA – LANDSCAPE ARCHITECTURE DIRECTOR

In charge of sustainable systems for large projects such as the Great Park Project-Irvine California (a proposed park project larger than Central Park in New York and is to be one of the finest examples of sustainable design in the country) and Hawaii project for Michael Cousteau (Jacques Cousteau's son)

2005 to Fall '06:

SENIOR ASSOCIATE LANDSCAPE ARCHITECT, Carlile • Macy
Senior Associate and Co-head of landscape architecture/urban planning team. Responsible for design, project management, staff management, and coordination of subconsultants on public and private projects, with an emphasis on sustainable design. Leader and originator of sustainable design branch of company. National expert on stormwater management and key speaker at state and international sustainable conferences. Innovator of several key post-construction BMP's for stormwater management and has helped Sonoma County California with clarifying their stormwater implementation processes. Innovator of multidisciplinary, systemic, integrative design for energy savings and multiple habitat protection on projects.

1998 to 2005

PRINCIPAL, Ecological Design and Planning, Inc.
President of this corporation dedicated to developing sustainable design techniques for a wide range of projects from thousand acre housing and recreation to urban office parks, multiuse recreation trails and conservation subdivision housing design.

1996 to 2005

UNIVERSITY FACULTY INSTRUCTOR, University of Massachusetts, California Polytechnic University and Texas State University
Responsible for teaching a wide array of landscape architecture principles including spatial design formation, technical construction process, graphic

display, computer technology, sustainable design practices, urban design & new urbanism. Also taught in the City and Regional Planning Department for Cal Poly for 3 years. Was one of the early pioneers that established sustainable design in the entire field of landscape architecture and is known nationwide for his contribution to this field.

1989 to 1996

LANDSCAPE ARCHITECT CONSULTANT

Mr. Morrow was a design consultant for several major landscape architecture projects including a large-scale greenway project in the Nashua River Valley of North Central Massachusetts encompassing multi-use hiking, biking and pedestrian trails; GIS mapping; composite assessment; framework models for multi-scalar development from large regional greenway to site scale. Statewide greenway design, in association with the METLAND Group headed by Dr. Julius Fabos, a well respected national authority on greenway planning and policy development. Other firms Mr. Morrow worked with during this time frame include Tsui Design and Research, a world renowned environmental architecture firm, and Pacific Coast Land Design.

PROFESSIONAL AFFILIATIONS:

AIA (American Institute of Architects); APA (American Planning Association); CNU (Council of New Urbanism); ASLA (American Society of Landscape Architects); USGBC (United States Green Building Council)

AWARDS:

American Society of Landscape Architects Merit Award for Excellence in 1995

ARTICLES, BOOKS, & LECTURES:

The Future of Landscape Architecture: Council of Educators in Landscape Architecture – Author
Ecological Design Criteria for Housing – Author – Final Publication Date TBD

Barton Springs Watershed Protection Criteria Manual – Expert Consultant

Lecture: Address to American Society of Landscape Architects and Civil Engineers and Land Surveyors National organization on – Storm water management – Post Construction BMP's

Lecture: Green San Diego – Water and ecosystem design – key speaker – Fall 2006

Lecture: American Society of Landscape Architects and International Federation of Landscape Architects – Landscape Architects Role in Storm Water Management, Minneapolis, Largest conference on Sustainability in this field in history – key speaker - Fall 2006

SELECTED RELATED PROJECT EXPERIENCE: (From 1997-Present)

(1) NASHUA RIVER GREENWAY PROJECT: Site Project Development -Ecological Design Consultant for a large scale greenway project in the Nashua River Valley of North Central Massachusetts encompassing multi-use hiking, biking and pedestrian trails; GIS mapping; Composite Assessment; Framework models for Multi-scalar development from large regional greenway to site scale. This project was in association with the METLAND Group headed by Dr. Julius Fabos - well respected national authority on Greenway Planning and Policy Development.

(2) Master Plan Development for King Hussein of Jordan' s extensive private estate - Project consultant. The lead planner/landscape architect for this project was Steven

Ellberg and Associates from Ventura, Ca. This project included woodland/ecological concerns interfacing with intricate private development.

(3) Conceptual Design Development Coordinator for Mid-Higuera Street Redevelopment in San Luis Obispo, Ca. This was a conceptual design development class coordinated for Dr. William Siembieda - Department Head of the City and Regional Planning Department

at Cal Poly, San Luis Obispo. This project consisted of redevelopment of the Downtown Core in connection with the adjacent creek and maintaining environmental integrity and storm water runoff issues. Several sustainable/ecological alternatives were devised such as porous paving for the parking lots which is now being considered as a Design Guideline for creek development in the San Luis Obispo area. Ecological Design and Planning's Michael Morrow first envisioned this innovative solution.

(4) Conceptual Design Development- in association with Cal Poly San Luis Obispo, Ca. for the Arroyo Linda project. This consisted in the development of a Master Plan for a High-Tec Village/Housing Development to be located on the south side of Traffic Way in Arroyo Grande. RRM was the consultant for this project. This was an Urban Design Project. Both the community and the Community Development Department were very impressed with the ecological design solutions, such as Bio-retention basins tied to porous paving, to retain water to be recycled for landscape watering and the potential to recharge the local aquifer with purified storm water.

(5) Ecological Design & Planning made the short list for the EAST/WEST project in Cambria. This project is considered one of the highest profile state of California Open Space Park Projects. This is a project consisting of approximately 434 acres of Public Open Space. The project was to develop a Master Plan/Resource Management Plan-Public Access for this entire area.

(6) Urban Enhancement Plan – Broad Street Redevelopment (San Luis Obispo-Ca.): create alternatives for streetscape; rezoning; greenway & bikeway; park/multi-use recreation area; housing/mixed use locations; overall master plan development. In conjunction with the City of San Luis Obispo long-range development department – Mike Drazz lead agent.

(7) Candlestick Park Town Homes- San Francisco, Ca., Senior Associate: Camp &Camp; MVP Architect – designed podium level landscape courtyards; outdoor entertainment areas; entry features; site amenities and circulation

(8) Toll Bros. Housing- Norris Canyon Estates, East Bay, San Francisco; designed streetscape; housing unit landscapes; enhancements; street tree studies (300 + units starting at 1.1 million per unit)

(9) Stone Gate Model Homes, Mark Pringle Group – designed all landscape and circulation features for three model homes including parking; entry signage; streetscape;

site amenities; outdoor entertainment areas (one of the first ecologically designed landscape housing developments, using natives and other features); produced construction CD sets

(10) Empire Business Park, - Pittsburg, Ca. (East Bay S.F.) housing multiple business enterprises; designed all phases of landscape development, including parking amenities, circulation systems, biological storm water controls

(11) Contractors Common, Livermore, Ca.; Office/Industrial Development complex; designed all phases of landscape, including biological storm water runoff systems; native planting and microclimatic planting schemes; circulation systems; visual corridors; entry signage

(12) COTTONWOOD, HUTTO TEXAS: 300 ac. Project with 55 ac. multi-use recreation area, 100 acres open space plan, 900 units housing – Master Plan and Site Concept plan development

(13) Subdivision & Master Plan- 60 ac. Conservation Subdivision Design: Dripping Springs, Tx. (implementation of Randal Arendt's methodology) & also helped write a planning document that was used by the Community Development Department that implements this methodology for all projects within the county.

(14) Commercial Site Plan Development- 5,000 sq. ft. Food Court with storm water collection design (Hwy 290 – Dripping Springs)

(15) Commercial Site Plan Development- 7 acre Mixed Commercial/Warehouse: Master Planned all areas including wetland designation area(Hwy 290 – County Line) (area: Austin, Texas)

(16) Lead Coordinator/Planner/Landscape Architect for a potential 1,040 Conservation Subdivision Development-Blanco, Tx.

(17) Santa Rosa Village (Santa Rosa, California) – approx. 14 acres Mixed-Use development with retail, shopping center and approx. 200 unit housing component. Developed concepts for entire site plan, conceptual landscape plan, detailed stormwater management plan that included porous paving, bioretention systems, raised planter bioretention.

(18) Toscana – (Santa Rosa, California) – approx. 300 unit Townhome development, dense urban development – assisted with landscape plan and developed the entire stormwater management plan, meeting current SUSMP (Standard Urban Stormwater Management Plan) requirements

(19) Creekside Village (Santa Rosa, California) – approx. 200 unit Townhome development including an adjacent historic park development. Assisted with elements of the landscape plan and developed the program and site design

- implementation of all aspects of the stormwater management plan, including all hydrolic calculations. This plan included bioretention systems, raised bioplanters, porous paving and other key BMP's
- (20) Saggio Hills (Healdsburg, California) – 900+ acre resort development (club house, pool, horseback riding, trails, etc.) that included a high-end residential component, community wide park system, affordable housing module, and extensive wildlife habitat program. I worked on developing concepts for the overall site constraints mapping, specific design development phases, innovative integration of natural systems hydrology, wetland system development, park amenities, and conceptual stormwater management plan
 - (21) Shilo Sustainable Village (Santa Rosa, area) – all solar Mixed-Use Development that includes, retail, shopping and entertainment venues. This is an integrative sustainable development that will include solar energy, the latest water reuse technology – including cistern storage, bioretention systems, elaborate green roof systems. Helped orchestrate and conceptualize project components and assisted with early design development
 - (22) Sonoma Mountain Village (Rohnert Park, California) – Major Sustainable New Town Sector Development -1900 residential units, 370,000 s.f. mixed use and 104,000 s.f. of retail – New Urbanism Development with appropriate transects of development. (approx. 600-800 million dollar build out projected). I helped devise early strategies for coordinating all of the multi-complex issues into a coherent system and approach to gain more water allocation. This included sustainable strategies of coordination between hydrologists, geologists, green roof experts, engineers, etc. This included constructed wetland with varying hydric zones for salamander habitat (endangered species), lake development, biological wastewater treatment and other complex interrelations.
 - (23) Great Park Project – Irvine California (Praised as the next Central Park in the United States), consist of approximately 1400 acres of ex- El Toro Marine base property. This is a public/private venture. I wrote all of the sustainable criteria and program development for the housing and park, golf course interface (historic development) portion of the project. Initiated work for the golf course to gain a Silver Audubon rating for ecological sustainability.
 - (24) Cousteau Resort Development (Big Island, Hawaii) – developed all program sustainable criteria for this multi-acre resort that includes an 18 hole golf course, club house, sea turtle habitat protection zone, ecological coastal management plan, Cousteau educational and inter-island program that interrelates the local arts with ecological preservation (I authored the original document that envisioned this entire process, including components) and I also did detailed site design for specific aspects of the development