

*CITY OF POMPANO BEACH,
FLORIDA*

PROFESSIONAL CONSULTING AGREEMENT

with

COLLIERS ENGINEERING & DESIGN, INC. DBA MASER CONSULTING



**CONTINUING CONTRACT FOR SURVEYING & MAPPING
SERVICES FOR VARIOUS CITY PROJECTS E-21-20**

**CONTRACT FOR
PROFESSIONAL CONSULTING SERVICES**

This Contract is made on _____, by and between the CITY OF POMPANO BEACH, a municipal corporation of the State of Florida, hereinafter referred to as "CITY," and COLLIERS ENGINEERING & DESIGN, INC. a New Jersey corporation, authorized to do business in the State of Florida, hereinafter referred to as the "Consultant".

WHEREAS, the Consultant is able and prepared to provide such services as City requires under the terms and conditions set forth herein; and

WHEREAS, the City Commission has approved the recommendation that Consultant be employed by the City and authorized the negotiation of contractual terms.

NOW, THEREFORE, in consideration of the mutual promises herein, the City and the Consultant agree as follows:

ARTICLE 1 – SERVICES/CONSULTANT AND CITY REPRESENTATIVES

The Consultant's responsibility under this Contract is to provide professional consulting services as more specifically set forth in RLI No. E-21-20 attached hereto as Exhibit A and incorporated herein in its entirety.

The Consultant's representative shall be Kevin L. Haney

The CITY's representative shall be City Engineer or designee,

ARTICLE 2 – TERM

The CONSULTANT shall adhere to the schedule given in each work authorization after receiving the "Notice to Proceed."

Reports and other items shall be delivered or completed in accordance with the detailed schedule set forth in individual Work Authorizations as negotiated.

The Term of this Contract shall be for an initial period of five (5) years from the date of execution by both the City and the Consultant.

ARTICLE 3 – PAYMENTS TO CONSULTANT

A. City agrees to pay Consultant in consideration for its services described herein. It is the intention of the parties hereby to ensure that unless otherwise directed by the City in writing, Consultant will continue to provide services as specified in Exhibit A for the term of this Contract.

B. Price Formula. City agrees to pay Consultant as negotiated on a Work Authorization basis. Each work authorization shall specifically identify the scope of the work to be performed and the fees for said services. As set forth in RLI No. E-21-20, professional services under this contract will be restricted to those required for any project for which construction costs will not exceed four million dollars (\$4,000,000.00), and for any study activity fees shall not exceed five hundred thousand dollars (\$500,000.00).

C. Fee Determination. Each individual Work Authorization may be negotiated for fees to be earned by Time and Materials with a Not to Exceed Amount, Lump Sum, or a combination of both methods for subtasks contained therein. The total amount to be paid by the City under a Work Authorization shall not exceed specified amounts for all services and materials including “out of pocket” expenses as specified in Paragraph E below and also including any approved subcontracts unless otherwise agreed in writing by both parties. The Consultant shall notify the City’s Representative in writing when 90% of the “not to exceed amount” for the total Work Authorization has been reached. The Consultant will bill the City on a monthly basis, or as otherwise provided. Time and Materials billing will be made at the amounts set forth in Exhibit B for services rendered toward the completion of the Scope of Work. Where incremental billings for partially completed items are permitted, the total billings shall not exceed the estimated percentage of completion as of the billing date. It is acknowledged and agreed to by the Consultant that the dollar limitation set forth in this section is a limitation upon and describes the maximum extent of City’s obligation to pay Consultant, but does not include a limitation upon Consultant’s duty to perform all services set forth in Exhibit A for the total compensation in the amount or less than the guaranteed maximum stated above.

D. Invoices received by the City from the Consultant pursuant to this Contract will be reviewed and approved in writing by the City’s Representative, indicating that services have been rendered in conformity with the Contract, and then will be sent to the City’s Finance Department for payment. All invoices shall contain a detailed breakdown of the services provided for which payment is being requested. In addition to detailed invoices, upon request of the City’s representative, Consultant shall provide City with detailed periodic Status Reports on the project. All invoice payments by City shall be made after the Work has been verified and completed. Unless disputed by City as provided herein, upon City’s receipt of a Proper Invoice as defined in §218.72, Florida Statutes, as amended, City shall forward Consultant payment for work performed within forty five (45) days for all goods and services provided.

City may temporarily remove for review any disputed amount, by line item, from an invoice and shall timely provide Consultant written notification of any such disputed charge. Consultant shall provide clarification and a satisfactory explanation to City, along with revised copies of all such documents if inaccuracies or errors are discovered, within ten (10) days of receipt of City’s notice of the disputed amount

In the event City has a claim against Consultant for Work performed hereunder which has not been timely remedied in accordance with the provisions of this Article 3, City may withhold payment for the contested amount, in whole or in part, to protect itself from loss on account of defective Work, claims filed or reasonable evidence indicating probable filing of claims by other parties against Consultant, and/or Consultant's failure to make proper payments to subcontractors or vendors for material or labor. When the reason(s) for withholding payment are removed or resolved in a manner satisfactory to City, payment shall be made.

E. "Out-of-pocket" expenses shall be reimbursed up to an amount not to exceed amounts included in each Work Authorization. All requests for payment of "out-of-pocket" expenses eligible for reimbursement under the terms of this Contract shall include copies of paid receipts, invoices, or other documentation acceptable to the City's Representative and to the Finance Department. Such documentation shall be sufficient to establish that the expense was actually incurred and necessary in the performance of the Scope of Work described in a Work Authorization and this Contract. All out-of-pocket, reimbursables and expenses shall be billed at actual amount paid by Consultant, with no markup.

F. Final Invoice. In order for both parties herein to close their books and records, the Consultant will clearly state "Final Invoice" on the Consultant's final/last billing to the City. This final invoice shall also certify that all services provided by Consultant have been properly performed and all charges and costs have been invoiced to the City. Because this account will thereupon be closed, any and other further charges not properly included on this final invoice are waived by the Consultant.

ARTICLE 4 – TRUTH-IN-NEGOTIATION CERTIFICATE

Signature of this Contract by the Consultant shall also act as the execution of a truth in negotiation certificate, certifying that the wage rates, overhead charges, and other costs used to determine the compensation provided for this Contract are accurate, complete and current as of the date of the Contract and no higher than those charged the Consultant's most favored customer for the same or substantially similar service. Should the City determine that said rates and costs were significantly increased due to incomplete, non-current or inaccurate representation, then said rates shall be adjusted accordingly.

ARTICLE 5 – TERMINATION

City shall have the right to terminate this Contract, in whole or in part, for convenience, cause, default or negligence on Consultant's part, upon ten (10) business days advance written notice to Consultant. Such Notice of Termination may include City's proposed Transition Plan and timeline for terminating the Work, requests for certain Work product documents and materials, and other provisions regarding winding down concerns and activities.

If there is any material breach or default in Consultant's performance of any covenant or obligation hereunder which has not been remedied within ten (10) business days after City's

written Notice of Termination, City, in its sole discretion, may terminate this Contract immediately and Consultant shall not be entitled to receive further payment for services rendered from the effective date of the Notice of Termination.

In the event of termination, City shall compensate Consultant for all authorized Work satisfactorily performed through the termination date under the payment terms set forth in Article 3 above and all Work product documents and materials shall be delivered to City within ten (10) business days from the Notice of Termination. If any Work hereunder is in progress but not completed as of the date of the termination, then upon City's written approval, this Contract may be extended until said Work is completed and accepted by City.

This Contract may be cancelled by the Consultant, upon thirty (30) days prior written notice to the City's Representative, in the event of substantial failure by the City to perform in accordance with the terms of this Contract through no fault of the Consultant.

ARTICLE 6 – PERSONNEL

The Consultant is, and shall be, in the performance of all work services and activities under this Contract, an independent Contractor, and not an employee, agent or servant of the City. All persons engaged in any of the work or services performed pursuant to this Contract shall at all times, and in all places, be subject to the Consultant's sole direction, supervision, and control and shall not in any manner be deemed to be employees of the City. The Consultant shall exercise control over the means and manner in which it and its employees perform the work. This contract does not create a partnership or joint venture between the parties.

The Consultant represents that it has, or will secure at its own expense, all necessary personnel required to perform the services under this Contract. Such personnel shall not be employees of or have any contractual relationship with the City, nor shall such personnel be subject to any withholding for tax, Social Security or other purposes by the City, nor be entitled to any benefits of the City including, but not limited to, sick leave, pension benefits, vacation, medical benefits, life insurance, workers or unemployment compensation benefits, or the like from the City.

All of the services required hereunder shall be performed by the Consultant or under its supervision, and all personnel engaged in performing the services shall be fully qualified and, if required, authorized or permitted under state and local law to perform such services.

Any changes or substitutions in the Consultant's key personnel, as may be listed in Article 1, must be made known to the City's Representative at the time substitution becomes effective.

The Consultant warrants that all services shall be performed by skilled and competent personnel to the degree exercised by consultants performing the same or similar services in the same location at the time the services are provided.

ARTICLE 7 – SUBCONTRACTING

Consultant may subcontract any services or work to be provided to City with the prior written approval of the City's Representative. The City reserves the right to accept the use of a subcontractor or to reject the selection of a particular subcontractor and to inspect all facilities of any subcontractors in order to make determination as to the capability of the subcontractor to perform properly under this Contract. The City's acceptance of a subcontractor shall not be unreasonably withheld. The Consultant is encouraged to seek small business enterprises and to utilize businesses that are physically located in the City of Pompano Beach with a current Business Tax Receipt for participation in its subcontracting opportunities.

ARTICLE 8 – FEDERAL AND STATE TAX

The City is exempt from payment of Florida State Sales and Use Taxes. The City will provide the Consultant with the current state issued exemption certificate. The Consultant shall not be exempted from paying sales tax to its suppliers for materials used to fulfill contractual obligations with the City, nor is the Consultant authorized to use the City's Tax Exemption Number in securing such materials.

The Consultant shall be responsible for payment of its own and its share of its employees' payroll, payroll taxes and benefits with respect to this Contract

ARTICLE 9 – AVAILABILITY OF FUNDS

The City's performance and obligation to pay under this contract is contingent upon appropriation for various projects, tasks and other professional services by the City Commission.

ARTICLE 10 - INSURANCE REQUIREMENTS

The Consultant shall not commence work under this Contract until it has obtained all insurance required under this paragraph and such insurance has been approved by the Risk Manager of the City, nor shall the Consultant allow any Subcontractor to commence work on its sub-contract until the aforementioned approval is obtained.

CERTIFICATE OF INSURANCE, reflecting evidence of the required insurance, shall be filed with the Risk Manager prior to the commencement of the work. The Certificate shall contain a provision that coverage afforded under these policies will not be cancelled, will not expire and will not be materially modified until at least thirty (30) days prior written notice has been given to the City. Policies shall be issued by companies authorized to conduct business under the laws of the State of Florida and shall have adequate Policyholders and Financial ratings in the latest ratings of A. M. Best and be part of the **Florida Insurance Guarantee Association Act**.

Insurance shall be in force until all work required to be performed under the terms of the Contract is satisfactorily completed as evidenced by the formal acceptance by the City. In the event the Insurance Certificate provided indicates that the insurance shall terminate and lapse during the period of this Contract, the Consultant shall furnish, at least ten (10) days prior to the

expiration of the date of such insurance, a renewed Certificate of Insurance as proof that equal and like coverage for the balance of the period of the Contract and extension thereunder is in effect. The Consultant shall not continue to work pursuant to this Contract unless all required insurance remains in full force and effect.

Limits of Liability for required insurance are shown in Exhibit C.

The City of Pompano Beach must be named as an additional insured for the Automobile and Commercial General Liability Coverage.

For Professional Liability, if coverage is provided on a claims made basis, then coverage must be continued for the duration of this Contract and for not less than one (1) year thereafter, or in lieu of continuation, provide an "extended reporting clause" for one (1) year.

Consultant shall notify the City Risk Manager in writing within thirty (30) days of any claims filed or made against the Professional Liability Insurance Policy.

For Workers' Compensation Insurance, coverage shall be maintained during the life of this Contract to comply with statutory limits for all employees, and in the case of any work sublet, the Consultant shall require any Subcontractors similarly to provide Workers' Compensation Insurance for all the latter's employees unless such employees are covered by the protection afforded by the Consultant. The Consultant and his Subcontractors shall maintain during the life of this Contract Employer Liability Insurance.

ARTICLE 11 – INDEMNIFICATION

A. Consultant shall at all times indemnify, hold harmless the City, its officials, employees, volunteers and other authorized agents from and against any and all claims, demands, suit, damages, attorneys' fees, fines, losses, penalties, defense costs or liabilities suffered by the City to the extent caused by any negligent act, omission, breach, recklessness or misconduct of Consultant and/or any of its agents, officers, or employees hereunder, including any inaccuracy in or breach of any of the representations, warranties or covenants made by the Consultant, its agents, officers and/or employees, in the performance of services of this contract. To the extent considered necessary by City, any sums due Consultant hereunder may be retained by City until all of City's claims for indemnification hereunder have been settled or otherwise resolved, and any amount withheld shall not be subject to payment or interest by City.

B. Consultant acknowledges and agrees that City would not enter into this Contract without this indemnification of City by Consultant. The parties agree that one percent (1%) of the total compensation paid to Consultant hereunder shall constitute specific consideration to Consultant for the indemnification provided under this Article and these provisions shall survive expiration or early termination of this Contract.

C. Nothing in this Agreement shall constitute a waiver by the City of its sovereign immunity limits as set forth in section 768.28, Florida Statutes. Nothing herein shall be construed as consent from either party to be sued by third parties.

ARTICLE 12 – SUCCESSORS AND ASSIGNS

The City and the Consultant each binds itself and its partners, successors, executors, administrators and assigns to the other party of this Contract and to the partners, successors, executors, administrators and assigns of such other party, in respect to all covenants of this Contract. Except as above, neither the City nor the Consultant shall assign, sublet, encumber, convey or transfer its interest in this Contract without prior written consent of the other. Nothing herein shall be construed as creating any personal liability on the part of any officer or agent of the City, which may be a party hereto, nor shall it be construed as giving any rights or benefits hereunder to anyone other than the City and the Consultant.

ARTICLE 13 – REMEDIES

The laws of the State of Florida shall govern this Contract. Any and all legal action between the parties arising out of the Contract will be held in Broward County. No remedy herein conferred upon any party is intended to be exclusive of any other remedy, and each and every such remedy shall be cumulative and shall be in addition to every other remedy given hereunder or now or hereafter existing at law or in equity or by statute or otherwise. No single or partial exercise by any party of any right, power or remedy hereunder shall preclude any other or further exercise thereof.

ARTICLE 14 – CONFLICT OF INTEREST

The Consultant represents that it has no interest and shall acquire no interest, either direct or indirect, which would conflict in any manner with the performance of services required hereunder, as provided for in the Code of Ethics for Public Officers and Employees (Chapter 112, Part III, Florida Statutes). The Consultant further represents that no person having any interest shall be employed for said performance.

The Consultant shall promptly notify the City's representative, in writing, by certified mail, of a potential conflict(s) of interest for any prospective business association, interest or other circumstance, which may influence or appear to influence the Consultant's judgment or quality of services being provided hereunder. Such written notification shall identify the prospective business association, interest or circumstance, the nature of work that the Consultant may undertake and request an opinion of the City as to whether the association, interest or circumstance would, in the opinion of the City, constitute a conflict of interest if entered into by the Consultant. The City agrees to notify the Consultant of its opinion by certified mail within thirty (30) days of receipt of notice by the Consultant. If, in the opinion of the City, the prospective business association, interest, or circumstance would not constitute a conflict of interest by the Consultant, the City shall so state in the notice and the Consultant shall at its option, enter into said association, interest or circumstance and it shall be deemed not a conflict of interest with respect to services provided to the City by the Consultant under the terms of this Contract.

ARTICLE 15 – EXCUSABLE DELAYS

The Consultant shall not be considered in default by reason of any failure in performance if such failure arises out of causes reasonably beyond the control of the Consultant or its subcontractors and without their fault or negligence. Such causes include, but are not limited to, acts of God; natural or public health emergencies; freight embargoes; and abnormally severe and unusual weather conditions.

Upon the Consultant's request, the City shall consider the facts and extent of any failure to perform the work and, if the Consultant's failure to perform was without it, or its subcontractors fault or negligence, the Contract Schedule and/or any other affected provision of this Contract shall be revised accordingly; subject to the City's rights to change, terminate, or stop any or all of the work at any time.

ARTICLE 16 – DEBT

The Consultant shall not pledge the City's credit or attempt to make it a guarantor of payment or surety for any contract, debt, obligation, judgment, lien or any form of indebtedness. The Consultant further warrants and represents that it has no obligation or indebtedness that would impair its ability to fulfill the terms of this Contract.

ARTICLE 17 – DISCLOSURE AND OWNERSHIP OF DOCUMENTS

The Consultant shall deliver to the City's representatives for approval and acceptance, and before being eligible for final payment of any amounts due, all documents and materials prepared by and for the City under this Contract.

All written and oral information not in the public domain or not previously known, and all information and data obtained, developed, or supplied by the City or at its expense will be kept confidential by the Consultant and will not be disclosed to any other party, directly or indirectly, without the City's prior written consent unless required by a lawful order. All drawings, maps, sketches, programs, data base, reports and other data developed, or purchased, under this Contract for or at the City's expense shall be and remain the City's property and may be reproduced and reused at the discretion of the City.

A. The City of Pompano Beach is a public agency subject to Chapter 119, Florida Statutes. The Consultant shall comply with Florida's Public Records Law, as amended. Specifically, the Consultant shall:

1. Keep and maintain public records required by the City in order to perform the service.

2. Upon request from the City's custodian of public records, provide the City with a copy of requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes or as otherwise provided by law.

3. Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of the contract if the Consultant does not transfer the records to the City.

4. Upon completion of the contract, transfer, at no cost to the City, all public records in possession of the Consultant, or keep and maintain public records required by the City to perform the service. If the Consultant transfers all public records to the City upon completion of the contract, the Consultant shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the Consultant keeps and maintains public records upon completion of the contract, the Consultant shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the City, upon request from the City's custodian of public records in a format that is compatible with the information technology systems of the City.

B. Failure of the Consultant to provide the above described public records to the City within a reasonable time may subject Consultant to penalties under 119.10, Florida Statutes, as amended.

PUBLIC RECORDS CUSTODIAN

IF THE CONSULTANT HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONSULTANT'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:

**CITY CLERK
100 W. Atlantic Blvd., Suite 253
Pompano Beach, Florida 33060
(954) 786-4611
RecordsCustodian@copbfl.com**

All covenants, agreements, representations and warranties made herein, or otherwise made in writing by any party pursuant hereto, including but not limited to any representations made herein relating to disclosure or ownership of documents, shall survive the execution and delivery of this Contract and the consummation of the transactions contemplated thereby.

ARTICLE 18 – CONTINGENT FEES

The Consultant warrants that it has not employed or retained any company or person, other than a bona fide employee working solely for the Consultant to solicit or secure this Contract and that it has not paid or agreed to pay any person, company, corporation, individual, or firm, other than a bona fide employee working solely for the Consultant, any fee, commission, percentage, gift, or any other consideration contingent upon or resulting from the award or making of this Contract. Violation of this Article shall constitute a forfeiture of this Contract by Consultant.

ARTICLE 19 – ACCESS AND AUDITS

The Consultant shall maintain adequate records to justify all charges, expenses, and cost incurred in estimating and performing the work for at least three (3) years after completion of this Contract. The City shall have access to such books, records and documents as required in this section for the purpose of inspection or audit during normal business hours, at the Consultant's place of business.

ARTICLE 20 – NONDISCRIMINATION

The Consultant warrants and represents that all of its employees are treated equally during employment without regard to race, color, religion, disability, sex, age, national origin, ancestry, marital status and sexual orientation.

ARTICLE 21 – INTERPRETATION

The language of this Contract has been agreed to by both parties to express their mutual intent and no rule of strict construction shall be applied to either party hereto. The headings are for reference purposes only and shall not affect in any way the meaning or interpretation of this Contract. All personal pronouns used in this Contract shall include the other gender, and the singular, the plural, and vice versa, unless the context otherwise requires.

ARTICLE 22 – AUTHORITY TO PRACTICE

The Consultant hereby represents and warrants that it has and will continue to maintain all licenses and approvals required conducting its business, and that it will at all times conduct its business activities in a reputable manner. Proof of such licenses and approvals shall be submitted to the City's representative upon request.

ARTICLE 23 – SEVERABILITY

If any term or provision of this Contract, or the application thereof to any person or circumstances shall, to any extent be held invalid or unenforceable, to remainder of this Contract, or the application of such terms or provision, to persons or circumstances other than those as to which it is held invalid or unenforceable, shall not be affected, and every other term and provision of this Contract shall be deemed valid and enforceable to the extent permitted by law.

ARTICLE 24 – ENTIRETY OF CONTRACTUAL AGREEMENT

The City and the Consultant agree that this Contract, together with the Exhibits hereto, sets forth the entire agreement between the parties, and that there are no promises or understandings other than those stated herein. It is further agreed that no modification, amendment or alteration in the terms or conditions contained herein shall be effective unless contained in a written document executed with the same formality and off equal dignity herewith. None of the provisions, terms and conditions contained in this Contract may be added to, modified, superseded or otherwise altered, except by written instrument executed by the parties hereto in accordance with Article 25 – Modification of Work. In the event of any conflict or inconsistency between this Contract and the provisions in the incorporated Exhibits, the terms of this Contract shall supersede and prevail over the terms in the Exhibits.

ARTICLE 25 – MODIFICATION OF SCOPE OF WORK

The City reserves the right to make changes in the Scope of Work, including alterations, reductions therein or additions thereto. Upon receipt by the Consultant of the City’s notification of a contemplated change, the Consultant shall, in writing: (1) provide a detailed estimate for the increase or decrease in cost due to the contemplated change; (2) notify the City of any estimated change in the completion date; and (3) advise the City if the contemplated change shall affect the Consultant’s ability to meet the completion dates or schedules of this Contract.

If the City so instructs in writing, the Consultant shall suspend work on that portion of the Scope of Work affected by a contemplated change, pending the City’s decision to proceed with the change.

If the City elects to make the change, the City shall initiate a Work Authorization Amendment and the Consultant shall not commence work on any such change until such written amendment is signed by the Consultant and the City Manager, and if such amendment is in excess of \$75,000, it must also first be approved by the City Commission and signed by the appropriate City Official authorized by the City Commission

The City shall not be liable for payment of any additional or modified work, which is not authorized in the manner provided for by this Article.

ARTICLE 26 – NOTICE

All notices required in this Contract shall be sent by certified mail, return receipt requested, to the following:

FOR CITY:

City Manager
City of Pompano Beach
Post Office Drawer 1300
Pompano Beach, Florida 33061

FOR CONSULTANT:

Colliers Engineering & Design, Inc,
331 Newman Springs Rd
Suite 203
Red Bank, NJ 07701

ARTICLE 27 – OWNERSHIP OF DOCUMENTS

All finished or unfinished documents, data, reports, studies, surveys, drawings, maps, models and photographs prepared or provided by the Consultant in connection with this Contract shall become property of the City, whether the project for which they are made is completed or not, and shall be delivered by Consultant to City within ten (10) days of notice of termination. If applicable, City may withhold any payments then due to Consultant until Consultant complies with the provisions of this section.

ARTICLE 28 – PROMOTING PROJECT OBJECTIVES

Consultant, its employees, subcontractors, and agents shall refrain from acting adverse to the City’s interest in promoting the goals and objectives of the projects. Consultant shall take all reasonable measures necessary to effectuate these assurances. In the event Consultant determines it is unable to meet or promote the goals and objectives of the projects, it shall immediately notify the City and the City, may then in its discretion, terminate this Contract.

ARTICLE 29 – PUBLIC ENTITY CRIMES ACT

As of the full execution of this Contract, Consultant certifies that in accordance with §287.133, Florida Statutes, it is not on the Convicted Vendors List maintained by the State of Florida, Department of General Services. If Consultant is subsequently listed on the Convicted Vendors List during the term of this Contract, Consultant agrees it shall immediately provide City written notice of such designation in accordance with Article 26 above.

ARTICLE 30 – GOVERNING LAW

This Contract must be interpreted and construed in accordance with and governed by the laws of the State of Florida. The exclusive venue for any lawsuit arising from, related to, or in connection with this Agreement will be in the state courts of the Seventeenth Judicial Circuit in and for Broward County, Florida. If any claim arising from, related to, or in connection with this Agreement must be litigated in federal court, the exclusive venue for any such lawsuit will be in the United States District Court or United States Bankruptcy Court for the Southern District of Florida. BY ENTERING INTO THIS AGREEMENT, THE PARTIES HEREBY EXPRESSLY WAIVE ANY RIGHTS EITHER PARTY MAY HAVE TO A TRIAL BY JURY OF ANY CIVIL LITIGATION RELATED TO THIS AGREEMENT.

ARTICLE 31 - BINDING EFFECT

The benefits and obligations imposed pursuant to this Contract shall be binding and enforceable by and against the parties hereto.

THE REMAINDER OF THE PAGE IS INTENTIONALLY LEFT BLANK

“CITY”

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed the day and year hereinabove written.

Attest:

CITY OF POMPANO BEACH

ASCELETA HAMMOND, CITY CLERK

By: _____
REX HARDIN, MAYOR

(SEAL)

By: _____
GREGORY P. HARRISON, CITY MANAGER

APPROVED AS TO FORM:

MARK E. BERMAN, CITY ATTORNEY

"CONSULTANT"

COLLIERS ENGINEERING & DESIGN, INC.

Witnesses:

[Signature]

Signature

Eugenio Palomo

Name Typed, Printed or Stamped

[Signature]

Signature

Ivan Cely

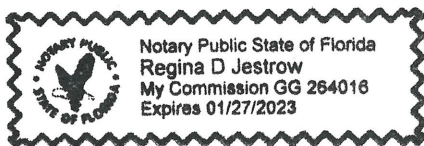
Name Type, Printed or Stamped

By: [Signature]
Leonardo E. Ponzio, Executive Vice President

STATE OF FLORIDA
COUNTY OF MIAMI-DADE

The foregoing instrument was acknowledged before me, by means of physical presence or online notarization, this 23rd day of March, 2021, by Leonardo E. Ponzio, as Executive Vice President of COLLIERS ENGINEERING & DESIGN, INC. a New Jersey corporation, authorized to do business in Florida, on behalf of the corporation. He is personally known to me or who has produced _____ (type of identification) as identification.

NOTARY'S SEAL:



[Signature]
NOTARY PUBLIC, STATE OF Florida

Regina Jestrow
(Name of Acknowledger Typed, Printed or Stamped)

GG 264016
Commission Number



Florida's Warmest Welcome

**CITY OF POMPANO BEACH
REQUEST FOR LETTERS OF INTEREST
E-21-20**

**CONTINUING CONTRACT FOR PROFESSIONAL
SURVEYING AND MAPPING SERVICES**

**RLI OPENING: August 3, 2020 2:00 P.M.
VIRTUAL ZOOM MEETING**

July 2, 2020

CITY OF POMPANO BEACH, FLORIDA
REQUEST FOR LETTERS OF INTEREST
E-21-20

CONTINUING CONTRACT FOR PROFESSIONAL SURVEYING AND MAPPING SERVICES

Pursuant to Florida Statutes Chapter 287.055 "Consultants' Competitive Negotiation Act" the City of Pompano Beach and the Pompano Beach Community Redevelopment Association (CRA) invite professional firms to submit qualifications and experience for consideration to provide professional surveying and mapping services to the City and the CRA on a continuing as-needed basis.

The City will receive sealed proposals until **2:00 p.m. (local), August 3, 2020**. Proposals must be submitted electronically through the eBid System on or before the due date/time stated above. Any proposal received after the due date and time specified, will not be considered. Any uncertainty regarding the time a proposal is received will be resolved against the Proposer.

Proposer must be registered on the City's eBid System in order to view the solicitation documents and respond to this solicitation. The complete solicitation document can be downloaded for free from the eBid System as a pdf at: <https://pompanobeachfl.ionwave.net>. The City is not responsible for the accuracy or completeness of any documentation the Proposer receives from any source other than from the eBid System. Proposer is solely responsible for downloading all required documents. A list of proposers will be read aloud in a public forum.

Introduction

The City of Pompano Beach is seeking qualified engineering firms to work on various projects for City and the CRA. The projects range in magnitude from small-scale to large or specialized designs.

The types of projects to be undertaken may include, but are not limited to:

- The City's approved Capital Improvement Plan (CIP) maybe found here: [Adopted Capital Improvement Plan FY 2020-2024](#)
- Roadway, Streetscape or Parking Lot projects.
- Water or Reuse Main projects.
- Gravity Sewer Main projects.
- Force Main projects.
- Lift station/pump station rehabilitation projects.
- Parks and Recreational Facilities.
- Seawall and dock construction and repair.
- Storm Water/Drainage Improvement projects
- Consultation for Emergency Water/Wastewater/Stormwater Repairs.
- Inspection Services for Emergency Water/Wastewater/Stormwater Repairs.
- Canal and lake dredging.
- Grant reimbursement, FAA and FDOT support and compliance.

- SRF support and Davis Bacon Wage Reporting requirements
- Support Services for Remediation
- Demolition Projects

Scope of Services

The City intends to issue multiple contracts to architectural firms to provide continuing professional services to the City and the CRA for various projects as-needed. Professional services under this contract will be restricted to those required for any project for which construction costs will not exceed \$4 million, and for any study activity for which fees will not exceed \$500,000.00.

The scope of services may include, but is not limited to, the following:

- Provide General Surveying Services
- Prepare GIS Related Surveying Services
- Collect Various GIS Data from relative Surveys and Field Visits
- Provide Signed Sealed Surveys and Reports Relative to Scope of Work

Firms must have previous municipal experience and must be licensed to practice **Professional Surveying** in the State of Florida, Florida State **Statute 472**, by the Board of Professional Regulation.

Tasks and deliverables will be determined per project. Each project shall require a signed Work Authorization (WA) form from the awarded firm to be provided to the City or the CRA. Forms shall be completed in its entirety and include the agreed upon scope, tasks, schedule, cost, and deliverables for the project. Consultant will be required to provide all applicable insurance requirements.

A. Term of Contract

The Term of this Contract shall be for an initial period of five (5) years from the date of execution by both the City and the Consultant.

B. Project Web Requirements:

1. This project will utilize e-Builder Enterprise™, a web-based project management tool. This web-based application is a collaboration tool, which will allow all project team members continuous access through the Internet to important project data as well as up to the minute decision and approval status information.

e-Builder Enterprise™ is a comprehensive Project and Program Management system that the City will use to manage all project documents, communications and costs between the Lead Consultant, Sub-Consultants, Design Consultants, Contractor and Owner. e-Builder Enterprise™ includes extensive reporting capabilities to facilitate detailed project reporting in a web-based environment that is accessible to all parties and easy to use. Training will be provided for all consultants selected to provide services for the City of Pompano Beach.

2. Lead and Sub-Consultants shall conduct project controls outlined by the Owner, Project Manager, and/or Construction Manager, utilizing e-Builder Enterprise™. **The designated web-based application license(s) shall be provided by the City to the Prime Consultant and Sub-Consultants.** No additional software will be required.

Lead Consultant and Sub-Consultants shall have the responsibility for logging in to the project web site on a daily basis, and as necessary to be kept fully apprised of project developments and required action items. , These may include but are not limited to: Contracts, Contract Exhibits, Contract Amendments, Drawing Issuances, Addenda, Bulletins, Permits, Insurance & Bonds, Safety Program Procedures, Safety Notices, Accident Reports, Personnel Injury Reports, Schedules, Site Logistics, Progress Reports, Correspondence, Daily Logs, Non-Conformance Notices, Quality Control Notices, Punch Lists, Meeting Minutes, Requests for Information, Submittal Packages, Substitution Requests, Monthly Payment Request Applications, Supplemental Instructions, Owner Change Directives, Potential Change Orders, Change Order Requests, Change Orders and the like. All supporting data including but not limited to shop drawings, product data sheets, manufacturer data sheets and instructions, method statements, safety SDS sheets, Substitution Requests and the like will be submitted in digital format via e-Builder Enterprise™.

C. Local Business Program

On March 13, 2018, the City Commission approved Ordinance 2018-46, establishing a Local Business Program, a policy to increase the participation of City of Pompano Beach businesses in the City's procurement process.

For purposes of this solicitation, "Local Business" will be defined as follows:

1. **TIER 1 LOCAL VENDOR.** POMPANO BEACH BUSINESS EMPLOYING POMPANO BEACH RESIDENTS. A business entity which has maintained a permanent place of business within the city limits and maintains a staffing level, within this local office, of at least ten percent who are residents of the City of Pompano Beach or includes subcontracting commitments to Local Vendors Subcontractors for at least ten percent of the contract value. The permanent place of business may not be a post office box. The business must be located in a non-residential zone, and must actually distribute goods or services from that location. The business must be staffed with full-time employees within the limits of the city. In addition, the business must have a current business tax receipt from the City of Pompano Beach for a minimum of one year prior to the date of issuance of a bid or proposal solicitation.
2. **TIER 2 LOCAL VENDOR.** BROWARD COUNTY BUSINESS EMPLOYING POMPANO BEACH RESIDENTS OR UTILIZING LOCAL VENDOR SUBCONTRACTORS. A business entity which has maintained a permanent place of business within Broward County and maintains a staffing level, within this local office, of at least 15% who are residents of the City of Pompano Beach or includes subcontracting commitments to Local Vendors Subcontractors for at least 20% of the contract value. The permanent place of business may not be a post office box. The business must be located in a non- residential zone, and must actually distribute goods or services from that location. The business must be staffed with full-time employees

within the limits of the city. In addition, the business must have a current business tax receipt from the respective Broward County municipality for a minimum of one year prior to the date of issuance of a bid or proposal solicitation.

3. **LOCAL VENDOR SUBCONTRACTOR. POMPANO BEACH BUSINESS.** A business entity which has maintained a permanent place of business within the city limits of the City of Pompano Beach. The permanent place of business may not be a post office box. The business must be located in a non-residential zone, and must actually distribute goods or services from that location. The business must be staffed with full-time employees within the limits of the city. In addition, the business must have a current business tax receipt from the City of Pompano Beach for a minimum of one year prior to the date of issuance of a bid or proposal solicitation.

You can view the list of City businesses that have a current Business Tax Receipt on the City's website, and locate local firms that are available to perform the work required by the bid specifications. The business information, sorted by business use classification, is posted on the webpage for the Business Tax Receipt Division: www.pompanobeachfl.gov by selecting the Pompano Beach Business Directory in the Shop Pompano! section.

The City of Pompano Beach is **strongly committed** to insuring the participation of City of Pompano Beach Businesses as contractors and subcontractors for the procurement of goods and services, including labor, materials and equipment. Proposers are required to participate in the City of Pompano Beach's Local Business Program by including, as part of their package, the Local Business Participation Form (Exhibit A,) listing the local businesses that will be used on the contract, and the Letter of Intent Form (Exhibit B) from each local business that will participate in the contract.

Please note that, while no goals have been established for this solicitation, the City encourages Local Business participation in *all* of its procurements.

If a Prime Contractor/Vendor is not able to achieve the level of goal attainment of the contract, the Prime Vendor will be requested to demonstrate and document that good faith efforts were made to achieve the goal by providing the Local Business Unavailability Form (Exhibit C), listing firms that were contacted but not available, and the Good Faith Effort Report (Exhibit D), describing the efforts made to include local business participation in the contract. This documentation shall be provided to the City Commission for acceptance.

The awarded proposer will be required to submit "Local Business Subcontractor Utilization Reports" during projects and after projects have been completed. The reports will be submitted to the assigned City project manager of the project. The Local Business Subcontractor Utilization Report template and instructions have been included in the bid document.

Failure to meet Local Vendor Goal commitments will result in "unsatisfactory" compliance rating. Unsatisfactory ratings may impact award of future projects if a sanction is imposed by the City Commission.

The city shall award a Local Vendor preference based upon vendors, contractors, or subcontractors who are local with a preferences follows:

1. For evaluation purposes, the Tier 1 and Tier 2 businesses shall be a criterion for award in this Solicitation. No business may qualify for more than one tier level.
2. For evaluation purposes, local vendors shall receive the following preferences:
 - a. Tier 1 business as defined by this subsection shall be granted a preference in the amount of five percent of total score.
 - b. Tier 2 business as defined by this subsection shall be granted a preference in the amount of two and one-half percent of total score.
3. It is the responsibility of the awarded vendor/contractor to comply with all Tier 1 and Tier 2 guidelines. The awarded vendor/contractor must ensure that all requirements are met before execution of a contract.

D. Required Proposal Submittal

Sealed proposals shall be submitted electronically through the eBid System on or before the due date/time stated above. Proposer shall upload response as one (1) file to the eBid System. The file size for uploads is limited to 250 MB. If the file size exceeds 250 MB the response must be split and uploaded as two (2) separate files.

Information to be included in the proposal: In order to maintain comparability and expedite the review process, it is required that proposals be organized in the manner specified below, with the sections clearly labeled:

Title page:

Show the project name and number, the name of the Proposer's firm, address, telephone number, name of contact person and the date.

Table of Contents:

Include a clear identification of the material by section and by page.

Letter of Transmittal:

Briefly state the Proposer's understanding of the project and express a positive commitment to provide the services described herein. State the name(s) of the person(s) who will be authorized to make representations for the Proposer, their title(s), office and E-mail addresses and telephone numbers. Please limit this section to two pages.

Technical Approach:

Firms or teams shall submit their technical approach to the tasks described in the scope, including details of how each phase of the project would be completed, and how their firm proposes to maintain time schedules and cost controls.

Schedule:

Proposer shall provide a timeline that highlights proposed tasks that will meet all applicable deadlines.

References:

References for past projects in the tri-county area (Broward, Palm Beach, and Miami-Dade.) Describe the scope of each project in physical terms and by cost, describe the respondent's responsibilities, and provide the contact information (name, email, telephone number) of an individual in a position of responsibility who can attest to respondent's activities in relation to the project.

List any prior projects performed for the City of Pompano Beach.

Project Team Form:

Submit a completed "Project Team" form. The purpose of this form is to identify the key members of your team, including any specialty subconsultants.

Organizational Chart:

Specifically identify the management plan (if needed) and provide an organizational chart for the team. The proposer must describe at a minimum, the basic approach to these projects, to include reporting hierarchy of staff and sub-consultants, clarify the individual(s) responsible for the co-ordination of separate components of the scope of services.

Statement of Skills and Experience of Project Team:

Describe the experience of the entire project team as it relates to the types of projects described in the Scope section of this solicitation. Include the experience of the prime consultants as well as other members of the project team; i.e., additional personnel, sub-consultants, branch office, team members, and other resources anticipated to be utilized for this project. Name specific projects (successfully completed within the past five years) where the team members have performed similar projects previously.

Resumes of Key Personnel

Include resumes for key personnel for prime and subconsultants.

Office Locations:

Identify the location of the office from which services will be rendered, and the number of professional and administrative staff at the prime office location. Also identify the location of office(s) of the prime and/or sub consultants that may be utilized to support any or all of the professional services listed above and the number of professional and administrative staff at the prime office location.

If firms are situated outside the local area, (Broward, Palm Beach, and Miami-Dade counties) include a brief statement as to whether or not the firm will arrange for a local office during the term of the contract, if necessary.

Local Businesses:

Completed Local Business program forms, Exhibits A-D.

NOTE: Form B must be signed by a representative of the subcontractor, NOT of the Prime.

Litigation:

Disclose any litigation within the past five (5) years arising out your firm's performance, including status/outcome.

City Forms:

The Proposer Information Page Form and any other required forms must be completed and submitted electronically through the City's eBid System. The City reserves the right

to request additional information to ensure the proposer is financially solvent and has sufficient financial resources to perform the contract and shall provide proof thereof of its financial solvency. The City may as at its sole discretion ask for additional proof of financial solvency, including additional documents post proposal opening, and prior to evaluation that demonstrates the Proposer's ability to perform the resulting contract and provide the required materials and/or services.

Reviewed and Audited Financial Statements:

Proposers shall be financially solvent and appropriately capitalized to be able to service the City for the duration of the contract. Proposers shall provide a complete financial statement of the firm's most recent audited financial statements, indicating organization's financial condition. Must be uploaded to the Response Attachments tab in the eBid System as a separate file titled "Financial Statements" and marked "CONFIDENTIAL."

Financial statements provided shall not be older than twelve (12) months prior to the date of filing this solicitation response. The financial statements are to be reviewed and submitted with any accompanying notes and supplemental information. The City of Pompano Beach reserve the right to reject financial statements in which the financial condition shown is of a date twelve (12) months or more prior to the date of submittals.

The City is a public agency subject to Chapter 119, Florida's Public Records Law and is required to provide the public with access to public records, however, financial statements that are required as submittals to prequalify for a solicitation will be exempt from public disclosure.

The City reserves the right to request additional information to ensure the proposer is financially solvent and has sufficient financial resources to perform the contract and shall provide proof thereof of its financial solvency. The City may as at its sole discretion ask for additional proof of financial solvency, including additional documents post proposal opening, and prior to evaluation that demonstrates the Proposer's ability to perform the resulting contract and provide the required materials and/or services.

A combination of two (2) or more of the following may substitute for audited financial statements:

- 1) Bank letters/statements for the past 3 months
- 2) Balance sheet, profit and loss statement, cash flow report
- 3) IRS returns for the last 2 years
- 4) Letter from CPA showing profits and loss statements (certified)

E. Insurance

CONTRACTOR shall not commence services under the terms of this Agreement until certification or proof of insurance detailing terms and provisions has been received and approved in writing by the CITY's Risk Manager. If you are responding to a bid and have questions regarding the insurance requirements hereunder, please contact the CITY's Purchasing Department at (954) 786-4098. If the contract has already been awarded, please direct any queries and proof of the requisite insurance coverage to CITY staff responsible for oversight of the subject project/contract.

CONTRACTOR is responsible to deliver to the CITY for timely review and written approval/disapproval Certificates of Insurance which evidence that all insurance required hereunder is in full force and effect and which name on a primary basis, the CITY as an additional insured on all such coverage.

Throughout the term of this Agreement, CITY, by and through its Risk Manager, reserve the right to review, modify, reject or accept any insurance policies required by this Agreement, including limits, coverages or endorsements. CITY reserves the right, but not the obligation, to review and reject any insurer providing coverage because of poor financial condition or failure to operate legally.

Failure to maintain the required insurance shall be considered an event of default. The requirements herein, as well as CITY's review or acceptance of insurance maintained by CONTRACTOR, are not intended to and shall not in any way limit or qualify the liabilities and obligations assumed by CONTRACTOR under this Agreement.

Throughout the term of this Agreement, CONTRACTOR and all subcontractors or other agents hereunder, shall, at their sole expense, maintain in full force and effect, the following insurance coverages and limits described herein, including endorsements.

1. Worker's Compensation Insurance covering all employees and providing benefits as required by Florida Statute, Chapter 440. CONTRACTOR further agrees to be responsible for employment, control and conduct of its employees and for any injury sustained by such employees in the course of their employment.

2. Liability Insurance.

(a) Naming the City of Pompano Beach as an additional insured as CITY's interests may appear, on General Liability Insurance only, relative to claims which arise from CONTRACTOR's negligent acts or omissions in connection with Contractor's performance under this Agreement.

(b) Such Liability insurance shall include the following checked types of insurance and indicated minimum policy limits.

Type of Insurance	Limits of Liability
GENERAL LIABILITY:	Minimum \$1,000,000 Per Occurrence and \$2,000,000 Per Aggregate
* Policy to be written on a claims incurred basis	
XX comprehensive form	bodily injury and property damage
XX premises - operations	bodily injury and property damage
— explosion & collapse	
hazard	
— underground hazard	
XX products/completed operations hazard	bodily injury and property damage combined
XX contractual insurance	bodily injury and property damage combined
XX broad form property damage	bodily injury and property damage combined
XX independent contractors	personal injury

XX personal injury

___ sexual abuse/molestation Minimum \$1,000,000 Per Occurrence and Aggregate

___ liquor legal liability Minimum \$1,000,000 Per Occurrence and Aggregate

AUTOMOBILE LIABILITY: Minimum \$1,000,000 Per Occurrence and Aggregate.
 Bodily injury (each person) bodily injury (each accident),
 Property damage, bodily injury and property damage
 combined.

XX comprehensive form
 XX owned
 XX hired
 XX non-owned

REAL & PERSONAL PROPERTY

___ comprehensive form Agent must show proof they have this coverage.

EXCESS LIABILITY Per Occurrence Aggregate

___ other than umbrella bodily injury and property damage combined \$1,000,000 \$1,000,000

PROFESSIONAL LIABILITY Per Occurrence Aggregate

XX * Policy to be written on a claims made basis \$1,000,000 \$1,000,000

(c) If Professional Liability insurance is required, Contractor agrees the indemnification and hold harmless provisions set forth in the Agreement shall survive the termination or expiration of the Agreement for a period of four (4) years unless terminated sooner by the applicable statute of limitations.

CYBER LIABILITY Per Occurrence Aggregate

___ * Policy to be written on a claims made basis \$1,000,000 \$1,000,000

___ Network Security / Privacy Liability
 ___ Breach Response / Notification Sublimit (minimum limit of 50% of policy aggregate)
 ___ Technology Products E&O - \$1,000,000 (only applicable for vendors supplying technology related services and or products)
 ___ Coverage shall be maintained in effect during the period of the Agreement and for not less than four (4) years after termination/ completion of the Agreement.

3. Employer's Liability. If required by law, CONTRACTOR and all subcontractors shall, for the benefit of their employees, provide, carry, maintain and pay for Employer's Liability

Insurance in the minimum amount of One Hundred Thousand Dollars (\$100,000.00) per employee, Five Hundred Thousand Dollars (\$500,000) per aggregate.

4. Policies: Whenever, under the provisions of this Agreement, insurance is required of the CONTRACTOR, the CONTRACTOR shall promptly provide the following:

- (a) Certificates of Insurance evidencing the required coverage;
- (b) Names and addresses of companies providing coverage;
- (c) Effective and expiration dates of policies; and

(d) A provision in all policies affording CITY thirty (30) days written notice by a carrier of any cancellation or material change in any policy.

5. Insurance Cancellation or Modification. Should any of the required insurance policies be canceled before the expiration date, or modified or substantially modified, the issuing company shall provide thirty (30) days written notice to the CITY.

6. Waiver of Subrogation. CONTRACTOR hereby waives any and all right of subrogation against the CITY, its officers, employees and agents for each required policy. When required by the insurer, or should a policy condition not permit an insured to enter into a pre-loss agreement to waive subrogation without an endorsement, then CONTRACTOR shall notify the insurer and request the policy be endorsed with a Waiver of Transfer of Rights of Recovery Against Others, or its equivalent. This Waiver of Subrogation requirement shall not apply to any policy which includes a condition to the policy not specifically prohibiting such an endorsement, or voids coverage should CONTRACTOR enter into such an agreement on a pre-loss basis.

F. Selection/Evaluation Process

A Selection/Evaluation Committee will be appointed to select the most qualified firm(s). The Selection/Evaluation Committee will present their findings to the City Commission.

Proposals will be evaluated using the following criteria.

Line	Criteria	Point Range
1	Prior experience of the firm with projects of similar size and complexity: a. Number of similar projects b. Complexity of similar projects c. References from past projects performed by the firm d. Previous projects performed for the City (provide description) e. Litigation within the past 5 years arising out of firm's performance (list, describe outcome)	0-15
2	Qualifications of personnel including sub consultants: a. Organizational chart for project b. Number of technical staff c. Qualifications of technical staff:	0-15

- (1) Number of licensed staff
 (2) Education of staff
 (3) Experience of staff on similar projects
- 3 Proximity of the nearest office to the project location: 0-15
 a. Location
 b. Number of staff at the nearest office
- 4 Current and Projected Workload 0-15
 Rating is to reflect the workload (both current and projected) of the firm, staff assigned, and the percentage availability of the staff member assigned. Respondents which fail to note both existing and projected workload conditions and percentage of availability of staff assigned shall receive zero (0) points
- 5 Demonstrated Prior Ability to Complete Project on Time 0-15
 Respondents will be evaluated on information provided regarding the firm's experience in the successful completion and steadfast conformance to similar project schedules. Provide an example of successful approaches utilized to achieve a timely project completion. Respondents who demonstrate the ability to complete projects on time shall receive more points.
- 6 Demonstrated Prior Ability to Complete Project on Budget 0-15
 Proposers will be evaluated on their ability to adhere to initial design budgets. Examples provided should show a comparison between initial negotiated task costs and final completion costs. Respondents should explain in detail any budgetary overruns due to scope modifications. Respondents which fail to provide schedule and budget information as requested will receive zero (0) points.
- 7 Is the firm a certified minority business enterprise as defined by the Florida Small and Minority Business Assistance Act of 1985? (Certification of any sub-contractors should also be included with the response.) 0-10

Additional 0-5% for Tier1/Tier2 Local Business will be calculated on combined scoring totals of each company.

NOTE:

Financial statements that are required as submittals to prequalify for a solicitation will be exempt from public disclosure; however, financial statements submitted to prequalify for a solicitation, and are not required by the City, may be subject to public disclosure.

Value of Work Previously Awarded to Firm (Tie-breaker) - In the event of a tie, the firm with the lowest value of work as a prime contractor on City of Pompano Beach projects within the last five years will receive the higher ranking, the firm with the next lowest value of work shall receive the next highest ranking, and so on. The analysis of past work will be based on the City's Purchase Order and payment records.

The Committee has the option to use the above criteria for the initial ranking to short-list Proposers and to use an ordinal ranking system to score short-listed Proposers following presentations (if deemed necessary) with a score of "1" assigned to the short-listed Proposer deemed most qualified by the Committee.

Each firm should submit documentation that evidences the firm's capability to provide the services required for the Committee's review for short listing purposes. After an initial review of the Proposals, the City may invite Proposers for an interview to discuss the proposal and meet firm representatives, particularly key personnel who would be assigned to the project. Should interviews be deemed necessary, it is understood that the City shall incur no costs as a result of this interview, nor bear any obligation in further consideration of the submittal.

When more than three responses are received, the committee shall furnish the City Commission (for their approval) a listing, in ranked order, of no fewer than three firms deemed to be the most highly qualified to perform the service. If three or less firms respond to the Solicitation, the list will contain the ranking of all responses.

The City Commission has the authority to (including, but not limited to); approve the recommendation; reject the recommendation and direct staff to re-advertise the solicitation; or, review the responses themselves and/or request oral presentations and determine a ranking order that may be the same or different from what was originally presented to the City Commission.

Value of Work Previously Awarded to Firm (Tie-breaker) - In the event of a tie, the firm with the lowest value of work as a prime contractor on City of Pompano Beach projects within the last five years will receive the higher ranking, the firm with the next lowest value of work shall receive the next highest ranking, and so on. The analysis of past work will be based on the City's Purchase Order and payment records.

G. Hold Harmless and Indemnification

Proposer covenants and agrees that it will indemnify and hold harmless the City and all of its officers, agents, and employees from any claim, loss, damage, cost, charge or expense arising out of any act, action, neglect or omission by the Proposer, whether direct or indirect, or whether to any person or property to which the City or said parties may be subject, except that neither the Proposer nor any of its subcontractors will be liable under this section for damages arising out of injury or damage to persons or property directly caused by or resulting from the sole negligence of the City or any of its officers, agents or employees.

H. Right to Audit

Contractor's records which shall include but not be limited to accounting records, written policies and procedures, computer records, disks and software, videos, photographs, subcontract files (including proposals of successful and unsuccessful bidders), originals estimates, estimating worksheets, correspondence, change order files (including documentation covering negotiated settlements), and any other supporting evidence necessary to substantiate charges related to this contract (all the foregoing hereinafter referred to as "records") shall be open to inspection and subject to audit and/or reproduction, during normal working hours, by Owner's agent or its authorized

representative to the extent necessary to adequately permit evaluation and verification of any invoices, payments or claims submitted by the contractor or any of his payees pursuant to the execution of the contract. Such records subject to examination shall also include, but not be limited to, those records necessary to evaluate and verify direct and indirect costs (including overhead allocations) as they may apply to costs associated with this contract.

For the purpose of such audits, inspections, examinations and evaluations, the Owner's agent or authorized representative shall have access to said records from the effective date of this contract, for the duration of the Work, and until 5 years after the date of final payment by Owner to Consultant pursuant to this contract.

Owner's agent or its authorized representative shall have access to the Contractor's facilities, shall have access to all necessary records, and shall be provided adequate and appropriate work space, in order to conduct audits in compliance with this article. Owner's agent or its authorized representative shall give auditees reasonable advance notice of intended audits.

Contractor shall require all subcontractors, insurance agents, and material suppliers (payees) to comply with the provisions of this article by insertion of the requirements hereof in any written contract agreement. Failure to obtain such written contracts which include such provisions shall be reason to exclude some or all of the related payees' costs from amounts payable to the Contractor pursuant to this contract.

I. Retention of Records and Right to Access

The City of Pompano Beach is a public agency subject to Chapter 119, Florida Statutes. The Contractor shall comply with Florida's Public Records Law, as amended. Specifically, the Contractor shall:

1. Keep and maintain public records required by the City in order to perform the service;
2. Upon request from the City's custodian of public records, provide the City with a copy of requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes or as otherwise provided by law;
3. Ensure that public records that are exempt or that are confidential and exempt from public record requirements are not disclosed except as authorized by law;
4. Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of the contract if the Contractor does not transfer the records to the City; and
5. Upon completion of the contract, transfer, at no cost to the City, all public records in possession of the Contractor, or keep and maintain public records required by the City to perform the service. If the Contractor transfers all public records to the City upon completion of the contract, the Contractor shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the

Contractor keeps and maintains public records upon completion of the contract, the Contractor shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the City, upon request from the City's custodian of public records in a format that is compatible with the information technology systems of the City.

J. Communications

No negotiations, decisions, or actions shall be initiated or executed by the firm as a result of any discussions with any City employee. Only those communications, which are in writing from the City, may be considered as a duly authorized expression on behalf of the City. In addition, only communications from firms that are signed and in writing will be recognized by the City as duly authorized expressions on behalf of firms.

K. No Discrimination

There shall be no discrimination as to race, sex, color, age, religion, or national origin in the operations conducted under any contract with the City.

L. Independent Contractor

The selected firm will conduct business as an independent contractor under the terms of this contract. Personnel services provided by the firm shall be by employees of the firm and subject to supervision by the firm, and not as officers, employees, or agents of the City. Personnel policies, tax responsibilities, social security and health insurance, employee benefits, purchasing policies and other similar administrative procedures applicable to services rendered under this agreement shall be those of the firm.

M. Staff Assignment

The City of Pompano Beach reserves the right to approve or reject, for any reasons, Proposer's staff assigned to this project at any time. Background checks may be required.

N. Contract Terms

The contract resulting from this Solicitation shall include, but not be limited to the following terms:

The contract shall include as a minimum, the entirety of this Solicitation document, together with the successful Proposer's proposal. Contract shall be prepared by the City of Pompano Beach City Attorney.

If the City of Pompano Beach defends any claim, demand, cause of action, or lawsuit arising out of any act, action, negligent acts or negligent omissions, or willful misconduct of the contractor, its employees, agents or servants during the performance of the contract, whether directly or indirectly, contractor agrees to reimburse the City of Pompano Beach for all expenses, attorney's fees, and court costs incurred in defending such claim, cause of action or lawsuit.

O. Waiver

It is agreed that no waiver or modification of the contract resulting from this Solicitation, or of any covenant, condition or limitation contained in it shall be valid unless it is in writing and duly executed by the party to be charged with it, and that no evidence of any waiver or modification shall be offered or received in evidence in any proceeding, arbitration, or litigation between the parties arising out of or affecting this contract, or the right or obligations of any party under it, unless such waiver or modification is in writing, duly executed as above. The parties agree that the provisions of this paragraph may not be waived except by a duly executed writing.

P. Survivorship Rights

This contract resulting from this Solicitation shall be binding on and inure to the benefit of the respective parties and their executors, administrators, heirs, personal representative, successors and assigns.

Q. Termination

The contract resulting from this Solicitation may be terminated by the City of Pompano Beach without cause upon providing contractor with at least sixty (60) days prior written notice.

Should either party fail to perform any of its obligations under the contract resulting from this Solicitation for a period of thirty (30) days after receipt of written notice of such failure, the non-defaulting part will have the right to terminate the contract immediately upon delivery of written notice to the defaulting part of its election to do so. The foregoing rights of termination are in addition to any other rights and remedies that such party may have.

R. Manner of Performance

Proposer agrees to perform its duties and obligations under the contract resulting from this Solicitation in a professional manner and in accordance with all applicable local, federal and state laws, rules and regulations.

Proposer agrees that the services provided under the contract resulting from this Solicitation shall be provided by employees that are educated, trained and experienced, certified and licensed in all areas encompassed within their designated duties. Proposer agrees to furnish the City of Pompano Beach with all documentation, certification, authorization, license, permit, or registration currently required by applicable laws or rules and regulations. Proposer further certifies that it and its employees are now in and will maintain good standing with such governmental agencies and that it and its employees will keep all license, permits, registration, authorization or certification required by applicable laws or regulations in full force and effect during the term of this contract. Failure of Proposer to comply with this paragraph shall constitute a material breach of contract.

S. Acceptance Period

Proposals submitted in response to this Solicitation must be valid for a period no less than ninety (90) days from the closing date of this solicitation.

T. Conditions and Provisions

The completed proposal (together with all required attachments) must be submitted electronically to City on or before the time and date stated herein. All Proposers, by electronic submission of a proposal, shall agree to comply with all of the conditions, requirements and instructions of this solicitation as stated or implied herein. All proposals and supporting materials submitted will become the property of the City.

Proposer's response shall not contain any alteration to the document posted other than entering data in spaces provided or including attachments as necessary. By submission of a response, Proposer affirms that a complete set of bid documents was obtained from the eBid System or from the Purchasing Division only and no alteration of any kind has been made to the solicitation. Exceptions or deviations to this proposal may not be added after the submittal date.

All Proposers are required to provide all information requested in this solicitation. Failure to do so may result in disqualification of the proposal.

The City reserves the right to postpone or cancel this solicitation, or reject all proposals, if in its sole discretion it deems it to be in the best interest of the City to do so.

The City reserves the right to waive any technical or formal errors or omissions and to reject all proposals, or to award contract for the items herein, in part or whole, if it is determined to be in the best interests of the City to do so.

The City shall not be liable for any costs incurred by the Proposer in the preparation of proposals or for any work performed in connection therein.

U. Standard Provisions

1. Governing Law

Any agreement resulting from this Solicitation shall be governed by the laws of the State of Florida, and the venue for any legal action relating to such agreement will be in Broward County, Florida.

2. Licenses

In order to perform public work, the successful Proposer shall:
Be licensed to do business in Florida, if an entity, and hold or obtain such Contractor' and Business Licenses if required by State Statutes or local ordinances.

3. Conflict Of Interest

For purposes of determining any possible conflict of interest, each Proposer must disclose if any Elected Official, Appointed Official, or City Employee is also an owner, corporate officer, or an employee of the firm. If any Elected Official, Appointed Official, or City Employee is an owner, corporate officer, or an employee, the Proposer must file a statement with the Broward County Supervisor of Elections pursuant to §112.313, Florida Statutes.

4. Drug Free Workplace

The selected firm(s) will be required to verify they will operate a “Drug Free Workplace” as set forth in Florida Statute, 287.087.

5. Public Entity Crimes

A person or affiliate who has been placed on the convicted vendor list following a conviction for public entity crime may not submit a proposal on a contract to provide any goods or services to a public entity, may not submit a proposal on a contract with a public entity for the construction or repair of a public building or public work, may not submit proposals on leases of real property to public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Florida Statute, Section 287.017, for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted vendor list.

6. Patent Fees, Royalties, And Licenses

If the selected Proposer requires or desires to use any design, trademark, device, material or process covered by letters of patent or copyright, the selected Proposer and his surety shall indemnify and hold harmless the City from any and all claims for infringement by reason of the use of any such patented design, device, trademark, copyright, material or process in connection with the work agreed to be performed and shall indemnify the City from any cost, expense, royalty or damage which the City may be obligated to pay by reason of any infringement at any time during or after completion of the work.

7. Permits

The selected Proposer shall be responsible for obtaining all permits, licenses, certifications, etc., required by federal, state, county, and municipal laws, regulations, codes, and ordinances for the performance of the work required in these specifications and to conform to the requirements of said legislation.

8. Familiarity With Laws

It is assumed the selected firm(s) will be familiar with all federal, state and local laws, ordinances, rules and regulations that may affect its services pursuant to this Solicitation. Ignorance on the part of the firm will in no way relieve the firm from responsibility.

9. Withdrawal Of Proposals

A firm may withdraw its proposal without prejudice no later than the advertised deadline for submission of proposals by written communication to the General Services Department, 1190 N.E. 3rd Avenue, Building C, Pompano Beach, Florida 33060.

10. Composition Of Project Team

Firms are required to commit that the principals and personnel named in the proposal will perform the services throughout the contractual term unless otherwise provided for by way of a negotiated contract or written amendment to same executed by both parties. No diversion or substitution of principals or personnel will be allowed unless a written request that sets forth the qualifications and experience of the proposed replacement(s) is submitted to and approved by the City in writing.

11. Invoicing/Payment

All invoices should be sent to City of Pompano Beach, Accounts Payable, P.O. Drawer 1300, Pompano Beach, Florida, 33061. In accordance with Florida Statutes, Chapter 218, payment will be made within 45 days after receipt of a proper invoice.

12. Public Records

- a. The City of Pompano Beach is a public agency subject to Chapter 119, Florida Statutes. The Contractor shall comply with Florida's Public Records Law, as amended. Specifically, the Contractor shall:
 - i. Keep and maintain public records required by the City in order to perform the service;
 - ii. Upon request from the City's custodian of public records, provide the City with a copy of requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes or as otherwise provided by law;
 - iii. Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of the contract if the Contractor does not transfer the records to the City; and
 - iv. Upon completion of the contract, transfer, at no cost to the City, all public records in possession of the Contractor, or keep and maintain public records required by the City to perform the service. If the Contractor transfers all public records to the City upon completion of the contract, the Contractor shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the Contractor keeps and maintains public records upon completion of the contract, the Contractor shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the City, upon request from the City's custodian of public records in a format that is compatible with the information technology systems of the City.
- b. Failure of the Contractor to provide the above described public records to the City within a reasonable time may subject Contractor to penalties under 119.10, Florida Statutes, as amended.

PUBLIC RECORDS CUSTODIAN

IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:

**CITY CLERK
100 W. Atlantic Blvd., Suite 253
Pompano Beach, Florida 33060
(954) 786-4611
RecordsCustodian@copbfl.com**

V. Questions and Communication

All questions regarding the Solicitation are to be submitted using the Questions feature in the eBid System. Questions must be received at least seven (7) calendar days before the scheduled solicitation opening. Oral and other interpretations or clarifications will be without legal effect. Addenda will be posted to the solicitation in the eBid System, and it is the Proposer's responsibility to obtain all addenda before submitting a response to the solicitation.

W. Addenda

The issuance of a written addendum or posting of an answer in response to a question submitted using the Questions feature in the eBid System are the only official methods whereby interpretation, clarification, or additional information can be given. If any addenda are issued to this solicitation the addendum will be issued via the eBid System. It shall be the responsibility of each Proposer, prior to submitting their response, to contact the City Purchasing Office at (954) 786-4098 to determine if addenda were issued and to make such addenda a part of their proposal. Addenda will be posted to the solicitation in the eBid System.

X. Contractor Performance Report

The City will utilize the Contractor Performance Report to monitor and record the successful proposer's performance for the work specified by the contract. The Contractor Performance Report has been included as an exhibit to this solicitation.

COMPLETE THE PROPOSER INFORMATION FORM ON THE ATTACHMENTS TAB IN THE EBID SYSTEM. PROPOSERS ARE TO COMPLETE THE FORM IN ITS ENTIRITY AND INCLUDE THE COMPLETED FORM IN YOUR PROPOSAL THAT MUST BE UPLOADED TO THE RESPONSE ATTACHMENTS TAB IN THE EBID SYSTEM.

PROPOSER INFORMATION PAGE

_____, _____
(number) (Title)

To: The City of Pompano Beach, Florida

The below named company hereby agrees to furnish the proposed services under the terms stated subject to all instructions, terms, conditions, specifications, addenda, legal advertisement, and conditions contained in the solicitation. I have read the solicitation and all attachments, including the specifications, and fully understand what is required. By submitting this proposal, I will accept a contract if approved by the City and such acceptance covers all terms, conditions, and specifications of this proposal.

Proposal submitted by:

Name (printed) _____ Title _____

Company (Legal Registered) _____

Federal Tax Identification Number _____

Address _____

City/State/Zip _____

Telephone No. _____ Fax No. _____

Email Address _____

COMPLETE THE PROJECT TEAM FORM ON THE ATTACHMENTS TAB IN THE EBID SYSTEM. PROPOSERS ARE TO COMPLETE FORM IN ITS ENTIRETY AND INCLUDE THE FORM IN YOUR PROPOSAL THAT MUST BE UPLOADED TO THE RESPONSE ATTACHMENTS TAB IN THE EBID SYSTEM.

PROJECT TEAM

SOLICITATION NUMBER _____

Federal I.D.# _____

PRIME

Role	Name of Individual Assigned to Project	Number of Years Experience	Education, Degrees
Principal-In-Charge	_____	_____	_____
Project Manager	_____	_____	_____
Asst. Project Manager	_____	_____	_____
Other Key Member	_____	_____	_____
Other Key Member	_____	_____	_____

SUB-CONSULTANT

Role	Company Name and Address of Office Handling This Project	Name of Individual Assigned to the Project
Surveying	_____	_____
	_____	_____
Landscaping	_____	_____
	_____	_____
Engineering	_____	_____
	_____	_____
Other Key Member	_____	_____
	_____	_____
Other Key Member	_____	_____
	_____	_____
Other Key Member	_____	_____
	_____	_____

(use attachments if necessary)

COMPLETE THE PROPOSER INFORMATION FORM ON THE ATTACHMENTS TAB IN THE EBID SYSTEM. PROPOSERS ARE TO COMPLETE THE FORM IN ITS ENTIRETY AND INCLUDE THE COMPLETED FORM IN YOUR PROPOSAL THAT MUST BE UPLOADED TO THE RESPONSE ATTACHMENTS TAB IN THE EBID SYSTEM.

VENDOR CERTIFICATION REGARDING SCRUTINIZED COMPANIES LISTS

Respondent Vendor Name: _____

Vendor FEIN: _____

Section 287.135, Florida Statutes, prohibits agencies from contracting with companies, for goods or services over \$1,000,000, that are on either the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List. Further, Section 215.4725, Florida Statutes, prohibits agencies from contracting (at any dollar amount) with companies on the Scrutinized Companies that Boycott Israel List, or with companies that are engaged in a boycott of Israel. As the person authorized to sign electronically on behalf of Respondent, I hereby certify by selecting the box below that the company responding to this solicitation is not listed on the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or the Scrutinized Companies that Boycott Israel List. I also certify that the company responding to this solicitation is not participating in a boycott of Israel, and is not engaged in business operations in Syria or Cuba. I understand that pursuant to sections 287.135 and 215.4725, Florida Statutes, the submission of a false certification may subject company to civil penalties, attorney's fees, and/or costs.

I Certify

Exhibit – Contractor Performance Report



**City of Pompano Beach, Purchasing Division
1190 N.E. 3rd Avenue, Building C
Pompano Beach, Florida, 33060**

**CITY OF POMPANO BEACH
CONTRACTOR PERFORMANCE REPORT**

1. Report Period: from _____ to _____

2. Contract Period: from _____ to _____

3. Bid# & or P.O.#: _____

4. Contractor Name: _____

5. City Department: _____

6. Project Manager: _____

7. Scope of Work (Service Deliverables): _____

Exhibit – Contractor Performance Report

CATEGORY	RATING	COMMENTS
1. Quality Assurance/Quality Control - Product/Services of high quality - Proper oversight - Communication	Poor =1 Satisfactory =2 Excellent =3	
2. Record Keeping -Accurate record keeping -Proper invoicing -Testing results complete	Poor =1 Satisfactory =2 Excellent =3	
3. Close-Out Activities - Restoration/Cleanup - Deliverables met - Punch list items addressed	Poor =1 Satisfactory =2 Excellent =3	
4. Customer Service - City Personnel and Residents - Response time - Communication	Poor =1 Satisfactory =2 Excellent =3	
5. Cost Control - Monitoring subcontractors - Change-orders - Meeting budget	Poor =1 Satisfactory =2 Excellent =3	
6. Construction Schedule - Adherence to schedule - Time-extensions - Efficient use of resources	Poor =1 Satisfactory =2 Excellent =3	
SCORE	_____	ADD ABOVE RATINGS/DIVIDE TOTAL BY NUMBER OF CATEGORIES BEING RATED

RATINGS

Poor Performance (1.0 – 1.59): Marginally responsive, effective and/or efficient; delays require significant adjustments to programs; key employees marginally capable; customers somewhat satisfied.

Satisfactory Performance (1.6 – 2.59): Generally responsive, effective and/or efficient; delays are excusable and/or results in minor program adjustments; employees are capable and satisfactorily providing service without intervention; customers indicate satisfaction.

Excellent Performance (2.6 – 3.0): Immediately responsive; highly efficient and/or effective; no delays; key employees are experts and require minimal direction; customers expectations are exceeded.

City of Pompano Beach Florida Local Business Subcontractor Utilization Report

Project Name (1)		Contract Number and Work Order Number (if applicable) (2)	
Report Number (3)	Reporting Period (4) to	Local Business Contract Goal (5)	Estimated Contract Completion Date (6)
Contractor Name (7)		Contractor Telephone Number (8) () -	Contractor Email Address (9)
Contractor Street Address (10)	Project Manager Name (11)	Project Manager Telephone Number (12) () -	Project Manager Email Address (13)

Local Business Payment Report						
Federal Identification Number (14)	Local Subcontractor Business Name (15)	Description of Work (16)	Project Amount (17)	Amount Paid this Reporting Period (18)	Invoice Number (19)	Total Paid to Date (20)
Total Paid to Date for All Local Business Subcontractors (21) \$						0.00

I certify that the above information is true to the best of my knowledge.

Contractor Name – Authorized Personnel (print) (22)	Contractor Name – Authorized Personnel (sign) (23)	Title (24)	Date (25)
---	--	------------	-----------

Local Business Subcontractor Utilization Report Instructions

- Box (1) Project Name** – Enter the entire name of the project.
- Box (2) Contract Number (work order)** – Enter the contract number and the work order number, if applicable (i.e., 4600001234, and if work order contract include work order number – 4600000568 WO 01).
- Box (3) Report Number** - Enter the Local Business Subcontractor Utilization Report number. Reports must be in a numerical series (i.e., 1, 2, 3).
- Box (4) Reporting Period** - Enter the beginning and end dates this report covers (i.e., 10/01/2016 – 11/01/2016).
- Box (5) Local Contract Goal** - Enter the Local Contract Goal percentage on entire contract.
- Box (6) Contract Completion Date** - Enter the expiration date of the contract, (not work the order).
- Box (7) Contractor Name** - Enter the complete legal business name of the Prime Contractor.
- Box (8) Contractor Telephone Number** - Enter the telephone number of the Prime Contractor.
- Box (9) Contractor Email Address** - Enter the email address of the Prime Contractor.
- Box (10) Contractor Street Address** – Enter the mailing address of the Prime Contractor.
- Box (11) Project Manager Name** - Enter the name of the Project Manager for the Prime Contractor on the project.
- Box (12) Project Manager Telephone Number** – Enter the direct telephone number of the Prime Contractor's Project Manager.
- Box (13) Project Manager Email Address** – Enter the email address of the Prime Contractor's Project Manager.
- Box (14) Federal Identification Number** – Enter the federal identification number of the Local Subcontractor(s).
- Box (15) Local Subcontractor Business Name** – Enter the complete legal business name of the Local Subcontractor(s).
- Box (16) Description of Work** – Enter the type of work being performed by the Local Subcontractor(s) (i.e., electrical services).
- Box (17) Project Amount** – Enter the dollar amount allocated to the Local Subcontractor(s) for the entire project (i.e., amount in the subcontract agreement).

- Box (18) Amount Paid this Reporting Period** – Enter the total amount paid to the Local Subcontractor(s) during the reporting period.
- Box (19) Invoice Number** – Enter the Local Subcontractor's invoice number related to the payment reported this period.
- Box (20) Total Paid to Date** – Enter the total amount paid to the Local Subcontractor(s) to date.
- Box (21) Total Paid to Date for All Local Subcontractor(s)** – Enter the total dollar amount paid to date to all Local Subcontractors listed on the report.
- Box (22) Contractor Name Authorized Personnel (print)** – Print the name of the employee that is authorized to execute the Local Subcontractor Utilization Report.
- Box (23) Contractor Name Authorized Personnel (sign)** – Signature of authorized employee to execute the Local Subcontractor Utilization Report.
- Box (24) Title** – Enter the title of authorized employee completing the Local Subcontractor Utilization Report.
- Box (25) Date** – Enter the date of submission of the Local Subcontractor Utilization Report to the City.

REQUESTED INFORMATION BELOW IS ON LOCAL BUSINESS PROGRAM FORM ON THE BID ATTACHMENTS TAB. BIDDERS ARE TO COMPLETE FORM IN ITS ENTIRITY AND INCLUDE COMPLETED FORM IN YOUR PROPOSAL THAT MUST BE UPLOADED TO THE RESPONSE ATTACHMENTS TAB IN THE EBID SYSTEM.

CITY OF POMPANO BEACH, FLORIDA
LOCAL BUSINESS PARTICIPATION FORM

Solicitation # & Title: _____

Prime Contractor's Name: _____

<u>Name of Firm, Address</u>	<u>Contact Person, Telephone Number</u>	<u>Type of Work to be Performed/Materials to be Purchased</u>	<u>Contract Amount</u>

LOCAL BUSINESS EXHIBIT "A"

LOCAL BUSINESS EXHIBIT "B"
LOCAL BUSINESS
LETTER OF INTENT TO PERFORM AS A LOCAL SUBCONTRACTOR

Solicitation Number _____

TO: _____
(Name of Prime or General Bidder)

The undersigned City of Pompano Beach business intends to perform subcontracting work in connection with the above contract as (check below)

_____ an individual _____ a corporation
_____ a partnership _____ a joint venture

The undersigned is prepared to perform the following work in connection with the above Contract, as hereafter described in detail:

at the following price: _____

(Date)

(Print Name of Local Business Contractor)

(Street Address)

(City, State Zip Code)

BY: _____
(Signature)

IMPORTANT NOTE: Signatures on this form MUST be by an authorized employee of Subcontractor and must be uploaded to the Response Attachment Tab

LOCAL BUSINESS EXHIBIT "B"

LOCAL BUSINESS EXHIBIT "C"
LOCAL BUSINESS UNAVAILABILITY FORM

Solicitation # _____

I, _____
(Name and Title)

of _____, certify that on the _____ day of

_____, _____, I invited the following LOCAL BUSINESS(s) to bid work
(Month) (Year)

items to be performed in the City of Pompano Beach:

Business Name, Address	Work Items Sought	Form of Bid Sought (i.e., Unit Price, Materials/Labor, Labor Only, etc.)
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Said Local Businesses:

- ___ Did not bid in response to the invitation
- ___ Submitted a bid which was not the low responsible bid
- ___ Other: _____

Name and Title: _____

Date: _____

Note: Attach additional documents as available.

LOCAL BUSINESS EXHIBIT "C"

LOCAL BUSINESS EXHIBIT "D"
GOOD FAITH EFFORT REPORT LOCAL BUSINESS PARTICIPATION

Solicitation # _____

1. What portions of the contract have you identified as Local Business opportunities?

2. Did you provide adequate information to identified Local Businesses? Please comment on how you provided this information.

3. Did you send written notices to Local Businesses?

____ Yes ____ No

If yes, please include copy of the notice and the list of individuals who were forwarded copies of the notices.

4. Did you advertise in local publications?

____ Yes ____ No

If yes, please attach copies of the ads, including name and dates of publication.

5. What type of efforts did you make to assist Local Businesses in contracting with you ?

7. List the Local Businesses you will utilize and subcontract amount.

_____	\$ _____
_____	\$ _____
_____	\$ _____

8. Other comments: _____

LOCAL BUSINESS EXHIBIT "D"



**City of Pompano Beach, Purchasing Division
1190 N.E. 3rd Avenue, Building C
Pompano Beach, Florida, 33060**

July 2, 2020

ADDENDUM #1, RLI E-21-20

**Continuing Contracts for Professional Surveying and Mapping
Services**

To Whom It May Concern,

The revised solicitation document, with corrected deadline, has been added to the attachments tab of the City's eBid system.

Addendum #1 is posted on the City's eBid website: <http://pompanobeachfl.ionwave.net>. Acknowledge receipt of this Addendum using the Addendum Attribute on the Attributes tab in the eBid System.

The deadline for acceptance of proposals in the eBid system is **2:00 p.m. (local), August 3, 2020.**

The remainder of the solicitation is unchanged at this time.

Sincerely,

Jeff English, Purchasing Agent

cc: website



**City of Pompano Beach, Purchasing Division
1190 N.E. 3rd Avenue, Building C
Pompano Beach, Florida, 33060**

August 3, 2020

ADDENDUM #2, RLI E-21-20

**Continuing Contracts for Professional Surveying and Mapping
Services**

To Whom It May Concern,

The revised solicitation document, with the inclusion of services to the Community Redevelopment Agency (CRA), has been added to the attachments tab of the City's eBid system.

Addendum #2 is posted on the City's eBid website: <http://pompanobeachfl.ionwave.net>. Acknowledge receipt of this Addendum using the Addendum Attribute on the Attributes tab in the eBid System.

The deadline for acceptance of proposals in the eBid system is **2:00 p.m. (local), August 3, 2020.**

The remainder of the solicitation is unchanged at this time.

Sincerely,

Jeff English, Purchasing Agent

cc: website

Online Questions & Answers

Event Information

Number: E-21-20 Addendum 2
Title: Continuing Contracts for Professional Surveying and Mapping Services
Type: Request for Letters of Interest
Issue Date: 7/2/2020
Question Deadline: 7/27/2020 05:00 PM (ET)
Response Deadline: 8/3/2020 02:00 PM (ET)
Notes: Pursuant to Florida Statutes Chapter 287.055 "Consultants' Competitive Negotiation Act" the City of Pompano Beach invites professional firms to submit qualifications and experience for consideration to provide professional surveying and mapping services to the City on a continuing as-needed basis.

The City will receive sealed proposals until **2:00 p.m. (local), August 3, 2020.** Proposals must be submitted electronically through the eBid System on or before the due date/time stated above. Any proposal received after the due date and time specified, will not be considered. Any uncertainty regarding the time a proposal is received will be resolved against the Proposer.

Proposer must be registered on the City's eBid System in order to view the solicitation documents and respond to this solicitation. The complete solicitation document can be downloaded for free from the eBid System as a pdf at: <https://pompanobeachfl.ionwave.net>. The City is not responsible for the accuracy or completeness of any documentation the Proposer receives from any source other than from the eBid System. Proposer is solely responsible for downloading all required documents. A list of proposers will be read aloud in a public forum.

Published Questions

Question	In the RFP there is a Contractor Performance Report form (3 pages) that we aren't sure how to fill out. There are no instructions that we've seen. Is this to be sent out to past clients for references prior to the proposal being submitted? Also, the following form - Local Business Subcontractor Utilization - refers to project amounts, amount paid, invoice number, and total paid to date - is this form meant to be returned with the proposal?
Answer	Do not include the Contractor Performance Report or the Local Business Utilization Report in your proposal. Their inclusion in the solicitation is the City's notice to the would-be selected firms that their compliance will be tracked.
Asked	7/21/2020 08:26 AM (ET)

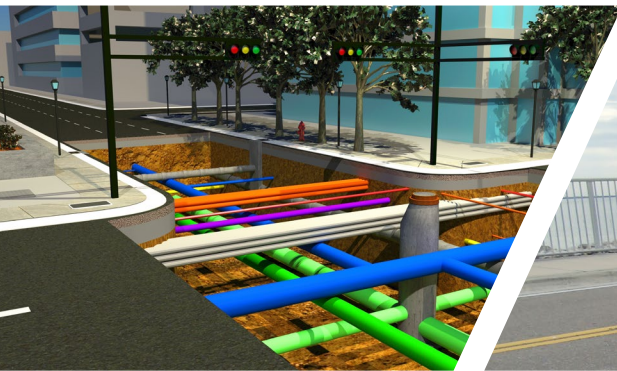
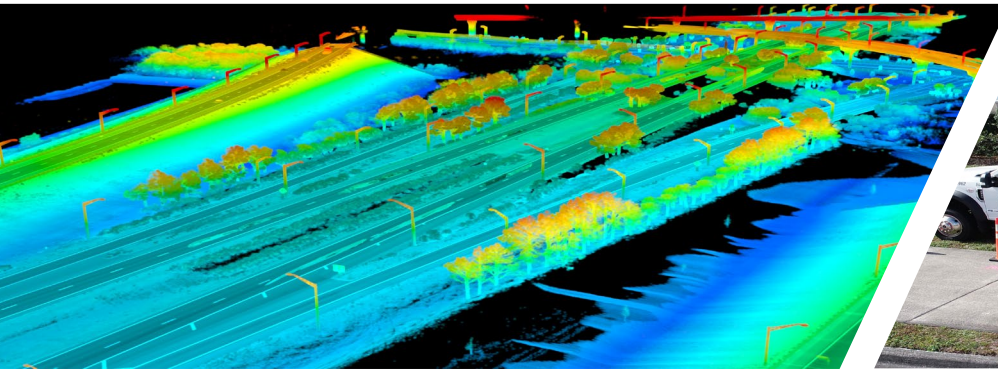
Question	Is there any indication of a need for a geotechnical consultant for this contract?
Answer	This RLI is requesting information on Professional Surveying and Mapping Services . Please note the City is advertising individual RLI's for Professional Civil Engineering, CEI, Landscape Architectural Services, and Professional Environmental testing. Firms may submit specialty subconsultants on the project team form. During the preparation of a Task Order, the City may choose to use a professional firm with an active City contract to perform subconsultant work, proposed by the prime firm.
Asked	7/13/2020 03:16 PM (ET)

Question	Page 3 of the RFQ states that "Firms must have previous municipal experience and must be licensed to practice Civil Engineering services in the State of Florida, Florida State Statute 481, by the Board of Professional Regulation", however this solicitation is for Surveying and Mapping services. Please clarify.
Answer	In Addendum - 2, The following paragraph has replaced said section: Firms must have previous municipal experience and must be licensed to practice Professional Surveying in the State of Florida, Florida State Statute 472, by the Board of Professional Regulation.
Asked	7/2/2020 07:34 PM (ET)

Question	Can you provide clarification on the due date? The cover letter says RLI opening 8/2. The body of the RFQ says 7/30 and the ebid system says it's due 8/2. Thank you!
Answer	The deadline was corrected in Addendum - 1
Asked	7/2/2020 05:04 PM (ET)



Submitted by:
Maser Consulting
1615 South Congress Avenue, Suite 103
Delray Beach, FL 33445
Daniel Checchia, Project Manager
954.279.8909 / DChecchia@maserconsulting.com



Prepared for:

**CITY OF POMPANO BEACH RFQ No. E-21-20
Continuing Contracts for Professional Surveying and
Mapping Services**



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August 3, 2020

Jeff English, Purchasing Agent
City of Pompano Beach
1190 N.E. 3rd Avenue, Building C
Pompano Beach, FL 33060

Re: RFQ No. E-21-20
Continuing Contracts for Professional Surveying and Mapping Services
MC Project No. 20003499P

Dear Mr. English and Selection Committee Members:

Maser Consulting appreciates the opportunity to submit our response to your Request for Qualifications for RFQ No. E-21-20 for Continuing Contracts for Professional Surveying and Mapping Services for the City of Pompano Beach. Maser Consulting has been providing consulting engineering, surveying, and related services to city and county engineering, planning, and economic development authorities throughout the East Coast since 1984. Our professional team has an excellent track record for consistent, accurate, and thorough contract management execution and product delivery. We meet our client's expectations through a coordinated team effort combining skilled personnel and the latest technological instrumentation.

Maser Consulting is a privately-owned company and is organized in Florida by regional divisions in Delray Beach, Miami, Orlando, Tampa and Jacksonville. Our goal is to make the City of Pompano Beach a long-term client and Maser Consulting looks forward to developing and maintaining a great professional relationship with the City going forward.

As you review our submittal, you will see that Maser Consulting has an excellent reputation and extensive experience to perform and carry out professional services as required by the City. We are dedicated to ensuring safe and smooth projects that are completed on time and within budget. We employ the most technologically advanced tools and remain committed to facilitating new innovations and strategies to meet an ever-changing environment. Our team of experts are committed to providing the highest standards of customer service and are driven by our adopted Core Values:

- Responsiveness
- Customer Service
- Quality
- Accountability
- Integrity
- Safety

As per the Request for Qualifications, it is the understanding of Maser Consulting that the City of Pompano Beach is seeking a qualified firm to provide a wide range of General Surveying and GIS related Surveying Services. Maser Consulting has the capability and capacity to perform the tasks mentioned in the scope of services, and if selected, will be committed to providing qualified personnel, in a responsive manner, ensuring the highest quality projects for the City, on time and within budget. Maser Consulting has substantial experience providing a wide range of services to municipalities throughout the history of the firm and has assembled a team of professionals with substantial experience working in Florida. This experience includes working with local government and community redevelopment agencies. We are

prepared to support any GO Pompano projects (phase II), Downtown Pompano CRA projects as well the engineering and public works departments efforts of sustainability and resiliency. Maser will be there alongside the City to navigate the response of relaunching business and economic recovery and always remains committed to the health and safety of our clients, employees and the public.

Approach to Task Assignments

The purpose of this contract is to provide professional services in surveying and mapping for various projects for the City of Pompano Beach on an as-needed basis. Maser Consulting commits that we have the necessary resources and expertise to successfully complete each assigned Work Authorization for the survey, SUE and GIS services associated with this contract. We can assume full and sole responsibility for projects of varying size, whether the project is a small one-day consulting solution, or a significant design & construction project.

Personnel Qualifications

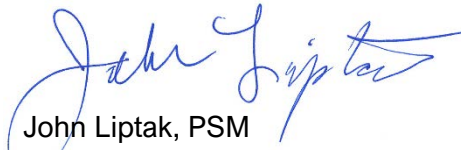
The Maser Consulting team of in-house professionals have the experience and training to perform this work and if selected, will be committed to providing skilled personnel, in a responsive manner, and will fully comply with the requirements set forth in the Request for Qualifications. For this assignment, Daniel Checchia, a Geographic Discipline Leader of the firm with more than 20 years of experience and based in our Delray Beach office, will lead our professional services team. Mr. Checchia will be the main point of contact and will be supported by the following professionals for the duration of this contract:

- John Liptak, PSM
- Aimara Diaz La Rosa, PSM
- Denis A. Denis, PSM, PE
- Patrick Senne, PSM
- Jose Morales, PSM
- Michael Cardo, PSM
- Michael Ehrhart, PSM
- Robert Wyatt Altman, PSM
- Suzanne Zitzman, GISP
- Michael Kolody
- Megan Turi
- Robert Kriskowski

Our resident Surveyors and GIS Specialists will be complemented by a highly qualified staff of home office support consisting of multiple design professionals, CAD technicians, survey field personnel and a host of the latest in technology resources to meet any and all demands this contract may require. The Maser Team has been assembled with the goal to combine and maximize the strengths of our creative and talented professional and technical staff with the extensive experience of our subconsultant partner Stoner & Associates, Inc. who have performed and managed numerous similar Survey contracts. Their local knowledge, additional resources, and trusted collaboration will create a solid unit the City can depend on.

Within this proposal you will find our certifications and qualifications for this contract. Our Delray Beach office will be the responsible office for this contract. If you have any questions or would like additional information, please contact Daniel M. Checchia, Project Manager and Primary Point of Contact at (o) 877.627.3772, (c) 954.279.8909 and/or Email: DChecchia@maserconsulting.com.

Very truly yours,
MASER CONSULTING



John Liptak, PSM
Principal Associate

Technical Approach

PROFESSIONAL SERVICES

Maser Consulting proposes to provide qualified professionals, staff and equipment to perform the general surveying services as well as GIS related surveying services to support the wide variety of projects to be undertaken under the City's adopted Capital Improvement Plan (CIP). These services will be provided from our Delray Beach office with additional resources from our Miami, Orlando, Tampa and Jacksonville offices, if needed. The close proximity of our Delray Beach office will allow us to quickly deploy resources such as field crews as well as office staff for any assignments or in person meetings. We can provide that back porch feel to the City.

GENERAL PROJECT SCOPE OF WORK

The purpose of this contract is to provide professional Survey and Mapping services for various projects within the five districts of the City of Pompano Beach and areas of the Community Redevelopment Agency on a task work order basis. We understand that this on-call contract, effectively allows the City to engage with and to be supported by a single professional consultant. Maser Consulting is ready to be that consultant! We will strive to exceed the City's expectations for the survey and GIS services performed under this contract. We are committed to the City of Pompano and prepared to demonstrate our core values including customer service and loyalty.

Maser Consulting will deliver the necessary resources and expertise to successfully complete each task assignment. We can assume full and sole responsibility for projects of varying size, whether the project is a small one-day consulting solution or providing support for an extended design & construction project or asset inventory collection and assessment.

We will accomplish this thorough responsiveness and communication, which will be the keys to success for this contract. As the primary point of contact, our Project Manager, Daniel Checchia, will provide responses to all City of Pompano Beach communication within a two-hour timeframe and, if needed, he can be at the City's offices, within an hour's notice. He will proactively communicate directly with City's Project Manager in the event of unusual circumstances ensuring prompt resolution to avoid project delays. Mr. Checchia will be available to attend meetings with the City, other agencies, utility providers, business owners, residents and other interested parties. Maser Consulting will provide timely project deliverables and milestone dates in a format determined by the City, which may be used to determine our overall progress as part of project status reporting. Maser Consulting will report its progress on a monthly basis.

Maser Consulting has assembled an exemplary team which includes our local small business partner Stoner and Associates. We have the qualified subject matter experts to perform the requirements included in the RFQ. Our capacity to accomplish work in any required timeframe is directly related to quantity and quality of resources and the commitment of our staff to meet the City's needs. We handpicked our team members to ensure we have redundant resources and experienced staff available to the City of Pompano Beach should work assignments be issued simultaneously or should emergency situations arise. Based on our review of the scope of work included in the RFQ, the following is our understanding of the General Project Scope of Work associated with this contract.

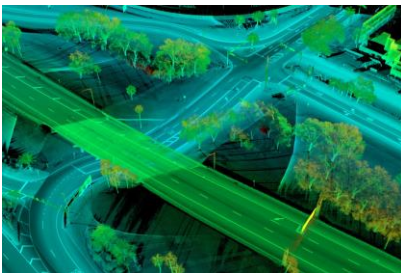
SURVEY AND MAPPING SERVICES



Maser Consulting and Stoner Associates have extensive experience providing land survey services for municipal clients and a proven track record of performing surveying and mapping services to support transportation capacity, design, resurfacing, maintenance and safety improvement assignments encompassing all survey; R/W mapping; legal descriptions; title review; control surveying; LiDAR; photogrammetry; asset inventory; ADA assessment; as-built; Unmanned Aerial Systems (UAS) assignments and SUE (designating and locates) services anticipated per the scope of services.



We employ a variety of powerful 3D hi-definition and LiDAR laser scanning technologies capable of collecting over a million data points per second with extreme precision and clarity. Our geospatial specialists have embraced this technology to create innovative approaches for a wide variety of surveying and mapping assignments. Data can be collected using static terrestrial, mobile or aerial platforms individually or by integrating one or more of these methods into one comprehensive, hi-accuracy deliverable. Our field data is processed using prudent quality control procedures. Once analyzed by our geospatial specialists, customized digital and visual deliverables are created to fulfill even the most unique project requirements. This wide range of applications includes standard planimetric CADD files, detailed Digital Terrain Models (DTM), as-built 3D models, asset databases, georeferenced photography and project site animations.



All work on this contract will be supervised by a registered Professional Surveyor & Mapper to adhere to state statues (Chapter 472, F.S.). The technology we employ is strengthened by our thorough understanding of survey principals. This allows our team to be confident in the high precision and accuracy of our data collection when supporting remote sensing technology with ground control and supplemental survey data via proven methods dependent on the needs of a specific assignment scope of work.

Deliverables will be prepared in Autodesk Civil 3D format based on The City of Pompano Beach Digital record drawing standards and requirements, filing structure, CADD Standards, layer scheme, templates and coding and will include all associated checklists and certified Surveying and Mapping Reports.

GEOGRAPHIC INFORMATION SYSTEMS (GIS)

Maser Consulting's team of experienced experts has been providing GIS asset management services to municipalities, counties, and authorities since 2001 and we have experience with over 100 Local Government clients that own and operate utility infrastructure. Our GIS team has a great reputation for responsiveness and dedication to our client's needs and goals.

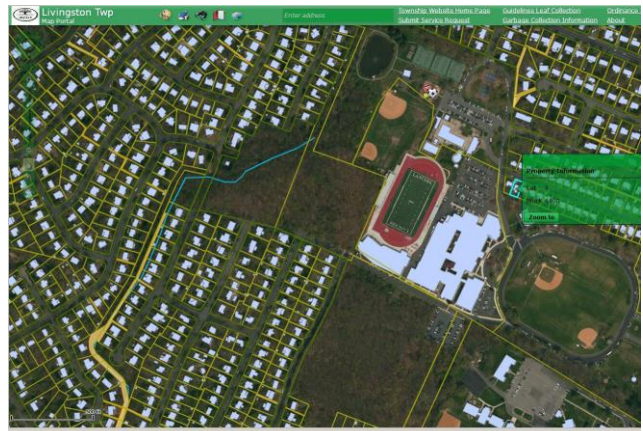
We will strive to exceed your expectations by providing highly qualified GIS staff to satisfy your project needs. We have assisted in implementing a variety of eGIS services including the installation and training for Esri ArcServer, Portal, and Desktop applications, VUEWorks Asset Management software, Cartegraph, Trimble GPS hardware, Pathfinder office and Business Center software and Eos Gold GPS hardware and software coupled with client mobile devices. We conduct training and support for our clients with full configuration and implementation of Esri, Eos, and Trimble products which tend to be the most requested for stormwater, water and sanitary sewer asset inventory projects.

Our project management team is trained on the latest Esri platforms including Enterprise GIS (eGIS) solutions using Esri ArcGIS Online web maps and web applications, Commercial Off the Shelf (COTS) Esri Certified Partner Products supporting asset management enhancements, such as condition and risk assessment, space planning, and facility management. Ms. Suzanne Zitzman, GISP, will serve as Maser Consulting's GIS Project Task Manager and will oversee the services performed by her team. **Maser Consulting is the team that the City can rely on to successfully complete the GIS and any GPS mobile application services required under this contract.**



Maser Consulting is a Silver Business Partner with Environmental Systems Research Institute, Inc. (Esri). Our reputation for providing hands-on GIS and GPS services, while exceeding clients' expectations, has made us a leader in providing creative solutions for multiple project types including utility inventory, digitizing, GPS web applications, data model design and automated scripting solutions utilizing Esri desktop and Esri web-based applications.

A summary of the anticipated GIS services we can provide available under this contract includes: Esri Server Configuration and Implementations, Web Apps and Maps and AGO Account Configuration; Standard Operating Procedure Implementation; Utility Mapping; Geometric Networking; Geodatabase Modeling; Digitizing; CAD to Esri Conversion; and Python Scripting; Our available GIS Web Based Asset Management Integration services include: Document Management; Fleet Management; Facility and Asset Management; Service Requests; Work Order Coordination and Tracking; Condition and Risk Assessment; Capital Project Planning; and Resource Management of Staff, Inventory and Equipment.



Below are some examples of proven enhancements which we can assist your GIS staff in implementing for the City of Pompano Beach's current GIS program:

- **Sanitary Sewer and Water Distribution Record Mapping**
- **Document and Data Management**
- **Leverage Mobile Devices for Field Work**
- **Leverage Mobile Devices for Data Collection and Inventory**
- **Link External Databases**



- **Asset Condition and Risk of Failure**
- **Project Planning and Budgeting**
- **Project Management**
- **Public GIS**
- **Emergency Response**

METHOD OF APPROACH

The successful execution of this contract will be achieved by ensuring each Work Authorization is organized, managed and executed to meet the City's requirements and delivery schedules. This will be accomplished through initial coordination with the City's Project Manager(s) assigned to each work classification and followed by preliminary review and research, field reviews, scope clarification, effective project management and development of a project specific safety and QA/QC plans.

SCHEDULE

Immediately upon receipt of any Work Authorization, our assigned Task Project Manager(s) will thoroughly review the scope of services and meet with the City's Project Manager and the applicable City staff to ensure a clear and concise understanding of the project goals, objectives and schedule. If necessary, we will carry out a site review to thoroughly assess the project characteristics, determine safety and maintenance of traffic issues and note any special coordination, access issues or potential permits required. This knowledge is then utilized to develop the project approach and determine the resources needed for tasks included in the scope of services. An estimate will then be prepared along with required supporting graphics or documentation clarifying unit details, schedule, and a project specific safety and QA/QC plans.

After completion of the negotiation phase and upon notice-to-proceed, the assigned Task Project Manager will hold a kick-off meeting with all key personnel to discuss project milestones, schedules, accuracies, deliverables, and QA/QC procedures. All key staff will be given the work program schedule that identifies critical milestones for each stage of the project. Detailed communication procedures will be established and followed between all City and Maser Consulting's assigned staff.

Maser Consulting will provide timely project deliverables and milestone dates in a format determined by the City, to ascertain our overall progress as part of project status reporting. We will report our progress using either the furnished templates or other formatted documents meeting the City's reporting requirements. The status for each Work Authorization will be closely monitored on at least a weekly basis to make sure all tasks remain on schedule and budget. Microsoft Project® will be utilized to schedule and track projects status on an on-going basis and prepare reports documenting percentages complete for project milestones, progress made, issues and resolutions, as well as a complete list of deliverables. BST software will be used to generate weekly reports to track current budget status and cost to complete for each component of the project.

We will submit all work to the City only after our staff ensures that each deliverable meets the City's standards and specifications. All work will comply with the Standards of Practice per Chapter 5J-17, pursuant to chapter 472.027, Florida statues and any City of Pompano Beach or FDOT manuals and instructions that apply.

Weekly production meetings with the project team will be held to maintain a constant production flow and to quickly identify and mitigate any unforeseen problems. Constant communication combined with face-to-face meetings via TEAMS, WebEx or in person will be implemented to maintain the highest quality product and meet the project budgets and schedule deadlines.

Maser Consulting will comply with jointly agreed procedures of a content management site for tracking progress and documents for the duration of this project. In addition, Maser Consulting will submit written weekly status reports to the City. The final form and procedures of these reports will be established at project initiation. At a minimum these reports will include documentation of any product or document deliveries or submittals; % complete reporting for each task element; meetings held, planned, or requested, including minutes thereof; issues or problems that are encountered, need to be addressed, or resolved; invoicing and payment; and production goals for the next reporting period, as defined by the City of Pompano Beach.

PROJECT MANAGEMENT PLAN

Maser Consulting consistently accomplishes project goals and objectives by performing professional services in conformity with our project management procedures. As part of the corporation's commitment to sound management practices, Maser Consulting has made a substantial investment in the latest technology. We employ a proven and comprehensive approach to project management with established procedures that are utilized uniformly throughout the corporate enterprise. Our assigned project managers work diligently with our clients to ensure successful project delivery in compliance with the approved schedules, design, budgeting, permitting, and administration while maintaining quality standards from initial assessment through project completion. We consistently accomplish project goals and objectives by performing professional services in conformity with our established project management procedures.

Projects are managed in accordance with corporate procedures to ensure successful project delivery in compliance with the approved schedule, budget and quality standards. Maser Consulting project managers operate within a team environment and we value our clients as team members and partners. A key factor in successful project management is communication. Keeping our clients and other team members informed throughout the project life cycle is viewed as critical to overall project success. As part of the corporation's commitment to sound management practices, Maser Consulting has made a substantial investment in the latest technology with all offices connecting through Wide Area Network connections which provides a real-time communication platform. These connections enable all offices to access data on any of the fourteen servers that service the all-regional offices. The company has a dedicated T1 connection to the internet, web servers and a dedicated server for e-mail and project scheduling are based on *Microsoft Exchange*. We utilize *Microsoft Project* as our project management software platform. In addition, our Project Managers actively utilize the project management portals included in BST Financial Software (Ver.10) to track and maintain project budgets on a weekly basis.

During the initial review of the project scope of work a Project Risk Analysis/Assessment will be performed for selected projects. Projects that are complex, high-cost, high-risk, fast tracked or at the client's request, will undergo a risk analysis assessment. The purpose of this assessment is to identify project related impediments that may have the potential to negatively impact the schedule, budget or both. Identifying potential problems early during the initial project life will help determine a more realistic project schedule and budget and increase project success. Early identification of potential impacts and mitigation

measures will prevent these impediments from occurring at a future date that may overwhelm project resources with less than desirable results effects.

The final scope of work authorized by the client establishes the baseline for the official project budget and project schedule. The project schedule is developed based on a *“time-is-of-the-essence”* philosophy that identifies the logical work sequence through all activities, thus defining the project Critical Path (Critical Path Method - CPM). The CPM schedule identifies project milestones and deliverables and reflects the approved person-hours and costs needed to complete the project based on the approved project budget (cost-loaded schedule). This cost loaded CPM schedule is updated periodically from actual time charged against the project, including project direct expenses.

QUALITY ASSURANCE / QUALITY CONTROL

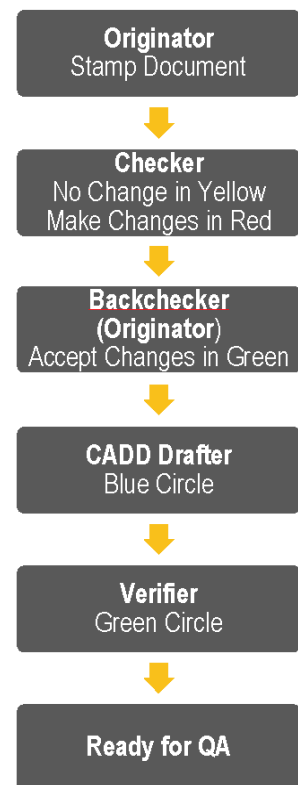
Maser Consulting is committed to taking responsibility for the quality of all our deliverables and we understand that quality control is the job of the consultant, not the City. Quality Assurance and Quality Control (QA/QC) reviews are essential components of our workflow. Our QA/QC process is redundant in nature, having a minimum of two reviewers for every project. Each reviewer follows a strict order of process which involves a thorough back-checking of all documentation. Data quality issues anywhere in the process will be investigated and resolved prior to finalizing the deliverable product. Final deliverable formatting will be consistent and a workplan will be developed containing a checklist of items specific to the project.

We have a strict policy to establish, commit to, implement, and monitor a QA/QC program for every project, ensuring quality deliverables for our clients. This QA/QC program is continually monitored to maximize its success and to identify possible improvements. Each Maser Consulting employee is a part of this QA/QC program. Their use of carefully managed processes, guidelines, and state-of-the-art tools is conducive to the creation of products and services which meet defined client requirements.

The Maser Consulting QA/QC program applies to all our disciplines and office locations. Throughout the organization, each Department Manager is responsible for the following:

- **Communicating the firm’s QA/QC policy to employees**
- **Developing quality plans and reviews**
- **Implementing a quality management system to consistently achieve superior services**

The Maser Consulting QA/QC Program manual is distributed to all Project Managers, Department Managers, Division Directors, and Executives of the firm. The manual is designed to help Project Managers implement practices for effective project management and incorporates department-specific guidelines as they are developed. We have identified two of our senior managers, Denis A. Denis, PSM, PE and Patrick Senne, PSM with a combined 40+ years of experience in surveying and SUE related projects, throughout the State of Florida as our Quality Assurance leads. Mr. Senne and Mr. Denis will manage QA/QC procedures and peer reviews for all final deliverables. Their roles will ensure the QA/QC



Program is applied for all aspects of this contract and will be responsible for the oversight of all deliverables prior to submittal to the City of Pompano Beach.

KEY STAFF AND AVAILABILITY

Team staff responsible for the activities assigned during the life of this project are listed below. It is the intent of Maser Consulting to be available to the City on a moment's notice. We will ensure that key staff have the support that is required for this project and they will make themselves available to the City. The depth of our Team and resources allows us to tackle any assignment. We bring a strong history for performing work on multiple, simultaneous projects on schedule and within budget requirements.

CAPACITY/AVAILABILITY

Our leadership team in the Delray Beach office manages weekly utilization meetings with all key staff for the purpose of evaluating daily workload projections for the week ahead. Following this meeting is a Florida Statewide operations meeting discussing the same items and uses this as a gauge for filling gaps where staff is needed. Having these weekly operations meetings provides project managers the ability to forecast project completion dates and be able to rely on this information to keep projects on schedule. At present, our team in Delray Beach and our subconsultant Stoner and Associates, Inc. have the capability and availability with current workload/backlog to provide over 60% of their time to the City of Pompano Beach for the duration of this contract based on the projected date of notice to proceed for this contract. As each month progresses, the trend of the percentage of availability continues to increase.

Our management staff carefully allocates the firm's resources to address the constantly shifting market demand for projects. We promote a management philosophy that supports the cross training our staff to make them available to the various disciplines that need to respond to the active market sectors. This enables Maser Consulting to maintain optimum utilization of highly trained individuals who provide resources to meet aggressive project schedules. This approach has enabled us to maintain a steady stream of projects, while providing flexibility to allocate resources as necessary to immediately respond to new project requests.

CURRENT WORKLOAD

For your contract, we will provide not only the resources from our Delray Beach office, the dedicated office for your project, but we will also have access to the company's three (3) additional Florida offices located in Miami, Orlando, Tampa and Jacksonville, along with the resources within the balance of our offices throughout the US.

<i>Current Assignments</i>	<i>Key Project Staff</i>	<i>Contract Size</i>	<i>Percent Complete</i>
FDOT D4 SR 7 Transit Corridor	John Liptak, Daniel Checchia	\$150,000	50%
CFX SR 429 Widening, W Rd to SR414	Michael Ehrhart	\$729,000	90%
FDOT D5 I-75 from SR200 to CR536 PD&E	Patrick Senne	\$900,000	80%
FTE Turnpike Milling & Resurfacing	Michael Ehrhart	\$356,000	90%
FDOT D5 SR40 Milling & Resurfacing	Michael Ehrhart, Patrick Senne	\$182,837	70%

Maser Consulting's management staff carefully allocates the firm's resources to address the constantly shifting market demand for projects. We promote a management philosophy that supports cross training our staff to prepare them to be available in short notice and to be qualified to support the variety of disciplines required for this project. This enables Maser Consulting to maintain optimum utilization of highly trained individuals who provide resources for "Fast-Track" project completion. This approach has enabled us to maintain a steady stream of projects, while enabling us to allocate adequate resources to immediately respond to new project assignments such as this one.

FISCAL RESPONSIBILITY

The Maser Consulting Team has supported multiple FDOT and local authority contracts with a similar expectation. Our Key staff and subconsultant, Stoner and Associates, Inc. have work history on prior Surveying and SUE projects. We are confident our experience and established working relationship will be invaluable to the City as we approach this contract. Below is a list of projects and contracts we feel have significant parallels to this specific contract. with information included to demonstrate our focus of fiscal responsibility for all of our projects regardless of the client or entity we are supporting.

TECO, South Florida Avenue Gas Line Extension

Client: TECO's Peoples Gas

Contract Period: 12/2019 – 12/2019

Initial Budget: \$13,490.00

Final Budget: \$11,700.00

Brief Description of Services Provided: Maser Consulting supported this gas distribution extension in busy downtown Tampa with SUE QLB and QLA services. With our clear understanding of TTC/MOT while working in a high traffic urban area we performed the SUE Locate work at night to minimize impact to the traveling public and ensure safe operations for our personnel and the public. Efficiencies on the project were passed onto client reducing budget.

JEA, Ponte Vedra Boulevard Watermain Replacement

Client: Jacksonville Electric Authority / Subconsultant to R.E. Holland

Contract Period: 1/2019 – 12/2019

Initial Budget: \$31,960.00

Final Budget: \$31,960.00

Brief Description of Services Provided: Performed over 70 locates along a 2-mile two lane corridor with no access to the roadside. Lane closures were required for many of the test holes. Our crews safely managed the TTC/MOT and delivered the project on time and within budget.

FDOT District 5, SR 519 from I-95 to SR 520

Client: Florida Department of Transportation / Subconsultant to Tetra Tech

Contract Period: 4/2019 – present

Initial Budget: \$1,175,477.49

Final Budget: \$1,130,880.78 (on track to complete within budget)

Brief Description of Services Provided: This 4-mile project scope included resurfacing of the roadway, drainage and ADA changes and Right of Way Control Survey. Maser Consulting performed Mobile Lidar to expedite the DTM of the roadway with significant detail for cross slope correction. SUE was performed for all utilities to assist with design.

Central Florida Expressway Authority, SR 417 Widening from Landstar to Boggy Creek

Client: Central Florida Expressway Authority / Subconsultant to Horizon Engineering

Contract Period: 12/2018 – 10/2019

Initial Budget: \$357,847.21

Final Budget: \$307,074.90

Brief Description of Services Provided: The survey scope of work included planimetric mapping and digital terrain modeling of the entire project corridor, from Right of Way to Right of Way for over 4 miles of highway and cross streets. Maser Consulting provided underground utility designates and locates, Mobile LiDAR, and UAS LiDAR, which were used to locate and document existing ground features along the roadway.

Central Florida Expressway Authority, SR 429 Widening from West Road to SR 414

Client: Central Florida Expressway Authority / Subconsultant to Moffat & Nichol

Contract Period: 4/2019 – present

Initial Budget: \$629,005.96

Final Budget: \$729,005.96 (owner induced change order of \$100K to extend scope and project limits)

Brief Description of Services Provided: 4.4-mile design project, presently the lead for all Survey and Subsurface Utility Engineering. Scope included project control, right of way survey, Mobile and Aerial LiDAR to widen mainline and eight bridges for increased capacity and safety improvements.

JEA, St. Vincent Hospital Watermain Replacement

Client: Jacksonville Electric Authority / Subconsultant to R.E. Holland

Contract Period: 1/2019 – 12/2019

Initial Budget: \$34,000.00

Final Budget: \$34,000.00

Brief Description of Services Provided: 1/2-mile Roadway Design survey on King Street, Shircliff Way and Riverside Avenue. Includes LiDAR scanning interior pump room & pedestrian bridge and SUE locations in corridor.

FDOT District 1, SR 72 from West of Gateway Avenue to Gantt Road

Client: Florida Department of Transportation / Subconsultant to AIM Engineering & Surveying

Contract Period: 7/2018 – 11/2018

Initial Budget: \$28,623.32

Final Budget: \$28,623.32

Brief Description of Services Provided: Task order under Districtwide SUE contract. Provided QLB and QLA SUE Services within this known congested utility corridor. Our team is responsible for completing all designating, locating and ground penetrating radar services for existing surface and subsurface utilities in support of the design and construction.

SAFETY

All our field/office staff are aware that public roads can be one of the most dangerous work environments in the U.S. Our commitment to the safety of the traveling public and our staff is unequivocal. Maser Consulting has adopted the Behavior Based Safety (BBS) model as an enhancement to our existing safety program to live a Safety Culture at work and home. We are committed to observing best practices in the office and field to minimize risk potential to both our team and/or the traveling public. We commit to using

remote sensing and mobile lidar scanning technology to stay out of travel lanes. All field activities will involve MOT certified personnel and will include a site-specific safety meeting, coordinated by our Branch Safety Officer, Wyatt Altman, PSM, to review potential hazards and safety protocols.

Each of our employees has the authority to “Stop Work” in the event a potential hazard is observed to discuss and implement a corrective action plan. Maser Consulting staff maintain Intermediate Maintenance of Traffic (IMOT) certifications as well as OSHA 10-hour, OSHA 30-hour, OSHA HazWOPER, coalition for construction safety (CCS), E-Rail Safe, and first aid/CPR training. Additionally, Maser utilizes Operator Qualification programs through Veriforce to provide safety training and OQ certification for work in and around gas/petroleum facilities.

INNOVATION

Communication in the COVID-19 Environment: Maser Consulting proactively took steps early in the pandemic to ensure our staff had the flexibility and technology infrastructure to promote an efficient remote working environment. We significantly upgraded our office infrastructure to continue operations from our respective home offices, including hardwire VPN’s, video conferencing cameras, “GoToMeeting” hosting licenses and Microsoft Teams. Our daily internal meetings help ensure our ability to meet schedules and service for our clients. Communication with City staff and our subconsultant can occur seamlessly under this contract. By utilizing these tools Maser has continued to be successful in providing quality customer service to our clients.

Surveying and Mapping Services: The proper collection, processing, data extraction and the fusion of subsurface utilities, ground survey and LiDAR data is one of our strongest skillsets. Our well-established workflows help ensure successful initial capture and/or provide quality review of remote sensing data and have been proven successful on many significant interstate and infrastructure projects.

Our technical staff is one of the largest users of TopoDOT software for LiDAR mapping/extraction in the country, we are a leader in Terrestrial Mobile LiDAR applications with 2 units performing on a wide variety of transportation projects (including roadways, rail and airports) nationwide. Our diverse experience provides innovative approaches, and we are committed to adding new and efficient methodologies, technologies, and processes to bring significant value for our clients.

Through experience gained while providing NextGen Plans, AMG and Augmented Reality (AR) 3D-Model program support for FDOT, Maser Consulting brings unparalleled experience in data interoperability support for maintaining data governance throughout the life cycle of transportation assets and Construction Information Management (CIM) compliant real-time or post construction as-builts.

GIS (Mobile Infrastructure Management Tools): Developed in-house by our GIS team, the Maser Consulting M3 mobile management program supports collection, assessment and mapping of assets and provides real-time field communication and information sharing, or system-based asset management. This versatile program can be customized to manage physical assets as well as for monitoring and workflow applications. It can also be built upon to add assets and features, while keeping your staff and project workflow compliant, accessible, and safely operating.

Our award-winning GIS-based asset management services (i.e. document management, Esri mapping services, and GPS data collection and data management) have been spotlighted in national publications

such as Stormwater Magazine, and Public Works Magazine, and we have also received a national award from Government Technology's - Best Fit Integrators Award.

Subsurface Utility Services: Our Subsurface Utility specialists have recently adopted a solution which streamlines field efforts to control cost with real time collaboration to offer to our clients enhanced quality and reporting. Maser Consulting utilizes the custom mobile reporting and sharing platforms through *Fulcrum & Basecamp* that is geospatially accurate and provides real time data reporting to the Project Management team. These applications allow technicians, project management, and clients to see utility field sketches, notes, and test hole reports as they happen in the field. This allows for immediate coordination of crew's location and effort, review by managers. Project Managers troubleshoot and resolve challenges in the field. These mobile platforms involve all team members necessary to address or resolve any issue. The data received from these systems also provide additional QA/QC data points to ensure thoroughly reviewed and correct deliverables.

WHY MASER?

Survey, GIS and Subsurface Utility Surveying are very competitive markets with multiple professional firms qualified to perform the services outlined in this RFQ. What sets Maser Consulting apart is our focus on best practices that can add value beyond the traditional scope and conventional approach to these services. We believe it is our responsibility to review all potential solutions or methods when approaching an assignment, to ultimately increase efficiency and more effectively utilize the funds allocated for this contract.

Maser Consulting invests heavily in technology where we see a benefit to production and client service. We make a point to stay ahead of the curve, not only on technology, but industry trends, new equipment and novel workflows to bring added value to all our clients. Effectively leveraging these technologies affords our clients options to reduce contract costs, increase efficiency and improve product quality, as well as more effectively managing the project and communication. All these pieces contribute to the delivery of our projects, safely, on time and within budget.

Our diverse experience provides innovative approaches, and we are committed to adding new and efficient methodologies, technologies, and processes to our skillset. We would like to bring these ideas and best practices to the City of Pompano Beach to offer the most efficient service to ensure this project not only stay on schedule but result in a higher quality deliverable.

We look forward to collaborating with you on this contract and appreciate your time and consideration.

Schedule

Maser Consulting understands that timely, high quality and on/under man-hours budget deliveries of data are critical and commits to meeting or exceeding City's expectations. We know how critical it is to complete all project elements in a timely manner and within budget – maximizing the effectiveness and value of this contract. Resourcing and availability will be the driving elements of meeting project schedules. After completion of the negotiation phase and upon notice-to-proceed, Mr. Checchia will hold a kick-off meeting with all key personnel to discuss project milestones, schedules, accuracies, deliverables, and QA/QC procedures. All key staff will be given the work program schedule that identifies critical milestones for each stage of the project. Detailed communication procedures will be established and followed between all constituents and Maser Consulting's Project Manager. Schedule updates will be included with the monthly progress reports and corrective actions, if necessary, will be identified and communicated to maintain agreed upon deadlines. Please find below a typical project workflow schedule:

Respond & Define (within 48 hours)

1. Upon receiving any request, responding back to the City acknowledging receipt
2. Review the requested scope of services and related information provided
3. Project Manager will assess the project characteristics, determine safety and Temporary Traffic Control (TTC) needs and note any special coordination, access issues or potential permits required
4. Coordinate with internal team to develop any scope suggestions
5. Request and schedule an informal meeting with city representative to review the proposed scope prior to define scope

Scope Clarification, Cooperation & Communication

1. Review the combined capabilities of our team and consider the specifics of this assignment such as; project location, project site familiarity, specialty services, scope requirements, schedule of completion, available resources, small business goals and project specific QA/QC plan is created
2. Preparation of the fee estimate
3. Submit for review and discussion
4. Notice to proceed work authorization received
5. Internal kick-off meeting including field staff, survey technicians, subconsultants and city representative is conducted to review the approach, schedule, site specific safety requirements and project specific QA/QC plan

Mobilization, Execution & Peer Review

1. Fiscal responsibility begins; BST dashboard established
2. Project specific QA/QC implemented, health and safety plan
3. Mobilization for data collection
4. Compile and processing data
5. Perform peer review (field to office)
6. Meeting with Project manager as necessary communicating updates
7. Weekly monitoring through BST dashboard

Organize, QA/QC & Deliver

1. Prepare office data for delivery
2. Perform peer review
3. Draft product
4. Corporate QA/QC process initiated
5. BST dashboard/ fiscal responsibility monitored
6. Project Manager performs scope analysis to ensure all expectations have been satisfied
7. Sign and sealed product delivered to client
8. Follow up to ensure customer satisfaction

References

CITY OF POMPANO BEACH PROJECT EXPERIENCE

***Individual Experience of Daniel Checchia performed with another firm**

Pier Beach Parking Garage Design/Build *

As a Task Project Manager part of the design-build team, Mr. Checchia's role involved coordination with these disciplines; Planning, Surveying, Utility Coordination/Investigation, Civil Engineering, Landscape Design, Permitting and Construction Inspection. The Pompano Beach Pier/Beach Parking Garage is located at the southeast corner of North Ocean Blvd. (SR A1A) and NE 3rd Street on a 3.5-acre site. The new parking garage includes five stories, 625 parking spaces, speed ramp to facilitate access to higher levels of the garage and some retail space on the ground level fronting NE 3rd Street and the new Pier Street.

Martin Luther King Boulevard*

As a Task Project Manager supervised the ASCE Standard Quality Level "B" (Designating) and Quality Level "A" (Locating) Subsurface Utility Engineering services to assist the design engineer on accurately identifying and mapping the existing utilities in order to mitigate conflicts with the proposed design.

Overhead Utility Conversion from Hillsboro Inlet to Terra Mar Drive*

As a Project Manager supervised Locates on exposing existing utilities in order to assist design engineer to minimize potential conflicts for the proposed undergrounding of existing overhead facilities. ASCE Standard Quality Level "B" (Designating) and Quality Level "A" (Locating) vacuum excavation services were mapped and placed in a geo referenced cad file with a test hole summary report providing coordinates, depth of cover, type, size and material.

Oceanside Fire Station #11, Fire Stations #24 & #61 *

As a Task Project Manager, supervised ASCE Quality Level "B" (Designating), Quality Level "A" (Locating) vacuum excavation and Mapping services to assist the design engineer on preparing the design build documents to be released for bid.

S.E. 8th Court Bridge Replacement*

As a Task Project Manager, supervised providing utility location support for the design of the bridge. Utility Quality Level "B" (Designating), Quality Level "A" (Locating) vacuum excavation and Mapping services were performed to assist the design team in identifying existing utilities within the proposed footprint.

Pompano Beach Boulevard Streetscape*

As a Task Project Manager, supervised providing Quality Level "B" (Designating) and Quality Level "A" (Locating) vacuum excavation and Mapping services for the development of a unique beach front venue in the City of Pompano. The firm designated the above horizontal alignment of any existing known/unknown, tone able and non-tone able utilities using combination of geo physical prospecting equipment and Ground Penetrating Radar. This information was then collected and used by the design team to identify the presences of existing subsurface facilities. Additionally, performed utility verifications of the facilities by using non-destructive/ non- intrusive vacuum excavation services. The Utilities were exposed and cataloged to help the design team resolved potential conflicts with proposed design improvements.

CITY OF MIAMI MISCELLANEOUS SURVEYING AND MAPPING SERVICES CONTRACT
Miami, Miami-Dade County, FL

Under this miscellaneous surveying and mapping services contract, Maser Consulting performed boundary and topographic surveys for various city parks (Peacock Park, Grove Mini-Park, North Bay Vista Park, Lummus Park, Henry Reeves Park, West Buena Vista Park, Dorsey Memorial Library, Silver Bluff Park, Simpson Park, Morningside Park). Surveys included elevations of tennis courts, basketball courts, athletic field areas and pertinent site features such as parking areas, buildings, trees, fences, sprinkler heads, and light poles. Scope of services included: Locating the project site in relation to property boundaries; All interior improvements and improvements in the adjoining half rights-of-way; Locating all Trees within the property Boundaries; provide a tree table with tree name, trunk diameter, height, and canopy; Locating all buildings within the survey area; provide building corners, perimeter dimensions, setback distances, top of parapet elevations, and finished floor elevations; Taking elevation shots at 50-foot intervals; additionally collect all visible terrain deviation such as low and high points; Locating all courts and show court lines, fences, etc.; Collecting invert elevation, pipe size, and pipe type of all accessible existing inlets and manholes;

Client Reference

Jose Otavio Caldeira
Project Manager, CIP
City of Miami
Riverside Center, 444 SW 2nd Avenue
Miami, FL 33132
Phone No.: 305.416.1290
Email: jcaldeira@miamigov.com

Performance Period:

2013 to Present

Total Amount of the Contract

N/A, based on Task Work Orders



Locating all overhead utility lines and poles within the survey area; Showing existing easements; Setting two onsite Benchmarks with state plane coordinate and elevation, these points are to be used as control points during construction; Delivering 10 signed and sealed copies of the resulting map of survey, along with a CD containing digital version of the resulting map of survey in PDF and DWG formats; and Bathymetric Survey around Dock & Boat Ramp.

CITY OF MIAMI BEACH, WEST AVENUE AND ENVIRONS
Miami Beach, Miami-Dade County, FL

Maser Consulting has been performing Right of Way Mapping and Surveying Consultant Services required consisting of field surveys for Right of Way Mapping and Design projects. Survey assignments include re-establishment of survey baselines, establishing primary and secondary horizontal and vertical control points, permanent benchmarks, Digital Terrain Models (DTM), Topography, Drainage Surveys, bridge data, maps, sketches and legal descriptions. Design Survey includes: Geodetic Control; Project Network Control Sheet; Alignments; Bench Levels; Topography; Roadway DTM and Tin Models; Side Street Surveys; Underground Utilities; Drainage Survey; Bridge Data Survey; Outfall, Detention and Mitigation Survey; and Stakeout of Borings. Right-of-Way Surveys include elements of Design survey as well as Section Ties; Subdivision Ties; Maintained Right of Way Survey; Building Ties; and Jurisdictional Line Survey; Right of Way Maps.

Client Reference
Brian T. Bellino, PSM
City Surveyor Manager
City of Miami Beach
1700 Convention Center Drive
Miami Beach, FL 33139
Phone No.: 305.673.7000 ext. 6132
Email:
briantbellino@miamibeachfl.gov

Performance Period:
 2014 to Present

Total Amount of the Contract



MIAMI-DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS - GENERAL LAND AND ENGINEERING SURVEYING AND/OR AERIAL PHOTOGRAMMETRIC SERVICES
Miami-Dade County, FL

Maser Consulting has been providing general land surveying services under a continuing services contract since 2006. Scope of services include: boundary surveys, design surveys, underground utilities surveys, as-built surveys, photogrammetric services, and any supportive tasks. Projects have included:

- SW 117 Avenue from approximately SW 36 Street to Coral Way – Establish Right of Way tie Section, and Baseline and Topo/Elevations within Right of Way, including Tree Locations with descriptions (type), size, and canopy
- 3845 NW 35 Avenue – Boundary Survey
- Douglas Road Metro Rail Station Boundary Survey - Topo - Research - Legal Descriptions
- Miami International Airport Project "L-157-A" – Verify Horizontal and Vertical Control and utility Control / Quality Assurance (Q/A-Q/C)
- MIA Reconnaissance of monumentation for airside Miami International Airport
- MIA Perimeter Road – Boundary and Topographic Survey
- Fruit and Spice Park Expansion– Boundary Survey; Location of Buildings, Fences and Trees.

Client Reference

Miami-Dade County Department of Transportation and Public Works (DTPW)

Luis Lacau, PLS

Head of Special Projects and Survey Section

111 NW 1st Street, Suite 1620

Miami, FL 33128

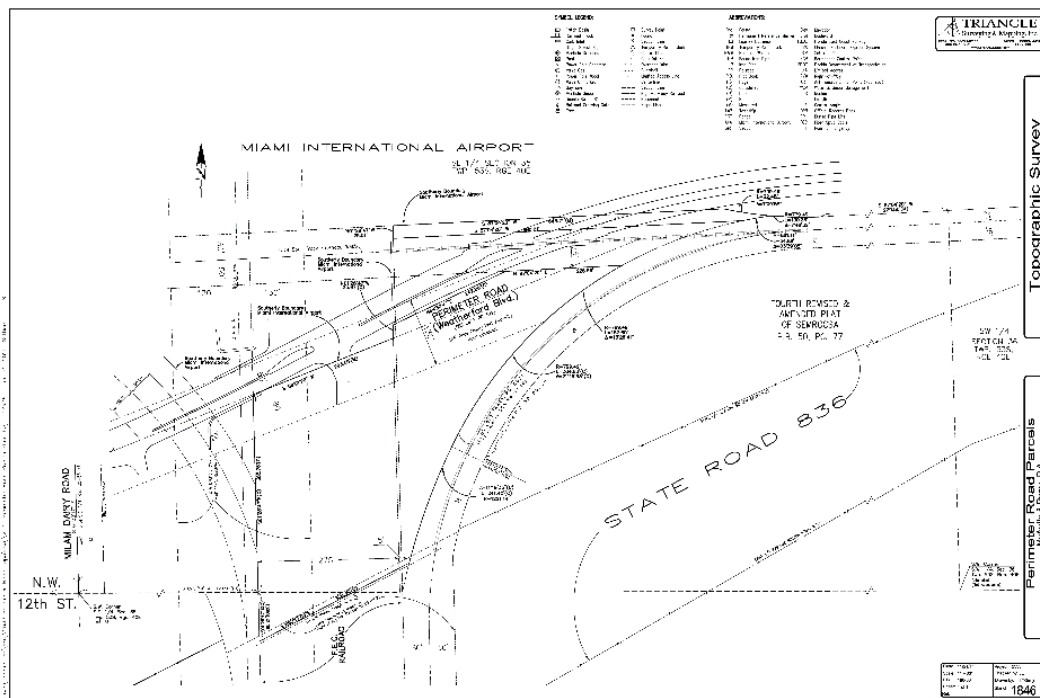
Phone No.: 305.375.5774

Email: Luis.Lacau@miamidade.gov

Performance Period:

2006 to Present

Total Amount of the Contract



FDOT DISTRICT 6, RIGHT OF WAY MAPPING AND SURVEY CONSULTANT
 Miami-Dade and Monroe Counties, FL

Maser Consulting has been performing Right of Way Mapping and Surveying Consultant Services required consisting of field surveys for Right of Way Mapping and Design projects. Survey assignments include re-establishment of survey baselines, establishing primary and secondary horizontal and vertical control points, permanent benchmarks, Digital Terrain Models (DTM), Topography, Drainage Surveys, bridge data, maps, sketches and legal descriptions. Design Survey includes: Geodetic Control; Project Network Control Sheet; Alignments; Bench Levels; Topography; Roadway DTM and Tin Models; Side Street Surveys; Underground Utilities; Drainage Survey; Bridge Data Survey; Outfall, Detention and Mitigation Survey; and Stakeout of Borings. Right-of-Way Surveys include elements of Design survey as well as Section Ties; Subdivision Ties; Maintained Right of Way Survey; Building Ties; and Jurisdictional Line Survey; Right of Way Maps.

Client Reference

Victor M. Marrero, PSM, District R/W Surveyor

Florida Department of Transportation District 6

1000 NW 111th Avenue

Miami, FL 33172

Phone No.: 305.470.5194

Email:

victorm.marrero@dot.state.fl.us

Performance Period:

6/2010 to Present

Total Amount of the Contract

\$1,500,000



VIRGIN MIAMI CENTRAL - ALL ABOARD FLORIDA (AAF) Miami, FL

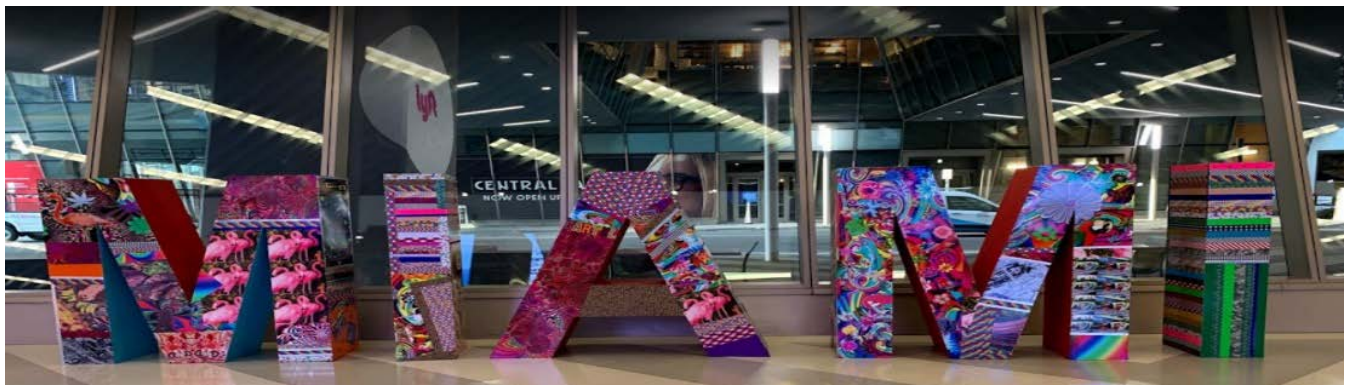
Virgin Miami Central, is a mixed-use railroad station development in the Government Center district of Downtown Miami. Currently, the station serves an inter-city rail service named Virgin Trains USA (formerly known as Brightline) and connects to the adjacent Government Center station serving Metrorail, Metro Mover, bus lines and Tri-Rail commuter rail. The 9-acre complex is a quarter of a mile long, 7 stories tall with three towers looming from its foundations and includes 3 million square feet of residential, office, commercial, and retail development. The station was built by All Aboard Florida, a subsidiary of Florida East Coast Industries (FECI) overseeing Virgin Trains USA.

Maser Consulting began this project in August 2014. The preparatory work began with the removal of parking lots that had previously been located on the site of the Flagler Railroad Miami Rail Yards. Maser Consulting was hired by Suffolk Construction to create the construction control based on an extensive boundary analysis that including location of the existing railroad tracks, utility locations (above and below grade), right of way for all adjacent city, state roads and railroad that were impacted by the new construction. The design of the station includes aerial easements over and across city right of way. The project site is located between NW 3rd Street to the south, north to NW 8th Street between NW 1st Avenue and NW 2nd Avenue containing more than 740,000 square feet at ground level. Miami Central, the Brightline tracks and station is elevated 50 feet to align with existing public transportation, with retail spaces beneath the tracks. The alignment of the new construction to the existing structures was just one of the many tasks that

Client Reference:
Florida East Coast Industries
Elizabeth Lamborgani (Suffolk
Construction)
701 Waterford Way, Suite 450
Miami, FL 33126
Phone No.: 954.410.7382
Email: ELamborgani@Suffolk.com

Performance Period:
08/2014 - Present

Total Amount of Contract:
\$1,116,850



Maser Consulting performed. Construction of the facility began in mid-2015 when subterranean support pilings began to be installed.

Maser Consulting was hired by Keller (HJ Foundation) for foundation layout, as built and redesign. More than 1600 piles were installed to support the massive structure. Along with the piles, further surveying support was needed for the layout of the pile caps and main support columns located throughout the entire site. Construction of the elevated structure included 2 residential towers, a transportation hub, and 2 additional buildings, 2 Miami Central and 3 Miami Central.



Maser Consulting was the project surveyor for all the construction performed by Suffolk Construction and the Subcontractors for this project. Our scope of services includes vertical and horizontal control, construction as built, utility layout and as built along with utility easements. We controlled and monitored 99 Metro Rail and Metro Mover columns adjacent to and within the project footprint monthly for 5 years for vibration and movement In support of the construction layout, interim construction as built were required for the elevated external steel support decks and complex architectural design. To accomplish this task High Definition 3D scanning was performed on numerous occasions. The point cloud was registered and aligned to the project horizontal and vertical control. The point cloud was then imported into the project REVIT BIM model for confirmation that the as built conditions were aligned to the plan geometry.

FDOT DISTRICT 1, D/W SUBSURFACE UTILITY DESIGNATE, LOCATE AND COORDINATION Bartow, FL

Maser Consulting was elected for an intersection and street lighting improvement contract within a known congested utility corridor. The project consisted of minor intersection improvements, lighting upgrades, and other miscellaneous traffic operations and safety improvements. Our team is responsible for completing all designating, locating and ground penetrating radar services for existing surface and subsurface utilities in support of the design and construction. Our associates provided Quality Level B (2-D collection of existing utilities or selected 3-D verification) and Quality Level A (obtaining 3-D location, size, type and condition of existing utility through non-destructive utility excavation) Subsurface Utility Engineering in accordance with ASCE/CI 38-02. Maser Consulting utilized a variety of geophysical prospecting equipment including but not limited to: variable frequency Ground Penetrating Radar (GPR) systems, single and multi-frequency radio-frequency pipe and cable locators(PCLs), sondes, and sub-aqueous utility detection equipment to accurately designate utilities. Maser staff have received extensive training in designating toneable and non-toneable utilities, as well as safely exposing and locating existing facilities on each of the project assignments. This contract involved multiple utilities located within congested right of ways. Due to the utility congestion, it is critical to follow an ordered process to avoid bleed-over situations and other inaccuracies when designating utilities.

Client Reference

FDOT District 1

Joseph C. Glorioso, Utility Project
Manager IV/ Construction Liaison

FDOT District 1

801 N. Broadway Avenue

Bartow, FL 33830

Phone No.: 863.519.2418

Email: joseph.glorioso@dot.state.fl.us

Performance Period:

2017 to Present

Total Amount of the Contract

\$1,500,000

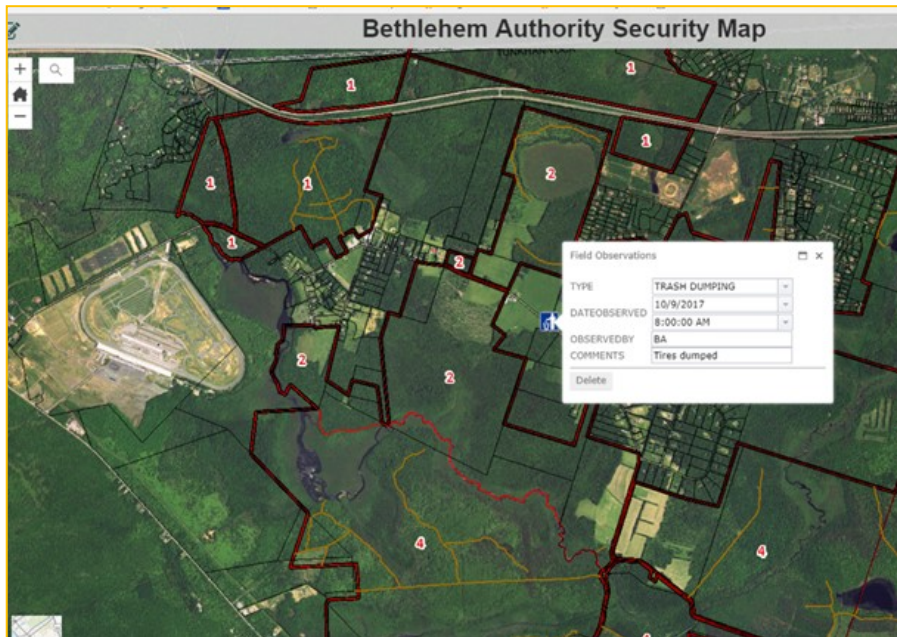


Maser's designating process begins with identifying and marking the most conductive utilities such as communications and cable television utilizing a RD8100 PCL. It is important to identify these utilities first as they are the most likely utilities to cause bleed-over. An RD5000 high-frequency PCL is used for locating metallic pipes with gasketed joints. GPR is also used during all designating activities to investigate for unknown utilities, non-toneable/non-conductive utilities, and subsurface obstructions after all toneable

utilities have been identified. Vacuum excavation was used on this contract to provide clearings for sign and lighting foundations as well as identify size, material, depth, and condition of existing utilities found to be in conflict with the design. Maser's vacuum excavation equipment is custom manufactured to provide exceptional performance in a small package on a smaller chassis than many other vacuum excavation units to safely expose utilities, allow more versatility, and reduce impacts to sidewalks and greenways.

UAS Violation Detection & GIS Web Map Dashboard

Bethlehem City, Lehigh County, PA



Project Highlights

Client:

Bethlehem Authority
10 E. Church Street, Room B311
Bethlehem, PA 18018

Contact:

Stephen Repasch, Executive Director

Phone:

610.865.7090

Consulting Value:

\$24,000

Completion:

2018

Project Description

Bethlehem Authority maintains 26,000 acres of watershed that services the Lehigh Valley of Pennsylvania. There have been many incidents of trespassers and ATV riders on the property that have caused deforestation and wildfires, among other problems. Maser Consulting was contracted to introduce the Authority to an in-house unmanned aerial system (UAS) program to manage trespassers by providing a GIS web dashboard that consumes drone data and boots on the ground investigation data. The GIS program, coupled with the drone initiative, has given the Authority the tools to support incarceration of trespassers to its property.

The online GIS program allows the Authority directors a real-time view of incidents that support corrective action to maintain the pristine environments for which they are responsible. The image above demonstrates the GIS web program that is currently being used by the Authority. At the completion of the UAS and GIS program implementation, training of staff and standard operation procedures were handed over to the Authority. We continue to support our client with new technology and onboard training for new employees.

Services Provided

- GIS Asset Management Services
- Unmanned Aerial Systems Survey

Brick MUA GIS Facility & Asset Management Program

Brick Township, Ocean County, NJ

Project Highlights

Client:

Brick Township Municipal Utilities Authority
1551 Highway 88 West
Brick, NJ 08724

Contact:

Gary Vaccaro, Director of Compliance, Safety & GIS

Phone:

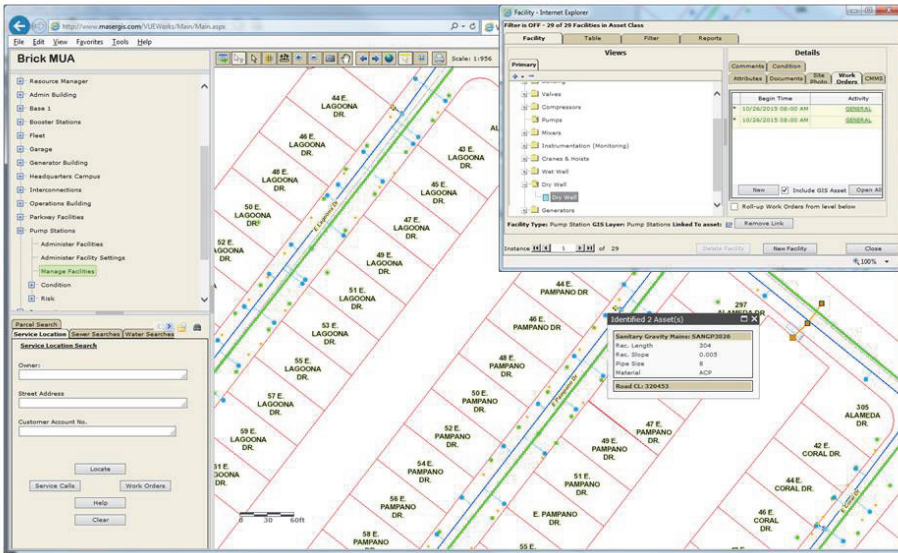
732.458.7000

Consulting Value:

\$122,000

Completion:

2015



Project Description

Created a GIS Facility & Assessment Management Program for the Brick Township Municipal Utilities Authority (BTMUA) to enhance the efficiency of public service requests, operation and maintenance of facility plants, and sanitary sewer collection system by integrating a web-based mobile asset management solution. When creating the program, our professionals interviewed key professionals in various departments, gathered existing procedural documents, inventoried software use, and noted daily processes and procedures. This information was then used to develop the recommendations for an asset management program that would improve the efficiency of O&M procedures across multiple departments.

Treatment plant facilities for water and sewer will be managed through the system, as will tracking equipment inspections and work requests. Integration of the BTMUA's Geographical Information System mapping will allow end-users to search facilities and assets to review historic documents and pending operation and maintenance requests.

Services Provided

- GIS/Asset Management Services

Cornwall-on-Hudson MS4 Mapping Project

Village of Cornwall-on-Hudson, Orange County, NY



Elements now tracked by MS4 mapping services

Project Highlights

Client:

Village of Cornwall-on-Hudson
325 Hudson Street
Cornwall-on-Hudson, NY 12520

Contact:

Brendan Coyne, Mayor

Phone:

845.534.4200

Consulting Value:

\$89,000

Completion:

2017

Project Description

Provided GIS services to the Village of Cornwall-on-Hudson to map the municipal facilities, storm sewer system, and additional elements for watershed improvement strategy areas to achieve pollutant load reduction. Mapped elements included type of conveyance system; closed pipe; open drainage; outfalls, drop inlet, catch basin, and manhole locations; number of connections to catch basins and manholes; and direction of flow.

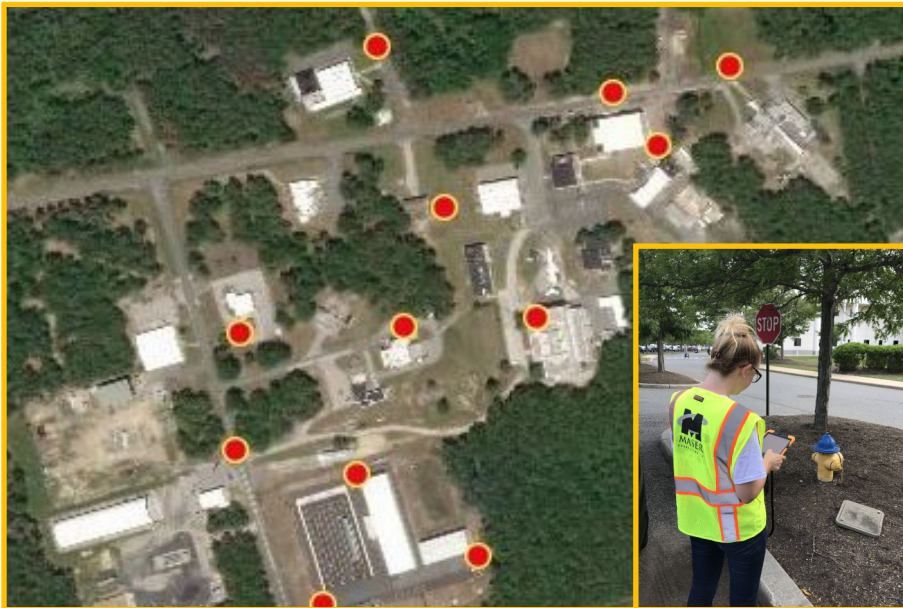
The project will improve water quality by not only allowing the Village to track the source of observed dry weather flow at outfalls, but also to manage the tracking process. Implementing this project will track potential sources of discharge pollutants and reduce stormwater pollutant runoff, which will have the potential to impact the 1.75 miles of streams located within the Village, the Hudson River, and waterbodies impacted by the Village's stormwater by reducing contamination. Mapping created for this project will satisfy the NYSDEC SPDES Part IX.A.3.a and Part VIII.A.3 Water Quality Improvement Project (WQIP).

Services Provided

- GIS Services

Federal Aviation Administration Asset Management

Atlantic City, Atlantic County, NJ



Project Highlights

Client:

Federal Aviation Administration
William J. Hughes Technical Center
Bldg 305, ANG-E342
Atlantic City International Airport
Atlantic City, NJ 08405

Contact:

David D. Smith, PE

Phone:

609.485.5966

Consulting Value:

\$652,000

Completion:

Ongoing

Project Description

Maser Consulting is providing multi-discipline A&E services to the Federal Aviation Administration (FAA) as part of a five-year contract at the William J. Hughes Technical Center (WJHTC). The FAA is responsible for facility management of buildings and site infrastructure at the 5,000-acre campus. Phase I of the project began with the FAA providing existing utilities from their GIS to allow our team to plan the field investigation. Within four days, our team inspected over 800 assets ranging from sanitary sewer pump stations and manholes, to electrical substations, transformers, and meters, stormwater inlets/catch basins, security cameras, fire hydrants, sidewalks, roads, parking lots and more. Mobile and web-based GIS mapping applications were used to perform the field inspections. The GIS-based mobile inspection forms enabled our inspection teams to use their mobile devices to view individual inspection assignments in real time and to navigate to the assets within the facility. Performing the inspections using these GIS applications on a mobile device streamlined the process of collecting the data in the field, analyzing the data in the office, and incorporating the field data into the final GIS data deliverables.

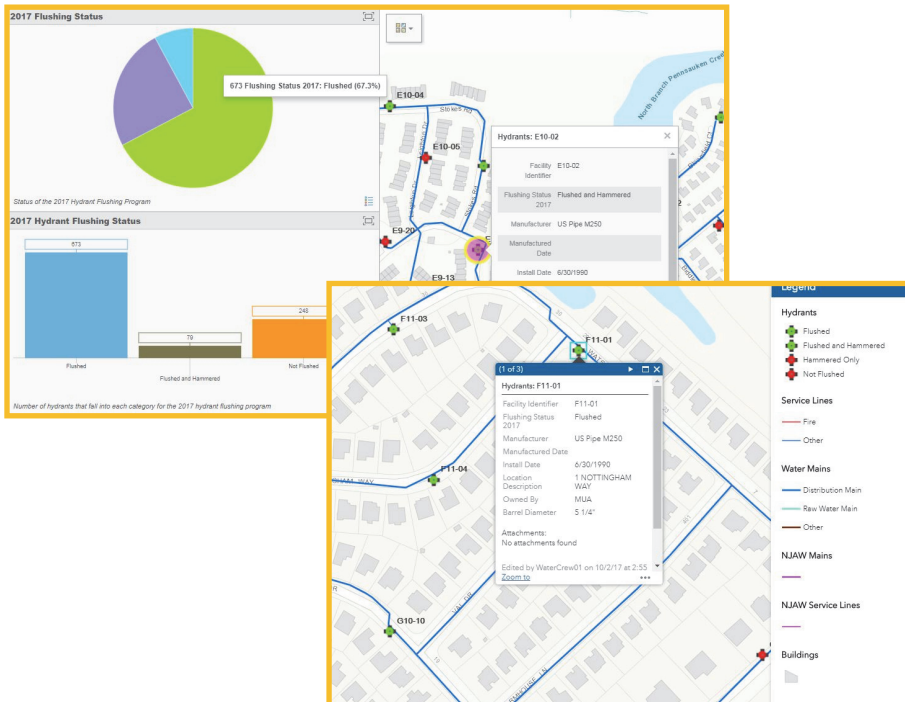
Phase II of the project includes the analysis of field inspection data, such as condition assessment and importance factors necessary to develop a 20-Year Master Plan Report for the WJHTC facility. The data collected during the field investigation was critical to the development of design through construction cost estimates for recommended electrical, civil/site, water/wastewater, communications, security, infrastructure projects.

Services Provided

- GIS Asset Management
- Electrical Engineering
- Water/Wastewater Engineering
- Civil/Site Engineering

Mount Laurel MUA On-Call GIS Services

Mount Laurel Township, Burlington County, NJ



Project Highlights

Client:

Mount Laurel Township
1201 South Street
Mount Laurel, NJ 08054

Contact:

Robert Adler, Operations Engineer

Phone:

856.234.0062

Consulting Value:

\$167,000

Completion:

Ongoing

Project Description

Performed a GIS Needs Assessment to identify and address gaps between the current use of GIS and the desired use of GIS at the Mount Laurel Township Municipal Utilities Authority. The Needs Assessment included a review of existing hardware, software, data, people, and business processes. A GIS Implementation Plan was prepared and is being implemented.

As part of the GIS Implementation Plan, our team has configured ArcGIS Server and implemented a web GIS which includes web maps of the water distribution, sanitary sewer, and stormwater systems. The web GIS has been extended to the field staff through the Esri Collector for ArcGIS application, which allows field staff to view and/or edit the GIS in real time. A dashboard view, which allows office staff to view field operations in real time, was configured using Esri's Operations Dashboard for ArcGIS. Our team has also implemented the use of centimeter grade, real time GPS equipment. The Eos Arrow Gold equipment was selected due to integration with Esri's applications. The Arrow Gold has been configured to access a virtual reference station (VRS) which allows for real time, centimeter grade data collection.

Services Provided

- GIS Mapping

Sea Bright Geographic Information System Development

Borough of Sea Bright, Monmouth County, NJ



Project Highlights

Client:

Borough of Sea Bright
1167 Ocean Avenue
Sea Bright, NJ 07760

Contact:

Dina Long, Mayor

Phone:

732.842.0099

Consulting Value:

\$20,550

Completion:

2015

Project Description

Conducted a needs assessment study to review current operations within Sea Bright as they relate to the use of geographical information system (GIS) technology for property management and emergency response. Our professionals compiled a GIS database of existing asset data from local, county, and state initiatives, and an implementation plan was provided to direct the Borough on implementing GIS Borough-wide.

Project deliverables will support the Borough's future decision-making for facilities, capital programming, planning, zoning, public works, and emergency response. The project was funded by a Post-Sandy Planning Assistance Grant that the Borough received, following Community Development Block Grant Disaster Recovery (CDBG-DR) regulations and the New Jersey DCA (HUD).

Services Provided

- GIS/Asset Management Services

Stoner & Associates, Inc.
Project Information List

Town of Davie

6901 Orange Drive, Davie, FL 33314

Keith Pursell (954)797-1191

Vista Filare Drainage Interconnect	Design Survey
Hiatus Isles	Sketch & Legal Description
Royal Palm Estates	Sketch & Legal Description
S.W. 44 th Street Drainage Study	Topographic Survey
Reese Road Retention Area	Topographic Survey
Agricultural Lift Station	Design Survey
Generator Sites	Topographic Survey
Eastside Neighborhood Improvement Program	Topographic Survey
Oakes Road Fire Station	Boundary Survey
Lift Station Number 11 Improvement Project	Topographic Survey
Silver Lakes Park	Construction Layout Survey
Wachovia Bank Parcels	Boundary/Topographic/Tree
Parks & Recreation Building at Pine Island Park	Topographic Survey
Orange Drive Site	Topographic & Tree Surveys
Eastside Community Hall	Topographic & Tree Surveys
N-20 Canal	Topographic Survey
Public Works Gas Pump Station	Topographic Survey
S.W. 130 th Avenue Canal	Topographic Survey
Sunny Lake Expansion	Boundary Survey
Sunnyland Bird Sanctuary	Construction Layout Survey
Devine Property	Boundary Stakeout

City of Plantation

400 NW 73rd Avenue, Plantation, FL 33317

Brett W. Butler (954)797-2282

Park East Traffic Calming Improvements	Design Survey
Plantation Acres City Limits	Boundary Survey
Plantation Park Traffic Calming Improvements	Plat
City Park at S.W. 13 th Street	Boundary Survey
Patios in the Park	Topographic Survey
Hiatus Road & Pine Island Road	Sketch & Legal Descriptions
S.W. 2 nd Court Drainage Improvements	Topographic Survey
El Dorado Estates Drainage Improvements	Topographic Survey
El Dorado Estates Intersection Improvements	Topographic Survey
Volunteer Park	Sketch & Legal Descriptions
Tax Parcels	Sketch & Legal Descriptions
Kennedy Community Center	General Surveying
C-12 South Canal Bank	General Surveying
Fort Lauderdale Country Club	Boundary & Topographic Surveys

Federation Holdings Parcels
 Funkingz, Inc. Property
 Country Club Murt

Boundary Survey
 Topographic Survey
 Topographic Survey

American Heritage School

***12200 W. Broward Boulevard, Plantation, FL 33325
 Bill Laurie (954)472-0022***

Comprehensive Overall Survey of the Plantation Campus. The survey covered the 37.0 acres that make up the Plantation Campus. The survey includes all of the surface improvements, the boundary of the campus, topographic data, tree locations and the location of underground utilities. This survey is continually being updated as new improvements are added frequently. Last updated in 2020.

Chen Moore and Associates, Inc.

***500 W. Cypress Creek Road, Suite 630, Fort Lauderdale, FL 33309
 Peter Moore (954)730-0707***

City of Deerfield Beach Cove Gardens Drainage	Topographic Survey
City of Miami Lakes Lake Patricia Drive	Topographic Survey
City of Pompano Beach Land Use District	Specific Purpose Survey
Lauderdale-by-the-Sea Tradewinds Avenue	Topographic Survey
City of Miami Gardens 42 nd Avenue Bridge	Design Survey
City of Riviera Beach Lift Station No. 33	Topographic Survey
City of Plantation Point Neighborhood	Topographic Survey

Broward College

3501 W. Davie Road, Davie, FL 33314

BC North Campus:

- Comprehensive Overall Survey of Broward College North Campus. The survey covered the 113.7 acres that make up the Central Campus. The survey included all of the surface improvements, the boundary of the campus, topographic data, tree locations and the location of underground utilities. The survey was completed in 2010.

BC Central Campus:

- Comprehensive Overall Survey of Broward College Central Campus. The survey covered the 147.5 acres that make up the Central Campus. The survey included all of the surface improvements, the boundary of the campus, topographic data, tree locations and the location of underground utilities. Aerial mapping combined with ground surveys was utilized to collect surface data. The survey was completed in 2008.
- As-Built Survey of Central Campus Police Vehicle Parking Area. Post construction as-built survey of newly constructed improvements. Overall campus survey was updated to reflect

the new improvements and a separate survey drawing was also produced. The survey was completed in 2013.

- **Topographic Survey Mater Drainage Plan Central Compass.** Topographic survey to support the area computation and future design of drainage and retention improvements. The survey included detailed topographic data and as-built measurements of existing drainage structures. The survey was completed in 2013.

BC South Campus:

- **Comprehensive Overall Survey of Broward College South Campus.** The survey covered the 102.8 acres that makeup the South Campus. The survey included all of the surface improvements, the boundary of the campus, topographic data, tree locations and the location of underground utilities. The survey was completed in 2010.
- **Topographic Survey North Lake South Compass.** Topographic survey to support the design of new improvements. The survey included topographic data, tree locations, the location of underground utilities and the lake. The survey was completed in 2013.
- **Topographic Survey Future Chiller Plant South Compass.** Topographic survey to support the design of new improvements. The survey included topographic data, tree locations and the location of underground utilities. The survey was utilized to route chiller piping and plan Plant facilities. The survey was completed in 2014.

BC All Campuses:

- **Specifications for Land Surveys all Broward College Project.** We developed standards and specifications for surveys and survey drawings to be utilized by consultants hired by the college. We also created a standard survey prototype AutoCAD drawing and symbols with attributes. The specifications were completed in 2014.

COMPLETE THE PROJECT TEAM FORM ON THE ATTACHMENTS TAB IN THE EBID SYSTEM. PROPOSERS ARE TO COMPLETE FORM IN ITS ENTIRETY AND INCLUDE THE FORM IN YOUR PROPOSAL THAT MUST BE UPLOADED TO THE RESPONSE ATTACHMENTS TAB IN THE EBID SYSTEM.

PROJECT TEAM

SOLICITATION NUMBER E-21-20

Federal I.D.# 22-2651610

PRIME

Role	Name of Individual Assigned to Project	Number of Years Experience	Education, Degrees
Principal-In-Charge	<u>John A. Liptak, PSM</u>	<u>52</u>	<u>High School</u>
Project Manager	<u>Daniel M. Checchia</u>	<u>20+</u>	<u>A.A.</u>
Asst. Project Manager	<u>Aimara Diaz La Rosa, PSM</u>	<u>20+</u>	<u>B.A.</u>
Other Key Member	<u>Denis A. Denis, PSM, PE</u>	<u>12</u>	<u>B.S.</u>
Other Key Member	<u>Jose Morales, PSM</u>	<u>18+</u>	<u>B.S.</u>

SUB-CONSULTANT

Role	Company Name and Address of Office Handling This Project	Name of Individual Assigned to the Project
Surveying	<u>Stoner & Associates, Inc.</u> <u>4341 SW 62 Avenue, Davie, FL 33314</u>	<u>James D. Stoner, PSM</u>
Landscaping	_____	_____
Engineering	_____	_____
Other Key Member	_____	_____
Other Key Member	<u>Stoner & Associates, Inc.</u> <u>4341 SW 62 Avenue, Davie, FL 33314</u>	<u>Richard G. Crawford, Jr., PSM</u>
Other Key Member	<u>Stoner & Associates, Inc.</u> <u>4341 SW 62 Avenue, Davie, FL 33314</u>	<u>Walter De La Rocha, PSM</u>

(use attachments if necessary)

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PROJECT TEAM

SOLICITATION NUMBER E-21-20

Federal I.D.# 22-2651610

PRIME

Role	Name of Individual Assigned to Project	Number of Years Experience	Education, Degrees
Principal-In-Charge	_____	_____	_____
Project Manager	_____	_____	_____
Asst. Project Manager	_____	_____	_____
Other Key Member	Michael Cardo, PSM	13	B.S.
Other Key Member	Michael Ehrhart, PSM	13	B.S.

SUB-CONSULTANT

Role	Company Name and Address of Office Handling This Project	Name of Individual Assigned to the Project
Surveying	_____	_____
	_____	_____
Landscaping	_____	_____
	_____	_____
Engineering	_____	_____
	_____	_____
Other Key Member	_____	_____
	_____	_____
Other Key Member	_____	_____
	_____	_____
Other Key Member	_____	_____
	_____	_____

(use attachments if necessary)

COMPLETE THE PROJECT TEAM FORM ON THE ATTACHMENTS TAB IN THE EBID SYSTEM. PROPOSERS ARE TO COMPLETE FORM IN ITS ENTIRETY AND INCLUDE THE FORM IN YOUR PROPOSAL THAT MUST BE UPLOADED TO THE RESPONSE ATTACHMENTS TAB IN THE EBID SYSTEM.

PROJECT TEAM

SOLICITATION NUMBER E-21-20

Federal I.D.# 22-2651610

PRIME

Role	Name of Individual Assigned to Project	Number of Years Experience	Education, Degrees
Principal-In-Charge	_____	_____	_____
Project Manager	_____	_____	_____
Asst. Project Manager	_____	_____	_____
Other Key Member	R. Wyatt Altman, PSM	11	B.S.
Other Key Member	Suzanne Zitzman, GISP	31	A.A.S.

SUB-CONSULTANT

Role	Company Name and Address of Office Handling This Project	Name of Individual Assigned to the Project
Surveying	_____	_____
Landscaping	_____	_____
Engineering	_____	_____
Other Key Member	_____	_____
Other Key Member	_____	_____
Other Key Member	_____	_____

(use attachments if necessary)

COMPLETE THE PROJECT TEAM FORM ON THE ATTACHMENTS TAB IN THE EBID SYSTEM. PROPOSERS ARE TO COMPLETE FORM IN ITS ENTIRETY AND INCLUDE THE FORM IN YOUR PROPOSAL THAT MUST BE UPLOADED TO THE RESPONSE ATTACHMENTS TAB IN THE EBID SYSTEM.

PROJECT TEAM

SOLICITATION NUMBER E-21-20

Federal I.D.# 22-2651610

PRIME

Role	Name of Individual Assigned to Project	Number of Years Experience	Education, Degrees
Principal-In-Charge	_____	_____	_____
Project Manager	_____	_____	_____
Asst. Project Manager	_____	_____	_____
Other Key Member	Michael Kolody	14	B.A.
Other Key Member	Megan Turi	5	B.S.

SUB-CONSULTANT

Role	Company Name and Address of Office Handling This Project	Name of Individual Assigned to the Project
Surveying	_____	_____
Landscaping	_____	_____
Engineering	_____	_____
Other Key Member	_____	_____
Other Key Member	_____	_____
Other Key Member	_____	_____

(use attachments if necessary)

COMPLETE THE PROJECT TEAM FORM ON THE ATTACHMENTS TAB IN THE EBID SYSTEM. PROPOSERS ARE TO COMPLETE FORM IN ITS ENTIRETY AND INCLUDE THE FORM IN YOUR PROPOSAL THAT MUST BE UPLOADED TO THE RESPONSE ATTACHMENTS TAB IN THE EBID SYSTEM.

PROJECT TEAM

SOLICITATION NUMBER E-21-20

Federal I.D.# 22-2651610

PRIME

Role	Name of Individual Assigned to Project	Number of Years Experience	Education, Degrees
Principal-In-Charge	_____	_____	_____
Project Manager	_____	_____	_____
Asst. Project Manager	_____	_____	_____
Other Key Member	Robert Kriskowski	13	M.A. / B.S.
Other Key Member	Patrick Senne	32	B.S.
Other Key Member	Michael Calvo	18	High School

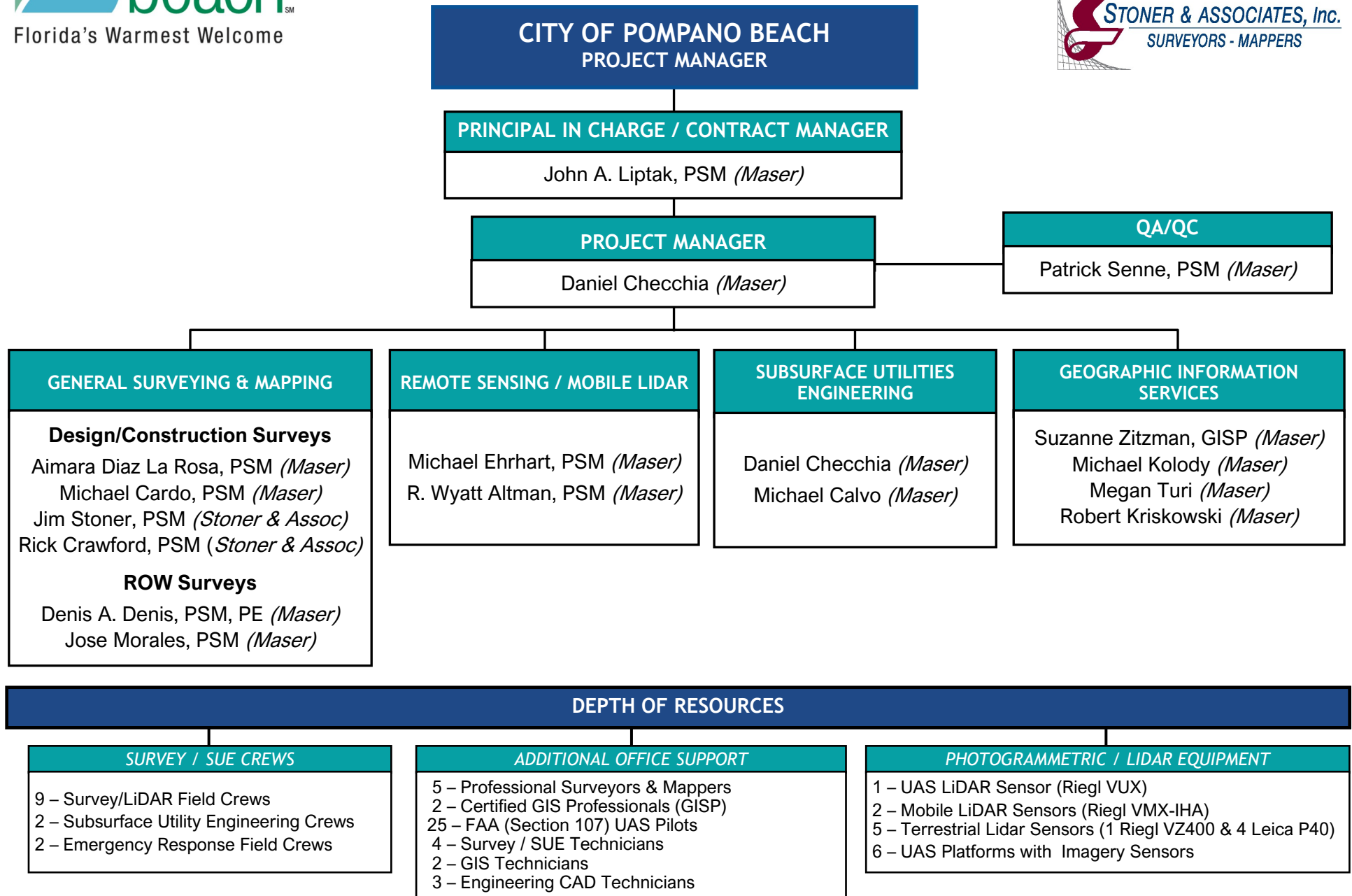
SUB-CONSULTANT

Role	Company Name and Address of Office Handling This Project	Name of Individual Assigned to the Project
Surveying	_____	_____
Landscaping	_____	_____
Engineering	_____	_____
Other Key Member	_____	_____
Other Key Member	_____	_____
Other Key Member	_____	_____

(use attachments if necessary)



Organizational Chart E-21-20: Continuing Contracts for Professional Surveying and Mapping Services



Statement of Skills and Experience of Project Team

Maser Consulting has assembled an exemplary team and we will strive to exceed the requirements for professional services included in the RFQ. Our capacity to accomplish work in the required time is directly related to the quantity and quality of resources and the commitment of our team to meet City of Pompano Beach's needs. Maser Consulting understands the importance of representing the best interests of the City of Pompano Beach through this on-call services contract. We are committed to establishing a long-term relationship with the City by providing consistent and repeatable services, leveraging the talent of our staff, utilizing emerging technology, and applying a proven contract management approach. This proposal highlights our experience and ability to perform multiple services under this contract.

THE MASER CONSULTING TEAM

Maser Consulting was established in 1984 in Red Bank, New Jersey and has built a great reputation with our clients by focusing on our core values: **responsiveness, customer service, quality, accountability, integrity and safety**. Along with overall project management, Maser Consulting will provide a complete suite of traditional Land Surveying and Mapping services; Subsurface Utility Engineering (SUE), including designating, locating and Ground Penetrating Radar (GPR); Geographic Information Services (GIS), including spatial database design and maintenance, cartographic support, and GIS analysis; Asset Inventory Services, including transportation asset collection, stormwater asset collection, and asset conditioning; Mobile LiDAR; Terrestrial LiDAR; and UAV LiDAR with high resolution digital imagery to the City of Pompano Beach for this continuing on-call Continuing Contract for Professional Surveying and Mapping Services.

This contract will be managed from our Delray Beach, Florida office - 1615 South Congress Avenue, Suite 103, Delray Beach, FL 33445 - which is approximately 16 miles and less than 20 minutes' drive from the City of Pompano Beach's administrative and public works buildings. From this office we can deploy 2 survey crews, 1 SUE designating crew (each crew outfitted with GPR and a full suite of geophysical prospecting equipment) and 1 SUE locating crew with vacuum excavation trucks, 1 mobile LiDAR system and multiple UAS platforms capable of capturing design grade accuracy survey data and asset inventory features to directly service this contract. Our available capacity and services are reinforced by Florida licensed professionals and staff from our four other Florida office locations (Miami, Orlando, Tampa and Jacksonville) as well as by discipline experts companywide. Utilizing our established workflows, integrated technology and communication protocols, staff in multiple offices can work collaboratively with local project managers, which allows projects to be reviewed by industry experts, while leveraging staff capacity to quickly respond to the City's needs and expedite project schedules, as necessary.

Stoner & Associates, Inc., founded in September of 1988 by James D. Stoner, PSM, provides quality Land Surveying services, while utilizing the latest technology and techniques. Stoner & Associates, Inc. is a Professional Land Surveying Consultant to most municipalities and numerous governmental agencies and private clients within the Tri-County Area, including Broward County Aviation Department, South Florida Water Management District, Broward College, Town of Davie, City of Fort Lauderdale and City of Sunrise. Stoner & Associates, Inc. will provide survey support including Boundary, Topographic, Engineering Design, Construction, Environmental Support, Platting, Specific Purpose and Utility Surveys, as required per task.

TEAM DISCIPLINES

Land Surveying

Maser Consulting and our subconsultant, Stoner & Associates Team have extensive South Florida and key team members have collaborated on past projects. Along with conventional Land Surveying and Mapping methods, our Team is well versed in the latest technologies, such as hi-definition laser scanners and UAS platforms, which enable our surveyors to safely and efficiently collect data for a wide variety of infrastructure projects including buildings, utility assets, bridges, structures, and transportation facilities.



The types of Land Surveying and Mapping projects anticipated for this contract include: Control Surveys; R/W Mapping; Maintained R/W Maps; Legal Description and Sketches; R/W Stake-Outs and Controls; R/W Mapping Assurance Checklists; Boundary, Topographic and As-Built surveys; Construction layout; QA/QC; and Platting reviews for Pompano Beach utilizing Platting Assurance Checklists. All work will be based on the current requirements, procedures and checklists for the City of Pompano Beach and performed in accordance with the Standards of Practice for Surveying and Mapping in the State of Florida. Deliverables will be prepared in Autodesk Civil 3D format and will include all associated checklists and certified Surveying and Mapping Reports.

Remote Sensing & Mobile LiDAR

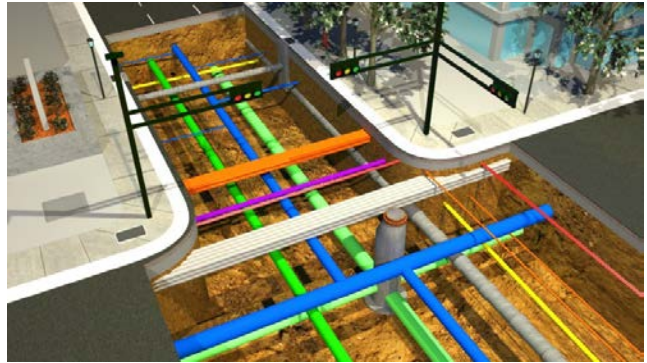
In addition to the above, Maser Consulting will provide remote sensing and LiDAR services utilizing a combination of our available Mobile, UAS or Terrestrial LiDAR platforms to provide design grade design survey data for site, facility, structure, and stormwater/waterline/and sanitary sewer infrastructure upgrades and for transit/transportation related resurfacing, complete street, bike and pedestrian safety, ADA compliance, guard rail clearance, and asset inventory projects.



Subsurface Utility Engineering (SUE)

Maser Consulting provides subsurface utility engineering and management services that support a wide range of clients including project planners, engineers, designers, contractors and environmental consultants. We rely on our extensive experience and advanced industry technology to ensure our clients receive the most complete and up to date underground utility data possible. Following the SUE process

is a proven cost-effective way to reduce unnecessary utility re-location efforts by accurately mapping existing utilities for the purpose of identifying potential conflicts and impacts to proposed infrastructure design and resolving these conflicts using the most cost-effective engineering solution. Having accurate underground utility information significantly reduces or eliminates potentially costly delays and change orders for re-design and safety risks for excavator crews. Our team of professionals provides SUE support services by adhering to the American Society of Civil Engineers (ASCE) Standard 38-02 “Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data.”



Since not all utilities can be detected by just one piece of equipment, we employ multiple geophysical prospecting technologies to ensure that every client receives the most complete results possible, including: **Electromagnetic Utility Location** – used to accurately locate and identify conductive underground utilities (electric, gas and telecommunication lines) and metallic pipes and **Ground Penetrating Radar (GPR)** – used to confirm designation results from the electromagnetic utility locators and locates hard-to-find metallic and non-metallic utilities such as plastic conduits, fiber optics, water and sewer lines that cannot be detected otherwise.



Geographic Information Systems (GIS)

Maser Consulting is a certified ESRI partner and our GIS expertise includes various aspects of utilizing web-based geographic information systems involving utilities, land use, property assessment, environmental and transportation assets. Our certified GIS professionals provide services from the initial GIS needs assessment, through development, implementation, and training. Our experience includes developing systems and tools such as enterprise databases, data management processes, server infrastructure, and custom web applications, needs assessment and implementation planning for a variety of client types such as; federal, county and local government, private utility companies and rail. Our GIS professionals have expertise in ESRI; AutoDesk; and Trimble software; facility and asset management; stormwater regulations; ASTM pavement inventory; and FHWA standard sign inventory.

Asset Inventory Services

Maser Consulting’s Asset Inventory project experience includes system-wide transportation and stormwater infrastructure database updates. We utilize state-of-the-art methods for mapping, data collection, asset condition, and risk inspections. Maser Consulting has performed the collection and mapping of infrastructure for hundreds of miles of roadways utilizing our Mobile LiDAR systems. The scopes for the projects typically included either creation of new or updates of existing GIS geodatabases to manage and provide condition assessment of the mapped roadway surface features including guard rails, ADA ramps, mast arms, bike and pedestrian safety signalization, curbing, medians, lanes, roadway shoulders and pavement markings. In addition, these databases may include curve advisory inspection data, matching curves to existing speed limit signs, guard rail height analysis, cross slope evaluation,

bridge and overhead structure clearance, pavement condition assessment and complete roadway sign inventories catalogued by MUTCD code and condition attributing to manage the maintenance of route networks.

PROJECT TEAM AND EXPERIENCE

Our team understands that this contract is intended to be all encompassing covering all types of professional survey related services. Maser Consulting has the experience and qualified team to support this contract, be it small or large projects/task work orders (TWO). This contract requires a Project Manager who is highly familiar with the specific requirements involved in providing surveying and mapping, GIS, remote sensing, and utility mapping services. **Daniel Checchia** will serve as the primary point of contact for this contract. Dan manages Maser Consulting's survey and SUE services in Broward and Palm Beach counties and has focused his career on supporting various municipal, transportation and utilities organizations throughout South Florida. Dan will be dedicated to the City, and is committed to remaining accessible, informed, responsive, and accountable for the Maser Consulting Team's service to the City. Additionally, Aimara Diaz La Rosa, PSM, assigned to this contract, will be available and responsive as secondary point of contact.

Our Maser Consulting Team Organizational Chart identifies key individuals from the Team who will be responsible for the various activities anticipated under this contract. If the need arises, the Project Team can be supported by a large staff of personnel from our Orlando, Tampa and Jacksonville offices. This is particularly important to maintain critical scheduling. It is the intent of the Maser Consulting Team to be available to the City on a moment's notice. To accomplish this, we will ensure that key personnel have the support that is required for each given project, even if it necessitates temporarily moving personnel from one office to another. Because of the depth of our team, work overloads are practically nonexistent. We have a strong reputation for performing work on multiple projects on schedule and within budget requirements.

AVAILABILITY

Our leadership team manages weekly utilization meetings with all key staff for the purpose of evaluating daily workload projections for the week ahead. Having these weekly operations meetings provides project managers the ability to forecast project completion dates and be able to rely on this information to keep projects on schedule. At present, our team in Delray Beach and our subconsultant have the capability and availability with current workload/backlog to provide over 50% of their time to the City of Pompano Beach under this contract and projections for the date of the notice to proceed for this contract. The percentage of availability is closer to 75% on average when projected out a year as requested in the RFQ. As each month progresses, the trend of the percentage of availability continues to increase.

PROJECT TEAM				
Firm Name	Key Personnel	Current Workload (%)	Projected Workload (%)	Resource Available (%)
Maser Consulting	John A. Liptak, PSM	20%	30%	50%
	Daniel M. Checchia	20%	20%	60%
	Aimara Diaz La Rosa, PSM	30%	30%	40%
	Denis A. Denis, PSM, PE	40%	40%	20%
	Jose Morales, PSM	40%	40%	20%

PROJECT TEAM				
Firm Name	Key Personnel	Current Workload (%)	Projected Workload (%)	Resource Available (%)
	Michael Cardo, PSM	40%	30%	30%
	Michael Ehrhart, PSM	30%	30%	40%
	R. Wyatt Altman, PSM	30%	40%	30%
	Suzanne Zitzman, GISP	30%	20%	50%
	Michael Kolody	30%	30%	40%
	Megan Turi	50%	30%	20%
	Robert Kriskowski	50%	30%	20%
	Patrick Senne, PSM	30%	40%	30%
	Lisa DeBenedetto	50%	30%	20%
Stoner & Associates, Inc.	James Stoner, PSM	20%	30%	50%
	Richard G. Crawford, Jr., PSM	30%	20%	50%
	Walter De La Rocha, PSM	30%	40%	30%

RESOURCES / EQUIPMENT

For your contract, we will provide not only the resources from our Delray Beach office, the dedicated office for your project, but we will also have access to the company's additional Florida offices along with the resources within the balance of our offices throughout the US and the local support of our subconsultant, Stoner & Associates, Inc.

Maser Consulting's management staff carefully allocates the firm's resources to address the constantly shifting market demand for projects. We promote a management philosophy that supports cross training our staff to prepare them to be available in short notice and to be qualified to support the variety of disciplines which have the potential to be included in City requested geomatic or survey/geospatial solutions for their projects. This enables Maser Consulting to maintain optimum utilization of highly trained individuals who provide resources for "Fast-Track" project completion. This approach has enabled us to maintain a steady stream of projects, while enabling us to allocate adequate resources to immediately respond to new Work Order assignments from the City.

Maser Consulting's Survey professionals utilize the latest equipment and systems available. The following is a list of the equipment that Maser Consulting owns and operates. All equipment is regularly serviced, and an extended warranty is purchased each year.

ROBOTIC TOTAL STATIONS

- (3) Trimble S5 2" DR Plus Robotic Units
- (3) Trimble S5 3" DR Plus Robotic Units
- (1) Trimble S6 1" High Precision Robotic Unit
- (2) Trimble S6 2" DR Plus Robotic Units
- (23) Trimble S6 3" DR Plus Robotic Units
- (1) Trimble S6 5" DR Robotic Unit
- (18) Trimble S7 1" DR Plus Robotic Units
- (5) Trimble S7 2" DR Plus Robotic Units
- (15) Trimble S7 3" DR Plus Robotic Units
- (6) Trimble S8 1" High Precision Robotic Units
- (1) Trimble S9 1" DR Plus Robotic Unit
- (1) Trimble VX 1" Scan Robotic Unit
- Leica TS 15A 1" R1000 Robotic Unit
- Leica TS 15P 1" R1000 Robotic Unit
- Leica TS 16 3" R500 Robotic Unit

- Leica TS 30P Robotic Unit

TOTAL STATIONS

- (2) Nikon Nivo 5M Series Instruments
- (2) Nikon Nivo 3M Series Instruments
- (1) Nikon DTM 322 Instrument
- (2) Nikon NPL Instruments
- (1) Nikon XS 2" Instrument
- (22) Topcon Stations with eyepiece
- (2) Leica Total Stations
- (3) Trimble M3 5" Instruments

DATA COLLECTION EQUIPMENT

- (34) Trimble TSC2 Data Collectors
- (99) Trimble TSC3 Data Collectors
- (7) Trimble TSC7 Data Collectors
- (8) Topcon FC500
- Topcon FC200 (+ GPS)
- Topcon FC500 (+ GPS)
- Leica CS20 ViVa Data Collector
- (71) Trimble Multi Track Prism Units
- (154) Trimble S6 Traverse Kits
- (77) Trimble S6 Power Kits

GPS EQUIPMENT

- (6) Topcon Hiper GA Systems
- (77) Trimble GPS Unit R10 Systems
- (6) Trimble GPS Unit R8 Model 2 Systems
- (22) Trimble GPS Unit R8 Model 3 Systems
- (2) Trimble GPS Unit R6 Systems
- (3) Leica SR530 GPS Units
- (1) Leica GX1230 GPS Unit
- (2) Pacific Crest RTK Radio Systems
- (20) Trimble RTK Radio HPB450 System

GPS BASE EQUIPMENT

- Trimble Net R3 CORS Base Station
- Trimble Net R9 CORS Base Station

LEVEL EQUIPMENT

- (37) Trimble DiNi 0.3mm Digital Levels
- (11) Nikon Auto Levels
- (21) Topcon Auto Levels
- (6) Sokkia Auto Levels
- Nebo 2 Meter Lighted Invar Rod
- Trimble 2 Meter Invar Rod LD12
- Trimble 3 Meter Invar Rod LD 13

LASER SCANNING MAPPING EQUIPMENT

- (2) Z&F 5010C Laser Scanners
- (2) Z&F 9012 Laser Scanners
- (1) Leica RTC360 Laser Scanner
- (2) Leica ScanStation P50
- (4) Leica ScanStation P40
- (2) Leica ScanStation P20
- (4) Leica ScanStation C10
- Trimble TX8 Scanner
- Faro Focus 3D Scanner
- Riegl VZ400 3D Terrestrial Scanner with Nikon Camera
- Trimble Imaging System V10

MOBILE MAPPING EQUIPMENT

- Riegl VMX 450 3D Mobile Scan System
- Riegl VMX-1HA Compact Mobile Scan
- Point Grey Ladybug vs.5 360° Immersive Camera System

RAIL SURVEYING EQUIPMENT

- (3) Amberg GRP 1000 Trolley
- Amberg IMU
- Amberg GRP 5000 Trolley
- Trimble Gedo Rail Trolley
- HiRail 350 Truck

SUBSURFACE UTILITY MAPPING EQUIPMENT

- Pearpoint P350 Flexitrac Crawler Camera System
- Pearpoint P342 Push Camera System
- (5) GSSI SIR 4000 GPR Data Acquisition System
- (2) GSSI SIR 3000 GPR Data Acquisition System
- (1) GSSI Structure Scan Mini XT
- GSSI LineTrac GPR Accessory
- (4) GSSI UtilityScan Pro 350 HS Antenna
- (2) GSSI UtilityScan 300/800 Dual Frequency Antenna
- (6) Vivax Metrotech Pipe Locators VM-810
- (19) Vivax Metrotech Pipe Locators VM-850
- (5) Vivax Metrotech V-Loc 3 Pro Systems
- (8) RD5000 Cable and Pipe Locators
- (12) RD8100 Cable and Pipe Locators

- (9) Pipehorn 800H Cable and Pipe Locators
- (3) Tellus TUT-5500 Vacuum Excavation Trucks
- (1) Ditch Witch FXT50 Vacuum Excavation Truck

GIS ASSET EQUIPMENT

- (7) Trimble Geo 7x Series GNSS Units
- (8) Trimble GEO Series with Terrasync
- (13) Zephyr GNSS Antenna
- (2) EOS Arrow Gold GNSS Systems

DRONE MAPPING EQUIPMENT

- (2) Pulse Aerospace Vapor 55 w/VUX-1UAV LiDAR / Dual Sony Alpha 6000
- SteadiDrone Mavrik X8/X4
- SteadiDrone Flare X4

SOFTWARE

- AutoCAD Civil 3D 2018
- AutoCAD 2018
- Autodesk ReCap 2018
- Autodesk 3DS Max 2018
- Autodesk Revit 2016 & 2018
- Autodesk Navisworks 2018
- Bentley MicroStation (V8i, CONNECT)
- Bentley GEOPAK
- Bentley Inroads
- Bentley Inroads Survey
- Bentley Power Rail Track
- Bentley CONNECTION Client
- Bentley OpenRoads Designer (ORD)
- Bentley SITEOPS
- Carlson Civil Suite 2018
- Topcon Office 3D v11.1
- Topcon Tools v.6.11
- Topcon Link
- Faro 3D Scan Scene
- Terrascan
- Terraphoto
- Terramodel
- (43) Trimble RTK Network Subscriptions
- (10) Leica RTK Network Subscriptions
- (5) NY DOT RTK Network Subscriptions
- Riegl Scan Processing Suite
- TopoDOT - TopoDOT
- TopoDOT - TopoCloud

- SteadiDrone Vader X8/X4
- 3DR Solo Drone
- 3DR Iris+ Drone
- Lockheed Martin Indago Drone
- (5) DJI Inspire 2 Drones w/ Zenmuse x45 20mp 4k Video / Zenmuse X55 Micro 4/3 with 5.1K Video Capable
- (9) DJI Mavic Pro 12 Drones w/Integrated 20mp 4k
- (2) Aeryon Labs Sky Ranger w/HDZoom30
- (1) Intel Falcon 8+ w/Sony Alpha 7R Full Frame 36mp Camera
- (25) Parrot Anafi w/Integrated 20mp Sony, 2x Optical zoom HDR 4k Video
- Riegl Vux-1UAV Scan System
- 2 Tier Custom Gamma Sensor
- Gem Sys Magnetometer GSMP-35U
- FLIR Vue Pro 9mm
- TopoDOT - TopoPlanner
- TopoDOT - TopoMission
- POSPac MMS V6.x
- RiScan Pro Acquisition
- RiScan Pro Processing
- Applanix PosGNSS
- Applanix PosPAC
- Global Mapper
- Star*Net Least Squares Network Adjustment
- Tripod Data Systems Survey link
- Tripod Data System DXM
- Tripod Data Systems Foresight
- Trimble Realworks Scan Software
- Trimble GIS TerraSync Professional
- Trimble Business Office
- Trimble Geomatics Office
- Leica Cyclone Software Suite.
- 3DReshaper-3D Software
- ClearEdge3D-EdgeWise Software
- Leica Geo Office
- Amberg Clearance Plus
- Amberg Slabtrack Plus
- Amberg Tamping Plus
- Amberg Tunnel Measure System (TMS)
- 3D ReShaper
- Quick Terrain Modeler
- Pix4D

UAS SOFTWARE

- DJI Go 4
- Pix4D Capture
- Free Flight6
- Mission Control Station "MCS"
- Aeryon Live
- AscTec Navigator
- Flightline
- Propeller AeroPoint Processing
- Survey Copter / WebGCS
- RiProcess
- RiWorld
- RiACQUIRE-ALS
- RiAcquire (Embedded)
- RiPrecision

- RiMTA
- RiPrecision UAV
- POSPac MMS
- Sentera QX
- Trimble UASMaster 9.1
- Virtual Cockpit
- D9 Flight Stack
- Skyward.jo

GIS SOFTWARE

- Esri Maplex
- Esri 3D Analyst
- Esri ArcGIS Desktop / Pro
- Esri Spatial Analyst
- Esri ArcServer ASP

SIMILAR PROJECTS

Maser Consulting projects are managed in accordance with corporate procedures to ensure successful project delivery in compliance with the approved schedule, budget and quality standards. Our team has the capabilities to respond to any of the special types of assistance outlined in this RFQ and commits to successfully completing all task assignments on time, safely and cost-effectively. We achieve these goals by maintaining close relationships with clients; executing projects in accordance with established goals, schedules, and budgets; and fostering effective on-going communication between the project manager and project team.

As a prime and teaming partner, Maser Consulting's key staff have provided professional services on numerous projects for multiple organizations in South Florida, we understand the City's needs. We would like to leverage this experience to help manage and execute this contract for the City of Pompano Beach. Some example contracts include:

- City of Miami Miscellaneous Surveying and Mapping Services
- City of Miami Beach, Professional Architectural & Engineering Svcs in Specialized Categories
- City of Tampa Work Order Agreements for Professional Services As Needed
- City of Plant City, Transportation Engineering Services
- Miami-Dade County, General Land and Engineering Surveying Services
- Hillsborough County Miscellaneous Professional Engineering Services for Geomatics
- Manatee County BCC, Unmanned Aircraft Systems Drone Services
- Pinellas County, Unmanned Aerial Systems (UAS) Services and CEI Consultant Service



Example task assignments similar to those anticipated for this contract include:

City of Miami, Miscellaneous Surveying and Mapping Services – Under this miscellaneous surveying and mapping services contract, Maser Consulting was tasked with several boundary and topographic surveys for various City parks, trails and transportation facilities. Scope elements included control surveys with permanent benchmarks; as-built surveys; Mobile LiDAR; Subsurface Utility Engineering QLA and QLB services; preparation of legal descriptions and expert witness services.

Miami-Dade County General Land Engineering and Surveying Services – Maser Consulting has provided general land surveying services under a multiple, consecutive continuing services contracts since 2006. Scope of services includes boundary surveys, design surveys, underground utilities surveys, as-built surveys, photogrammetric services, preparation of legal descriptions and sketches and expert witness services.

Hillsborough County Miscellaneous Professional Engineering Services for Geomatics – Maser Consulting has performed a variety of task assignments including boundary and topographic surveys for various transportation and utility facilities. Scope elements included control surveys with permanent benchmarks, as-built surveys, construction stakeout, SUE services, preparation of legal descriptions and expert witness services.

FDOT District 1, Districtwide Subsurface Utility Designate, Locate, Coordination Contracts – Maser Consulting has performed more than 30 task work order assignments consisting of conventional field surveys and Subsurface Utility Engineering QLA and QLB services throughout the District and Sarasota County.

JOHN A. LIPTAK, PSM

Contract Manager / Principal Surveyor

EDUCATION

- Brookdale College 1968
- Newark College of Engineering 1971

PROFESSIONAL REGISTRATIONS

- Professional Surveyor & Mapper, Florida, LS5664, 1996

PROFESSIONAL AFFILIATIONS

- Florida Surveying & Mapping Society, Member
 - State Board Member, 2008-Current
 - Chapter President: 1999-2000
 - 2006-2007 and 2016-Present
 - VP: 2003-2004
 - Director: 2002-2003
 - Surveyor of the Year 2001
- American Congress of Surveyors & Mappers
- National Society of Professional Surveyors
- Florida Green Building Coalition, Member

SPECIALTIES

- Physical measurement of horizontal and vertical distances for use in planning, design and as-builts
- 29 years of experience with FDOT criteria & procedures for Surveying and Mapping.
- Management of Survey Crews & Office operations. Including: Identification & assemblage of key quality individual's and delegation of best team members and teams to accomplish expected tasks.

EXPERIENCE

John has over 52 years of comprehensive experience in land survey project management for public and private clients overseeing all field and office related tasks. As Senior Project Manager, Surveyor, and Mapper, his extensive expertise encompasses performing and managing Land Surveying and Mapping exercises for the Determination of Land Boundaries, Engineering Design (topographic) Survey's (creating digital terrain models DTM's); Right-of-Way Control Surveys and Right-of-Way Surveys, for the preparation of Parcel Sketches and Right-of-Way Maps for property acquisition for expected improvements to existing State and County Right-of-Way corridors. He is well versed in As-Built Surveys; Bascule Bridge Surveys; Elevation Surveys; Drainage Surveys; Hydrographic Surveys; construction stake-outs; utility surveys; Construction Engineering & Inspection (CEI) Surveys; Volume calculations; Preparation / Writing legal descriptions & preparation of sketches to accompany legal descriptions; Survey and Map Reports for clarification of detailed Surveys; and Geodetic Surveying which includes precise horizontal & vertical surveying over large distances, using, Total Stations, GPS, including Traverse, Triangulation, Trilateration, precise leveling over long distances; GPS static post processing and direction of proper field and office procedures related to all GPS control projects including Real Time Kinematics (RTK) usage.

John's supervisory skills enable him to manage and schedule multiple field crews and coordinate internal staff and external clients. He also administers quality control for all survey documents including survey plans, record plats, descriptions, and review of title commitment reports; performs peer review of deliverables; schedules and coordinates work between other departments and companies; and provides financial management of survey projects including proposal preparation, tracking project status, billing reports, and invoicing.

PROJECTS

Geodetic Control Surveys

Miami International Airport (MIA), Miami-Dade Aviation Department (MDAD) Miami-Dade County, FL

Horizontal, and Vertical Control Monumentation including recovering, refurbishing, repopulating, reoccupation, adjustment and documentation of findings for all Control at MIA (2,800 +/- acres).

Aerial Support

US 1 from SW 264th Street to Coral Reef Drive (10 miles +/-), FDOT District 6, Miami-Dade County, FL

GPS Targets and reestablish Baseline and Right of Way Lines.

SR 836 EIS Transit Study (30 miles), FDOT District 6**Miami-Dade County, FL**

Photogrammetric Control Survey with more than 300 aerial target locations (horizontal & Vertical) including establishing Baseline of SR 836 from Downtown Miami to SR 821/Florida Turnpike and 1-mile Baseline North and South on SR 821.

Monumentation

Senior Surveyor & Mapper responsible for all field and office tasks, Survey sections and ¼ sections, monumentation & occupation including side streets; establish historic Baseline of Survey and determine Right of Way. After thorough review with FDOT staff; monument Right of Way and record Maps in Public Records.

- **SR 5/US 1 (10 miles), FDOT District 6, Miami-Dade County, FL**
- **SR 25/Okeechobee Road (3 miles), FDOT District 6, Miami-Dade County, FL**
- **SR 826/Palmetto Expressway (5 miles), FDOT District 6, Miami-Dade County, FL**
- **SR 5/Biscayne Blvd/US 1 from NE 35th St to NE 206th St, Post Construction 7 projects (11+ miles), FDOT District 6, Miami-Dade County, FL**
- **41 projects (TWO's) of similar nature under contract C8W42**

Right of Way Control and Right of Way Mapping**SR 836 / Perimeter Road (2.5 miles), FDOT District 6****Miami-Dade County, FL**

Reestablish the Southerly Boundary of the Miami International Airport Property same being Northerly Boundary of SR 836 from SR 826 (Palmetto Expressway) to ½ mile east of NW 57th Avenue for FDOT improvements to SR 836 and Perimeter Road.

SR 997 Krome Avenue from SW 296 St to SW 88 St (13 miles), FDOT District 6**Miami-Dade County, FL**

Multiple projects. Survey sections & ¼ sections, monumentation & occupation including side streets; establish historic Baseline of Survey; prepare Right of Way Control Survey and Map and determine Right of Way. Title search review and identification of over 100 Parcels for acquisition during design phase and preparation of final Right of Way Maps.

Design Surveys

Set Primary Network Control (PNC) establish horizontal and vertical positions with Static GPS and traverse for quality geodetic & geometric positions. Three wire differential leveling for benchmarks, Topographic locations utilizing EFB and CAICE; prepare 2d file of Topography and 3d digital terrain model (DTM) surface with break lines; check cross sections at 500 foot intervals to verify DTM reliability and establish historic Baseline & Centerline of Right of Way; all files delivered with a Surveyors Report.

- **West Avenue, City of Miami Beach (4 miles), Miami-Dade County, FL** – Including utilizing Terrestrial Mobile LIDAR
- **SR A1A from Haulover Park to North of Broward County Line 2 Projects (2 miles each - 4 miles +), FDOT District 6, Miami-Dade County, FL**
- **SR 5/US-1 from SW 103 Street to SW 144 Street (2 miles), FDOT District 6, Miami-Dade County, FL**
- **Miami Dade County** – 115 Topographic / Design Surveys (600' to 2 miles long)
- **SR 976 Bird Road (3 miles), FDOT District 6, Miami-Dade County, FL** – Including utilizing Terrestrial Mobile LIDAR

Bridge Surveys

Establish Horizontal and Vertical Control, Layout Verification, as-builts, underground utility locations, Field and Office Q/A, Q/C.

- **SR 860 Hallandale Bch Blvd Dual Bascule Bridge Replacement, FDOT District 4, Broward County, FL**
- **Flagler Bascule Bridge Replacement, FDOT District 4, Palm Beach County, FL**
- **PGA Boulevard Intra-Coastal Waterway, FDOT District 4, Palm Beach County, FL**

DANIEL M. CHECCHIA

Project Manager

EXPERIENCE

EDUCATION

- A.S., Applied Science in Construction Technology, Suffolk County Community College 2005

Mr. Checchia is a Geographic Discipline Leader for Subsurface Utility Engineering Services (SUE) for Maser Consulting PA. He has over 2-decades of South Florida experience in transportation engineering, surveying, and construction related fields, with expertise in SUE and Utility Coordination. His duties include the management and supervision of the day-to-day operations of all SUE tasks and Utility Coordination assignments in Florida.

PROFESSIONAL CERTIFICATIONS

- FDOT, Maintenance of Traffic Issues Affecting SUE
- Risk Management and Professional Liability in SUE
- Rebuilding America's Infrastructure
- SAFE PIPES Act and Related Legislation

Mr. Checchia maintains a strong rapport with local utilities and municipalities assisting clients with utility research, identification, data management and coordination. His high level of expertise and understanding of the Quality Levels defined with the ASCE Guideline 38, "Standard Guidelines for the Collection and Depiction of Existing Subsurface Utility Data", enables him to manage projects from concept to design and through construction, identifying utility impacts, developing mitigating strategies, providing timely and cost effective solutions.

PROFESSIONAL AFFILIATIONS

- SUE Association, Founding Board of Director
- ASCE/UESI, Member
- Florida Utility Coordination Committee (FUCC)
- Broward EUSI Chapter, Current Chair

Mr. Checchia has substantial experience working for the Florida Department of Transportation (FDOT). As a former technical delegate for FDOT District IV Survey & Mapping Advisory Committee, he helped develop new field procedures and deliverables for statewide projects for Utilities and Survey. He has a comprehensive knowledge of the FDOT Utility Coordination process, and his philosophy is to maintain an open and productive dialogue throughout the initial SUE investigation; utility coordination, and post-design follow up to ensure utility commitments and project obligations are successfully accomplished.

PROJECTS

Everglades Island, Island Road, Town of Palm Beach Palm Beach County, FL

Provided subsurface utility designating and locating services. Quality Level "B" horizontal designation services included the marking of conductive and non-conductive utilities and structures on the surface. Quality Level "A" vacuum excavation services will be mapped and placed in a geo referenced cad file with a test hole summary report providing coordinates, depth of cover, type, size and material.

Overhead Utility Conversion from Hillsboro Inlet to Terra Mar Drive, City of Pompano Beach Broward County, FL

Provided up to 600 test holes to assist the design engineer with exposing existing utilities in order to assist with the design corridor and minimize potential conflicts for the proposed undergrounding of existing overhead facilities. ASCE Standard Quality Level B (Designating) and Quality Level "A" vacuum excavation services will

be mapped and placed in a geo referenced cad file with a test hole summary report providing coordinates, depth of cover, type, size and material.

**North Regional Wastewater Treatment Plant Load Center and Motor Control Centers Rehabilitation
Broward County, FL**

The scope of this project included the design and engineering services during construction for the replacement of Load Centers 5 and 6 related Motor Control Centers (MCC), and replacement/rehabilitation of associated duct banks at the North Regional Wastewater Treatment Plan (NRWWTP). Performed soft dig test holes to locate the depth of cover over the existing concrete duct banks. Twenty-nine total test holes were performed.

**Engineering Consultant Services for Highway Construction and Engineering Design
Broward County, FL**

Provided surveying and subsurface utility engineering support for various county-wide transportation and general civil engineering projects. Typical services included design surveys, topographic surveys, water crossing surveys, 3D laser scanning, utility designation, locating and mapping to support project designs as well as post-construction services associated with new traffic signals, signal conversions, mast arm installations, evaluations of existing utilities, roadway widening, bridge rehabs, intersection improvements and school zone improvements.

**Pompano Beach Design/Build Pier Beach Parking Garage, City of Pompano Beach
Broward County, FL**

The new Pompano Beach Pier/Beach Parking Garage is located at the southeast corner of North Ocean Blvd. (SR A1A) and NE 3rd Street on a 3.5-acre site. The new parking garage includes five stories, 625 parking spaces, speed ramp to facilitate access to higher levels of the garage and some retail space on the ground level fronting NE 3rd Street and the new Pier Street. As part of the design-build team, responsible for Planning, Surveying, Utility Coordination/Investigation, Civil Engineering, Landscape Design, Permitting and Construction Inspection.

**Hallandale Beach Fire Station 7 and Emergency Management Facility
City of Hallandale Beach, Broward County, FL**

The building program and design for the City's new main fire rescue headquarters and emergency management facility were developed to achieve LEED Silver Certification and include a 25,000 SF, two-story complex with four apparatus bays and living quarters for up to 16 firefighters. In addition to on-duty fire rescue staff, the building will house the City's Fire Prevention Bureau including office space for fire inspectors, plans review and public education. Provided Civil Engineering, Landscape Architecture and SUE services.

**Parkland City Hall Building Department Wing Expansion, City of Parkland
Broward County, FL**

The proposed 3,000 SF expansion will be done on the Building Department wing of City Hall. The project will include the addition of approximately 1,500 SF of retention storage and 1,500 SF of Building Department space. The proposed retention space will also include access to the existing parking lot for intake of documents, as well as, moving paper out for disposal (shredding) purposes. Served as Prime Consultant and as Owner's Rep and providing planning, surveying, civil engineering and subsurface utility engineering services. The engineering design includes approximately 160 LF of gravity sewer, 230 LF of water main and restoration of the parking lot.

**Wiles Road Design Services from Riverside Drive to Rock Island Road
City of Coral Springs, Broward County, FL**

Provided subsurface utility engineering services. This intent of the project was to widen Wiles Road from four lanes to six lanes from Riverside Drive to Rock Island Road and to save the existing pavement while narrowing the median to accommodate the widened lanes. Mr. Checchia provided Quality Level 'B' & 'A', designation and location services for this project, producing valuable data on existing utilities throughout the project corridor.

**Wiles Road Locates
City of Coral Springs, Broward County, FL**

Provided subsurface utility engineering (SUE) services for this project for the City of Coral Springs Public Works Utilities Division. Responsible for providing Quality Level 'A' locations for the City of Coral Springs' Water facilities. The firm identified a 12" cast iron watermain for the city to mitigate potential conflicts with the proposed design.

PATRICK SENNE, PSM

Quality Assurance/Quality Control (QA/QC) Manager

EDUCATION

- Surveying and Mapping, University of Florida

PROFESSIONAL REGISTRATIONS

- Professional Surveyor and Mapper (PSM) Florida, No. LS5317

PROFESSIONAL AFFILIATIONS

- Florida Surveying and Mapping Society
- American Congress of Surveying and Mapping
- National Society of Professional Surveyors
- American Society of Civil Engineers
- American Society of Highway Engineers
- American Association of State Highway and Transportation Officials
- ACEC-FL Transportation Subcommittee

Mr. Senne has over 30 years of experience in the survey/geospatial profession, with expertise in conventional survey and mapping; geodetic control surveys; 3D topographic mapping utilizing LiDAR (terrestrial, mobile and aerial) and right-of-way mapping & control surveys. He has been responsible for the supervision, management, quality assurance/quality control and contract negotiations on numerous major transportation projects that incorporated all aspects of surveying, mapping, remote sensing and SUE throughout Florida and the Southeast.

PROJECTS

SR 417 Widening from Landstar to Boggy Creek, Central Florida Expressway Authority (CFX)

Maser Consulting acted as a subconsultant to Horizon Engineering Group, Inc. in support of the design of highway widening and various other improvements along State Route 417 from Landstar Boulevard to Boggy Creek Road. The survey scope of work included planimetric mapping and digital terrain modeling of the entire project corridor, from Right of Way to Right of Way for over four miles of highway and cross streets. Maser Consulting provided underground utility designates and locates, Mobile LiDAR, and UAS LiDAR, which were used to locate and document existing ground features along the roadway. Areas not visible for LIDAR collection, such as drainage ditches and wooded areas, were collected conventionally by RTK GPS or Total station. The resulting datasets were merged to create a highly detailed and comprehensive final design survey deliverable. Mr. Senne was the lead for Maser's QA/QC reporting for this contract.

SR 429 Widening from West Road to SR 414, CFX

Maser Consulting is currently underway on this 4.4-mile design project as the lead for all Survey and Subsurface Utility Engineering on this contract. This scope includes project control, Right of Way, and full topographic design survey to support widening of the mainline and 8 bridges for increased capacity and safety improvements. Mr. Senne is the lead for Maser's QA/QC reporting for this contract.

Tampa Bay Next - SR 400 (I-4) from east of 50th Street to west of SR 566, FDOT District 7 Hillsborough County, FL

The design survey required for this project corridor will be used for resurfacing and roadway expansion and addition of express lanes for the Tampa Bay Next (TBN) program. Including the I-4 main line, I-75 interchange, off system side streets and ramps this project corridor totaled approximately 39.3 miles. The design survey involved a combination of mobile LiDAR, aerial LiDAR, digital photogrammetry, static LiDAR and conventional survey methods to collect the data. The final 3D design files included multi-sourced data from other sources into a seamless along with raster imagery, in accordance with Florida Standards of Practice.

**Public Private Partnership – I-4 Ultimate, FDOT District 5
Orange/Seminole County, FL**

Mr. Senne served as project manager and principal in charge of design survey services for the I-4 Ultimate Project, under the direction of the HDR-Jacobs joint venture, in addition to working for Skanska, Granite and Lane Construction Companies. The design surveys for the 21-mile I-4 corridor, from west of Kirkman Road in Orange County to east of State Road 434 in Seminole County were performed utilizing a combination of fixed-wing aerial, mobile and terrestrial LiDAR, photogrammetry and traditional survey. This project also included surveying of 18 miles of off-system major side streets utilizing the same methods. Total contract amount: \$2.3 billion.

**I-95 Express Lanes, FDOT District 4
Broward and Palm Beach Counties, FL**

Quality Assurance/Quality Control Manager. Project included LAMP photogrammetric mapping and 3D topographic mapping utilizing terrestrial LiDAR and control surveys. This project included approximately 22-miles of I-95 mainline corridor and approximately 38 miles of interchanges and on and off system major side streets

**I-75 Northbound from Leroy Selmon Expressway to SR 60 (Adamo Drive), FDOT District 7
Hillsborough County, FL**

Project/Contract Manager: Project included 3D topographic mapping utilizing mobile LiDAR and conventional survey to support the resurfacing and the median, shoulder and safety improvements required for this limited access corridor which included a 1.1 mile 3-lane mainline section and a 1.0 mile 3-lane auxiliary ramp.

**I-75 Northbound from SR 60 (Adamo Drive) to Fischer Ave CSX Railroad Crossing, FDOT District
Hillsborough County, FL**

Project/Contract Manager: Project included 3D topographic mapping utilizing mobile LiDAR, terrestrial LiDAR and conventional survey to support the resurfacing and the median, shoulder and safety improvements required for this limited access corridor which included a 1.2 mile 3-lane mainline section and a 0.6 mile on-ramp from SR 60.

**North Florida Avenue (CR 685) from Lambright Street to Bird Street, FDOT District 7
Hillsborough County, FL**

Project/Contract Manager: Project included 3D topographic mapping utilizing mobile LiDAR for this 1.1-mile, resurfacing, sidewalk, drainage and safety improvements project.

**SR 55 (US 19) from Toucan Trail to SR 50 (Cortez Boulevard), FDOT District 7
Hernando County, FL**

Project/Contract Manager: Project included 3D topographic mapping utilizing mobile LiDAR for this 3.4-mile, resurfacing, sidewalk, drainage and safety improvements project.

**SR 55 (US 19) from Cardinal Street to Green Acres Street, FDOT District 7
Citrus County, FL**

Project/Contract Manager: Project included 3D topographic mapping utilizing mobile LiDAR to support required resurfacing, sidewalk, drainage and safety improvements for this 2.0-mile, 4-lane urban divided roadway.

**SR 55 (US 19) from Green Acres Street to Jump Court, FDOT District 7
Citrus County, FL**

Project/Contract Manager: Project included 3D topographic mapping utilizing mobile LiDAR to support required resurfacing, sidewalk, drainage and safety improvements for this 2.1-mile, 4-lane urban divided roadway.

**SR 52 Re-alignment from McKendree Road west of SR 566 to CR 597A (Prospect Road), FDOT District 7
Pasco County, FL**

Project/Contract Manager: Project included conventional survey and 3D topographic mapping utilizing mobile LiDAR and aerial LiDAR for this new 3.5 mile, four-lane divided roadway. Survey tasks also included utility designation, jurisdictional wetlands, drainage and geo-tech support.

AIMARA DIAZ LA ROSA, PSM

Sr. Project Surveyor – Design/Construction/ROW Surveys

EXPERIENCE

EDUCATION

- Land Development Course (MDC), 2000
- Surveying 1 Course (MDC), 2001
- Microstation V8 Training (IMAGINiT), 2005
- Principals & Practice of Land Surveying (Georgia), 2006
- Land Surveyors Review Course (University of Missouri-Rolla), 2007
- Autocad Civil 3D 2009 (Digital Drafting System), 2008
- EFB for Windows Mobile Platform (FDOT), 2011
- B.A. Architecture, University of Camaguey, Cuba, 1992

PROFESSIONAL REGISTRATIONS

- Professional Surveyor & Mapper (PSM) Florida, PSM No. 6796

PROFESSIONAL AFFILIATIONS

- Florida Surveying & Mapping Society
- American Congress on Surveying & Mapping

TECHNICAL SKILLS

- 2005 MicroStation V8
- AutoCAD Civil 3D

Ms. Diaz La Rosa has more than 18 years of experience in surveying and mapping for commercial, residential, and governmental clients including right-of-way mapping, subdivision platting, design surveys, various constructions projects, topographic surveys for water and sewer departments, and various boundary, topographic and specific purpose survey projects for private clients, public agencies, and developers.

She is highly involved in the majority of all the projects, coordinating with the field crews as well as the clients in order to come up with an accurate and time-efficient final product. Her specialties also include ALTA-ACSM land title surveys; right-of-way-control surveys; legal descriptions and utility easements; water and sewer as-built surveys; construction layout; right-of-way surveys; engineering design surveys; construction engineering and inspection (CEI) surveys; route surveys for highways; condominium surveys, and tentative plats and final plats.

PROJECTS

SR A1A (Collins Avenue) from 158th Street to 192nd Street Sunny Isles Beach, FL

FDOT Right of Way Map road section number 87020-2512 - Established the baseline record information including the approximate number of PC's and PT's and PI's to be set with the record geometry and the beginning and end of Historical Baseline; Horizontal Project Control (HPC); Vertical Project Control (VCP); Topography/DTM (3D) and Planimetric (2D). Project size: 2.5 Miles+/- . Cost: \$ 126,016.17. Role: Project Surveyor.

SR 5 US-1/Biscayne Boulevard (NE 123rdth Street-NE 186th Street) Miami-Dade County, FL

This project included Design Survey, Digital Terrain Model, Right-of-way Control and Primary control. Supervision of all field and office procedures and calculations to ensure compliance with State of Florida Standards of Practice and QC/QA.

NW 57th Avenue Canal Cross Sections Miami, Miami-Dade County, FL

This project included FDOT Construction Engineering and Inspection Surveys, Canal Cross-Sections and Culvert As-Built. Supervision of all field and office procedures and calculations to ensure compliance with State of Florida Standards of Practice and QC/QA.

City of Miami, Miscellaneous Surveying & Mapping Services Miami, FL

Project Manager for miscellaneous task work order contract to provide surveying and mapping services including, but not limited to, photogrammetry; boundary surveys; as-built drawings; preparation of

legal descriptions for public right-of-way acquisitions; preparation of plats and maps; certification of tentative and final plats for compliance to City Code, Miami-Dade County Code and State of Florida statutory requirements; establishment of vertical project network controls; establishment of alignment and right-of-way lines; topographic surveys; construction layouts; drainage surveys; designation and location of underground utilities; utility coordination; and water boundary surveys.

**Morningside Park, City of Miami Miscellaneous Surveying Services Contract
Miami, FL**

The scope included but was not limited to property boundaries, interior and right-of-way improvements, locate all trees, locate buildings within survey, elevations of high and low points, invert elevations, existing inlets and manholes, existing easements, site benchmarks with state plane coordinates, bathymetric survey around dock and boat ramp. Morningside Park, located near the intersection of NE 7th Avenue and NE 55th Terrace, is approximately 42 acres. Cost: \$52,426.57. Role: Project Manager / Project Surveyor responsible for supervision of all field and office procedures and calculations to ensure compliance with State of Florida Standards of Practice and QA/QC.

**West Avenue and Environs, City of Miami Beach Professional Services Contract
Miami Beach, FL**

Maser Consulting completed a topographic survey for West Avenue and Environs. The project area is bounded by 17th Street on the north, 8th Street on the south, Alton Road on the east and Biscayne Bay on the west. It includes approximately 22,400 linear feet of roadway and an additional 1,200 linear feet of storm sewer outfall.

**Diplomat Golf Course and Resort
City of Hallandale Beach, Broward County, FL**

Maser Consulting completed a full 3D mapping of this 125-acre private golf course. The course was redesigning its layout and Mobile LiDAR was the most efficient and effective means of data collection without impacting the daily use of the facility by the members. Maser Consulting collected the LiDAR data and produced Civil 3D topographic maps to aid in the design efforts. Responsible for project oversight, supervision of all field and office procedures and calculations to ensure compliance with State of Florida Standards of Practice and QC/QA.

**COSTCO Wholesale
City of Coral Springs, Broward County, FL**

Scope of services included master planning, conceptual design, soil erosion and sediment control plans, stormwater management design, construction administration, and landscape design on behalf of Costco Wholesale for this 14.7-acre +/- development, which contains a stand-alone Costco building and nine (9)-pump fueling station. The project consists of approximately 157,000 SF of retail space. Project consisted of underground utility as-builts locations utilizing electromagnetic utility detection and conventional topographic surveying methods (visible above ground) appurtenances. Supervision of all field and office procedures and calculations to ensure compliance with State of Florida Standards of Practice and QC/QA. In addition, geotechnical engineering and construction testing services were provided on this former landfill site. Tasks included investigations and design of deep dynamic compaction program, compaction grouting program, auger cast piles, and construction oversight.

**COSTCO Wholesale
City of Dania Beach, Broward County, FL**

Scope of services included master planning, conceptual design, soil erosion and sediment control plans, stormwater management design, construction administration, and landscape design on behalf of Costco Wholesale for this 10-acre +/- development, which contains a stand-alone Costco building and fueling station. The project consists of approximately 150,000 SF of retail space. Project consisted of underground utility as-builts locations utilizing electromagnetic utility detection and conventional topographic surveying methods (visible above ground) appurtenances. Supervision of all field and office procedures and calculations to ensure compliance with State of Florida Standards of Practice and QC/QA. In addition, geotechnical engineering and construction testing services were provided on this former landfill site. Tasks included investigations and design of deep dynamic compaction program, compaction grouting program, auger cast piles, and construction oversight.

MICHAEL CARDO, PSM

Project Surveyor – Design/Construction/ROW Surveys

EDUCATION

- B.S. Geomatics, University of Florida, 2006
- AAS Computer Engineering, Miami-Dade College, 2004

PROFESSIONAL REGISTRATIONS

- Professional Surveyor & Mapper (PSM), Florida No. LS7156

PROFESSIONAL AFFILIATIONS

- FSMS
- ACSM

EXPERIENCE

Mr. Cardo is a Survey Department Project Manager for Maser Consulting's Miami office. He has over 13 years of varied experience in land Surveying and has been responsible for a diverse number of surveying tasks including Determination of Boundaries, Right of Way Control and Monumentation, Various Construction Surveying services for commercial, residential, bridges and high-rise construction, Topographic, Utility Location, and As-built Surveys.

Mr. Cardo's administrative nature helps him manage projects with an emphasis on communication, scheduling, financial budgets, deliverables and execution. He has excellent administration skills, bilingual, excels at both verbal and written communication in English and Spanish. His duties include supervising field and office work, delegate duties amongst field and office staff, coordinating work requests with clients to develop daily work schedules, and the tracking of the status of projects. He attends daily meetings and develops reports on projects, billings, and workload. During these meetings, he updates other managers on the status of work and makes commitments to meet critical deadlines. He completes daily timesheets and prepares monthly reports on billings; and he attends biweekly meetings regarding both his billings and collections.

Mr. Cardo has supervised the use of GPS (Global Position Systems) equipment to establish aerial control targets and primary traverse control for roadway projects. He has a vast knowledge of construction layout services, including supervising the layout of various types of utilities for construction, including, power, storm sewer, sanitary sewer, water mains, etc. He has also supervised the layout of high-rise developments which includes determining property boundaries, coordinating fitment of building tower within limits, layout of building tower, marking and verifying foundation locating, setting and verifying grades, vertical alignment and final surveys.

MUNICIPAL WORK

City of Miami Beach – Design Survey & Geotechnical Services Miami-Dade County, FL

Surveyor in charge of budgeting, planning, coordination and scheduling for geotechnical studies, underground utility detection and as-built, mast arm detailed as-built

ROADWAY PROJECTS

SR 916/NE 135th Street

Surveyor in charge of budgeting, coordinating and scheduling work for recovering and re-establishing traverse control utilizing conventional survey and GPS technology equipment. Locating evidence of occupation and obtaining documentation to solve right of way limits.

SR 5/Overseas Highway

Surveyor in charge of budgeting, planning and executing the work for capturing the topography utilizing mobile LiDAR. Recovering control, re-establishing traverse control utilizing conventional survey and GPS technology equipment. Establishing mobile LiDAR targets and verifying integrity of Topography and DTM (Digital Terrain Model) extracted from raw scan data.

UTILITY & TRANSMISSION LINE SURVEYS

Route Surveys for Transmission of Power and Gas**State of Indiana and Ohio**

Surveyor in charge of coordinating, scheduling and reporting the location and as built of gas and power lines utilizing RTK GPS and LiDAR scanners, establishing control, plotting properties boundaries based on research and consolidating with found section corners for location calculations. Reporting miles of newly installed gas lines and power lines and generating as-built drawings showing horizontal location and elevation of such.

GRIP Pershing to Southern Replacement**West Palm Beach County, FL**

Survey project manager for a gas line replacement project in Southland Park. Coordination of schedule and billing with contractor, establishing control, data collection utilizing GPS equipment and drawing generation reflective of existing and newly installed gas line.

EDUCATIONAL PROJECTS

NOVA (Nova Southeastern University) Residence Hall**City of Davie, Broward County, FL**

Surveyor in charge of a multi-level residential tower. Coordination, scheduling and planning in collecting field occupation evidence to solve the property boundary and determine fitment of construction plans within limit of the property. Pile, footer, power, storm, water and sewer utility layout and as built. Verifying grid line control during progress of construction. Establish monitoring pins at base of building to determine settlement by end of construction. Water and sewer as-built plans for county review and approval. Final as-built survey.

Gratigny Elementary Schools (Miami-Dade Public School)**City of Miami, Miami-Dade County, FL**

Surveyor in charge of budgeting, coordination and scheduling for the addition of commodities to the school sports complex. This work required capturing of exiting conditions to establish site control, consolidation of plans and coordination for adjustments to plans to fit existing conditions, calculation of location of sidewalks and courts for field layout. Final as-built survey.

MIXED-USE DEVELOPMENT / CONSTRUCTION PROJECTS

1000 Museum**City of Miami, Miami-Dade County, FL**

Surveyor in charge of coordination, scheduling and execution of all survey services for the 62-story tower. Established site control and performed boundary solution, coordinated fitment of proposed building and amenities within limits. Laid out piles and all foundation members, established gridline control at ground level and verified all the way to top floor at finished construction, performed settlement monitoring throughout construction, generated final utility as-builts and final as-built survey.

One Paraiso**City of Miami, Miami-Dade County, FL**

Surveyor in charge of budgeting, coordination and execution of services for the 50-story high-rise tower. Responsible for consolidating plans and coordination of proposed fitment of tower and amenities within solved property boundary. Calculated and marked all structural members, verified and corrected grid line control during progress of construction.

DENIS A. DENIS, PSM, PE

Project Surveyor

EDUCATION

- Bachelor of Business Administration, Florida International University (FIU), 2016
- B.S. Civil Engineering, Florida International University (FIU), 2013

PROFESSIONAL LICENSES

- Professional Surveyor and Mapper (PSM), Florida No. LS7017
- Professional Engineer, Florida No. 89314
- Florida Real Estate Sales Associate, License No. 3202259

PROFESSIONAL AFFILIATIONS

- Florida Surveying and Mapping Society
- American Congress on Surveying & Mapping

EXPERIENCE

Mr. Denis has over 12 years of experience in surveying and mapping for design, construction (bridge, roadway, and site). He has worked with the Florida Department of Transportation (FDOT) for a number of years and has also served as in-house consultant to FDOT District 6. His expertise lies in ALTA/ACSM land title, right-of-way monumentation maps, physical measurements of horizontal and vertical distances for planning, design, and construction of engineering projects, right of way control surveys, route surveys for highways, boundary surveys/specific purpose surveys, legal descriptions and utility easements, topographic, design and as-built surveys. His personal interests include the emerging technologies and Surveying and the solutions that it will provide for the future. In addition, he is well experience in EFB processing and Least Squares adjustment.

PROJECTS

R 519 (Fiske Blvd) from Barnes Blvd to SR 520 – Design & Control Survey & R/W Map, FDOT District 5 Brevard County, FL

Includes 3D design survey and DTMs performed using conventional EFB survey as well as Terrestrial Static and Mobile LiDAR methods; alignment retracement and referencing; drainage survey; primary horizontal and vertical control networks; SUE surveying; recovery of 5 land sections and 119 subdivision blocks; preparation of R/W Control Survey and R/W Map.

SR 429 from West Road to SR 414 (Maitland Boulevard) – Design Survey, Central Florida Expressway Authority (CFX) Orange County, FL

Includes establishing horizontal/vertical control, alignment retracement, drainage, SUE surveying, check cross sections, hydro-surveys, and 3D design survey and DTMs performed utilizing a fusion of LiDAR derived 3D data obtained from Mobile and UAS (drone) platforms.

SR 916 (NW 135th Street) from CSX Railroad to Port Said Road – Design Survey, FDOT District 6 Miami-Dade County, FL

Design Survey to include alignment, right-of-way file, dtm and topo. Field work included GPS and traverse primary points, set benchmarks for benchrun, recon and locate occupation for baseline and side streets, and right-of-way lines, topo and DTM, and x-sections. Office work included calculating baseline based on occupation and historical data, calculating r/w lines, preparing topo, drainage, utilities, and DTM files, and preparing PNC sheets.

**SR 976 (Bird Road) from SW 117th Avenue to SW 102nd Avenue – Design Survey, FDOT District 6
Miami-Dade County, FL**

Design Survey to include alignment, r/w file, DTM and topo. Field work included GPS and traverse primary and secondary points, set benchmarks for benchrun, recon and locate occupation for baseline and side streets, and right-of-way lines, topo and dtm with mobile lidar (88 +/- targets located), topo obscure areas, and perform check x-sections. Office work included calculating baseline based on occupation and historical data, calculating r/w lines, preparing topo, drainage, utilities, and DTM files, and preparing PNC sheets.

**SR 860 (Miami Gardens Dr) from NW 87 Ave to NW 57 Ave – Design & Control Survey, FDOT District 6
Miami-Dade County, FL**

Includes 3D design survey and DTMs performed using Terrestrial Static and Mobile LiDAR methods; alignment retracement; check cross sections; drainage survey; primary horizontal and vertical control networks; recovery of section and ¼ section corners and subdivision blocks; preparation of R/W Control Survey Map.

**SR 7 (US 441/NW 7 Avenue) from Little River Dr to NW 151 Street – Maintenance Map, FDOT District 6
Miami-Dade County, FL**

Prepare Maintenance Maps, including 2D topo of limited areas, boundary survey of property, and research public records.

**SR 5 (US 1) from SW 67 Avenue to I-95 – R/W Maps & R/W Monumentation Maps, FDOT District 6
Miami-Dade County, FL**

Established project control and Baseline of Survey, surveyed section and ¼ section corners and subdivision blocks, monumented baseline and r/w lines, prepared R/W Maps and R/W Monumentation Maps.

**SR 968 from 23rd Avenue to 17th Avenue – Design Survey & Maintenance Map, FDOT District 6
Miami-Dade County, FL**

Review horizontal project control as it pertains to baseline alignment and its relationship to historical baseline; review existing right of way lines per found monumentation and existing Right of Way Maps, and search public records and recorded documents where discrepancies are found; and review Maintenance Map prepared based on limited topographic survey and found monumentation.

**N. Roosevelt Boulevard – Boundary Surveys, FDOT District 6
Key West, Monroe County, FL**

Review boundary surveys at multiple properties; compare found property corners and other monumentation with land title records; review title searches and prepare report of chain of title and existing easements; and assist in preparation of documents for conveyance of clear title.

**SR 997 from SW 296 Street to SW 232 Street – PNC & Control Survey, FDOT District 6
Miami-Dade County, FL**

Review Project Network Control and ensure baseline network is in accord with historical baseline geometry; ensure right of way lines and side street alignments were properly established by found occupation and record deeds and maps; review Right of Way Control Survey Map, more specifically horizontal project control, surveyor certifications, and proper documentation to support Control Survey.

**SR 836 at NW Miami Court, Parcel 117 – ALTA Survey & Boundary Survey, FDOT District 6
Miami-Dade County, FL**

Review ALTA/ACSM Land Title Survey, horizontal project control, vertical project control, existing right of way and property lines per found occupation, title search records and other maps of records; review boundary Survey and legal description of property in question; and assist in preparing documents for acquisition.

**SR 5 (Biscayne Boulevard) from NE 199th Street to NE 207th Street – R/W Map, FDOT District 6
Miami-Dade County, FL**

Prepare R/W Map with 6 acquisition parcels and legal descriptions; traverse around four (4) blocks, calculate block closures and r/w lines, review title searches and prepare r/w map detail sheets and PNC sheets.

JOSE D. MORALES, PSM

Project Surveyor – Design/Construction/ROW Surveys

EXPERIENCE

EDUCATION

- B.S. Geomatics, University of Florida, 2006
- A.S. Mechanical Drafting and Design, Central Florida College, 2001

PROFESSIONAL REGISTRATIONS

- Professional Surveyor & Mapper (PSM) Florida No. LS6733, 2009

PROFESSIONAL AFFILIATIONS

- Florida Surveying and Mapping Society (Crown & Miami-Dade)
- National Society of Professional Surveyors

SPECIALTIES

- Boundary and Right of Way Determination
- Project planning, research and reports
- Coordinating field and office
- QA/QC
- MicroStation with GeoPAK
- FDOT SS4
- Carlson Civil Suite
- Land Development Desktop
- Civil 3D
- TopoDOT
- CAiCE

Mr. Morales has over 18 years of experience in surveying and mapping for design, construction, sub-surface utility, platting, sectional and boundary determination. He has had the privilege to work throughout the state and has completed projects for Districts 3, 4, 5 & 6. His work in these districts has varied from project management and quality control to construction layout and technical support. He started his career as a CAD drafter but soon after gained the passion for more advanced challenges in Surveying. His expertise lies in right-of-way surveys and maps, ALTA/NSPS land title, topographic/design and construction layout/as-built. His personal interests include the emerging technologies in Surveying and the solutions that it will provide. In addition, he is well experience in EFB processing and Least Squares adjustment.

Mr. Morales concentrates all his efforts on exceeding the client's expectations in service and product. He believes in treating each client like his only client and always communicating to make sure their needs are met. He has a great ability to schedule and delegate tasks, communicate effectively, and resolve problems in a creative and efficient manner.

PROJECTS

Florida Department of Transportation, District 6 Miami-Dade County, FL

R/W Control Survey

SR 5/US 1/South Dixie Highway (3 miles)

Responsible for coordinating GPS control and re-establishing the historical baseline of survey. Calculated right of way and side street alignments and QA/QC of final deliverables

Design Surveys

SR 5/Overseas Highway (5 miles)

Responsible for the crews and office technicians in setting project network control, Mobile LiDAR control, QA/QC of LiDAR data, establishing the existing right of way and historical baseline of survey.

SR 976/Bird Road (2 miles)

Responsible for the crews and office technicians in setting project network control, Mobile LiDAR control, QA/QC of LiDAR data and survey design files, establishing the existing right of way and historical baseline of survey.

SR A1A/Collins Avenue (2 miles)

Office project surveyor in charge of processing all the field EFB segments in CAiCE and preparing the standard drainage, utilities, topo and DTM survey design files. He also established the existing right of way and historical baseline.

R/W Monumentation

SR 5/Biscayne Boulevard (6 miles)

Project Surveyor in charge of setting Survey Control and managing office technicians. Responsible for making the necessary calculations and QA/QC for monumenting and preparing a Right of Way Monumentation Map.

R/W Map

SR 997 Krome Avenue (5 miles)

Project Surveyor in charge in supervising office technician in preparing Right of Way maps. He also reviewed 86 title search reports and prepared 90 legal descriptions for parcel acquisitions. He communicated and coordinated with the Design Engineer to make sure the project stayed on schedule.

CE&I

SR 997 Krome Avenue (5 miles)

Project Surveyor in charge of coordinating field crews to obtain As-built information for subsoil excavation for the FDOT CEI efforts.

Florida Department of Transportation, District 5

Orange County, FL

Design Survey

Project Surveyor for SR 417/Greenway Expressway Design survey (4 miles)

Project was a conglomerate of aerial, laser scanned and conventional surveying which in the end were seamed together. Processed multiple crews' EFB segments in CAiCE, level runs, traverse adjustments through least squares as well as coordinated field crews day-to-day work. Prepared utilities, topographic, drainage and DTM drawings per FDOT district 5 guidelines and standards

Florida Department of Transportation, District 4

Broward & Palm Beach County, FL

Construction

Structural Surveyor for I-595 new and bridge widenings (8 miles)

Responsible for setting secondary horizontal and vertical project control, laying out bridge substructures and making all calculations for casting of the deck. He was also provided the day-to-day work for five (5) production, three (3) pile and two (2) survey/layout crews. He coordinated and communicated with roadway and various other subcontractors to resolve conflicts. He also used FDOT Roadway and Bridge Design Standards to make sure construction was up to standard.

Right of Way Mapping

Project Surveyor for SR786/PGA Boulevard Control Survey and Genesis Maps (3 miles). Prepared right of way control survey and genesis maps for State Road No. 786 (PGA Boulevard) according to FDOT district 4 guidelines and standards.

Jacksonville Electric Authority (JEA)

Jacksonville, FL

Topographic Survey

McDuff and Norwood Pump Stations (5 miles)

Responsible for coordinating target control for Revit models of existing pump stations.

Buckman Pump station (5 miles)

Responsible for coordinating target control for MicroStation models of existing pump station.

Jacksonville Transportation Authority (JTA)

Jacksonville, FL

As-built Survey

Elevator shaft at new JTA headquarters

Responsible for coordinating target control, extraction and preparing of as-built survey of elevator shaft.

MICHAEL G. EHRHART, PSM

Sr. Project Surveyor – Remote Sensing/Terrestrial and Mobile LiDAR

EDUCATION

- B.S. Geomatics, University of Florida, 2007

PROFESSIONAL REGISTRATIONS

- Professional Surveyor and Mapper, Florida PSM No. LS6941, 2013

COMPUTER SKILLS

- ArcGIS v10
- Microstation V8i SS4
- AutoCAD Civil 3D 2016
- Certainty 3D TopoDOT
- Trimble Business Center
- StarNet
- Cyclone
- CAiCE

PROFESSIONAL AFFILIATIONS

- Florida Surveying & Mapping Society, Member

PUBLICATIONS

- "Data Fusion – A Case Study for Design Build Projects," *LiDAR News*. May 2015.

EXPERIENCE

Mr. Ehrhart is Maser Consulting's Geospatial Regional Manager in Tampa, FL with over 13 years of experience with a wide array of survey projects, including topographic and tunnel verification surveys; GIS based structure inventory; Subsurface Utility location, public records research; and department of transportation (DOT) surveys. Mr. Ehrhart's current professional focus involves implementing and leveraging advanced technologies into current survey operations to control cost, reduce scheduling, and increase safety in all survey operations. As a Geospatial Regional Manager, Mr. Ehrhart oversees Surveying and Mapping operations and all Geospatial LiDAR projects throughout Florida. His responsibilities include fostering client relationships; proposal preparation; negotiations; project execution and quality control; training and educating employees.

PROJECTS

City of Tampa Professional Engineering Services for Survey and Subsurface Utility Engineering (SUE) Tampa, Hillsborough County, FL

Provided Quality Level A and B subsurface utility investigations. Quality Level A involves the use of nondestructive digging equipment at critical points to allow for survey of the horizontal and vertical position of underground utilities, as well as the type, size, condition, material, and other characteristics. Quality Level B involves the use of surface geophysical techniques to determine the existence and horizontal position of underground utilities.

Hillsborough County Miscellaneous Professional Engineering Services for Geomatics Hillsborough County, FL

Senior Project Manager for Professional Land Surveying Services, Subsurface Utility Engineering, and Remote Sensing including Terrestrial and Mobile LiDAR. A selection of task orders for this contract included: Mary Bryan Elementary & Farnell Middle Schools Pedestrian Safety and Mobility Enhancements – Subsurface Utility designation and location including survey of all mapped utilities; and South Coast Greenway Trail – PD&E support including topographic survey, aerial LiDAR, and boundary determination.

Diplomat Golf Course LiDAR Survey Hallandale Beach, Broward County, FL

Project Manager supporting Triangle Survey and Mapping with full 3D mapping of this 100-acre private golf course. The course is redesigning its layout and Mobile LiDAR was the most efficient and effective means of data collection, while not inhibiting access by the general public. Tasks included collecting the LiDAR data and producing Civil 3D topographic maps to aid in the design efforts.

**SR 519 from I-95 to North of SR 520, FDOT District 5
Orange County, FL**

Maser Consulting acted as a subconsultant to Tetra Tech to support this 4-mile pavement rehabilitation project. The project scope included milling and resurfacing of the roadway, drainage improvements, various safety and ADA improvements as well as a Right of Way Control Survey for the corridor. Maser Consulting leveraged a combination of Terrestrial Mobile Lidar and conventional survey to expedite the creation of a digital terrain model of the roadway with significant detail for cross slope correction and curb design. We designated Subsurface utilities for the entire corridor in order to assist with design decision and improvements.

**District Wide SUE Designate, Locate and Coordination, District 1
Districtwide, FL**

Performed task work orders to provide Quality Level A and B subsurface utility investigations. Quality Level A involves the use of the use of nondestructive digging equipment at critical points to determine the precise horizontal and vertical position of underground utilities, as well as the type, size, condition, material, and other characteristics. Quality Level B involves the use of surface geophysical techniques to determine the existence and horizontal position of underground utilities.

**Florida State Route 54 Design-Build Services, FDOT District 7
Pasco County, FL**

Project Manager responsible for providing Mobile LiDAR scanning services and survey support for the creation of design-build documents during the reconstruction of State Route 54 from the Suncoast Parkway to US 41 in Pasco County. The highway was expanded from four lanes to six, with additional improvements including roadway, drainage, walls, signing, pavement markings, signalization, lighting, landscaping, and geotechnical and subsurface utility engineering. Median opening locations, driveway connection spacing, and turn-lane storage lengths were maintained during the design-build process. Duties included managing and coordinating all surveying and mapping services necessary to complete this project, including Mobile LiDAR data collection, processing, and extraction of roadway features for creation of a standard deliverable in full compliance with FDOT standards. Static, mobile, and aerial LiDAR were all used in a data fusion process in order to meet the aggressive schedule set by the contractor.

**US 41 from Bullfrog Creek to Denver Street, FDOT District 7
City of Tampa, Hillsborough County, FL**

Maser Consulting was awarded an FDOT Continuing Service contract for survey support under the Wantman Group Inc. This initial task order involved an updated control survey and topographic design survey for five miles of US 41 in Hillsborough County. Responsibilities included providing Mobile LiDAR acquisition, processing, and extraction for the design survey scope and merging conventional survey data collected by WGI. This data was utilized to develop standard FDOT design files, including a detailed digital terrain model created from the LiDAR point cloud.

Push Button Design-Build Contract, FDOT District 7

Contracted with Cone & Graham/WSP USA to support various design and construction projects for the FDOT including lighting, signing, and traffic signalization throughout District 7. Provided all survey-related services in the design phase as task orders are released. To meet the demands of this contract, LiDAR scanning was utilized to accelerate survey data collection and eliminate subsequent visits to the project sites. This data was used to create FDOT compliant design survey files in MicroStation and assist the design team to help ensure the success of the Engineer and Contractor.

**All Aboard Florida, State Route 528 Mobile LiDAR
Orlando City, Orange County, FL**

Project Manager on a team with AMEC Foster Wheeler and HNTB for All Aboard Florida, an intercity passenger rail project being developed by Florida East Coast Industries, LLC that will connect Miami to Orlando with intermediate stations in Fort Lauderdale and West Palm Beach. Responsibilities included performing Mobile LiDAR acquisition and subsequent design survey creation for a seven mile stretch of the planned rail corridor. After the final data was adjusted and outputted, TopoDOT extraction software was utilized to compile 3D planimetrics and topography. 3D line and point features were then traced and draped directly over the point cloud. In addition, survey data for off pavement and obstructed areas was collected using conventional survey techniques and merged with the LiDAR information to create the final digital terrain model and MicroStation design survey files.

R. WYATT ALTMAN, PSM

Project Surveyor – Remote Sensing/Terrestrial & Mobile LiDAR

EDUCATION

- B.S. Geomatics, University of Florida, 2009

PROFESSIONAL REGISTRATIONS

- Professional Surveyor & Mapper (PSM) Florida No. LS7062

TECHNICAL SKILLS

- ArcGIS v10
- ArcPad v10
- TopoDOT
- TBC
- LGO
- Cyclone
- AutoCAD
- MicroStation
- StarNet

EXPERIENCE

Mr. Altman is a registered project surveyor with extensive and diversified expertise that includes digital imaging and mapping, geodesy, GIS, GPS, photogrammetry, land tenure and cadastral studies, LiDAR, and remote sensing techniques. He has performed hydrographic, ALTA, full topographic, and boundary surveys; sub-surface utility locating; and construction layout. He also has expertise performing data processing using AutoCAD, CAice, Trimble Business Center, GeoPAK and Starnet.

PROJECTS

Crystal River Airport Runway 9-27 Safety Improvements City of Crystal River, Citrus County, FL

Crew Chief for an obstruction survey and topographic survey for the Crystal River Airport Runway 9-27 rehabilitation project. The topographic survey included the taxiway, runway, and surrounding areas. A merged data set including Aerial LiDAR, Mobile LiDAR, and traditional data collection was used to create the topographic survey. Within two days, our professionals were able to classify the point cloud and identify approximately 1,200 trees that needed to be trimmed or removed in the obstruction survey limits. This would have taken weeks if done with conventional methods. Riegl LiDAR systems and Trimble Digital levels, GPS, and Robotic Total Stations were also utilized during this project.

UAS Lidar for Bush Highway Maricopa County DOT, Maricopa County, AZ

UAS lidar and photogrammetric topographic mapping for Bush Highway corridor. Delivery of lidar point cloud and topographic mapping for 5 miles of Bush Highway for construction documentation. Delivery of photo-based point cloud reconstruction and ortho mosaic for a 1-mile segment.

Wauchula Airport PAPI Survey Wauchula Municipal Airport, Wauchula, FL

UAS lidar mapping for an obstruction survey update. Delivery of a digital surface model derived from the lidar point cloud.

Unmanned Aerial System Mapping of Thurlow Dam City of Tallassee, Elmore County, AL

Dam and structural UAS inspection utilizing 20-megapixel georeferenced imagery and 4k video. Also provided survey control, scanning, imagery, and full data extraction. Our civil 3D drawing deliverable was certified to one-inch accuracy for "hard points" (man made improvements) and six inches for natural surfaces. The data extraction included full planimetric detail and a digital terrain model (DTM) produced in Civil 3D.

**Unmanned Aerial System, Terrestrial LiDAR and Imagery Mapping for the Great Falls-Dearborn Headworks Spillway and Great Falls Diversion Dam
Cedar Falls, Greenville County, SC**

Using our Pulse Aerospace Vapor 55 drone, together with a Riegl VUX LiDAR sensor and a mix of digital imagery sensors, Maser Consulting provided UAS LiDAR mapping, a digital ortho-rectified image, oblique imagery, video & CAD mapping files in support of the Great Falls-Dearborn Headworks Spillway and Great Falls Diversion Dam.

**Standard Pacific Homes - Meadow Pointe IV
Wesley Chapel, Pasco County, FL**

Provided survey services for the construction of Meadow Pointe IV, a planned community built by CalAtlantic Homes (formerly Standard Pacific Homes). The 138-acre site houses 117 homes, six ponds, and a park. Services included construction staking services for the initial land development of the planned community, as well as staking for the ponds, lots, roads, walls, and all utilities for Phase 1 of the project. Provided staking for the walls and pond in Phase 2, along with mass grading of the street and lots.

**All Aboard Florida Rail Project SR 528 Corridor Survey
City of Orlando, Orange County, FL**

Survey Crew Chief providing Mobile LiDAR services and post-processed and delivered data in support of AMEC Foster Wheeler and HNTB for design survey services for the planned All Aboard Florida Rail project, which spans the state of Florida from Miami to Orlando. Tasks included utilizing Mobile LiDAR to capture 3D point cloud information along a seven-mile stretch of SR 528 for the proposed rail design. Using this technology allowed rapid collection of survey information and reduced safety risks for technical staff and the public. 3D extraction of features and creation of FDOT compliant deliverables were also performed for this project.

**SR 54 Design Build Survey Services, FDOT District 7
Pasco County, FL**

Survey Crew Chief providing Mobile LiDAR services and post-processed and delivered data for this design-build contract, which consisted of road widening, sidewalk design, and signal redesign for seven miles of SR 54. Responsibilities included utilizing Mobile LiDAR, Static LiDAR, and Aerial LiDAR to create standard FDOT compliant deliverables. TopoDOT was used to extract 3D break lines, features, and ground points for creation of a detailed DTM and standard 2 planimetric files. This information was also combined with conventional boots on the ground survey data and existing information provided by the FDOT from earlier surveys in order to completely cover the corridor width. This investigation found about 70% of the corridor needed to be resurveyed, a process that was completed in a timely matter by leveraging the LiDAR technology.

**Topographic Surveying for Duval-Kingsland 230 KV Line R/W, NW
City of Jacksonville, Duval County, FL**

Utilizing RTK GPS to establish control for the traverse along the transmission line for a corridor survey along an existing power line easement, with the purpose of locating the transmission line and redefining the easement for Florida Power & Light. Due to the speed of the robotic total station, the 20-mile transmission line was traversed in two weeks along with the location of property corners, transmission line towers, guy anchors, fences, crossing roads, and sections corners. Using a laptop, was able to process the field work each night. The laptop and WIFI mobile hotspot proved to be invaluable when searching for section corners away from the transmission line and with internet access researched the section corners in real time from the survey truck. Upon completion of the field work and with documentation from the client, the project surveyor was able to determine the proper location of the easement. Then with the speed of the robotic total station, set approx. 42 concrete monuments in four work days.

**Surveying Services for I-275-SR 60 Interchange, FDOT District 7
City of Tampa, Hillsborough County, FL**

Involved in this project from site planning, HDS efforts and data processing, to deliverable creation. Responsible for the processing of control traverses using StartNet least squares adjustments, conventional topographic data, vertical level loops and HDS data extraction out of point clouds using TopoDOT. Project entailed the development of detailed topographic and elevation data for numerous areas along the Interstate 275/State Road 60 interchange in Tampa, FL. Working directly with FDOT District 7, developed a field plan to utilize High Definition Surveying (HDS) and integrated RTK GPS/robotic total station survey techniques.

MICHAEL CALVO

Lead Designator – Subsurface utility Engineering

As a subsurface utility engineering lead designator, Mr. Calvo has worked on various project assignments for various public and private sector clients including the Florida Department of Transportation, counties and cities in Broward and Palm Beach Counties. Mr. Calvo is one of our lead investigators, responsible for leading designating and locating crews to successful completion of assignments. His responsibilities include assisting project managers, serving as client liaison, communicating with utility owners, contacting state “One-Call” systems, and ensuring compliance with all Maser Consulting safety and subsurface utility engineering operations.

EDUCATION

- High School Diploma, Olympic Heights High School, Boca Raton, FL, 2002

PROFESSIONAL CERTIFICATIONS

- OSHA 10 Hr Certification

PROJECTS

Engineering Consultant Services for Highway Construction and Engineering Design Broward County, FL

Provided surveying and subsurface utility engineering support for various county-wide transportation and general civil engineering projects. Typical services included design surveys, topographic surveys, water crossing surveys, 3D laser scanning, utility designation, locating and mapping to support project designs as well as post-construction services associated with new traffic signals, signal conversions, mast arm installations, evaluations of existing utilities, roadway widening, bridge rehabs, intersection improvements and school zone improvements among others.

FDOT D6 Districtwide Utility Location Services Miami-Dade County, FL

Provided underground utility location services, including physical locates and surface designations to FDOT District 6 for contract FM #250723-2-32-03/-04. Through designating, locating and mapping services, supported the District’s current work program in completing the design and development of construction plans. Completed 2020

Palm Beach International Airport GPR for Utility Clearance West Palm Beach, Palm Beach County, FL

Provided Quality Level “B” utility designation identifying eleven locations in the Northwest portion of the airport. Keith and Associates designated tone able and non-tone able underground utilities to facilitate their removal and allow for drilling by PSI for execution of their scope.

Miscellaneous Subsurface Utility Engineering Contract for the School Board of Broward County Broward County, FL

Miscellaneous surveying and SUE services to include Utility Horizontal Designation, Utility Location Services and Mapping Services on an as-needed basis. Tasked with providing the ASCE Standard Quality Level B (Designating) and Quality Level A (Locating) Subsurface Utility Engineering services.

Wiles Road Locates

City of Coral Springs, Broward County, FL

Provided subsurface utility engineering (SUE) services for this project for the City of Coral Springs Public Works Utilities Division. Responsible for providing Quality Level 'A' locations for the City of Coral Spring's Water facilities. The firm identified a 12" cast iron watermain for the city to mitigate potential conflicts with the proposed design.

SUZANNE M. ZITZMAN, GISP

Principal/Manager Asset Management Services

EXPERIENCE

Ms. Zitzman has over 31 years of extensive GIS/GPS project management, design, and mapping experience in the planning and civil engineering fields. Her skills include various aspects of utilizing web-based geographic information systems involving zoning maps, tax maps, land development analysis, environmental features mapping, land use planning, and infrastructure management. Her experience includes training of in-house and client staff in Esri ArcGIS, and Autodesk products. She has been a keynote speaker on GIS technology applications at various state level conferences and received a national recognition award for her achievements in implementing web-based GIS management and public communication portal programs for local government.

EDUCATION

- A.A.S. Applied Science, Brookdale Community College, 1985

PROFESSIONAL CERTIFICATIONS

- Geomatics Professional Certificate, Rutgers University
- Geographic Information Systems Professional: GISP

PROFESSIONAL AFFILIATIONS

- AWWA
- MAC URISA
- NJWEA
- NCAUG
- NYSAC
- NJWA

PROFESSIONAL EDITORIALS/ KEYNOTE SPEAKING ENGAGEMENTS

- 2020 April/May NY Towns & Topics Magazine "Do You Really Know your Assets?" Article
- 2020 April Blog "Confused with FEMA COVID-19 Relief Applications"
- 2020 NYSAC Conference Keynote Speaker "Improving Data Collection through GIS"
- iCIMS 2016 Panelist, "Women in Technology: Shaping the Workforce of Tomorrow"
- POB Online Magazine Dec 2016 Transportation Management Benefits eGIS
- 1IT Enterprise Magazine July 2016 Managing Transportation Assets with Enterprise GIS (eGIS)

UTILITY AUTHORITY PROJECTS

Brick Township Municipal Utilities Authority (BTMUA) Needs Assessment & Implementation Plan Water Distribution and Sanitary Sewer Collection System Brick Township, Ocean County, NJ

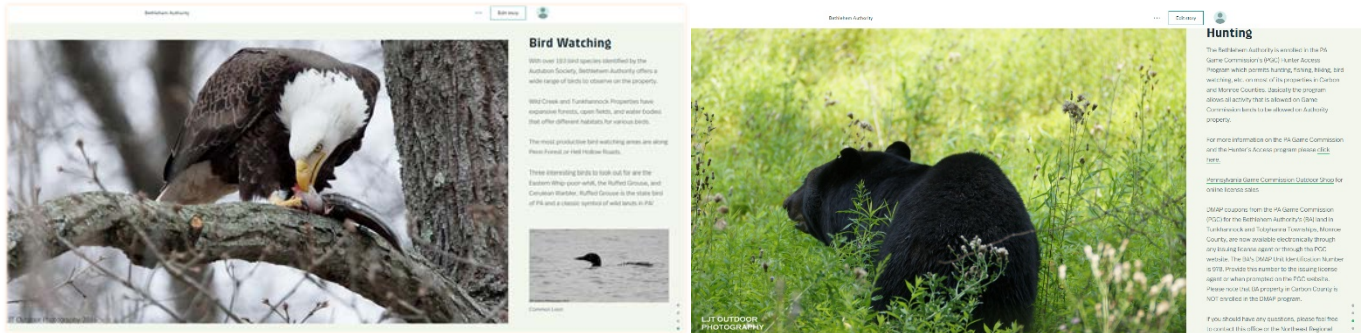
Conducted GIS Needs Assessment for client who services 100,000 customers, managing a 16 million gallon a day water treatment plant, 700 miles of piping, 5 water storage tanks, with 27 sewage stations. Ms. Zitzman managed this project, where daily operations related to O&M procedures were reviewed for efficiency in servicing customer complaints, and scheduling of O&M services for both water distribution and sewer collection system.

A review of existing Esri ArcServer, ArcSDE, ArcCollector applications were evaluated for efficiency and use of technology relating to the management of Authority asset data (water and sewer). Existing use of a variety of software such as Sage, Edmunds, CMMS where reviewed with recommendations on integration of such programs to an Authority-wide Enterprise Geographic Information System (eGIS) program, and in some case recommendations on abandoning programs that were categorized as inefficient where the eGIS program could enhance operations and efficiencies. The project continued with a full implementation of Esri web applications and Esri partnered Asset Management solutions, installed on the Authority's Esri ArcServer. System manages work order requests, facility asset inspections, condition and risk assessment of assets. The program has achieved high levels of O&M efficiency and enhanced customer service.

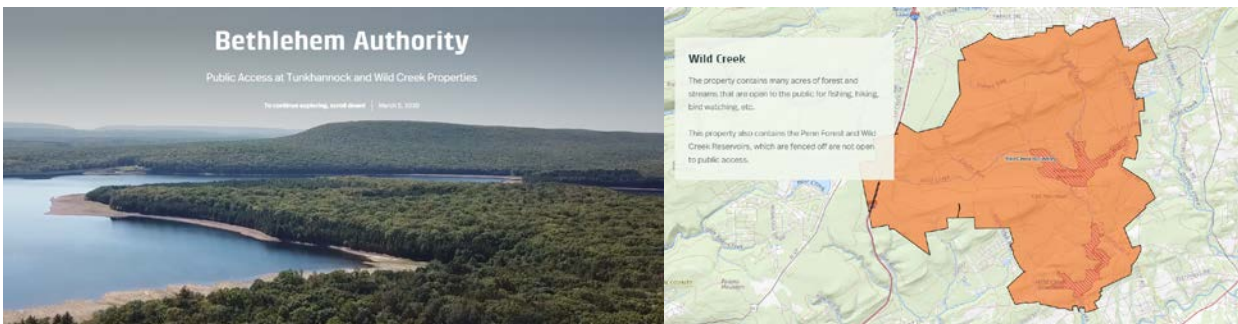
Esri Story Map for 26,000 Acre Watershed Bethlehem Authority, Northampton County, PA

Managed team to create an Esri story map for public consumption, covering 26,000 acres of watershed, describing uses and historic references. Our team currently maintains the map for the Authority and provides training and access permissions to the editing end-users of the program.

The publicly consumed story map instills awareness to the pristine nature of the lands, empower residents and visitors to maintain its current state, refrain from causing environmental damage such as littering and damaging the natural habitats.



Activities are listed throughout the story map for Bird Watching, Hunting and Fishing. Hiking trails with locator map will engage the public to access designated areas to enjoy the nature and beauty of the preserved lands.



Community engagement and understanding of the significance of maintaining the watershed through GIS story mapping, will preserve the lands for future generations to enjoy.

MUNICIPAL PROJECTS

GPS Stormwater Management Programs

Responsible for managing company stormwater projects related to state MS4 regulations and field locating stormwater structures using GPS technology. While locating the outfalls, stormwater illicit connection inspections are done by using a proprietary mobile application, entering inspection data by several methods based on client preferences. These methods include GPS Trimble data collector units, Esri web app builder, Esri Survey123, and Esri Collector. The data is then reported through a digital process using the state Stormwater Management standard format. Variations in Maser Consulting staff and Public Works staff depends on client preference, performing water sampling on illicit connection cases. Water sample reports are generated, along with GIS index mapping, of entire municipal stormwater outfall systems. Managing the GIS team to create web-based GIS asset management program that are hosted by Maser Consulting through Esri ArcServer and Portal.

MICHAEL KOLODY

Associate/Project Manager/GIS Services

EXPERIENCE

EDUCATION

- B.A. Geography with GIS Major, West Virginia University, 2004
- GIS Concentration, Linköping University, Sweden, 2004

PROFESSIONAL CERTIFICATIONS

- Parsons Project Management Certification (PMC)
- Trimble Mapping Grade GPS Certified
- Leadership in Energy and Environment Accredited Professional (LEED AP)
- OSHA 40 Hr HAZWOPER Training
- Loss Prevention System (LPS) Training
- Locus Environmental Information Management (EIM) SuperUser Training
- CPR/First Aid
- Transportation Workers Identification Credential (TWIC)
- Smith System Defensive Driver

COMPUTER SKILLS

- Esri ArcGIS for Desktop
- Esri Spatial Analyst
- Esri ArcGIS Online, WebApp Builder, and Operations Dashboard
- Esri Mobile Applications – Workforce, Collector & Survey123
- DTS VUEWorks and MobileVUE
- Trimble GeoExplorer Series GPS Units
- Trimble TerraSync & Pathfinder Office
- Autodesk AutoCAD

Mr. Kolody is a Project Manager and geographic information systems (GIS) specialist with over 14 years of experience in managing GIS asset management projects. Specializing in configuring and deploying Esri web maps and apps to assist clients with improving efficiency levels for operation and maintenance activities through the implementation of GIS program processes.

Mr. Kolody supervises department level office and field operations involving GIS mapping grade Global Positioning Systems (GPS) surveying, asset inventorying and form-based asset condition assessment operations. He employs an innovative and resourceful approach to execute projects successfully, manage diverse teams, and communicate technical details to non-technical stakeholders.

He has provided GIS and data management services to public and private sector clients, collaborating with client field and office stakeholders, providing knowledge-based training and discussions on how GIS technology will be used to assist in daily operations related to sub surface, surface, aerial assets and facilities.

His experience includes data collecting, processing, and managing of spatial and analytical data. Such processes are developed through Mr. Kolody conducting needs assessment interviews with project stakeholders, providing GIS asset management program implementation plans. Mr. Kolody maintains his skillset by enrolling in health and safety, technical and regulatory training to maintain certification and knowledge in national and state asset regulations such as; National Pollutant Discharge Elimination System EPA regulations, OSHA training, and state level property tax assessment mapping regulations.

Mr. Kolody manages client end-user training; overseeing configuring and implementing of web-based GIS applications for field and office client through mobile devices.

GIS PROJECTS

Cornwall-on-Hudson MS4 Mapping Project Village of Cornwall-on-Hudson, Orange County, NY

Provided GIS services to the Village of Cornwall-on-Hudson to map the municipal facilities, storm sewer system, and additional elements for watershed improvement strategy areas to achieve pollutant load reduction. Mapped elements included type of conveyance system; closed pipe; open drainage; outfalls, drop inlet, catch basin, and manhole locations; number of connections to catch basins and manholes; and direction of flow. The project will improve water quality by not only allowing the Village to track the source of observed dry weather flow at outfalls, but also to manage the tracking process.

Implementing this project will track potential sources of discharge pollutants and reduce stormwater pollutant runoff, which will have the potential to impact the 1.75 miles of streams located within the Village, the Hudson River, and waterbodies impacted by the Village's stormwater by reducing contamination. Mapping created for this project will satisfy the NYSDEC SPDES Part IX.A.3.a and Part VIII.A.3 Water Quality Improvement Project (WQIP).

**Stormwater Fee Impervious Data Calculations
City of Bethlehem, Northampton County, PA**

Oversee quality control procedures and staff guidance where the team utilized existing aerial mapping and City parcel mapping to create impervious GIS coverage per commercial and a sample of 1,000 residential properties. Data will be utilized to create a Citywide stormwater fee based on impervious coverage.

**Upper Montgomery Joint Authority GIS Needs Assessment Sewer and Stormwater
Pennsburg Borough, Montgomery County, PA**

Provided professional services to conduct a GIS needs assessment. Key staff members were interviewed to identify where GIS can be implemented to support a more efficient approach in tracking and maintaining sewer collection and stormwater system assets. Created a GIS geodatabase and GPS data dictionary for the UMJA. Provided Esri ArcGIS for Desktop training to UMJA GIS staff.

**Western Monmouth Utilities Authority
Township of Manalapan, Monmouth County, NJ**

Maser Consulting migrated the Authority's existing sanitary sewer CAD base map into a Geographic Information System (GIS) format. We utilized high-resolution aerial imagery combined with centimeter-grade Global Navigational Satellite System (GNSS) data to georeference the sanitary sewer system to real-world coordinates. The Authority benefits by having the GIS data in the New Jersey State Plane Coordinate System, as they are now able to overlay their sanitary sewer system with other GIS data, such as soil type, sewer service areas, flood data, parcel data, and more.

Upon completion of the GIS database, our team implemented the VUEWorks Asset Management software, which allows the Authority to perform preventative maintenance on assets, including the sewer collection system, treatment plant, pump stations, fleet vehicles, and more. This asset management system also allows the Authority to move from a paper-based workflow for inspections and work orders into a completely digital workflow in the field and office. Our team also created and configured the Authority's Esri ArcGIS Online (AGO) organizational account, which enables the Authority to collaborate with outside agencies, consultants, and/or the public by sharing maps and data online. We prepared a large-format, presentation-quality map of the entire sewer system and published a public web mapping application that lets customers identify if they are within the existing sewer service area. Implementing GIS at the Authority improved access to important information and increased workforce efficiency while saving money associated with asset management and extending the life of the Authority's assets.

ESRI VIRTUAL CAMPUS COURSES

- ArcGIS 4: Sharing Content on the Web
- Learning ArcGIS Part I & II
- Intro to Visual Basic 6
- Creating, Editing, and Managing Geodatabases for ArcGIS
- Cartographic Design Using GIS
- Creating and Editing Geodatabase Features
- Working with Rasters in ArcGIS
- Learning ArcGIS Spatial Analyst

MEGAN TURI

GIS Specialist

EXPERIENCE

EDUCATION

- B.S. Environmental Science, University of Delaware, 2014

PROFESSIONAL CERTIFICATIONS

- FAA Part 107 sUAS Certified Airmen

SOFTWARE SKILLS

- Esri ArcGIS for Desktop
- ArcGIS Pro
- Esri ArcGIS Online, WebApp Builder, & Operations Dashboard
- Esri Mobile Applications – Workforce, Collector, & Survey123
- Autodesk AutoCAD
- Trimble GeoExplorer GPS Units
- Eos Arrow Series GNSS Receivers
- DTS VUEWorks

ESRI ACADEMY TRAINING

- Getting Stated with ArcGIS Pro
- Working with Geometric Networks
- Using ArcGIS for Water Utility Networks
- ArcGIS II – Essential Workflow

Ms. Turi has five years of experience in Geographical Information Systems (GIS) data creation and design with an emphasis on utility, rail and transportation. She has experience configuring web-based GIS applications for mobile devices, particularly for utility clients, and provides GIS and GPS end-user training. She is responsible for deployment of Esri ArcGIS Online accounts for clients, and the setup of Esri web apps and maps for client and public consumption.

Ms. Turi's GIS mapping responsibilities consist of creating and maintaining cadastral datasets including Esri parcel fabric, asset record mapping, land use, utility systems, rail, and tax property maps. She also has experience working with linear referencing systems for transportation assets and GIS data modeling for Federal Highway Administration sign inventory projects.

PROJECTS

GIS Development Plan – Post Hurricane Sandy Borough of Sea Bright, Monmouth County, NJ

Through Post- Hurricane Sandy Planning Assistance Grant Program Funding, a review of existing processes and procedures was conducted to provide a recommendation on how GIS can assist the Borough with planning and managing pre- and post-storm events. The work plan developed will enable the Borough to increase its ratings for the Community Rating System (CRS) program, allowing the Borough to achieve better insurance premiums for their community. The Borough will utilize the work plan to assist with enhancing their current GIS program to track additional permit application and to bring a public-facing GIS component to the community.

Mount Laurel Township Municipal Utilities Authority Mount Laurel Township, Burlington County, NJ

Ms. Turi provides on-site GIS specialist services at the Authority. She coordinated efforts to migrate the Authority's existing GIS to a web- and mobile-based eGIS that is used by all departments in the field and office. Created web maps for the water distribution, sanitary sewer, and stormwater conveyance system. Created Operations Dashboard views to allow supervisors the ability to monitor the progress of field activities such as sewer cleaning and videoing, valve inspections and exercising, and hydrant flushing. Configured hardware and implemented a centimeter-grade GPS/GNSS data collection workflow to allow the MUA to collect the location of new assets and improve the accuracy of assets already stored in the GIS. Joined external data from the AMS customer database to the GIS data. Assisted in the installation and configuration of ArcGIS for Server. On-site weekly to provide oversight of the MLTMUA GIS staff, guidance on GIS workflow, and quality control of editing.

**Esri ArcGIS Online and Asset Management Program
Bayshore Regional Sewerage Authority
Borough of Union Beach, Monmouth County, NJ**

Project Manager tasked to deploy Esri ArcGIS Online coupled with a commercial off the shelf GIS Asset Management Program to initiate the use of GIS at BRSA. Conducted a needs assessment and recommendation of phase one deployment which included the setup of Esri ArcGIS organizational account, standardizing existing asset data of forcemains, sewer collection mains, and pump stations. Designed forms and training on the use of Esri Survey123 to provide mobile data inspection for manholes and pump stations.

**Water Quality Accountability Act Mapping
Matawan Borough Water Department, Monmouth County, NJ**

Project involved the configuration of the Borough's AGO Esri organizational account and the creation of a water distribution Esri web map. A second web map was created for the sanitary sewer and stormwater drainage systems. The web maps allow the Borough to access the GIS mapping over the internet and to utilize the Collector for ArcGIS mobile application to collect additional attribute data in the field. The Borough manages their water distribution, sanitary sewer and stormwater system through their GIS program. Training and on-call services are provided to the Borough annually.

**GIS Mapping and GPS Field Location – Hydrants, Signs and Light Poles
Tenafly Borough, Bergen County, NJ**

Created asset feature datasets using Esri local government model for hydrants, signs and light poles through the use of Global Positioning Systems (GPS). Attributed information and x,y locations of the features were gathered utilizing the Survey123 Mobile Application and Collector for ArcGIS. The data was then incorporated into the GIS to allow for future development review purposes and to make the annual inspections more efficient for the Borough's Public Works department.

**PennDOT District 6 – Sign Inventory and Transportation Collection and Geodatabase Modeling
Various Locations, PA**

Provided professional LiDAR and GIS mapping services to collect data along 100 miles of PennDOT District 6 routes. A geodatabase was created to manage the roadway surface features, including mapping curbing, medians, lanes, roadway shoulders, and pavement markings. The geodatabase included curve advisory inspection data, matching curves to existing speed limit signage.

The signs were catalogued by MUTCD code, reflectivity condition, and daytime condition. The data will be used to manage the maintenance of their route signage network. Project data was delivered in Esri geodatabase format for signs, pavement markings, roadway geometry, straight line diagrams, and corresponding design level Microstation basemaps following PennDOT's CAD standards. Esri Collector for ArcGIS was implemented as a pilot to test the mobile application for potential sign maintenance process during field visits for sign replacement.

Straight Line Diagrams (SLD) were created as dynamic Esri based datasets. The geodatabase edits update the SLD map book real time, allowing field staff to utilize ArcGIS Web Apps to locate sign and signal data realtime, with the ability to perform field edits, posting back the the eGIS program server.

ROBERT KRISKOWSKI

Web GIS Specialist

EXPERIENCE

EDUCATION

- M.A. Education and Human Services, Seton Hall University, 2013
- B.S. History and Geography, Rutgers University, 2007

COMPUTER SKILLS

- Esri ArcGIS for Desktop
- Esri ArcGIS Server
- Esri ArcGIS Online
- Survey123 for ArcGIS
- Collector for ArcGIS
- Workforce for ArcGIS
- Web AppBuilder for ArcGIS
- Trimble GeoExplorer GPS Units
- Trimble Pathfinder Office and Terrasync
- Adobe Photoshop
- ERDAS Imagine
- Python Scripting
- IDRISI Andes
- SAS
- Bentley WaterGEMS
- Microsoft Office
- Microsoft Internet Information Services
- SQL Server Management Studio
- VUEWorks
- MobileVUE

Mr. Kriskowski has over 13 years of experience as a GIS specialist with strong roots in managing GIS assets and Information Systems (IS) within the municipal environment. He has over five years of experience working in Information Technologies (IT), managing the publication of web services and websites, configuration of mobile applications integration, as well as deployment, configuration, and maintenance of Esri ArcGIS Server and all web related components necessary to run a full complement of web and mobile based applications. His expertise encompasses all GIS responsibilities including the creation, maintenance and analysis of GIS data. This includes programs for tax maps, zoning maps, utility maps, street signage, street lights, water distribution, wastewater collection, stormwater management, field collection of assets, asset inspections, environmental research and analysis, land records management and topographical data. He is well-versed in database management and servers associated with geographic information systems platforms.

Mr. Kriskowski has utilized Global Positioning Systems (GPS), field observations, data packages and municipal archives to locate, identify and record township utilities. He spearheaded the process of departmental integration of GIS data into department specific programs and has been instrumental in the deployment of Asset Management Programs for clients. In addition, he has served as an IS Administrator responsible for server maintenance, network connections, website design and troubleshooting, PC troubleshooting, PC construction, printer/copier troubleshooting, website design and troubleshooting, as well as other IT duties.

PROJECTS

FAA William J. Hughes Technical Center GIS Mobile Application Asset Inspection, 20 Year Infrastructure Master Plan Egg Harbor Township, Atlantic County, NJ

The WJHTC Center Operations Group (COG) provides design, construction, maintenance and operation services for the campus facilities. Currently the FAA is managing the Facilities Master Plan (FMP) which is a compilation of several past building centric master planning efforts. The Infrastructure Master Plan is to incorporate external building infrastructure that has not been addressed in previous master planning efforts. Upon completion of this task order, the FAA will incorporate the recommended projects into the FMP project list to prioritize, budget and schedule a comprehensive yearly capital improvement program related to operations and maintenance of infrastructure projects.

The Phase One project scope was to evaluate and assess the existing utilities infrastructure on the FAA 5,060-acre campus utilizing their GIS data. Site infrastructure utility evaluations included

electrical, civil/site, stormwater, water, wastewater, and telecommunications. The Maser Consulting team utilized mobile and web-based GIS mapping applications to define its scope of work by discipline for field inspections utilizing iPad tablets, GIS software, Survey123 for ArcGIS, Collector for ArcGIS and Workforce for ArcGIS technology. Upon completion of the field inspections, Phase Two of the project is the development of recommended projects for the 20-Year Infrastructure Master Plan. The data collected includes condition assessment, importance factor, maintenance rating, potential future replacement and recommended improvements. The types of recommended projects include conducting studies/assessments, upgrades and/or replacement of utilities infrastructure including electrical, civil/site, stormwater, water, wastewater and telecommunications along with the project cost estimates, escalation, contingencies and estimated engineering fees associated with each project. Services include project management, GIS, electrical, water/wastewater, civil/site and stormwater, telecommunications and security engineering, construction cost estimating and scheduling.

Hardware Inventory Inspections, New York City Department of Design and Construction New York City, NY

Worked with Maser Consulting's Survey Department to modify process of field inspections of NYCDDC Hardware Inventory. Utilizing a configuration of Collector for ArcGIS and Survey123 for ArcGIS, Mr. Kriskowski developed a web service which incorporated known attribute information as well as data management attributes into a service available to the field inspection crew. When inspection was to occur, field crew members would add or click on an existing point launching an inspection form relevant to the specific assets being inspected. Relevant attribute information pre-populated the form to limit manual input of data and ensure proper input of attribute information. Inspection forms, including attributes, condition values and photographs, were updated in real-time to a GIS database to ensure data would not be lost. Once field collection was completed, Mr. Kriskowski created 14 formatted report templates matching submission requirements for NYCDDC submittals. Inspection forms were exported into the templates, reducing the time required for post-inspection office components of the project.

Customer Database Integration to eGIS Program - Township of Middletown Sewerage Authority Middletown Township, Monmouth County, NJ

Updated and edited parcel data to connect with sanitary sewer customer accounts from the Authority's Edmunds Customer Database. Worked with The Authority to resolve issues with outdated and erroneous accounts to create connectivity of over 23,000 accounts with their corresponding locations at a rate of 99.8% connectivity. Published the database to the Authority's eGIS program to provide staff with access to account data which is displayed via address, account number, block or lot when staff are handling customer service requests.

GIS Mapping and GPS Field Location – Street Lights/ Fire Hydrants/ Street Signs Tenafly Borough, Bergen County, NJ

Our team was tasked with locating street light, fire hydrant, and street sign assets within the Borough of Tenafly. Mr. Kriskowski used a configuration of Collector for ArcGIS and Survey123 for ArcGIS to perform asset locating and field inspections of the assets in question. Attributes, condition assessments, and photographs were captured in the field and updated in real-time to a GIS database, eliminating data entry in the office and the risk of losing inspection records.

eGIS Program Implementation, Plainfield City Municipal Utilities Authority City of Plainfield, Union County, NJ

Assisted Esri technicians with the deployment of an eGIS Program for the City of Plainfield MUA. Configured and deployed the eGIS Program for work order, fleet management, and service requests. Integrated Edmunds Customer Account database to the parcel base for inquiry and reporting during customer location inquiries.

James D. Stoner, P.S.M.
President

Professional Profile

Mr. Stoner is a second generation Land Surveyor, with over forty years of surveying experience in South Florida. He began his surveying career at Williams, Hatfield, & Stoner, Inc. working from the bottom as a Rodman, all the way up to Vice President of the Surveying Department.

Mr. Stoner founded Stoner & Associates, Inc. in 1988, based on the philosophy that attention to detail and quality work would create a successful firm. He manages all aspects of the firm's growth and development.

Mr. Stoner has supervised both small and large scale surveying projects. His firm has successfully completed numerous roadway and other various projects, while working directly with the clients and consultants.



Education

Associates of Science in Land Surveying
Palm Beach Community College in 1979

Professional Registrations

State of Florida Professional Surveyor and Mapper
License Number LS4039

Professional Affiliations

Florida Surveying and Mapping Society
Florida Surveying and Mapping Society – Broward Chapter
American Congress on Surveying and Mapping
Leadership Broward

Richard G. Crawford, Jr., P.S.M.
Senior Project Manager

Professional Profile

Mr. Crawford has been with Stoner & Associates, Inc. for over twenty-seven years, and has over thirty-four years of experience within our industry. During this time, his experience has grown to include all of the types of surveys performed by our firm.

Mr. Crawford is well trained and proficient in the processing of survey data collection from a variety of data collection devices, such as GPS, Digital Leveling, and Conventional Total Stations. He is also proficient in the preparation of survey drawings using AutoCAD, MicroStation, and Carlson Survey.

Mr. Crawford is responsible for the day to day management and operations of the Field Crews and Office Support Staff. He is also responsible for preparing estimates for both Construction and Engineering Design Surveys.



Education

Associates of Science in Land Surveying
Palm Beach Community College in 1994

Associates of Arts in Architecture
Broward College in 1986

Professional Registrations

State of Florida Professional Surveyor and Mapper
License Number LS5371

Professional Affiliations

Florida Surveying and Mapping Society
Florida Surveying and Mapping Society – Broward Chapter
American Congress on Surveying and Mapping
Leadership Broward



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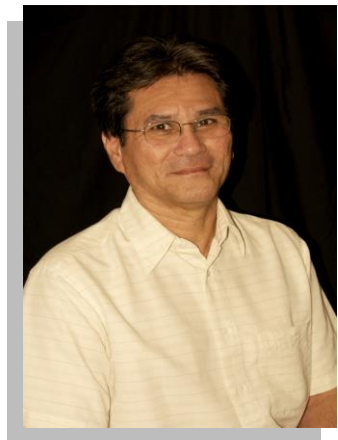
Walter De La Rocha, P.S.M.
Project Surveyor

Professional Profile

With over twenty-five years of experience under his belt, **Mr. De La Rocha** has extensive experience in ALTA/ACSM Land Title Surveys, Design Surveys, preparing Digital Terrain Models (DTM), Right-of-Way Control Surveys, Right-of-Way Monumentation, Utility Surveys, Parcel Staking, Boundary Survey, and Topographic Surveys.

During his twenty years of employment with Stoner & Associates **Mr. De La Rocha** has earned himself an outstanding reputation for the quality of his work.

Mr. De La Rocha is proficient in CAiCE, Eagle Point, EFB, MicroStation, Carlson Survey, and AutoCAD.



Education

Bachelors of Science in Civil Engineering
University of Nicaragua in 1982

Professional Registrations

State of Florida Professional Surveyor and Mapper
License Number LS6081

Professional Affiliations

Florida Surveying and Mapping Society
Florida Surveying and Mapping Society – Broward Chapter
American Congress on Surveying and Mapping
Leadership Broward

Professional Certifications

Intermediate Work Zone Traffic Control

Office Locations

As previously stated, we propose Daniel M. Checchia of our Delray Beach, FL office as the Project Manager and primary point of contact for this contract. Our Delray Beach operations will be the primary means of support for the City of Pompano Beach under this contract, which is approximately 16 miles from the City's offices. Our office location is listed below in addition to our team members with whom we have worked with in the past and are locally headquartered Broward County area.

PROJECT TEAM			
Firm Name	Key Personnel	Role	Location
Maser Consulting 1615 S. Congress Avenue Suite 103 Delray Beach, FL 33445 Phone: 877.627.3772	John A. Liptak, PSM	Principal-in-Charge	Delray Beach, FL
	Daniel M. Checchia	Project Manager / POC	Delray Beach, FL
	Aimara Diaz La Rosa, PSM	Senior Project Surveyor	Miami, FL
	Denis A. Denis, PSM	Project Surveyor	Delray Beach, FL
	Jose Morales, PSM	Project Surveyor	Delray Beach, FL
	Michael Cardo, PSM	Project Surveyor	Miami, FL
	Michael Ehrhart, PSM	Land Surveying / Remote Sensing / Mobile LiDAR	Tampa, FL
	R. Wyatt Altman, PSM	Branch Safety Officer / Terrestrial LiDAR	Tampa, FL
	Suzanne Zitzman, GISP	GIS / Asset Inventory Services	Allentown, PA
	Michael Kolody	GIS/Asset Inventory Services	Red Bank, NJ
Megan Turi	GIS/Asset Inventory Services	Red Bank, NJ	
Robert Kriskowski	GIS/Asset Inventory Services	Charlotte, NC	
Patrick Senne, PSM	QA/QC Manager	Orlando, FL	
Lisa DeBenedetto	Health & Safety Officer	Red Bank, NJ	
Stoner & Associates, Inc. 4341 S.W. 62nd Avenue Davie, FL 33314	James Stoner, PSM	Survey and Mapping	Davie, FL
	Richard G. Crawford, Jr., PSM	Senior Project Manager	Davie, FL
	Walter De La Rocha, PSM	Project Surveyor	Davie, FL

For your contract, we will provide not only the resources from our Delray Beach office, the dedicated office for your project, but we will also have access to the company's additional Florida offices located in Miami, Tampa, Orlando and Jacksonville, along with the resources within the balance of our offices throughout the US and our local subconsultant, **Stoner & Associates, Inc.**, committed to our team to ensure we have the resources necessary for timely responses and the completion of successful, high quality projects.

LOCAL BUSINESS EXHIBIT "A"
 CITY OF POMPANO BEACH, FLORIDA
 LOCAL BUSINESS PARTICIPATION FORM

Solicitation Number & Title: **E-21-20: Continuing Contracts for Professional
 Surveying and Mapping Services**

Prime Contractor's Name: **Maser Consulting, Inc.**

Name of Firm, Address	Contact Person, Telephone Number	Type of Work to be Performed/Material to be Purchased	Contract Amount or %
N/A			

LOCAL BUSINESS EXHIBIT "A"

N/A

LOCAL BUSINESS EXHIBIT "B"
LOCAL BUSINESS
LETTER OF INTENT TO PERFORM AS A LOCAL SUBCONTRACTOR

Solicitation Number E-21-20

TO: Maser Consulting, Inc.
(Name of Prime or General Bidder)

The undersigned City of Pompano Beach business intends to perform subcontracting work in connection with the above contract as (check below)

an individual

a corporation

a partnership

a joint venture

The undersigned is prepared to perform the following work in connection with the above Contract, as hereafter described in detail:

at the following price: _____

(Date)

(Print Name of Local Business Contractor)

(Street Address)

(City, State Zip Code)

BY: _____
(Signature)

IMPORTANT NOTE: Signatures on this form MUST be by an authorized employee of Subcontractor and must be uploaded to the Response Attachment Tab

LOCAL BUSINESS EXHIBIT "B"

N/A

LOCAL BUSINESS EXHIBIT "C"

LOCAL BUSINESS
UNAVAILABILITY FORM

BID # _____

I, _____
(Name and Title)

of _____, certify that on the _____ day of

_____, _____, I invited the following LOCAL BUSINESSES to bid work items to be performed in the City of Pompano Beach:

Business Name, Address	Work Items Sought	Form of Bid Sought (i.e., Unit Price, Materials/Labor, Labor Only, etc.)
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Said Local Businesses:

- ___ Did not bid in response to the invitation
- ___ Submitted a bid which was not the low responsible bid
- ___ Other: _____

Name and Title: _____

Date: _____

Note: Attach additional documents as available.

N/A

LOCAL BUSINESS EXHIBIT "D"
GOOD FAITH EFFORT REPORT
LOCAL BUSINESS PARTICIPATION

BID # _____

1. What portions of the contract have you identified as Local Business opportunities?

2. Did you provide adequate information to identified Local Businesses? Please comment on how you provided this information.

3. Did you send written notices to Local Businesses?

____ Yes ____ No

If yes, please include copy of the notice and the list of individuals who were forwarded copies of the notices.

4. Did you advertise in local publications?

____ Yes ____ No

If yes, please attach copies of the ads, including name and dates of publication.

5. What type of efforts did you make to assist Local Businesses in contracting with you ?

7. List the Local Businesses you will utilize and subcontract amount.

_____ \$ _____
_____ \$ _____
_____ \$ _____

8. Other comments: _____

LOCAL BUSINESS EXHIBIT "D" – Page 2

Litigation

As a large, nationally recognized engineering design and consulting services company, Maser Consulting has, over the last five (5) years, been involved in certain claims and litigation. We value the confidences of our clients as well as our contractual commitments to confidentiality and strive to avoid disclosures to and/or with third parties of the circumstances involving other engagements and clients. We would take the same position with information regarding our work on your engagement. We can, of course, confirm that there are no claims or litigation of any kind that could reasonably be expected to have a material adverse impact on, or conflict with, Maser Consulting's performance and its ability to provide the services required for this project.

COMPLETE THE PROPOSER INFORMATION FORM ON THE ATTACHMENTS TAB IN THE EBID SYSTEM. PROPOSERS ARE TO COMPLETE THE FORM IN ITS ENTIRETY AND INCLUDE THE COMPLETED FORM IN YOUR PROPOSAL THAT MUST BE UPLOADED TO THE RESPONSE ATTACHMENTS TAB IN THE EBID SYSTEM.

PROPOSER INFORMATION PAGE

E-21-20, **Continuing Contract for Professional Surveying and Mapping Services**
(number) (Title)

To: The City of Pompano Beach, Florida

The below named company hereby agrees to furnish the proposed services under the terms stated subject to all instructions, terms, conditions, specifications, addenda, legal advertisement, and conditions contained in the solicitation. I have read the solicitation and all attachments, including the specifications, and fully understand what is required. By submitting this proposal, I will accept a contract if approved by the City and such acceptance covers all terms, conditions, and specifications of this proposal.

Proposal submitted by:

Name (printed) **John Liptak, PSM** Title **Principal Associate**

Company (Legal Registered) **Maser Consulting, Inc.**

Federal Tax Identification Number **22-2651610**

Address **1615 South Congress Avenue, Suite 103**

City/State/Zip **Delray Beach, FL 33445**

Telephone No. **877.627.3772** Fax No. _____

Email Address **JLiptak@maserconsulting.com**

COMPLETE THE PROPOSER INFORMATION FORM ON THE ATTACHMENTS TAB IN THE EBID SYSTEM. PROPOSERS ARE TO COMPLETE THE FORM IN ITS ENTIRETY AND INCLUDE THE COMPLETED FORM IN YOUR PROPOSAL THAT MUST BE UPLOADED TO THE RESPONSE ATTACHMENTS TAB IN THE EBID SYSTEM.

VENDOR CERTIFICATION REGARDING SCRUTINIZED COMPANIES LISTS

Respondent Vendor Name: **Maser Consulting, Inc.**

Vendor FEIN: **22-2651610**

Section 287.135, Florida Statutes, prohibits agencies from contracting with companies, for goods or services over \$1,000,000, that are on either the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List. Further, Section 215.4725, Florida Statutes, prohibits agencies from contracting (at any dollar amount) with companies on the Scrutinized Companies that Boycott Israel List, or with companies that are engaged in a boycott of Israel. As the person authorized to sign electronically on behalf of Respondent, I hereby certify by selecting the box below that the company responding to this solicitation is not listed on the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or the Scrutinized Companies that Boycott Israel List. I also certify that the company responding to this solicitation is not participating in a boycott of Israel, and is not engaged in business operations in Syria or Cuba. I understand that pursuant to sections 287.135 and 215.4725, Florida Statutes, the submission of a false certification may subject company to civil penalties, attorney's fees, and/or costs.

I Certify



TIER 1/TIER 2 COMPLIANCE FORM

IN ORDER FOR YOUR FIRM TO COMPLY WITH THE CITY'S LOCAL BUSINESS PROGRAM AS A TIER 1 OR TIER 2 VENDOR, BIDDERS MUST COMPLETE THE INFORMATION BELOW AND UPLOAD THE FORM TO THE RESPONSE ATTACHMENTS TAB IN THE EBID SYSTEM.

TIER 1 LOCAL VENDOR

 My firm has maintained a permanent place of business within the city limits and maintains a staffing level, within this local office, of at least 10 % who are residents of the City of Pompano Beach.

And/Or

 My firm has maintained a permanent place of business within the city limits and my submittal includes subcontracting commitments to Local Vendors Subcontractors for at least 10 % of the contract value.

Or

 X My firm does not qualify as a Tier 1 Vendor.

TIER 2 LOCAL VENDOR

 My firm has maintained a permanent place of business within Broward County and maintains a staffing level, within this local office, of at least 15% who are residents of the City of Pompano Beach

And/Or

 My firm has maintained a permanent place of business within Broward County and my submittal includes subcontracting commitments to Local Vendors Subcontractors for at least 20% of the contract value.

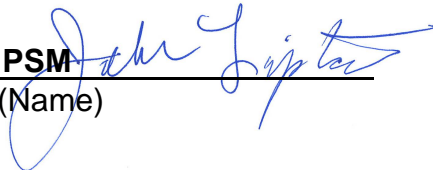
Or

 X My firm does not qualify as a Tier 2 Vendor.

I certify that the above information is true to the best of my knowledge.

7/22/20
(Date)

Maser Consulting P.A.
(Name of Firm)

BY: John A. Liptak, PSM
(Name) 

BIDDERS ARE TO COMPLETE FORM AND UPLOAD COMPLETED FORM TO THE EBID SYSTEM

EXHIBIT E

MINORITY BUSINESS ENTERPRISE PARTICIPATION

RLI # E21-20

List all members of your team that are a certified Minority Business Enterprise (as defined by the State of Florida.) You must include copies of the MBE certificates for each firm listed with your electronic submittal.

Name of Firm	Certificate Included?
Stoner & Associates, Inc.	Yes



Governmental Center Annex
115 S. Andrews Avenue, Room A680 • Fort Lauderdale, Florida 33301 • 954-357-6400 • FAX 954-357-5674 • TTY 954-357-5664

Office of Economic and
Small Business Development

This Certificate is Awarded to:

STONER & ASSOCIATES, INC.

As set forth in the Broward County Business Opportunity Act of 2012, the certification requirements have been met for:

**County Business Enterprise (CBE)
Anniversary Date: June 19th**

A handwritten signature in black ink, appearing to read "S. Stone", is written over a horizontal line.

Authorized Representative

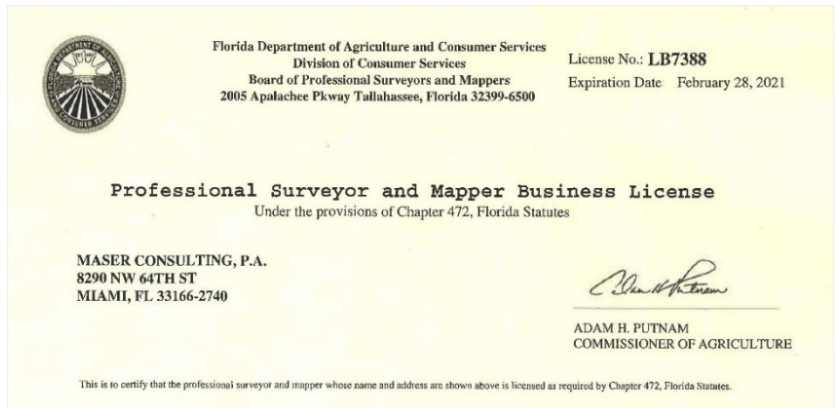
The Office of Economic and Small Business Development must be notified within 30 days of any material changes in the business which may affect ownership and control. Failure to do so may result in the revocation of this certificate and/or imposition of other sanctions.

A Service of the Broward County Board of County Commissioners
www.broward.org/smallbusiness

Professional Licenses to Practice in the State of Florida

On or about July 10, 2020, Maser Consulting entered into a new partnership with Colliers International Group, Inc., in which Colliers now retains a majority interest in Maser Consulting. This transaction included a name change to Maser Consulting, Inc. We are currently in the process of updating our Certificate of Authorization in each state to reflect this name change. We can confirm the company's Certificate of Authorization in the State of Florida will be current and expect it to reflect Maser Consulting, Inc. prior to or at project award.

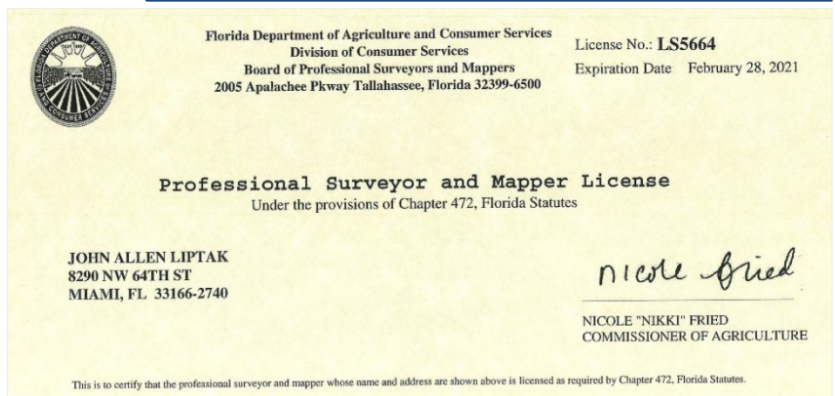
**Maser Consulting, Inc.
Surveyor & Mapper Business
License No. LB7388
Expires: 02/28/2021**




**Maser Consulting P.A.
COA License No. 30301
Expires: 02/28/2021**



**John Liptak, PSM
PSM License No. LS5664
Expires: 02/28/2021**



Aimara Diaz La Rosa, PSM
PSM License No. LS6796
Expires: 02/28/2021



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.: **LS6796**
Expiration Date February 28, 2021

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


AIMARA DIAZ LA ROSA
19333 NW 87TH CT
HAIALEAH, FL 33018-6215

Nicole Fried

NICOLE "NIKKI" FRIED
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.

Michael Cardo, PSM
PSM License No. LS7156
Expires: 02/28/2021



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.: **LS7156**
Expiration Date February 28, 2021

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


MICHAEL CARDO
11933 NW 12TH ST
PEMBROKE PINES, FL 33026-4358

Adam H. Putnam

ADAM H. PUTNAM
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.

Jose Morales, PSM
PSM License No. LS6733
Expires: 02/28/2021



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.: **LS6733**
Expiration Date February 28, 2021

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


JOSE DAVID MORALES
8290 NW 64TH ST
MIAMI, FL 33166-2740

Nicole Fried

NICOLE "NIKKI" FRIED
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.

Denis A. Denis, PSM
PSM License No. LS7017
Expires: 02/28/2021



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.: **LS7017**
Expiration Date February 28, 2021

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


DENIS A DENIS
12108 ROMERO ST
ORLANDO, FL 32837-9559

Nicole Fried

NICOLE "NIKKI" FRIED
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.

Patrick Senne, PSM
PSM License No. LS5317
Expires: 02/28/2021



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.: **LS5317**
Expiration Date: February 28, 2021

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


PATRICK SENNE
3936 CARDINAL BLVD
PORT ORANGE, FL 32127-6500

Nicole Fried

NICOLE "NIKKI" FRIED
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.

Michael G. Ehrhart, PSM
PSM License No. LS6941
Expires: 02/28/2021



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.: **LS6941**
Expiration Date: February 28, 2021

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


MICHAEL G EHRHART
3611 S OMAR AVE
TAMPA, FL 33629-8233

Nicole Fried

NICOLE "NIKKI" FRIED
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.

Robert Wyatt Altman, PSM
PSM License No. LS7062
Expires: 02/28/2021



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.: **LS7062**
Expiration Date: February 28, 2021

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

ROBERT W ALTMAN
5628 CYPRESS ST
ZEPHYRHILLS, FL 33542-4516

Nicole Fried

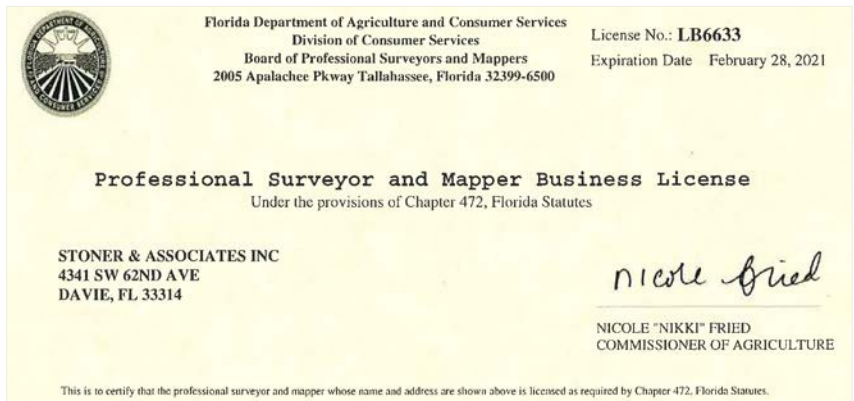
NICOLE "NIKKI" FRIED
COMMISSIONER OF AGRICULTURE

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.

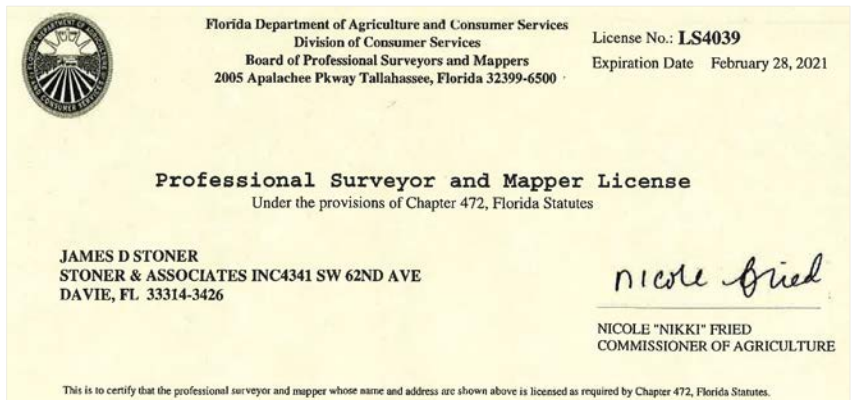
Suzanne Zitzman, GISP
Certificate No. 52262
Expires: 07/25/2022



Stoner & Associates, Inc.
Surveyor & Mapper Business
License No. LB6633
Expires: 02/28/2021



James Stoner, PSM
PSM License No. LS4039
Expires: 02/28/2021



State of Florida Certificate of Status

***State of Florida
Department of State***

I certify from the records of this office that MASER CONSULTING P.A. is a New Jersey corporation authorized to transact business in the State of Florida, qualified on March 4, 2013.

The document number of this corporation is F13000001024.

I further certify that said corporation has paid all fees due this office through December 31, 2020, that its most recent annual report/uniform business report was filed on June 1, 2020, and that its status is active.

I further certify that said corporation has not filed a Certificate of Withdrawal.

*Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capital, this
the Third day of June, 2020*



Rainald R. ...
Secretary of State

Tracking Number: 8001939817CU

To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.

<https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication>

***State of Florida
Department of State***

I certify from the records of this office that STONER & ASSOCIATES, INC. is a corporation organized under the laws of the State of Florida, filed on September 13, 1988.

The document number of this corporation is M99107.

I further certify that said corporation has paid all fees due this office through December 31, 2020, that its most recent annual report/uniform business report was filed on January 29, 2020, 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 Twenty-ninth day of January,
2020*



Rainald R. ...
Secretary of State

Tracking Number: 2922992410CC

To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.

<https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication>

FDOT Prequalification**Florida Department of Transportation**

RON DESANTIS
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

KEVIN J. THIBAUT, P.E.
SECRETARY

June 1, 2020

Leonardo Ponzio, Executive Vice President
MASER CONSULTING P.A.
331 Newman Springs Road, Suite 203
Red Bank, New Jersey 07701

Dear Mr. Ponzio:

The Florida Department of Transportation has reviewed your application for prequalification package and determined that the data submitted is adequate to technically prequalify your firm for the following types of work:

- Group 8 - Survey and Mapping
 - 8.1 - Control Surveying
 - 8.2 - Design, Right of Way & Construction Surveying
 - 8.3 - Photogrammetric Mapping
 - 8.4 - Right of Way Mapping
- Group 9 - Soil Exploration, Material Testing and Foundations
 - 9.1 - Soil Exploration
 - 9.4.1 - Standard Foundation Studies
- Group 10 - Construction Engineering Inspection
 - 10.1 - Roadway Construction Engineering Inspection
 - 10.3 - Construction Materials Inspection
- Group 13 - Planning
 - 13.6 - Land Planning/Engineering

Your firm is now technically prequalified with the Department for Professional Services in the above referenced work types. The overhead audit has been accepted, and your firm may pursue projects in the referenced work types with fees of any dollar amount. This status shall be valid until June 30, 2021 for contracting purposes.

Approved Rates

Home/ Branch Overhead	Facilities Capital Cost of Money	Premium Overtime	Reimburse Actual Expenses	Home Direct Expense
171.61%	1.131%	Reimbursed	No	0.00%

Safety, Mobility, Innovation
www.fdot.gov

Certificate of Liability Insurance


ACORD™	Client#: 48473	MASERCONSU1	DATE (MM/DD/YYYY) 6/22/2020
CERTIFICATE OF LIABILITY INSURANCE			
<p>THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.</p>			
<p>IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer any rights to the certificate holder in lieu of such endorsement(s).</p>			
PRODUCER Marsh & McLennan Agency LLC 18000 Horizon Way Mount Laurel, NJ 08054	CONTACT NAME: PHONE (A/C, No, Ext): E-MAIL ADDRESS: somersetclsupport@mma-ne.com FAX (A/C, No):		
INSURED Maser Consulting P.A. 331 Newman Springs Rd, Suite 203 Red Bank, NJ 07701	INSURER(S) AFFORDING COVERAGE INSURER A : National Union Fire Ins Co PittsburghPA NAIC # 19445 INSURER B : Travelers Property Casualty Co of Amer 25674 INSURER C : New Hampshire Insurance Company 23841 INSURER D : Allied World Specialty Insurance Co. 16624 INSURER E : INSURER F :		

COVERAGES	CERTIFICATE NUMBER:	REVISION NUMBER:
<p>THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.</p>		

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			GL9925559	03/01/2020	03/01/2021	EACH OCCURRENCE \$2,000,000 DAMAGE TO RENTED PREMISES (E-a occurrence) \$100,000 MED EXP (Any one person) \$25,000 PERSONAL & ADV INJURY \$1,000,000 GENERAL AGGREGATE \$4,000,000 PRODUCTS - COMP/OP AGG \$2,000,000 \$
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS ONLY <input checked="" type="checkbox"/>			CA4773685	03/01/2020	03/01/2021	COMBINED SINGLE LIMIT (E-a accident) \$2,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> EXCESS LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS-MADE DED: <input checked="" type="checkbox"/> RETENTION \$0			ZUP31N1005A20NF	05/01/2020	03/01/2021	EACH OCCURRENCE \$10,000,000 AGGREGATE \$10,000,000 \$
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	WC025893715	03/01/2020	03/01/2021	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE - EA EMPLOYEE \$1,000,000 E.L. DISEASE - POLICY LIMIT \$1,000,000
D	Excess Liability			03123183	05/01/2020	03/01/2021	\$15,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Evidence of Insurance

CERTIFICATE HOLDER Maser Consulting P.A. 331 Newman Springs Road, Suite 203 Red Bank, NJ 07701	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 
--	--



MASECON-01

MCALLAHAN

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
2/25/2020

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

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

PRODUCER Ames & Gough 859 Willard Street Suite 320 Quincy, MA 02169	CONTACT NAME: PHONE (A/C, No. Ext): (617) 328-6555	FAX (A/C, No.): (617) 328-6888	
	EMAIL ADDRESS: boston@amesgough.com		
INSURED Maser Consulting, P.A. 331 Newman Springs Road Suite 203 Red Bank, NJ 07701-5699	INSURER(S) AFFORDING COVERAGE		NAIC #
	INSURER A : Berkley Insurance Company A+, XV		32603
	INSURER B :		
	INSURER C :		
	INSURER D :		
	INSURER E :		

COVERAGES **CERTIFICATE NUMBER:** **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSD. WVD	POLICY NUMBER	POLICY EFF. (MM/DD/YYYY)	POLICY EXP. (MM/DD/YYYY)	LIMITS
	COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: POLICY PRO-JECT LOC OTHER:					EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMP/OP AGG \$
	AUTOMOBILE LIABILITY ANY AUTO OWNED AUTOS ONLY SCHEDULED AUTOS <input type="checkbox"/> <input type="checkbox"/> HIRED AUTOS ONLY NON-OWNED AUTOS ONLY <input type="checkbox"/> <input type="checkbox"/>					COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
	UMBRELLA LIAB OCCUR EXCESS LIAB CLAIMS-MADE DED RETENTION \$					EACH OCCURRENCE \$ AGGREGATE \$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y/N N/A If yes, describe under DESCRIPTION OF OPERATIONS below					PER STATUTE OTH-ER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
A	Prof. Liability		AEC-9035050-03	2/25/2020	2/25/2021	Per Claim Limit 1,000,000
A	& Pollution		AEC-9035050-03	2/25/2020	2/25/2021	Aggregate Limit 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
 All Coverages are in accordance with policy terms and conditions.
 *** Evidence of Insurance ***

CERTIFICATE HOLDER Evidence of Insurance	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE

Rate Schedule

Technical Staff Rates 2021

Billing Titles	Hourly Rates
Survey	
Principal	190.00
Professional Surveyor & Mapper	175.00
Project Manager	160.00
GIS Project Manager	175.00
GIS Specialist	130.00
Sr. Survey/CADD Technician	110.00
Survey/CADD Technician	95.00
Survey Crew	170.00
Scanner Crew	190.00
Subsurface Utility Engineering (SUE)	
Senior Utility Project Manager	190.00
Utility Project Manager	160.00
Utility Coordinator	130.00
Utility Technician	110.00
SUE Crew Designation	180.00
SUE Crew Locating	220.00
Additional SUE Member	40.00

EXHIBIT C

INSURANCE REQUIREMENTS

CONSULTANT shall not commence services under the terms of this Agreement until certification or proof of insurance detailing terms and provisions has been received and approved in writing by the CITY's Risk Manager. If you are responding to a bid and have questions regarding the insurance requirements hereunder, please contact the City's Purchasing Department at (954) 786-4098. If the contract has already been awarded, please direct any queries and proof of the requisite insurance coverage to City staff responsible for oversight of the subject project/contract.

CONSULTANT is responsible to deliver to the CITY for timely review and written approval/disapproval Certificates of Insurance which evidence that all insurance required hereunder is in full force and effect and which name on a primary basis, the CITY as an additional insured on all such coverage.

Throughout the term of this Agreement, CITY, by and through its Risk Manager, reserve the right to review, modify, reject or accept any insurance policies required by this Agreement, including limits, coverages or endorsements. CITY reserves the right, but not the obligation, to review and reject any insurer providing coverage because of poor financial condition or failure to operate legally.

Failure to maintain the required insurance shall be considered an event of default. The requirements herein, as well as CITY's review or acceptance of insurance maintained by CONSULTANT, are not intended to and shall not in any way limit or qualify the liabilities and obligations assumed by CONSULTANT under this Agreement.

Throughout the term of this Agreement, CONSULTANT and all subcontractors or other agents hereunder, shall, at their sole expense, maintain in full force and effect, the following insurance coverages and limits described herein, including endorsements.

A. Worker's Compensation Insurance covering all employees and providing benefits as required by Florida Statute, Chapter 440. CONSULTANT further agrees to be responsible for employment, control and conduct of its employees and for any injury sustained by such employees in the course of their employment.

B. Liability Insurance.

(1) Naming the City of Pompano Beach as an additional insured as CITY's interests may appear, on General Liability Insurance only, relative to claims which arise from CONSULTANT's negligent acts or omissions in connection with CONSULTANT's performance under this Agreement.

(2) Such Liability insurance shall include the following checked types of insurance and indicated minimum policy limits.

Type of Insurance**Limits of Liability****GENERAL LIABILITY:**

Minimum 1,000,000 Per Occurrence and
\$1,000,000 Per Aggregate

* Policy to be written on a claims incurred basis

XX	comprehensive form	bodily injury and property damage
XX	premises - operations	bodily injury and property damage
—	explosion & collapse hazard	
—	underground hazard	
XX	products/completed operations hazard	bodily injury and property damage combined
XX	contractual insurance	bodily injury and property damage combined
XX	broad form property damage	bodily injury and property damage combined
XX	independent contractors	personal injury
XX	personal injury	

AUTOMOBILE LIABILITY:

Minimum \$1,000,000 Per Occurrence and \$1,000,000 Per Aggregate. Bodily injury (each person) bodily injury (each accident), property damage, bodily injury and property damage combined.

- XX comprehensive form
- XX owned
- XX hired
- XX non-owned

REAL & PERSONAL PROPERTY

— comprehensive form Agent must show proof they have this coverage.

EXCESS LIABILITY

Per Occurrence Aggregate

XX	Umbrella and other than umbrella	bodily injury and property damage combined	\$2,000,000	\$2,000,000
----	----------------------------------	--	-------------	-------------

PROFESSIONAL LIABILITY

Per Occurrence Aggregate

XX	* Policy to be written on a claims made basis		\$2,000,000	\$2,000,000
----	---	--	-------------	-------------

(3) If Professional Liability insurance is required, CONSULTANT agrees the indemnification and hold harmless provisions set forth in the Agreement shall survive the termination or expiration of the Agreement for a period of three (3) years unless terminated sooner by the applicable statute of limitations.

C. Employer's Liability. If required by law, CONSULTANT and all subcontractors shall, for the benefit of their employees, provide, carry, maintain and pay for Employer's Liability

Insurance in the minimum amount of One Hundred Thousand Dollars (\$100,000.00) per employee, Five Hundred Thousand Dollars (\$500,000) per aggregate.

D. Policies: Whenever, under the provisions of this Agreement, insurance is required of the CONSULTANT, the CONSULTANT shall promptly provide the following:

- (1) Certificates of Insurance evidencing the required coverage;
- (2) Names and addresses of companies providing coverage;
- (3) Effective and expiration dates of policies; and
- (4) A provision in all policies affording CITY thirty (30) days written notice by a carrier of any cancellation or material change in any policy.

E. Insurance Cancellation or Modification. Should any of the required insurance policies be canceled before the expiration date, or modified or substantially modified, the issuing company shall provide thirty (30) days written notice to the CITY.

F. Waiver of Subrogation. CONSULTANT hereby waives any and all right of subrogation against the CITY, its officers, employees and agents for each required policy. When required by the insurer, or should a policy condition not permit an insured to enter into a pre-loss agreement to waive subrogation without an endorsement, then CONSULTANT shall notify the insurer and request the policy be endorsed with a Waiver of Transfer of Rights of Recovery Against Others, or its equivalent. This Waiver of Subrogation requirement shall not apply to any policy which includes a condition to the policy not specifically prohibiting such an endorsement, or voids coverage should CONSULTANT enter into such an agreement on a pre-loss basis.

CERTIFICATE OF LIABILITY INSURANCE

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

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

PRODUCER Marsh & McLennan Agency LLC 18000 Horizon Way Mount Laurel, NJ 08054	CONTACT NAME: PHONE (A/C, No, Ext): E-MAIL ADDRESS: somersetclsupport@mma-ne.com	FAX (A/C, No):													
	<table border="1"> <tr> <th>INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> <tr> <td>INSURER A : National Union Fire Ins Co PittsburghPA</td> <td>19445</td> </tr> <tr> <td>INSURER B : Travelers Property Casualty Co of Amer</td> <td>25674</td> </tr> <tr> <td>INSURER C : New Hampshire Insurance Company</td> <td>23841</td> </tr> <tr> <td>INSURER D : Navigators Insurance Company</td> <td>42307</td> </tr> <tr> <td>INSURER E :</td> <td></td> </tr> <tr> <td>INSURER F :</td> <td></td> </tr> </table>		INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A : National Union Fire Ins Co PittsburghPA	19445	INSURER B : Travelers Property Casualty Co of Amer	25674	INSURER C : New Hampshire Insurance Company	23841	INSURER D : Navigators Insurance Company	42307	INSURER E :		INSURER F :
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INSURED Colliers Engineering & Design Inc dba Maser Consulting* 331 Newman Springs Rd, Suite 203 Red Bank, NJ 07701															


COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:			GL9925559	03/01/2021	03/01/2022	EACH OCCURRENCE \$2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$100,000 MED EXP (Any one person) \$25,000 PERSONAL & ADV INJURY \$1,000,000 GENERAL AGGREGATE \$4,000,000 PRODUCTS - COMP/OP AGG \$4,000,000 \$
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS ONLY			CA4773685	03/01/2021	03/01/2022	COMBINED SINGLE LIMIT (Ea accident) \$2,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> EXCESS LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$0			ZUP31N1005A21NF	03/01/2021	03/01/2022	EACH OCCURRENCE \$10,000,000 AGGREGATE \$10,000,000 \$
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? <input checked="" type="checkbox"/> N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		N/A	WC025893715	03/01/2021	03/01/2022	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE - EA EMPLOYEE \$1,000,000 E.L. DISEASE - POLICY LIMIT \$1,000,000
D	Excess Umbrella			NY21MXEZ07LHXIV	03/01/2021	03/01/2022	\$15,000,000

APPROVED
 By Danielle Thorpe at 12:01 pm, Apr 05, 2021

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
 City of Pompano Beach is included as Additional Insured when required by written contract, agreement or permit, but only with respect to the General Liability insurance and subject to the provisions and limitations of the policy. Waiver of subrogation applies to the Workers Compensation coverage when required by written contract, agreement or permit and subject to the provisions and limitations of the policy where permissible by state law. The insurance company will provide 30 days notice of cancellation/non-renewal to (See Attached Descriptions)

CERTIFICATE HOLDER City of Pompano Beach Post Office Drawer 1300 Pompano Beach, FL 33061	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 
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DESCRIPTIONS (Continued from Page 1)

the certificate holder if the policy is cancelled by the company.

***NAMED INSUREDS INCLUDE:** Colliers Engineering & Design Inc. dba Bolton Perez & Associates Inc.; Bolton Perez & Associates Inc.; Colliers Engineering & Design CT, P.C.; Colliers Engineering & Design Inc.; Colliers International Holdings USA Inc.; Colliers International Group Inc.; Colliers International USA, LLC; Maser Consulting Inc; Maser Consulting P.A.; Maser Consulting Connecticut PC; Triangle Surveying & Mapping Inc.; Maser Land Services LLC



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

3/23/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement.

PRODUCER: Ames & Gough, 859 Willard Street, Quincy, MA 02169. CONTACT NAME: boston@amesgough.com. INSURER(S) AFFORDING COVERAGE: Berkley Design Professional Underwriters, NAIC #: 32603.

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES.

Table with columns: INSR LTR, TYPE OF INSURANCE, ADDL INSD, SUBR WVD, POLICY NUMBER, POLICY EFF (MM/DD/YYYY), POLICY EXP (MM/DD/YYYY), LIMITS. Includes rows for Commercial General Liability, Automobile Liability, Umbrella Liab, and Workers Compensation.

APPROVED By Danielle Thorpe at 12:01 pm, Apr 05, 2021

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required) All Coverages are in accordance with policy terms and conditions.

*NAMED INSUREDS INCLUDE: Colliers Engineering & Design Inc. dba Bolton Perez & Associates Inc.; Bolton Perez & Associates Inc.; Colliers Engineering & Design CT, P.C.; Colliers Engineering & Design Inc.; Colliers International Holdings USA Inc.; Colliers International Group Inc.; Colliers International USA, LLC; Maser Consulting Inc; Maser Consulting P.A.; Maser Consulting Connecticut PC; Triangle Surveying & Mapping Inc.; Maser Land Services LLC.

Evidence of insurance.

CERTIFICATE HOLDER CANCELLATION

CERTIFICATE HOLDER: City of Pompano Beach, Post Office Drawer 1300, Pompano Beach, FL 33061. CANCELLATION: SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE: Jared Maxwell