



BELLO & BELLO
Land Surveying - Mapping Sciences



Response to:
City of Key West
RFQ # 23-004
Professional Surveying Services

THE RIGHT TEAM

“great things in business are never done by one person. They’re done by a team of people.”
- Steve Jobs



Bello and Bello Land Surveying Corp.

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EIN # 13-421-9102

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Project Manager

Odalys C. Bello, PSM, CFM

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1

LETTER OF TRANSMITTAL



March 20, 2023
Ms. Cheri Smith, MMC, CPM
City Clerk of City of Key West
1300 White Street, Key West, FL 33040
RE: City of Key West RFQ # 23-004 - Professional Surveying Services.



BELLO & BELLO
LAND SURVEYING CORP
LB 7262.
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Dear Selection Committee Members,

In response to this RFQ "Professional Surveying Services", Bello and Bello Land Surveying Corp. We submit the enclosed Statement of Qualifications with great pleasure and confident that you will find us to be one of the right firms for this contract.

B&B is a minority-women-owned, full-service land surveying firm with the depth of resources and expertise needed to exceed your requirements and expectations. Our team of highly specialized professionals available for this project include two (2) Florida Professional Land Surveyors, a Certified Floodplain Manager (CFM), three (3) field crews, and five (5) NSPS Certified Survey Techs. Located in south Miami-Dade, we'll have the ability to mobilize to the service area within 24 Hrs. of any request. We'll collect data using the most advanced geospatial technologies and prepare maps beyond conventional software defaults, while staying true to basic surveying principles.

Odalys C. Bello, PSM, CFM, will be the Project Manager and Principal in Charge. She brings over 30 years of surveying experience working with government agencies and the private sector. Ms. Bello is also the President of B&B and the authorized agent to execute contracts on behalf of the corporation. She will be 100% available for this project and will facilitate clear lines of communication with the City and stakeholders. Once selected for this contract, we will obtain and maintain a City of Key West Business Tax Receipt for the duration of the work.

We commit to provide the most qualified staff, allocate the time and necessary resources to successfully execute the required services under this contract. B&B has the expertise and responsiveness to provide consulting services in all the disciplines listed on this RFQ within its own resources, with the exception of "Title Searches". Although surveyors investigate and examine title matters, official searches are usually performed by underwriters and attorneys.

I welcome the opportunity to discuss the details of our qualifications and invite you to contact me at any time. It will be an honor to serve the beautiful and historical City of Key West!

Respectfully,

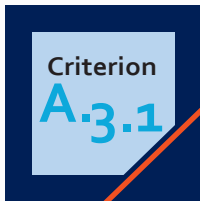
Odalys C Bello, PSM, CFM, LS 616g
President



2 EXECUTIVE SUMMARY



The City of Key West requires the services of a qualified firm to provide Professional Surveying Services. Below is a summary of the key qualifications that make Bello & Bello Land Surveying Corp. one of the right teams for this contract based on the Evaluation Criterion outlined on this RFQ.

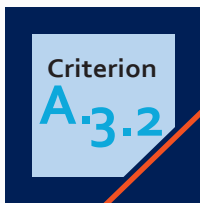


Specialized experience and technical competence of the firm in the listing surveying disciplines.

Our exceptional portfolio of high-quality survey-related assignments completed in Monroe County includes but not limited to ALTA/NSPS, Boundary Surveys for land acquisition, Right of Way Maps, Topographic Surveys, Hydrographic Surveys, Construction Lay-outs and As-Builts, FEMA Elevation Certificates, Laser Scanning, and Tidal Surveys (Mean High Water Line Surveys).

Our competence in the required disciplines is evidenced by our A&E Certification with Miami-Dade County, where we are certified in the four (4) Architectural/Engineering (A/E) Technical Categories: 15.01 General Land Surveying, 15.02 Aerial Photogrammetry, 15.03 Underground Location, and 15.04 Hydrographic Surveys.

Our team brings valuable expertise that set us apart from other contenders in the disciplines of Plans Review (QA/QC) of survey products and Floodplain Management. A Certified Floodplain Manager (CFM) can assist with FEMA Flood Risks Maps issues, Floodplain Permits, Elevation Certificates, LOMA - LOMR cases, and CRS (Community Rating System) compliance.



Professional Qualifications of staff personnel.

The staff assigned to this contract includes: Two (2) Registered Professional Land Surveyors and Mappers, three (3) field crews, seven (7) survey technicians of which five (5) are NSPS Certified CSTs, a GIS Certified professional, a Floodplain Manager, a Certified UAS Pilot, and two (2) Coastal Mappers will be assigned to this project. Combined, we compile decades of experience in directing and performing survey tasks in all the disciplines required herein, and beyond. Some of these certifications are attached herein and any additional Certification can be provided upon request.



Capacity of assigned and identified staff to accomplish work and Ability to complete required services with in-house staff and resources.

We have successfully delivered hundreds of similar type projects for municipalities, counties, and federal agencies. We recognize that each task under this contract will have its own expectations that needs to be met and exceeded. Our approach is starting with clear communication with the City for full understanding of the needs and challenges in order to create the project road map. Our lean project management approach paired with our sufficiency in resources and technology, ensures that reasonable time frames are set to meet deadlines. Schedules and costs will be managed mainly in Microsoft Project but, other suitable project management software could be used as seen fit. The project manager will identify critical paths and monitor overall staff performance. Refer to chart below for availability of assigned staff. All the assignments can and will be completed with in-house staff and resources.



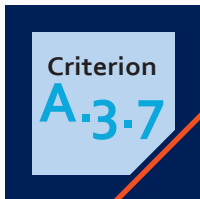
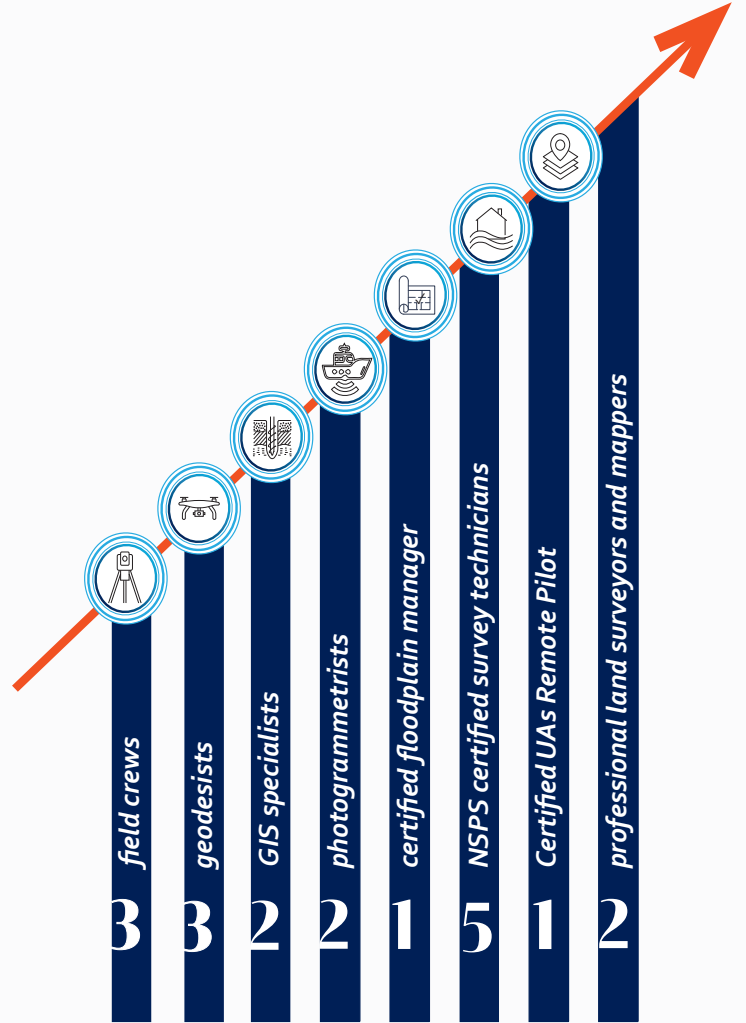
Previous applicable Work Experience.

Five (5) surveying projects examples attached herein.



Ability to perform the services expeditiously at the request of the City.

Technical, contractual, and managerial experience gained through the years on projects of similar nature will be applied to this contract. We will perform responsibly and monitor schedules, costs, safety protocols, and overall compliance with technical and administrative specifications. In today's virtual world, we have the support of a strong IT Unit that will ensure cybersecurity and uninterrupted functionality and communications. We operate from West Kendall in south Miami-Dade, within driving distance from the City. We are just one call away and will respond expeditiously to City's request. Registered and non-registered staff is available to relocate to Key West during business days, as the project requires.



Past City work performance.

Staff and firm's experience includes surveying in the City and in Monroe County, however B&B has not had the opportunity to work directly for the City. This is the first time that we respond to any of your solicitations and we fill that our unique qualifications, our experience, and performance as prime and sub-consultant in on-going contracts of the same nature, will compensate this requirement and be positively evaluated by the Selection Committee.

Similar type "active" projects are listed below and Project Managers can be contacted upon request:

- ▶ Project: Miami-Dade Co. E20-WASD-01A Non-Exclusive Professional Services Agreement for General Land and Engineering Surveying and Mapping Services. Role: Prime Consultant.
- ▶ Project: Miami-Dade Co. E19-DTPW-04 Non-Exclusive Professional Services Agreement for General Land and Engineering Surveying, Aerial Photogrammetric Services, Underground Surveys and Hydrographic Surveys. Role: Prime Consultant.
- ▶ Project: Miami-Dade Co. Parks, Recreation and Open Spaces EDP-PSA-2024 Continuous Professional Services Agreement for Land Surveying and Underground Location Services: EDP Project PR 9999990O. Role: Prime Consultant.
- ▶ Project: City of Homestead Planning and Development Department Professional Services for PLans

Review (Surveying). Role: Prime Consultant.

- ▶ Project: City of Homestead – Homestead Energy Services. Role: Surveyor of Record (Prime Consultant) for miscellaneous land surveying services.
- ▶ Project: City of Homestead – Community Redeveloping Agency (CRA). Role: Surveyor of Record (Prime Consultant) for miscellaneous land surveying services.
- ▶ Project: DB18-WASD-02 Design-Build Services for the Construction of South District Wastewater Treatment Plant and Central District Wastewater Treatment Plant Sludge Thickening and Dewatering Buildings. Role: Land Surveying and Underground Locating services for SDWWTP Facility as Sub-Consultant to Carollo Engineers
- ▶ Project: E15-WASD-01 Engineering Design and Related Services for the Design of Large Diameter Water and Wastewater Pipelines for the WASD’s Wastewater and Water Collection, Trans-mission, and Distribution Systems. Role: Land Surveying services as a Sub-Consultant to Jacobs Engineering.

ASSIGNED STAFF	LOCATION	AVAILABILITY	ABILITY TO PERFORM SERVICES EXPEDITIOUSLY
Project Manager Odalys C. Bello, PSM, CFM	SW Miami-Dade (able to relocate to the City as needed)	100%	✓
Technical Support Staff Ricardo Jorge, PSM One (1) 3-Men Field Crew Two (2) 2-Men Field Crews Three (2) Cadastral Technicians	SW Miami-Dade (able to relocate to the City as needed)	100%	✓





Established in 2002, Bello & Bello Land Surveying Corporation (B&B) is a Minority Hispanic/Women owned firm. Our mission is to embrace the highest standards for quality, honesty, and professionalism in the land surveying field, and to continue being a trusted consultant for comprehensive geospatial and mapping services.

Technology advances have given sophistication and promptness to our profession however, the roots of surveying stay unchanged. B&B office and field procedures remain true to basic surveying principles as we, every day, master the integration of conventional methods with most advanced geospatial data collection and mapping tools. We collect, process, and certify accurate real time data, with value added data sets, that are essential in the making of intelligent decisions in land acquisitions, engineering design, construction, and development of sustainable communities.

3.1 MANAGEMENT APPROACH

A well-structured management system is the corner stone of our company's long-term performance and is periodically evaluated to meet the needs of our clients and stakeholders. A lean, consistent, and proactive approach mitigates learning curves and is the foundation for continuous improvement and efficient allocation of resources. Lines of authority are well defined, decisions are fact-based, all processes are established using ISO standards, systematic performance reviews are conducted, and a rigorous hiring process is established. This management approach supports the technical capabilities and focuses on streamlining our response to client's needs and challenges.

3.2 PROJECT DOCUMENT CONTROL

B&B has an established standard protocol for the management of electronic and hard copies project documentation. This protocol includes procedures for receiving, storing, transmitting, and tracking all project documents (technical and administrative) all in the cloud. Our Project Document Control procedures ensures the City that all the information related to this contract will be managed in accordance with the applicable provisions of Florida Statute 119 and/or other applicable laws governing public information and municipal records.

3.3 CYBERSECURITY AND COMPLIANCE

B&B's network systems are protected by a compliant UTM WatchGuard Network Security Firewall. We ensure data integrity and prevent loss using RAID technologies and replicating network attached storage. Daily comprehensive backups are stored using both on-site and cloud based solutions, with up to 25 days of retention and real time synchronization. All our workstations are running Windows 10 Professional 64-bit, with the latest patches and security updates. We keep up to date managed Antivirus and Antimalware software and enforce strict layered access rules. Finally, our remote employees operate over secured and encrypted VPN service to allow safe collaboration and availability under any circumstances.

3.4 SCHEDULING AND BUDGET MANAGEMENT

As a leading provider of comprehensive land surveying services and with our extensive experience in small and large scale projects, we can anticipate issues and create reasonable project schedules and executable time frames. We take into account the many factors included in a surveying process, even the unpredictable weather conditions. We use Microsoft Project for scheduling, resource allocation, visualizing project data, and budget management, however other suitable project management software could be used as seen fit. Each project manager weekly monitors project data to ensure that schedule and budget goals are met.

4

PROFESSIONAL SERVICES



4.1 GENERAL LAND SURVEYING



General Land Surveying is and has been the core business of our firm. B&B's culture is focused on the surveying profession and how to achieve required accuracies through innovative approaches that save time, minimize risks and satisfy client's needs.

All survey work will be performed under the direction of a Florida registered Land Surveyor & Mapper meeting the Standards of Practice as set forth by the Florida Board of Professional Surveyors and Mappers in applicable provisions of Chapter 5J-17, Florida Administrative Code, pursuant to Section 472.027 Florida Statutes, and in agreement with regulatory agency requirements. B&B is committed to stay up-to-date with all the applicable standards and adjust to amendments as necessary during the life of this contract.

4.1.1 IMPORTANCE OF DATA QUALITY

In today's environment where so much data is available, survey grade data is essential for quality maps. Geospatial data collected by surveyors is only as good as the geodetic controls used in the process. For all projects, B&B surveyors will carefully research data bases for high accuracy control points and once selected for a specific project, horizontal location and vertical data will be verified with redundant measurements, using conventional surveying traverses and or more advanced measurement technologies.

4.1.2 DATUM CONVERSION CHALLENGE

Considering that the National Spatial Reference System (NSRS) is being modernized and a new North American-Pacific Geopotential Datum of 2022 (NAPGD2022) will be adopted nationwide, reconciliation of historical data with modern measurements will be essential for delivering quality survey products. It is critical that the CITY works with a consultant that truly understand GNSS, datums, ellipsoids and realizations. We have three (3) geodesists on staff with academic and practical knowledge of GNSS positioning tools, able to manage datum transitions and adjustments, ready to assist with records conciliation, interpolate over data gaps and resolve transformation uncertainties.

4.1.3 THE SURVEY PROCESS

Our Principal in Charge, Odalys C. Bello will designate the most qualified team member as Task Manager for each order. The Scope of Work will be carefully revised and a field reconnaissance will be performed to identify potential challenges and risk assessment. At that point the appropriate data collection methodology is selected. Scope, fee, and a realistic schedule will be negotiated with CITY's Project Manager. Upon approval and Notice to Proceed, a Project Schedule is published on B&B Project File

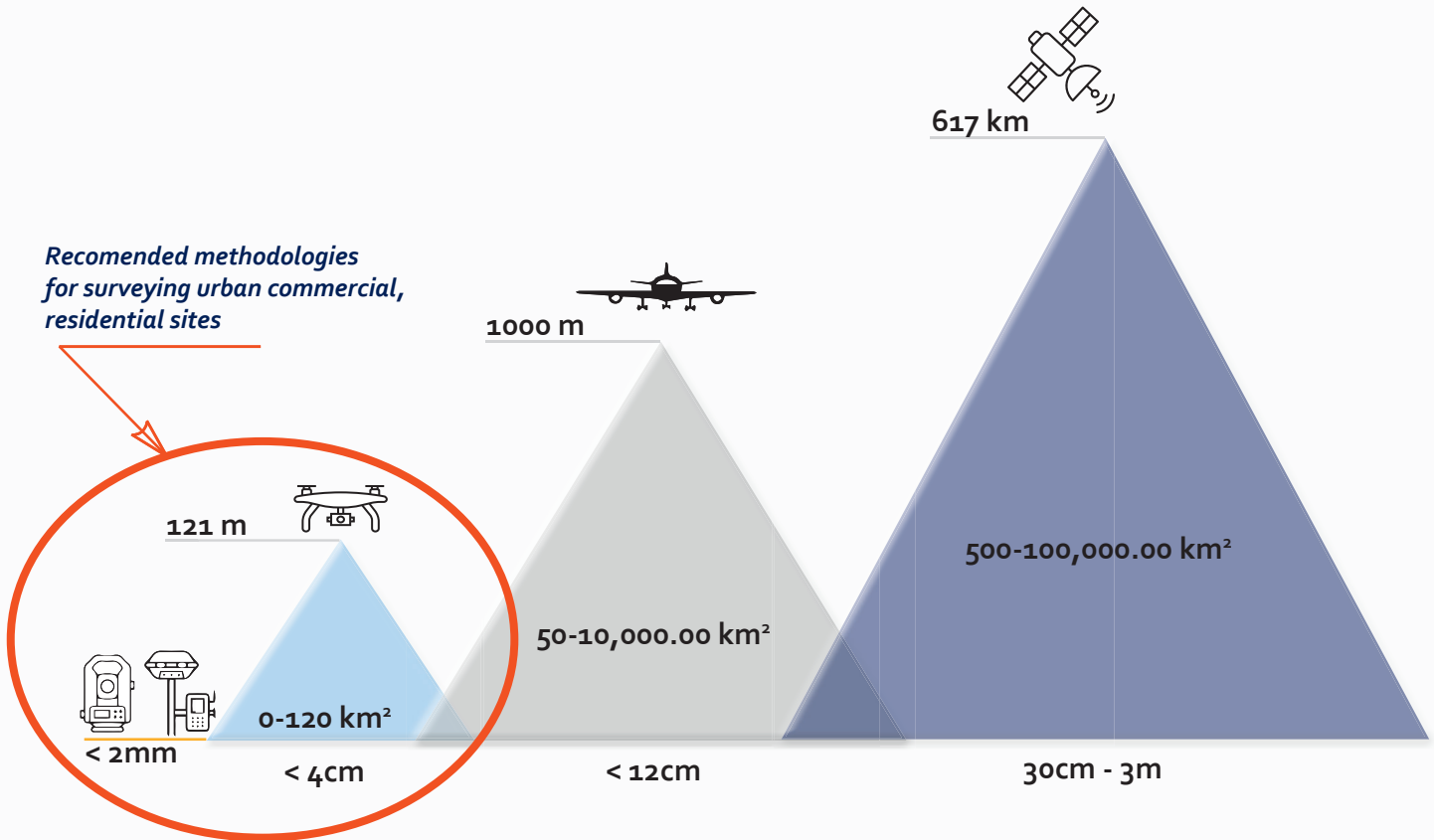
NOAA is Replacing NAD 83 and NAVD 88. NOAA's National Geodetic Survey (NGS) will be replacing the datums of the National Spatial Reference System (NSRS), including the North American Datum of 1983 (NAD 83) and the North American Vertical Datum of 1988 (NAVD 88). NGS will provide tools to easily transform data from old datums. Read more and visit the New Datums website to learn more.

How You Can Prepare

- Learn if **legislation** or other formal document referencing NAD 83 and NAVD 88 need to be changed in your state.
- **Transform existing data** to the latest NSRS datums and realizations; i.e. NAD 83 (2011), GEOID12B, and NAVD 88.
- **Obtain precise ellipsoidal heights** on NAVD 88 bench marks, and visit the GPS on Bench Marks Web page to learn more.
- Require and provide **complete metadata** on all mapping contracts. See our website for more details.

and necessary steps are taken. Records research is performed internally within our own database, NGS, Labins, and county public records, including reaching out to other stakeholders to obtain pertinent information.

Field work and data collection is performed following established procedures and safety with safety protocols. It begins with establishing the Primary and Secondary Control Points in Florida State Plane Coordinate System, relative to North American Datum (NAD83/2011).



Elevations are brought to the site by closed loop differential leveling between two (2) official Benchmarks. Control networks are adjusted before publishing on Project File. Although our instruments undergo a strict calibration schedule, a two peg test is performed three (3) times a week to check the reading accuracy of the lines of sight. Area of survey is always tied to known points to ascertain horizontal location. Data is collected and stored. All field survey information is noted in data collectors and standard field books, in sufficient detail to reflect existing field conditions, monuments, occupational lines, apparent boundary lines, baselines and offsets, utilities, and all relevant information required for the preparation of survey drawings, maps and construction plans. Field data is downloaded every day and checked (QA/QC No. 1) for accuracy and completeness.

Data processing, office calculations, precision closure reports, drafting and thorough analysis of field evidence vs existing records is performed simultaneously. CAD files, properties, nomenclature, and templates can be customized to comply with WASD preferences. Depending on the length of the project the sketches are checked partially or at final completion (QA/QC No. 2). Each completed task is noted on B&B Project File and milestones are noted. PM and lead personnel have daily progress meetings, and a weekly update is provided to Odalys who subsequently briefs the client. Review of survey products is performed digitally and/or manually. Comments are incorporated to B&B Review Matrix, which is updated accordingly. Once final product is completed, it undergoes the final QA/QC. If necessary, a field visit is performed to confirm completeness. Final approval by the PSM implies release of all the certified surveys, sketches, digital files, field notes, and any other deliverables.

4.1.4 SAFETY

Safety is a constant concern in our daily operations. We spend considerable amount of time educating our staff in safety issues including awareness of the surroundings for equipment and personal safety. Our field crews are trained in basic first aid, TTC/MOT, work in confined spaces, OSHA General Industry and construction safety. We have two (2) FDOT Advanced TTC Certified professionals on staff able to prepare basic and advanced MOT plans, train staff, and directly perform TTC in the field. All B&B staff has signed a "Don't text and Drive Pledge" that outlines restrictions and recommendations for the use of cellular telephones while driving cars during business operations.



4.2 PREFERRED EXPERIENCE AND QUALIFICATIONS

Our team complies with and exceeds the preferred experience and qualifications required by this contract. Reference Projects included herein confirm our capability and expertise in the various surveying disciplines required by this RFQ.

4.2.1 BOUNDARY SURVEYS

Over the years we have developed a reputation as the surveyor to go to when a boundary dispute arises. We have assisted hundreds of clients with boundary issues along their property lines. Accuracy is the driving force of all surveying activities performed by us, considering that title matters, encumbrances, and apparent uses are essential components of a quality survey. We have experience in preparing ALTA/NSPS Standard Surveys and regular Boundary Surveys for platted, unplatted tracts, sectional acreage, wetlands, historical archeological sites, high risk commercial areas, parks, marinas, tidal-non tidal water

bodies, vertical plane properties, commercial and residential sites. While performing boundary surveys we perform records research, title searches, encumbrance report analysis, and determine applicability of title issues. Most importantly we verify that the legal descriptions of record match the boundaries recovered in the field. Boundary inconsistencies such as overlaps or gaps, excesses, or deficiencies, conflicting monumentation, and or any doubts as to the location of the parcels is evaluated and noted on the surveys. Physical improvements located on the surveyed parcels are identified, dimensioned, and located. Apparent physical use of one into the land of another is investigated and noted on the surveys, as well as location of existing improvements and utilities. We place survey monuments at property corners, and use witness corners when applicable. Odalys C. Bello, PSM has extensive experience as an expert witness in boundary dispute cases.

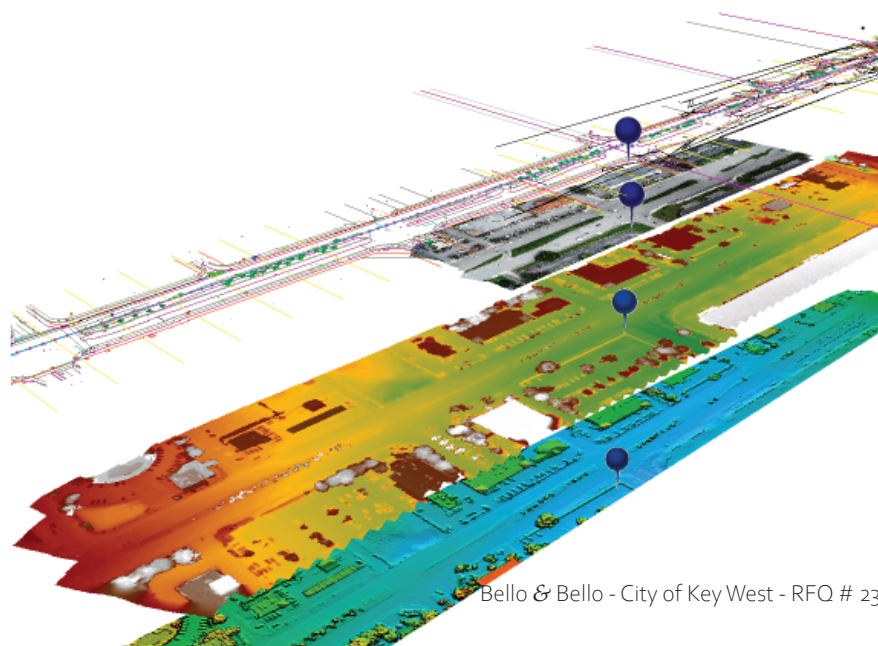


4.2.2 TOPOGRAPHIC SURVEYS

Our team has performed thousands of topographic surveys for design, land development and different purposes on commercial, residential sites and on City, County and FDOT maintained roads. Topo surveys are being prepared in compliance with Standards of Practice, and contour intervals, cross section and grade elevations vary depending on client's needs. Elevations must be accurate to 1/100 of a foot in hard surfaces and 1/10 of a foot at natural ground. These surveys include location of utilities, invert elevations, and full depiction of all the natural and manmade improvements along the route. Tree location is usually part of topographic surveys. Our highly experienced crews are familiar with the most common Florida native species. Nonetheless, we usually hire a Certified Arborist for the proper identification and status of trees. We measure trunk diameter at breast height, determine approximate canopy spread and height.

4.2.3 RIGHT OF WAY MAPPING

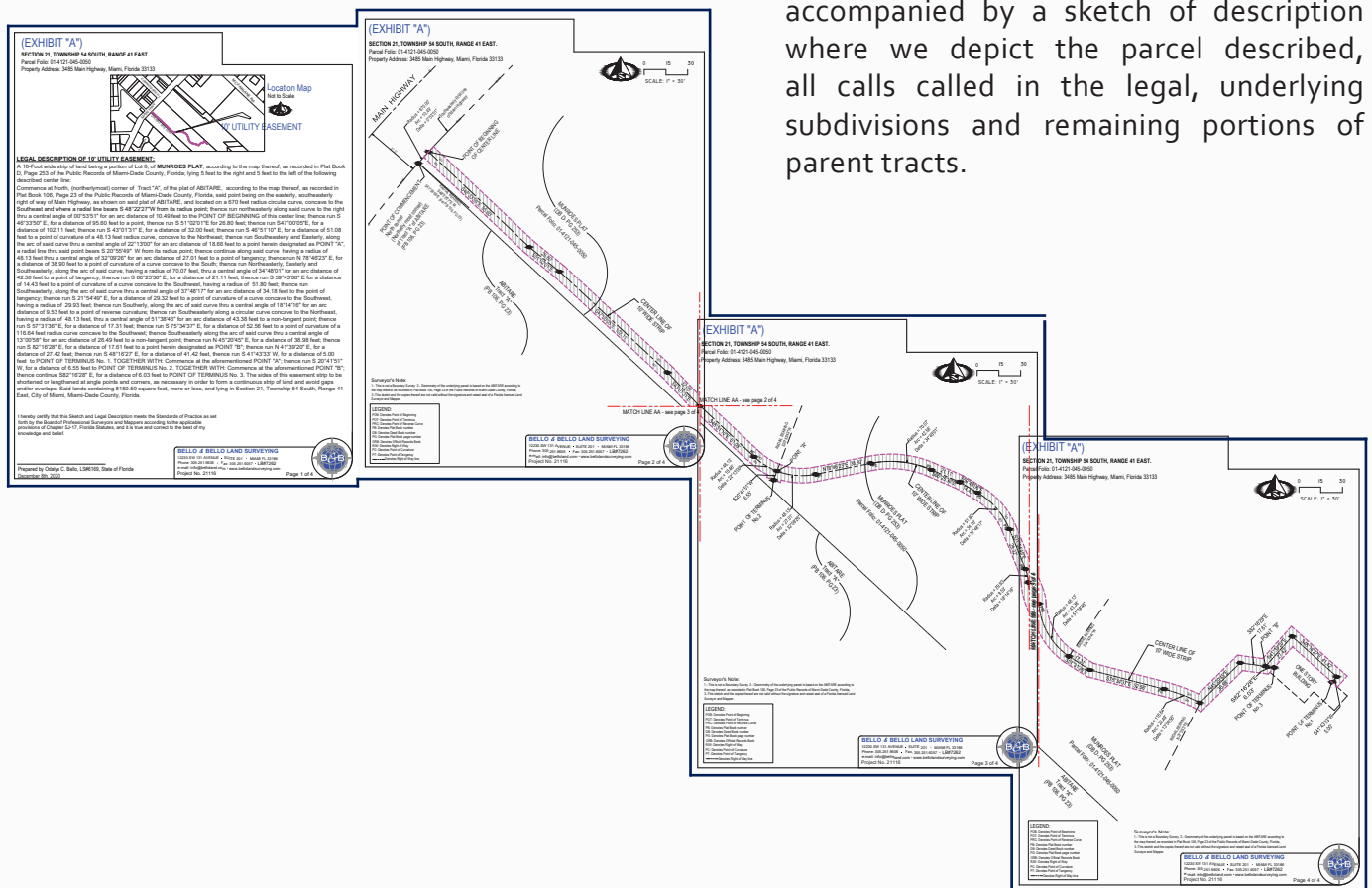
Right of Way mapping is usually performed in relationship to the acquisition of parcels of land for right of way purposes. This type of surveys includes an analysis of the abstract, legal instrument (recorded and unrecorded plats) and title issues affecting parent tract. Evaluation of lines of occupation versus deed lines, legal description preparation, sketches, base line alignments, maintenance maps, etc. When performing route topographic surveys, we establish right of way limits based on field occupation and center lines monumentation. These surveys require monumentation for alignment perpetuation, which we set as customary. We have also prepared right of way maps for Canals, easements, private roadways, and alleys. Ricardo Jorge, PSM, has extensive right of way mapping experience gained over 20 yrs. as lead Right of Way Surveyor for Miami-Dade County.



4.2.4 LEGAL DESCRIPTIONS and EASEMENTS

We are experts in writing and interpreting legal descriptions as exhibits to legal documents for conveying parcels of land, and easement rights. Preparation of Legal Descriptions is tightly tied to performing boundary surveys, since it consists in retracement and location of the legal calls in the field, and in the absence of a description, creating one that truly describes the surveyed parcels. B&B has prepared hundreds of Legal Descriptions for cut-out parcels, less-outs, Waiver of Plats, new easements (utility easements, ingress/egress, cross access agreements, aerial easements, non-obstruction view easements, partial and full easement releases, right of way dedications, vacation, and closures, etc.). We have also created legal descriptions for vertical plane spaces, and vertical clearance restrictions. When creating a legal description, we carefully select the description method, whether by aliquot parts, metes and bounds, etc. For metes and bounds descriptions we select Point of Commencements, identifiable, recoverable, and tied to either a government lot corner, a corner recorded in a legal instrument as a plat,

or some other well established permanent survey point. Legal Descriptions are usually accompanied by a sketch of description where we depict the parcel described, all calls called in the legal, underlying subdivisions and remaining portions of parent tracts.



4.2.5 CONSTRUCTION SURVEYS (LAYOUTS, STAKING, CUT AND FILL CALCULATIONS, CONSTRUCTION MONITORING, AND AS-BUILTS)

We have extensive experience performing all survey related services for construction and development. Our staff is well versed in transforming design plans from architectural units to engineering/survey units for stake outs. Special attention is paid to the fact that improvements do not violate minimum setbacks and elevations are above Base Flood Elevations and design criteria. When staking out utilities, we perform a thorough in house analysis of the system to make sure that our lay outs are performed as precise as possible and that stakes and blue points will survive the heavy equipment traffic in construction sites. We stake grade elevations for water runoff systems, calculate "cut and fills" and make necessary

assessments to prepare sites in conformance with engineering plans. Our Lay-Out services include setting project controls and temporary benchmarks to be used during the life of the project. We have stake-out buildings, right of way improvements, parking lots, drainage, gravity sewer and water distribution systems, electrical panels, telecommunication towers and antennas, fuel and gas tanks, water coaster towers, piles, bridges, seawalls, retention walls, storm retention ponds, etc. During construction we have prepared spot surveys, foundation surveys, partial as Builts and finals. We monitor and document installation using survey grade drone aerial imagery and photogrammetry. When doing As-Builts, we recognize the importance of having accurate, perdurable records. We document horizontal location, dimensions, quantities, elevations, and attributes. We use conventional surveying, GNSS (Static/RTK/GPS), 3D-Laser Scanning (HDS) and UAS Photogrammetry for the preparation of As-Builts.



4.3 AERIAL PHOTOGRAMMETRY



Our team is more than qualified for the photogrammetric surveys anticipated by this contract. We take UAS and/or vehicle-mounted spatial imaging systems integrated with GNSS technology for collection of highly accurate geospatial data that can be easily transformed into information-rich 3D models.

Some of the advantages of the use of UAS (Drone) mapping technology are:

- ▶ Photogrammetrically derived 3D Models can be shared on the cloud for BIM and GIS applications.
- ▶ Saves time and minimizes risk of field personnel exposure to traffic, while producing miles of topographic surveys along right of ways.
- ▶ It is a cost effective, rapid solution for monitoring and inspecting construction projects.
- ▶ It is a great tool for monitoring flooded areas after a heavy rain period or for immediate damage assessment after a hurricane or a tropical storm event.

4.3.1 MAPPING WITH UNMANNED AIRCRAFT SYSTEM (DRONES)

UAS mapping presents an enviable photogrammetric approach alternative to surveys in congested areas and to bulkier and more expensive surveying techniques such as terrestrial laser scanners. Ortho

rectified imagery provide enormous details that are cost effective and facilitate the delineation and mapping process.

Our drone fleet has performed over 200 UAS survey grade drone flight missions. Each mission is conducted by FAA certified remote pilots, with a presence of an observer. Aero triangulation and imagery processing is performed by a photogrammetrist. All operations are performed under the direct supervision of a Florida registered Professional Land Surveyor and Mapper, meeting and exceeding the standards of practice as set forth by the Florida Board of Professional Surveyors and Mappers. We have adopted FDOT Standards for Aerial Mapping and Photogrammetry, as our guidance for these surveys.

Once it is determined that this method will be used to accomplish a given survey task, our Certified Pilot confirms with FAA the flight feasibility and obtains the necessary clearances. Photogrammetrists and surveyors perform field reconnaissance to define the distribution and location of check points and Ground Control Points. High accuracy geodetic control network is essential for aero triangulation (AT) and the overall quality of mapping product. Flight Planning consists in predetermine parameters such as GSD, altitude, overlapping percentage, route length, date and time of flight depending on atmospheric

conditions. Usually, flights are conducted between 11:30 am and 1:30 pm on a clear day to avoid clouds and haze and ensure as much clarity as possible for the images. The imagery acquisition process includes drone calibration and flight execution. Data analysis and aerotriangulation (AT) also known and photo rectification is performed by highly trained technicians that identify, isolate and correct acquisition errors.



Imagery data is compared with Check Points (CP). The resulting CP comparison shall meet the check point distribution and positional accuracy requirement for the map at the 95% confidence level. Upon validation of required minimum accuracy a Digital Elevation Model (DEM) is generated simultaneously with the digitalization and mapping. Geospatial horizontal and vertical data accuracy is computed, and a statistical report is issued in conformance with FGDC

Geospatial Positional Accuracy Standards, Part 3: National Standard for Spatial Data Accuracy. (FGDC-STD-007.3-1998). In addition to statistical accuracy validation, resulting orthos and survey maps undergo a standard QA/QC process. Vertical and horizontal accuracy of point cloud data on hard surfaces shall be equal or better than 0.06' as outlined in current FDOT Survey Handbook that dictates the positional accuracy requirements for Type A High Accuracy Terrestrial Mobile LiDAR (TML).

Calibrated point cloud will be referenced to Florida State Plane Coordinate System, Florida East Zone (NAD'83/2011Adjustment). Orthometric heights (elevations) will be determined relative to NAVD'88 datum and converted to NGVD'29, if necessary.

Upon final validation, a Certified Surveyor's Report is issued, to accompany the imagery/model product. It contains all geodetic parameters of the control network, UAV information, flight information, DEM used for orthophoto production, statistical numeric-value accuracy report, orthos, data sets, metadata, and raw images. When image is acquired using UAS/Lidar, the classified scan data will be provided in LAS format with associated metadata. Digitalization and mapping are performed by cadastral technicians. The entire package is checked by the project surveyor and delivered to client as per agreement.

Upon final validation, a Certified Surveyor's Report is issued, to accompany the imagery/model product. It contains all geodetic parameters of the control network, UAV information, flight information, DEM used for orthophoto production, statistical numeric-value accuracy report, orthos, data sets, metadata, and raw images. When image is acquired using UAS/Lidar, the classified scan data will be provided in LAS format with associated metadata. Digitalization and mapping are performed by cadastral technicians. The entire package is checked by the project surveyor and delivered to client as per agreement.

4.4 UNDERGROUND UTILITY LOCATION



...the intersection of surveying and engineering.

Population growth and development has transformed our undergrounds into highly congested utility infrastructure corridors. Accurate information of existing subsurface utilities is critical to any project, it is essential to develop strategies to reduce risk, or at minimum, to allocate risk and to make informed decisions in planning new developments. All our Subsurface Utility Engineering (SUE) services will be provided in compliance with American Society of Civil Engineering ASCE Consensus Standard (ASCE C-1 38-02 "Standard Guidelines for the Collection and Depiction of Existing Subsurface Utility Data") and will be supervised by a registered Professional Land Surveyor.

Ms. Bello was Manager of the Right of Way and Damage Prevention Section, in the Utility Development Division of the largest utility in the US Southeast. She supervised a staff of seventeen (17) Underground Locating Technicians and was responsible for utility agency participation in SSOCOF (811) as a member. Ms. Bello's responsibilities included responses to a daily average of 250 locate tickets, immediate response to emergencies during outbreaks, As-Builts interpretation, Utility Liaison and Utility Coordination Ms. Bello has a deep understanding of the legislative intent and provisions of the Underground Facility Damage Prevention and Safety Excavation Act (Chapter 556, Florida Statutes) and is up-to-date with changes and revisions.

4.4.1 DESIGNATION AND LOCATION PROCESS

Our field staff is cross trained to efficiently provide underground location services. We have performed SUE Utility designation and softdigs on over thousands of LF of topographic corridors, for which we have designed



MOT plans and have pulled permits as necessary, prior to excavations. Extensive records research of maintenance maps, Utility GIS layers, coordination with records custodians, and As Built interpretation is essential for evaluating the existence of buried conduits and pipes.

Prior to a locate project we will open a Design Locate Ticket in Sunshine 811 and verify all positive responses. Depending on the SUE Quality Level required, and the expected buried utilities we will select the most reliable geophysical prospecting location method: electromagnetic induction, power source detection, ground penetrating radar (EM, RD and GPR), hand digging, pot holing, soft digging, and/or vacuum excavation methods.

GPR allows data visualization, archiving results for future references and provide reliable depth estimates, which we note in our reports subject to equipment limitations and soil conditions. It can also integrate data with third-party software for direct geolocation of buried utilities.

Quality Level A utility data constitutes the most precise location of the facility, actual exposure. Minimally intrusive excavation (Softdigs) is performed at a specific point. At least 48 Hrs prior to perform any excavation, we coordinate with utility agency/owner and permit inspectors. Immediately prior to the excavation an electronic "swipe" is performed to pinpoint the location of the hole and to preserve as much as possible the integrity of the utility. We geo-locate the utility, document size, material and other relevant information, determine the grade elevation and the actual top of pipe, as exposed. A detailed report is prepared in the field documenting all findings inclusive of the grade conditions: asphalt, soil, etc. Test holes are backfilled with the appropriate materials. Restoration is performed in order to leave the site in optimal conditions and pavement restoration is warrant for three (3) years. Reports, field data, and logs are analyzed and compared with existing records. Conflicts are addressed before final report and Utility Mapping Preparation.

Softdigs Reports, Utility Maps, and Utility Coordination Matrixes are certified by our the PSM in responsible charge. The entire SUE effort undergoes our 3-Steps QA/QC process before final deliverable.

4.5 GEOGRAPHIC INFORMATION SYSTEMS (GIS)



GIS is a framework for gathering, managing, and analyzing data. It analyzes spatial location and organizes layers of information into visualizations using maps and 3D scenes. It is a hub for any agency's interaction with customers and stakeholders. Our team has highly qualified technicians, proficient in various ESRI ArcGIS applications that can assist the City with any GIS related services, including Data Base creation.

Data from non-native GIS applications, like MapInfo, Excel spreadsheets, raster images, LIDAR, JSON, XML, databases or CAD files can be imported and XYZ Attribute charts converted using ArcCatalog and ArcMap/Arc Toolbox into feature classes and data tables using City's or County's predefined schema for the purpose of further translation into GIS data.

We can provide data maintenance, audit existing records, and digitize field notes and sketches.

As part of our deliverables, we can convert our mapping products mainly generated in CAD to ArcGIS and any other compatible application enabling direct input into City's GIS system. We can also collect key attribute information and datasets and provide the level of detail and description required by the City's various departments attribute standardization, that along with our survey grade 3D Models can be integrated with BIM, and existing GIS. As an added value ArcGIS services are available for migrating detailed cartographic plots to interactive online web portals.

4.6 FLOODPLAIN MANAGEMENT



Floodplain management is an essential discipline related to the enforcement of sea level rise ordinances, risk assessment, effectiveness of storm surge protection and flood mitigation strategies. Any new structure and equipment shall comply with floodplain requirements, consider FEMA Risk Maps Base Flood Elevations for Finished Floor Elevations and reasonable and mandatory free boards for a more resilient development.

New FEMA Flood Risks Maps not only revise the Base Flood Elevations and expand the boundaries of Special Flood Hazard Zones, but also transition from the NGVD'1929 to the NAVD'88 (North American Vertical Datum of 1988). The City can benefit from the fact that our team has a Certified Floodplain Manager (CFM), that is also a registered Land Surveyor and can provide Flood Risks Map analysis, compare newly published with historical maps, interpret flood Insurance Studies (FIS) for precise BFE determinations, prepare and revise Floodplain Permits, negotiate with FEMA and other permitting agencies to "grandfather" the elevation of the existing improvements, verify floodproofing, and assist in the various FEMA Appellation Processes.

Our Floodplain Consulting Services extend to monitoring CRS compliance and Certification Processes, make recommendations and protect the interest of the City of Key West local government and residents while dealing with FEMA and FDEP.



4.7 HYDROGRAPHIC - BEACH SURVEYING



B&B has all the capabilities to provide the hydrographic/bathymetric survey services anticipated by this contract.

We routinely perform hydrographic surveys that include canal crossings, retention pond as built, mean high water line surveys, marina surveys, beach erosion surveys, dune delineation, marine vegetation surveys, creation of legal descriptions for marine delineation and vertical plane water parcels, bridge piles layouts, as-builts, etc. Hydrographic Surveys allow us to measure and map the depth, topography, and conditions of bodies of water. For Hydrographic Surveys we follow Standards of Practice and the USACE EM 1110-2-1003 Hydrographic Survey Manual.

4.8 PLANS REVIEW QA/QC



We have two (2) NOAA certified coastal mappers on staff that can assist the City in preparing and or reviewing hydrographic, tidal surveys (MHWL and MHW), locate jurisdictional limits of submerged lands under navigable waters, locate Coastal Construction Control and Erosion Control Lines, and negotiate and process permits with the Bureau of Land Management, the USACE, the Department of Environmental Protection, and other regulatory agencies.

As an added value to this contract, B&B is prepared to assist the City with Plans Review Consulting Services. We have a Plans Review Unit that consists of a highly trained registered PSM and CST that provide Plans Review (Quality Assurance and Quality Review) of survey products for engineers, contractors, developers, surveyors, municipalities and government entities. Reviews are conducted strictly under the supervision of a Florida Registered Land Surveyor & Mapper, manually or digitally, using Autodesk Design Review and BlueBeam REVU. Our reviews include auditing the digital and manual field notes, and the electronic data collected, review of the survey product in connection with the pertinent information used in preparation of the surveys. When necessary, we conduct field visits and verify information. For each review we create a Cloud-Base Excel B&B Review Matrix where comments are posted and updated, accordingly.

Reviews comply with Standards of Practice as set forth by the Florida Board of Professional Surveyors and Mappers in applicable provisions of Chapter 5J-17, Florida administrative code pursuant to Section 472.027 Florida Statutes. We also ensure compliance with agencies requirements, local, state, and federal guidelines.

		AS-BUILT REVIEW COMMENTS				
No.	SHEET	WASD COMMENTS	1st REVIEW DATE: 04/14/2020	2nd REVIEW DATE: 05/28/20		
			REQUESTED	SATISFIED	REQUESTED	SATISFIED
1	Sheet 1-5	Delete	✓	✓		
2		Center	✓	✓		
3	Sheet 1	The value should be 900'34'73" as per the SPC values provided	✓	✗	✓	✗
4		As provided are being base on	✓	✓		
5		P-215-1 X20	✓	✗	✓	
6		As existing should be dashed lines	✓	✓		
		Recommended language for Contractor certification must read "contractors certification. I certify that this As-built / Record Survey have been reviewed by the undersigned or by any person working on this project under my direct supervision and the information herein provided is correct and accurate to the best of my knowledge and belief and it is in compliance with Miami Dade Water and Sewer department Standards."	✓	✓		
		Missing other plate used in this survey	✓	✓		
		Need to provide flood information from terra firm maps (There is a minimum height requirement above crown of road or BFE for the pump station)	✓	✓		
		This is a sub-section of the old minimum technical standards of practice no longer in effect	✓	✓		

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RFQ SPECIFIC PROJECTS



Project # 1: Biscayne Bay Mean High Water Line (MHWL) Tidal Survey

Description:

MHWL Hydrographic – Tidal Survey - Jurisdictional line of submerged lands
Topographic - Exotic Vegetation Location Survey. B&B prepared a Boundary and Topographic Survey, of a property bounded at the south by a 120' wide Coral Gables Canal waterway and at the East by the waters of Biscayne Bay. Horizontally this survey was referred to Florida State Plane Coordinate System, NAD'83/2011 Adjustment and the entire project was performed using conventional surveying techniques, geometric level, UAS Survey Grade drone imagery acquisition, and GNSS/RTK GPS measurements relative to FDOT Florida Permanent Reference Network (FPRN). Vertically this project was managed in two (2) vertical datums: NAVD'88 for all State of Florida Department of Environmental Protection submittals and in NGVD'29 for local submittals to City of Coral Gables and Miami – Dade County (DERM). Elevations were brought to the site from two (2) official Bench Marks performing an adjusted 2nd Order closed level loop. B&B approached the State of Florida DEP for determining the approved methodology to be used. The Mean High Water Line was established extending the 0.14 Ft NAVD'88 contour line to the site derived from Point ID No. 169 in USGS 7.5 – Minute Quad Map "South Miami" Tidal Epoch 1983-2001. B&B established Project Horizontal and Vertical Controls including required BM by DEP. Survey is filed with the State of Florida and becomes part of state tidal data records. B&B outlined the abutting parcels owned by the State of Florida Board of Trustees of the Internal Improvement Trust Fund and plotted the water's edge, top of bank and MHWL lines. Exotic coastal vegetation was plotted and identified. B&B took various cross sections at the shoreline, located the protection boulders (ripraps) and determined the hard bottom elevation on the transects. Survey complied with the Standards of Practice for Land Surveying outlined in Chapter 5J-17, and with provisions of Chapter 177, Part II, Coastal Mapping Act, Florida Statutes.

Location: 650 Lugo Avenue, Coral Gables FL 33156

Consultant: Moffatt & Nichol

2937 SW 27 Avenue, Suite 101A | Miami, FL 33133

D 786.725.4182 | M 305.979.4232

Client Contact: Christy J. Brush, CFM, Environmental Regional Manager Email: cbrush@moffattnichol.com

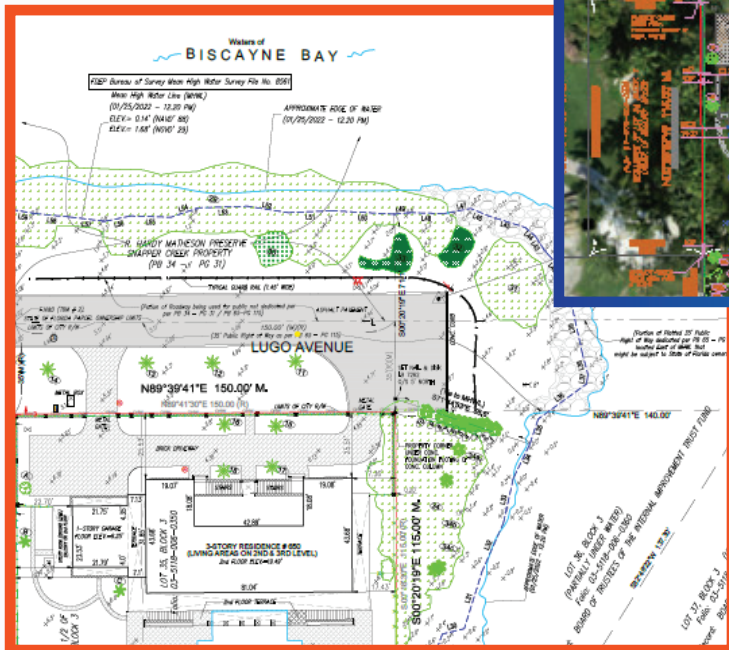
Assigned Staff

PM: Odalys C. Bello, PSM

Technical Support Staff: Ricardo Jorge, PSM; Jorge Cabrera,

PSM, Kenia Bello CST, David Toyos, Hendy Fernandez

Fee: \$12,420.00



Project # 2: Bathymetric Survey of Flamingo Waterway and Topographic Survey along Pine Tree Drive

Description:

B&B prepared a route topographic survey on Pine Tree Dr that included right of way lines establishment, crosssections every 100 Ft, utility location, determining invert elevations, pipe size, material and directions, depiction of traffic lines, signs, and location of all relevant matters along the route. This survey included detailed depiction of the bridge structural components and clearances over sea level. Horizontally this survey was referred to Florida State Plane Coordinate System, NAD'83/2011 Adjustment. Elevations were determined performing an adjusted 2nd Order closed level loop from two (2) official Bench Marks.

On the waterway the survey included full depiction of the channel from seawall to seawall. Data was collected using HYPACK 2020 employing SR Surveyor M1.8 Autonomous Survey Vessel with integrated INS. The Multibeam Swath width was +/- 70 degrees. B&B prepared profiles, depicted bridge columns and provided a color enhanced point cloud and 3D modeling. Bathymetric data collection techniques exceeded the requirements outlined in the USACE Hydrographic Surveying Manual, EM1110-2-1003. The survey complied with the Standards of Practice for Land Surveying outlined in Chapter 5J-17, Florida Statutes.

Location: Pine Tree Drive and West 51st Street, Miami Beach, FL. 33140

Prepared for: 300 Engineering Group, PA

2222 Ponce de Leon Boulevard, Suite 300 Coral Gables, FL 33134,

Tel: 305-602-4602,

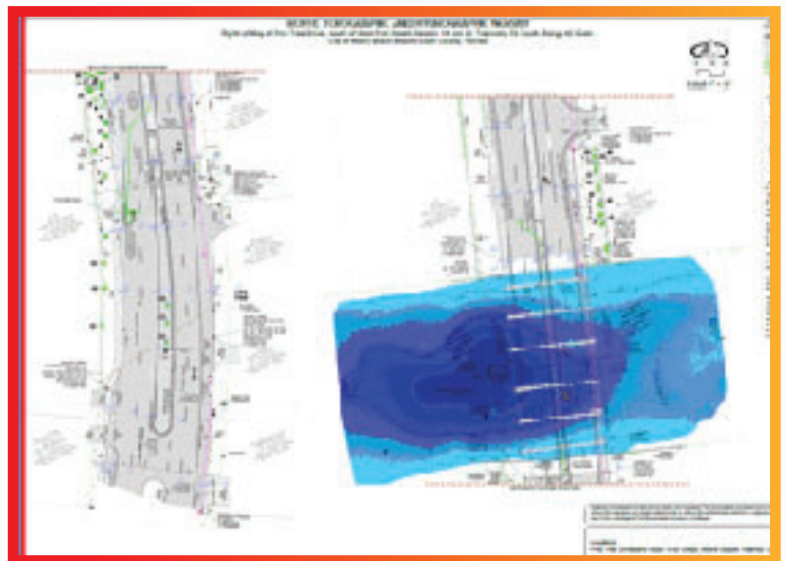
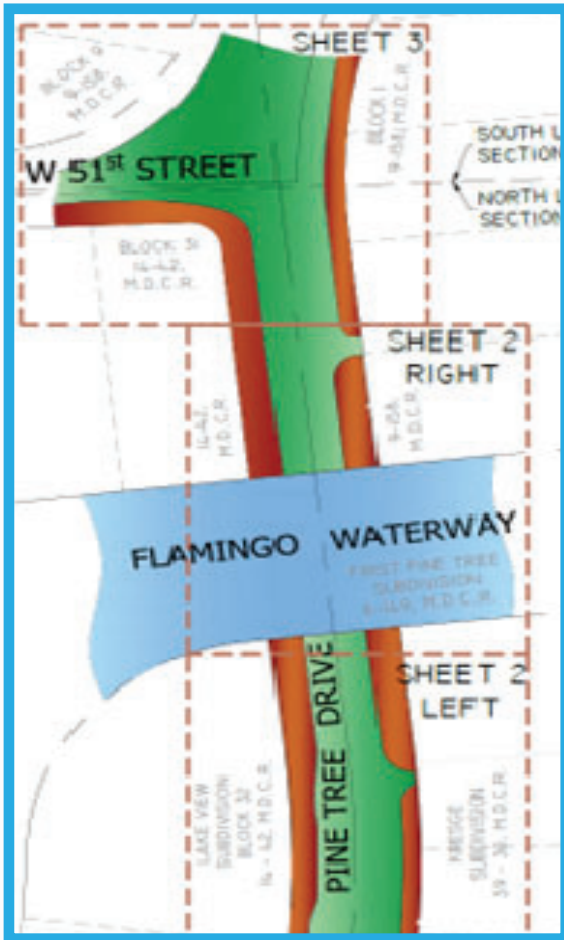
Client Contact: Ana C. Dvorak, ENV SP - email: acdvorak@300engineering.com

Assigned Staff

PM: Odalys C. Bello, PSM

Technical Support Staff: Jorge L. Cabrera, PSM; Kenia Bello CST

Fee: \$25,000.00



Project # 3: Rose Key (a/k/a Linderman Key)

Rose Key is a complex of three (3) small islands totaling approximately 9 Acres located in South Biscayne Bay, Northeast of Key Largo in Section 32, Township 58 South, Range 41 East, Quad Card Sound, Monroe County, Florida.

Description:

PHASE I: Boundary Survey of certain areas to identify, locate and describe certain parcels under water to prepare technical supporting documentation (Sketch and Legal Descriptions) to accompany an application to the Florida DEP, Division of State Lands for Disclaimers to claim title to submerged lands, pursuant to Chapter 253.129, FS (Blank Butler Act Application). The parcels to describe were two specific areas: Main Dock on main island and Terminal Platform on the east island. Additionally, a 3rd parcel needed to be described to obtain an aerial easement over a channel connecting two (2) islands. Due to access constraints and remoteness of site location the most suitable method to fulfill the task was data acquisition and mapping by photogrammetric method using UAV (Unmanned Aerial Vehicle) aerial platform.

PHASE II: Lay-Out of pilings for new dock and bridge passages. As Built of constructed improvements and Final Survey. Duties:

Records research (Plats, prior survey, deeds, Quad Maps, LABINS data base for nearest NGSS Benchmarks and Control Points, historical pictures from various data bases). RTK/GPS Boundary and Topographic Survey of the site. Establishment of Photogrammetric ground control points based on two (2) USGS points for geo-referencing images and further survey work. Flight plan preparation, height, % of overlap and other route parameters determination to achieve required accuracy and image scale. Data acquisition and mapping using UAV (Unmanned Aerial Vehicle – DJI Phantom 4 Pro) aerial platform. Collection of over 14,000 high resolution images. Data processing, rectification, orthophoto production, and 3D model analysis using ERDAS Imagine software. Comparison of aerial current photos with historical images. Ascertain location and remains of concrete piles located beneath water's surface. Identification of structures 'remains affixed to submerged lands. Preparation of one (1) Metes and Bounds Legal description and Sketch to accompany a description for an aerial easement. Preparation of two (2) Metes and Bounds Legal Descriptions and Sketches to accompany a description of submerged lands parcels. Horizontally all survey was referenced and tied to Florida State Plane Coordinate System, East Zone, NAD'83, 2011 Adjustment.

For Phase II: Lay out of piles and As-Built and Final Survey using newly acquired orthomages. Preparation of Final Record Surveys.

Location: South Biscayne Bay, Linderman Key, Key Largo Florida.

Prepared for: Rose Key Land Holdings VIII, LLC and Zumpano Patricios & Winker, P.A.

312 Minorca Avenue Coral Gables, Florida 33134

Ph: 305.444.5565

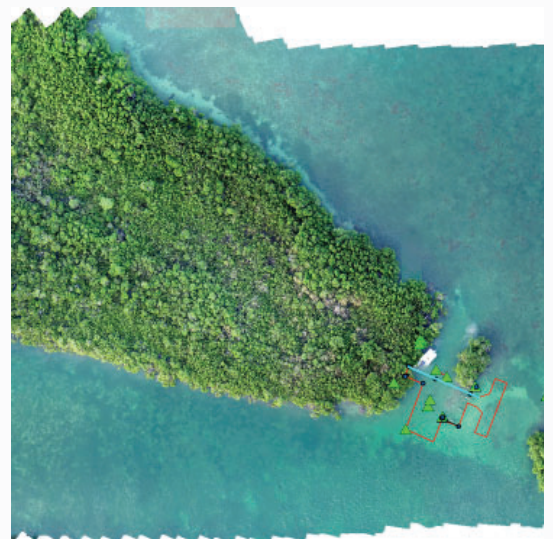
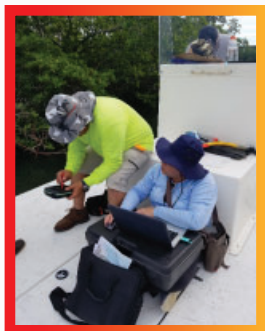
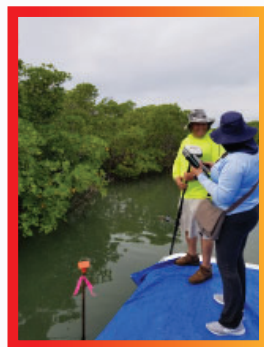
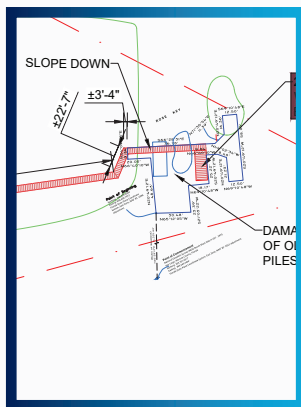
Client Contact: Joseph Zumpano, jzumpano@zpwlaw.com

Assigned Staff

PM: Odalys C. Bello, PSM

Technical Support Staff: Ricardo Jorge, PSM; Kenia Bello CST, David Toyos

Fee: \$33,200.00



Project # 4: Pearl at Dadeland Utility Easements

Description:

The Pearl is a multi-story 412 apartment building next to WASD PS #275. Prior to construction B&B performed underground location with GPR and Softdigs to locate buried FPL conduits with the purpose of relocating conduits vacate Utility Easements. B&B created Legal Descriptions for temporary Construction Easements and provided utility mapping for development purposes.

After construction completion it was discovered that part of the building was encroaching (Horizontally and Vertically) into a WASD Utility Easement for a 12" WM and into an Ingress Egress easement along the west side of property that gave access to WASD Pump Station #225. B&B designated and located the 12"WM to confirm pipe alignment with center line of water easement of record and confirmed that pipe and easement center line aligned properly. Survey work to determine the above grade elevation of terraces and balconies on building west side was conducted. B&B prepared a sketch delineating those building portions elevated below the 25 FT vertical clearance. B&B negotiated with WASD and County attorneys Office the partial release of easements encompassing the aerial encroachments. Both easements were fully released and new easements were granted avoiding the aerial encroachments. B&B prepared the Sketches and Legal Descriptions describing the horizontal and vertical planes portions.

The new Water and Sewer Standard Utility Easement was recorded in ORB 31304, Page 3358.

The Permanent Ingress Egress Easement to PS # 225 - that included special language to protect WASD interests such as access provisions and special roadway pavement to support WASD Vac trucks and maintenance vehicles was recorded in ORB 31304, Page 3449, Public Records of Miami -Dade County, FL.

Location: 7440 S.W. 88th Street , Miami, Florida 33156

Prepared for: Morgan Group - Pearl At Dadeland Owner, LLC
2001 Ross Avenue Suite 3400, Dallas, Texas 75201

Ph: (973) 464-5617

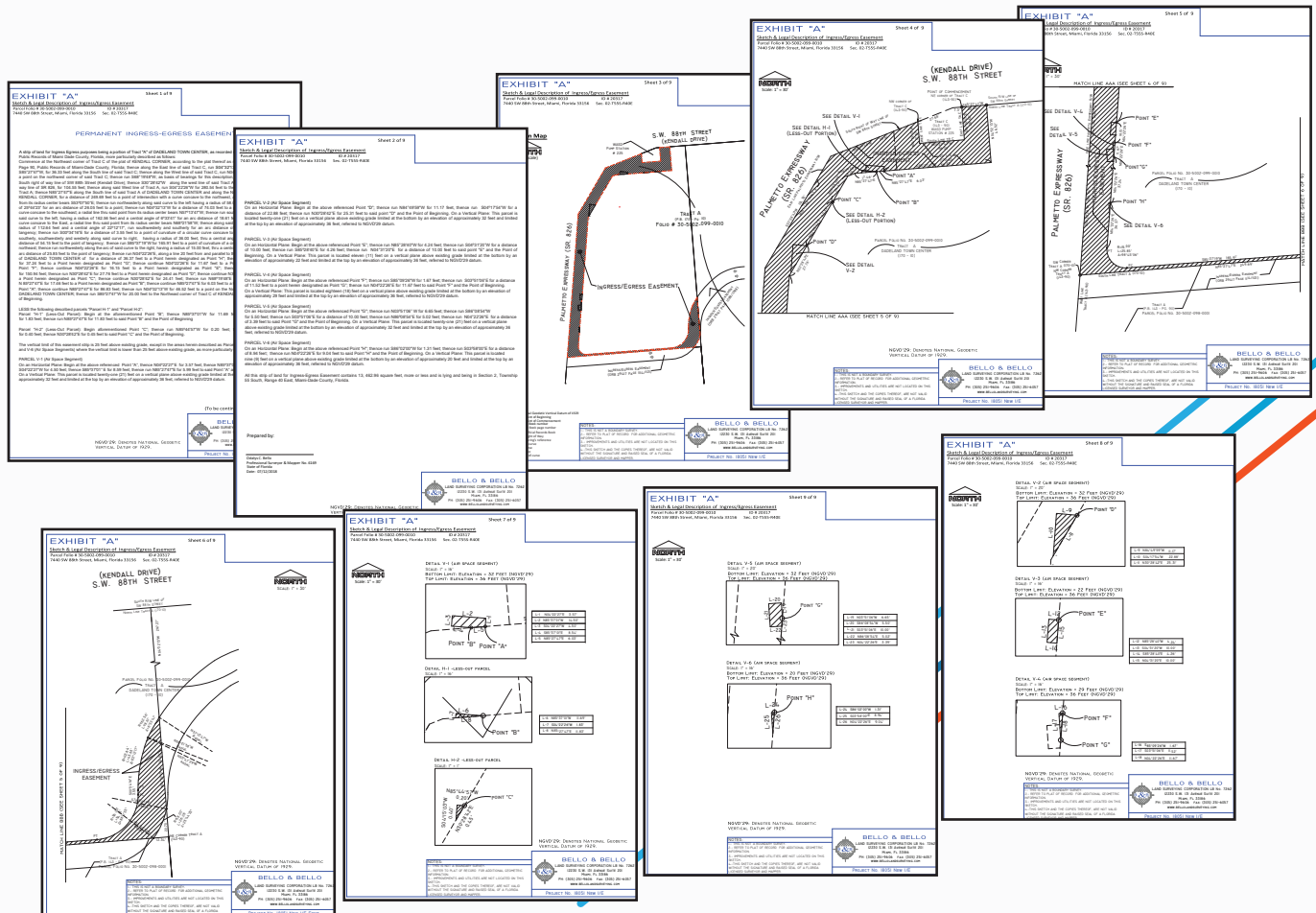
Client Contact: Evan Schlecker - email: evan@morgangroup.com

Assigned Staff

PM: Odalys C. Bello, PSM

Technical Support Staff: Ricardo Jorge, PSM; Kenia Bello CST, Henny Fernandez

Fee: \$7,500.00



Project # 5: CDWWTP Oxygen Production Facility

Description:

As Sub Consultant in CD 2.27 CDWWTP Oxygen Production Facility DB01-WASD-17 B&B performed: Preconstruction Topographic Survey of +/- 11 Ac Cut- Out parcel in western portion of CDWWTP, combining Total Station, geometric Level with Robotic TS, GPS/RTK and UAS (Drone). Tied Survey area to WASD Control Points. Third order differential leveling on NGVD'29 Datum using two official Bench Marks to set the vertical control and determined elevations of all existing improvements and utilities, and grade elevations @ 25 Ft cross sections. Location of all aboveground improvements and utilities. Opened inlets and manholes, determined invert elevations, pipe diameter, material and direction. Compared horizontal location with WASD prior survey used for design of construction ready components. Performed open traverse (redundant measurements) between two WASD Control Points, performed adjustments. Managed two datasets, one relative to FSPC System and other in WASD Plant Local Datum. Set eight (8) Project Control Points (Horizontal and Vertical Control). Prepared orthomosaic and DTM. Lay-Out piles and performed As Builts. Performed periodical Drone flights to document construction progress. Performed 3D Laser scanner for As-Built of new oxygen facility. Lay-Out utilities and prepared as builts for new 16" Sludge, new 18" Wastewater Pipe, electric Ductbank and Steel Oxygen pipe. Work has been performed in compliance with WASD standards for Topographic Surveys and Standards of Practice established by the Board of Land Surveyors and Mappers in applicable provisions of Chapter 5J-17, Florida Statutes.

Location: 3989 Rickenbacker Causeway, Virginia Key, Miami, FL 33149

Prepared for: Wade Trim / PCL

2100 Ponce De Leon Blvd., Suite 940, Coral Gables, Florida 33134

Ph: 786.361.1645

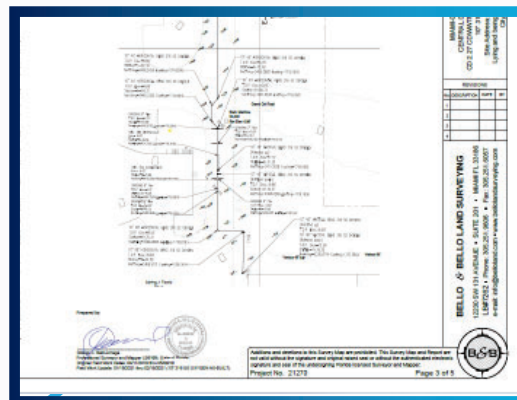
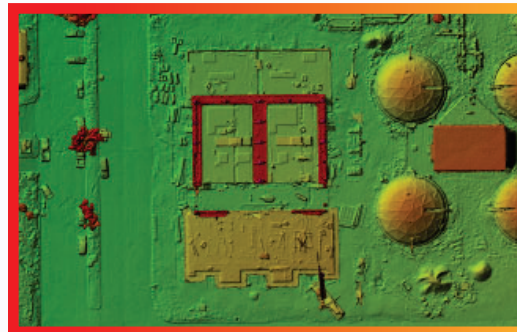
Client Contact: Carlos A. Lopez, P.E. - email: clopez@wadetrim.com

Assigned Staff

PM: Odalys C. Bello, PSM

Technical Support Staff: Ricardo Jorge, PSM; Kenia Bello CST, David Toyos, Hendy Fernandez

Fee: \$85,596.00





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RESUMES

... our people drive our TEAM.



Odalys C. Bello, PSM, CFM, MSc

Page 1 of 2

**Professional Surveyor and Mapper
Certified Floodplain Manager
Photogrammetry Engineer**

KEY QUALIFICATIONS

- ▶ Innovative solutions in Land Surveying, Coastal Mapping and Geospatial Technologies.
- ▶ 500,000 LF of topographic routes for water/wastewater.
- ▶ Topographic and Control surveys, Horizontal – Vertical Datum Conversions/ ALTA-NSPS Boundary Surveys/3D Mapping/ Hydro-Bathymetric Surveys/Submerged Lands Leases /Mean High Water Line/ Coastal Mapping/ Legal Descriptions/ Floodplain-FEMA Application Surveys/ Plans Review/Aerial Mapping/Lay-Outs/As-Built/ Scanning/SUE -Underground Utility Location /FL Advanced MOT-TTC/Platting-Land Subdivision.
- ▶ EDM, Real Time GNSS, UAS, Lidar, Scanning and Remote Sensing/ Hypack Navigation Software/Point Cloud Processing Software, AgiSoft, Photoscan, GIS, Revit and CAD/Civil 3D.

EDUCATION

Bachelor's Degree in Land Surveying (Geomatics)
Photogrammetric Engineer
Master of Science in Engineering

CERTIFICATIONS

- ▶ Professional Land Surveyor and Mapper LS 6169
- ▶ Certified Floodplain Manager
- ▶ US-18-10431
- ▶ FDOT FL Advance TTC (MOT)#62606
- ▶ NOAA Coastal Inundation Mapping
- ▶ ASPRS General Knowledge
- ▶ ASE Lean Six Sigma Green Belt
- ▶ Miami-Dade County Supervisor Leadership and Management

Ms. Odalys C. Bello has more than 29 years of experience in land surveying and geospatial mapping sciences, and has been a registered surveyor since 2001. Her knowledge and capability is a unique skill set based on leading and technical supervisory rolls for multimillion dollar high-quality projects in government and in the private sector.

Ms. Bello is experienced in directing and preparing surveys for multiple purposes and has mastered the integration of basic surveying principles and practices with the most advanced technologies for producing Boundary and ALTA/NSPS Surveys for land acquisitions; Right of Way Mapping; Topographic Surveys for storm drainage, water, wastewater, power and gas distribution stations; Horizontal/ Vertical control network establishments; Lay-Outs, construction monitoring and As-Built Certifications; Mean High Water and Mean Annual Flood line determinations; Coastal Mapping, Primary Frontal Dunes delineation, Erosion and Coastal Construction Control Lines location; National Forrest Communities and Wetlands delineation surveys; Single/Multi beam Bathymetric - Hydrographic Surveys; FDEP MHWL –Tidal Surveys; Environmental Assessment Surveys; Digital Elevation Models (DEM); Terrestrial and Aerial Photogrammetry, UAS imagery acquisition, Lidar, scanning, remote sensing, and high-resolution raster data; SFWMD control structures, and USACE navigation channel surveys.

Ms. Bello is an expert in jurisdictional boundary determinations, boundary dispute resolutions, title abstracts reviews, land subdivision, Platting, Land Use surveys, Legal Descriptions for easements, submerged lands leases, and cut-out parcels. As a Certified Floodplain Manager she has interpreted existing FEMA Flood Insurance Studies for precise Base Flood Elevation determinations and performed Flood Risk Map analysis of residential, commercial and critical infrastructure facilities.

From 2008 to 2015, Ms. Bello worked as a Miami-Dade County Professional Land Surveyor and the Right of Way Manager of the Miami-Dade Water and Sewer Department, the largest water and sewer utility in the southeastern United States. Her responsibilities included WASD's evaluation and approval of countywide road closing petitions, easement acquisitions and releases, review of topographic surveys, As-Built and Plats. She was also responsible for the conveyance of thousands of linear feet of newly installed and/or relocated large/small diameter pipelines of water, sewage and associated infrastructure including standard and booster pump stations. Ms. Bello directed and supervised WASD's Damage Prevention and Underground Utility Location operations and was responsible for WASD's timely responses to Sunshine One Call (811) location tickets. Ms. Bello supported WASD's Engineering and GIS Sections in utility coordination, verification of easements and right of ways, and assets inventory updates. Ms. Bello worked closely with WASD's Real Estate Management Office assisting with review and approval of surveys, and with the County Attorney's Office in boundary dispute claims and utility damage litigations. Ms. Bello is actively involved in Sea Level Rise and Resilience adaptation initiatives, has attended the Southeast Florida Climate Change Summits.

Ms. Bello is Director of Surveying of Bello & Bello Land Surveying and is Principal in Charge as Prime and Sub Consultant for various MDC contracts in WASD and PROS. She brings not only years of experience, but an extraordinary ability to work closely with clients, understand projects specific needs and determining the right, most advanced cost effective and safe technology to be employed in order to meet budgets and schedules, without sacrificing quality, accuracy and compliance with statutory and regulatory agencies requirements.

RELEVANT EXPERIENCE**Rose Key Phases I and II, Rose Key f/k/a Linderman's Key, southern side of Biscayne Bay, Monroe County:**

Phase I consisted on a survey of existing docks, shoreline and terminal dock including submerged ruins of old piles evidencing previously existing structures. B&B took and rectified aerial images of the area and overlaid on top of old available photos, and prepared Sketch and Legal Descriptions (by metes and bounds) to be part of an application with FDEP, Division of State Lands for Disclaimers to confirm title of formerly sovereignty lands, pursuant to Chapter 253.129, FS (Blank Butler Act Application). Part of this survey included a bathymetric survey of the navigable channel between main island and middle island for measuring a vertical plane segment subject to an aerial easement encompassing a proposed bridge overpassing the channel. Access constraints, remoteness and scope of work demanded surveying and mapping by photogrammetric methods for which B&B used low altitude Unmanned Aircraft System (UAS) aerial platform for imagery acquisition and GPS/conventional surveying for terrestrial horizontal/vertical control. Aerial survey included Flight plan (route, height, overlapping and other parameters critical for achieving required accuracy and resolution), imagery acquisition (over 1400 high resolution images), aerotriangulation, post processing, orthophoto production and 3D model analysis using ERDAS Imagine software. Comparison of current orthophotos with historical orthoimages and relate ruined piles' location to structures on historical photos. Survey included discussion with Bureau of Land Management about alignment and location of areas to be claimed based on the forensic analysis of the overlaid orthophotos. Phase II of the project included additional boundary, topographic and hydrographic survey (+/- 9 Ac.). Mean High Water Survey. Geodetic Control establishment. Lay-Out of piles on channel and submerged parcels, construction monitoring and as-builts by GPS and photogrammetric methods. All legal descriptions were horizontally referred and tied to Florida State Plane Coordinate System, East Zone, NAD'83, 2011 Adjustment. Elevations were taken in NAVD'88 and converted to NGVD'29.

Miami Beach Water Booster Pump Station W2 Rehabilitation:

B&B combined aerial photogrammetric methods, conventional surveying (GPS/RTK) and 3D- Laser Scanning to prepare a Boundary and Topographic Survey of the entire 3.2 Ac Tract. We performed records research and evaluated old As-Builts provided by the City. Abutting ROW at the East lack information and we established it based on field occupation and survey monumentation recovered. We brought horizontal and vertical control to the site for future utility engineering design. SUE included GPR/RD utility designation and softdigs (vacuum excavation) for determining precise location of existing pipelines. Topography included determining invert elevations of existing manholes and drainage structures. A High Definition Survey (3D Laser Scanning) was conducted inside the station for preparation of accurate As-Builts of the facility that included three (3) booster pumps that supply an average daily demand of 24.7 MGD. We surveyed and determined the diameter and height of two (2) potable water storage tanks located at the facility with capacity of 4 MG each. We prepared a DTM, processed and provided a point cloud for 3D modeling.

Port of Miami Tunnel - Government Cut Utility Relocation:

Government Cut Utility Relocation: Negotiations with State of Florida Bureau of Land Management on behalf of WASD for the grant of easement rights under the navigable waters of Biscayne Bay for the horizontal and vertical relocation of a 54" Waste- water FM underneath Government Cut replaced with a new 54" FM installed via micro-tunnel trenchless technology and the replacement and installation of a new 24" WM underneath Fisherman's Channel. QA/QC of WASD As-Builts and of Sketch and Legal Descriptions for WASD's vertical plane easements, verification for compliance with WASD standards, DEP requirements and with Port of Miami dredging and deepening plans. Technical support for County Attorney's Office and WASD Intergovernmental Affairs office for securing WASD temporary easement rights over submerged lands during construction and permanent easement rights after final utility relocation.

Bathymetric Survey of Flamingo Waterway and Topographic Survey along Pine Tree Dr.:

B&B prepared a route topographic survey on Pine Tree Dr that included right of way lines establishments, SUE Quality Level B underground utility location, UAS imagery acquisition and orthorectification, crosssections every 100 Ft, utility location, determining invert elevations, pipe size, material and directions, depiction of traffic lines, signs, and location of all relevant matters along the route. This survey included detailed depiction of the bridge components and clearances over the waterway waters. On the waterway the survey included full survey of the channel from seawall to seawall. Data was collected using HYPACK 2020 employing SR Surveyor M1.8 Autonomous Survey Vessel with integrated INS. The Multibeam Swath width was +/- 70 degrees. B&B prepared profiles, depicted bridge columns and provided xyz files to consultant as part of the deliverables.

Consent Decree CD 2.27 CDWWTP Design Build of new Oxygen Production Facility:

B&B prepared: Preconstruction Topographic Survey of +/- 11 Ac Cut- Out parcel in western portion of CDWWTP, combining Total Station, geometric Level with Robotic TS, GPS/RTK and UAS (Drone). Tied Survey area to WASD Control Points. Third order differential leveling on NGVD'29 Datum using two official Benchmarks to set the vertical control and determined elevations of all existing improvements and utilities, and grade elevations @ 25 Ft cross sections. Location of all aboveground improvements and utilities. Opened inlets and manholes, determined invert elevations, pipe diameter, material and direction. Compared horizontal location with WASD prior survey used for designed of Construction ready components. Performed open traverse (redundant measurements) between two WASD Control Points, performed adjustments. Managed two datasets, one relative to FSPC System and other in WASD Plant Local Datum. Set eight (8) Project Control Points (Horizontal and Vertical Control). Prepared orthomosaic and DTM. Lay-Out piles and performed As Built. Performed periodical Drone flights to document construction progress. Performed 3D Laser scanner for As-Built of new oxygen facility. Lay-Out utilities and prepared as-built for new 16" Sludge, new 18" Waste-water Pipe and electric Duct bank.

City of Weston – Comcast SUE and As-Built for Engineering Permit Close-Out:

Surveyor of Record of this project. B&B was hired by Comcast SFL to provide necessary survey-related documentation, inspections and as-builts along a 40 mile route for closing out open engineering permits for installation of telecommunication cables and facilities in various residential and commercial communities in the City of Weston, Broward County, FL: Captiva Cay, Country Isles Patio Homes I, II and III, Executive Homes I and II, Executive Park and North Corporate Lakes. B&B coordinated meetings with Comcast and City of Weston for creating a strategy and formulating a schema for supplying required survey documentation. B&B performed Community Outreach, including coordination with various Homeowner Associations and Property Management companies for logistics and to maintain residents and stakeholders informed about the progress of the work. B&B interpreted contractor's field notes and redlines on Design plans and located, using various techniques including GPR, RD and hand digging for designating (low impact markings) the presence of Comcast telecommunication cables, boosters and pedestal. B&B surveyed the designations and prepared certified as builts. B&B established easements and right of way lines to determine if cables and facilities were properly installed within permitted right of ways. B&B staked out easement lines for facility relocations when necessary. Certified As - Builts depicted location of underground piping and Northing/Eastern coordinates for aboveground facilities, referred to Florida State Plane Coordinate System in NAD'83/2011 adjustment. GPR logs, notes and KMZ file was provided to client for asset management. As-Built Record Surveys were prepared in accordance with Standards of Practice, as set forth by the Board of Land Surveyors in applicable provisions of Chapter 5J-17.



Ricardo Jorge, PSM

Professional Land Surveyor and Mapper

KEY QUALIFICATIONS

- ▶ 35 Years of Experience
- ▶ Project Management and Coordination
- ▶ QA/QC
- ▶ Clients Representation
- ▶ Layouts and As-Builts Surveys
- ▶ Boundary Surveys
- ▶ Bathymetric Surveys
- ▶ UAS Aerial Mapping
- ▶ 3D Laser Scanning/GIS/BIM
- ▶ ALTA Surveys
- ▶ Plats-Legal Description
- ▶ SUE
- ▶ Topographic Surveys
- ▶ Hydrographic Surveys
- ▶ Roadways and Right of Way Surveys

EDUCATION

- ▶ Civil Engineer ISPJAE, Havana Cuba (1976)
- ▶ Surveying and Mapping (1985)

CERTIFICATIONS

- ▶ Professional Land Surveyor and Mapper LS 6283

Mr. Jorge is a seasoned Professional Land Surveyor and Mapper with more than 30 years of experience directing surveying operations, managing survey crews and cadastral technicians. Ricardo has unparalleled knowledge and understanding of surveying standards of practices, FDOT guidelines for various surveying disciplines, and how the various governmental and permitting agencies enforce standards. He routinely deals with FDOT, SFWMD, Building Departments, Utility Agencies, and DEP ensuring that our survey products meet and/or exceed current requirements. For over 20 years Ricardo worked as Lead Surveyor supervising geospatial data collection and postprocessing for route and site topographic surveys in Miami-Dade County Department of Transportation and Public Works. He also performed surveying calculations for reviewing and approving new plats and land subdivisions, ensuring adherence to county and Florida State regulations for land subdivisions. Prior to working in the Public Works Department Ricardo worked as Surveyor in Charge and Party Chief in prestigious land surveying serving developers and government agencies. Mr. Jorge's experience in performing plans reviews and establishing and enforcing QA/QC protocols is rooted in his deep knowledge of surveying and mapping using traditional and advanced geospatial technologies. His experience in responsible charge include working in boundary surveys for land acquisition, utility easements legal descriptions, route topographic surveys, right of way mapping, As-Builts, Geodetic Control establishments, horizontal and vertical datum conversions, Construction layouts to Final As-Builts, legal descriptions of utility easements and SUE, Quality Levels A, B, C, and D.

RELEVANT PROJECT EXPERIENCE

WASD PCTS 15634 - Design of 12" DI WM replacing aged-unprotected 12" CIP along SE 3rd Street:

Ricardo was one of the surveyors in charge of supervising field data collection for this project. This project presented three main challenges: Working on a pedestrian/vehicular congested right of way full of underground utilities, working surrounded by tall buildings that interfered with GNSS signal, and Metro- Mover tracks on the north 1/2 of right of way running in an upwards inclined from Biscayne Blvd., westerly to Downtown 1-95 Distributor (SR 854). B&B performed the entire +/- 1500 LF Route Topographic Survey using total station and various setups for visibility. We ran differential leveling from two official benchmarks, established geodetic control, set project control points, base line reference points and monumented Base Line at every station Project Horizontal Datum: Florida State Plane Coordinate System, Florida East Zone NAD'83 (2011 Adjustment). Project Vertical Datum: NGVD'29. Under this task we performed project coordination with and reporting to Prime Consultant. We researched records: Plats, township maps, certified corner records, FDOT maps, water and sewer atlases, as-builts of different utilities, Benchmarks, NGS, and Labins, City of Miami Municipal Atlases, and MDT Right of Way Map for Metro - Mover ROW. We established the right of way lines based on actual occupation and monumentation. We located of all aboveground improvements and utilities. Determined grade elevations at cross sections every 100 Ft and opened manholes and inlets for determining invert elevations, pipe size and material. For precise depiction of Metro Mover supporting columns and vertical clearance variation we used 3D Laser Scanning. Metro - Mover vertical clearance varied from 20 ft to 37 ft along our project. Provided digital survey and 3D modeling and DTM. All work was performed in compliance with WASD standards for Topographic Surveys and Standards of Practice established by the Board of Land Surveyors and Mappers in applicable provisions of Chapter 5J-17, Florida Statutes.

Seminole Tribes of Florida (STOF) / Brighton Reserve Pump Stations Boundary Surveys and As-Builts:

Mr. Jorge was a lead surveyors in charge of supervising field data collection for this project. Project consisted in performing Boundary Surveys for various (nine) Pump Stations located in Okeechobee County, FL in the STOF Brighton Reserve. The STOF lack records for its sanitary sewage system and we prepared the surveys that included georeferencing, topographic features with elevations at 10-Ft intervals and detailed depiction of electrical panel and other components.

7

AVAILABLE EQUIPMENT



LAND SURVEY EQUIPMENT

- ▶ Topcon GM Series TS
- ▶ Carlson Surveyor 2 w/ Surve CE Data Collector
- ▶ Topcon DS 205 Robotic TS
- ▶ Topcon Hyper RS GNSS Receiver w/ Trimble Ranger SurvCE Software
- ▶ Carlson BRX5 GNSS Receiver
- ▶ (2) Carlson Acher Mini2 w/ SurveCE
- ▶ Getac TG 800 w/ SurvePC Data Collector
- ▶ Trimble TS3 Data Collector Trimble Access
- ▶ (2) Sokkia Geometric Level
- ▶ (2) Topcon RT-B Geometric Level
- ▶ Spectra Precision SP80 GNSS Receiver
- ▶ Leica GNS18 GNSS Receiver w/ Leica GS20 Data Collector
- ▶ Leica RTC Scanner
- ▶ (2) RD 8000
- ▶ GPR
- ▶ Vacuum Excavator Equipment
- ▶ Vacuum Truck
- ▶ AutoCAD Civil 3D 2020 Subscription
- ▶ ESRI ArcGIS ArcMap 10.6.1
- ▶ Revit 2020 Subscription
- ▶ FME
- ▶ Leica Cyclone
- ▶ Agisoft
- ▶ Erdas LPS
- ▶ Autodesk ReCAP
- ▶ (2) DJI Phantom 4 Pro
- ▶ DJI M600 PRO W/Lidar
- ▶ DJI Phantom 4 RTK
- ▶ DJI Mini

8

PROFESSIONAL LICENSES AND CERTIFICATIONS

**State of Florida
Department of State**

I certify from the records of this office that BELLO AND BELLO LAND SURVEYING CORPORATION is a corporation organized under the laws of the State of Florida, filed on November 5, 2002, effective November 4, 2002.

The document number of this corporation is P02000118395.

I further certify that said corporation has paid all fees due this office through December 31, 2023, that its most recent annual report/uniform business report was filed on March 20, 2023, and that its status is active.


I further certify that said corporation has not filed Articles of Dissolution.

Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Twentieth day of March, 2023



[Signature]
Secretary of State

Tracking Number: 6536625409CC
To authenticate this certificate, visit the following disclaimer link number, and then follow the instructions displayed.
<https://services.sos.fl.gov/Filings/Certificates/CertificatesCertificationAuthentication>


 Florida Department of Agriculture and Consumer Services
 Division of Consumer Services
 Board of Professional Surveyors and Mappers
 2005 Apalachee Pkwy Tallahassee, Florida 32399-6500


License No.: **LS6169**
Expiration Date February 28, 2025

Professional Surveyor and Mapper License
Under the provisions of Chapter 472, Florida Statutes

ODALYS C BELLO-IZNAGA
12230 SW 131ST AVE STE 201
MIAMI, FL 33186-6402

[Signature]
WILTON SIMPSON
COMMISSIONER OF AGRICULTURE

This is to certify that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statutes.


 Florida Department of Agriculture and Consumer Services
 Division of Consumer Services
 Board of Professional Surveyors and Mappers
 2005 Apalachee Pkwy Tallahassee, Florida 32399-6500

License No.: **LS6283**
Expiration Date February 28, 2025

Professional Surveyor and Mapper License
Under the provisions of Chapter 472, Florida Statutes

RICARDO J JORGE N/A
13851 SW 9TH TER
MIAMI, FL 33184-3016

[Signature]
WILTON SIMPSON
COMMISSIONER OF AGRICULTURE

This is to certify that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statutes.

Certificate of Graduation

awarded to
Marcia Falcon Estevez

who has satisfactorily completed the prescribed course of study in AutoCAD computer aided drafting and by proficiency in scholarship and integrity of character is entitled to this diploma.

presented by
[Signature]
Frank Alonso
Florida State Instructor Certification # 62414

at Miami, Florida on December 15th, 2017

Certificate of Completion

ERDAS® Education Services Hereby Certifies That

David Barbaro Toyos Barroso
of
Imagem

Has Successfully Completed

IMAGINE Virtual GIS®

[Signatures]
ERDAS
ALBERT HILL, MIAMI, FL 33136



*American Society for Photogrammetry
and Remote Sensing*

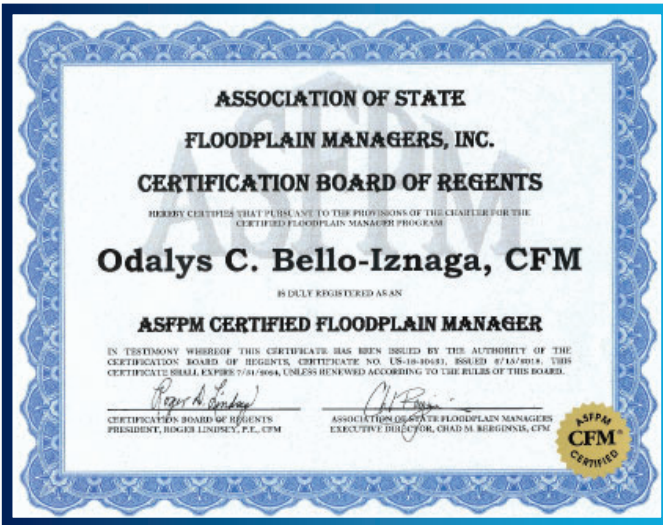
Certifies that

Odalys Bello

completed 4 hours of Professional Development in

Preparation for ASPRS Certification - General Knowledge
March 30, 2020

 **asprs** THE REMOTE SENSING & GEOSPATIAL INFORMATION SOCIETY



9 REQUIRED FORMS AND AFFIDAVITS



2023 FLORIDA PROFIT CORPORATION ANNUAL REPORT

DOCUMENT# P02000118395

Entity Name: BELLO AND BELLO LAND SURVEYING CORPORATION

Current Principal Place of Business:

12230 S.W. 131 AVENUE
SUITE 201
MIAMI, FL 33186

Current Mailing Address:

12230 S.W. 131 AVENUE
SUITE 201
MIAMI, FL 33186

FEI Number: 13-4219102

Certificate of Status Desired: Yes

Name and Address of Current Registered Agent:

BELLO, KENIA
12230 S.W. 131 AVENUE
STE 201
MIAMI, FL 33186 US

The above named entity submits this statement for the purpose of changing its registered office or registered agent, or both, in the State of Florida.

SIGNATURE: _____

Electronic Signature of Registered Agent

Date

Officer/Director Detail :

Title P
Name BELLO, ODALYS C
Address 15870 S.W. 140TH STREET
City-State-Zip: MIAMI FL 33196

Title SECRETARY
Name BELLO, KENIA
Address 6822 S.W. 114TH AVENUE
City-State-Zip: MIAMI FL 33173

I hereby certify that the information indicated on this report or supplemental report is true and accurate and that my electronic signature shall have the same legal effect as if made under oath; that I am an officer or director of the corporation or the receiver or trustee empowered to execute this report as required by Chapter 607, Florida Statutes; and that my name appears above, or on an attachment with all other like empowered.

SIGNATURE: KENIA BELLO

SECRETARY

03/20/2023

Electronic Signature of Signing Officer/Director Detail

Date



Wilton Simpson
Commissioner



FIND A BUSINESS OR INDIVIDUAL License / Complaint Lookup

*AS MAINTAINED BY THE
DIVISION OF CONSUMER SERVICES

[A-Z Resource Guide](#)

[Business/Complaint
Lookup](#)

[Florida Do Not Call](#)

[File a Complaint](#)

[Consumer E-Newsletter](#)

[Check-A-Charity](#)

[Publications](#)

[Scams and Fraud](#)



Name	License (ex. LS9999)	Phone	City
BELLO AND BELLO LAND SURVI		3052519606	MIAMI
County	Program	<input type="checkbox"/> Limit results by Active status	
		<input type="button" value="SEARCH"/> <input type="button" value="CLEAR ALL"/>	

Records Found : 1

[File Complaint](#)

Search Results

Sort By	Filter By State,City	Display per page
NAME : A to Z	<Show All>	20

BELLO AND BELLO LAND SURVEYING CORPORATION					Complaints 0
12230 SW 131ST AVE STE 201, MIAMI, FL 33186-6402					Print
Phone 305-251-9606					
License Type	License#	Issued	Expires	Status	
Surveyor Business	LB7262	06/25/03	02/28/25	Active	
Surveyor of Record	LS6169	02/01/01	02/28/25	Active	



Florida Department of Agriculture and Consumer Services
 Division of Consumer Services
 Board of Professional Surveyors and Mappers
 2005 Apalachee Pkwy Tallahassee, Florida 32399-6500
 800HELPFLA(435-7352) or (850) 488-2221

March 4, 2023

ODALYS C BELLO-IZNAGA
 12230 SW 131ST AVE STE 201
 MIAMI, FL 33186-6402

Detach Here

SUBJECT: Professional Surveyor and Mapper License # LS6169

Your application / renewal as a professional surveyor and mapper as required by Chapter 472, Florida Statutes, has been received and processed.

The license appears below and is valid through February 28, 2025.

You are required to keep your information with the Board current. Please visit our website at www.800helpfla.com/psm to create your online account. If you have already created your online account, you can use the website to maintain your license. You can also find other valuable information on the website.

If you have any questions, please do not hesitate to call the Division of Consumer Services, Board of Professional Surveyors and Mappers at 800-435-7352 or 850-488-2221.



**Florida Department of Agriculture
 and Consumer Services
 Board of Professional Surveyors
 and Mappers**

LS6169

**Professional Surveyor and Mapper
 ODALYS C BELLO-IZNAGA**

IS LICENSED under the provisions of Ch. 472 FS
 Expiration date: February 28, 2025

Detach Here



Florida Department of Agriculture and Consumer Services
 Division of Consumer Services
 Board of Professional Surveyors and Mappers
 2005 Apalachee Pkwy Tallahassee, Florida 32399-6500

License No.: **LS6169**
 Expiration Date February 28, 2025

Professional Surveyor and Mapper License
 Under the provisions of Chapter 472, Florida Statutes

ODALYS C BELLO-IZNAGA
 12230 SW 131ST AVE STE 201
 MIAMI, FL 33186-6402



WILTON SIMPSON
 COMMISSIONER OF AGRICULTURE



Florida Department of Agriculture and Consumer Services
Division of Consumer Services
Board of Professional Surveyors and Mappers
2005 Apalachee Pkway Tallahassee, Florida 32399-6500

License No.: **LS6283**

Expiration Date February 28, 2025

Professional Surveyor and Mapper License

Under the provisions of Chapter 472, Florida Statutes

RICARDO J JORGE N/A
13851 SW 9TH TER
MIAMI, FL 33184-3016

WILTON SIMPSON
COMMISSIONER OF AGRICULTURE

This is to certify that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statutes.



THE CITY OF KEY WEST

Post Office Box 1409 Key West, FL 33041-1409 (305) 809-3866

ADDENDUM NO. 1

Professional Surveying Services RFQ 23-004

This addendum is issued as supplemental information to the bid package for clarification of certain matters of both a general and a technical nature. The referenced Request for Qualifications (RFQ) package is hereby amended in accordance with the following items:

Questions: Page 2 of the RFQ where states: Qualifications shall be limited to 20 double-sided pages, not including

A.3 Qualifications Criteria.

Does this mean section A.3 Qualifications Criteria is not part of the 20 double-sided pages? (We have various staff (resumes), and projects will exceed the 20-page limit)

In reference to the Tab Sections of the RFQ, are the tabs (dividers) included in the 20 double-sided pages? On page two, right after Section A.2 - the RFQ says, "Qualification packages shall be limited to 20 double-sided pages not including" is there supposed to be anything after the word included?

At the end of Section C.1, the RFQ says, "Total proposal length (not including required forms) will not exceed 20 double-sided (40 single) pages." Should firms follow the directions on this page limit section or the page limit information after Section A.2?

Answer: Page 2 should state and be followed: "Qualifications shall be limited to 20 double-sided pages or 40 single pages, not including required forms or tabs."

Questions: Page 4 of the RFQ Section C. Submission Detail: C.1 Response Information states Examples of five (5) traffic engineering projects. This is a Surveying RFQ. Are you looking for surveying projects or traffic engineering projects?

Section C.1 - "Response Information," says firms are to provide FDOT experience and examples for Traffic Engineering. Is this a typo in the RFQ, or should firms submit experience with FDOT and examples for Traffic Engineering?

Answer: Page 4 C.1 should read "Examples of five (5) survey projects specific to this RFQ, completed within past 5 years."

Also, under C1. Disregard the statement "Experience with Key West, Monroe County and Florida DOT District 6."

Question: Also, will you consider extending the Due date for this RFQ.

Answer: The Due Date is March 29, 2023

Question: There are three different outlines for the proposal preparation (A.2, C.1, and C.12); which should firms follow?

Answer: Please use A.2 outline on Page 1.

Question: In reference to the LOCAL VENDOR CERTIFICATION, we have an office in Key Largo and a Business Tax with Monroe County. Will this be ok to submit?

Answer: Yes, however: Page 5 C.7 License Requirements reads:

“The selected respondent will also be required to obtain and maintain a City of Key West Business Tax Receipt for the duration of the work.”

All Bidders shall acknowledge receipt and acceptance of this Addendum No. 1 with Attachment by submitting the addendum with their proposal. Proposals submitted without acknowledgement or without this Addendum may be considered non-responsive.



Signature



Name of Business

ANTI-KICKBACK AFFIDAVIT

STATE OF FLORIDA)
 : SS
COUNTY OF MONROE)
 Miami-Dade

I, the undersigned hereby duly sworn, depose and say that no portion of the sum herein bid will be paid to any employees of the City of Key West as a commission, kickback, reward or gift, directly or indirectly by me or any member of my firm or by an officer of the corporation.

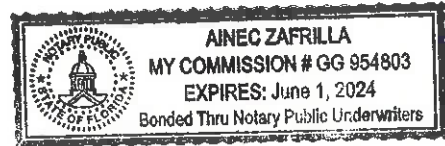
By: *[Signature]*
Odalys C Bello
President

Sworn and subscribed before me this

23 day of March, 2023.

[Signature]

NOTARY PUBLIC, State of Florida at Large

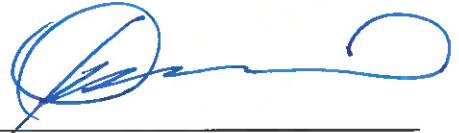


My Commission Expires: June 1; 2024

NON-COLLUSION AFFIDAVIT

STATE OF FLORIDA)
 : SS
COUNTY OF ~~MONROE~~ *Miami Dade*

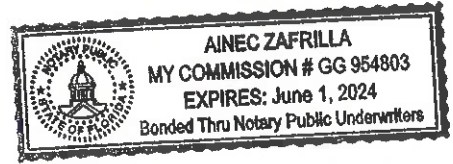
I, the undersigned hereby declares that the only persons or parties interested in this Request for Qualifications are those named herein, that this Request for Qualifications is, in all respects, fair and without fraud, that it is made without collusion with any official of the Owner, and that the Request for Qualifications is made without any connection or collusion with any person submitting another Request for Qualifications on this Contract.

By: 
Adalys C Bello
President

Sworn and subscribed before me this
23 day of March, 2023.


NOTARY PUBLIC, State of Florida at Large

My Commission Expires: June 1, 2024



**SWORN STATEMENT UNDER SECTION 287.133(3)(a)
FLORIDA STATUTES ON PUBLIC ENTITY CRIMES**

THIS FORM MUST BE SIGNED IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICE AUTHORIZED TO ADMINISTER OATHS.

1. This sworn statement is submitted with Bid, Bid or Contract No. RFQ # 23-004 for Professional Surveying Services.

2. This sworn statement is submitted by Bello and Bello Land Surveying Corp.
(Name of entity submitting sworn statement)
whose business address is 12230 SW 131 Avenue Ste 201
Miami FL 33186 and (if applicable) its Federal
Employer Identification Number (FEIN) is 13-421-9102 (If the entity has no FEIN,
include the Social Security Number of the individual signing this sworn statement.)

3. My name is Odalys C. Bello. and my relationship to
(Please print name of individual signing)
the entity named above is President.

4. I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or with the United States, including but not limited to, any Bid or contract for goods or services to be provided to any public entity or an agency or political subdivision of any other state or of the United States and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, material misrepresentation.

5. I understand that "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.

6. I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means
 1. A predecessor or successor of a person convicted of a public entity crime: or
 2. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

7. I understand that a "person" as defined in Paragraph 287.133(1)(8), Florida Statutes, means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter

into a binding contract and which Bids or applies to Bid on contracts for the provision of goods or services let by a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity.

8. Based on information and belief, the statement, which I have marked below, is true in relation to the entity submitting this sworn statement. (Please indicate which statement applies.)


Neither the entity submitting this sworn statement, nor any officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, nor any affiliate of the entity have been charged with and convicted of a public entity crime subsequent to July 1, 1989.

The entity submitting this sworn statement, or one or more of the officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989, AND (Please indicate which additional statement applies.)

There has been a proceeding concerning the conviction before a hearing of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer did not place the person or affiliate on the convicted vendor list. (Please attach a copy of the final order.)

The person or affiliate was placed on the convicted vendor list. There has been a subsequent proceeding before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer determined that it was in the public interest to remove the person or affiliate from the convicted vendor list. (Please attach a copy of the final order.)

The person or affiliate has not been put on the convicted vendor list. (Please describe any action taken by or pending with the Department of General Services.)



(Signature) Odalys C. Bello
President.

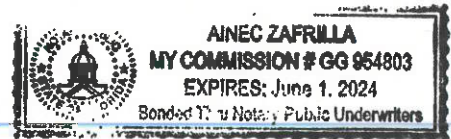
STATE OF Florida (Date)

COUNTY OF Miami-Dade

PERSONALLY APPEARED BEFORE ME, the undersigned authority,

Odalys C. Bello.

(Name of individual signing)



who, after first being sworn by me, affixed his/her signature in the space provided above on this 23 day of March, 2023.

My commission expires: June 1, 2024
NOTARY PUBLIC 

CITY OF KEY WEST INDEMNIFICATION FORM

CONTRACTOR agrees to protect, defend, indemnify, save and hold harmless The City of Key West, all its Departments, Agencies, Boards, Commissions, officers, City's Consultant, agents, servants and employees, including volunteers, from and against any and all claims, debts, demands, expense and liability arising out of injury or death to any person or the damage, loss of destruction of any property which may occur or in any way grow out of any act or omission of the CONTRACTOR, its SUBCONTRACTOR(S), its agents, servants, and employees, or any and all costs, expense and/or attorney fees incurred by the City as a result of any claim, demands, and/or causes of action except of those claims, demands, and/or causes of action arising out of the negligence of The City of Key West, all its Departments, Agencies, Boards, Commissions, officers, agents, servants and employees. The CONTRACTOR agrees to investigate, handle, respond to, provide defense for and defend any such claims, demand, or suit at its sole expense and agrees to bear all other costs and expenses related thereto, even if it (claims, etc.) is groundless, false or fraudulent. The City of Key West does not waive any of its sovereign immunity rights, including but not limited to, those expressed in Section 768.28, Florida Statutes. Nothing contained herein shall be construed to alter or waive the City's sovereign immunity under 768.28, Florida Statutes. CONTRACTOR understands and agrees that any and all liabilities regarding the use of any subcontractor for services related to this agreement shall be borne solely by the CONTRACTOR. The indemnification obligations under the Contract shall not be restricted in any way by any limitation on the amount or type of damages, compensation, or benefits payable by or for the CONTRACTOR under workers' compensation acts, disability benefits acts, or other employee benefits acts, and shall extend to and include any actions brought by or in the name of any employee of the CONTRACTOR or of any third party to whom CONTRACTOR may subcontract a part or all of the Work. Ten dollars of the consideration paid by the City is acknowledged by CONTRACTOR as separate, good and sufficient consideration for this indemnification.

This indemnification shall be interpreted to comply with Section 725.06 and 725.08, Florida Statutes.

These indemnifications shall survive the term of this agreement. In the event that any action or proceeding is brought against the City of Key West by reason of such claim or demand, CONTRACTOR shall, upon written notice from the City of Key West, resist and defend such action or proceeding by counsel satisfactory to the City of Key West.

The indemnification provided above shall obligate CONTRACTOR to defend at its own expense to and through appellate, supplemental or bankruptcy proceeding, or to provide for such defense, at the City of Key West's option, any and all claims of liability and all suits and actions of every name and description covered above which may be brought against the City of Key West whether performed by CONTRACTOR, or persons employed or utilized by CONTRACTOR. The CONTRACTOR'S obligation to indemnify, defend and pay for the defense of the CITY, or at the CITY'S option, to participate and associate with the CONTRACTOR in the defense and trial of any claim and any related settlement negotiations, shall be triggered immediately upon the CONTRACTOR'S receipt of the CITY'S notice of

claim for indemnification. The notice of claim for indemnification shall be deemed received if the CITY sends the notice in accordance with the formal notice mailing requirements set forth in this AGREEMENT.

The CONTRACTOR'S evaluation of liability or its inability to evaluate liability shall not excuse the CONTRACTOR'S duty to defend and indemnify the CITY under the provisions of this AGREEMENT. Only an adjudication or judgment, after the highest appeal is exhausted, specifically finding the CITY was solely negligent shall excuse performance of this provision by the CONTRACTOR.

The CONTRACTOR'S obligation under this provision shall not be limited in any way by the agreed upon Contract Price as shown in this agreement, or the CONTRACTOR's limit of or lack of sufficient insurance protection. This indemnification shall continue beyond the date of completion of the work.

COMPANY SEAL

CONTRACTOR:

Bello & Bello Land
Surveying Corp.

Address

12230 SW 131 Avenue
Ste 201 Miami FL 33186.

Signature



Odaly's C. Bello

Print Name

March 23, 2023

Date

President

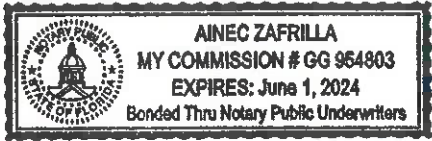
Title

NOTARY FOR THE CONTRACTOR

STATE OF Florida

COUNTY OF Miami-Dade

The foregoing instrument was acknowledged before me by means of [] physical presence, or [] online notarization, this 23 day of March, 2023, by Odalys C. Belto, authorized person of Bello and Bello Land Surveying Corp. on behalf of the Company.



[Handwritten Signature]
Signature of Notary Public-State of Florida
Ainec Zafilla
Name of Notary

Personally Known

OR Produced Identification _____

Type of Identification Produced _____

EQUAL BENEFITS FOR DOMESTIC PARTNERS AFFIDAVIT

STATE OF Florida)
COUNTY OF Miami-Dade : SS

Bello and Bello

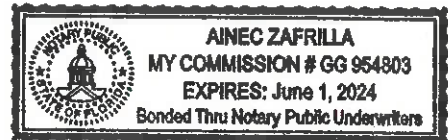
I, the undersigned hereby duly sworn, depose and say that the firm of Land Surveying Corp. provides benefits to domestic partners of its employees on the same basis as it provides benefits to employees' spouses per City of Key West Ordinance Sec. 2-799.

By: *[Signature]*
Odalyce Bello, President

Sworn and subscribed before me this
23 day of March, 2023.

NOTARY PUBLIC, State of Florida at Large


My Commission Expires: _____




CONE OF SILENCE AFFIDAVIT

STATE OF Florida)
 : SS
COUNTY OF Miami-Dade

I the undersigned hereby duly sworn depose and say that all owner(s), partners, officers, directors, employees and agents representing the firm of Bello and Belloland Surveying Corp. have read and understand the limitations and procedures regarding communications concerning City of Key West issued competitive solicitations pursuant to City of Key West Ordinance Section 2-773 Cone of Silence (attached).


Odalys C. Bello, President
(signature)
March 23, 2023
(date)

Sworn and subscribed before me this
23 Day of March, 2023.

NOTARY PUBLIC, State of Florida at Large
My Commission Expires: June 1, 2024.

2902
6.97

Thank You!

