



TOWN OF LAKE PARK
PROFESSIONAL CONSULTING SERVICES
RFQ NO. 103-2015
JUNE 19, 2015

Prepared By:



McLEOD • McCARTHY
& Associates
CIVIL ENGINEERS



Jon E. Schmidt and Associates



FLORIDA TECHNICAL CONSULTANTS



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Section 1

Introduction and Qualifications

David Hunt
Public Works Director
Town of Lake Park
650 Old Dixie Highway
Lake Park, FL 33403

[RE: Town of Lake Park Professional Consulting Services; RFP No. 103-2015](#)

Dear Mr. Hunt:

McLeod, McCarthy and Associates (MMA) is pleased to submit our comprehensive presentation of qualifications for the Town of Lake Park Professional Consulting Services. Per your request, you will find seven (7) hard copies and one (1) electronic copy in CD format of the requested information for your consideration.

[Introduction and Location](#)

MMA is headquartered in West Palm Beach, Florida just minutes away from the Town of Lake Park. MMA is a local, certified small business enterprise (SBE). We are led by two professional engineers, Tom McCarthy, P.E. and Todd McLeod, P.E. The company was created in early 2014 by the merger of Clark and McCarthy Engineers and One Evergreen, however our roots date to 1997 when Mr. McCarthy founded Tom McCarthy Consulting Engineer, Inc. Together, Tom and Todd have over 60 years of civil engineering experience, primarily in the Palm Beach County area. We have a wide expertise which includes site development, plan review, stormwater calculations, stormwater design, stormwater inspections, and infrastructure improvements.

Although MMA has not previously contracted with the Town, we have experience with private engineering projects within the Town limits and have provided municipal engineering consulting services to a number

of Palm Beach County's other municipalities and quasi-governmental entities including the Town of Juno Beach, the Town of Palm Beach, and the City of Lake Worth as well as Palm Beach State College, the South Florida Water Management District and the School District of Palm Beach County. We understand that high-quality attractive redevelopment and infill are important to the Town, and our team is committed to helping Town staff guide capital projects to this goal.

MMA's work with municipalities has been both project specific and as an extension of staff on a continuing basis. Our experience is broad, including development reviews and support to planning and zoning staff, support to the building departments and code enforcement, support to public works, support to the finance department, utility designs (water, wastewater, and stormwater), citizen involvement, utility formation, road design, Agency liaison and interfacing, and Council education.

Town Engineer Experience

Tom McCarthy, P.E. has served in public capacities as Assistant Palm Beach County Engineer and Town Engineering Consultant for The Town of Palm Beach as well as Town Engineer for the Town of Juno Beach from 1997 to 2002. Some of his accomplishments during these periods included:

- Redesign and rebuild of Mercury Circle and Mars Way (required extensive coordination with LRD/ENCON)
- Plan reviews for new development submittals and permit applications
- Redesign and reconstruction of Worth Avenue for the Town of Palm Beach
- Rehabilitation of Palm Beach's bulkheads and seawalls
- Stormwater Pump Station rehabilitation and reconstruction

Todd McLeod, P.E. has assisted with City Engineer services for the City of Lake Worth prior to founding his own firm. Accomplishments included:



- Leading the design, bidding and construction team for the reconstruction of the Latona Avenue CDBG streetscape project.
- Working with our grant sub-consultant and County staff on ensuring proper use of CDBG funds.
- Leading the design, bidding and construction team for the reconstruction of the South Golfview Road streetscape project and drainage rehabilitation project.
- Communicating with and educating City staff on engineering and infrastructure needs and concerns
- Reviewing development plans for vehicular/pedestrian accessibility, stormwater compliance, and site/civil infrastructure issues
- Permitting City facilities with many major regulatory agencies (FDOT, SFWMD, FDEP, and Palm Beach County)
- Developing the City's Standard Engineering Details & Criteria for roadway sections, curbing, signage, parking, pavement requirements, trenching, restoration, drainage, and sidewalks

Todd is currently working with the School District of Palm Beach County to master plan and redevelop their Transportation Facilities throughout the County and has recently served as Engineer-of-Record for a number of other public facilities projects including:

- Palm Beach County Fire Rescue Station #'s: 31, 72, 74 (Palm Beach County CID)
- Delray Beach Fire Station #5 (City of Delray Beach)
- Center Street Drainage Improvements (Palm Beach County Engineering & Public Works)
- West Atlantic Plaza (Delray Beach CRA)
- Coleman's Landing (SFWMD)

When selected, Todd will provide for all the Town's engineering needs as requested and will manage our team of engineers for the Town's benefit. We believe the Town will benefit from the consistency and



efficiency of having ONE individual performing the Town's engineering coordination. In addition, our focus on ensuring that the experienced owners of our firm provide "hands-on" engineering service is aimed to maintain a higher quality of service to our clients while keeping fees reasonable and cost-effective. Our specific firm experience as it relates to the services desired by the Town includes:

- Municipal/Public roadway, street beautification, traffic calming, and drainage improvement projects for the City of Lake Worth, Palm Beach County, Town of Palm Beach, Town of Juno Beach, City of West Palm Beach, and the Lake Worth CRA
- Stormwater Management studies for the City of Lake Worth and the School District of PBC
- Public facilities projects such as Fire Rescue Stations (#31, 72, & 74), Chiller Plants, and Schools
- Regulatory Permitting for roadways, drainage improvements, facilities, and environmental enhancements
- Bidding Assistance and Value Engineering to deliver projects on-budget
- Construction Administration to ensure projects are built correctly while disturbance to local residents is minimized
- Meeting with Residents, Municipal Staff, and Elected Officials to review project elements and address concerns
- Attendance of inter-governmental agency meetings to review common goals and issues

"Hands-on" engineering service maintains high quality service to our Clients while keeping fees cost-effective. When you call MMA, you deal directly with Todd McLeod or Tom McCarthy

Engineering Knowledge and Value

There's a difference between experience and knowledge. Experience is related to the amount of time you have performed a specific task. However, knowledge signals the professional respect granted individuals whose experience is dignified by continuously doing what's best for their clients in ways that support

community goals. MMA has relationships with and the respect of many of the key regulatory agency personnel and other local municipalities. Those relationships benefit our clients by allowing efficient access, focused discussions, and dependable responses to questions and problems which have saved our clients thousands of dollars.



We have all of the general software and hardware expected of any modern firm including the Microsoft Office Suite, Adobe Creative Suite, smart phones, etc. In addition, we maintain licenses to all of the specialized engineering software necessary to complete capital projects for the Town, including AutoCAD v2016, ASAD, AutoTurn, and CASCADE. Many clients label us "Value-Added" when they consider our overhead cost versus our knowledge.

Past Performance

MMA is fortunate to have enjoyed positive and productive relationships with our clients, both private and public. We enjoy the sense of fulfillment and pride that come from contributing to the successes of our municipal clients. Following is a brief summary of some of the positive feedback we have received. Copies of the full letters of recommendation can be found at the end of this section:

"...Mr. McLeod has consistently demonstrated professionalism through his thorough engineering work and responsiveness." – Joanne Keller, P.E., Director of Palm Beach County Land Development

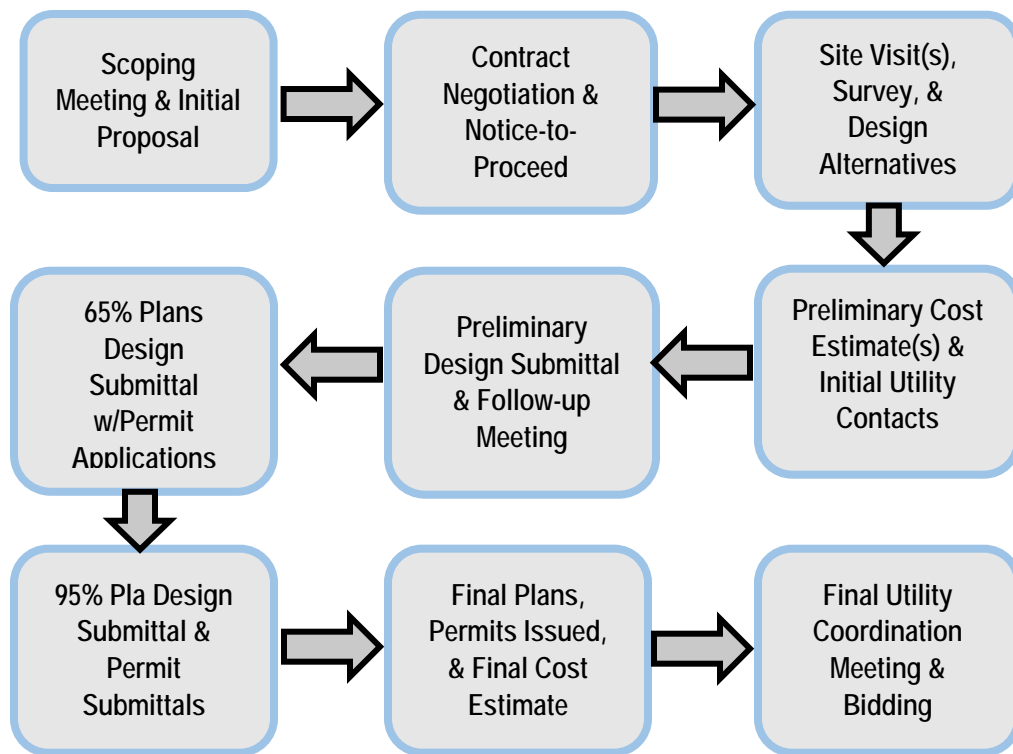
"Todd (McLeod) is very competent as a professional engineer and a pleasure to work with. I recommend Todd McLeod and his SBE firm when seeking engineering consulting in the South Florida area." – Jorge A. Jaramillo, P.E., Principal Engineer, South Florida Water Management District



“Todd McLeod provided civil engineering services for projects which I managed in my prior capacity as a Senior Project Administrator for the Palm Beach County School District. In my current role as the City Engineer for the City of Riviera Beach I find him to be responsive and professional and would recommend his civil engineering consulting services.” – Terrence N. Bailey, P.E., Riviera Beach City Engineer

Proven Process

Our experience in working with other municipalities and quasi-governmental client has allowed us to understand the typical engineering project procedures and to develop a proven process for efficiently completing Capital Improvements projects. The Town can benefit from this knowledge and rest assured in the accuracy and efficiency of this proven process.



Staff Availability

McLeod, McCarthy & Associates has a demonstrated record of providing responsive engineering services to each of our Clients. We are strategic when acquiring new Clients and committed to ensuring that our project staffing and firm capabilities keep pace with the demands and schedules of them. Mr. McLeod and Mr. McCarthy merged their respective firms in early 2014 to enable the pooling of their staff and resources to better serve our Clients. Although we are a small firm, we employ an experienced staff and feel that the benefits of having qualified knowledgeable engineers work directly on the Town's projects cannot be overstated. Our firm is comprised of two Principal civil engineers, one Project Manager/Engineer, one CAD/Design Manager, one Construction Representative, and one Administrative/Financial Assistant. Our current staffing is summarized in the following chart:

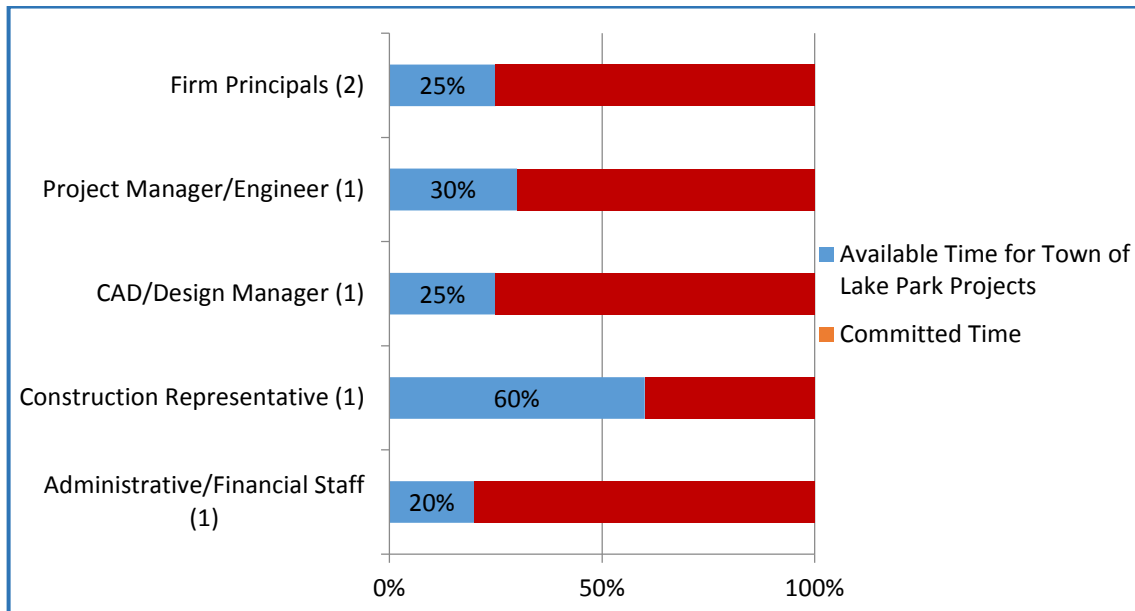


Chart 1: Current Staff Availability

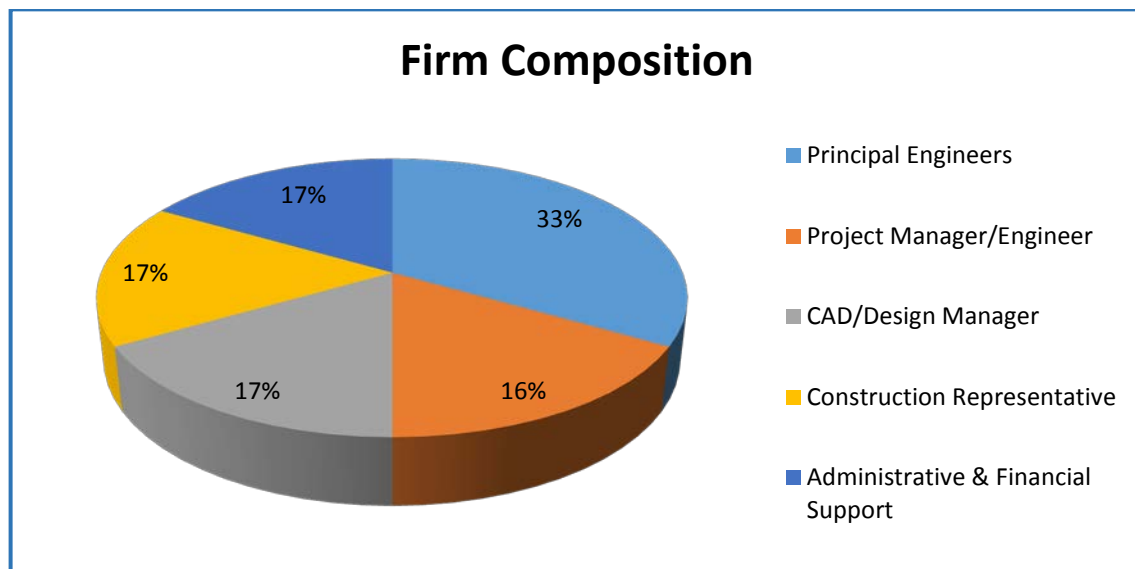


Chart 2: Firm Composition

As shown, we are immediately available to the Town. This level of service can only be found with a local small business. Company Principals will be handling the Town's project and will be readily accessible to Town Staff.

Commitment to Perform

The Town of Lake Park needs a consultant that will partner with your staff and will act as a proactive extension of staff. McLeod McCarthy and Associates has a local, proven record of providing high quality engineering services and forming long term Client relationships. Having company Principals involved, with MMA and our select sub-consultants, means there will be no "revolving door" of staff. Our highly qualified team will be accessible to Town Staff at all times.

MMA is committed to working with Staff and keeping the Town's interest in the fore front. We are familiar with the type of work expected in this contract and are committed to completing each task on time and within budget. MMA is the best qualified firm to be the Town's Consultant. We can offer an unparalleled depth of expertise with the lean efficiencies of a small local firm.

We appreciate the opportunity to present our qualifications to the Town of Lake Park for consideration and look forward to working with the Town. Please contact us if additional information is required.

Sincerely,

Todd McLeod, P.E., LEED AP
President
Office: 561.689.9500, Cell: 561.676.6208
Email: todd@mcleodmccarthy.com

Tom McCarthy, P.E.
Vice President
Office: 561.689.9500, Cell: 561.309.4931
Email: tom@mcleodmccarthy.com





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■
**Palm Beach County
Board of County
Commissioners**

Steven L. Abrams, Chairman
Priscilla A. Taylor, Vice Chair

Hal R. Vaeche
Paulette Burdick
Shelley Vana
Mary Lou Berger
Jess R. Santamaria

County Administrator
Robert Weisman

"An Equal Opportunity
Affirmative Action Employer"

printed on recycled paper

May 24, 2013

Reference: Todd N. McLeod, P.E.

To Whom It May Concern:

I have known Todd McLeod professionally for over 7 years through professional engineering organizations and as a colleague in the civil engineering industry. In that time, I have reviewed his work in my capacity as the Director of the Land Development Division for the Palm Beach County Engineering and Public Works Department. In working with my division, Mr. McLeod has consistently demonstrated professionalism through his thorough engineering work and responsiveness.

I can recommend Mr. McLeod and his civil consulting firm in regard to his civil engineering abilities and land development consulting services.

If I may be of any further assistance, please contact me directly.

Sincerely,

A handwritten signature in cursive that reads "Joanne M. Keller".

Joanne M. Keller, P.E., Director
Land Development Division
Palm Beach County Engineering & Public Works

JMK:dsg





SOUTH FLORIDA WATER MANAGEMENT DISTRICT

March 29, 2012

Re: Letter of Recommendation for Todd N. McLeod

To whom it may concern:

This is to certify that I have known Todd McLeod for the past 10 years as a lead engineering consultant and member of the American Society of Civil Engineering (ASCE) where he held the position of President of the Palm Beach.

During this time Todd has successfully demonstrated his ability to develop cost effective designs and provide timely results to his clients. Todd is a very competent as a professional engineer and a pleasure to work with.

I recommend Todd McLeod and his Small Business Enterprise (SBE) firm, when seeking engineering consulting work in the South Florida area.

Sincerely,

A handwritten signature in black ink that reads "Jorge A. Jaramillo".

Jorge A. Jaramillo, P.E., MASCE



CITY OF RIVIERA BEACH

2391 AVENUE "L"
(561) 845-4080

RIVIERA BEACH, FLORIDA 33404
FAX (561) 848-5491

March 30, 2015

Re: Letter of Recommendation for Civil Engineering Consulting Services

To Whom It May Concern;

Todd McLeod provided civil engineering services for projects I managed in my prior capacity as a Senior Project Administrator for the Palm Beach County School District. He provided engineering design, regulatory permitting, and construction administration assistance for several projects including the Forest Hill High School Parking Expansion, the McKesson Support Services Parking Renovation, and the Parker Avenue Improvements for Forest Hill High School. In my current role as the City Engineer for the City of Riviera Beach, I often review plans for which Mr. McLeod is the design engineer and/or the Engineer-of-Record. I always found him to be responsive and professional and would recommend his civil engineering consulting services.

If you have any questions regarding this letter, please feel free to contact me at 561.845.3472.

Sincerely,

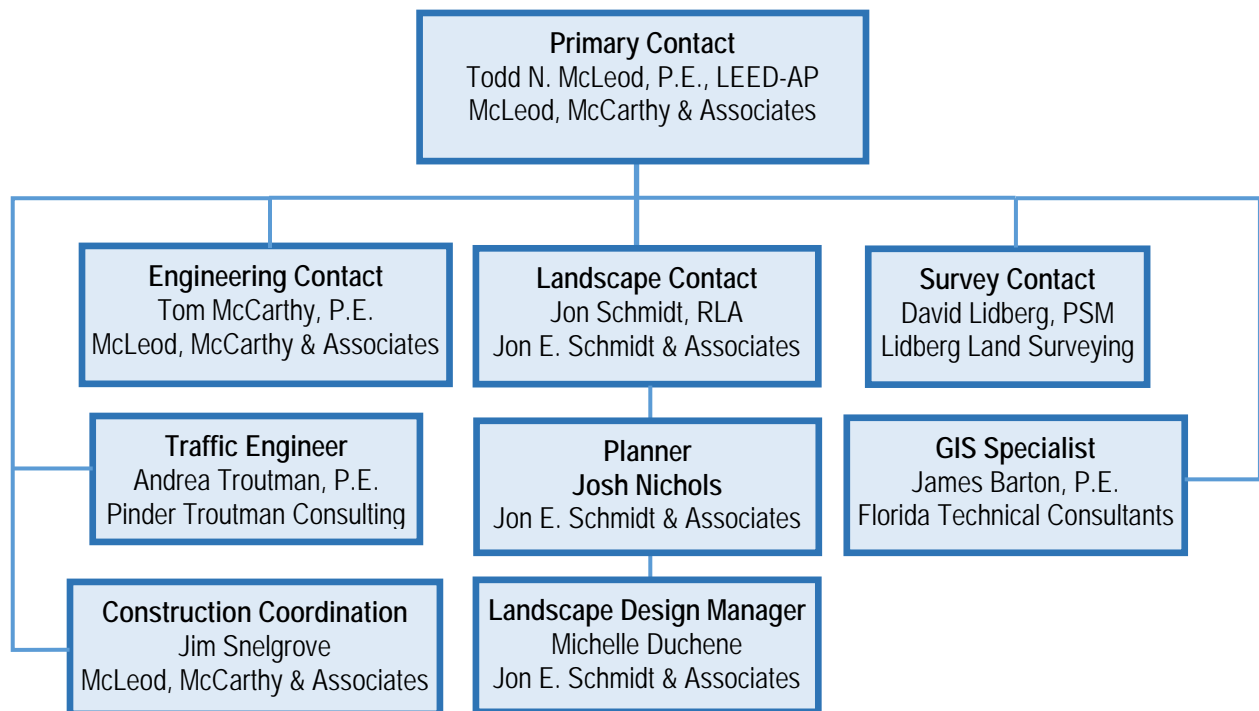
Terrence N. Bailey, P.E., LEED AP
Riviera Beach City Engineer
2391 Avenue L
Riviera Beach, FL 33404
P: 561.845.3472
tbailey@rivierabch.com



Section 2

Project Team

MMA is a local, certified small business enterprise (SBE) and we have specifically chosen other local, small businesses as partners. We have assembled a team of highly qualified engineers, designers, and construction coordinators to provide the professional civil engineering consultant services. A local civil engineering firm benefits the Town by providing direct access to company principals with significant experience while realizing the efficiencies in time and costs that are paramount to a small business. The following organizational chart outlines our team and sub consultant responsibilities.



To assist Town staff with review and analysis of development and permit applications, MMA will utilize a

small team of local sub-consultants to provide trustworthy guidance.

Jon E. Schmidt & Associates (JESA) will assist with landscape and irrigation plan reviews, and Lidberg Land Surveying, Inc. (Lidberg) will assist with review of plats, easements, and other survey documents.

Both JESA and Lidberg are the current Town sub-consultants. MMA maintained them as part of the team to retain the institutional knowledge of Town procedures. MMA is well versed in analyzing and evaluating vehicular and traffic issues for small local streets, however

for more complex traffic analysis and impact reviews, we will consult with Pinder Troutman Consulting, Inc. Florida Technical Consultants is a specialty GIS firm with a wide breath of knowledge from digitizing infrastructure to training Town staff. Our firms have worked hand-in-hand on many public and private projects throughout South Florida and we enjoy a history of shared project knowledge, efficiency, and responsiveness. A detailed approach of our subconsultants follows.

Jon E. Schmidt and Associates (JESA) will provide the landscape architecture services. The firm is located in West Palm Beach, FL and Jon Schmidt, President, would be the primary point of contact. JESA is recognized for being a local leader in comprehensive land planning and landscape architecture services. In addition to their award winning landscape architecture, the firm's experience includes assisting

local municipalities with maintaining and updating their land use and zoning maps. Mr. Schmidt has a local presence and thorough knowledge of the Town of Lake Park, and currently serves as Landscape Architecture consultant.



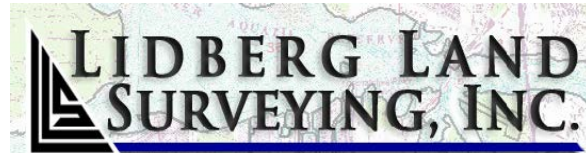
Jon E. Schmidt and Associates



JESA will address the following specific services for the Town:

- Landscape & Irrigation Plan Review
- Land Planning support for Town Community Development staff
- Graphic Design

Lidberg Land Surveying, Inc. (Lidberg) will be responsible for all of the surveying services under this contract. The firm is located in Jupiter, FL and



Mr. David Lidberg, Principal, will be the primary point of contact. Mr. Lindberg has an established reputation for providing an exceptional work product and quality service. Lidberg Land Surveying has served numerous private and public Clients and would be available to the Town for property and topographic survey reviews, plat reviews, and consulting regarding easement documents general survey questions.

Lidberg will address the following specific services for the Town:

- Boundary & Topographic Survey Review
- Specific Purpose Survey Review
- Plat Review
- Easement & Other Survey Document Reviews

Pinder Troutman Consulting, Inc. (PTC) will be responsible for the in-depth analysis of traffic studies, signalization issues, traffic impacts and other traffic-related concerns. PTC is a local firm, based in West



Palm Beach, and has a history of providing knowledgeable traffic engineering analysis in our community for over 15 years. Ms. Andrea Troutman, P.E. is a firm Principal and will serve as the primary point of contact for PTC.

PTC will address the following specific services for the Town:

- Traffic Study Review
- Traffic Impacts associated with new development
- Attendance of Staff, P&Z Board, and Commission Meetings to present traffic analysis, answer questions, address concerns, and provide experienced technical feedback

Florida Technical Consultants (FTC) will be responsible for all of the Town's Geographic Information Systems (GIS). The founder, James Barton P.E. LEED AP has over 20 years of experience in engineering design and project management of water, sanitation and stormwater programs, including water resources, infrastructure rehabilitation and



GIS implementation, environmental engineering, utilities and road construction .FTC is a local firm, based in Palm Beach County. Mr. James Barton, P.E. is the firm's President and will serve as the primary point of contact for FTC.

FTC will address the following specific services for the Town:

- Utilize GIS to catalog underground utilities, street signs, street lighting, and tree inventory
- Utilize GIS to integrate the Town's infrastructure into a useable platform
- Available to train staff on GIS software

Each of our team members is aware of the demands on today's municipal staff when striving to serve their communities and elected officials. MMA and each of our sub-consultants have dedicated staff with the availability to meet Town schedules and development review timelines.

Each firm has its entire professional staff practicing within the local office and is not dependent on outside personnel to deliver the services included in this contract. Mr. McLeod, Mr. Schmidt, Mr. Lidberg, Ms. Troutman, and Mr. Barton are each a "hands-on" professional practicing their respective disciplines on a

daily basis while running their small firms. Each has worked closely with the other team members on numerous public and private sector projects. Having firm owners familiar with one another and in local control of their practices allows for seamless communication, trust, and responsiveness that is rarely available with larger regional or national firms. We each have a vested interest in the growth, safety, attractiveness, and success of our local communities. No one knows the challenges and opportunities available to Lake Park like the professionals living and working in our local area.

Resumes for the project team can be found in **Appendix A**. Examples of similar projects and relevant experience for MMA and team members can be found in **Appendix B**.

Section 3

Response to RFQ Questions

This Section will directly address the questions provided by the Town in their June 10, 2015 Shortlist Engineering Firms letter.

Question 1: Provide your firm's understanding of the site plan review process as it specifically relates to the fields of civil engineering, traffic engineering, National Pollution Discharge Elimination System (NPDES) site plan requirements, surveying, and landscape architecture (substantial review) and electrical engineering (for secondary review purposes).

Response 1: Following receipt of application packages, MMA will perform a general review of the materials and prepare a list of received documents prior to distributing the packages to the appropriate team members. We will contact the Town staff to obtain the background information on the project and discuss any potential items of note or concern.

Traffic statements, studies, and analyses will be reviewed by Pinder Troutman Consulting (PTC) for conformance with Level of Service (LOS) requirements and possible impacts on adjacent properties. PTC will prepare a memorandum summarizing their findings and any potential deficiencies.

Jon E. Schmidt & Associates (JESA) will review the landscape and irrigation plans for consistency with the Town's Land Development Code and for the appropriateness of plant selection and placement. JESA will prepare a memorandum summarizing their findings, recommendations, and potential deficiencies. "Marked-up" landscape and irrigation plans may be



provided on an as-needed basis.

Lidberg Land Surveying (Lidberg) will review plats, surveys, and easement documents for conformance with the Florida Board of Professional Surveyors & Mappers Minimum Technical Standards and the Town's Land Development Code. Lidberg will prepare a memorandum summarizing any deficiencies and may provide "marked-up" documents on an as-needed basis.

MMA will review engineering plans and calculations for conformance with regulatory criteria, the Town's Land Development Code, and typical engineering standards of practice. MMA will evaluate drainage impacts, vehicular access, pedestrian accessibility, NPDES impacts and other site/civil engineering infrastructure (excluding water & wastewater, as these items are reviewed by the Seacoast Utility Authority). MMA will prepare a memorandum summarizing findings, requests for additional information, potential deficiencies, and recommended revisions. "Marked-up" civil engineering and site plans may also be provided on an as-needed basis.

It is MMA's understanding that all site plan reviews must be completed and findings must be returned to the Town within one week. Following MMA's receipt of the traffic, landscape, survey, and civil memoranda, MMA will examine the documents, provide a quality control review prior to submitting them to the Town staff. MMA and appropriate subconsultants will attend Town Planning & Zoning Board Meetings and Town Commission Meetings to answer staff and Commission questions regarding development project elements and provide recommendations.

Following site plan approval for a development project, the MMA team will follow a similar process in reviewing construction documents associated with permit applications. If a secondary review of electrical project elements is needed, MMA has utilized an electrical engineering subconsultant on



many public works projects in the past and we are comfortable managing their secondary review of electrical elements.

Question 2: Availability/Workload: Does your firm currently have long term projects that could take precedence over Town projects? Would your current staffing levels allow your firm to provide a rapid turnaround time for site plan reviews, including all trade reviews not done in-house?

Response 2: We do not currently have significant long-term project commitments which would conflict or take precedence over the Town's projects. The vast majority of MMA's engineering projects are completed within 12 months as our focus is on local redevelopment and infrastructure improvement projects which do not typically have extended durations. As such, we have the flexibility to manage the flow of smaller short-term projects in order to ensure that larger commitments to the Town of Lake Park could always take precedence. Tom McCarthy and Todd McLeod believe in a "hands-on" approach to managing our respective projects so that should the Town have an urgent need for our consulting services, they can expect to speak directly to either of us regarding their needs or concerns without fear of being delegated to junior staff members.

Question 3: Describe the delivery methods your firm uses or could use for pick-up/drop-off of packets and comments to Town staff when time is of the essence.

Response 3: We rely on two primary systems for delivering and picking-up documents and packages depending on the nature of the items being conveyed. If the situation calls for a simple pick-up or delivery of a package, we have a successful relationship with A Fast-Trac Courier, based in West Palm Beach, which typically couriers packages for us anywhere within Palm Beach



County in less than an hour for a nominal fee. If conveying a package necessitates more than just simple transportation, our office manager, Phoebe Saffold, often assists us with such items as notarizing documents, obtaining signatures, assembling/distributing packages, conveying instructions, etc.

Question 4: Describe your firm's approach in maintaining effective communication both internally and with municipal staff members; what are your expectations of the Town in order to maintain quality, two-way communications?

Response 5: Our desire to directly oversee our projects and stay in personal contact with our respective clients has led us to build a tight-knit collaborative firm where Todd and Tom are in frequent communication throughout each day regarding project management, design ideas, business issues, regulatory requirements, and overall goals.

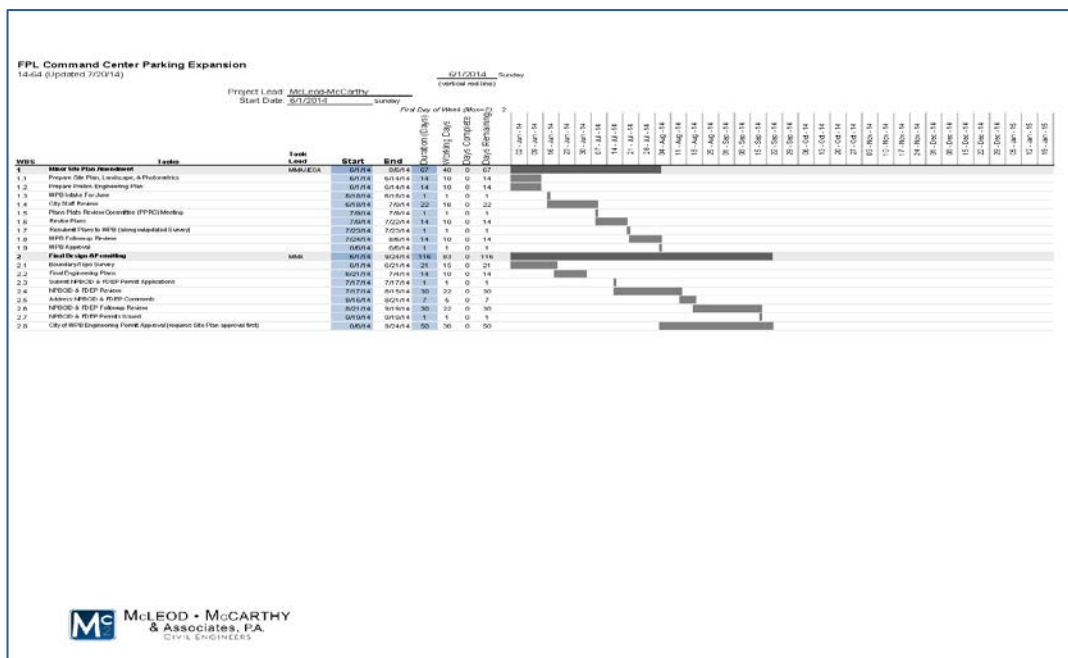
If we were to assist the Town on a capital project we would suggest a number of practices to maintain effective communication throughout the project. We have found that most frustrations and delays during engineering projects are ultimately due to poor communication. It is essential that the consultants understand the goals, both short and long-term, and budgetary constraints of a potential project. It is also important that the consultants provide honest feedback to the client about the practicality of the project including both a realistic budget and schedule. Once a scope, budget, and schedule are agreed-upon, it is essential that the consultants and client meet regularly throughout the design and permitting period to review progress, evaluate changes, and to review the budget and schedule. A similar process is needed during the construction phase to ensure that the construction team is proactively looking at upcoming issues so that they do not delay a project. Following is a typical sequence of coordination activities that MMA would



recommend to the Town for a capital improvement project. It's important to note that the following list is a summary of the major formal meetings associated with project development and that it is MMA's expectation that we will stay in regular email, phone, and personal contact with Town staff throughout the design, permitting, and construction phases.

Scoping Meeting: MMA will listen to the Town staff outline their ideas, goals, concerns, and constraints for a potential project. MMA will give our honest feedback regarding the options for achieving the Town's goals as well as anticipated cost range and timeline, based on our experience on similar projects. MMA will then provide Meeting Minutes for meeting, documenting items discussed as well as items left open for future research and investigation.

Pre-Design Meeting: Following completion of the scoping and contract approval process, MMA will facilitate a Pre-Design meeting with Town staff and appropriate subconsultants. We listen to Town staff outline their expectations for deliverables and project details and will incorporate them into a formal task-oriented schedule.



50% (Schematic) Design Meeting: Following submittal and review of the 50% Design Plans (Schematic level) MMA will facilitate a follow-up meeting to review comments, value engineering, budget implications, etc. MMA will compile comments and meeting feedback into formal comment matrix which will be used to provide line-by-line responses during the subsequent 65% design submittal. At this meeting, MMA will also provide an update on our initial outreach to affected public utility agencies (Seacoast Utility Authority) as well as private franchise utility providers (FPL, ATT, Comcast, etc.). We have found that franchise utility relocations and coordination are a frequent cause of project construction delays and that early communication between the owner, consultants, contractors, and utility companies minimizes or eliminates most of these issues.

65% Design Review: Following submittal and review of the 65% Design Plans, MMA will facilitate a second design review meeting to update comments, schedule, and budget status. At this point in the design process, permit applications will be ready for review and signature and MMA will be the regulatory permitting process with the appropriate agencies having jurisdiction. At this point, MMA should have received information from all utility providers regarding their existing facilities which might be impacted by the project. This information will be shared and discussed with Town staff and will be incorporated in the subsequent 95% design submittal.

95% Design Review: Following submittal and review of the 95% Design Plans, MMA will facilitate a third design review meeting to update any remaining comments and provide a final budget. At this point most regulatory approval should be in-hand and the consultants will be making any final revisions requested by Town staff prior to issuing the plans for bidding.

Pre-Bid Meeting: After the Town advertises the subject project for competitive bids, MMA will assist the Town with a Pre-Bid meeting to answer any questions from the bidders, provide value



engineering input, and address any Requests for Information (RFI) prior to the Town's receipt of competitive bids.

Pre-Construction Meeting: Following award of a bid, MMA will assist the Town with conducting a Pre-Construction Meeting with the appropriate consultants and contractors to discuss schedule, permits, inspections, expectations, safety, maintenance of traffic, community notice/involvement, and closeout requirements. MMA will provide the Town with a dedicated experienced field representative to be on-call to address inspections, phasing, and community issues.

Following is a summary of best communication practices which we would recommend for development review:

A "Kick-Off" conversation between Town staff and MMA regarding incoming development applications, case history, potential issues, and areas of special concern for the Town.

A thorough comprehensive written package of site plan or permit review comments from MMA and our team of consultants accompanied by a followup telephone conversation and/or meeting with staff to explain our analysis, finding, recommendations, and concerns.

A pre-construction telephone conference and/or meeting between MMA and Town staff to ensure that all team members are aware of upcoming development construction projects in the Town and any potential concerns or community impacts.



Question 5: Describe your firm's knowledge of FEMA flood maps and your Geographic Information Systems (GIS) capabilities.

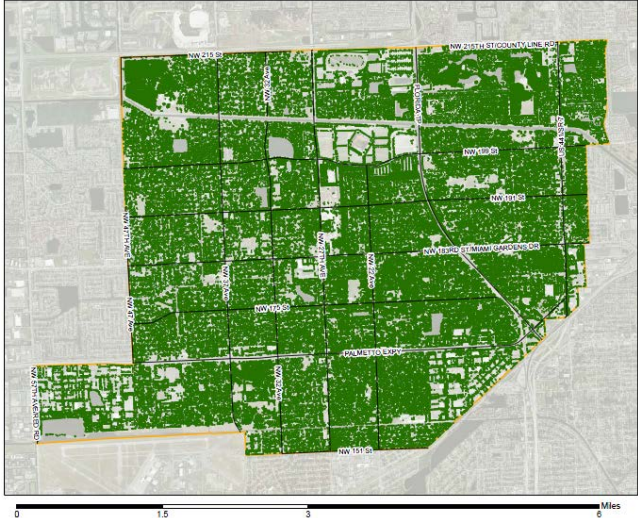
Response 5: MMA regularly uses the Autodesk AutoCAD Map software to manipulate and analyze GIS data such as georeferenced aerial photographs, Property Appraiser SHP files, flood data and topographic contours, and roadway SHP files from various public agencies and repositories. For more specialized or customized GIS applications we rely on the expertise of Florida Technical Consultants (FTC), our subconsultant firm which specializes in custom GIS applications for engineering and public works uses. In the following response to Question #6, we provide a summary of FTC's experience in writing custom GIS programs to address the individual needs of local municipalities.


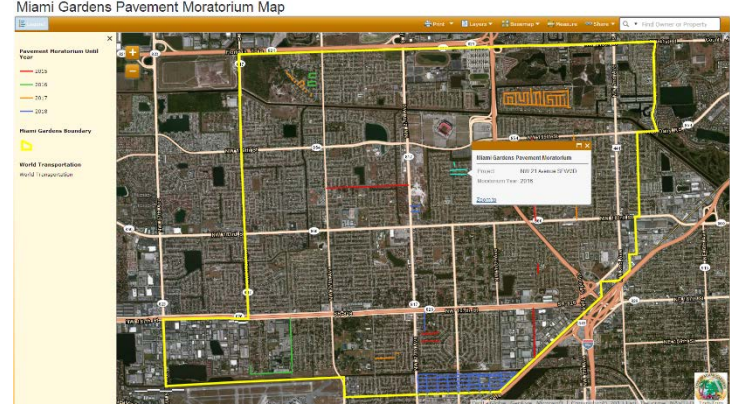

Question 6: Provide details of GIS programs you have created for clients for cataloging underground utilities, street sign, street light, and tree inventories, and NPDES maintenance records.



Response 6: The following table lists our team's experience customized GIS applications:

<p>Cooper City Mr. Michael Bailey 11791 SW 49th Street Cooper City, FL 33330 (954) 434-5519 mbailey@coopercityfl.org</p>	<p>FTC converted the entire City CAD Atlas to GIS. Systems included water, sewer and drainage. CAD text data was used to populate geodatabases. The systems were posted to ArcGIS Online and City field staff were trained in using Online to collect additional system information. 10/10/2014 – present</p> 
<p>Town Palm Beach Mr. William Francis 360 S. County Road Palm Beach, FL 33480 (561) 838-5440 WFrancis@TownofPalmBeach.com</p>	<p>FTC completed a pilot project converting the CAD Atlas to GIS. Systems included sewer and drainage. CAD text data was used to populate geodatabases. Geodatabases were built to create system profiles and perform sewer capacity analysis. 3/24/2014 present</p> 
<p>City of Boca Raton Utilities Ms. Talia Garcia 4101 Glades Road Boca Raton FL 33431 (561) 338-7307</p>	<p>Mr. Barton provided GIS services to the City of Boca Raton Utilities converting Water and Sewer Data from CAD to GIS. The data was migrated into the 10.2 Local Government Model Geodatabase. Geometric networks were set up and run for valve isolation and capacity analysis. FTC is presently migrating raw water and re-use water data. These will require modifications to</p>

TGarcia@ci.boca-raton.fl.us	the LGIM. These changes will be presented to ESRI in order to update the LGIM to support these systems. 1/1/2013 – present
Street Sign City of Marathon	Mapped and cataloged all street signs in City as part of roadway condition assessment. Created GIS shapefile with points for sign including sign type and text. 2005
Street Sign Islamorada, Village of Islands	Mapped and cataloged all street signs in City as part of roadway condition assessment. Created GIS shapefile with points for sign including sign type and text. 2003
Street Lights	It has been our experience that creating a GIS library for street lights is complicated by the fact there are several lights per pole or mast arm. Creating the initial data is best done through Van based data collection. The implementation process is similar to that outlined above for Street Signs.
Tree Inventory City of Miami Gardens Tree Canopy	The tree canopy of the entire City was mapped with polygons. Tree canopies can also be mapped through NAIP imagery, however it was not available at the time of this project. 
Tree Inventory Thousand Oaks HOA Riviera Beach	All trees in the neighborhood were mapped as part of a permit to remove trees causing damage to infrastructure.
City of West Palm Beach Stormwater Maintenance Tracking Implementation	Created NPDES tracking geodatabase and posted GIS to ArcGIS Online with pulldowns for maintenance tracking. The City has not yet implemented the database information which was created.

<p>Pending</p>	<p>West Palm Beach Stormwater Atlas</p> 
<p>Miami Gardens Asphalt Overlay Tracking</p>	<p>Built asphalt overlay layers for City to track “no-build” roads and provide information to residents and contractors.</p> <p>Miami Gardens Pavement Moratorium Map</p> 
<p>Miami Gardens NPDES Maintenance Tracking</p>	<p>Build NPDES Tracking for storm structure cleaning and major outfall inspection scheduling in order for the City to easily track and comply with their NPDES requirements.</p> 

Question 7: Describe your Quality Assurance/Quality Control protocols including oversight of sub-consultants' work.

Response 7: MMA expects a high level of service and professionalism from our subconsultant firms. Deliverables are required from our consultants typically one week in advance of our submittal to the client in order for us to have sufficient time to review the documents for consistency, accuracy, and constructability. Although MMA's experience is broad, we also rely on contract professionals to evaluate documents for constructability and practicality prior to construction. Jim Snelgrove, our Construction Coordinator, brings over 40 years of public works construction experience to our firm. He has served as the Director of Construction Coordination and the Director of the Road & Bridge Division for the Palm Beach County Engineering & Public Works Department. His experience is invaluable in reviewing construction documents prior to bidding or construction. These reviews typically include site visits to review construction plans and specifications against the real world field conditions.

Question 8: Describe how your firm would study, report, and provide engineering estimates for stormwater line remediation, right-of-way repairs (i.e., pavement, curb, gutter, and sidewalk elements), and landscaping renovations.

Response 8: Historically, a substantial portion of our firm's work has been with local property owners' associations in evaluating and restoring their communities' roadways, curbing, sidewalks, drainage culverts, lakes, bulkheads, landscaping, and recreational areas. When evaluating these infrastructure and community elements, we typically recommend an upfront engineering analysis using visual field reviews, pavement corings (if appropriate), culvert videoing, and as-built record drawing reviews to understand the age, original design, and current



condition of the subject project elements. This upfront review typically includes an Engineer's Preliminary Opinion of Costs to give the client an "order-of-magnitude" understanding of the potential costs of the project. These cost opinions are often prepared with help from local contractors and using information from recent similar MMA projects.

We find that our private neighborhood clients are very similar to our public agency clients in their needs and concerns. Both are looking for long-term quality solutions to enhance and preserve their community infrastructure, but are typically constrained by fixed community or departmental budgets. Both are also very sensitive to the impact of construction projects on residents, local traffic, and pedestrian accessibility. We have recently completed a wide variety of these types of projects which may prove relevant to the Town's needs. Examples include:

Sea Oats Culvert Rehabilitation – MMA analyzed over 3,600 LF of deteriorating metal drainage culverts within the Sea Oats community in Juno Beach, Florida. All preconstruction culverts videos were reviewed by MMA and ultimately a cured-in place pipe (CIPP) rehabilitation option was recommended to the community. The CIPP process was similar in cost to replacement of the culverts, but did not require cutting and patching the existing roadways and most roadways remained completely open during the CIPP installation process.

Street Improvements (Boca Springs, Sea Oats, Meridiana at Boca Pointe, etc.) – MMA has worked with many of the private local communities to evaluate the pavement and curbing within their roadways, provide preliminary budgeting and recommendations, design improvements, oversee bidding, and provide construction administration. These projects typically include a visual review of the asphalt for areas of raveling, spalling, and cracking as well as potential baserock issues. Plans are prepared detailing milling/resurfacing specifications, areas of baserock



replacement, curbing/gutter installation or replacement, and signage/stripping improvements. The bidding contractors and owner are typically provided with specification booklets and project quantities to ensure that all bids are consistent and comparable.

Admiral's Cove Sight Distance Analysis – MMA has been the Engineer-of-Record for an ongoing multi-year effort to perform sight distance analyses for every street intersection with the Admiral's Cove subdivision. This includes a visual inspection of the intersection, selection of the appropriate sight distance criteria (i.e. Town of Jupiter, FDOT, or Palm Beach County) , and preparation of a drawing depicting the require lines-of-sight. The Admiral's Cove property managers then use these documents to relocate landscaping and other obstructions from the sight triangles and improve safety.

Question 9: Detail your experience preparing Master Plans for roadway and stormwater improvements?

Response 9: MMA has recently completed a stormwater master plan and long-term phased improvement plan for School District of Palm Beach County's South Transportation Facility. The Plan provides for resolving long-standing drainage problems for the Transportation Facility and South Tech Charter School sites, expanding the bus maintenance and administrative facilities, improving site vehicle and pedestrian circulation, and separating the Facility from the adjacent South Tech Charter School campus. Following completion of the South Facility Master Plan, MMA is beginning long-range master planning for the West Central Transportation Facility in Royal Palm Beach, the West Transportation Facility in the Glades, and East Central Facility in Riviera Beach.



Specific Project Considerations Included:

- *Analysis of site flooding problems and required retrofit improvements*
- *Conceptual Drainage Design to evaluate separating the South Tech and Bus Facility drainage systems*
- *Long-Range planning and cost estimating for expanded bus parking and circulation*
- *Planning and analysis of Maintenance Building expansion*
- *Project phasing planning to allow the facility to stay in operation during construction*
- *Pre-application meeting and coordination with the Lake Worth Drainage District*
- *Coordination of survey consultant to obtain necessary topographic information and address potential property boundary (LWDD Chancery Case) issues*
- *Review of site water/sewer record drawings to plan future buildings around existing utility infrastructure*

In addition, we have prepared and implemented an intermediate-term multi-year roadway and infrastructure rehabilitation master plan for the Lost Tree Village community. This project took place over 8 years and included street rehabilitation, curb/gutter installation, pump station reconstruction, and drainage retrofits for the 350 acre residential community which included ultimately over 5 miles of roadway improvements.



Question 10: What is your experience providing services related to NPDES annual report preparation and auditing?

Response 10: Our Engineers have experience working with other local municipalities in assembling National Pollutant Discharge Elimination System (NPDES) information for annual reporting. The report elements we have typically been involved in reviewing and assembling include best management practices (BMP's) related to reducing pollutant discharges. Our typical BMP review has included such elements as mowing, street sweeping frequency, drainage structure sediment removal, construction site monitoring/reporting, dust management, and erosion control.

Question 11: Does your firm have experience supporting a Stormwater Utility such as establishing and confirming ERU assessments, providing assistance with certification of the Non -Ad Valorem Tax Roll, and performing rate studies in support of system improvements?

Response 11: Although MMA has not had the privilege to perform these specific project tasks, we are familiar with local municipal stormwater utility programs and have interacted with their ERU calculation methodology and billing practices.

Question 12: What is your experience with the Seacoast Utility Authority?

Response 12: MMA has completed many projects which are supplied by the Seacoast Utility Authority (SUA) water and wastewater systems. We are fortunate to have a positive professional relationship with Jim Lance and John Callaghan of SUA and have worked with them and their field representatives to install new water and wastewater infrastructure, rehabilitate existing infrastructure, and implement creative solutions when working within tight project constraints.



APPENDIX A

PROJECT TEAM RESUMES



Todd N. McLeod, P.E., LEED-AP



Mr. McLeod is the President of McLeod, McCarthy & Associates, PA, managing private and public development and infrastructure improvement projects. Mr. McLeod received his Bachelor of Science in Civil Engineering from the University of Florida and a Graduate Certificate in Urban & Regional Planning from Florida Atlantic University. He is a member of the South Florida Water Management District's Regulatory Peer Review Committee, the City of West Palm Beach Planning Board, and has been the Engineer-of-Record for numerous projects throughout the state.

EDUCATION

BS Civil Engineering
University of Florida
2004

Graduate Certificate, Urban & Regional Planning – Florida Atlantic University, 2008

YEARS OF EXPERIENCE

11 Years in Palm Beach County

REGISTRATIONS

Professional Engineer, Florida 69188

LEED Accredited Professional

AFFILIATIONS

Florida Engineering Society

American Society of Civil Engineers (Past-President)

City of West Palm Beach Planning Board

South Florida Water Management District – Peer Review Committee

AWARDS

ASCE Civil Engineer of the Year, Palm Beach, 2012

Young Engineer of the Year – FES Palm Beach, 2010

President, McLeod, McCarthy & Associates, P.A. January 2014- Present

- Effective January 1, 2014, the firms of Clark & McCarthy Engineers, P.A. and One Evergreen merged to become McLeod McCarthy & Associates, P.A. The firm is providing general civil engineering services to select private and public clients.

Principal, One Evergreen, June 2011 – December 2013

- Founder and Principal of development and civil engineering consulting firm with offices in Zephyrhills, FL and West Palm Beach, FL. Responsible for engineering project management, coordination of consulting work, and business development in South Florida.

Project Manager, Civil Design, Inc., April 2006 – June 2011

- Project Manager and engineer for small to mid-size civil engineering and land development projects in Palm Beach County and the Treasure Coast. Engineer-of-Record for numerous private and public engineering projects including the 136 acre Coleman's Landing facility for the SFWMD.

Project Engineer, Miller Legg, August 2004 – April 2006

- Project Engineer for land development and roadway design projects in Palm Beach County. Assisted licensed engineers with paving, grading, drainage, water, and sewer design, permitting, and construction administration.

Relevant Project Experience

- Center Street Drainage Improvements- Palm Beach County Engineering Services
- South Golfview Road Street Improvements- City of Lake Worth
- Latona Avenue Street Improvements- City of Lake Worth
- FPL Command Center – FPL / NextEra
- South Transportation Facility – School District of Palm Beach County
- Lake Kissimmee Boat Ramp & Day Use Facility - SFWMD



EDUCATION

MS Business Administration
Florida Atlantic University
1984

BS Civil Engineering
University of Florida
1958

YEARS OF EXPERIENCE

Engineering: 40+ years
Town of Palm Beach
Mock Roos
Tom McCarthy Consulting
Engineer
Clark & McCarthy Engineers

REGISTRATIONS

Professional Engineer,
Florida 6998

Professional Surveyor/
Mapper, Florida (inactive as
of Feb. 2003)

AFFILIATIONS

National Society of
Professional Engineers

Florida Engineering Society

American Society of Civil
Engineers

Urban Land Institute

Mr. McCarthy has been a consulting engineer for over 40 years. For 26 years he was a principal in a 60-person firm and was president of the firm for eight years. In 1997 he started his own company with emphasis on client relations and hands on design and management. The company has successfully completed a number of significant projects with a small highly experienced staff. It offers superior Knowledge, Experience and Value.

Vice President, McLeod, McCarthy & Associates, P.A. 1/1/14- Present

- Effective January 1, 2014 we merged the firms of Clark & McCarthy Engineers, P.A. and One Evergreen into McLeod, McCarthy & Associates, P.A. Mr. McCarthy was President of the firm for calendar year 2014. He is currently Vice President. The firm is providing general civil engineering services to select private and public clients.

President, Clark & McCarthy Engineers, P.A. 2009 – 1/1/14

- Sea Oats Home Owners Association, Inc. The HOA hired CMc to prepare contract documents for road improvements. During the design phase it was discovered that the entire storm drain system, composed of corrugated steel pipe, was distressed and had to be repaired prior to the road improvements. Our scope was expanded to include the storm sewer repairs. We selected cured in place lining for the repairs. We prepared contract documents, bid both the road improvements and the lining projects and provided construction phase services. Both projects were satisfactorily completed for a total cost of approximately \$500,000.
- Egger Residence Site/Civil Engineering. This home in Palm Beach was designed to meet Platinum Level LEEDS Certification. The Site/Civil design includes a 3000 gallon underground cistern for irrigation purposes.
- Islands of Jupiter Roadway Improvements. Inspected 1.8 miles of existing roadways, designed improvements and oversaw construction.
- Cypress Lakes Roadway Improvements. Inspected 1.5 miles of existing roads, designed improvements and oversaw construction.
- Seagull Cottage/Royal Poinciana Chapel. Prepared Site/Civil Construction Drawings and provided Construction Phase Services for Restoration and Additions to Seagull Cottage (a landmarked building) and Modifications to Royal Poinciana Chapel in the Town of Palm Beach

President, Tom McCarthy Consulting Engineer, Inc. 1997 - 2009

- Palm Beach State College. The College uses our services for review of civil construction drawings by others and on certain permitting issues..
- Juno Beach Town Engineer. Supplied municipal engineering services.
- Jonathan's Landing Roadway Improvements. Inspected approximately 5 miles of



COMMUNITY AFFAIRS

*Councilor, Town of Jupiter,
1988 – 2001*

*Past President, Palm Beach
County League of Cities*

*Village of North Palm Beach
Contractor's Board*

*City of West Palm Beach
Contractor's Board*

*Past President and current
member, YMCA Board of
Directors*

*Past President and current
member, Forum Club*

Member, Economic Forum

existing roads, designed improvements and refurbishment, and oversaw improvements of the entire road system.

- Lost Tree Village. Prepared an infrastructure evaluation covering existing roads, drainage, water distribution system and sanitary sewer system. Developed a three-year road and drainage improvement program for approximately 6 miles of roads.
- Ballantrae Planned Unit Development. Inspected approximately 6 miles of roads, sidewalks and associated drainage and developed a multiyear improvement program.
- The Lawrence Group. Served as site/civil engineer on the Neiman Marcus Worth Avenue Palm Beach Store, Il Lugano and Bellaria condominiums, and dozens of private residential projects in the Town of Palm Beach..
- SKA Architects. Provided the site/civil portion of construction drawings for approximately 50 private residences, primarily in the Town of Palm Beach
- The Everglades Club Golf Course Reconstruction and Storm Sewer System.. Provided civil engineering services on the Golf Course Water Management System.
- The Breakers Palm Beach, Inc. Supplied Civil Engineering on site improvements, including Golf Course Reconstruction, Stormwater Management System, Entrance Road Reconstruction, Construction of the A-4 Bypass Pumping Station.

Mock Roos, Principal, President (8 years), Vice President and Senior Project Manager, 1971 – 1997. Provided design and project management services for the following projects:

- Quail Ridge, a 1,000-unit PUD golf course community
- Harbour Ridge Golf and Yacht Club, a 700-unit PUD (DRI)
- Vista Center, a 600-acre Planned Industrial Park (DRI)
- Ballantrae Golf and Yacht Club, a 595-unit PUD
- Addison Reserve, an 800-unit PUD golf course community.

Town of Palm Beach, Town Engineer Consultant, 1978 – 1986

Palm Beach County, Assistant County Engineer, 1961 – 1965

Gainesville, Florida, Assistant City Engineer, 1958 –1961



Mr. Snelgrove has more than 40 years of engineering and survey related experience specializing in stormwater and roadway design and construction.

YEARS OF EXPERIENCE

Palm Beach County

39 years

Construction Inspection

6 years

Related Experience

McLeod, McCarthy & Associates, P.A. 2014 - Present

Various Projects. Performed construction inspections as required.

Clark & McCarthy Engineers, P.A. 2009 - 2013

Various Projects. Performed construction inspections as required.

Tom McCarthy Consulting Engineer, Inc. 2004 - 2009

Various Projects. Performed construction inspections as required.

Snelgrove Inspections, Inc. 2004 - Present

Various Projects. Performed construction inspections as required.

Director, Palm Beach County Road and Bridge Division 1979 -

2001, Managed a department with 210 employees. The department was responsible for the maintenance of 1200 miles of roadway, 250 fixed bridges and 9 moveable bridges with an annual budget of over \$12,000,000.

Director, Palm Beach County Construction Coordination Division

1973-1979, Responsible for all activities associated with the construction of roads, bridges, airports and parks. Duties included training staff, budgeting for projects, reviewing and approving plans, reviewing construction progress, administering grants and funds from outside agencies, and regular updates to the County Engineer.

Supervisor of Field Representatives, Palm Beach County

Department of Engineering 1969 - 1973, Responsible for the supervision and training of field representatives as it relates to the construction observation and testing of road, bridge and building construction including safety practices.

Engineering Field Representative, Palm Beach County of

Engineering 1962-1969, Observed and tested roadway and bridge construction projects.



Jon E. Schmidt and Associates

Landscape Architecture and Site Planning

Jon Schmidt, ASLA, LEED AP, President, Registered Landscape Architect

Education Level:

B.S. Landscape
Architecture
Ohio State University
School of Engineering
1992

Certifications:

State of Florida Reg.
Landscape Architect
Lic. No. LA0006308

Certified LEED AP

Years Experience:

21

Awards:

FLASLA Honors Award
for a Private Equestrian
Residence located in
Wellington, FL 2014

Green Building of
America Award for Safe
and Secure Automated
Self Storage Facility 2009

Excellence in
Construction Award from
Associated Builders &
Contractors Florida East
Coast Chapter, 2006

The Delray Beach Site
Plan Review and
Appearance Board
(SPRAB) for New
Industrial Mixed
Development, 2004

AIA Excellence in Design
Award for International
Polo Club of Palm
Beaches, 2002

ASLA Merit Award for
Chadwick Arboretum,
1991

PROFESSIONAL EXPERIENCE SUMMARY

Jon E. Schmidt is an award winning Landscape Architect, registered in the State of Florida, a LEED AP certified professional and a member of the American Society of Landscape Architects and Palm Beach County Planning Congress. He sits on the Palm Beach County DRO Oversight Committee, an ad hoc committee comprised of agents who assist staff in addressing code conflicts and making recommendations to the Zoning Review process in Palm Beach County. Jon Schmidt is committed to delivering the highest standards of design quality and professional services to his clients.

RESPONSIBILITIES WITH JON E. SCHMIDT & ASSOCIATES, INC.

Mr. Schmidt acts as lead consultant directing all planning aspects and strategic outlining, as well as implementation of site design on a wide variety of projects throughout South Florida. These projects range from mixed use, industrial, and commercial to private clubs and equestrian facilities development projects. His experience includes all aspects of entitlement, such as due diligence, site analysis, detailed design, master planning and public representation. Jon's expertise in the land planning aspects resonate with an in depth review of long range comprehensive goals to identify opportunities for compliance, as well as consistency with the Land Development Codes, which provides the additional framework, compliance and standards for implementation of the Comprehensive Plan; He conducts analysis to outline implementation of development opportunities with regard to Historic Preservation, transfer of development rights and design standards to implement a well balanced, economically viable project that sets standards for future developments to follow.

PRIOR EXPERIENCE

2000 - Present JON E. SCHMIDT & ASSOCIATES, INC.

1996 - 1999 KILDAY & ASSOCIATES, INC.

1994 - 1995 WARREN E. McCORMICK

1992 - 1994 LAND DESIGN SOUTH

PROFESSIONAL AFFILIATIONS

Palm Beach Chamber of Commerce, Trustee

South Florida Science Center and Aquarium, Trustee

American Society of Landscape Architects (ASLA)

Palm Beach County League of Cities

City of West Palm Beach Historic Preservation, Vice Chair 1997 – 2002

US Green Building Council

Palm Beach County Planning Congress

Palm Beach County DRO Oversight Committee

Economic Forum of Palm Beach County

1st United Bank Executive Committee, 2007 - Present

Leadership West Palm Beach, Class of 2011

Palm Beach County Fire Stations No. 44, 32, 22 & 73. Landscape Design Concepts, Landscape Plans and Irrigation Plans, Construction Documents for facilities located throughout Palm Beach County.

Palm Beach County Tax Collector's Office, Landscape Design for the Entry Features, as well as the Utilities Screening for this Palm Beach County project located in Lake Worth, FL

City of Sebastian Municipal Complex, Landscape Design, Pedestrian and Lighting Layout, Hardscape Design and Site Furnishings Palette for City Hall, Police Station EOC Expansion and Municipal Complex in the City of Sebastian, FL.

Town of Haverhill Plan Review, Planner for Town of Haverhill providing review of proposed projects as directed by Town Staff, Preparation of Town of Haverhill Code Language; Preparation of Plan Review Comments, Certification Letters and Staff Reports in relation to the Town of Haverhill Code and Ordinances., Attendance at Town Code & Ordinance Hearings, Workshops and Public Hearings.

Town of Haverhill Capital Improvements Update, Analysis of the level of service standards and the 5- and 10-year schedule of improvements while addressing the budgetary constraints of the Town; Prepare and submit the annual update to the Town Capital Improvements Element of their Comprehensive Plan as required by Florida State Statute.

Town of Haverhill Belvedere Road, Planner providing services related to the Town's opposition of the widening of Belvedere Road from 4 lanes to 6 lanes within the Town's boundaries; Public Representation of the Town of Haverhill as they continue their opposition through a formal request to the Board of County Commissioners to initiate the reduction.

Town of Lake Park Plan Review, As the Town's Planner we reviewed site and landscape plans, as well as lighting plans, for numerous projects for adherence to the Town's Code of Ordinances related to Comprehensive Land Use Change, Re-Zoning and Site Plan approvals.

Westgate/Belvedere Homes CRA, As the Planner providing Planning and Property Development Services to the CRA, services include site planning, design, the preparation of construction documents, assistance to the CRA staff regarding bidding, permitting, and construction administration services for various projects intended to implement the Westgate/Belvedere Homes Community Redevelopment Plan

City of Delray Beach Plan Review, Review of Site Plans and Landscape Plans for adherence to the City's Code of Ordinances as requested by Planning & Zoning Staff at the City of Delray Beach, FL.

Village of Wellington Plan Review, Review of Site Plans and Landscape Plans as part of the development review committee on a continuing contract basis, Village of Wellington, FL.

Village of North Palm Beach, Code Sections 45.2 (Definitions) and 45.38 (Light Industrial District), Providing assistance to Village of North Palm Beach Planning Division with Light Industrial Code Language which was recommended by Planning Commission for adoption in May, 2011.

Palm Tran Public Transportation, Landscape Design for parking lot buffer that depicts current location of plant material, as well as the proposed landscape material for this Palm Beach County project located in West Palm Beach, FL

Florida Power & Light Riviera Beach Energy Plant, Final Site Plan Approval Applications for new 24,000 square foot gas compressor station as well as Site Plan and Landscape Plans for this project located in the City of Riviera Beach, FL.

Florida Power & Light's West County Energy Center (WCEC) Provided services relating to Development Order Amendment Application Approval, as well as the Concurrency and Final Site Plan Approvals through Palm Beach County for a 20,000 square feet Administrative Support space expansion of the WCEC.

Florida Power & Light Martin Lateral Pipeline, Landscape Buffer and Cross Sections, as well as Color Aerial Graphics for the purpose of engaging local officials for approval of a proposed pipeline route located at Caloosa and Belline Hwy in West Palm Beach, FL

Palm Beach County, Glades Airport, Landscape Plan design for General Contractor to obtain Building Permits for this private hanger located in Pahokee, FL

North County Airport, Pegasus Terminal, Final Site Plan Approval, Site Plan and Alternative Landscape Betterment Plan design for a 17,200 square foot private hanger on property owned by the Palm Beach County Department of Airports to build and operate an aircraft management facility at the North County Airport located in Lake Worth, FL.

South Florida Science Museum Expansion, Provided for Due Diligence purposes, as well as Site Plan Approval and public representation, Preparation of Site Plan and Landscape Plans and acted as Client Representative for expansion and remodel that includes a new entrance lobby, aquarium space, exhibit areas, classroom/lab and building support areas, as well as restrooms, café, gift shop and ticking area on the existing site located in the City of West Palm Beach, FL.

Florida Public Utilities, Preparation of Application for Site and Development Plan Approval, as well as Special Exception Application for the Service/Gas Station use and Light Industrial use (Warehouse) and Variance Application to allow overnight parking of vehicles outdoors, Landscape and Irrigation Plans for this Public Utility and Future Service Station located within the Village of Palm Springs

Andrea M. Troutman, P. E. President

WORK EXPERIENCE

Ms. Troutman is responsible for the daily management of the office, including all financial aspects, completing proposals, bids and overseeing staff. In addition to office management, Ms. Troutman is responsible for traffic engineering and transportation planning analysis for both private and public sector projects including the technical analysis, report preparation and presentation at agency review meetings. Ms. Troutman has extensive experience with various computer programs including FSUTMS, Highway Capacity Software and FDOT LOS software including ART-PLAN.

REPRESENTATIVE PROJECTS

Corridor Studies

Ms. Troutman has completed numerous corridor analyses throughout Palm Beach County. These studies include traffic projections and analyses for CRALLS designations and Corridor Master Plans including most recently SR 7 and Belvedere Road. PTC was also selected by Palm Beach County to complete the Boynton Beach Corridor Master Plan. Other studies include the analysis of the extension of Australian Avenue north of Blue Heron Boulevard. Long range modeling was undertaken to determine the impacts of the extension.

Wellington Review

PTC is the general consultant for Wellington, responsible for reviewing traffic concurrency statements for compliance with Wellington's comprehensive plan and concurrency regulations. The firm also advises Wellington on other transportation issues regarding circulation, access and traffic calming. The transportation impacts of Wellington's EAR were completed by PTC. Ms. Troutman is the firm's representative to Wellington.

Palm Beach County Continuing Services

PTC has been a sub-consultant for Palm Beach County's Facilities and Property Real Estate Management Divisions for over eight years, addressing traffic engineering and transportation planning issues. Ms. Troutman has completed numerous due diligence traffic analyses for property acquisition and development for libraries, jails, parks, sheriff's substations and fire stations. The completion of transportation analyses for the DRI submittal land use amendments and concurrency for the Scripps site at Mecca were included in this contract.

Traffic Impact Studies

Ms. Troutman has completed numerous concurrency traffic studies in Palm Beach, Martin and St. Lucie Counties. These analyses include determination of impacts and capacity analyses of roadways and intersections within each project's study area. Roadway and intersection improvements, mitigation strategies and proportionate share calculations were often included to address any level of service deficiencies.

PROFESSIONAL HISTORY

Ms. Troutman has 28 years of traffic and transportation engineering experience. Before founding Pinder Troutman Consulting, Inc. in 1998, she worked for nearly ten years on projects throughout South Florida for another consulting firm. Her experience included the preparation of signing and marking plans and signalization plans for several projects. She performed technical analyses for traffic impact studies including intersection and roadway link capacity analyses, as well as traffic modeling.



REGISTRATION:

*Professional Engineer:
State of Florida #45409*

EDUCATION:

*Bachelor of Science
Civil Engineering:
University of Miami / 1987*

AFFILIATIONS:

- *Institute of Transportation Engineers*
- *Florida Engineering Society*
- *Palm Beach County Planning Congress*

TOTAL YEARS OF EXPERIENCE: 28

PTC

**Transportation
Consultants**

*2005 Vista Parkway
Suite 111
West Palm Beach, FL
33411*

*Phone (561) 296-9698
Fax (561) 684-6336*

www.pindertroutman.com

Rebecca J. Mulcahy, P. E. Vice President

WORK EXPERIENCE

Ms. Mulcahy is responsible for traffic engineering and transportation planning analysis for both private and public sector projects including the technical analysis, report preparation and presentation at agency review meetings. Ms. Mulcahy has an extensive background in traffic signal warrant studies, traffic signal design, signal timing, and traffic operations. She has experience in various computer programs including Highway Capacity Software, Synchro, and FDOT LOS software, including ART-PLAN and HIGHPLAN.

REPRESENTATIVE PROJECTS

Traffic Impact Studies

Ms. Mulcahy has completed numerous traffic studies in Palm Beach, Martin, St. Lucie and Indian River Counties. As part of a few traffic impact studies, Ms. Mulcahy has developed site circulation and traffic operations plans for project events. Among these are schools, churches and theaters. Ms. Mulcahy also conducted a comprehensive areawide study of the future buildout conditions of the Town of Jupiter. The analysis included determination of impacts on roadways and intersections and development of mitigation alternatives.

City of Palm Beach Gardens Review

PTC is the general consultant for the City of Palm Beach Gardens, responsible for reviewing traffic concurrency statements for compliance with the City of Palm Beach Gardens' concurrency regulations. Ms. Mulcahy has reviewed traffic studies for private development projects, such as daycare facilities and a charter school, which included traffic concurrency, traffic circulation, and access.

School Traffic Studies

Ms. Mulcahy has completed numerous concurrency traffic impact studies for new and expanded public schools and private schools. The majority of these projects were for the Palm Beach County School District. As part of these studies, Ms. Mulcahy developed site circulation plans for vehicular traffic, including buses, staff and parents. Traffic operation issues at school driveways were also addressed. One traffic study, the new Suncoast High School, also included an areawide traffic study of the three schools located within close proximity.

Traffic Signal Warrant Studies

Ms. Mulcahy has conducted and reviewed hundreds of signal warrant studies within Palm Beach County involving State, County and local roads. Prioritization lists were developed on a yearly basis for all studies performed. Currently, she conducts signal warrant analyses for private developments and public agencies.

PROFESSIONAL HISTORY

Ms. Mulcahy has 30 years of traffic and civil engineering experience. She has been with Pinder Troutman Consulting, Inc. for thirteen years. Prior to that, Ms. Mulcahy worked for Palm Beach County for over nine years as the County's Traffic Signal Engineer. She also worked for another consulting engineering firm involved with roadway design, signing and pavement marking plans, transportation planning and site planning. Ms. Mulcahy also has experience working for a public utility company in Illinois.



REGISTRATION:

*Professional Engineer:
State of Florida #42570*

EDUCATION:

*Bachelor of Science
Civil Engineering:
University of Missouri –
Rolla / 1985*

AFFILIATIONS:

- *Institute of
Transportation
Engineers*
- *American Society of
Civil Engineers*

**TOTAL YEARS OF
EXPERIENCE: 30**

PTC

**Transportation
Consultants**

*2005 Vista Parkway
Suite 111
West Palm Beach, FL
33411
Phone (561) 296-9698
Fax (561) 684-6336
www.pindertroutman.com*

Education

Bachelor of Science, Civil Engineering, Queens University (Canada), 1990

Registration

Professional Engineer, Florida, 59257, 2003

Professional Affiliations

American Society of Civil Engineers
American Water Works Association
Florida Engineering Society
Urban and Regional Information Systems Association (URISA)

Certifications

ESRI Authorized Trainer
LEED Accredited Professional

Mr. Barton has over 20 years of engineering experience both internationally and domestically. The main focus of his international experience includes engineering design and project management of water and sanitation programs, including water resources, infrastructure rehabilitation and GIS implementation. His domestic experience includes environmental engineering, utilities and road construction. Mr. Barton routinely integrates GIS technology with engineering. He is working with ESRI developing software tools to assist in detail design and is experienced with implementing GIS/GPS for construction field inspection. He is currently studying towards a Certificate in Integrated Watershed Management and a Certificate in Visual Planning (GIS Technology).

He has been using GIS in engineering since 1999 and became an ESRI Authorized Trainer in 2003. Since then, he has provided training to over 75 students in various organizations and disciplines. His specialty is training for people specializing in utilities, public works and engineering, but he has also trained fire, police and city administration. He started using GIS in his day-to-day activities for simple outputs such as construction maps for contractors and public information campaigns. This led to using GIS for permit maps, analysis and project planning for proposals and finally design projects. In 2004, he started working with ESRI developing GIS tools that could be used for detailed design and transferring data out of and into the CAD environment. These tools have been presented at numerous conferences and user group meetings.

One of the latest developments is linking design tools with existing LIDAR data. This allows for conceptual design with real elevations without the survey, taking survey out of the critical path of project planning.

Training

- Chen and Associates, 2004, 2005
- Islamorada, Village of Islands, 2005
- City of Sunrise, 2006
- City of Marathon, 2006, 2009
- Monroe County Property Appraisers Office, 2006
- Wantman Group, 2007
- Florida Keys Aqueduct Authority, 2007
- City of Dania Beach, 2007
- City of Miami Gardens, 2009
- Coral Springs Utilities 2011

Mr. Barton also founded the Florida Utility User Group, which works on integrating GIS technology into engineering. The group currently has over 300 members.



The following is a list of all presentations Mr. Barton has given:

Presentation	Organization	Location	Date
Use of GIS in Construction Mgmt.	GIS Expo	West Palm Beach	October 2005
Data Design Tools	SERUG	Jacksonville	April 2006
GIS in Engineering	ESRI UC	San Diego	August 2006
GIS in Engineering	URISA	Vancouver	September 2006
GIS in Engineering	GIS Forum	West Palm Beach	July 2006
GIS in Engineering	Broward GIS User Group	Broward County	October 2006
Capacity Analysis for W/W Systems	SERUG Utilities		June 2006
GIS in Engineering	FDOT Engineering	Broward	May 2006
GIS in Engineering	SEFLUC	Broward	November 2006
Capacity Analysis for W/W Systems	GIS Expo	West Palm Beach	October 2006
GIS in Engineering	APWA	Doral	January 2007
GIS in Engineering	GAURISA	Atlanta	February 2007
GIS in Engineering	ESRI UC Survey Summit		July 2007
GIS in Engineering	ASCE State Conference		August 2007
GIS for Public Works	APWA		July 2013
GIS for Public Works	FES webinar		July 2013
GIS for Public Works	SWANA		July 2013
GIS for Transportation	ITE	Broward	April 17 2009
GIS for TMDL	APWA	Orlando	May 4 2010
GIS for Geotech	Private	West Palm Beach	2011
GIS for Planners	APA	Town Palm Beach	Sept 7 2011
GIS for TMDL	FSA	Sanibel	April 28 2011
FUUG	SF Expo	PBC	October 2011
GIS for PW	APWA PBC	LW	2012
FUUG	SF Expo	PBC	October 2012
GIS for PW	APWA PBC	Boca	2013
GIS for Utilitites	FES	Orlando	2013



Presentation	Organization	Location	Date
GIS for Solid Waste	SWANA	Sarasota	July 19 2013
FUUG	SF Expo	PBC	October 2013
GIS for PW	APWA State	Fort Lauderdale	2014
GIS for Eng	ASCE PBC	PBC	2014
FUUG	SF Expo	PBC	October 2014

Professional Employment History

1982 to Present – Lidberg Land Surveying, Inc.

Responsible for all areas of corporate management, marketing and client development associated with the daily operations of a mid-size land surveying firm. In this capacity, Mr. Lidberg has proven technical expertise in surveying matters related to boundary, topographic and hydrographic surveys, all aspects of building, highway and land development projects, as-builts and cross-section surveys, preparation of record plats, mean high water determinations and expert witness in both public hearing and litigation matters.

1978 – 1982- Kenneth L. Scrape, Inc., Lake Park, Florida

Office Manager, Field Crew Coordinator

Responsible for the supervision of and interaction between survey field crews, computer technicians and the drafting department to ensure the accuracy and completeness of survey and mapping projects.

1975 – 1978 – William G. Wallace, Inc., North Palm Beach, Florida

Survey Party Chief

Responsible for all phases of field work; lot surveys, large tract surveys, topographic surveys, building and highway construction staking and as-builts.

1966-1975 – Anderson – Robartes Land Surveyors, Canandaigua, New York

Survey Technician, Party Chief

Participated in all types of survey projects, courthouse research, field work, computations and drafting.

Education and Registration

Palm Beach Community College, Land Surveying I, II and III; Legal Aspects; Legal Descriptions 1979

Completion of all seminars and technical sessions required by the Board of Professional Land Surveyors.
Courses in Computer Aided Design and Small Business Management

Professional Surveyor & Mapper: State of Florida No. 3613, 1980

Professional Organizations

American Congress on Surveying and Mapping

National Society of Professional Land Surveyors

Florida Surveying and Mapping Society, President 1995-1996

Civic Activities

Jupiter-Tequesta-Juno Beach Chamber of Commerce

Florida Chamber of Commerce

Loxahatchee Historical Society

Jupiter/Tequesta Athletic Association Baseball Sponsor

Professional Employment History

1992 to Present – Lidberg Land Surveying, Inc.

Responsible for all aspects of calculations and computation of construction layout, as-built, hydrographic, metes and bounds, quantity, subdivision planning and design platting, topographic and lot and block surveys. Resident GPS Surveyor in charge of all GPS surveys. Reviews daily field crew notes and assists Mr. Lidberg with crew scheduling.

September 1991 – January 1992

Student

May 1984 – August 1991 –Stanley Consultants, Inc.

Survey Technician: 6/88 – 8/91

Responsibilities included calculations of site plans and engineering plans, coordinate with clients, engineers, field crews and governing bodies, preparation of surveys and plat for recording.

Party Chief: 9/85 – 5/88

Responsibilities included coordination with clients, supervision of field crew, field calculations for all facets of subdivision layout.

Instrument Man: 5/84 – 8/85

Assist field crew in construction layout, as-built, metes & bounds, lot & block, hydrographic, route, right-of-way, topographic and condominium surveys.

Education and Registration

Palm Beach Community College, Associate of Science, Land Surveying 1992

Professional Surveyor & Mapper: State of Florida No. 5327, 1994

APPENDIX B

FIRM PROFILES AND RELEVANT PROJECT EXPERIENCE

Civil Engineering Services



PORTFOLIO OF PROJECTS

- PBC FIRE STATIONS #31, 72, & 74
- SCHOOL DISTRICT OF PBC SOUTH TRANSPORTATION FACILITY, BOYNTON BEACH
- DAKOTA RESIDENTIAL, JUPITER
- GALLERIA LOFTS, FT. LAUDERDALE
- KINGSWOOD ACADEMY, GREENACRES
- FPL COMMAND CENTER, WEST PALM BEACH
- MEDICAL CONSULTANTS, JUPITER & PORT ST. LUCIE FACILITIES
- BREAKERS HOTEL STORMWATER IMPROVEMENTS, PALM BEACH

McLeod McCarthy & Associates' Principals have provided civil engineering services for the construction of neighborhood improvement and infrastructure projects throughout Central and South Florida. We have actively guided projects through the design, permitting, and construction phases of development and are proud to provide consulting services for projects ranging from small infill/retrofit sites through large scale construction and infrastructure development. In addition, our staff has served as Town Engineer for the Towns of Juno Beach and Palm Beach.

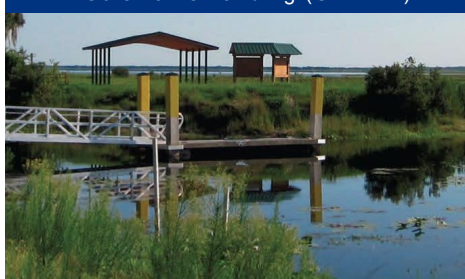
We provide consulting services for drainage/stormwater improvements, water and sanitary sewer utilities, roadways and streets, land planning, geographic information systems (GIS), and site infrastructure development. Our team members work with local communities, business owners, and developers to complete quality site improvement projects. We have provided site planning, engineering design, permitting, and construction administration services for private and public clients throughout the State.

Our local experience, earned over a variety of project sizes and types, has provided an opportunity to develop relationships with regulatory staff and local consultants as well as an understanding of the design and permitting nuances within Palm Beach County. With our recent merger to form McLeod-McCarthy, we look forward to continuing our involvement in the successful growth of Palm Beach County.

FPL Command Center



Coleman's Landing (SFWMD)



St. Mark's School: Phase I



McLEOD • McCARTHY
& Associates, P.A.
CIVIL ENGINEERS

Palm Beach County Prequalified:

- Multi-lane Highway Design
- Drainage/Stormwater
- Water/Wastewater

1655 Palm Beach Lakes Blvd.
Suite 712

West Palm Beach, Florida 33401
o.561.689.9500 | f.561.689.8080

www.mcleodmccarthy.com



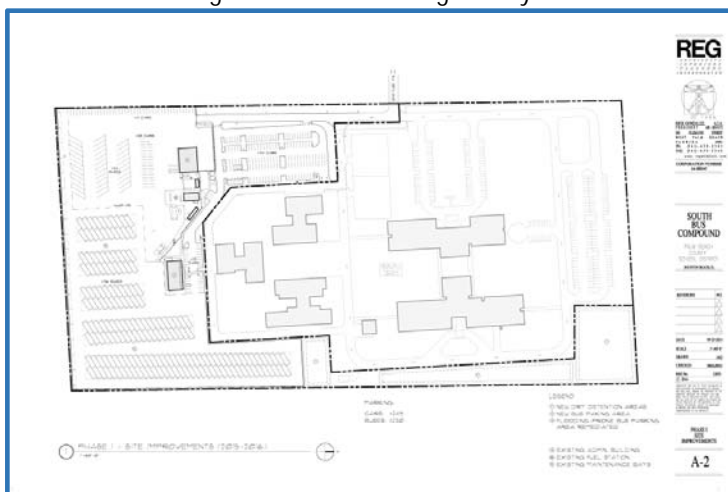
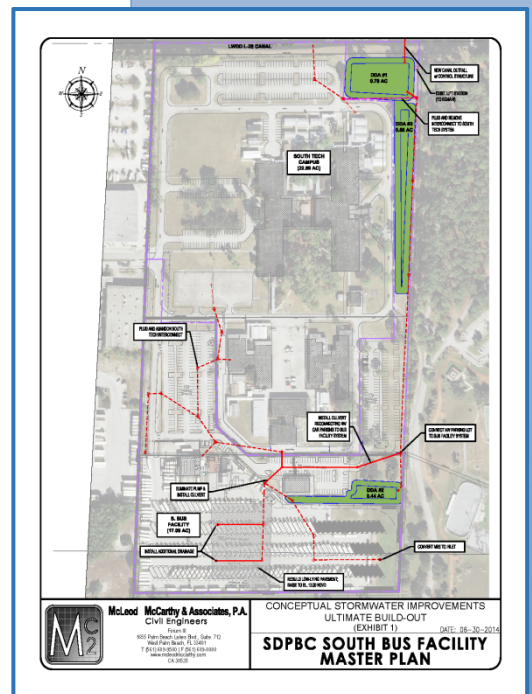
Project: South Transportation Facility Master Plan

Client: School District of Palm Beach County

McLeod McCarthy and Associates (MMA) and REG Architects completed a long-range Master Plan for the redevelopment and expansion of the South Transportation Facility in early 2015. The Plan provides for resolving long-standing drainage problems for the site, expanding the bus maintenance and administrative facilities, improving site vehicle and pedestrian circulation, and separating the Facility from the adjacent South Tech Charter School campus. Following completion of the South Facility Master Plan, MMA and REG are beginning long-range master planning for the West Central Transportation Facility in Royal Palm Beach.

Specific Project Considerations Included:

- Analysis of site flooding problems and required retrofit improvements
- Conceptual Drainage Design to evaluate separating the South Tech and Bus Facility drainage systems
- Long-Range planning and cost estimating for expanded bus parking and circulation
- Project phasing planning to allow the facility to stay in operation during construction
- Pre-application meeting and coordination with the Lake Worth Drainage District
- Coordination of survey consultant to obtain necessary topographic information and address potential property boundary (LWDD Chancery Case) issues
- Review of site water/sewer record drawings to plan future buildings around existing utility infrastructure





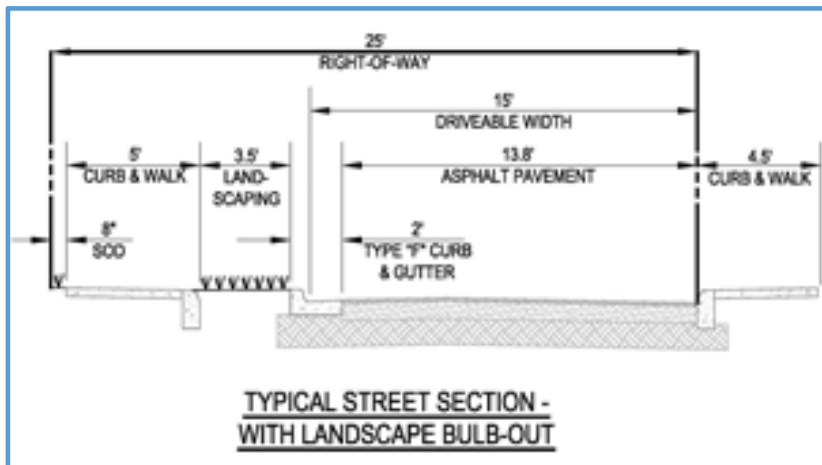
Project: Latona Avenue Street Improvements

Client: City of Lake Worth

This project included planning, design, and construction administration for traffic calming, pedestrian access improvements, lighting, and street improvements for Latona Avenue in the City of Lake Worth, Florida. Mr. McLeod was the Project Manager and Engineer-of-Record for the prime consultant responsible for overseeing the civil engineering, electrical design, surveying, and permitting/bidding phases of the project.

The project was funded through the Palm Beach County Community Development Block Grant (CDBG) program and involved preparation of conceptual plans, 3-D models, and construction documents as well as public involvement meetings and construction administration. The project was completed in September of 2009 for a total cost of approximately \$260,000.

Mr. McLeod performed engineering design, construction observation and administration services, electrical engineering coordination, and surveying sub-consultant coordination, and pay application review for completed work.



*Todd McLeod was Engineer of Record for this project prior to forming MMA.



Project: Glades Citizen Villas

Client: Palm Beach County

This project included the analysis of the stormwater management system serving the Glades Citizens Villas subdivision in Pahokee, Florida. Recommendations and cost estimates for retrofit options were presented to the PBC Engineering Services Division prior to developing final plans.

Mr. McLeod gathered information about the existing drainage system via site visits and field measurements, meetings with County staff, regulatory permit files, and survey data. Hydraulic models were prepared utilizing ICPR software to evaluate the existing level of service and the anticipated severity of flooding events. Based on the models and field measurements, retrofit options and cost estimates were presented for potential improvements to the subdivision.

Specific project considerations included:

- Gathering of information regarding the existing drainage system from field measurements, permit files, owners, and County staff.
- Modeling & analysis of the approximately 38 acre Glades Villas Subdivision stormwater management system.
- Development of multiple options to improve the existing system and provide residents with an acceptable level of service.
- Community involvement meetings to inform the residents of the proposed plans and the need for the clearing/reshaping of the rear yard drainage swales.



*Todd McLeod was Engineer of Record for this project prior to forming MMA.



Project: D-13 Stormwater Pump Station and Stormwater Modeling
Client: The Breakers Hotel

This project included a design/build analysis and retrofit of the D-13 stormwater pumping station at the Breakers Hotel on Palm Beach. Originally designed by Tom McCarthy in the 1980's, the station was due for an upgrade to take advantage of recent advancements in remote telemetry and computerized control systems. The station collects all of the stormwater from the entire Breakers property, including the hotel, golf course, and pool area. The excess water is pumped directly to the Intracoastal. MMA mapped the entire Breakers Hotel and Golf Course drainage systems, analyzing the overall stormwater management systems. The hydraulic model and reviewed to determine the proper lake levels and weir elevations to provide the level of service desired by Hotel Staff. Finally, set levels were reviewed for the existing station and proposed improvements were recommended.

Following the completion of our mapping and engineering studies, the Breakers Hotel contracted with Atlantic Environmental Systems (AES) to retrofit the station to modernize the controls, telemetry systems, and pumps. The Breakers Hotel will use MMA's maps and studies as a basis for ongoing improvements and repairs to the overall stormwater management systems.



**The Breakers Stormwater Management System Maps
 Palm Beach, Florida**

FIRM PROFILE



Jon E. Schmidt and Associates, Inc. is an award winning, State of Florida licensed landscape architecture firm that provides landscape design and consulting, as well as land planning services to a wide variety of project types throughout South Florida. Founded in 2000, Jon E. Schmidt & Associates, Inc. was established with the goals of providing intelligent, innovative, landscape architectural design solutions. We are committed to understanding our Florida clients' individual project needs and translating those needs into functional, cost effective architectural design solutions.

Our client list has grown since our initial years in Florida, from owner-developers to large home-building companies, as well as commercial and industrial developers. The firm has continued to grow and in 2006, we added land planning services and now provide a broad scope of land planning and landscape architecture design consulting services to the private and public sectors. Jon E. Schmidt and Associates, Inc. has designed and received entitlement approvals for over 10 million square feet of commercial, industrial and mixed-use projects. Implementation of landscape designs for institutional, public, commercial, transportation, equestrian, parks and recreation, resorts and residential developments can be found throughout South Florida.

We have built a reputation for outstanding client service, dependability and integrity and have established many professional relationships throughout Palm Beach County, building a strong base of satisfied clients, by delivering innovative and sustainable (yet cost effective) solutions for all aspects of planning, design and permitting review services. Jon E. Schmidt & Associates maintains an ongoing commitment to excellence and a corporate philosophy that has evolved over 10 years of intense land planning and master planning experience. Tenets of this philosophy and processes to achieve it include:

Client Focus: We focus on our clients at all times demonstrating the discipline and professionalism to anticipate and understand their needs, and to build solid and lasting relationships. We feel it is imperative to have a thorough understanding of the client goals, current business model, proposed business model and all aspects associated with their project in order to best represent the client's interests. We understand the initial due diligence and master planning processes are critical and must balance tight economic constraints with the need to obtain a comprehensive planning analysis to guide the project through development.

Innovation: Every project presents an opportunity to explore innovative solutions to ensure the project outcome matches the established goals. The unique qualities of each project challenge us to be proactive in considering sustainable options. In the current fiscally conservative environment, our solutions are innovative and more sensitive than ever to project budgets, schedules and other client priorities. In accordance with Governor Christ's Administrative Orders and Mandates, we also focus on sustainable designs. Our emphasis on Leadership in Energy & Environmental Design (LEED™) allows us to apply LEED™ principals through master planning, infrastructure, and architectural solutions.

Commitment to Project Schedule: We have a proven track record of delivering a project on time and under budget. Our firm takes pride in its ability to work within tight timeframes that are crucial to many projects for the market. Our office size and agility assists in allowing quick response to rapid changes as the project evolves.

Performance & Value: We focus on financial discipline at every level and concentrate on creating value for our clients from project inception through completion. As a small firm offering both comprehensive planning services, sustainable sites and landscape architecture services, we have the depth and resources to handle your needs, yet we are small enough to provide the personal attention you demand. Being a Palm Beach County certified Small Business (SBE), allows us the flexibility to step outside the realm of profit and make decisions that ultimately benefit the community. The decisions can be made quicker and more efficiently simply because there are fewer layers to cut through. In short, the flexibility provided by small business owners simply cannot be matched by larger corporations.

No Learning Curve: Jon E. Schmidt & Associates is very familiar with the area's Comprehensive Plans and Zoning Codes. This in depth understanding of how these function will ensure no time lost familiarizing with local standards, taking more time to analyze and less time to focus on design improvements

Quality Control: Jon E. Schmidt is committed to providing individuals as well as additional professionals who possess integral local knowledge, as well as the technical and management skills required to meet the goals and objectives of every project. The firm continuously updates a well detailed system of checks and balance reviews to ensure quality and accuracy.

Teamwork & Communication: Successful projects result from the balance of a talented team combined with strong design and project management leadership *in a highly communicative environment*. A collaborate effort between the planners, engineers, surveyors, environmental consultants and architects results in a project that balances specific project needs with overall project goals.

Our understanding of the challenges faced in land planning and development in the South Florida area, as well as our knowledge of current issues that may occur, allows the firm to overcome the complexities and potential obstacles that arise. The Florida landscape offers many challenges that are unique to the East Coast due to the varied tropical and sub-tropical zones. There are additional criteria that must be followed carefully with non-native plants, as well as specific requirements for native plants to be incorporated into local landscaping. Additionally, the complexities of the South Florida land planning processes offer many issues that the firm has experience in navigating. The firm's familiarity with the local municipal and government agency codes and ordinances lends to the success of the firm and our client's projects.

Jon E. Schmidt & Associates, Inc. provides land planning and landscape architecture services that include Due Diligence Reports, Land Use Analysis and Assessment, Master Site Planning, Planning & Zoning Entitlements, Public Representation, Site Plan Approvals, Landscape Architecture Design and Construction Document.

TOWN OF HAVERHILL

TOWN CONSULTANT, HAVERHILL, FLORIDA

**Owner:**

Town of Haverhill
4585 Charlotte Street
Haverhill FL 33417-59115

Client:

Janice Rutan, Town Administrator
(561) 689-0370 x24
jrutan@townofhaverhill-fl.gov

Performance Period:

2009 - Current

Contract Amount:

Per Hourly Rates; Project Specific



Jon E. Schmidt & Associates provides professional Land Planning and Landscape Architecture Services to the Town of Haverhill on a project specific basis, such as:

Town of Haverhill Capital Improvements Update, Planner in conjunction with Town Staff providing analysis of the level of service standards in the 5- and 10-year schedule of improvements while addressing the budgetary constraints of the Town; Prepare and submit the annual update to the Town Capital Improvements Element of their Comprehensive Plan as required by Florida State Statute.

Town of Haverhill, Palm Beach County Thoroughfare Amendment, Planner providing services related to the Town's opposition to the widening of Belvedere Road from 4 lanes to 6 lanes within the Town's boundaries; Public Representation of the Town of Haverhill as they continue their opposition through a formal request to the Board of County Commissioners to initiate the reduction.

Other professional services provided to the Town of Haverhill include:

- Due Diligence evaluations of property
- Land Use Planning and Analysis
- Review of Site Plan, Variance and Platting Applications to ensure compliance and consistency with the Town's Land Development Codes as well as other state, local and federal requirements.
- Review of Plat to ensure compliance and consistency with the Town's Land Development Codes as well as all state and local requirements
- Review of Town of Haverhill's Future Land Use and Zoning Maps for consistency with recommended amendments
- Revisions to Town of Haverhill's Future Land Use and Zoning Maps
- Review of the creation of Town of Haverhill's Landscape Code within the Town's Zoning Code

TOWN OF LAKE PARK

GENERAL CONSULTING, LAKE PARK, FLORIDA



Owner:

Town of Lake Park
535 Park Ave.
Lake Park, FL 33403

Client:

Rob Rennebaum, PE LEED AP
Simmons & White, Inc.
(561) 478-7848
rob@simmonsandwhite.com

Performance Period:

2010 - Current

Contract Amount:

TBD



Jon E. Schmidt & Associates is part of the comprehensive team lead by Simmons & White, Inc. who was awarded a three year continuing services contract, from 01/2011 through 01/2014 with two 1 year renewals, ending in 01/2016, to serve as the Town of Lake Park Town Engineer to provide Development Review, Civil and Traffic Engineering services. Jon E. Schmidt & Associates part in this contract requires expertise in planning, designing and permitting and construction administration services. Our firm provides assistance with Development Review including investigative analyses and reports, plat and plan review for development requests; construction inspection services; and general Planning services.

Plan Review services have been provided to the Town of Lake Park include the following projects:

- Marina Village
- 838 North Lake Blvd
- ServPro
- Community Learning Center
- Chik-Fil-A
- Shellco Construction Site Plan
- Racetrack
- Congress PUD
- ALDI
- Old Dixie Hwy Expansion
- Earl Stewart Toyota

Our firm has also prepared Landscape and Irrigation Plans to the Town of Lake Park for the following projects:

- Alley Improvements from 7th Street to 8th Street



Transportation Consultants



2005 Vista Parkway, Suite 111
West Palm Beach, FL 33411-6700
(561) 296-9698 Fax (561) 684-6336
Certificate of Authorization Number: 7989

FIRM INFORMATION

Pinder Troutman Consulting, Inc. (PTC) began operation in July 1998 following many years of practice in South Florida by the principals of the firm. Located in Palm Beach County, Florida, the firm provides consulting services throughout the state. Services are available to both the private sector development community and the public sector.

PTC is certified through Palm Beach County as a Small/Women Business Enterprise (S/WBE), as a Minority/Women Business Enterprise (M/WBE) and a Small Business Enterprise (SBE) through the School District of Palm Beach County.

The firm offers a full range of transportation and traffic consulting services including:

Land Development Services

- Traffic Concurrency Analyses*
- Trip Equivalency Analyses*
- Travel Demand Forecasting*
- Comp. Plan Amendment Analyses*
- Impact Fee Calculations*
- Travel Pattern Studies*
- DRI Transportation Studies*
- Action Plans*

Site Plan Services

- Site Circulation Analysis*
- Auxiliary Driveway Lanes Analysis*
- Driveway Geometrics*
- Pedestrian/Bicycle Access*
- Parking Layout Concepts*
- Arrival and Departure Studies*

Areawide Studies

- Comp. Plan Transportation Elements*
- Regional Modeling Forecasts*
- Concurrency Exception Area Studies*
- Origin and Destination Studies*
- Alternate Corridor Analyses*
- Traffic Calming Studies*
- Congestion Management Studies*
- Neighborhood Traffic Studies*

Parking Studies

- Parking Utilization Surveys*
- Parking Demand/Shared Parking Studies*
- Valet Parking Studies*
- Parking Layout Concepts*

Intersection and Access Analyses

- Access Management Reviews*
- Intersection Capacity Analyses*
- Signal Warrant Studies*
- Signalization*

PTC is qualified to provide consulting services to Palm Beach County in the following categories:

- | | | | |
|--------|--|--------|---------------------------|
| ❖ 1.01 | Urban Area & Regional Transportation Planning | ❖ 3.05 | Traffic Operation Studies |
| ❖ 1.05 | Mass & Rapid Transit Planning | ❖ 3.06 | Traffic Operation Design |
| ❖ 1.06 | Alternate Systems & Corridor Location Planning | | |

PTC is qualified through the Florida Department of Transportation for the following types of work:

- | | | | |
|--------|------------------------------|--------|-------------------|
| ❖ 6.1 | Traffic Engineering Services | ❖ 13.4 | Systems Planning |
| ❖ 7.3 | Signalization | ❖ 13.5 | Corridor Planning |
| ❖ 13.3 | Policy Planning | | |

Principals of the firm are Andrea M. Troutman, P.E. and Rebecca J. Mulcahy, P.E. Ms. Troutman, a graduate of the University of Miami, has 28 years of transportation and traffic engineering experience in South Florida. Ms. Mulcahy, a graduate of the University of Missouri - Rolla, has 30 years of traffic and civil engineering experience in both the private and public sectors.

PTC

Transportation Consultants



2005 Vista Parkway, Suite 111

West Palm Beach, FL 33411-6700

(561) 296-9698 Fax (561) 684-6336

Certificate of Authorization Number: 7989

REFERENCES

PTC is currently providing transportation planning and traffic engineering services to the City of Palm Beach Gardens. As part of this ongoing contract, PTC has completed reviews of traffic impact studies and site plans submitted by applicants for site plan approval. These reviews included a determination of compliance with traffic performance and access management standards. PTC assists in writing and reviewing Development Order conditions.

Additionally, PTC has completed a Mobility Study for the City, which developed routes and headways for several trolley systems and addressed bicycle and pedestrian modes of travel. PTC was also involved in the traffic analyses for the proposed baseball stadium as well as the community meetings. Review of County transportation policies that impact the City is also completed by PTC. Participation at staff meetings, development review committee meetings and public hearings is also included in the services.

CONTACT:

City of Palm Beach Gardens
Ms. Natalie Crowley, AICP
Director of Planning and Zoning
10500 North Military Trail
Palm Beach Gardens, FL 33410
Telephone: 561-799-4233
Fax: 561-799-4281
Email: ncrowley@pbgfl.com



PERFORMANCE PERIOD:

2009 – Today

TOTAL AMOUNT OF CONTRACT:

Varies per Assignment

PTC

Transportation Consultants



2005 Vista Parkway, Suite 111

West Palm Beach, FL 33411-6700

(561) 296-9698 Fax (561) 684-6336

Certificate of Authorization Number: 7989

REFERENCES

PTC is currently providing transportation planning and traffic engineering services to Wellington. As part of this ongoing contract, PTC has completed reviews of Concurrency Traffic Impact Analyses and site plans submitted by applicants for site plan approval. These reviews included a determination of compliance with traffic performance and access management standards.

Additionally, PTC has completed intersection crash data analyses, four-way stop warrant analyses, signal warrant analyses, comprehensive plan transportation analyses and reviews, speed studies and short and long range traffic capacity analyses for the City's Evaluation and Appraisal Report. Participation at staff meetings, development review committee meetings and public hearings is also included in the services. PTC is proud of its service to Wellington for the past 15 years.

CONTACT:

Wellington

Mr. Robert Basehart, AICP
Growth Management Director
12300 Forest Hill Boulevard
Wellington, FL 33414
Telephone: 561-753-2578
Fax: 561-791-4045
Email: rbasehart@wellingtonfl.gov



PERFORMANCE PERIOD:

1999 – Today

TOTAL AMOUNT OF CONTRACT:

Varies per Assignment

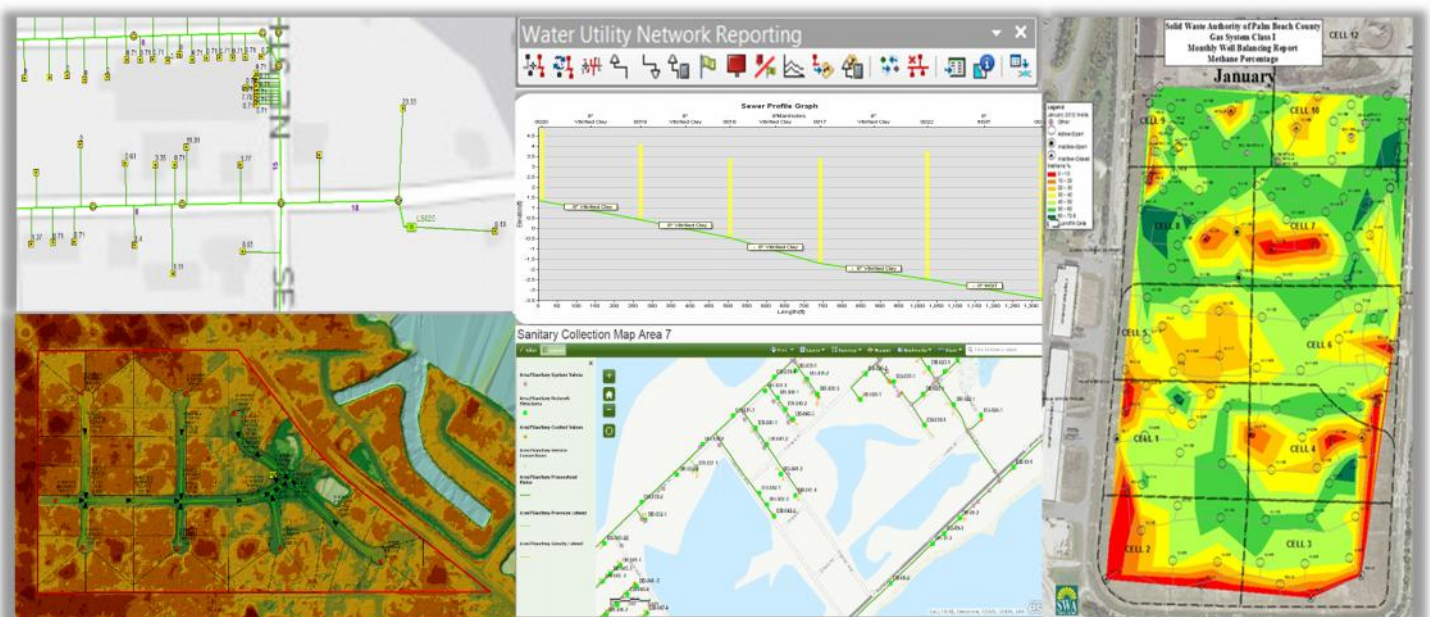
Florida Technical Consultants (FTC) was founded in 2014. Based on extensive experience using GIS for engineering projects, and as an ESRI Silver Business Partner with an ArcGIS Online Specialty, the Goal of FTC is to provide support services to Municipalities and Engineering firms through:

- Data Compilation and Analysis for Projects and Studies
- GIS Data Building, Cleaning and Configuring for Utilities / Public Works Management
- Engineering Design, Permitting, Technical Specifications and Support Services
- Plans Review
- ArcGIS Online for Field Construction Administration
- Construction Information Management, GIS Record Drawing Submittals
- GIS Training and Support

The founder, James Barton P.E. LEED AP has over 20 years of experience in engineering design and project management of water, sanitation and stormwater programs, including water resources, infrastructure rehabilitation and GIS implementation, environmental engineering, utilities and road construction. Mr. Barton has routinely integrated GIS technology with engineering, developing software tools to assist in system modeling, design and construction administration.

Since becoming an ESRI Authorized Trainer in 2003, he has provided training to over 75 students in various organizations and disciplines. His specialty is training for people specializing in utilities, public works and engineering, but has trained fire, police and city administration.

FTC can offer engineering firms and departments improved efficiency through understanding and utilizing existing data, applying analysis tools and techniques for quality control, interfacing with contractors to track construction quantities and providing GIS record drawing submittals to clients.





Lidberg Land Surveying Company Profile

Lidberg Land Surveying, Inc. was established in 1982 by David C. Lidberg, P. S. M. During the past 32 years we have completed numerous commercial and residential projects in Palm Beach, Broward, Dade, Martin, and St. Lucie counties, for many respected clients. We have provided services to a number of municipalities and government agencies, including the Town of Jupiter, the Town of Juno Beach, the Jupiter Inlet District, the City of West Palm Beach, and Seacoast Utility Authority.

Lidberg Land Surveying, Inc. provides a full range of surveying services. These services cover all aspects of surveying, including Search of Public Records, Route Surveys, Right of Way Maps, Mapping Control, Horizontal and Vertical Control Networks, Global Positioning, coordination with utility location firms, and Hydrographic Surveying. We have produced more than 130 plats. Our field personnel, consisting of three crews, are proficient in using our state of the art Total Stations and Data Collectors. We have two registered surveyors with a combined total of over 77 years of surveying experience and 53 years as licensed professionals. In addition, we have a third registered surveyor on our team as a regular sub-consultant with over 28 years of surveying experience and 19 years as a licensed professional. Our office technicians provide the necessary support to enable us to utilize our sophisticated surveying programs to their fullest extent. We are committed to providing services that are technically accurate, timely, and cost effective for our clients.

Through the combined efforts and talents of our staff, most of who have been with Lidberg Land Surveying for more than ten years, we have been able to adhere to the cost requirements and time constraints of our many clients. Our workweek normally consists of five days, but all employees are very willing to put in the extra time that may be required to meet a client's deadlines.

We have a very manageable workload that will allow us to respond to your work requests in a timely manner.

Our strong commitment to project excellence makes us a wise choice to meet a client's particular needs. Our corporate operations are headquartered in Jupiter, Florida.

Check out our website at www.lidberg.net

Lidberg Land Surveying

Client: Jupiter Inlet District

Contact: Mike Grella, Tel: 746-2223

Project: Annual pre and post dredge hydrographic and volume surveys of the Jupiter Inlet sand trap

Project: Annual offshore profiles for permitting with D.E.P. for Range lines R10 through R21 adjacent to the Jupiter Inlet

Project: Hydrographic surveys of the Loxahatchee River west of FEC railroad

Project: Hydrographic survey of the Jones Creek

Client: Town of Juno Beach

Contact: Anthony Meriano, Tel: 656-0310

Project: Prepare a location survey for the U.S. 1 R.O.W. lying within the corporate limits of the Town of Juno beach for approximately 13,500 lineal feet. Established 15 GPS control points tied to state plane coordinates, NAD 83/90 Florida east zone, at approx. 1000' intervals along corridor and provide references for each point. Tie each GPS control point to the centerline of U.S. 1 with station & offset. Locate all roadway pavement and curbing on the medians and outer edges of pavement, including driveway connections and side streets. Locate 11 existing billboards and depict on survey. Final drawing to show entire field located pavement & curb, right of way lines, and adjust parcel lines and centerline of U.S. Highway One stationing at 100' intervals based on the FDOT right-of-way map stationing.

Client: Town of Jupiter Parks and Recreation

Contact: Russell Ruskay, Director 741-2334

Project: Sawfish Bay Park Site Boundary Survey, Legal Descriptions, coordinated with DOT for acquisition of abandoned right-of-way.

Client: Town of Jupiter Engineering Department

Contact: Douglas Koennicke, P.E., Tel: 741-2258

Project: A-1-A Right of Way Map from Indiantown Road to Jupiter Beach Road, along with title research of right-of-way and adjoining ownership.

Project: Review Plats prepared by others for compliance with Town Platting Ordinance and State Statutes.

Project: Research the origin and limits of the Florida East Coast Railroad right-of-way between the Loxahatchee River and Jupiter Lakes Boulevard, prepare map of ROW line

Client: Town of Jupiter, Office of Town Manager

Contact: Brenda Arnold, Tel: 741-2261

Project: Community Redevelopment Area (CRA) Prepared description and sketch with aerial overlay of the Towns 397 acre redevelopment area.

Town of Jupiter Brenda Arnold 741-2261

Project: Prepare a Submerged Land Lease Survey to DEP specifications for a portion of the Jupiter River for a portion of the Riverwalk Project between A-1-A and Burt Reynolds Park.

Client: Town of Jupiter Water Utilities Department

Contact: Steven Montemayor, P.E., Tel: 741-2710

Project: Topographic Route Survey for Imperial Woods Subdivision for a water main project.

Client: Town of Jupiter Engineering Department

Contact: Tom Driscoll, P.E. 741-2225 (microstation)

Project: Topographic Route Survey Bush Road to Maplewood Drive for connection road.

Client: Town of Jupiter Building Department

Contact: Robert Lecky, Tel: 741-2263

Project: Obtain Finished Floor Elevations for approximately 1800 residences in FEMA high-risk flood zones.

Client: Town of Jupiter Storm Water Utilities

Contact: David Rotar, Tel: 741-2706

Project: Prepare individual legal descriptions and sketches for land adjacent to unrecorded Kurtz Subdivision, lying in the railroad right of way for lease agreements and transfer to Rinker Materials.

Client: Seacoast Utility Authority

Contact: Bruce Gregg, Tel: 627-2900

Project: Prepare a topographic survey for a portion of the Thompson River right-of-way at 50' intervals with all improvements, visible above ground utilities, trees, evidence of underground utilities, foundation outlines of the adjacent residences, all platted lot lines,

tracts and easements according to the plat of Golfers Village in State Plane NAD83 Coordinate Base.

Project: Prepare required legal descriptions and sketches of easements for the relocation of utility lines in conjunction with the DOT PGA Boulevard flyover project.

Client: City of West Palm Beach Engineering Department, Survey Division

Contact: Vincent Noel, P.S.M., Tel: 659-8040

Project: Provide survey crew to traverse and obtain elevations along the centerline of a proposed boardwalk through the City of West Palm Beach catchment area.



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