



**Request for Qualifications to Provide Surveying and Mapping
Services for Phase IV Streetscape & AIA DCRA 19-001**

Hollywood, FL Community Redevelopment Agency (CRA)



Qualifications submitted:
August 27, 2019 by 2:00 PM

HOLLYWOOD, FL COMMUNITY REDEVELOPMENT AGENCY (CRA)
Surveying and Mapping Services DCRA 19-001 • 191084.10

CONTENTS

Title Page.....	1
Table of Contents	2
Letter of Transmittal	3
Standard Forms 330	4
Profile of Consultant.....	35
a. Organization Information.....	35
b. Office Location	35
c. Firm Information	35
d. Similar Project Experience	36
e. Litigation Information	38
f. Staff Similar Project Experience.....	39
g. Project Team Organization	41
h. Municipal Staff Support.....	44
i. Project Approach.....	44
Insurance Certificate	47



The strength of Baxter & Woodman is our people and our purpose. Building community value with every project we do is the force that drives us, and our fundamental core values are the principles we live by . . .

August 27, 2019

Mr. Moe Anuar, PE
Senior Project Manager
Hollywood, FL Community Redevelopment Agency (CRA)
1948 Harrison Street
Hollywood, FL 33020

Subject: Request for Qualifications to Provide Surveying and Mapping Consulting Services for Phase IV Streetscape & A1A

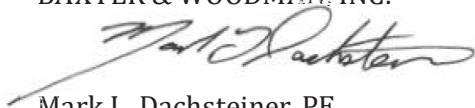
Dear Mr. Anuar:

Providing professional surveying and mapping services for the Hollywood, FL Community Redevelopment Agency (CRA) will require a consultant with the staff, equipment, and experience to respond promptly to the CRA's project needs. The CRA will benefit from Baxter & Woodman's full-service survey and mapping team who will deliver the following:

- **Knowledgeable team** - Project Manager Thomas English is a Professional Surveyor and Mapper/Professional Land Surveyor with more than 39 years of experience. His proactive approach and ability to identify potential issues before they happen offers added value to your projects. Our team is supported by over 258 multidisciplined professionals who collaborate to provide you with the expertise and quality of service you require.
- **State of the art technology** - Leading edge surveying equipment with sub-centimeter accuracy increases the speed and precision of data collection. We regularly utilize Real Time Kinematic Global Positioning System (RTK GPS) units, robotics, digital levels, mobile LiDAR services, High-Definition Survey (HDS) laser scanning, GIS integration, hydrographic surveying, and drone units.
- **Proven expertise** - Our surveying team has extensive experience in Broward County providing similar services to the City of Pompano Beach, Lauderdale-by-the-Sea, the City of Fort Lauderdale, the Florida Keys Aqueduct Authority and more. We have highlighted a variety of project examples that require design surveys, construction layouts, boundary surveys, preparation of sketches and legal descriptions, mapping, AutoCad drafting, calculations and other related survey and mapping projects.

If you have questions or require additional information during your review of our submittal, please contact me at 815-444-3300 or mdachsteiner@baxterwoodman.com. We look forward to providing innovative, reliable, and responsive survey and mapping services for the CRA!

Sincerely,
BAXTER & WOODMAN, INC.



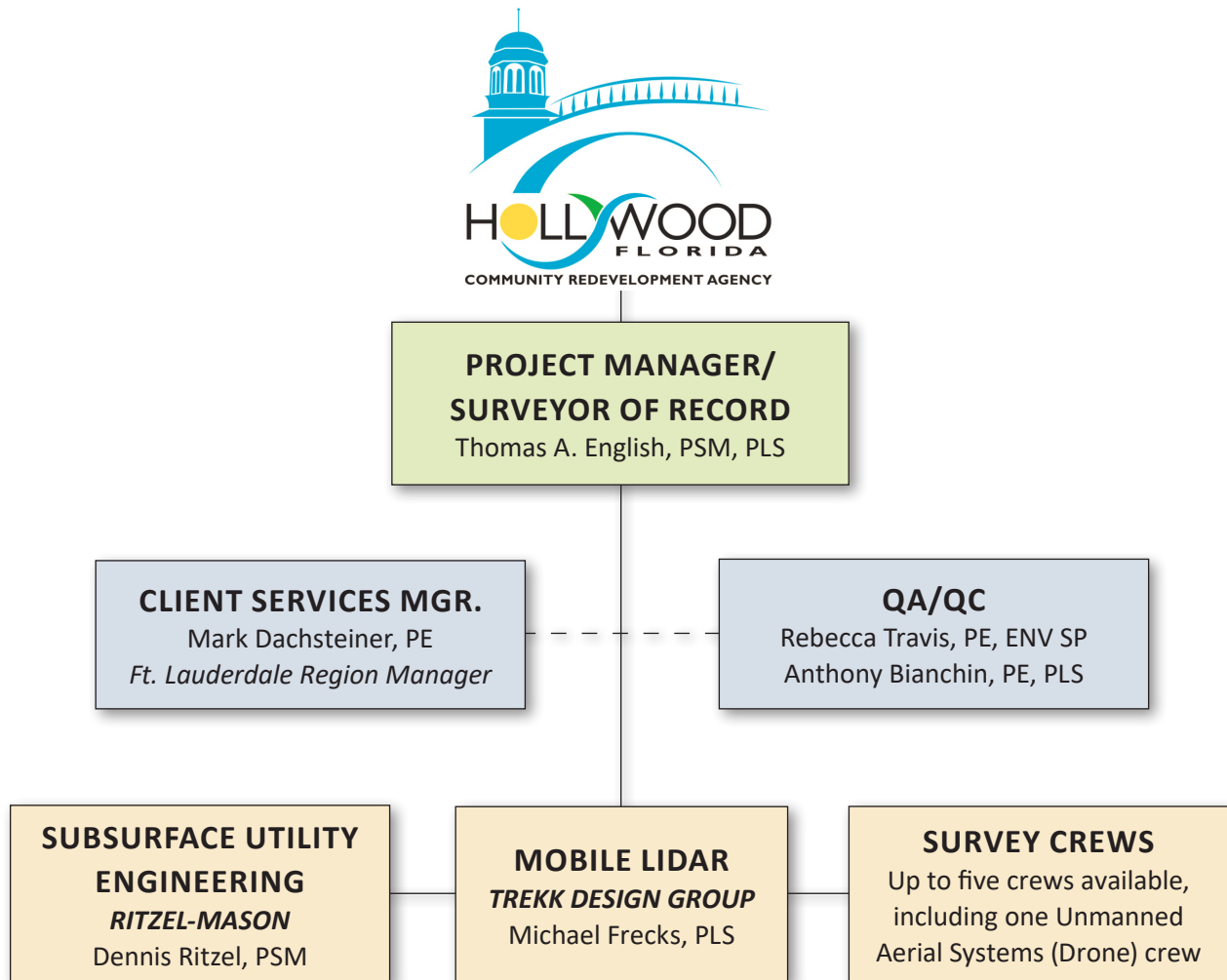
Mark L. Dachsteiner, PE
Regional Manager - Fort Lauderdale Office
6600 North Andrews Ave., Ste. 100, Fort Lauderdale, FL 33309

ARCHITECT - ENGINEER QUALIFICATIONS						
PART I – CONTRACT-SPECIFIC QUALIFICATIONS						
A. CONTRACT INFORMATION						
1. TITLE AND LOCATION (CITY AND STATE) Request for Qualifications to Provide Surveying and Mapping Consulting Services to the CRA for Phase IV Streetscape & AIA						
2. PUBLIC NOTICE DATE August 27, 2019			3. SOLICITATION OR PROJECT NUMBER: DCRA 19-001			
B. ARCHITECT-ENGINEER POINT OF CONTACT						
4. NAME AND TITLE Mark Dachsteiner, Regional Manager-Fort Lauderdale Office						
5. NAME OF FIRM Baxter & Woodman, Inc.						
6. TELEPHONE NUMBER 815-444-3300			7. FAX NUMBER 561-655-6179		8. E-MAIL ADDRESS mdachstiner@baxterwoodman.com	
C. PROPOSED TEAM (Complete this section for the prime contractor and all key subcontractors.)						
	(Check)			9. FIRM NAME	10. ADDRESS	11. ROLE IN THIS CONTRACT
	P	JV P	Sub			
a.	<input checked="" type="checkbox"/>			Baxter & Woodman, Inc.	6600 North Andrews Avenue, Suite 100, Fort Lauderdale, F: 33309	Prime Surveying & Mapping Firm
b.			<input checked="" type="checkbox"/>	TREKK Design Group	1411 East 104th Street Kansas City, MO 64131	Mobile Mapping LiDAR / Laser Scan
c.			<input checked="" type="checkbox"/>	RITZEL-MASON, INC.	5119 Beechwood Road Delray Beach, FL 33484	Subsurface Utility Engineering
d.						
e.						
f.						
g.						
D. ORGANIZATIONAL CHART OF PROPOSED TEAM <input checked="" type="checkbox"/> (Attached)						

ORGANIZATIONAL CHART

With three (3) Baxter & Woodman, Inc. offices based in South Florida, Baxter & Woodman, Inc. will deliver timely responses to submittals and inquiries, and clear communication of project status to the Hollywood CRA. Our Florida staff is readily available to provide prompt assistance for your project needs.

With our subcontractors, we expand our surveying resources and capabilities to better meet your needs and will provide Subsurface Utility Engineering (SUE) and Mobile LiDAR services.



E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (COMPLETE ONE SECTION E FOR EACH KEY PERSON.)			
12. NAME Mark L. Dachsteiner, PE		13. ROLE IN THIS CONTRACT Client Services Manager	
		14. YEARS EXPERIENCE A. TOTAL 33	B. WITH CURRENT FIRM 23
15. FIRM NAME AND LOCATION (CITY AND STATE) Baxter & Woodman, Fort Lauderdale, FL			
16. EDUCATION (DEGREE AND SPECIALIZATION) B.S., Mining Engineering Southern Illinois University, 1987		17. CURRENT PROFESSIONAL REGISTRATION (STATE & DISCIPLINE) Licensed Professional Engineer: Florida and Illinois; Qualified FDEP- Storm Water Management Inspector # 38853	
18. OTHER PROFESSIONAL QUALIFICATIONS (PUBLICATIONS, ORGANIZATIONS, TRAINING, AWARDS, ETC.) Florida Dept of Environmental Protection, Stormwater Erosion & Sedimentation Control Qualified Stormwater Management Inspector (#33853); Stormwater, Erosion and Sedimentation Control Inspector Training; FDOT CTQP Training; IDOT Training; Final Estimates Levels 1 & 2; Concrete Field Inspector; HMA Level 1 & 2; QC Manager; Documentation (Cert No. 17-12691); Small Drainage Structures; ICORS; PCC Pavement; Bituminous Pavement; Survey, MFT Accounting & Audit; American Society of Civil Engineers, Florida Chapter Engineers Without Borders – South Florida Branch American Public Works Association.			
19. RELEVANT PROJECTS			
a.	(1) TITLE AND LOCATION (CITY AND STATE) Florida Keys Aqueduct Authority, Cudjoe Regional Wastewater Treatment, Florida Keys, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2009	CONSTRUCTION (IF APPLICABLE) In Progress
	(3) BRIEF DESCRIPTION (BRIEF SCOPE, SIZE, COST, ETC.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm. Construction administration for the construction of a central wastewater collection and transmission system for the Cudjoe Regional Inner Islands (Upper Sugarloaf Key, Cudjoe Key and Summerland Key). The wastewater collection will be pumped to the new Cudjoe Key WWTP.		
b.	(1) TITLE AND LOCATION (CITY AND STATE) Florida Keys Aqueduct Authority, Middle Torch and Little Torch Key, Florida Keys, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES In Progress	CONSTRUCTION (IF APPLICABLE) In Progress
	(3) BRIEF DESCRIPTION (BRIEF SCOPE, SIZE, COST, ETC.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm. Construction administration and inspection for the installation of a low pressure sewer collection system and lift station. Performed flushing and pressure testing of the sanitary force mains, grinder stations and lateral sewer lines.		
c.	(1) TITLE AND LOCATION (CITY AND STATE) Reuse System NE Expansion Phase 2, Pompano Beach, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2015	CONSTRUCTION (IF APPLICABLE) 2019
	(3) BRIEF DESCRIPTION (BRIEF SCOPE, SIZE, COST, ETC.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm. Project Manager for design, permitting and bidding of approx. 7,125 LF of new Reuse Water Mains in a residential area. The project consists of furnishing all labor, materials, equipment and all incidentals and appurtenances to install new reuse water main piping, and services. Additionally, the scope includes: swale grading, sodding, roadway restoration, pavement resurfacing, dewatering, MOT, pavement marking and striping. The NE Reuse Water Main Project is located in north Pompano Beach and southern portions of Lighthouse Point.		
d.	(1) TITLE AND LOCATION (CITY AND STATE) CEI Phase 2 Seacrest Beautification, Delray Beach, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2019	CONSTRUCTION (IF APPLICABLE) 2019
	(3) BRIEF DESCRIPTION (BRIEF SCOPE, SIZE, COST, ETC.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm. Project Manager for Phase 2 and responsible for construction engineering, inspection, public outreach and FDOT LAP coordination. As part of four project phases, the City of Delray Beach (City) is improving the 1.5 mile stretch of Seacrest Boulevard from George Bush Boulevard at the south to Gulfstream Boulevard at the north. The project goals include increased use and safety for pedestrians and bicyclists while beautifying the streetscape within a highly visible neighborhood.		
e.	(1) TITLE AND LOCATION (CITY AND STATE) Esquire Lakes Stormwater Improvements CEI, Pompano Beach, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2018	CONSTRUCTION (IF APPLICABLE) In Progress
	(3) BRIEF DESCRIPTION (BRIEF SCOPE, SIZE, COST, ETC.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm. Project manager providing CEI services for construction of \$3M Stormwater and Roadway improvements project. Project is SRF Loan Funded.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (COMPLETE ONE SECTION E FOR EACH KEY PERSON.)			
12. NAME Thomas A. English, PSM, PLS		13. ROLE IN THIS CONTRACT Project Manager; Survey Manager	
		14. YEARS EXPERIENCE A. TOTAL 39	B. WITH CURRENT FIRM 2
15. FIRM NAME AND LOCATION (CITY AND STATE) Baxter & Woodman, Fort Lauderdale, FL			
16. EDUCATION (DEGREE AND SPECIALIZATION) Civil Technology, Middlesex County College		17. CURRENT PROFESSIONAL REGISTRATION (STATE & DISCIPLINE) Professional Surveyor and Mapper – Florida; (also New Jersey, New York, Pennsylvania, Connecticut, and Louisiana)	
18. OTHER PROFESSIONAL QUALIFICATIONS (PUBLICATIONS, ORGANIZATIONS, TRAINING, AWARDS, ETC.) Tom has published articles, "Photogrammetry and Topographic Mapping" in the Land Development Handbook, published by McGraw Hill, and "Topographic Survey" in the Point of Beginning publication.			
19. RELEVANT PROJECTS			
a.	(1) TITLE AND LOCATION (CITY AND STATE) Kendall Lake Neighborhood Design, Pompano Beach, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2018	CONSTRUCTION (IF APPLICABLE) In Progress
	(3) BRIEF DESCRIPTION (BRIEF SCOPE, SIZE, COST, ETC.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm. Preparation of Drainage Preliminary Design Report for the Kendall Lake Neighborhood. Survey services consisting of field topography, locating existing vertical and horizontal control (GPS Localization), baseline stationing and locating all above ground existing facilities and utilities within the right-of-way or proposed drainage easements of the established construction limits was included in the Scope of Services.		
b.	(1) TITLE AND LOCATION (CITY AND STATE) Olympus Drive Force Main Replacement Survey, Loxahatchee River Environmental Control District, Jupiter, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2018	CONSTRUCTION (IF APPLICABLE)
	(3) BRIEF DESCRIPTION (BRIEF SCOPE, SIZE, COST, ETC.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm. The District is in the process of preparing an in-house engineering design for the replacement of a force main within a portion of the Olympus Drive. Baxter & Woodman provided survey services consisting of field topography and horizontal locations referenced by baseline stationing. All existing facilities and utilities within the established project limits were referenced by baseline station with an offset distance (left or right) from baseline for the project.		
c.	(1) TITLE AND LOCATION (CITY AND STATE) Nottingham Blvd and Miller Ave Utility Improvements, West Palm Beach, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2018	CONSTRUCTION (IF APPLICABLE)
	(3) BRIEF DESCRIPTION (BRIEF SCOPE, SIZE, COST, ETC.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm. Preparation of the design, permitting, bidding, and CMAR coordination services for the utility and roadway improvements on Nottingham Boulevard and Miller Avenue, including Phipps Park. Baxter & Woodman provided survey services consisting of field topography and horizontal locations referenced by baseline stationing. The control will be referenced from the National Geodetic Survey (NGS) or Palm Beach County Control Network which is the North American Datum of 1983 and the 1990 adjustment for horizontal control (NAO 83/90) and the National Geodetic Vertical Datum of 1929 (NGVD 29) for vertical control.		
d.	(1) TITLE AND LOCATION (CITY AND STATE) Lakeshore Drive Drainage Improvements, Town of Lake Park, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2018	CONSTRUCTION (IF APPLICABLE)
	(3) BRIEF DESCRIPTION (BRIEF SCOPE, SIZE, COST, ETC.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm. Baxter & Woodman provided engineering design, permitting, and bidding services for utility and roadway drainage improvements to Lake Shore Drive. Survey included a review a previous survey and a field check was performed to verify that the needed topographic features are in the survey and to add recent site improvements. Additional building floor elevations and additional topography was furnished in the area of the park and along the bottom of the Lagoon along the seawall.		
e.	(1) TITLE AND LOCATION (CITY AND STATE) Pine Crest School Topographic Survey, Fort Lauderdale, Florida	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2018	CONSTRUCTION (IF APPLICABLE)
	(3) BRIEF DESCRIPTION (BRIEF SCOPE, SIZE, COST, ETC.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm. Baxter & Woodman provided Survey and Mapping Services for Pine Crest School Baseball Field Renovation and Wall Construction. Limited survey of the pond area was conducted by GPS and a Remote Control Vehicle. This project was completed for MGM General Contracting, Inc.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (COMPLETE ONE SECTION E FOR EACH KEY PERSON.)			
12. NAME Anthony E. Bianchin, PE, PLS		13. ROLE IN THIS CONTRACT Surveying Technician/ QA/QC	14. YEARS EXPERIENCE A. TOTAL 24 B. WITH CURRENT FIRM 13
15. FIRM NAME AND LOCATION (CITY AND STATE) Baxter & Woodman, Fort Lauderdale, FL			
16. EDUCATION (DEGREE AND SPECIALIZATION) B.S., Civil Engineering, Illinois Institute of Technology, 1993		17. CURRENT PROFESSIONAL REGISTRATION (STATE & DISCIPLINE) Licensed Professional Land Surveyor: Illinois, Wisconsin; Licensed Professional Surveyor and Mapper: Florida; Licensed Professional Engineer: Illinois	
18. OTHER PROFESSIONAL QUALIFICATIONS (PUBLICATIONS, ORGANIZATIONS, TRAINING, AWARDS, ETC.) IDOT Certifications: IDOT Bureau of Construction Task Training/Certifications; P.C.C. Paving; Documentation (Cert. 13-0310); HMA Density Testing; HMA. Certifications: Nuclear Density Gauge, Troxler Laboratories; Concrete Field Testing Technician, ACI			
19. RELEVANT PROJECTS			
a.	(1) TITLE AND LOCATION (CITY AND STATE) 2nd Avenue South Roadway Improvements, City of Lake Worth, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2018 CONSTRUCTION (IF APPLICABLE)	
	(3) BRIEF DESCRIPTION (BRIEF SCOPE, SIZE, COST, ETC.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm. Surveyor of Record. Prepared the topographic and legal survey for the roadway improvements. Work Activities for this project: Control Surveying for 1 month - Established and monitored controls for 1 month, performed bench level circuits in the field. Design, Right of Way, and Construction Surveying for 2 months - Preparation of Survey Report and Topographic Survey for 2 months		
b.	(1) TITLE AND LOCATION (CITY AND STATE) Whispering Trails Gravity Sewer System, Loxahatchee River Environmental Control District, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2018 CONSTRUCTION (IF APPLICABLE)	
	(3) BRIEF DESCRIPTION (BRIEF SCOPE, SIZE, COST, ETC.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm. Surveyor of Record. Performed the topographic and legal survey for the gravity sewer system and neighborhood roadway. Prepared survey report, boundary/ROW survey sheets, and performed topographic survey. Work activities for this project: Control Surveying for 3 months - Established and monitored controls for 3 months, performed bench level circuits in the field. Design, Right of Way, and Construction Surveying for 7 months - Prepare survey report for 1 month, Boundary/ROW drafting and prepared boundary/ROW sheets for 2 months, prepared survey sheets for 1 month, revised topographic survey for 3 months		
c.	(1) TITLE AND LOCATION (CITY AND STATE) Master Lift Station, Loxahatchee River Environmental Control District, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2018 CONSTRUCTION (IF APPLICABLE)	
	(3) BRIEF DESCRIPTION (BRIEF SCOPE, SIZE, COST, ETC.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm. Surveyor of Record. Tony performed the topographic and legal survey, prepared the Survey Report, and performed boundary research for the master lift station No. 1 rehabilitation. Work activities for this project: Control Surveying for 2 months - Established and monitored controls for 2 months, performed bench level circuits in the field. Design, Right of Way, and Construction Surveying for 3 months - Preparation of Survey Report and Topographic Plan Sheet for 2 months, Performed Boundary Research and Drafting for 1 month		
d.	(1) TITLE AND LOCATION (CITY AND STATE) Fairfield Road & Metra/IL Route 134 Intersection Improvements, Lake County Division of Transportation, IL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2015 CONSTRUCTION (IF APPLICABLE)	
	(3) BRIEF DESCRIPTION (BRIEF SCOPE, SIZE, COST, ETC.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm. Professional Land Surveyor for engineering services as a subconsultant to help evaluate alternatives and prepare a Phase I Project Development Report for intersection improvements. Tony prepared plats of highway and legal descriptions for roadway intersection construction improvements. His tasks included research at the Lake County Recorder's office for documents and plats, boundary survey to locate existing property and right-of-way monumentation, surveying, and recovering section and quarter section monumentation. Work activities for this project: Control Surveying for 1 month - Established and monitored horizontal and vertical controls for 1 month. Design, Right of Way, and Construction Surveying for 3 months - Utility Locates for .5 month, Design Survey for 2.5 months. Right of Way Mapping for 1 month - Prepared and revised Plats and Legal Descriptions for 1 month.		
e.	(1) TITLE AND LOCATION (CITY AND STATE) Crystal Lake Rd/Silver Lake Rd Roundabout Phase I, Algonquin Township, IL	(2) YEAR COMPLETED PROFESSIONAL SERVICES 2014 CONSTRUCTION (IF APPLICABLE)	
	(3) BRIEF DESCRIPTION (BRIEF SCOPE, SIZE, COST, ETC.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm. Professional Land Surveyor for the right-of-way analysis and boundary assistance for the Phase I Report for a four-legged, single lane roundabout including intersection pavement widening, street lighting, and a landscaped center median. Work Activities for this project: Right of Way Mapping for 1 month - Performed ROW Research and Analysis for 1 month.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT (COMPLETE ONE SECTION E FOR EACH KEY PERSON.)			
12. NAME Rebecca Travis, PE, ENV SP		13. ROLE IN THIS CONTRACT QA/QC / Regional Manager, West Palm Beach Office	
		14. YEARS EXPERIENCE A. TOTAL 35 B. WITH CURRENT FIRM 16	
15. FIRM NAME AND LOCATION (CITY AND STATE) Baxter & Woodman, West Palm Beach, FL			
16. EDUCATION (DEGREE AND SPECIALIZATION) B.S., Civil Engineering, Iowa State University, 1984		17. CURRENT PROFESSIONAL REGISTRATION (STATE & DISCIPLINE) Licensed Professional Engineer, Florida; LEED Green Associate; Envision Sustainability Professional Credential; Florida Dept of Environmental Protection, Stormwater Erosion & Sedimentation Control Qualified Stormwater Management Inspector (#34512)	
18. OTHER PROFESSIONAL QUALIFICATIONS (PUBLICATIONS, ORGANIZATIONS, TRAINING, AWARDS, ETC.) National Association of Women in Construction: Chapter Treasurer, 1994 & 2003; Chapter Board member 1994 thru 2006, 2011 to present Society of Women Engineers: Chapter President, 1995; Water Environment Federation; American Water Works Association; American Public Works Association; Florida Stormwater Association			
19. RELEVANT PROJECTS			
a.	(1) TITLE AND LOCATION (CITY AND STATE) Pathway Replacement Project Along State Road A.1.A, Highland Beach, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2010	CONSTRUCTION (IF APPLICABLE)
	(3) BRIEF DESCRIPTION (BRIEF SCOPE, SIZE, COST, ETC.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm. Project Engineer for providing preliminary engineering design services for the replacement of approximately 3 miles of the existing asphalt pathway located along the west side of State Road A1A from the northern limits to the southern limits of the Town.		
b.	(1) TITLE AND LOCATION (CITY AND STATE) Congress Avenue Corridor Utilities Master Plan, Delray Beach, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2008	CONSTRUCTION (IF APPLICABLE)
	(3) BRIEF DESCRIPTION (BRIEF SCOPE, SIZE, COST, ETC.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm. Project Manager for development of sub-area master plan for water, wastewater and reclaimed water improvements needed to serve Congress Avenue re-development area.		
c.	(1) TITLE AND LOCATION (CITY AND STATE) West Atlantic Ave./N.W. 24th Ave. Intersection and Turn Lane Improvements, Delray Beach, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES In progress	CONSTRUCTION (IF APPLICABLE)
	(3) BRIEF DESCRIPTION (BRIEF SCOPE, SIZE, COST, ETC.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm. Project Manager for the design, permitting and bidding services for the proposed turn lane improvements along West Atlantic Avenue between Congress Avenue and Homewood Boulevard in Delray Beach, FL. The design services included the creation of a "T" configuration intersection, which will accommodate signalization at the intersection of NW 24th Avenue and West Atlantic Avenue and include an eastbound left and westbound right turn lane. All proposed roadway improvements are for the future development of the new Delray Beach High School.		
d.	(1) TITLE AND LOCATION (CITY AND STATE) Boca Raton Heights Infrastructure Improvements, Boca Raton, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (IF APPLICABLE)
	(3) BRIEF DESCRIPTION (BRIEF SCOPE, SIZE, COST, ETC.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm. Project Manager for the design, permitting and bidding for stormwater facilities, sanitary sewers, water mains and roadway reconstruction.		
e.	(1) TITLE AND LOCATION (CITY AND STATE) Rolling Green Stormwater Improvements, Boynton Beach, FL	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2010	CONSTRUCTION (IF APPLICABLE)
	(3) BRIEF DESCRIPTION (BRIEF SCOPE, SIZE, COST, ETC.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm. Project Engineer for the design, permitting, construction administration and full time inspection services for the Rolling Green Stormwater and Water Main Improvement Project at N.W. 17th Avenue. Specific project elements include stormwater improvements via exfiltration trench, water main upgrades and 30,500 feet of pavement resurfacing.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT*(Complete one Section E for each key person.)*

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
Michael R. Frecks	LiDAR Project Manager	a. TOTAL 43	b. WITH CURRENT FIRM 1
15. FIRM NAME AND LOCATION <i>(City and State)</i> TREKK Design Group, LLC – Kansas City, Missouri			
16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i> Associate Degree (1979) Land & Water Technology University of Nebraska at Curtis		17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i> Professional Land Surveyor Nebraska LS# 490	
18. OTHER PROFESSIONAL QUALIFICATIONS <i>(Publications, Organizations, Training, Awards, etc.)</i> Member National Society of Professional Surveyors, Member Professional Land Surveyors Association of Nebraska, Committee Member ASPRS Mobile Mapping, Member Southeast Nebraska Professional Land Surveyors Association, e- RailSafe Certification			

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
a.	Nitsch Engineering Easthampton/Easthampton, MA	PROFESSIONAL SERVICES 2019	CONSTRUCTION <i>(If applicable)</i>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Mobile LiDAR Scan data and imagery along 2.82 miles of Route 10 and cross streets. RMSe 0.018'		
b.	Mark Thomas & Company, Sign Inventory, Marin County, CA	PROFESSIONAL SERVICES 2019	CONSTRUCTION <i>(If applicable)</i>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Mobile LiDAR scan data to establish a Traffic Sign Inventory in the unincorporated County of Marin, California. The sign inventory data provided in a GIS data base compatible with ESRI formats.		
c.	Mark Thomas & Company, Google Charleston Road Improvement, Palo Alto, CA	PROFESSIONAL SERVICES 2019	CONSTRUCTION <i>(If applicable)</i>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE LiDAR scan acquisition and 360-degree imagery for design level base mapping of 0.91 miles of Charleston Road and 1.40 miles of cross streets and parking lot areas. Additional deliverable included digital terrain model and locations of all visible surface features such as water valves, fire hydrants, utility boxes, utility pedestals, power poles, street lights, edge of pavement, curbs, gutters, sidewalk, driveways, medians, trees, fences, and building corners spot elevations, 1foot contours and planimetric features. RMSe 0.044'		
d.	HDR, 35-46 KA-5126-01, Olathe, KS	PROFESSIONAL SERVICES 2019	CONSTRUCTION <i>(If applicable)</i>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Mobile LiDAR data along 7.2 miles of I-35 for extraction of design level Digital Terrain Model (DTM) surface and topo features. RMSe 0.021'		
e.	WSP, p512 Highway 140&24, Taunton, MA	PROFESSIONAL SERVICES 2019	CONSTRUCTION <i>(If applicable)</i>
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Collection of mobile LiDAR scan data, imagery and video along 5.92 miles of Fall River Expressway, Alfred M Bessette Memorial Highway including ramps and cross streets to create a base topographic map (containing all visible above ground features) and digital terrain model of the pavement surface. RMSe 0.018'		

STANDARD FORM 330 (6/2004) PAGE 2

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME Dennis Ritzel, PSM	13. ROLE IN THIS CONTRACT Licensed Surveyor - Project Manager	14. YEARS EXPERIENCE a. TOTAL 24 b. WITH CURRENT FIRM 7 Months	
15. FIRM NAME AND LOCATION (City and State) Ritzel-Mason, Inc. (Delray Beach, FL)			
16. EDUCATION (Degree and Specialization) BS / Geomatics Engineering / Florida Atlantic University (2013) AA / Palm Beach Community College (2009)		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) FL PSM #6953 (2013) FL EI #1100022325 (2019) UAS107 #1856855 (2018) CST #1102-1681 (2005)	

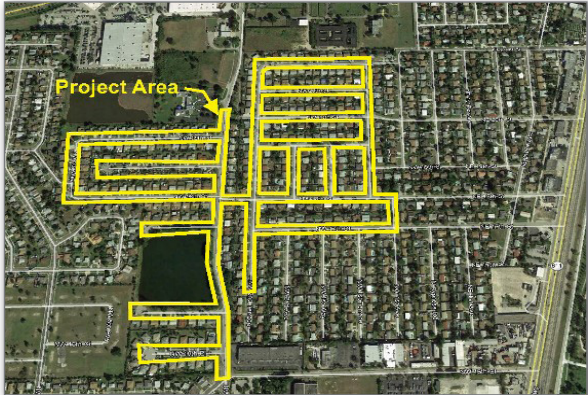
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Trenchless Technology Center (TTC) Utility Investigation School - 40 Hours
 Florida Surveying and Mapping Society

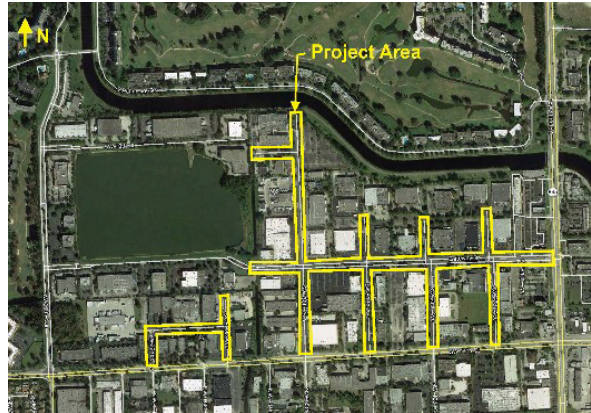
19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State) Exxon Mobil Tank Hydrostatic Broward County, Port Everglades, Ft. Lauderdale, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES CONSTRUCTION (If applicable) 6/2019 N/A	
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager to support contractor efforts for this hydrostatic project. Tasked to provide differential leveling to monitor fuel tank settlement as the tank was filled with water. Local site control was set and established for horizontal and vertical data. Project manager prepared a report and submitted to the client.		
(1) TITLE AND LOCATION (City and State) SR A1A Gulfstream Palm Beach County, Gulfstream, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES CONSTRUCTION (If applicable) 8/2019 (EST.) N/A	
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager to support surveyor and engineer to designate utilities in a 1.1-mile corridor of State Road A1A. PM coordinated with survey field crews to mark underground utilities within the right-of-way.		
(1) TITLE AND LOCATION (City and State) Snowy Place Palm Beach County, Delray Beach, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES CONSTRUCTION (If applicable) 4/2019 N/A	
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager to support engineer to as-built approximately 400 feet of forcemain and 400 feet of watermain. PM was tasked to create a record plan and profile. This as-built drawing was used to complete land owner's permit.		
(1) TITLE AND LOCATION (City and State) Division Avenue Maintenance Map Palm Beach County, West Palm Beach, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES CONSTRUCTION (If applicable) 5/2019 N/A	
d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm CADD Manager to support the surveyor of record. Ritzel-Mason performed CADD services for 1-mile of a Maintenance Right-of-Way Map for the City of West Palm Beach. Topographic was merged with existing right-of-way data. Parcels to be transferred to the City were delineated.		
(1) TITLE AND LOCATION (City and State) Bal Harbour Shoppes Miami-Dade County, Bal Harbour, FL	(2) YEAR COMPLETED PROFESSIONAL SERVICES CONSTRUCTION (If applicable) 6/2019 N/A	
e. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager to support the contractor's efforts. PM coordinated with survey field crews to provide subsurface utility designating, soft dig test holes, auger piles stakeout and drainage surveying services. All data was added to a specific purpose survey and provided to the client.		

STANDARD FORM 330 (REV. 8/2016) PAGE 2

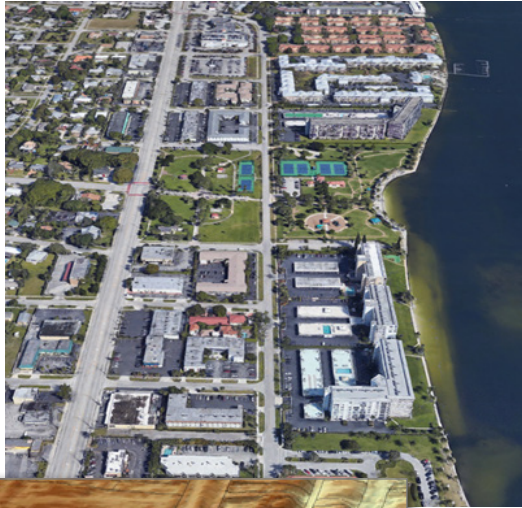
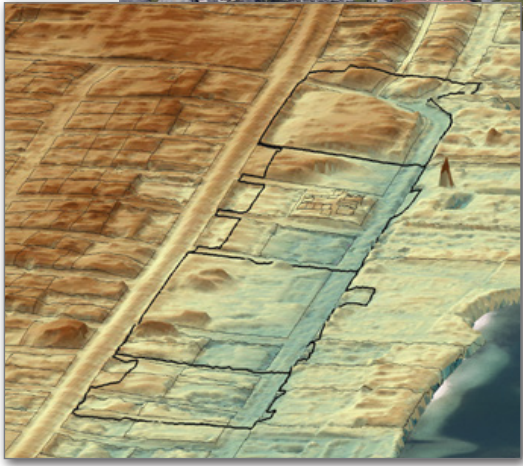
F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT (Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)			20. EXAMPLE PROJECT KEY NUMBER 1
21. TITLE AND LOCATION (City and State) Kendall Lake Neighborhood Drainage Improvements, City of Pompano Beach, FL		22. YEAR COMPLETED 2018 PROFESSIONAL SERVICES 2018 CONSTRUCTION (If applicable) Est. Fall 2019	
23. PROJECT OWNER'S INFORMATION			
a. PROJECT OWNER City of Pompano Beach, FL		b. POINT OF CONTACT NAME Ms. Tammy Good, PMP, CGC	
		c. POINT OF CONTACT TELEPHONE NUMBER 954-786-5512	
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and cost) <p>The City of Pompano Beach is implementing projects associated with the Stormwater Master Plan as prepared by Chen-Moore & Associates. As part of the Master Plan, Study Area 7 - Kendall Lake Neighborhood was identified as an area which experiences roadway flooding; and the existing lake does not have a positive outfall connection. The neighborhood is located on either side of NW 3rd Avenue between NW 21st Street and NW 16th Street.</p> <p>Baxter & Woodman will review the assumptions made and the study data in the Stormwater Master Plan as it relates to the Kendall Lake Neighborhood; review the improvement recommendations made for pipe size upgrades, for exfiltration trench or some combination of the two; review up to four (4) possible positive lake discharge options; re-run the stormwater modeling utilizing the Stormwater Management Model (SWMM) computer program; provide the results and our recommendations to the City for stormwater improvements to the Kendall Lake Neighborhood in preliminary design report and electronic (.pdf) format. The purpose of the project is to review and refine the previous modeling efforts, provide recommendations for a positive drainage outfall from the lake and provide our preliminary design for improvements to the Kendall Lake Neighborhood drainage system.</p> <p>Topographical survey and geotechnical analysis will also be completed in the project area as part of this Scope of Services.</p> <p>The stormwater design effort has been divided into two phases. Phase I will include the review of the Stormwater Master Plan assumptions and recommendations and Phase II will include modeling efforts for the purposes of sizing and cost estimating of proposed improvement options. A design report will be prepared outlining our findings and recommendations.</p> <p>The preliminary design report has been completed with the construction cost being estimated at \$3,450,000.</p>			
			
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME Baxter & Woodman, Inc.	(2) FIRM LOCATION (City and State) Ft. Lauderdale, FL	(3) ROLE Prime
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT (Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)		20. EXAMPLE PROJECT KEY NUMBER 2	
21. TITLE AND LOCATION (City and State) Gateway Drive Drainage Improvements, City of Pompano Beach, FL		22. YEAR COMPLETED In Progress PROFESSIONAL SERVICES In progress	
23. PROJECT OWNER'S INFORMATION			
a. PROJECT OWNER City of Pompano Beach, FL		b. POINT OF CONTACT NAME Ms. Tammy Good, PMP, CGC	
		c. POINT OF CONTACT TELEPHONE NUMBER 954-786-5512	
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and cost) <p>The City of Pompano Beach is implementing projects associated with the Stormwater Master Plan as prepared by Chen-Moore & Associates. As part of the Master Plan, Study Area 6 – Gateway Drive was identified as an area which has little existing drainage and reported problems with widespread and extended roadway ponding. The commercial and industrial area is bounded by West McNab Road to the south, by Powerline Road to the East, by SW 36th Avenue to the west and by the SFWMD C-14 Canal to the north. Broward County Water Control District #4 (BCWCD#4) owns and maintains an existing canal that runs north-south in the center of the Gateway Drive area and along the east side of an existing lake. The stormwater model recommends exfiltration trench along many of the side streets and along Gateway Drive. Also recommended are stormwater inlets and piping with a positive discharge outfall to the BCWCD#4 Canal.</p> <p>Baxter & Woodman will review the assumptions made and the study data in the Stormwater Master Plan as it relates to the Gateway Drive area; review the improvement recommendations made for the proposed exfiltration trench and piping with positive outfall discharge; re-run the stormwater modeling utilizing the Stormwater Management Model (SWMM) computer program; provide the results and our recommendations to the City for stormwater improvements to the Gateway Drive area in preliminary design report and electronic (GIS) formats. The purpose of the project is to review and refine the previous modeling efforts and provide a preliminary design for improvements to the Gateway Drive drainage system that will maximize the effectiveness of the exfiltration trench; provide for the best use of less expensive swales where appropriate; and interconnect proposed drainage pipe and inlet improvements with a positive drainage outfall. Topographical survey and geotechnical analysis will also be completed in the project area as part of this work effort.</p> <p>The project is currently in the Preliminary Design phase.</p>			
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME Baxter & Woodman, Inc.	(2) FIRM LOCATION (City and State) Ft. Lauderdale, FL	(3) ROLE Prime
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE



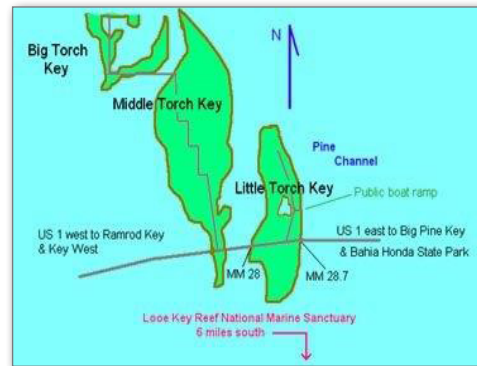
F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT (Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)		20. EXAMPLE PROJECT KEY NUMBER 3	
21. TITLE AND LOCATION (City and State) SW 4th Street/SW 6th Street/SW 7th Avenue, City of Delray Beach, FL		22. YEAR COMPLETED In Progress PROFESSIONAL SERVICES In progress CONSTRUCTION (if applicable)	
23. PROJECT OWNER'S INFORMATION			
a. PROJECT OWNER City of Delray Beach, FL		b. POINT OF CONTACT NAME Mr. Victor Majtenyi c. POINT OF CONTACT TELEPHONE NUMBER 561-243-7300	
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and cost) The City of Delray Beach (City) contracted with Baxter & Woodman to improve the roadways (approx. 1 .62 miles), paved alleys, sidewalks, swales, driveways, stormwater system, sanitary sewer system and provide decorative street lighting in the Southwest (SW) Neighborhood. The project includes the following streets and alleys: <ul style="list-style-type: none"> • SW 4th Street from South Swinton Avenue to SW 10th Avenue • SW 6th Street from SW 4th Avenue to SW 8th Avenue • SW 7th Avenue from SW 1st Street to SW 8th Court • SW 3rd Court from SW 10th Avenue to SW 8th Avenue • 6 unpaved alleyways within the project boundaries Project Components include: <ul style="list-style-type: none"> • Topographic survey • Pavement design • Paving of unpaved alleys • Investigating and upgrading existing storm drain pipes, inlets and manholes • Investigating and upgrading existing sanitary sewers, manholes and services • Sidewalks and swales • Upgraded pedestrian ramps, sidewalks and driveways • Signing and pavement markings • Lighting - Light Emitting Diode (LED) • Clean, video and inspect all sewer and drainage pipes 			
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME Baxter & Woodman	(2) FIRM LOCATION (City and State) West Palm Beach, FL	(3) ROLE Prime
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE






F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT (Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)		20. EXAMPLE PROJECT KEY NUMBER 4	
21. TITLE AND LOCATION (City and State) Lakeshore Drive Drainage System Design, Town of Lake Park, FL		22. YEAR COMPLETED In Progress PROFESSIONAL SERVICES In progress	
23. PROJECT OWNER'S INFORMATION			
a. PROJECT OWNER Town of Lake Park, FL		b. POINT OF CONTACT NAME Mr. Richard Scherle	
		c. POINT OF CONTACT TELEPHONE NUMBER 561-881-3304	
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and cost) <p>The Town of Lake Park contracted with Baxter & Woodman to provide engineering services for the design of drainage and other related improvements on Lakeshore Drive starting from the entrance of the Lake Park Marina north 3,220 feet to Castlewood Drive. Lake Shore Drive is prone to frequent flooding with road elevations ranging from 2.0 to 3.2 feet, NAVD. A drainage system was previously designed and a permit was issued by the South Florida Water Management District in 2011 which expired in 2016. Concerns over the Sea Level Rise (SLR) prompted the Town to enlist the services of MC, to redesign the project. Services include:</p> <ul style="list-style-type: none"> • Survey • Drainage System Design <ul style="list-style-type: none"> ◦ ICPR4 Modeling ◦ Level of Service Assessment ◦ Sea Level Rise Evaluation ◦ Pipe and Pump Station Sizing ◦ Water Quality Improvements <ul style="list-style-type: none"> • Pollution Control Device • Dry Detention in Park • Other Utilities <ul style="list-style-type: none"> ◦ Coordination with Seacoast Utilities ◦ Watermain and Sanitary Evaluation • Roadway Design <ul style="list-style-type: none"> ◦ Roadway Replacement/Mill and Overlay ◦ US 1 Corridor Coordination ◦ Sidewalks and Bike Paths ◦ Landscaping and Irrigation ◦ Lighting • Permitting <ul style="list-style-type: none"> ◦ ERP and Dewatering - SFWMD ◦ Submerged Lands - COE ◦ PBCHD ◦ Building Department • Public Outreach • Construction Services 			
 			
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME Baxter & Woodman, Inc.	(2) FIRM LOCATION (City and State) West Palm Beach, FL	(3) ROLE Prime
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT (Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)			20. EXAMPLE PROJECT KEY NUMBER 5
21. TITLE AND LOCATION (City and State) Jupiter Ocean & Racquet Club, Loxahatchee River District, FL		22. YEAR COMPLETED 2018 PROFESSIONAL SERVICES 2018	
23. PROJECT OWNER'S INFORMATION			
a. PROJECT OWNER Loxahatchee River District, FL		b. POINT OF CONTACT NAME Mr. Kris Dean, PE	
		c. POINT OF CONTACT TELEPHONE NUMBER 561-747-5700 Ext. 110	
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and cost)			
<p>The Loxahatchee River Environmental Control District (District) provides wastewater service to Jupiter, Tequesta, portions of Juno Beach, unincorporated northern Palm Beach County and unincorporated southern Martin County. The project consists of preparing topographic survey for the Jupiter Ocean & Racquet Club Force Main Replacement Phase II. The survey services include:</p> <ul style="list-style-type: none"> Locating existing vertical and horizontal control, and below ground existing facilities and utilities along the proposed force main route; Identifying platted right-of-way and dedicated easements according to the recorded plats; and Survey of the existing lift station site. 			
 <p>Exhibit A Survey Location Map</p>			
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME Baxter & Woodman, Inc.	(2) FIRM LOCATION (City and State) West Palm Beach, FL	(3) ROLE Prime
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT (Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)		20. EXAMPLE PROJECT KEY NUMBER 6		
21. TITLE AND LOCATION (City and State) Middle Torch Key and Big Torch Key LPSS, Florida Keys, FL		22. YEAR COMPLETED Ongoing <table border="1"> <tr> <td>PROFESSIONAL SERVICES In progress</td> <td>CONSTRUCTION (If applicable)</td> </tr> </table>	PROFESSIONAL SERVICES In progress	CONSTRUCTION (If applicable)
PROFESSIONAL SERVICES In progress	CONSTRUCTION (If applicable)			
23. PROJECT OWNER'S INFORMATION				
a. PROJECT OWNER Florida Keys Aqueduct Authority	b. POINT OF CONTACT NAME Ms. Stephanie Bruno	c. POINT OF CONTACT TELEPHONE NUMBER 305-745-3991		
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and cost) <p>Baxter & Woodman is providing engineering services for the design and permitting of a wastewater conveyance system for the Middle Torch Key & Big Torch Key Low Pressure Sewer System (LPSS).</p> <p>Middle Torch Key & Big Torch Key are located at Mile Marker 28. The infrastructure improvements include:</p> <ul style="list-style-type: none"> • 58 low pressure pump stations • 1 submersible lift station • 30,000 feet of force main • 1,400 feet of directional drill <p>Design components of the project include the following:</p> <ul style="list-style-type: none"> • Complete survey of project area • Complete ongoing as-built survey drawings of new force main • Conduct soil investigation of project area • Obtain underground utility soft-dig data • Develop wastewater system hydraulic model • Review environmental constraints in project area (i.e. wetlands) • Prepare detailed plan & profile design drawings • Prepare lift station mechanical & electrical design • Prepare low pressure/grinder pump stations mechanical & electrical design elements • Prepare & process permit applications to FDEP & FDOT • Prepare technical specifications • Prepare cost estimates <p>The project was bid for a construction cost of \$1.65M. The project is currently in the final stages of construction.</p>				
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT				
a.	(1) FIRM NAME Baxter & Woodman, Inc.	(2) FIRM LOCATION (City and State) Ft. Lauderdale, FL	(3) ROLE Prime	
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE	
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE	




F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT (Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)		20. EXAMPLE PROJECT KEY NUMBER 7	
21. TITLE AND LOCATION (City and State) No Name Key LPSS, Florida Keys, FL		22. YEAR COMPLETED In Progress PROFESSIONAL SERVICES In progress CONSTRUCTION (if applicable)	
23. PROJECT OWNER'S INFORMATION			
a. PROJECT OWNER Florida Keys Aqueduct Authority		b. POINT OF CONTACT NAME Ms. Stephanie Bruno c. POINT OF CONTACT TELEPHONE NUMBER 305-745-3991	
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and cost) <p>No Name Key is an island community located in the lower Keys which connects to Big Pine Key by a concrete bridge. The residents (total of 45 houses) are currently served by septic tanks. Recently, commercial electric power was extended to No Name Key. The residents that are not hooked up to commercial electric power use a combination of solar energy and diesel or gas generators.</p> <p>The Florida Keys Aqueduct Authority (FKAA) has asked Baxter & Woodman to provide CEI services which included verification inspection of 2,000 feet of 2-inch stainless steel force main pipe installation. Due to the pipes inaccessible location under the bridge deck, a Drone inspection needed to be utilized. The Drone video and photographs identified several locations that were deficient and need to be corrected by the Contractor. B&W provided two Drone Flight inspections to verify the corrective work done by the Contractor was completed satisfactorily.</p> <p>Watch drone video of bridge piping inspection, part 2: https://bit.ly/2ynjRQS</p>			
  			
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME Baxter & Woodman, Inc.	(2) FIRM LOCATION (City and State) Ft. Lauderdale, FL	(3) ROLE Prime
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT (Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)		20. EXAMPLE PROJECT KEY NUMBER 8	
21. TITLE AND LOCATION (City and State) 2nd Avenue South Roadway Improvements, City of Lake Worth, FL		22. YEAR COMPLETED In Progress PROFESSIONAL SERVICES 2018	
23. PROJECT OWNER'S INFORMATION			
a. PROJECT OWNER City of Lake Worth, FL		b. POINT OF CONTACT NAME Mr. Felipe Lofaso	
		c. POINT OF CONTACT TELEPHONE NUMBER 561-586-1720	
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and cost) <p>The City of Lake Worth contracted with Baxter & Woodman to provide survey services, utility locates (e.g. soft digs), geotechnical services, final design, permitting, bidding assistance, construction administration services and periodic inspections for the 2nd Avenue South Roadway Improvements project. The project is located within the City's Community Development Block Grant (CDBG) target area. CDBG funding was provided for the project through Palm Beach Department of Economic Sustainability.</p> <p>The project includes the following components:</p> <ul style="list-style-type: none"> • Replacement of the existing roadway section. • Roadway striping & signage. • New sidewalks and curbing (ADA compliant). • Green space. • Bike striping and symbols. • Heavy duty pavement section for downtown truck bypass. <p>The project is currently under construction. The project was bid with a construction cost of \$663,711.</p>			
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME Baxter & Woodman, Inc.	(2) FIRM LOCATION (City and State) Ft. Lauderdale, FL	(3) ROLE Prime
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE



F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT (Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)		20. EXAMPLE PROJECT KEY NUMBER 9	
21. TITLE AND LOCATION (City and State) Central Cudjoe Regional Wastewater Collection System Inner Islands		22. YEAR COMPLETED In Progress PROFESSIONAL SERVICES In progress CONSTRUCTION (if applicable)	
23. PROJECT OWNER'S INFORMATION			
a. PROJECT OWNER Florida Keys Aqueduct Authority		b. POINT OF CONTACT NAME Ms. Stephanie Bruno	
		c. POINT OF CONTACT TELEPHONE NUMBER 305-745-3991	
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and cost) Baxter & Woodman provided engineering services for the design and permitting of a wastewater conveyance system for the Central Cudjoe Regional Wastewater Collection System Inner Islands that combine various wastewater collection system technologies for a "hybrid" system consisting of a combination of one conventional gravity sewer systems to serve densely populated areas, and two low pressure sewer systems to serve the less dense and outer/hard to reach areas. The Inner Islands (Upper Sugarloaf Key, Cudjoe Key and Summerland Key) are located between Mile Markers 20 and 25. The infrastructure improvements included: <ul style="list-style-type: none"> • 583 low pressure pump stations • 26 submersible lift stations • 132,180 feet of force main • 72,390 feet of gravity sewers • 260 sanitary manholes Design components of the project included the following: <ul style="list-style-type: none"> • Complete aerial survey of project area • Conduct soil investigation of project area • Obtain underground utility soft-dig data • Develop wastewater system hydraulic model • Review environmental constraints in project area (i.e. wetlands) • Prepare detailed plan & profile design drawings • Prepare lift station mechanical & electrical design • Prepare low pressure/grinder pump stations mechanical and electrical design elements • Prepare & process permit applications to FDEP & FDOT • Prepare technical specifications • Prepare cost estimates The project is currently in the Construction Phase, with a total construction cost of \$33,000,000.			
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME Baxter & Woodman, Inc.	(2) FIRM LOCATION (City and State) Ft. Lauderdale, FL	(3) ROLE Prime
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT (Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)		20. EXAMPLE PROJECT KEY NUMBER 10	
21. TITLE AND LOCATION (City and State) Pine Island Force Main Replacement and Springtree Water Treatment Plant Design Improvements (Survey and SUE Work with Carollo Engineers)		22. YEAR COMPLETED In Progress PROFESSIONAL SERVICES CONSTRUCTION (if applicable)	
23. PROJECT OWNER'S INFORMATION			
a. PROJECT OWNER City of Sunrise, FL		b. POINT OF CONTACT NAME Chris Reinbold, PE (Carollo Engineers)	
		c. POINT OF CONTACT TELEPHONE NUMBER 561-868-6400	
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (include scope, size, and cost)			
 <p>Baxter & Woodman provided 17,000 feet of topographic roadway survey and SUE locates ROW to ROW for the installation of a proposed force main. A Drone Flight was drone at the Water Treatment Plant in addition to topographic survey work at the Water Treatment Plant Improvements for Carollo Engineer's. The survey fee for this work was \$180,000.00.</p>			
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME Baxter & Woodman, Inc.	(2) FIRM LOCATION (City and State) Ft. Lauderdale, FL	(3) ROLE Prime
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

G. KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS											
26. NAMES OF KEY PERSONNEL (From Section E, Block 12)	27. ROLE IN THIS CONTRACT (From Section E, Block 13)	28. EXAMPLE PROJECTS LISTED IN SECTION F (Fill in "Example Projects Key" section below before completing table. Place "X" under project key number for participation in same or similar role.)									
		1	2	3	4	5	6	7	8	9	10
Mark L. Dachsteiner, PE	Client Services Manager/ Construction Manager						X	X		X	X
Thomas A. English, PSM, PLS	Project/Survey Manager					X	X	X		X	X
Anthony E. Bianchin, PE, PLS	Survey Technician; QA/QC								X		
Rebecca Travis, PE, ENV SP	QA/QC	X	X	X	X				X		
Denis Ritzel, PSM	Project Mngr., SUE										
Michael Freck, PLS	Survey; Mobile LiDAR; Laser Scan										

29. EXAMPLE PROJECTS KEY

NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)
1	Kendall Lake Neighborhood Drainage Improvements, City of Pompano Beach, FL
2	Gateway Drive Drainage Improvements, City of Pompano Beach, FL
3	SW 4th Street/SW 6th Street/SW 7th Avenue, City of Delray Beach, FL
4	Lakeshore Drive Drainage System Design, Town of Lake Park, FL
5	Jupiter Ocean & Raquet Club, Loxahatchee River District, FL
6	Middle Torch Key and Big Torch Key LPSS, Florida Keys, FL
7	No Name Key LPSS, Florida Keys, FL
8	2nd Avenue South Roadway Improvements, City of Lake Worth, FL
9	Central Cudjoe Regional Wastewater Collection System Inner Islands, Florida Keys, FL
10	Pine Island Force Main Replacement and Springtree Water Treatment Plant Design Improvements (Survey and SUE Work with Carollo Engineers)

H. ADDITIONAL INFORMATION

TEAM OVERVIEW

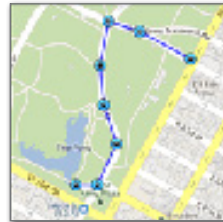
Baxter & Woodman, Inc. is a forward-thinking civil engineering firm dedicated to combining sound engineering practices with emerging technologies to provide sustainable, innovative solutions. We offer a full range of municipal services from project inception to construction close-out. Services for the CRA's surveying and mapping project will be coordinated from our local Fort Lauderdale office.



Surveying



Drone Services



GIS



Electrical



Transportation



Stormwater



Water



Wastewater



Infrastructure



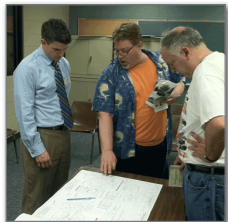
Bridges/Structures



Environmental



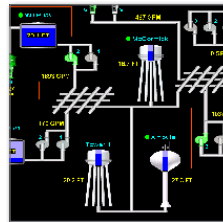
Construction



Public Outreach



Sustainability



Automation/Controls



Grants/Funding

I. AUTHORIZED REPRESENTATIVE
The foregoing is a statement of facts.

31. SIGNATURE

32. DATE

August 27, 2019

33. NAME AND TITLE

Mark L. Dachsteiner, PE / Region Manager - Fort Lauderdale Office

H. ADDITIONAL INFORMATION

30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACH ADDITIONAL SHEETS AS NEEDED.

WHY CHOOSE BAXTER & WOODMAN?



Demonstrated Success

Baxter & Woodman has completed numerous surveying and mapping projects to support improvements related to residential/commercial site development, roadway reconstruction, utility rehabilitation and more for county agencies and local municipalities in Broward County, Monroe County and Palm Beach County. We have assembled a cohesive and experienced team who understands the CRA's expectations.



Collaborative Communication

Honest and proactive communication is a cornerstone of our business philosophy. We provide solutions as challenges are encountered and will work closely with CRA Staff to make your project successful. We take ownership of our projects and develop practical solutions.



Innovative Use of Technology

Our experienced and full service surveying team will deliver innovative ideas to support our work in the City. Recently, our staff completed **over three miles** of "as-built" data collection for a new water main in Middle Torch Key **in less than two days**. We completed this task by use of Virtual Reference Station (VRS) GPS technologies. Baxter & Woodman, Inc. implements innovative technological advances through the use of survey grade RTK GPS units; robotics; digital levels; high definition survey (HDS) laser scanning; GIS integration; Unmanned Aerial Systems (UAV) and today's best software. Our team is committed to using state of the art surveying technology methods to save the Town time and money.

*"Baxter & Woodman was also recently re-selected to continue providing Engineering Services to the FKAA through our Capital Improvements Projects and General Engineering Services Contracts. We are **very pleased with the quality of work and responsiveness of Baxter & Woodman and recommend their engineering services.**"*

JoLynn Reynolds, Manager of Engineering
Florida Keys Aqueduct Authority, Key West, FL

*"You all are a pleasure to work with; your **thoroughness and quality of work is top notch.**"*

Stephanie Bruno,
Florida Keys Aqueduct Authority, Key West, FL

H. ADDITIONAL INFORMATION

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MANAGEMENT CAPABILITIES

Baxter & Woodman specializes in consulting engineering, surveying, and technology services to municipalities, state agencies, county governments, and sanitary districts. With this public sector focus, we have developed the staff, resources and training to provide the full range of engineering, survey, and technology services required by today's municipalities and public agencies.

Clients receive surveying, planning, design, construction, and operation/maintenance services for a variety of projects including transportation, wastewater, water, stormwater, GIS, operations, IT consulting and SCADA technology, and general municipal public works.

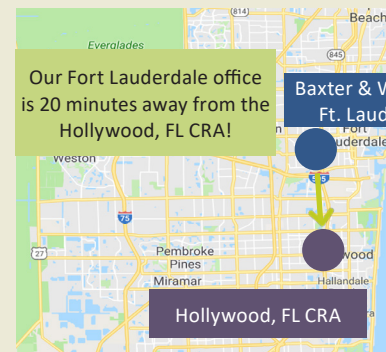
The firm's work force totals 258 talented individuals made up of sanitary, civil, transportation, mechanical, structural, electrical, computer, and environmental engineers. The engineering staff is supported by trained technicians, licensed water and wastewater operators, licensed electricians, registered surveyors, GIS/GPS analysts, CAD operators, construction inspectors, and administrative assistants.

The firm is headquartered in Crystal Lake, Illinois. Regional offices are located in:

- Fort Lauderdale, FL
- West Palm Beach, FL
- Key West, FL
- Chicago, IL
- Mokena, IL
- DeKalb, IL
- Peoria, IL
- Naperville, IL
- Burlington, WI
- Madison, WI
- Milwaukee, WI



PRIMARY OFFICE LOCATION



**6600 North Andrews Ave.
Fort Lauderdale, FL 33309**

Main Point of Contact:
Mark L. Dachsteiner, PE
815-444-3300
mdachsteiner@
baxterwoodman.com

H. ADDITIONAL INFORMATION

30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACH AD-

SURVEYING SERVICES

Baxter & Woodman, Inc. implements the most innovative technological advances in the survey profession through the use of survey grade RTK GPS units; robotics; digital levels; high definition survey (HDS) laser scanning; mobile mapping; GIS integration; Unmanned Aerial Systems (UAV) and today's best software.

Our survey crews are highly trained in the use of the Global Navigation Satellite System (GNSS) as a tool to establish horizontal and vertical datums. Understanding GNSS and its limitations are key for the success of any project, and Baxter & Woodman is a leader in the use of this technology. Digital levels are used for transferring vertical data on all control points providing high accuracy. Robotic total stations with data collectors are used to collect measurements. Our survey department uses attribute libraries within the data collector to enhance the descriptions of collected points. The library can be customized to meet your needs.

SURVEY EXPERTISE

- Residential and Commercial Plats of Survey
- Boundary Surveys
- ALTA/NSPS Land Title Surveys (previously ALTA/ACSM)
- Hydrographic Surveys/Bathymetric (Underwater Depth Contour)
- Right-of-Way Surveys
- Construction Layout Services
- As-Built Surveys
- Dedication Plats
- Easement Preparation
- Condominium Surveys
- Legal Descriptions
- Mobile Mapping (Laser Scanning)
- Geographic Information System (GIS)

HYDROGRAPHIC SURVEYING

Baxter & Woodman provides hydrographic surveying which conducted with a remote control operated boat with GPS. We recently provided hydrographic surveying for MGM General Contracting which included determining the depth of the lake next to Pine Crest School.

**SURVEY MANAGER****Thomas English, PSM, PLS**

Tom has over 39 years of experience, including management of survey services for residential/commercial site development, roadway widening and reconstruction, and various other projects. He is a professional surveyor and mapper in the state of Florida, as well as five other states.

- ALTA, title, topographic, and boundary surveys,
- Generic utility locating and GIS mapping,
- Residential subdivision and transportation route analysis, and
- Construction stakeout and as-built survey.



H. ADDITIONAL INFORMATION

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DRONE SERVICES

Technological advances, increased ease of use, lower costs, and improved overall functionality have turned unmanned aerial vehicles (UAVs or drones) into valuable tools.

Drones are Ideal for...

- Traffic Analysis
- Hard-to-Access Areas such as:
- Bridge Inspection, Water Tower Inspection,
- Facilities (Roofs) Inspection, and
- Confined Space Assessment
- Site-Specific Aerial Mapping
- Environmental Data Collection
- High Resolution Images and Video
- 3D Data Collection

- Thermal Imagery
- Utility Corridor Survey
- Supplement Topographic Surveys

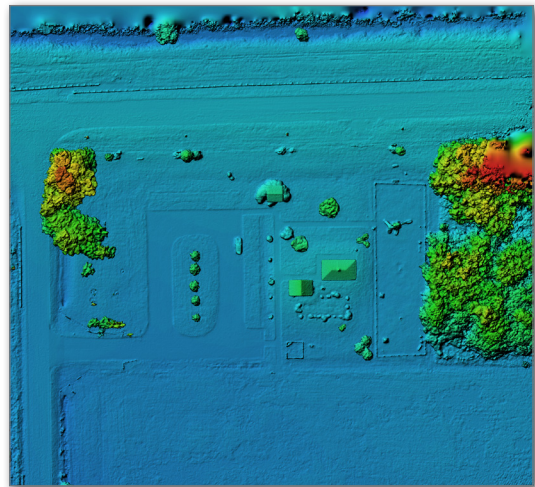
Advantages of Using a Drone

- Collect data quickly and cost efficiently
- Capture aerial imagery
- Monitor project progress
- Proactively identify potential issues such as algae blooms, invasive species, etc.
- Mitigate safety risks and reduce workers' exposure in high-risk environments

Images below depict our surveyor's drone flight captures over Hollywood, FL.



DRONE SERVICES USED FOR PARK DESIGN



EXISTING UTILITY LOCATION OF BUILDINGS, PIPING, TANKS, LIGHT POLES, ROOF CONDITIONS, GIS FEATURES



EXISTING ROADWAY/PAVEMENT CONDITIONS, PAVEMENT MARKINGS, ASSISTANCE WITH DRAINAGE IMPROVEMENTS, COLLECTION OF GIS INFORMATION



H. ADDITIONAL INFORMATION

30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACH ADDITIONAL SHEETS AS NEEDED.

| MOBILE LiDAR SERVICES |

Welcome to the exciting world of 3D laser scanning called LiDAR.

TREKK's philosophy of IMPROVING LIVES begins with safety. Implementing mobile LiDAR as part of our in-house transportation toolbox provides safer data acquisition in dangerous environments. This safety benefit for our crews and the traveling public extends beyond industry standards, reducing risk for the entire project.

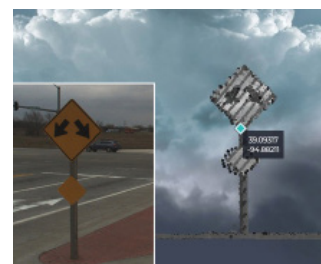
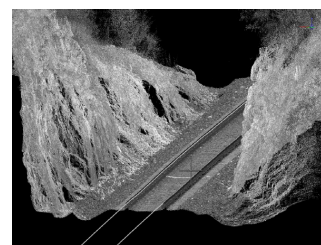
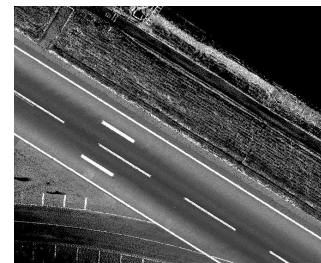
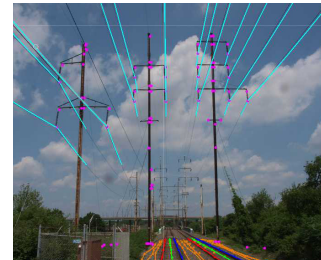
Our team combines sound conventional survey practices with 3D mobile LiDAR acquisition for survey-grade data that is available when you need it, how you need it and where you need it, accessed right at the desktop. No costly revisits to the field. Cut sections in AutoCAD wherever needed. Apply time-stamped HD images with mobile LiDAR data for a virtual walk of the area. This data is used to enhance design and construction processes, compress schedules, reduce cost, avoid project overruns and minimize risk.

Mobile LiDAR can be used in the following applications:

Topographic Surveys <ul style="list-style-type: none"> Survey-grade Planimetrics Design-grade Survey 	Tunnels <ul style="list-style-type: none"> Clearances Identifies Features
Asset Management <ul style="list-style-type: none"> Sign Inventory MUTCD Designations Encroachments Utility Pole Attachments/Inventory 	Transportation Design <ul style="list-style-type: none"> Identify shoulders, striping, gore areas Streetscapes and Building footprints Pavement ADA Compliance
Rail <ul style="list-style-type: none"> Alignment Top of Rail Profiles Ballast PTC Inventory and Compliance Overhead Catenary Clearances 	Airport <ul style="list-style-type: none"> Elevations at Joint Patterns FAA design and layout as-builts Asset Inventory for FAA compliance Centerline slope Glide clearance profile Runway smoothness analysis Homeland Security Support Fence Perimeter topographic survey
Bridges <ul style="list-style-type: none"> Identifies concrete spauling/pitting Forensic ID rebar placement Bridge Clearances 	

The deliverables vary depending on the end use of the project scope. Our team has an extensive history with the use of TopoDOT from roadway asset identification data and 3D models.

We apply all national standards for field investigation and post-processing. Some of the standards include Moving Ahead for Progress in the 21st Century (MAP-21), National CAD Standards (NCS), and the American Standard Code for Information Interchange (ASCII), all of which allow sharing of files in a Building Information Modeling (BIM) work environment, if needed. BIM also helps reduce costs and improve turnaround time. In conjunction with the ASCII file format we can deliver the final product in multiple file formats. Our strong background in Bentley MicroStation, GEOPAK Survey, AutoCAD, InROADS, RECAP Pro, Navisworks, Revit, InRoads 360, TopoDOT, and InRoads can be



TREKK

H. ADDITIONAL INFORMATION

30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACH ADDITIONAL SHEETS AS NEEDED.

| ABOUT TREKK |



TREKK Design Group, LLC (TREKK) is a multi-disciplined, women-owned civil engineering and surveying firm, dedicated to IMPROVING LIVES in the markets we serve. Our team provides holistic, common sense solutions to communities across the Midwest. We are proud to be certified as a Small Business SBA 8(a) Enterprise and Disadvantaged/Women Owned Business Enterprise (D/WBE).

Headquartered in Kansas City, Missouri, TREKK our team provides holistic, common sense solutions to communities across the Midwest with offices in Springfield, Columbia and St. Louis, Missouri; Kansas City and Lawrence, Kansas; Omaha, Nebraska; and Memphis, Tennessee.

TREKK prides itself on providing quality civil engineering design and consulting services while meeting the budgets and scheduled deadlines of our clients. We have a reputation for consistently delivering successful projects and exceeding client expectations.

Our staff of more than 125 individuals includes civil engineers specializing in water/wastewater, transportation, traffic and site development; GIS technicians and asset managers; construction inspectors; surveyors; and wastewater field technicians. TREKK is one of only a few engineering firms in the Midwest to offer comprehensive services for the evaluation, condition assessment, diagnosis and rehabilitation of sanitary and combined sewer systems.

TREKK offers a full compliment of consulting services, including:

- Mobile LiDAR
- Survey
- Civil Engineering
- Traffic Engineering
- Transportation Engineering
- Structural Engineering
- Water and Wastewater Engineering
- Wastewater Field Services
- Utility Coordination
- Construction Inspection and Observation
- Asset Management and GIS Services



TREKK

H. ADDITIONAL INFORMATION

30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACH ADDITIONAL SHEETS AS NEEDED.

AWARDS AND ACCOMPLISHMENTS

Baxter & Woodman has provided reliable and cost-effective solutions to our client's real-world challenges. Many of these solutions have been recognized for their high level of achievements, value and ingenuity by our peer associations. We are honored to be recognized for our past engineering accomplishments.





ADDITIONAL HONORS

South Elgin, IL - WWTC Phase 2 Combined Heat & Power Improvements - APWA Fox Valley Branch 2019 Project of the Year, Transportation, Less than \$5M

City of Oak Forest, IL - Performance Contract - APWA City Branch 2019 Project of the Year, Environment, Less than \$25M

Madison Metropolitan Sewerage District, WI - Pumping Station 15 - ACEC, WI - Engineering Excellence Wisconsin State Finalist

ARCHITECT-ENGINEER QUALIFICATIONS					1. SOLICITATION NUMBER (If any)	
PART II - GENERAL QUALIFICATIONS						
(If a firm has branch offices, complete for each specific branch office seeking work.)						
2a. FIRM (OR BRANCH OFFICE) NAME				3. YEAR ESTABLISHED		4. DUNS NUMBER
Baxter & Woodman, Inc.				1946		047569686
2b. STREET				5. OWNERSHIP		
6600 North Andrews Avenue, Suite 100				a. TYPE		
2c. CITY				Corporation		
2d. STATE				b. SMALL BUSINESS STATUS		
2e. ZIP CODE				N/A		
Fort Lauderdale				7. NAME OF FIRM (If block 2a is a branch office)		
6a. POINT OF CONTACT NAME AND TITLE				Baxter & Woodman, Inc.		
Mark L. Dachsteiner, PE / Regional Manager, Fort Lauderdale Office				8a. FORMER FIRM NAME(S) (If any)		
6b. TELEPHONE NUMBER				8b. YR. ESTABLISHED		8c. DUNS NUMBER
954-945-5483				1998		
6c. E-MAIL ADDRESS						
mdachsteiner@baxterwoodman.com						
Mathews Consulting, Inc.						
9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. No. of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM	(2) BRANCH	A12	Automation, Controls, Instrumentation	8
02	Administrative	25	1	B02	Bridges	6
08	CADD Technician	13	3	C13	Computer Facilities, Computer Service	8
12	Civil Engineer	86	11	C15	Construction Management	8
15	Construction Inspector	14	6	E03	Electrical Studies and Design	3
16	Construction Manager	6	1	G04	Geographic Information Systems	5
21	Electrical Engineer	3		I03	Industrial Waste Treatment	6
29	GIS Specialist	6		P06	Planning	7
38	Land Surveyor	8	3	S04	Sewage Collection, Treatment & Disposal	8
57	Structural Engineer	3		S09	Structural Design	5
58	Technical	33		S10	Surveying	6
60	Transportation Engineer	41	1	S13	Stormwater Handling/Facilities	7
62	Water Resources Engineer	8		T03	Traffic & Transportation Engineering	10
				W02	Water Resources; Hydrology; Ground Water	6
	Other Employees			W03	Water Supply; Treatment; Distribution	8
	Total	258	26			
11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (Insert revenue index number shown at right)		PROFESSIONAL SERVICES REVENUE INDEX NUMBER				
		1. Less Than \$100,000 6. \$2 million to less than \$5 million 2. \$100,000 to less than \$250,000 7. \$5 million to less than \$10 million 3. \$250,000 to less than \$500,000 8. \$10 million to less than \$25 million 4. \$500,000 to less than \$1 million 9. \$25 million to less than \$50 million 5. \$1 million to less than \$2 million 10. \$50 million or greater				
a. Federal Work						
b. Non-Federal Work						
c. Total Work						
12. AUTHORIZED REPRESENTATIVE The foregoing is a statement of facts.						
a. SIGNATURE						b. DATE
						August 27, 2019
c. NAME AND TITLE						
Mark L. Dachsteiner, PE						

ARCHITECT-ENGINEER QUALIFICATIONS					1. SOLICITATION NUMBER (If any)	
PART II - GENERAL QUALIFICATIONS						
(If a firm has branch offices, complete for each specific branch office seeking work.)						
2a. FIRM (or Branch Office) NAME TREKK Design Group, LLC				3. YEAR ESTABLISHED 2002		4. UNIQUE ENTITY IDENTIFIER 192522345
2b. STREET 1411 E. 104th Street				5. OWNERSHIP		
2c. CITY Kansas City				2d. STATE MO		2e. ZIP CODE 64131
6a. POINT OF CONTACT NAME AND TITLE Kimberly Robinett, Managing Partner				a. TYPE Limited Liability Corporation		
6b. TELEPHONE NUMBER 816-874-4655				b. SMALL BUSINESS STATUS Women Owned, SBA 8(a) certified		
6c. E-MAIL ADDRESS krobinett@trekkdesigngroup.com				7. NAME OF FIRM (If Block 2a is a Branch Office)		
8a. FORMER FIRM NAME(S) (If any)				8b. YEAR ESTABLISHED		8c. UNIQUE ENTITY IDENTIFIER
Robinett Engineering, LLC Lee & Robinett Engineers, LLC						
9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. Number of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM	(2) BRANCH			
02	Administrative	12		C15	Construction Management	1
08	CADD Technician	6		C16	Construction Surveying	2
12	Civil Engineer	6		C18	Cost Estimating; Cost Engineering	1
14	Computer Programmer	1		D05	Digital Elevations and Terrain Mod	1
15	Construction Inspector	4		G04	Geographic Information System	1
28	Geodetic Surveyor	3		H07	Highways; Streets; Parking Lots	4
29	GIS Specialist	5		L02	Land Surveying	3
32	Hydraulic Engineer	2		L06	Lighting (Streets)	1
38	Land Surveyor	8		S04	Sewage Collection, Treatment	6
48	Project Manager	13		S09	Structural Design; Retaining/Noise	2
52	Sanitary Engineer	6		S10	Surveying; Platting	1
58	Technician/Analyst	56		S13	Storm Water Handling & Facilities	2
60	Transportation Engineer	9		T02	Testing and Inspection Services	4
62	Water Resources Engineer	1		T03	Traffic and Transportation Engineer	4
57	Structural Engineer	1		T04	Topographic Surveying and Mappi	4
				W02	Water Resources; Hydrology	1
				W03	Water Supply; Treatment and Dist	3
				W04	Zoning; Land Use Studies	1
	Other Employees	7				
Total		140				
11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (Insert revenue index number shown at right)				PROFESSIONAL SERVICES REVENUE INDEX NUMBER		
a. Federal Work	1	1. Less than \$100,000				
b. Non-Federal Work	8	2. \$100,000 to less than \$250,000				
c. Total Work	8	3. \$250,000 to less than \$500,000				
		4. \$500,000 to less than \$1 million				
		5. \$1 million to less than \$2 million				
		6. \$2 million to less than \$5 million				
		7. \$5 million to less than \$10 million				
		8. \$10 million to less than \$25 million				
		9. \$25 million to less than \$50 million				
		10. \$50 million or greater				
12. AUTHORIZED REPRESENTATIVE						
a. SIGNATURE 						b. DATE 8/27/19
c. NAME AND TITLE Kimberly Robinett, Managing Partner						

STANDARD FORM 330 (REV. 8/2016) PAGE 6

1. SOLICITATION NUMBER (If any)

(If a firm has branch offices, complete for each specific branch office seeking work.)

8a. FORMER FIRM NAME(S) (If any)Mason & Associates Surveying and Mapping, Inc.

9. EMPLOYEES BY DISCIPLINE

10. PROFILE OF FIRM'S EXPERIENCE

ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

1. Less than \$100,000	6. \$2 million to less than \$5 million
2. \$100,000 to less than \$250,000	7. \$5 million to less than \$10 million
3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million
4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million
5. \$1 million to less than \$2 million	10. \$50 million or greater

The foregoing is a statement of facts.

a. SIGNATURE 

b. DATE
8/27/19

c. NAME AND TITLE
Dennis Ritzel, PSM - Director of Business Operations

This section provides our consultant profile and statement of organization.

A. STATE WHETHER YOUR ORGANIZATION IS NATIONAL, REGIONAL OR LOCAL.

Baxter & Woodman is an national civil engineering firm and was incorporated February 1, 1969 in the State of Illinois. Municipalities, counties and state agencies are served from offices in Illinois, Wisconsin and Florida. The firm is authorized to transact business in the State of Florida under the Department of State Certification No. F16000002059.

B. STATE THE LOCATION OF THE OFFICE FROM WHICH YOUR WORK IS TO BE PERFORMED.

Baxter & Woodman will perform all work out of our local South Florida offices. Contact information for Baxter & Woodman's local Florida Offices are as follows:

Address: 6600 N. Andrews Ave., Suite 100
Fort Lauderdale, FL 33309
Contact: Mark Dachsteiner, PE
Regional Manager-Fort Lauderdale/Key West
Telephone: 815-444-3300
Fax: 561-655-6179
Email: MDachstiner@baxterwoodman.com



Address: 477 S. Rosemary Avenue, Suite 330
West Palm Beach, Florida 33401
Contact: Rebecca Travis, PE, EVP SP,
Vice President-West Palm Beach
Telephone: 561-655-6175
Fax: 561-655-6179
Email: RTravis@baxterwoodman.com



C. DESCRIBE THE FIRM INCLUDING SIZE, RANGE OF ACTIVITIES, ETC.

Baxter & Woodman, Inc. is an employee-owned Engineering News-Record Top 500 Design Firm that provides planning, survey, design, construction and technology services for water, wastewater, stormwater and transportation facilities, environmental, geographic information systems (GIS), water and wastewater operations, and advanced technology needs complement the firm's civil engineering expertise. Municipalities, counties and state agencies are served from offices in Illinois, Wisconsin and Florida. Our staff of 258 professionals help build community value through safe roads and bridges, clean water supplies, and reliable wastewater treatment.

Baxter & Woodman was founded in 1946 after the firm's founding fathers, Richard Baxter and Lorrin Woodman, became friends in graduate school at Harvard University where they both studied sanitary engineering. During World War II, their paths crossed again when they were stationed together in Guam. Before their return to the States, the two men struck a gentleman's agreement – they would start up an engineering firm upon their safe return home. Making good on this agreement, in 1946, the two friends founded Baxter & Woodman Consulting Engineers in Crystal Lake, Illinois.

After WWII, the country began an era of prosperity and population growth. In response, Baxter and Woodman began providing infrastructure engineering to municipalities, state and county agencies, and sanitary districts. They focused on street, water main, sanitary sewer, and treatment plant design. They took great pride in providing personalized attention to each and every client.

Years later, much has changed – what started as a two-person operation almost 70 years ago, has transformed into a regionally recognized, thriving multi-discipline engineering firm with 258 team members! Through it all, Baxter & Woodman staff remains committed to the core value of our founders:

“Provide government agencies with outstanding engineering services.”

D. PROVIDE A LIST AND DESCRIPTION OF SIMILAR MUNICIPAL AND OTHER ENGAGEMENTS SATISFACTORILY PERFORMED WITHIN THE PAST FOUR (4) YEARS. FOR EACH ENGAGEMENT LISTED, INCLUDE THE NAME AND TELEPHONE NUMBER OF A REPRESENTATIVE FOR WHOM THE ENGAGEMENT WAS UNDERTAKEN WHO CAN VERIFY SATISFACTORY PERFORMANCE.

The Hollywood, FL CRA needs a consultant who will work as a partner with the CRA's Staff – one who will be a proactive extension of your Staff. Baxter & Woodman has a solid track record of partnering with local municipality clients to deliver the high level of personal service you desire. We are structured to allow for a long-term commitment of specific staff to serve your needs. By having principal owners directly involved, there is no “revolving door” of staff with our project team.

Baxter & Woodman is committed to its Municipal practice in South Florida. We have developed and refined our approach to surveying, mapping and engineering projects, and offer you the advantages of our partnering philosophy. Baxter & Woodman is currently under contract to provide Engineering and Surveying Services to the following municipalities:

- Lauderdale-by-the-Sea
- Pompano Beach
- City of Tamarac
- Palm Beach County Water Utilities
- City of Boca Raton
- City of Wilton Manors
- City of Lake Worth
- City of Oakland Park
- Martin County
- City of Delray Beach
- Florida Keys Aqueduct Authority
- Loxahatchee River District
- Town of Lantana
- Town of Highland Beach
- Town of Gulf Stream
- Town of Southwest Ranches
- City of West Palm Beach
- City of Lauderhill
- City of Marathon
- Monroe County

One of the best measures of a Consultant's success is the response received from the firm's clients. We encourage the Hollywood CRA to contact any of our references listed below to provide information about our project performance. Baxter & Woodman is proud of our commitment of meeting the goals and objectives of our clients. **Over 98 percent of our work is performed for repeat Clients!**

Organization Name: City of Wilton Manors
Contact Name: Mr. Bob Mays, Finance Director
Email Address: bmays@wiltonmanors.com
Address: 2020 Wilton Drive, Wilton Manors, FL 33305
Telephone: 954-390-2100, Fax: 954-390-2199
Dates of Services (start/end): 2018 to Present

Organization Name: City of Tamarac
Contact Name: Mr. John Doherty, Assistant Director of Public Works/City Engineer
Email Address: johnd@tamarac.org
Address: 6011 Nob Hill Rd., Tamarac, FL 33321-2401
Telephone: 954-597-3706
Dates of Services (start/end): 2001 to Present

Organization Name: City of Pompano Beach
Contact Name: Mr. John Sfiropoulos, City Engineer
Email Address: John.Sfiropoulos@copbfl.com
Address: 1201 N.E. 5th Ave., Pompano Beach, FL 33060
Telephone: 954-545-7009
Dates of Services (start/end): 2010-Present

Organization Name: Florida Keys Aqueduct Authority
Contact Name: Ms. Jolynn Cates-Reynolds, Manager of Engineering
Email Address: Joreynolds@fkaa.com
Address: 1100 Kennedy Drive, Key West, FL 33040
Telephone: 305-295-2140
Dates of Services (start/end): 1999 to Present

Organization Name: City of Delray Beach
Contact Name: Mr. Victor Majtenyi, Deputy Director of Public Utilities
Email Address: majtenyi@mydelraybeach.com
Address: 434 South Swinton Avenue, Delray Beach, FL 33444
Telephone: 561-243-7000 ext. 4205
Dates of Services (start/end): 1999 to Present

Organization Name: Loxahatchee River District
Contact Name: Mr. Clint Yerkes, Deputy Director
Email Address: Clint.yerkes@lrecd.org
Address: 2500 Jupiter Park Drive, Jupiter, FL 33458
Telephone: 561-747-5700
Dates of Services (start/end): 1998 to Present

Organization Name: Palm Beach County Water Utilities Department
Contact Name: Mr. Ali Bayat, Director of Engineering
Email Address: ABayat@pbcwater.com
Address: 8100 Forest Hill Boulevard, West Palm Beach, FL 33413
Telephone: 561-493-6000
Dates of Services (start/end): 1999 to Present

Organization Name: City of Lake Worth
Contact Name: Ms. Julie Parham, Assistant Water Utilities Director
Email Address: jparham@LakeWorth.org
Address: 301 College Street, Lake Worth, FL 33460
Telephone: 561-586-1798
Dates of Services (start/end): 2001 to Present

Organization Name: Town of Lantana
Contact Name: Mr. Jerry Darr, Utilities Assistant Director
Email Address: jdarr@lantana.org
Address: 510 W. Pine Street, Lantana, FL 33462
Telephone: 561-540-5758
Dates of Services (start/end): 2001 to Present

E. PROVIDE INFORMATION ON ANY LITIGATION (SETTLED OR PENDING) THE FIRM HAS BEEN INVOLVED IN WITHIN THE LAST FIVE (5) YEARS.

Baxter & Woodman, Inc has never defaulted on a contract.

Case Dismissed - Village of Itasca vs. Baxter & Woodman, Inc. and Baxter & Woodman Control Systems Integration, LLC. Village alleges that sludge dewatering and UV disinfection systems designed and inspected by Baxter & Woodman, Inc. for the new wastewater treatment plant are not functioning properly. The Village alleges that a SCADA system installed by BWCSI is not functioning properly. Amicably resolved by both parties and the case was dismissed with prejudice April, 2018.

Case Dismissed - Thorn Creek Sanitary District vs. Baxter & Woodman, Inc. Suit involves a corrosion control study for which Baxter & Woodman, Inc. provided preliminary engineering services. The District alleges that recommendations made to install a system sulfide corrosion control of sewer pipes were ineffective. Dismissed with prejudice on May 19, 2017.

F. DESCRIBE THE EXPERIENCE IN CONDUCTING SIMILAR PROJECTS FOR EACH OF THE STAFF ASSIGNED TO THE ENGAGEMENT. DESCRIBE THE RELEVANT EDUCATIONAL BACKGROUND OF EACH INDIVIDUAL.

Thomas A. English, PSM, PLS

Project Manager/Surveyor of Record

Office Location: Baxter & Woodman, Fort Lauderdale, FL

Education: Civil Technology, Middlesex County College

Tom brings 39 years of experience working with various state Departments of Transportation, including Florida, New Jersey, New York, Connecticut, Louisiana, and Pennsylvania. He is proficient with various types of surveys (ALTA, title, topographic, and boundary). Tom is also well versed in commercial/residential boundary surveying, subdivision and platting, transportation route surveys, easements and legal descriptions, geodetic control, construction stakeout and as-built survey, including survey computations, record research, property line resolution, and right-of-way investigation, GNSS (GPS), railroad survey, and laser scanning. Tom has a federal UAS license to fly our corporate drone and holds an FAA private pilot license.



Mark Dachsteiner, PE

Client Services Manager; QA/QC Review

Office Location: Baxter & Woodman, Fort Lauderdale, FL

Education: BS, Mining Engineering, Southern Illinois University

Mark has 33 years of municipal engineering experience including extensive knowledge in delivering successful roadway and utility projects. Now overseeing our Fort Lauderdale office, Mark is always available to our Florida clients from visiting project sites, collecting data, and attending meetings to providing coordination with City staff or permitting agencies.



Rebecca Travis, PE, ENV SP

QA/QC Review

Office Location: Baxter & Woodman, West Palm Beach, FL

Education: B.S., Civil Engineering, Iowa State University, 1984

Rebecca has civil engineering design, project management and QA/QC review experience in both private sector residential and commercial land development, as well as municipal stormwater, roadway and utility projects. Her range of experience includes performance of complex professional engineering work involving investigation, planning, design development, permitting, management and construction of public and private developer improvement projects.



Anthony E. Bianchin, PE, PLS**Professional Land Surveyor***Office Location: Baxter & Woodman, Fort Lauderdale, FL**Education: B.S., Civil Engineering, Illinois Institute of Technology, 1993*

Anthony has 26 years of design and land surveying experience. His expertise includes the design of roadway reconstruction, roadway realignment, storm sewer, sanitary sewer, and water main projects. He is also proficient in the preparation of right-of-way acquisition, plat, and legal description documents. Anthony teaches surveying at the College of Lake County.

**Dennis Ritzel, PSM****SUE/Survey Support***Office Location: RITZEL-MASON, Delray Beach, FL**Education: BS, Geomatics Engineering, Florida Atlantic University*

Dennis is an professional surveyor and mapper with 22 years of experience providing right-of-way, control survey mapping, utility mapping, and design surveys for the Florida Department of Transportation.

He is proficient in the latest industry technology and software including: 3 D laser scanning equipment operation, data processing and full 3D modeling, AutoCAD Civil 3D, MicroStation SS4, Geopak, Caice, Trimble Business Center, Trimble Total Control, Hector, Cyclone, Arcmap, RTK GPS, and Static network downloading and processing.

**Michael R. Frecks, P.L.S****Survey/LiDAR Manager***Office Location: TREKK Design Group, Omaha, NE**Education: A.A., Land/Water Technology, University of Nebraska at Curtis, 1979*

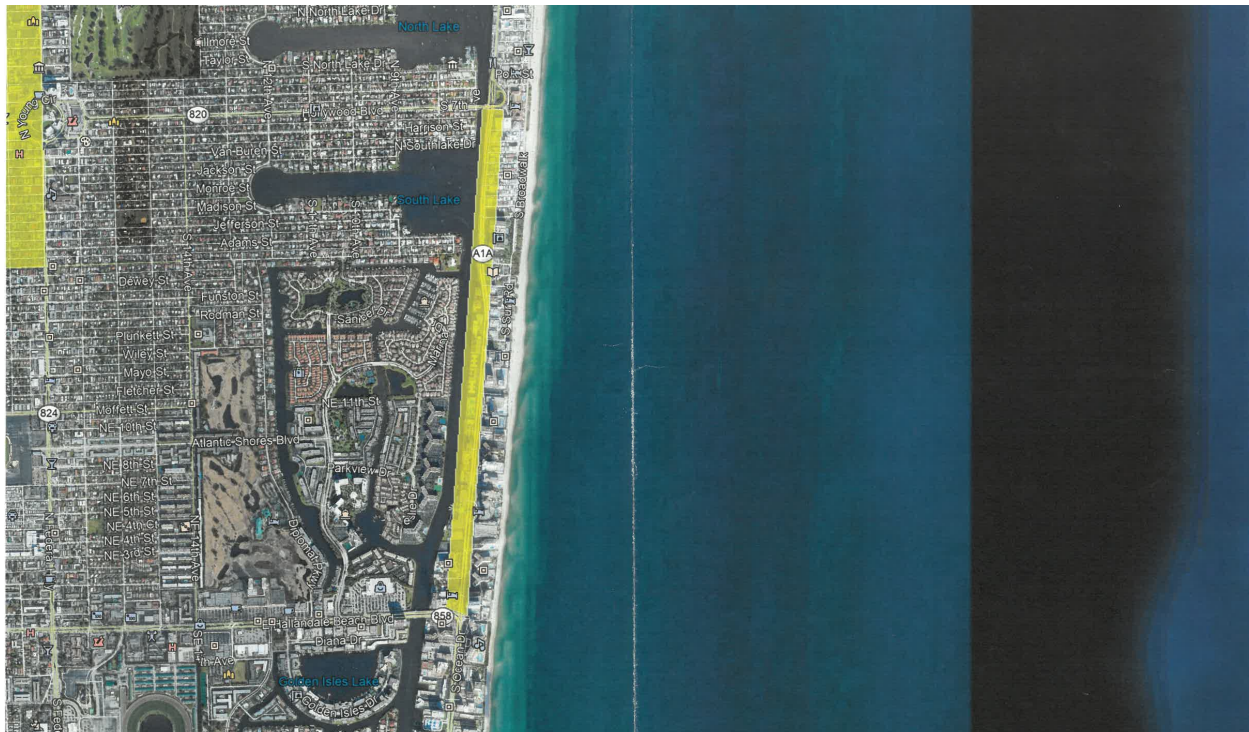
Michael Frecks is the Survey/LiDAR manager for TREKK's Omaha area office with direct responsibility for nationwide mobile LiDAR services.

Michael has 43 years of land surveying experience with extensive knowledge and hands on experience with LiDAR applications since 2000. He has worked with DOTs, owners and AEC firms on more than 200 successful projects using various mobile LiDAR systems. His extensive surveying experience supporting civil transportation includes: GPS (static, post-process kinematic chains and real time kinematic); total stations (field to finish and back to field, robotic total stations); static scanning (phase based and time of flight); mobile (line scanners and 3D-field-of-view systems). This foundation provides the spatial recognition needed for mobile LiDAR acquisition and QA/QC. Over the course of his career, he has performed beta testing on survey software and hardware for Leica Geosystems because of his knowledge of project workflows and interactions.



G. DESCRIBE THE ORGANIZATION OF THE PROPOSED PROJECT TEAM, STRESSING LEVEL OF EXPERIENCE AND QUALIFICATION, DETAILING THE LEVEL OF INVOLVEMENT, FIELD OF EXPERTISE AND ESTIMATED HOURS FOR EACH MEMBER OF THE TEAM.

The Hollywood CRA's Phase IV Streetscape & AIA Project will be completed by an experienced team dedicated to meet defined schedules and project budget. Mark Dachsteiner will serve as your main point of contact and keep you informed throughout the project. Tom English will serve as the full-time Project Manager, along with support from the QA/QC team. Please refer to our staffing chart on the following page for a detailed overview of the organization of the project team, as well as firm workload capabilities.



**MARK DACHSTEINER, PE - CLIENT SERVICES / REGIONAL MANAGER**

- **Years of Experience:** 33 years
- **Qualifications:** Licensed professional engineer: FL, IL; FDOT CTPQ Certified and IDOT Certified
- **Level of Involvement:** Mark will be involved in all phases of project development from conducting topographical surveys, design of roadways, sewers, water mains, pump stations, and providing construction engineering services for these projects.
- **Field of Expertise:** Project Management/Client Services Management/Construction Services Management

THOMAS A. ENGLISH, PSM, PLS - PROJECT MANAGER

- **Years of Experience:** 39 years
- **Qualifications:** Licensed professional surveyor/mapper: FL, NJ, NY, PA, CT, LA; FAA Remote Pilot Certification
- **Level of Involvement:** Thomas will be involved in all phases of project development from conducting topographical surveys, design of roadways, sewers, water mains, pump stations, and providing construction engineering services for these projects.
- **Field of Expertise:** Survey Project Management/GIS Mapping Management/Utility Locating/Drone Services

REBECCA TRAVIS, PE, ENV SP - QA/QC REVIEW

- **Years of Experience:** 35 years
- **Qualifications:** Licensed professional engineer: FL; LEED Green Assoc., Envision Sustainability Professional; Florida Dept of Environmental Protection, Stormwater Erosion & Sedimentation Control Qualified Stormwater Management Inspector (#34512)
- **Level of Involvement:** Rebecca will be involved in all phases of the project in which quality control and quality assurance are needed.
- **Field of Expertise:** QA/QC Review/Investigation/Planning/Design Development/Permitting/Management/Construction

ANTHONY BIANCHIN, PE, PLS - QA/QC REVIEW

- **Years of Experience:** 26 years
- **Qualifications:** Licensed Professional Land Surveyor: IL, WI; Licensed Professional Surveyor and Mapper: FL; Licensed Professional Engineer: IL
- **Level of Involvement:** Anthony will be involved in all phases of the project in which quality control and quality assurance are needed
- **Field of Expertise:** Design and Land Surveying and Mapping/QA/QC Review

DENNIS RITZEL - SUBSURFACE UTILITY ENGINEERING (RITZEL-MASON)

- **Years of Experience:** 23 years
- **Qualifications:** PSM / 2013 / FL #6953
- **Level of Involvement:** Dennis will be involved with all aspects of subsurface utility engineering (SUE) and is certified to plan and evaluate SUE processes.
- **Field of Expertise:** Surveying/Mapping/Subsurface Utility Engineering (SUE)/ Unmanned Aerial Vehicles (UAV's)

MICHAEL FRECKS, PLS - MOBILE LIDAR (TREKK DESIGN GROUP)

- **Years of Experience:** 43 years
- **Qualifications:** Professional Land Surveyor: NE 1992 #490/e-RailSafe Certification
- **Level of Involvement:** Michael will be involved with all aspects of mobile LiDAR services for this project.
- **Field of Expertise:** Survey/LiDAR/GPS/Total Stations/Static Scanning/Mobile

SURVEY CREWS

Five Crews Available • One Unmanned Aerial Systems (Drone) Crew

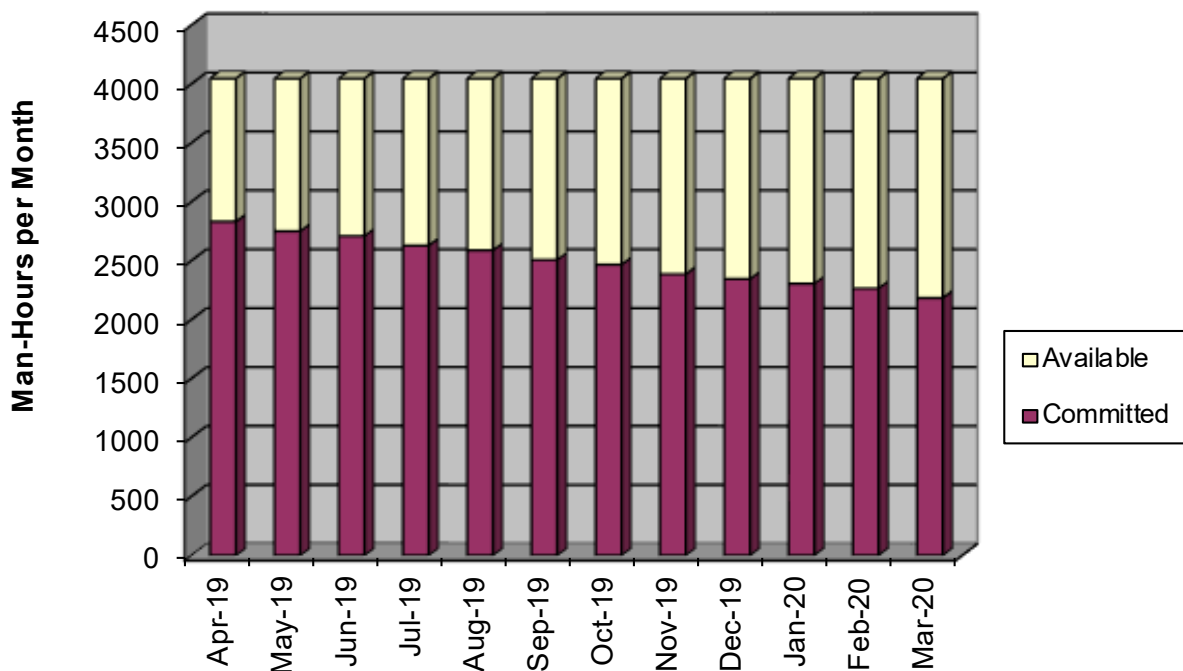
FIRM WORKLOAD

Baxter & Woodman is available to begin the work tasks associated with this project immediately. Our experienced staff of 258 employees allows us to provide the necessary resources to the Hollywood, FL CRA to successfully complete this important project. Workload responsibilities of all proposed team members have been reviewed, and the team presented in this statement can fully accept the responsibility of your project.

Our Project Manager Thomas English, PSM, PLS, will be fully dedicated to this Project and to the CRA to confirm that all tasks are performed on time and within budget. Our Project Manager will be available for the duration of this Project.

Baxter & Woodman's projected workload is presented in the figure below. The chart shows that we have more than enough man-hours available to provide efficient, and cost-effective surveying services for the CRA.

As the chart demonstrates, our workload availability far exceeds the required staffing allocation for this project. This project will be a priority for our firm, and we will devote the required resources and personnel to complete the project tasks efficiently, with a high quality of standards. All key team members that will be involved in this project have availability for the duration of this project.



H. DESCRIBE WHAT MUNICIPAL STAFF SUPPORT IS ANTICIPATED FOR THIS TYPE OF ENGAGEMENT.

Baxter & Woodman anticipates limited use of municipal support staff for this contract. It is anticipated municipal staff will be required to provide detailed scoping for any survey assignment, and provide any records available, such as Design Drawings, GIS information, Record (As Built) Drawings and any other information, that may be of assistance in completing a survey task. The municipal staff would also be required to obtain any permits or private property access needed to perform surveying tasks.

I. DESCRIBE YOUR APPROACH TO PERFORMING THE WORK. THIS SHOULD INCLUDE THE FOLLOWING POINTS:

1) YOUR ROLE AND THAT OF OTHER PARTIES INVOLVED IN THE DATA GATHERING, DATA ANALYSIS AND RECOMMENDATION PROCESS.

2) YOUR PLAN FOR THIS PROJECT OUTLINING MAJOR TASKS AND RESPONSIBILITIES, PROJECT TIME SCHEDULE AND STAFF ASSIGNED.

Project Manager Thomas English will provide coordination between the CRA and our survey /map team. Our team proposes a well-defined approach consisting of multiple steps each correlating to each other and in a logical sequence. The benefit of a standard approach will be that team members know what is expected from them and when, in addition to minimizing the CRA's time and effort.

**Notification**

Upon notification of the upcoming project, Baxter & Woodman, Inc. will obtain and review scope detailed information, and discuss project specific goals with the CRA. A site visit will be completed to gather preliminary information (e.g. field measurements/sketches, photographs, notes, MOT requirements, need for permits etc.) useful in interpreting the requested task. Team members will also be informed of a potential project. During this phase, Baxter & Woodman, Inc. will start the collection of available information as needed with the help of CRA, such as horizontal and vertical control, plats and right of way maps information, construction plans, tax maps and other existing documents.

**Data Gathering, Scoping and Resources Management**

Following notification and analysis of the gathered information, Thomas and the project team will develop an approach and determine the most advantageous survey method and equipment necessary to support in a timely and efficient manner.

Staff Hours Proposal

The data gathering, scoping and resource management step enables the team to develop a thorough scope and staff hour documentation with accompanying exhibits meeting the most recent scope and units' guideline publications. Prior to finalizing the scope and negotiations of an assignment, a strategy meeting will be held with any subconsultants to discuss identification of specialized equipment, Quality Assurance/Quality Control (QA/QC) processes and plan, database management, availability and project safety concerns. Field work and office support activities will be scheduled to ensure staff availability to complete the requested tasks within the anticipated time frame, even accounting for unforeseen delays.

Notice to Proceed and Field Work

After receiving notice to proceed, a kick-off meeting will be held with key personnel and CRA staff to confirm the final project scope, schedule, and allocated budget. Field packages with the scope of services, database management plan, project location maps, historical survey documentation, field books, and other pertinent project information will be prepared. Following these preliminary activities, the team's field staff will mobilize to the project site to commence survey tasks using the most appropriate survey equipment. Continuous communication among the team members will be fundamental to the success of the project. As Project Manager, Thomas expects to be promptly notified should any delay or problem occur in the field, to ensure every activity is completed within schedule.

Office Processing and Quality Control

The proposed QC plan will require that field notes are downloaded and checked daily for completeness. As field survey information is being processed, our team will review the data prior to importing it into the survey database. Deliverables (interim, draft, and final) will go under a series of quality control reviews as described below.

Each survey and mapping project task will have key milestones at which Baxter & Woodman will complete comprehensive QA/QC. Quality controls will be implemented from the review of the field notes to the final deliverables in a systematic and organized way. From the survey technician to the quality control manager, several key staff will be providing reviews on the quality of our product during throughout the project duration, to identify potential errors and omissions.

QA/QC Procedures



**Customized
Checklists**



**Compliance with
Project Deadlines**



**Ample Support
Staff**



**Review by Senior
Engineers**

Our team will submit each deliverable in full compliance with current applicable Florida statutes (Chapter 5J-17 Florida Administrative Code), the Requirements of the County, FDOT manuals, memorandums, standards, handbooks, guidelines, and other identified specification documents. We will also review deliverable files received from any subconsultants for compliance with scope documents and expectations. Both QA/QC Team Reviewers will confirm adherence to the approved QC plan. They will be provided with all pertinent information, including: scope, schedule, fee estimate, research materials, check plots, calculation sheets, maps and electronic data.

An open line of communication with the CRA will confirm any finding requiring further attention will be promptly addressed. Only after confirming each deliverable has been checked for compliancy with the CRA's specifications and requirements (e.g. a check list will be prepared), our team will make the final submittal to the CRA. As part of the QA/QC plan, we will have discussed clear expectations with the team, including subconsultants to assure that the entire process is flawless, comprehensive and traceable.

Cost Control Performance

Baxter & Woodman is committed to producing high quality, cost efficient products within required time frames. The Project Manager continually monitors the design and construction costs of each project. Also, we are extremely familiar with the construction contractors in South Florida and are aware of bidding conditions that can affect the construction cost of a project.



Schedule Control

It is important that each and every work authorization meet the established time schedule. The Project Manager will be responsible for schedule compliance. Baxter & Woodman's principals review schedule compliance on a bi-monthly basis at project schedule control meetings and take appropriate action to prevent slippage with it first becomes apparent. Staff allocations will be determined upon receiving project scope. The appropriate staff and subcontractors will be assigned to their respective task and a schedule will be then provided to the CRA for their review, comments and acceptance.





CERTIFICATE OF LIABILITY INSURANCE

 DATE (MM/DD/YYYY)
 12/21/2018

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Risk Strategies Company 650 Dundee Road Suite 170 Northbrook IL 60062		CONTACT NAME: PHONE (A/C, No, Ext): (847) 412-1414 FAX (A/C, No): E-MAIL: ADDRESS:															
INSURED BAXTER & WOODMAN, INC 8678 RIDGEFIELD ROAD CRYSTAL LAKE IL 60012		<table border="1"> <thead> <tr> <th>INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> </thead> <tbody> <tr> <td>INSURER A: Valley Forge Ins Co</td> <td>20508</td> </tr> <tr> <td>INSURER B: Continental Insurance Company</td> <td></td> </tr> <tr> <td>INSURER C: Continental Casualty Company</td> <td></td> </tr> <tr> <td>INSURER D:</td> <td></td> </tr> <tr> <td>INSURER E:</td> <td></td> </tr> <tr> <td>INSURER F:</td> <td></td> </tr> </tbody> </table>		INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A: Valley Forge Ins Co	20508	INSURER B: Continental Insurance Company		INSURER C: Continental Casualty Company		INSURER D:		INSURER E:		INSURER F:	
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INSURER D:																	
INSURER E:																	
INSURER F:																	

COVERAGES		CERTIFICATE NUMBER: CL18122196438		REVISION NUMBER:		
THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.						
INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSD WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> primary/non contributory <input checked="" type="checkbox"/> subj to written contract GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:		6045872351	1/1/2019	1/1/2020	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 15,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COM/PO/AGG \$ 2,000,000
A	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS		6045872348	1/1/2019	1/1/2020	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$		6045872365	1/1/2019	1/1/2020	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N/A	6045872379	1/1/2019	1/1/2020	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
C	Professional Liability		AEH591900841	1/1/2019	1/1/2020	Per Claim \$5,000,000 Aggregate \$5,000,000
DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required) Re: All projects of the named insured subject to policy terms & conditions.						

CERTIFICATE HOLDER Baxter & Woodman, Inc. 8678 Ridgefield Rd. Crystal Lake, IL 60012	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE Michael Christian/CID <i>Michael Christian</i>
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 ACORD 25 (2014/01)
 INS025 (201401)

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