



VILLAGE OF KEY BISCAYNE

Office of the Village Manager

Village Council

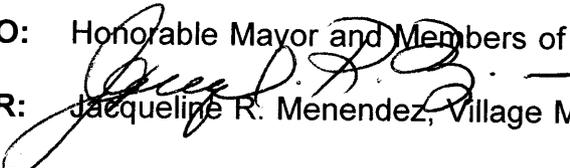
Robert Oldakowski, *Mayor*
Robert L. Vernon, *Vice Mayor*
Enrique Garcia
Steve Liedman
Jorge E. Mendia
Thomas Thornton
Patricia Weinman

Village Manager

Jacqueline R. Menendez

DT: October 3, 2005

TO: Honorable Mayor and Members of the Village Council

FR: 
Jacqueline R. Menendez, Village Manager

RE: Landscape Maintenance Guidelines for Public Spaces

RECOMMENDATION

It is recommended that the attached resolution be approved. The resolution authorizes the execution of a contract with Wallace, Roberts, and Todd to prepare Landscape Maintenance Guidelines for Public Spaces.

EXPLANATION

The Village Council directed my office to upgrade the appearance of all of the publically owned land in the Village including all swales, parks, and medians. I am suggesting that the standard that the Village wishes to achieve will match the grounds at The Ritz Hotel.

The first step in the process is to retain a consultant to prepare a manual that sets forth maintenance specifications for all plantings, groundcover, trees, trimming, edging, mowing, pruning, irrigation, application of fertilizer, application of insecticides and herbicides and other pertinent functions. With regard to trees, the consultant will work with our arborist.

The attached resolution retains the services of Wallace, Roberts and Todd to prepare Guidelines. Their proposal includes the services of Lisa Hammer, a Horticulturalist who prepared similar guidelines for the Key Biscayne Ritz Hotel. The fee to prepare the Guidelines is \$42,500. The funding source is the "Reserve for Master Plan Initiatives".

RESOLUTION NO. 2005-

A RESOLUTION OF THE VILLAGE COUNCIL OF THE VILLAGE OF KEY BISCAYNE, FLORIDA, APPROVING AGREEMENT FOR PROFESSIONAL SERVICES BETWEEN WALLACE ROBERTS & TODD, LLC., (THE "CONSULTANT") AND THE VILLAGE OF KEY BISCAYNE CONCERNING PLANNING SERVICES FOR PREPARATION OF LANDSCAPE MAINTENANCE GUIDELINES FOR VILLAGE PUBLIC SPACES; AUTHORIZING VILLAGE MANAGER TO EXECUTE THE AGREEMENT BETWEEN THE VILLAGE AND CONSULTANT; PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, the Village Manager has recommended that the planning firm of Wallace Roberts & Todd, LLC., (the "Consultant") be retained to perform additional planning services for the Village including preparation of landscape maintenance guidelines for Village public spaces; and

WHEREAS, these professional services are exempt from public bidding pursuant to Village Code Section 2-87(2); and

WHEREAS, the Village Council finds that approval of the proposed Professional Services Agreement between the Village and Consultant is in the best interest of the Village.

NOW, THEREFORE, IT IS HEREBY RESOLVED BY THE VILLAGE COUNCIL OF THE VILLAGE OF KEY BISCAYNE, FLORIDA, AS FOLLOWS:

Section 1. Recitals Adopted. That each of the recitals stated above is hereby adopted and confirmed.

Section 2. Services Authorized, Specification of Funds. That the planning services to be provided by Consultant to the Village are hereby authorized, as described in the Professional Services Agreement which is attached hereto, in accordance with the funding source which is identified in the Village Manager's Memorandum which accompanies this Resolution.

Section 3. Agreement Approved. That the Professional Services Agreement (the "Agreement") between the Village and Consultant, in substantially the form attached hereto, is hereby approved, and the Village Manager is hereby authorized to execute such Agreement on behalf of the Village, once approved by the Village Attorney as to form and legal sufficiency.

Section 4. Implementation. That the Village Manager is hereby authorized to take any and all action necessary to implement the purposes of this Resolution and the Agreement.

Section 5. Effective Date. That this Resolution shall be effective immediately upon adoption hereof.

PASSED AND ADOPTED this ___ day of _____, 2005.

MAYOR ROBERT OLDAKOWSKI

ATTEST:

CONCHITA H. ALVAREZ, CMC, VILLAGE CLERK

APPROVED AS TO FORM AND LEGAL SUFFICIENCY:

VILLAGE ATTORNEY

103.001/Resolutions/preparation of landscape maintenance guideline with Wallace Roberts 9.22.05

**VILLAGE OF KEY BISCAYNE
AGREEMENT FOR PROFESSIONAL SERVICES**

THIS AGREEMENT, made and entered into this ___ day of September, 2005, by and between the VILLAGE OF KEY BISCAYNE (the "VILLAGE") and WALLACE ROBERTS & TODD, LLC., a Florida Limited Liability Company (the "CONSULTANT").

RECITALS:

The VILLAGE wants to engage the CONSULTANT to perform for the VILLAGE certain professional landscape maintenance guideline preparation services which are within CONSULTANT's planning expertise, as specifically described in the Scope of Services provided in Exhibit "A" to this Agreement (the "Specified Services"). The CONSULTANT wants to provide such Specified Services.

In consideration of the mutual covenants set forth in this Agreement, the parties agree as follows:

1. **SCOPE OF SERVICES**

A. The CONSULTANT agrees to perform the Specified Services upon written request from the Village Manager.

B. CONSULTANT shall expend all necessary efforts to competently and professionally complete all tasks in accordance with a schedule to be approved by the Village Manager.

C. CONSULTANT shall perform additional services beyond the Specified Services, but within its expertise, if requested by the Village Manager, at compensation which is first mutually agreed to in writing.

2. **FEES FOR SERVICES**

A. As full compensation for satisfactory performance of the Specified Services, the

CONSULTANT agrees to charge and shall be paid by the Village in accordance with the fee schedule set forth in Exhibit "B," for a total fee not to exceed Forty Two Thousand Five Hundred (\$42,500.00) Dollars. Fees shall be paid in arrears each month, pursuant to monthly invoice, based upon the percentage of work completed for each task invoiced. Invoices shall be promptly processed for payment pursuant to the Florida Prompt Payment Act.

B. VILLAGE shall reimburse CONSULTANT for its direct and reasonable expenses for document production and reproduction, postage, long distance telephone charges, photographic services, and other cost items which are first approved by the Village Manager, all in a total amount not to exceed \$3,000.00.

3. **TERM**

The duration of the term of this Agreement shall commence upon execution hereof and shall expire upon completion of the performance of the Specified Services, unless extended by the Village Manager or earlier terminated pursuant to paragraph 8.

4. **RECORDS**

All original sketches, tracings, drawings, computations, details, guidelines, reports, calculations, work papers and other documents and plans that result from the CONSULTANT providing Specified Services or any additional services hereunder shall be the property of the VILLAGE. Upon termination of this Agreement or upon request of the VILLAGE during the term of this Agreement, any and all such documents shall be delivered to the VILLAGE by the CONSULTANT. All work products shall be provided to VILLAGE in paper and digital.

5. **INSURANCE**

A. The CONSULTANT shall at all times carry comprehensive general liability and contractual liability insurance, workers' compensation insurance (if applicable), and automotive

liability insurance, with minimum policy limits for each coverage in the amount of at least Five Hundred Thousand (\$500,000.00) Dollars per occurrence, combined single limit, for property damage and bodily injury, including death, except that the dollar amount of workers compensation coverage (if applicable) shall be as provided by Chapter 440, Fla. Stat. The VILLAGE shall be named as an additional insured on all of the above insurance policies, to the extent permitted by law. Each insurance policy shall state that it is not subject to cancellation or reduction in coverage without written notice to the VILLAGE 30 days prior to the effective date of cancellation or reduction of coverage.

B. CONSULTANT shall indemnify and hold harmless the VILLAGE, its officers and employees, from liabilities, damages, losses and costs, including, but not limited to, reasonable attorneys' fees, to the extent caused by the negligence, recklessness or intentional wrongful conduct of the CONSULTANT and persons employed or utilized by the CONSULTANT in the performance of the Agreement, except that neither the CONSULTANT nor persons employed or utilized by the CONSULTANT will be liable under this paragraph for liabilities, damages, losses, or costs resulting from negligent acts, errors, or omissions by the VILLAGE or any of their officers, agents, or employees during the performance of this Agreement.

6. **ASSIGNMENT**

This Agreement shall not be assignable by the CONSULTANT. CONSULTANT is authorized to utilize its subconsultants, as identified in Exhibit "B".

7. **PROHIBITION AGAINST CONTINGENT FEES**

The CONSULTANT warrants that it has not employed or retained any company or person, other than a bona fide employee working solely for the CONSULTANT, to solicit or secure this

Agreement, and that it has not paid or agreed to pay any person(s), company, corporation, individual or firm, other than a bona fide employee working solely for the CONSULTANT any fee, commission, percentage, gift, or any other consideration, contingent upon or resulting from the award or making of this Agreement.

8. **TERMINATION**

This Agreement may be terminated by the VILLAGE upon thirty (30) days advance written notice with or without cause and by the CONSULTANT upon sixty (60) days advance written notice with or without cause. If this Agreement is terminated, the CONSULTANT shall be paid in accordance with the provisions of paragraph 2 for all acceptable work performed up to the date of termination.

9. **NONEXCLUSIVE AGREEMENT**

The services to be provided by the CONSULTANT pursuant to this Agreement shall be nonexclusive and nothing herein shall preclude the VILLAGE from engaging other firms to perform the same or similar services for the benefit of the VILLAGE within the VILLAGE's sole and absolute discretion.

10. **ENTIRE AGREEMENT**

The parties hereby agree that this is the entire agreement between the parties. This Agreement cannot be amended or modified without the express written consent of the parties. The Village Manager shall act for VILLAGE hereunder.

11. **WARRANTIES OF CONSULTANT**

The CONSULTANT hereby warrants and represents that at all times during the term of this Agreement it shall maintain in good standing all required licenses, certifications and permits required under Federal, State and local laws necessary to perform the Specified Services for Village

as an independent contractor of the Village.

12. **NOTICES**

All notices and communications to the VILLAGE or CONSULTANT shall be in writing and shall be deemed to have been properly given if transmitted by registered or certified mail or hand delivery. All notices and communications shall be effective upon receipt. Notices shall be addressed as follows:

VILLAGE: Jacqueline R. Menendez
Village Manager
Village of Key Biscayne
88 West McIntyre Street
Key Biscayne, FL 33149

With a copy to: Village Attorney
c/o Weiss Serota Helfman Pastoriza Cole & Boniske,
P.A.
2665 South Bayshore Drive, Suite 420
Miami, Florida 33133

CONSULTANT: Wallace Roberts & Todd, LLC.
191 Giralda Avenue, Penthouse
Coral Gables, Florida 33134

13. **GOVERNING LAW; LITIGATION**

This Agreement shall be construed in accordance with the laws of the State of Florida. Venue for any litigation hereunder shall be in Miami-Dade County, Florida. The parties voluntarily waive the right to any trial by jury in any litigation hereunder.

IN WITNESS WHEREOF, the parties hereto have accepted, made and executed this Agreement upon the terms and conditions above stated on the day and year first above written.

CONSULTANT:

WALLACE ROBERTS & TODD, LLC.
191 Giralda Avenue, Penthouse
Coral Gables, FL 33134

By: _____

Title: _____

VILLAGE:

VILLAGE OF KEY BISCAYNE
88 West McIntyre Street
Key Biscayne, FL 33149

By: _____

Jacqueline R. Menendez
Village Manager

Attest: _____

Village Clerk

Approved as to Form and Legal Sufficiency:

Village Attorney

Approved pursuant to Council Resolution No. _____

EXHIBIT "A"

SCOPE OF SERVICES

I. In General

A. CONSULTANT shall develop and prepare a proposed comprehensive Landscape Maintenance Guideline (the "Guidelines") for use by the VILLAGE in maintaining VILLAGE landscaping, including:

- All street tree plantings located within VILLAGE swales;
- All street medians;
- Crandon Boulevard – from the VILLAGE entrance to Bill Baggs State Park;
- The VILLAGE Green;
- The VILLAGE Municipal Civic Center Complex (including Village Hall, Police Station, Fire Station and Community Center);
- All VILLAGE traffic circles;
- VILLAGE Beach Park and VILLAGE Lake Park.

B. The Guidelines shall be written in a clear and detailed manner for convenient use by VILLAGE's contractors in performing landscaping maintenance services for the VILLAGE and for VILLAGE's monitoring of the performance of such services.

C. The Guidelines shall establish a first class level for landscape maintenance, including scheduling and maintenance specifications for all plantings, including trees, turf, shrubs – ground covers and for irrigation. The Guidelines shall include procedures and directions for trimming, edging, mowing, pruning, irrigation, application of fertilizer, application of insecticides and herbicides, and other pertinent functions.

D. The Guidelines shall be subject to the review of the Village Manager and the approval of the Village Council.

II. Tasks

Task I: Identify Project Parameters

A. Kick-Off Meeting to Identify Project Parameters

Representatives from:

Village of Key Biscayne

Wallace Roberts & Todd, LLC Project Director

Landscape Consultant – Lisa Hammer

Irrigation Consultant – Irrigation Design Services (a Sweeney & Associates, Inc. company)

Tasks II-IV will require the use of data and information provided by the Village of Key Biscayne, and shall be completed by CONSULTANT within ninety (90) days from the date of execution of this Agreement.

Task II: Data Gathering

A. The Village of Key Biscayne will provide landscape plans and data (all planting and irrigation) in digital file format of existing and proposed conditions for the following:

- Crandon Boulevard – Village entrance to Bill Baggs State Park
- All Village-street swale plantings
- The Village Green
- The Village Civic Center
- All Village traffic circles
- Any other Village areas to be included in the Landscape Maintenance Guidelines (the "LMG")

B. Data Review and Field Reconnaissance

C. Field reconnaissance

Task III: Development of LMG Scope of Work

A. Identification and Documentation of areas to be included in the LMG

B. Landscape Maintenance Schedule and Specification Document

- Schedule identifies landscape typologies and the level/occurrence of maintenance tasks by typology
 - Mowing, Edging & Trimming, Shrub Pruning, Mulching, Weeding, Tree Pruning, Fertilization, Pest Scouting and Treatment, Irrigation system Checks & Repairs, Trash Pick-up & Hardscape cleaning, Invasive/Exotic Removal
- Specifications describe in detail the identified maintenance tasks.
- Preparation of a methods to monitor the maintenance of landscaping

C. Client (Village) Review

D. Incorporation of comments and recommendations

E. Attendance at Village Council meetings: 4

Task IV: Landscape Maintenance Guidelines Document

A. Submittal of Draft LMG Document

B. Client (Village) Review and Comments

C. Revisions to Draft Document

D. Submittal of Final LMG Document

Task V: Request for Proposals

A. Preparation of a Request for Proposals

B. Evaluation and Recommendation of landscape maintenance company

The Village of Key Biscayne will prepare all forms associated with the above described Request for Proposals Document.

EXHIBIT "B"

FEES

As provided in Section 2 above, total fees shall not exceed Forty Two Thousand Five Hundred (\$42,500.00) Dollars. The basis upon which these fees were calculated is as follows:

Wallace Roberts & Todd, LLC and its team of specialists, will provide the above Professional Services for a total Lump Sum Fee of \$42,500.00. The following is a breakdown of the proposed fee by Task and CONSULTANT specialist.

Fee Breakdown by Task:

Task I: Identify Project Parameters	\$ 1,500.00
Task II: Data Gathering	\$10,500.00
Task III: Development of LMG Scope of Work	\$13,000.00
Task IV: Landscape Maintenance Guidelines Document	\$14,500.00
Task V. Request for Proposal	\$ 3,000.00

Fee Breakdown by Firm:

Wallace Roberts & Todd, LLC	\$17,500.00
Horticultural subconsultant – Lisa Hammer	\$15,000.00
Irrigation Design Services	\$10,000.00



Planning & Design

August 19, 2005

Mr. Jud Kurlancheek, AICP
Director of Building, Zoning and Planning
88 West McIntrye Street
Village of Key Biscayne, FL 33149

Philadelphia
Coral Gables
Dallas
Lake Placid
San Diego
San Francisco

Re: *Proposal to provide Professional Landscape Architectural Services*

Dear Mr. Kurlancheek:

In accordance with your request, Wallace Roberts & Todd, LLC, (WRT) is pleased to present the following proposal to provide professional landscape architectural, horticultural, and irrigation services in the preparation of the Village of Key Biscayne's Landscape Maintenance Guidelines for Public Spaces.

The WRT team will include Gerald Marston as Principal-in-charge, John E. Fernsler as Associate Principal and Michael Del Giudice as Project Manager. Joining us will be Lisa Hammer, a Horticulturalist/Arborist who prepared similar guidelines for the Ritz Carlton Key Biscayne, and George Smith of Irrigation Design Services. Resumes of key team members are enclosed for your review.

Scope of Services (see attachment A)

As the Village of Key Biscayne has a unique and distinct sense of place, the degree of landscape management required to keep the Village's public spaces in world-class condition is a significant challenge. Therefore, the purpose of this effort is to meet that challenge by providing the Village with comprehensive Landscape Management Guidelines (LMG) for all its public places. The LMG will establish a Class A / Ritz level maintenance schedule and specification program for all planting – trees, turf, shrubs / groundcovers – and irrigation. The public spaces are understood to include the following:

- All street-tree plantings within Village swales
- All street medians
- Crandon Boulevard – from the Village entrance to Bill Boggs State Park
- The Village Green
- The Municipal Complex

Wallace Roberts & Todd, LLC
191 Giralda Avenue, Penthouse
Coral Gables, FL 33134

305.448.0788
www.wrtdesign.com
fax 305.443.8431



August 19, 2005
Page 2

- All Traffic Circles
- Beach and Lake Parks

Proposed Fees (see attachment B)

The WRT team will perform the scope of services described in Attachment A for a total fee of \$42,500, plus direct reimbursable expenses estimated to not exceed \$3,000.

If this proposal meets with your approval, we will proceed with work upon receipt of a service agreement. If modifications of the proposal would better suit your needs, we would be happy to discuss them and make any required adjustments.

Sincerely,

A handwritten signature in cursive script that reads "M. Del Giudice".

Michael Del Giudice, ASLA
Senior Associate,
Wallace Roberts & Todd, LLC



Attachment A: Scope of Services

Tasks

Task I: Identify Project Parameters

A. Kick-Off Meeting to Identify Project Parameters

Representatives from:

Village of Key Biscayne

Wallace Roberts & Todd, LLC Project Director

Landscape Consultant – Lisa Hammer

Irrigation Consultant – Irrigation Design Services (a Sweeney & Associates, Inc. company)

Tasks II-IV will require the use of data and information provided by the Village of Key Biscayne.

Task II: Data Gathering

A. The Village of Key Biscayne will provide landscape plans and data (all planting and irrigation) in digital file format of existing and proposed conditions for the following:

- Crandon Boulevard – Village entrance to Bill Boggs State Park
- All village-street swale plantings
- The Village Green
- The Village Civic Center
- All Village traffic circles
- Any other Village areas to be included in the LMG

B. Data Review and Field Reconnaissance

C. Field reconnaissance

Task III: Development of LMG Scope of Work

A. Identification and Documentation of areas to be included in the LMG

B. Landscape Maintenance Schedule and Specification Document

- Schedule identifies landscape typologies and the level/occurrence of maintenance tasks by typology
 - Mowing, Edging & Trimming, Shrub Pruning, Mulching, Weeding, Tree Pruning, Fertilization, Pest Scouting and Treatment, Irrigation system Checks & Repairs, Trash Pick-up & Hardscape cleaning, Invasive/Exotic Removal
- Specifications describe in detail the identified maintenance tasks.
- Preparation of a methods to monitor the maintenance of landscaping

C. Client Review

D. Incorporation of comments and recommendations

E. Attendance at Village Council meetings: 4



Village of Key Biscayne
Maintenance Guidelines for Public Spaces

Task IV: Landscape Maintenance Guidelines Document

- A. Submittal of Draft LMG Document
- B. Client Review and Comments
- C. Revisions to Draft Document
- D. Submittal of Final LMG Document

Task V: Request for Proposals

- A. Preparation of a Request for Proposals
- B. Evaluation and Recommendation of landscape maintenance company

The Village of Key Biscayne will prepare all forms associated with the Request for Proposals Document.



**Attachment B:
Fee Schedule**

Wallace Roberts & Todd, LLC and our team of specialists, will provide the above Professional Services for a Lump Sum Fee of \$39,500.00. The following is a breakdown of the proposed fee by Task and consultant.

Fee Breakdown by Task:

Task I: Identify Project Parameters	\$1,500.00
Task II: Data Gathering	\$10,500.00
Task III: Development of LMG Scope of Work	\$13,000.00
Task IV: Landscape Master Guidelines Document	\$14,500.00
Task V. Request for Proposal	\$3,000.00

Fee Breakdown by Firm:

Wallace Roberts & Todd, LLC	\$17,500.00
Horticultural Consultant – Lisa Hammer	\$15,000.00
Irrigation Design Services	\$10,000.00

Tasks I through IV will be completed within 90 days from the date the contract executed.

Gerald C. Marston, ASLA

Principal

Mr. Marston is a landscape architect with over 30 years of experience as a practicing professional and educator. He currently leads the landscape architectural practice in the WRT Coral Gables office. Mr. Marston's professional background includes senior design and project management with three of the most prestigious planning and design firms in the United States. He has extensive and wide ranging experience in land planning and design for resort and waterfront properties, park and recreation master planning and design, community redevelopment and urban landscape design.

Contemporary Arts, North Miami, FL

EDUCATION

Master of Landscape Architecture
Harvard University Graduate School of Design, 1972

Bachelor of Science in Landscape Architecture
Michigan State University (with honors), 1969

PROFESSIONAL EXPERIENCE

Principal, Wallace Roberts & Todd, LLC
Coral Gables, FL 2001-present

Partner, Wallace Roberts & Todd
Coral Gables, FL 1996-2000

Senior Associate, Wallace Roberts & Todd
Vice President, WRT, Inc.
Coral Gables, FL 1991-1996

Senior Associate/ Sasaki Associates, Inc.
Coral Gables, FL 1985-1991

Vice President/ Edward D. Stone, Jr. and Associates
Ft. Lauderdale, FL 1981-1985

Principal / Walquist/Marston
Columbus, OH 1976-1881

Landscape Architect / Labrenz, Reimer, Inc.
Columbus, OH 1974-1975

Project Manager
Sasaki, Dawson, DeMay Associates, Inc.
Watertown, MA 1972- 1973

Landscape Architect
Richard A. Gardiner & Associates, Inc.
Cambridge, MA 1969-1972

TEACHING EXPERIENCE

Associate Professor of Landscape Architecture
The Ohio State University 1973-1981

Lecturer / Design Critic
Harvard Graduate School of Design
The Catholic University
University of Kentucky
Texas A & M
Kansas State University
University of Florida
University of Miami
Florida International University

PROFESSIONAL REGISTRATIONS

Registered Landscape Architect in the States of Florida, Ohio and Missouri

PROFESSIONAL MEMBERSHIPS

American Society of Landscape Architects

PUBLICATIONS / LECTURES

Creating Neighborhood Character, ASLA National Convention,
1996

Art & Architecture - Miami Symposium, 1995, Center of

Gerald C. Marston, ASLA

"Thirty-five Years of Design on the Land," a Sasaki Associates
Retrospective, University of Florida; 1990

HONORS AND AWARDS

The American Society of Landscape Architects
Merit Award, Overtown Pedestrian Mall, 1999

National Endowment for the Arts / U.S. Department of
Transportation
Merit Award, Overtown Pedestrian Mall, 1996

Florida Chapter, The American Society of Landscape Architects
Merit Award, Overtown Pedestrian Mall, 1996

International Downtown Association
Merit Award, Overtown Pedestrian Mall, 1995

Ohio Chapter, American Society of Landscape Architects
Merit Award, Land Reborn, 1975

The American Society of Landscape Architects
Certificate of Merit
Excellence in the Study of Landscape Architecture
Michigan State University, 1969

REPRESENTATIVE PARK PLANNING AND DESIGN PROJECTS

Virginia Key Beach Park, Miami, FL

Wallace Roberts & Todd's was selected by the Virginia Key Beach Park Trust to develop a General Plan for this urban beach park. A National Register of Historic Places site, the park is located on a barrier island that encompasses the last undeveloped ocean front property within the city limits. Virginia Key Beach Park was Dade County's only beach open to African Americans during the era of segregation and its establishment in response to a direct action protest by African American activists in 1945 was a significant and early victory in the Civil Rights movement. The Virginia Key Beach Park Trust formed to guide the city of Miami's plans for the development of this historically and ecologically significant site.

Haulover Park Master Plan, Miami-Dade County, FL

WRT was retained by Miami-Dade County to prepare a Master Plan for Haulover Park, one of the County's most important regional parks. Haulover has served for decades as a prime beach attraction for residents and visitors, as well as offering a variety of recreation including golf, tennis, boating and fishing. In recent years the park has suffered from deterioration of some facilities and a decline in popularity.

In developing the Master Plan, WRT examined a number of options for the golf program (including both traditional course and teaching facilities), beach revitalization and other park elements. WRT worked closely with County staff, municipal representatives and other stakeholders, as well as special consultants the National Golf Foundation, in developing and evaluating concepts. The Master Plan concept includes a re-located and expanded, special waterfront par 3 golf course; an enhanced and diversified beach experience; improved parking and circulation; an extensive waterfront promenade; an expanded marina and concession area; a conservation education facility; and a "great lawn" civic space for community events.

Coral Gables War Memorial Youth Center, Coral Gables, FL.

Partner in Charge / Lead Designer: WRT prepared a Master Plan for the renovation and expansion of the Coral Gables War Memorial Youth Center. Working with a recreational needs program prepared by the Metropolitan Dade County Parks and Recreation Department, WRT combined its architectural and landscape architectural expertise to provide an integrated solution for the Youth Center's future needs. New expanded outdoor facilities included three baseball fields, two soccer/football fields, combined basketball /rollerhockey court and tot-lot. The architectural solution included a new gym, auditorium, locker rooms, and multipurpose craft and meeting rooms. The Master Plan also recognized the "Civic" aspects of the expanded facility and relocated the main entrance on University Drive. During the two part design and construction phases of the project, WRT served as landscape architects preparing detailed design documents and providing construction administration services for over \$600,000. in site improvements including athletic facilities, landscaping and irrigation.

Fairchild Tropical Garden, Miami, FL

Partner In Charge: WRT prepared a Master Plan for Fairchild Tropical Garden, the Miami region's 83-acre public botanical garden and a world-renowned collection of palms, cycads, and other tropical plant families. The Master Plan, completed in 1995, was the Garden's first comprehensive evaluation of its physical plan and facility growth needs in over 30 years. The Master Plan identified key strategies for meeting the growing demands of the Garden's programs and operations through cooperative projects with adjacent Dade County park facilities, as well as strategic upgrades and expansions of existing Garden facilities. The Master Plan also carefully preserved and restored significant features and concepts of the original 1938 Garden plans, prepared by the pioneering Florida landscape architect and Olmsted associate William Lyman Phillips. In conjunction with the Master Plan, WRT also designed specific "early action" improvements to help re-invigorate the Garden in the aftermath of Hurricane Andrew. These included a renovation of the Garden's front parking area and entrance, a restoration of the "Phillips Gate" and original entrance Allee, and a restoration plan for the Flowering Tree Section.

Volunteer Park & Equestrian Center, Plantation, FL

Principal in Charge: WRT has been retained by the City of Plantation to prepare design and construction documents for the \$6 million development and expansion of Volunteer Park. This unique project will combine a multi-use, open-space community park - adjacent to an existing Community Center -- with extensive restored wetlands, trails and boardwalks and a nature-themed playground. In addition, the City's popular but aging Horse Arena, also adjacent to the park, will be completely renovated and expanded as part of the project, providing a venue for Class "A" Horse Shows as well as a wide variety of special equestrian uses.

Boynton Intracoastal Waterway Park, Boynton Beach, Florida. Project Director / Designer: WRT prepared a Master Plan for the last undeveloped parcel of land on the Intracoastal Waterway in Boynton Beach. The primary objectives of the plan were scenic enhancement, environmental restoration of the site, and educational interpretation. Master Plan facilities include a two-story picnic facility, an educational and performance pavilion, a Veterans Memorial garden and shelter, picnic shelters and restrooms and associated parking.

Miami Beach Historic Convention Village - Civic Improvements, Miami Beach, Florida

Project Director/Designer The Miami Beach Historic Convention Village Civic Improvements focused on the development of schematic plans and design guidelines and schematic designs for a new City Hall plaza, botanical garden and riverwalk.

Flagler Corridor Streetscape, Miami, Florida

Principal in Charge WRT was selected to prepare streetscape redevelopment plans for Miami's Main Street, the Flagler Corridor, from the Miami River to Biscayne Bay. WRT prepared detailed schematic and design development documents for Downtown Development Authority. WRT is currently under contract to develop construction documents for the Flagler Corridor.

Ocean City Boardwalk Renovation, Ocean City, MD

Mr. Marston was Principal-in-Charge for the \$2 million restoration of the oceanfront boardwalk and associated facilities. WRT prepared recommendations for the design and detailing that would convert an existing, deteriorated concrete promenade to its historic wooden form. In addition WRT prepared recommendations and designs for Entry Gateway Features, beachfront graphics logo and icons, specially themed pavement areas, and thematic site furnishings.

Georgia International Maritime and Trade Center, Savannah, GA

WRT was retained as master planners, landscape architects and site planning consultants to design a 500,000 square foot conference and exhibition facility on Savannah's Hutchinson Island. As principal-in-charge, Mr. Marston was involved in master planning and urban design on the facility as well as detailed design and construction documentation for the Trade Center plazas and 'Esplanade' riverfront spaces which incorporated the ability to expand exhibition, dining, and performance functions.

Estero Island Streetscape, Fort Myers, Florida

Project Director/Designer Following the adoption of a WRT prepared redevelopment plan for this nine mile long barrier island on Florida's west coast, WRT is prepared detailed design and construction documents for New Island entry signage, over one mile of urban roadway streetscape improvements and the creation of a pedestrian mall as the focus of the traditional resort entertainment district.

Beach Street U.S.A., Virginia Beach, VA

Mr. Marston was Principal-in-Charge in collaboration with local consultants to develop unique families of elements that would provide the district with a distinct identity. Families of elements including gateway features, performance venues, lighting, and paving with a distinctively lively feel and recalling indigenous community features.

Overtown Pedestrian Mall, Miami Florida

Project Director/Designer: The Concept of the Overtown Pedestrian Mall was formulated in the SE Overtown/Park West Redevelopment Plan by Wallace Roberts & Todd. The Spine of the Redevelopment Concept is the establishment of a broad pedestrian mall from I-95 to Biscayne Bay. The Overtown Pedestrian Mall eliminates vehicular traffic on NW 9th Street and establishes a broad pedestrian mall in its place. Constructed of rustic terrazzo in vibrant oranges, yellows, blues and greens, the plaza is punctuated with clusters of seating drums and commemorative bronze medallions documenting historic events within the Overtown Community.

Dayton Plaza of Flight, Dayton, Ohio,**REPRESENTATIVE CIVIC PROJECTS**

Principal in Charge: WRT has been retained as landscape architects and site planning consultants to design an urban plaza in downtown Dayton that commemorates and celebrates the City as the birthplace of flight and home of the Wright Brothers.

Orlando Centroplex, Orlando Florida

Project Director/Designer while with Sasaki Associates Inc., Coral Gables, Florida. The Centroplex site identified by WRT in Orlando's Downtown Plan as an area that could generate opportunities for additional convention related activities. The fifty-acre project consists of the existing Bob Carr Performing Arts Center, Existing Expo Center, 15,000 seat Civic Arena and a four hundred-room hotel. The final site Master Plan created a unique entertainment district in downtown Orlando with signature paving, courtyards and plazas with contextual fountains, and lush landscaping forming this pedestrian oasis within the downtown core.

Sunrise Civic Center, Sunrise, Florida. Project Director / Designer: WRT provided Master Planning services for the City of Sunrise Civic Complex which included integration with the existing City Hall and Fire Station and an adjacent office building to be converted to police and fire rescue use. The new 37-acre Civic Complex includes a Broward County Library, a Senior Citizens Center and the 72,000 SF Civic Center. The plan required siting of the new facilities, Design of vehicular and pedestrian circulation systems and the development of a lake for storm water management.

WRT also completed landscape design for wetland restoration within the existing lake, a new main entrance from Oakland Park Boulevard and landscape and irrigation design and construction administration services for the Senior Center and Civic Center Facilities

REPRESENTATIVE INSTITUTIONAL PROJECTS

Florida Gulf Coast University, Fort Myers, FL

Mr. Marston served as project director for the landscape architectural aspects of the firm's Master Plan for the Florida Gulf Coast University. The concept builds on the qualities of the existing vegetation through a tiered approach. The FGCU site contains organized to minimize impacts and retain, preserve and restore existing areas of high quality wetland vegetation.

University of Central Florida Landscape Master Plan, Orlando, FL

Mr. Marston served as project director for the preparation of the Landscape Design Guidelines for the University of Central Florida. The element required a detailed inventory and analysis of the existing character and quality of landscape treatments for all campus spaces. Based on the evaluation WRT prepared a conceptual framework for enhancement of the existing campus and all future developments identified in the Master Plan.

University of Miami Landscape Master Plan, Coral Gables, FL

Mr. Marston served as project director for the preparation of the Landscape Master Plan for the University of Miami after the destruction caused by Hurricane Andrew in August 1992. The plan included detailed inventory and analysis of the existing landscape development and focused on the creation of a framework for improvement of existing landscaped spaces and creation of themed elements related to future expansion. The framework identified three district zones: Academic Core, New Campus/Main Entrance and Athletics/Student Housing Zones and established clear design concepts for each. A major feature of the plan was the identification of the Academic Core "Great Spaces" and the development of alternative concepts creating memorable institutional spaces.

University of Georgia Visual and Performing Arts Center, Athens, GA

Gerald C. Marston, ASLA

Mr. Marston recently completed an assignment as a planner / landscape architect with a design team which won a national design competition for the new Visual and Performing Arts Center at the University of Georgia in Athens. The plan envisioned a group of buildings clustered around a courtyard, much like the historic quadrangle that forms the center of the original campus. WRT provided master planning, urban design and landscape architectural services through construction administration.

REPRESENTATIVE TOURISM PROJECTS

Ritz Carlton Grenada, Grenada, West Indies

Principal In Charge: WRT is currently preparing landscape plans for a hotel and golf resort in Grenada that includes a championship golf course, two marinas, residential villas and townhouses, and a five-star hotel. The project is being developed according to the latest technologies and principles of sustainable design, and is intended to complement and protect the adjacent habitat sanctuary of the endangered Grenada Dove

Lake Nona Mixed Use Resort Community, Orlando, Florida

Project Director/Designer while with E.D.S.A., Fort Lauderdale, Florida

Lake Nona is a 6700-acre mixed-use development with an emphasis on golf resort communities. The project was a development pioneer in the southeast quadrant of Orlando and is immediately adjacent to the expanding Orlando International Airport. The site abounds with natural features including more than 900 acres of pristine freshwater lakes. The first phase, Lake Nona Golf Club and Estates, includes an 18-hole Tom Fazio championship golf course and more than 100 luxury homesites. The club is recognized as one of Florida's best and is quickly establishing a quality image for future development.

Antigua Resort Community, Antigua, British West Indies

Project Director/Planner while with Sasaki Associates, Inc., Coral Gables, Florida

The Antigua Resort Community was conceived as an adaptive re-use of an existing petroleum off loading and storage facility of approximately 80 acres. In order to compete with other waterfront oriented resorts on the island and in the Caribbean region, the concept included obtaining an additional 2000 acres of coastal property to serve as community beach front and marina amenities and a 200 acre expansion of upland facilities to include the development of a championship golf course and related housing. The core of the community which is to be developed on the existing site include a tourist resort commercial town center, a cricket academy and a meeting facility lodge associated with the golf club house.

Disney Contemporary Resort Meeting Facility, Orlando, Florida

Director/Project Landscape Architect while with Sasaki Associates, Inc., Coral Gables,

Florida Master Planning and urban landscape architectural services were performed for the addition of a 120,000 S.F. meeting facility adjacent to the existing Contemporary Hotel at Walt Disney World. The entry plaza unites the porte-cocheres of both the hotel and meeting facility and provides a lively graphic textured urban piazza for mixed vehicular and pedestrian use. The central park is defined by allees of historic "dixie cup" oaks and features the cultural icon; a floral Mickey Mouse watch



Michael Del Giudice, ASLA
Associate / Urban and Landscape Design

Michael Del Giudice is a planner and urban and landscape designer with extensive and diverse experience in the planning and design of institutional campuses, public spaces, and communities. Mr. Del Giudice has directed and/or assisted in the preparation of urban and master plans for a diversity of institutions and communities, ranging from the streetscape redevelopment plan for the Miami Beach (FL) Historic Convention Center Village; to the planning, design and implementation of the landscape plan for the Georgia International Maritime and Trade Center on the historic City of Savannah waterfront; to the campus master plan, and design guidelines for the Georgia Institute of Technology in midtown Atlanta; to the Landscape Master plan for Ft. Lauderdale/Hollywood International Airport. Currently, he is preparing the 2005 University of Arkansas-Little Rock Campus Master Plan Update, the University of North Carolina-Wilmington Campus Master Plan, and the Landscape Master Plan for Miami International Airport.

EDUCATION

Master of Landscape Architecture (Honors), *School of Environmental Design, University of Georgia, 1992*
Bachelor of Fine Arts (Honors), *San Francisco Art Institute, 1978*
Graduate Studies, *San Francisco Art Institute, 1979-1981*

PROFESSIONAL EXPERIENCE

Associate, Urban and Landscape Designer
Wallace Roberts & Todd, LLC 6/1994 to Present
191 Giralda Avenue, Penthouse
Coral Gables, FL 1/2001 to Present

Urban and Landscape Designer

Wallace Roberts & Todd, LLC 6/1994 to Present
191 Giralda Avenue, Penthouse
Coral Gables, FL 6/1994 to 1/2001

Adjunct Professor

Florida International University Fall Semester 1998 – Present
School of Architecture
Miami, FL
Graduate MLA Studies Representative courses:
Urban Design Studio, Community Design Studio, Regional Studio, Professional Practice, Construction Documentation, South Florida Landscapes, Thesis Advisement

Planner II

Maryland-National Capital Parks & Planning Commission
1/1994-6/1994
Urban Design Planning Division
Prince George's County, MD

AFFILIATIONS

American Society of Landscape Architects (since 1989)
Society of College and University Planners (since 2003)

REPRESENTATIVE PROJECTS

University of Missouri-Kansas City, Kansas City, MO

WRT was selected to prepare the University of Missouri-Kansas City (UMKC) campus master plan. The master plan for the UMKC represents an important shift towards comprehensive, long-term planning, and includes both of the University's campuses: a core liberal art campus located within the the City's historic Brush Creek Corridor, and a medical campus located within the City's downtown hospital hill. Faced with facility expansion needs on campuses surrounded by highly developed urban areas, the master plan examined opportunities to increase density within campus boundaries, while developing a significant open space program. In addition, the master plan process established University and community partnerships to work towards meeting needs that cannot be accommodated within UMKC boundaries.

University of Miami Medical School/Jackson Memorial Hospital, Miami, Florida

Mr. Del Giudice participated as planner and landscape designer for the master plan for the University of Miami Medical School. The master plan identifies open space and circulation needs

and future building locations to accommodate anticipated growth over the next five years.

University of Miami-Stanford Drive Precinct Plan, Coral Gables, Florida

WRT was selected as campus planners to prepare a precinct plan for the University of Miami's campus gateway. The Precinct Plan identifies circulation needs, future building locations, and the open space/ landscape needed to develop the University's goal of a Campus in a Tropical Garden. As project director, Mr. Del Giudice has been involved in all aspects of the precinct plan development.

Halissee Hall, University of Miami Medical School, Miami, Florida

Mr. Del Giudice participated as landscape designer for the relocation, site plan, and landscape design for the University of Miami Medical School's historic Halissee Hall. The site design took inspiration from the Hall's historic setting while accommodating current circulation needs of the University.

Georgia Institute of Technology, Atlanta GA

WRT was selected to lead the preparation of the master plan for this major research university near Downtown Atlanta. Georgia Tech is forecast to grow to a population of 16,900 students by 2010. To serve this population a total of 1,751,126 s.f. of new or rehabilitated space is planned at a cost of \$350,000,000. The master plan calls for examination of all existing departments with a forecast for growth and change into the next century. After the Olympics, which were held on campus, a series of new facilities and many new residence halls were added. The adjacent communities are very much part of the master planning process, since the University wants to encourage faculty and staff to move nearer to the campus and resolve a major parking problem. Mr. Del Giudice participated as planner and landscape designer for the master plan.

Georgia Institute of Technology-Sector planning Studies, Gulfport, MS

As part of continuing planning services, WRT was retained to prepare Sector Plans for three sections of the Georgia Institute of Technology; the *5th Street Corridor Study*, *North Avenue Research Area*, and the *Pan-Hellenic Residential Area*, *Yellow Jacket Alley Sector*, *Central Academic Core Area*, and *North Central Academic Core Area*. As project director, Mr. Del Giudice is involved in all aspects of the Sector plan development.

The Northwest Quadrant Landscape Master Plan, Georgia Institute of Technology, Atlanta, GA

WRT was selected as landscape architects and site planning consultants to develop a Landscape Master Plan for the Institute's Northwest Quadrant. Mr. Del Giudice is project director and involved in all aspects of the project.

Florida Gulf Coast University, Ft. Myers, FL

Mr. Del Giudice participated as planner and landscape designer for the master plan for Florida Gulf Coast University, one of Florida's new universities. The master plan identifies the special landscape requirements of a campus located within

environmentally sensitive habitats, as well as the needs and future building locations that will accommodate anticipated enrollment growth over the next five years.

Agnes Scott College, Decatur, GA

Mr. Del Giudice participated as planner and landscape designer for the master plan for Agnes Scott College, one of the country's premier women's colleges. The master plan identifies needs and future building locations to accommodate anticipated enrollment growth over the next five years.

Memorial Medical Center, Savannah, GA

WRT was retained to create a master plan for Savannah's Memorial Medical Center which will become the Hospital's framework for development in the next century. As project director, Mr. Del Giudice is involved in all aspects of the master plan development for the Medical Center.

Monongalia Health Systems, Inc., Morgantown, WV

WRT was retained to create a master plan for Monongalia Health System, Inc. which will become the Hospital's framework for development for the next ten years. The campus facilities included a core hospital, professional practice offices, out-patient care, day-care, assisted living, and extensive park-like open space. As project director, Mr. Del Giudice is involved in all aspects of the master plan development for the Health System.

HaleGlenn Medical Systems, Hale, MA

WRT was retained to create a master plan for the City of Hale's medical campus, which included the city's hospital, professional practice facilities, and an assisted living center. As project director, Mr. Del Giudice is involved in all aspects of the master plan development for the Medical Center.

Gulfport Downtown Waterfront Development, Gulfport, MS

WRT has been retained as urban waterfront planners to prepare a master plan for the Downtown Waterfront, as well as a parallel assignment to lead in the development of a vision for the entire Downtown Gulfport area. The plan calls for a major reconstruction of the City's small craft harbor/marina as well as the renovation of Jones Park, the City's major waterfront park. As project director, Mr. Del Giudice is involved in all aspects of the master plan development and the downtown vision plan.

Georgia International Maritime and Trade Center, Savannah, GA

WRT was retained as landscape architects and site planning consultants to design a 500,000 square foot conference and exhibition facility on Savannah's Hutchinson Island. As project director, Mr. Del Giudice was involved in design and construction documentation for the Trade Center plazas and 'Esplanade' riverfront spaces which incorporated the ability to expand exhibition, dining, and performance functions.

Estero Island Streetscape, Fort Myers, Florida

Following the adoption of a WRT prepared redevelopment plan for this nine mile long barrier island on Florida's west coast, WRT prepared detailed design and construction documents for New Island entry signage, over one mile of urban roadway streetscape improvements and the creation of a pedestrian mall as the focus of the traditional resort entertainment district. Mr. Del Giudice was involved in the preparation of design alternatives for the core-area pedestrian mall and streetscape corridor.

Miami Beach Historic Convention Center Village-Civic Improvements, Miami Beach, FL

As part of the Miami Beach Convention Village Civic Improvements project, Mr. Del Giudice developed a schematic design for the Historic Convention Village Botanical Garden and the adjacent Riverwalk.

Miami Beach Historic Convention Center Village-Streetscape, Miami Beach, FL

As part of the Miami Beach Convention Village Civic Improvements project, Mr. Del Giudice developed schematic designs for the Historic Convention Village Streetscape.

Overtown Pedestrian Mall, Phase I and II, Miami FL

The Concept of the Overtown Pedestrian Mall was formulated in the SE Overtown/Park West Redevelopment Plan by Wallace Roberts & Todd. The Spine of the Redevelopment Concept is the establishment of a broad pedestrian mall from I-95 to Biscayne Bay.

Phase I

The Overtown Pedestrian Mall eliminates vehicular traffic on NW 9th Street and establishes a broad pedestrian mall in its place. Mr. Del Giudice was involved in design alternatives and construction documents.

Phase II

Phase II completed the NW 9th Street Spine begun in Phase I and included: the F.E.C. Corridor Connection, the Lyric Plaza, Historic FolkLife Village Streetscape, and NW 9th Street Tower Plaza. Mr. Del Giudice was Phase II project director and involved in design and construction documents.

Flagler Corridor Streetscape, Miami, Florida

WRT was selected to prepare streetscape redevelopment plans for Miami's Main Street, the Flagler Corridor, from the Miami River to Biscayne Bay. WRT prepared detailed schematic and design development documents for Downtown Development Authority. WRT is currently under contract to develop construction documents for the Flagler Corridor. Mr. Del Giudice is project director and has been involved in the preparation of design alternatives for the streetscape corridor.

Plaza of Flight, Dayton, OH

WRT has been retained as landscape architects and site planning consultants to design an urban plaza in downtown Dayton which commemorates and celebrates the City as the birthplace of flight and home of the Wright Brothers. As project director, Mr. Del Giudice is involved in conceptual and schematic design of the plaza.

John E. Fernsler, AIA

Principal

Architect, Urban Designer, Planner

An architect, urban planner, and urban designer with some 30 years of experience, John Fernsler leads WRT's nationwide comprehensive community planning "affinity group." He has extensive experience in community visioning and sustainable planning of urban, suburban and rural areas at the sector, city-wide and regional scales, including:

- ❑ **Large metropolitan centers** such as Kansas City, Miami, Orlando and Panama City, Republic of Panama:
- ❑ Plans for the protection of quality of life among high quality, **"special character" communities**, such as East Hampton, NY, Town of Palm Beach and Sanibel Island, FL, Hilton Head, SC, North Kingstown, RI, and Chapel Hill, NC
- ❑ **Growth management strategies** to prevent sprawl and retain community character in rapidly growing rural and suburban areas such as Charleston County, SC, FlowerMound, TX, Dublin, OH, and Tallahassee, FL.
- ❑ Plans for **sustainable development in environmentally sensitive areas**, such as the Florida Keys, Galveston Island, TX and Sanibel Island, FL
- ❑ **Urban design and redevelopment strategies** for downtowns, waterfronts, highway corridors and mixed use urban centers.

Mr Fernsler has a particular skills in facilitating citizen participation, including community visioning, consensus-building and conflict resolution on complex community planning challenges.

EDUCATION

Master of City Planning, *University of Pennsylvania*, 1975
 Master of Architecture, *University of Pennsylvania*, 1975
 Bachelor of Architecture, *Tulane University*, 1973

PROFESSIONAL EXPERIENCE

Partner / Principal, Wallace Roberts & Todd, 1989-present
 Senior Associate, Wallace Roberts & Todd, 1981-1989
 Office Director, Coral Gables office, 1978-2000
 Urban Designer/Planner, Wallace McHarg, Roberts & Todd,
 1975-1978
 Campus Planner, Temple University, 1974

PROFESSIONAL MEMBERSHIPS / REGISTRATIONS

Architect in Florida
 American Institute of Architects
 American Planning Association
 International Downtown Association

HONORS AND AWARDS

Founding Board Member, Habitat for Humanity of Greater Miami Inc., 1989-2002
 National Plan of the Year Award, Kansas City FOCUS, American Planning Association, 1999
 Merit Award, Florida Keys Rate of Growth Ordinance, American Planning Association, 1997
 First Prize, Jose Marti Park Design Competition, Miami 1989
 Grand Prize, University of Miami Campus Master Plan, International Competition 1986

PUBLICATIONS / LECTURES

"Smart Growth in the Coastal Zone", Third Annual National Smart Growth Conference, ULI / EPA, 1999
 "Managing Growth in the Florida Keys: Environmental and Economic Stress in the Conch Republic", National Conference on Environmental and Economic Balance: The 21st Century Outlook, U.S. Dept. of Energy, Green Building Council, 1997
 "Growth Management in the Florida Keys, Growth Management Short Course, Florida Department of Community Affairs, 1990
 "Ft. Lauderdale Beach Redevelopment", Urban Land Institute National Conference, 1989
 "Creating Downtown Civic Spaces", Florida Downtown Development Association Annual Conference, 1987
 "The Urban Design Process", American Planning Association Conference, 1986
 "Pedestrianizing Florida's Downtowns", Florida Institute of Traffic Engineers Annual Conference, June 1984

REPRESENTATIVE PROJECTS

York County Comprehensive Plan, York County, SC

Mr. Fernsler led the visioning process and preparation of a comprehensive plan for York County, SC, one the nation's fastest growing areas, located at the southern periphery of metropolitan Charlotte-Mecklenburg County, NC. The region's future growth is fueled by convenient commuting distance to Downtown Charlotte and Charlotte's major international airport. The plan currently underway is guided by a community-developed Vision Statement that seeks to accommodate sustainable economic development by restricting sprawl and protecting the county's rural heritage and historic small-town quality of life. The Plan was adopted in November 2004. WRT recently began work with York County on implementation of the adopted Plan's top priorities, including revisions to the Land Development Regulations; refinement of the Urban Services Boundary and negotiation of an interlocal agreement with the incorporated areas; preparation of an Adequate Public Facilities Ordinance; and development of a TDR program, among others.

Huntington 2020 Master Plan, Town of Huntington, NY

Mr. Fernsler is leading a multi-year effort to prepare a Vision for the Town of Huntington, NY which will then be used to guide and motivate a new Town-wide Master Plan. To date, WRT has facilitated a series of six community forums attended by some 700 citizens. Information recorded at these input sessions and from telephone surveys and the Town website identified broad areas of consensus on issues of quality of life as well as a broad array of concerns ranging from traffic congestion and housing affordability to land use compatibilities and open space protection.

Portsmouth Comprehensive Plan, Portsmouth, VA

Mr. Fernsler recently completed an effort to prepare a new Comprehensive Plan for the historic City of Portsmouth, VA. Initiated with a Vision Statement that calls for the city to emerge as a "community of choice" within the tidewater region, the plan builds on a strategy of strategic public investments to stimulate revitalization in urban neighborhoods, waterfront areas and mixed use centers. The Plan is in the process of adoption, and already has spawned a number of sector planning and urban design assignments for WRT.

League City Comprehensive Plan 2025, League City, TX

Mr. Fernsler was Principal-in-Charge for a visioning process for this suburban city located in the path of Houston's rapid metropolitan expansion. While the City is essentially a low-density bedroom community, the visioning process indicated the citizens' desire to be more self-sufficient in terms of local employment and shopping. To achieve this goal, the Comprehensive Plan 2025 identified a hierarchy of future activity centers, confronted sprawl by creating compact neighborhoods with local centers, proposed a connected road network throughout the expanded city to reduce traffic congestion, supported economic initiatives to attract quality employment, and planned the establishment of a linked network of public amenities, parks and open spaces.

Greensboro Vision and Comprehensive Plan, Greensboro, NC

Mr. Fernsler was Principal-in-Charge for the creation of the first comprehensive plan for Greensboro, NC. Faced with mounting community concern over the loss of basic industries, suburban sprawl, and the impact of major transportation projects, the process began with an extensive public participation process to create a Vision Statement to guide the subsequent planning process. The emerging plan focuses attention on several key issues, including growth management at the rural fringe, the promotion of re-investment in urban redevelopment and in-fill areas, and the enhancement of quality of life as a means of attracting desired forms of economic development.

Town of Amherst Vision and Comprehensive Plan, Amherst, NY

Mr. Fernsler led in the preparation a vision and comprehensive plan for the City of Amherst, a growing, high quality Buffalo suburb. Following an initial series of stakeholder meetings, strategic issues have focused on the enhancement of obsolescent commercial corridors, protecting open space and greenways, the promotion of high-tech clean industries, improved coordination with SUNY-Buffalo and the promotion of the Town's quality image and leadership position within the region.

Palm Beach Strategic Plan, Town of Palm Beach, FL

Mr. Fernsler is leading the efforts of the Town of Palm Beach to prepare a strategic plan for one of the nation's most prestigious and private communities. Faced with mounting regional growth pressures, redevelopment of "mega mansions" in historic neighborhoods and a number "intrusions"; the Town and its citizens are resolved to apply the Strategic Plan to vigorously defend the community's renowned quality of life. In the creation of an initial Vision Statement, Mr. Fernsler led some 400 citizens in a number of community-wide forums.

Village of East Hampton Visioning Process and Comprehensive Plan, East Hampton, NY

WRT led the effort to prepare a comprehensive plan for one of the most unique, highly sought after coastal villages in the nation. The part-time residence of numerous celebrities and corporate leaders, this most prestigious enclave among "the Hamptons" traces its rural heritage to pre-revolutionary war times. Increasing pressures from tourism, growth in neighboring communities and a trend toward "mega-mansions" are now changing the community in ways which conflict with resident desires to maintain the community's quaint charm, village-scale and low key lifestyle. Mr. Fernsler led numerous "village hall" visioning exercises with a citizens' steering committee to define a range of new initiatives through which to defend the historic character of neighborhoods, the commercial village center and its scenic corridors. Following a moratorium on all commercial

development, new regulatory codes are now in place to prevent development contrary to the scale of the village.

North Kingstown Vision Statement, North Kingstown, RI

One of the most quaint coastal villages in New England, North Kingstown is facing numerous pressures which threaten its historic character and scale, including a proposed container port, redevelopment pressures and unwanted highway improvements. To create the mandate for the protection of community character in a new comprehensive plan, Mr. Fernsler led several Town Hall community forums to identify and articulate the shared aspirations of citizens for the future of the community.

City of Galveston Comprehensive Plan, Galveston, TX

Mr. Fernsler was Principal-in-Charge of the creation of the City's first comprehensive plan in three decades. This historic island community faces many challenges including the management of pressures from tourism, the revitalization of historic in-town neighborhoods, the diversification of the local economy and the protection of unique barrier island ecosystems. Through extensive citizen visioning sessions, WRT and a broadly representative Comprehensive Plan Steering Committee have organized the plan as a sequence of bold strategic initiatives which apply principles of "smart growth" to improving quality of life and enhancing community character. A major emerging area of emphasis is to initiate island-wide aesthetic enhancements to roadway corridors, waterfront edges, downtown activity areas and habitat restoration areas.

Chapel Hill Comprehensive Plan, Chapel Hill, NC

Mr. Fernsler was Partner-in-Charge of preparation of a comprehensive plan for the Town of Chapel Hill, a prestigious community in the Research Triangle Area, and the home of the flagship campus of the University of North Carolina. The plan is being prepared with an extensive community participation process, designed to identify residents' concerns and values as a basis for plan recommendations. Multi-modal transportation, environmental resource protection, neighborhood conservation and the relationship between the town and the university are key issues being addressed by the plan.

Charleston County Comprehensive Plan, Charleston County, SC

Mr. Fernsler was Partner-in-Charge of preparation of the new comprehensive plan recently adopted for Charleston County. Key issues of the plan include the provision of public facilities and services, highway planning, land use policies and regulations to control "sprawl," annexation, farmland preservation, and protection of environmentally sensitive coastal resource areas. The adopted plan and development regulations, which were developed with extensive community input and buy-in, have effectively precluded additional suburban sprawl, and put in place an innovative framework to retain rural character, and protect the region's agricultural base and sensitive wetland and forest ecosystems.

Flower Mound Comprehensive Plan, Flower Mound, TX

Mr. Fernsler was Partner-in-Charge of WRT's recently completed comprehensive plan for the rapidly growing Dallas suburb of Flower Mound. With some of the most unique landscape features in north Texas, this largely rural community was threatened by the wave of sprawl blanketing the Dallas region. Determined to become the first "smart growth" community in Texas, Flower Mound retained WRT expressly to establish a framework for growth management unprecedented in Texas. The adopted plan has survived legal attack and now

embraces "conservation development" and strict urban-rural demarcations as an effective antidote to sprawl.

FOCUS Kansas City Comprehensive Plan, Kansas City, MO

WRT served as prime consultant for the Master Plan for Northland, the area of the City experiencing the greatest growth pressures and where undesired changes in community character are significant threats to the City's high standards. The plan moderates pressure for conversion of agricultural land, while strategically introducing mixed-use town centers, boulevards and greenways to retain the natural rural character while mitigating fiscal consequences of un-managed growth. Mr. Fernsler was Partner-in-Charge.

Sanibel Vision Plan, Sanibel Island, FL

Mr. Fernsler lead the effort to create a new "vision" for Sanibel Island, updating the landmark 1976 plan prepared by WRT. One of Florida's landmark environmental attractions, the Sanibel Plan focuses attention on strategies to retain the area's scenic resources and relaxed quality of life.

RELEVANT CLIENT REFERENCES

Greensboro Vision and Comprehensive Plan

Contact(s): **Heidi Galanti, Comprehensive Planner and Project Manager**
Tom Martin, Planning Director
City of Greensboro
P.O. Box 3136
Greensboro, NC 27402-3136
(336) 574-3576
(336) 412-6315 Fax
heidi.galanti@ci.greensboro.nc.us
tom.martin@ci.greensboro.nc.us

York County Comprehensive Plan

Contact(s): **Eric Greenway, Planning & Development Services Director**
York County Planning & Development Services
1070 Heckle Boulevard, A-5
Rock Hill, SC 29732-2863
(803) 909-7222
(803) 327-9722
cheryl.dean@yorkcountygov.com
eric.greenway@yorkcountygov.com

Chapel Hill Comprehensive Plan

Contact(s): **Roger Waldon, Director of Planning**
Town of Chapel Hill Planning Department
306 N Columbia St, 3rd floor
Chapel Hill, NC 27516
(919) 968-2728
(919) 969-2014
rwaldon@townofchapelhill.org

Sanibel Vision Plan

Contact(s): **Bruce Rogers, Director of Planning**
City of Sanibel Planning Department
800 Dunlop Road
Sanibel, FL 33957
(239) 472-4136
sanplan@ci.sanibel.fl.us

LISA H. HAMMER
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Homestead, Florida 33090
(305) 248-0785
(305) 247-3430 Fax
lhammer@bellsouth.net

August 2005

CURRICULUM VITAE

OBJECTIVE

Horticultural Consulting assignments in South Florida, the Caribbean and Latin America.

SUMMARY

A native Miamian with over twenty years of professional experience in South Florida horticulture. Particular expertise in arboriculture, landscape maintenance, integrated pest management, and plant nutrition. Advise property owners, managers, and landscape industry professionals in efficient landscape management. Provide on-site consultations, prepare technical reports and specifications, develop and deliver training programs, and provide expert testimony in legal cases.

WORK HISTORY

1987-present Lisa H. Hammer, Horticultural Consultant

Private consulting practice in landscaping and arboriculture, advising property owners, managers, and landscape professionals on landscape management. Specialties include plant diagnosis and prescription, tree pruning specifications, landscape maintenance specifications, landscape monitoring programs, tree preservation programs, landscape training programs, tree and landscape appraisals, hazard tree evaluation, landscape design review, legal cases involving trees and landscaping.

1983-1987 Extension Agent, Urban Horticulture, Florida Cooperative Extension Service

Developed educational programs in urban horticulture in Dade County. Targeted audiences were grounds maintenance professionals, retailers, and homeowners. Provided workshops, seminars, and on-site evaluations. Coordinated and managed Master Gardener volunteer program. Developed community gardening programs in inner city neighborhoods.

1982-1983 Laboratory Technician, Shands Teaching Hospital, University of Florida

Performed laboratory duties related to medical research project on effects of pectin on serum cholesterol levels. Funded by Florida Citrus Commission. Performed gel electrophoresis, spectrophotometry, and basic laboratory duties.

1981-1982 Horticulturist/Keeper Aide, City and County of Honolulu Zoo

Installed and maintained plants in aviary. Worked inside cages with various bird species, installing, pruning, and fertilizing plants for aesthetics, perching, and shelter for birds.

1979-1981 Research Assistant, Department of Fruit Crops, University of Florida

Part-time student assistant to agricultural researcher in studies involving the effects of ultraviolet radiation on food crops, maximization of resin content in pines, development of abscission compounds for citrus, and effects of plant growth regulators on peach bloom. Duties included basic laboratory functions including the usage of a spectrophotometer and gas chromatograph. Also maintained experimental plants in the greenhouse and growth chambers. Performed micro-grafting and budding procedures.

LISA H. HAMMER
CURRICULUM VITAE
PAGE 2 OF 4

EDUCATION

1977-1981 *Bachelor of Science, Agriculture, University of Florida*
Major in Fruit Crops. Certificate of Specialization in Tropical Agriculture.

Awarded William F. Ward Achievement Award, 1981.

1984-1987 *Master of Science, Biology, Florida International University*
Thesis research in pollination ecology.

Awarded Florida International University Travel Fellowship, June 1985, to participate in "Tropical Agroecology" course, Costa Rica. Organization for Tropical Studies, July-August 1985.

Awarded Organization of American States fellowship, August 1986, to perform master's thesis research in Costa Rica.

PROFESSIONAL AFFILIATIONS

American Society of Consulting Arborists. Registered Consulting Arborist No. 333.

International Society of Arboriculture. Certified Arborist No. SO-0758. Board of Directors, Florida Chapter, 2000-2002.

Tree Care Industry Association (formerly National Arborist Association).

Florida Arborist Association. President 1995.

Florida State Horticultural Society. Vice-President 1984.

Fairchild Tropical Garden.

LICENSES AND CERTIFICATIONS

State of Florida, Certified Pest Control Operator. Certification #JF89007.

American Society of Consulting Arborists. Registered Consulting Arborist #333.

International Society of Arboriculture. Certified Arborist #SO-0758.

PUBLICATIONS

"Palm Shaving", Florida Arborist, Volume 5, Number 4. Winter 2002. Florida Chapter International Society of Arboriculture.

"The Date Palm in the Florida Landscape". Florida Arborist, Volume 4, Number 4. Winter 2001. Florida Chapter International Society of Arboriculture.

Case Capsule #1, "Arboricultural Consultant", Vol. 28, No. 6, Dec. 1995.

Pollination Ecology and Floral Biology of the Yellow Passionfruit, *Passiflora edulis* f. *flavicarpa*. Proc. InterAm. Soc. Trop. Hort., 30:35-44. 1986.

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The Pollinators of the Yellow Passionfruit – Do They Limit the Success of *Passiflora edulis* f. *flavicarpa* as a Tropical Crop? Proc. Fla. State Hort. Soc., 100:283-287. 1987.

PRESENTATIONS

Complete Tree Management Program, Florida Chapter International Society of Arboriculture, University of Florida Extension, and Miami-Dade Community College. October 2002. "ANSI Pruning Standards".

International Society of Arboriculture, Florida Chapter, Annual Conference, 1999. "Site Considerations in Tree Species Selection."

American Society of Consulting Arborists Annual Conference, 1996. "Case Capsule, Results of Internal Revenue Service Audit of Casualty Loss Claim after Hurricane Andrew".

American Society of Consulting Arborists Annual Conference, 1992. "Effects of Hurricane Andrew on South Florida's Trees".

Florida State Horticultural Society Annual Conference, 1987. "The Pollinators of the Yellow Passionfruit – Do They Limit the Success of *Passiflora edulis* f. *flavicarpa* as a Tropical Crop?"

InterAmerican Society of Tropical Horticulture Annual Conference, 1986. "Pollination Ecology and Floral Biology of the Yellow Passionfruit, *Passiflora edulis* f. *flavicarpa*".

COMMITTEE MEMBERSHIP

American Society of Consulting Arborists, Document Review Committee. 1995 to 1997.

Dade/IFAS Cooperative Extension, Urban Horticulture Advisory Committee. 1990 to 2001.

Metro-Dade County Tree and Forest Resources Advisory Committee. 1991 to 1994.

TEACHING ASSIGNMENTS

Florida Chapter, International Society of Arboriculture, Certified Arborist Training. June 1998. Taught Tree Selection, Planting and Establishment section of Certified Arborist training program.

Florida Arborist Association, Southern Chapter. Tree Pruning Seminar, June 1995. Taught Tree Biology section.

Miami-Dade Community College. 1991-1992. Part-time instructor. Taught Horticulture II, a required course for Landscape Technology majors.

Dade County Extension Agent. 1983-1987. Planned, coordinated and taught numerous workshops, seminars and training programs on a variety of topics related to urban horticulture. Coordinated, managed and taught sections of Master Gardener volunteer program.

Lisa H. Hammer, Horticultural Consultant. 1987 to present. Numerous private training sessions for professional landscape maintenance and pest control company personnel, and municipality employees.

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AWARD-WINNING PROJECTS

National Xeriscape Council, Florida Xeriscape Award, Landscape Management. Presented to Florida Power & Light Company, Florida City, FL. 1992. Project Manager. Wrote Landscape Design, Installation and Maintenance Specifications. Provided Landscape Monitoring Service.

Florida Nurserymen and Growers Association, Top Award, Re-Landscape Over \$500,000. Presented to Ocean Reef Community Association, Key Largo, FL. 1995. Wrote Landscape Installation and Landscape Maintenance Specifications. Provide Landscape Monitoring Service.

American Landscape Contractors Association, Grand Award, Re-Landscape Over \$500,000. Presented to Ocean Reef Community Association, Key Largo, FL. 1995. Provide Landscape Monitoring Service.

American Landscape Contractors Association, Grand Award, Maintenance. Presented to Ocean Reef Club, Key Largo, FL. 1996. Provide Landscape Monitoring Service.

American Landscape Contractors Association, Merit Award. Presented to Pembroke Lakes Mall, Pembroke Pines, FL. 1996. Provide Landscape Monitoring Service.

American Society of Landscape Architects, Florida Chapter, Year 2000 Design Award. Presented to Curtis & Rogers Design Studio, Inc., Miami, FL. 2000, for Carnival Corporation headquarters. Provide Landscape Monitoring Service.

RELATED PROJECTS

Ritz Carlton Key Biscayne; Hall & Bell Landscape Architects. Preparation of Landscape Maintenance Specifications. July 2001.

Ocean Club Development and Ocean Club Community Association, Key Biscayne, FL. Review of Landscape Maintenance Contracts and Landscape Monitoring Service. 1999-present.

Donner Residence, Mashta Island, Key Biscayne, FL. Preparation of Landscape Maintenance Specifications and Landscape Monitoring Service. 1999-present.

Ocean Reef Club and Ocean Reef Community Association, Key Largo, FL. Landscape Monitoring Service. 1993-present.

Miami Parking Authority, Coconut Grove Business District, Miami, FL.. Tree Inventory and Recommendations. 2004.

Village of Biscayne Park, FL. Inventory and Evaluation of Australian Pines as Street Trees. 2004.

City of Coral Gables, FL. On-call for miscellaneous tree evaluations. 2002-present.

PERSONAL

Born and reared in Miami, Florida. Attended Miami Palmetto High School. General Equivalency Diploma, January 1976. Married to South Florida naturalist, Roger L. Hammer. Interests include music appreciation, outdoor activities, and international travel.

IDS Irrigation Design Service

Irrigation Consultants 777 S.W. 6th Street - Ft. Lauderdale, FL 33315 - phone (954)763-7243 fax (954)763-1220

RESUME: George D. Smith, ASIC, ASLA

DEGREE: Bachelor of Science in Landscape Architecture
Louisiana State University - 1962

EXPERIENCE:

Sweeney & Associates – Irrigation Consultants
Ft. Lauderdale, FL and Muretta, CA.
2005 - Principal

Irrigation Design Service Inc.
Ft. Lauderdale, Florida
1986 to 2005 - Principal

Johnson-Smith Landscape Architects
Ft. Lauderdale, Florida
1989-1991 Principal

Stresau Smith & Stresau, Professional Association
Landscape Architects - Ft. Lauderdale, Florida
1971 - 1988 President of the firm.
1968 - 1971 Principal & V.P.
1965 - 1968 Designer and Project Manager
1963 - 1965 Landscape Architectural and Irrigation Designer

1962 - 1963 City of Dallas, Texas - Parks Department
Planning, Landscape & Irrigation Design

PROFESSIONAL REGISTRATION:

Landscape Architect - State of Florida
1966 - Certificate Number 056

Building Contractor - State of Florida
1972 - Certificate Number CB C004624

National Certification as Landscape Architect 1978
Council of Landscape Architectural Registration Board
CLARB - Certificate Number 094

National Certification with the Irrigation Association: as CID -Certified Irrigation
Designer [Dual Certification] - [Both] Commercial Irrigation Design and Golf
Course Irrigation Design CID#060486

PROFESSIONAL SOCIETIES:

American Society of Landscape Architects
American Society of Irrigation Consultants
International Federation of Landscape Architects
Landscape Inspectors Association of Florida

OTHER:

1991 - 1992 Board of Directors - Broward Co. Chapter of Florida Irrigation Society - Secretary for year 1992.

1985 - 1990 - State Board of Directors - Florida Irrigation Society - Member of Design Standards Committee

1986 - 1987 Director - Broward County Chapter of FIS

1976 - 1979 Executive Committee - Florida Chapter of The American Society of Landscape Architects

1980 - 1981 President of the Florida Chapter of the American Society of Landscape Architects

1981 - 1983 Executive Committee - Florida Chapter of the ASLA

1980 Governors Design Award Committee

1979 - 1980 Vice President of the Florida Council of Landscape Architects

1973 Citizens Advisory Committee of the Broward County Area Planning Board

1972 - Present Member of the Florida Defenders of the Environment

1971- 1974 Member of the Broward County Community Development Council

1974 - 1977 Chairman of the Lauderdale Lakes, Fla. Planning and Zoning Board

Other: Past Affiliations

Florida Atlantic Builders Association
Florida Planning and Zoning Association
National Recreation and Park Association
Florida Beaches & Shores Preservation Society.

PROJECT EXPERIENCE:

Principal in charge of the following:

Miami International Airport Irrigation design and development from 1971 - 1988. Cost: approx \$7.5m

North Shore Open Space Park - Miami Beach, Fla.
Conceptual design, Federal Grant Assistance, Landscape, Irrigation, Lighting, responsible for the design of all structures, engineering, construction drawings and project management. Cost \$1.7m.

Dade County Rapid Transit - Development of all irrigation design criteria and the development of the maintenance manual for the entire 24 miles of the Metro Rail system. Subconsultant to the Kaiser Transit Group.

University of Miami Metro Rail Station - Landscape and Irrigation construction documents. Cost \$650,000. Kaiser Transit Group

Principal in charge of irrigation development criteria for Ft. Lauderdale, Hollywood International Airport.

Arvida Parkway - Initial irrigation development, 1985-1986 for the Arvida Corporation, Broward Division.

Boca West - Projects within the Boca West envelope:

Peppertree - townhouses

Willow Wood - midrise units

Brookwood - quadraplex development

Quail Hollow - quadraplex development

Arvida - Millpond, N. Andrews Ave., Boca Raton, Fla. - (This is a single family project)
Development of irrigation, and total project management during construction. 1980 -1983

Arvida - Townplace - Irrigation design & all contract documents including supervision. 1983 - 1985

Arvida - Parkway Center (Office - Business Park) Glades Road 1985 - 1988. Cost 150,000.
Irrigation and pumping system design, contract documents and supervision during construction.

Riverbridge - West Palm Beach, Fla., Mobil Land Development. Design of interior roadway irrigation as well as irrigation design for the sales office and recreation center. 1987 - 1988

Sailfish Point - Stuart, Fla. Owner, Mobil Land Development, Development of irrigation criteria for entire project. Irrigation documents for two midrise condos. within the project as well as the irrigation design for several large homes within the development. 1983 - 1987

Sea Ranch Club - Lauderdale by the Sea - Irrigation design and supervision for a three building

high-rise development. North American Corporation. Cost \$300,000.

Ocean Front Planting and Dune Stabilization - Village of Bal Harbour, Fla. Development of design package for submission to the Fla. Dept. of Natural Resources, Grant Application. Landscape, irrigation and supervision. Cost \$450,000.

Sandpebbles - Hutchinson Island, Martin County. Consists of two towers on the ocean with a complex of two story buildings on the Intercostal side of A1A. Responsibility was for the irrigation design of the entire complex including assistance in the development of an intermix of well water and potable sources.

Gardens of Woodbury - PGA Blvd., Palm Beach Gardens - Centex Homes. Development of irrigation package for the common areas and production package for the various units. (Single family home development) 1983 - 1984

Fern Glen Park - City of Coral Springs - Development of master plan, grant application assistance, responsibility of structure design, landscape, irrigation and supervision. 1986- 1988

Inverrary Park - City of Lauderdale, Fla. Master Plan, all construction documents. Project management during construction. Cost \$85,000.

Coral Lakes Estates - Margate, Florida - Centex Homes. Development of pumping and irrigation for entrance, perimeter wall and model complex. 1988-1989

Rock Island Road - N. Lauderdale and Margate. Development of all median irrigation - 1988 - Subconsultant to Williams Hatfield and Stoner.

University Drive widening project. - City of Coral Springs - Development of all irrigation documents for median. Subconsultant to Craig Smith Engineers.

North Broward Court House Annex - 1988 - Development of all irrigation contract documents. Subconsultant to Spillis Candela and Partners Architects.

Dutch Village III - Aruba N.A. - 1988 Design of pumping system and irrigation. DIVI Design Group.

DIVI Little Bay - St Maarten N.A. - 1988 Irrigation design for ten building complex. Preparing documents for complete installation package in conjunction with Rainbird Sprinklers International Division.

Federal Courthouse, St Croix V.I. - 1989 - Irrigation design Subconsultant to Wallace Roberts and Todd, Landscape Architects.

Terrimark Center (General Development Center), Coconut Grove, Fla. 1989 - Consultant to Bermello & Assoc. - Coral Gables, Fla.

Costa Linda - Aruba NA - 1989 - Subconsultant to James E. Voss, Landscape Architect - Miami, Fla. Est. cost \$280,000

Nesbit Plantation Inn - 1989 - Nevis BWI - Irrigation Design

Sonesta Beach Resort- Curacao, N.A. - 1990 - Irrigation Design Subconsultant to EDSA, Landscape Architects and Planners, Ft. Lauderdale, Fla.

Discovery Center, Ft. Lauderdale - 1990 - 1992 - Subconsultant to EDSA Landscape Architects, Ft. Lauderdale, Florida.

Esplanade Park and Parking for the Performing Arts Center, Ft. Lauderdale - 1990 - Subconsultant to WRT, Coral Gables, Fla.

Homestead Sports Complex - 1990 - This project comprised of 9 practice baseball fields and one major league field with stadium. Subconsultant to WRT, Coral Gables, Fla. and HOK, St. Louis, Mo.

Central Chiller Plant - 1990 - Miami International Airport Consultant to Jungles Design Studio.

Sandals Resort - Montego Bay, Jamaica - Irrigation Design - Retrofit with Reclaimed Water. Est cost \$85,000

Mullet Bay Towers - 1990 - St. Maarten, N.V. - Irrigation Design Reclaimed Water - Est. cost \$95,000

Riverwalk - 1990/91 - Ft. Lauderdale, Florida - Est. cost \$70,000 (City Project) Downtown Development Authority

Buenos Aries Golf Club - 1991 - 36 hole golf course - Buenos Aries, Argentina - Est. Cost \$1,400,000 - Architect: Von Hagge Design Group

Palmetto Park Road - Boca Raton - Turnpike to Military Trail - Irrigation for Medians and Road rights of way, including pump-station design and permitting. 1990 - 1991 -Boca Del Mar Improvement Association. Cost \$135,000.

U.S. Postal Service - 1990/91 - Postal facility in Ft. Meyers, Fla. Cost \$54,000 - Consultant to WRT Landscape Architects, Coral Gables, Fla.

Eastgate Park - City of Lauderdale Lakes, Fla. - 1991 - Two baseball fields and two soccer fields - Est. cost \$65,000

El Conquistador - Resort and Golf Course - 1991 - San Juan, P.R. Est Cost \$560,000 - 18 hole golf course - Golf course Architect: Art Hills Toledo, Ohio.

Sylvester Cancer Clinic - U. of Miami Medical Center - Consultant to Payette Associates, Boston, MA. Under construction. Finish Spring 1993.

Stoffer Vinoy Hotel & Resort - St Petersburg, Florida - 1992 - Tennis complex with both grass and clay courts, all fully under automatic irrigation with reclaimed water. Cost of construction, \$180,000.

V.A. Cemetery - Brooksville, Florida - 1992 - Cost of construction \$475,000. Landplanner EDSA, Ft. Lauderdale, Fla.

Club Med - San Salvador, Bahamas - 1992 - 1993 - Design of pumping system, controls and system layout for all landscape areas and clay tennis court complex using reclaimed water. Cost of construction \$450,000.

Jumby Bay - Antigua - Several large scale residences, including residences for Lord Sansbury & Robin Leach. 1992 - 1993.

Princess Beach Resort - Curacao, N.A. New construction and renovation to old irrigation systems. 1992 -1993.

Ponce Hilton - Ponce, Puerto Rico - 1992 - 1993. Consultant for EDSA Landscape Architects and to Pablo Quinones Architect.

Sonesta Beach Resort - Curacao, N.A. - 1992. Design of system using reclaimed water for Resort use.

Coral Gables - Fire Station #3 - 1992 -1993 Consultant for Bermello, Ajamil & Partners.

Fairchild Tropical Garden - Coral Gables, Florida. 1993 - Ongoing. Design of new irrigation system to replace old system destroyed by Hurricane Andrew.

Tierra Del Sol - Golf/Tennis Resort Community - Aruba 1993 - Design of Central Control system for irrigation system using reclaimed water.

Ocean Reef Club - Entrance Road for Community 1993-1994 - Monroe Co. Florida

Paradise Island Resort - Atlantis - Design of \$375,000 irrigation system in a water oriented rockscape garden, using reclaimed water. 1994-1995

Babcock Park - City of Hialeah, Florida - Design irrigation and project administration for 9 baseball sports complex. Completed Jan. 1995 - Consultant to City of Hialeah.

Coral Gables Youth Center - Coral Gables, Florida - Design of irrigation system for ball fields and other recreational activities. 1994- 1997 - Subconsultant to WRT Coral Gables.

US Nature Cultural Center - Weston - 1995 - 1996 Consultant to EDSA

Terramar Park - City of Parkland, Florida. Design of irrigation system for multi-sport park. Baseball, soccer, football and other recreation activities. 1996-1997

Broward Co. Arena (Home Depot Arena) Sunrise, Florida - Home of the Florida Panthers Hockey Team. Central controlled irrigation system for 50+ Acre facility. 1999

Fort Lauderdale Airport - Garage and roadway expansion. 1998 - est completion 2000 (Project mgr., principal designer for original overall system 1980-1985) New Parking Garage

completed 2002.

V.A. Cemetery - Brooksville, Florida - 1997-1998 - Cost of construction - Phase III, \$850,000.
Consultant for EDSA, Ft. Lauderdale, Fla. Completed 2000.

Pembroke Shores Park - Pembroke Pines Florida - 1997-1998 Eight baseball fields and other
recreation activities. Park is currently under construction, completion 1998.

SW Florida Regional Airport - Ft. Meyers. Terminal and parking expansion 1996-1998.
Currently under construction. Est. Completion 1998.

17th Street Causeway. Ft. Lauderdale, Florida - Fla. Dept of Transportation. Design of irrigation
for new bridge. 1997 Bridge construction finished 2002

Atlantis – water theme park 1997 – 1998.

Design has also been completed for the Harborside Timeshare . Paradise Island Nassau,
Bahamas Estimated time of completion, 2001.

Pembroke Falls Park – Pembroke Pines Florida. Currently under construction. Est. time of
completion Year 2001

Brickell Blvd. Medians – Miami Florida. Median irrigation utilizing the new “wick irrigation” a
non spray type irrigation to prevent water from wetting pavement. Completed Jan. 2002

Dade Co Aviation Dept – North Side Fire Station. Miami, Florida. Estimated time of completion
2002

Visa International – Miami, Florida – completed 2001

State School C – Dade County. Completed 2001.

Parking Facility at Florida International University, South Campus. Miami, Florida. Completed
2001.

Westside Park – Deerfield Beach, Florida . Completed Spring 2005

Central Park – Plantation, Florida –Irrigation for multiple sports fields, and open park areas.
Completed Jan 2003.

Four Seasons – Brickell Avenue, Miami, Florida. Irrigation for several above ground levels and
pool deck on 7th Floor. Completed – Fall 2004.

Volunteer Park – Plantation, Florida – Irrigation for equestrian park, open space and parking
areas. Est. Completion April 2005.

Dade Co Aviation Dept – West Cargo Facility as well as the Central Maintenance Facility,
Miami, Florida. Cost \$350,000. Estimated time of completion 2006

Seminole Paradise Casino, Retail and Exhibition area. Consultant to EDAW. Completed Fall of