

*CITY OF POMPANO BEACH,
FLORIDA*

PROFESSIONAL CONSULTING AGREEMENT

with

CRAVEN, THOMPSON & ASSOCIATES, INC.



**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 CRAVEN, THOMPSON & ASSOCIATES, INC., a Florida corporation, 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 Richard D. Pryce, P.S.M.

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:

Craven, Thompson & Associates, Inc.
3563 NW 53rd Street
Fort Lauderdale, Florida 33309

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”

CRAVEN, THOMPSON & ASSOCIATES, INC.

Witnesses:

Jenny Taylor
Signature

TAMMY TAYLOR
Name Typed, Printed or Stamped

By: Richard D. Pryce
Richard D. Pryce, P.S.M.
Vice President, Surveying & G.I.S.

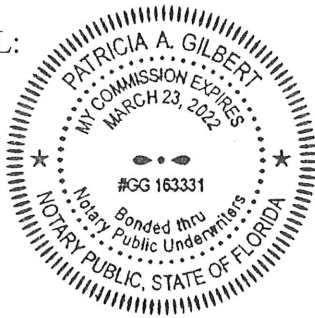
Jennifer MacDonald
Signature

Jennifer MacDonald
Name Type, Printed or Stamped

STATE OF FLORIDA
COUNTY OF BROWARD

The foregoing instrument was acknowledged before me, by means of physical presence or online notarization, this 23rd day of March, 2021, by Richard D. Pryce, P.S.M., as Vice President, Surveying & G.I.S. of Craven, Thompson & Associates, Inc., a Florida corporation on behalf of the corporation. He is personally known to me or who has produced _____ (type of identification) as identification.

NOTARY’S SEAL:



Patricia A. Gilbert
NOTARY PUBLIC, STATE OF FLORIDA

PATRICIA A. GILBERT
(Name of Acknowledger Typed, Printed or Stamped)

GG 163331
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 ENTIRTY 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 "C"
LOCAL BUSINESS UNAVAILABILITY FORM

Solicitation # _____

I, _____
(Name and Title)

of _____, certify that on the _____ day of

_____, _____, I invited the following LOCAL BUSINESS(es) 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)



**Craven Thompson
& Associates, Inc.**
Project Management
Engineering
Landscape Architecture
Surveying & Planning

3563 NW 53rd Street,
Fort Lauderdale, Florida 33309

PREPARED FOR: Exhibit A RLI E-21-20 & Consultants: Craven Thompson & Associates, Inc.



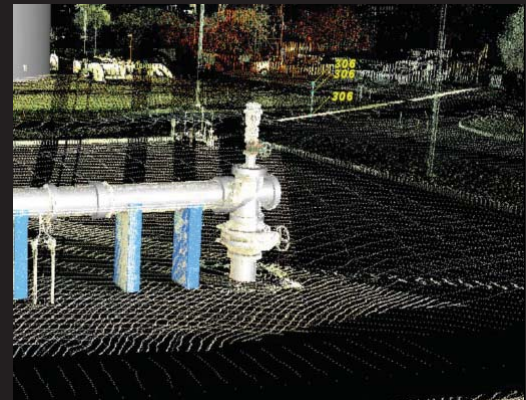
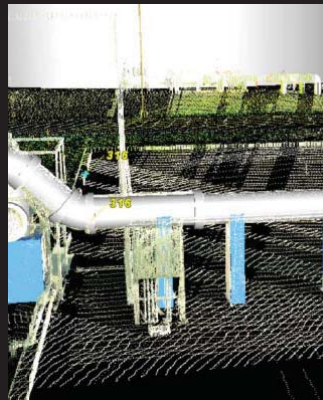
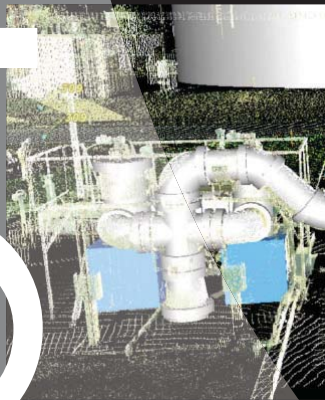
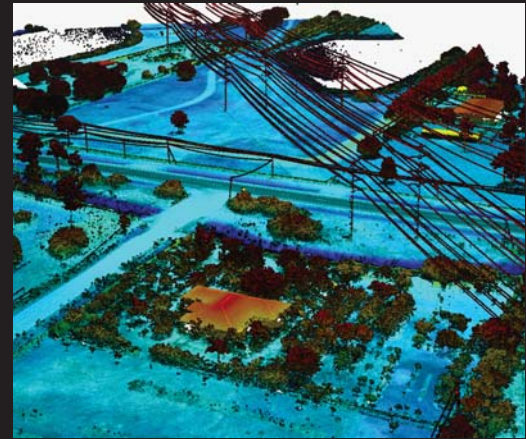
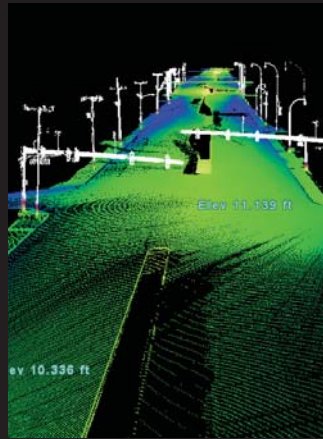
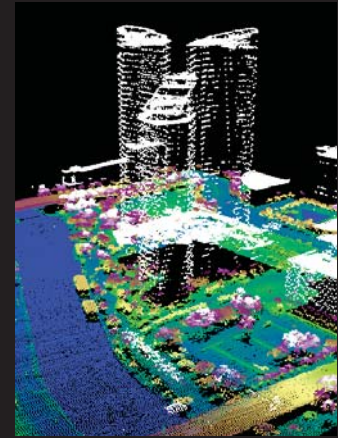
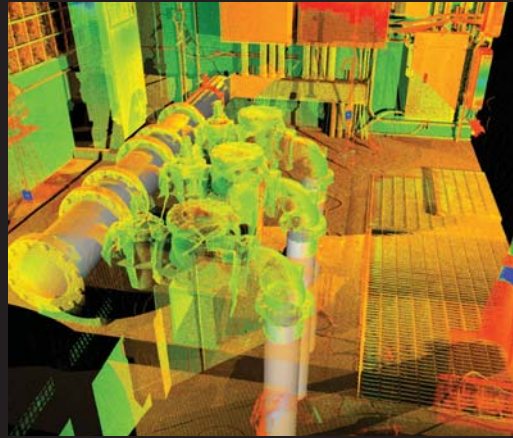
**REQUEST FOR LETTERS OF INTEREST E-21-20
CONTINUING CONTRACT FOR PROFESSIONAL
SURVEYING AND MAPPING SERVICES**

AUGUST 3, 2020

PDF FORMAT



**TA
FC**



Section 1: Title Page

**REQUEST FOR LETTERS OF INTEREST
E-21-20
CONTINUING CONTRACT FOR PROFESSIONAL
SURVEYING AND MAPPING SERVICES**

**SUBMITTED TO:
CITY OF POMPANO BEACH**



SUBMITTED BY:
Craven, Thompson & Associates, Inc.
3563 NW 53rd Street
Fort Lauderdale, Florida 33309
Contact: Patrick J. Gibney, P.E.
Vice President, Engineering
Phone: (954) 739-6400
Email: pgibney@craventhompson.com

CRAVEN THOMPSON



& ASSOCIATES INC.

AUGUST 3, 2020

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Section 2

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▪ Minority Business Enterprise Certifications.....	14-4
▪ Addendum No. 1	14-5

Section 3: Letter of Transmittal

August 3, 2020

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

**RE: REQUEST FOR LETTERS OF INTEREST E-21-20
CONTINUING CONTRACT FOR PROFESSIONAL SURVEYING AND MAPPING SERVICES**

Selection Committee Members:

Craven Thompson and Associates, Inc. (CTA) is pleased to submit this Statement of Qualifications for your consideration in response to the **City of Pompano Beach's** Request for Letters of Interest for the "*Continuing Contract for Professional Surveying and Mapping Services*".

Craven Thompson understands that the City of Pompano Beach intends to issue multiple contracts to professional consulting firms to provide continuing professional surveying and mapping services to the City as-needed within current CCNA guidelines. The projects may involve: 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; and Storm Water/Drainage Improvement projects. Tasks may include: provide general surveying services; prepare GIS related surveying services; collect various GIS data from relative surveys and field visits; and provide signed sealed surveys and reports relative to the scope of work.

Authorized Agent

Craven, Thompson & Associates, Inc.
Federal Tax Identification Number: 59-0948029
3563 NW 53rd Street
Fort Lauderdale, Florida 33309
Telephone: (954) 739-6400 / Fax: (954) 739-6409
Contact: Richard D. Pryce, P.S.M., Vice President, Surveying & G.I.S.
Email: rpryce@craventhompson.com

Over fifty-eight (58) years in business, and through scores of a wide variety of governmental projects, our seventy-one (71) employees have gained an invaluable skill set and extensive experience in providing quality professional services for an enormous diversity of projects for a variety of municipalities. These projects have ranged in size and complexity from small CCNA, single-task assignments to large, multi-scaled projects involving numerous sub-consultants and/or specialized services.

Craven Thompson has teamed with the following sub-consultants:

- Stoner & Associates as our SBE to assist with Surveying tasks.
- InfraMap Corp. to provide Subsurface Utility Engineering Services (S.U.E.)

We sincerely appreciate the opportunity of providing this response to the City of Pompano Beach and hope to continue to build upon the relationship we have with the City and staff.

Sincerely,

CRAVEN THOMPSON & ASSOCIATES, INC.

A handwritten signature in blue ink that reads "Richard D. Pryce". The signature is written in a cursive, flowing style.

RICHARD D. PRYCE, P.S.M.
Vice President, Surveying & G.I.S.

RDP/tg

Section 4: Technical Approach

SURVEYING & MAPPING APPROACH

Craven Thompson proposes the following approach to survey tasks to be performed for the City:

- We will perform preliminary research of subject properties to determine exact limits, available survey data on and near the site, and assign a Project Lead Surveyor best suited for the type of survey requested.
- Dependent on the complexity of the Statement of Work and if required, we will meet with City staff either in person, by phone, or through e-mail to discuss details of the statement of work, project schedule, City's cost limitations and deliverables.
- The Project Lead Surveyor will then visit the site to review existing field conditions and note any issues that may arise as to access, safety, available horizontal and vertical control on or near the site, obstructions and unique conditions that will affect the cost and schedule in completion of the requested task.
- We will then prepare and submit a proposal that includes a detailed level of effort, project and staffing schedules, firm fixed price based on proposed labor effort applying the pre-determined rate schedule, project completion date and deliverables.
- If applicable, innovative and alternative survey methods will be proposed to give the City options as to possible reduction of the project schedule and costs. Some of these methods would include GPS (Global Positioning System) Fast Static Control Survey and data collection, and 3D fixed base Laser Scanning.
- Once the City has reviewed our proposal, we fine tune the labor effort, cost and schedule, and submit a revised proposal for approval and work authorization.

All survey projects will adhere to the following Methodology:

- Work will begin immediately after receipt of the work authorization. The Project Lead Surveyor will compile any additional survey data required to perform office calculations and materials for the use of field and office staff to perform the tasks as outlined in the work authorization. A meeting will then be held with staff to review the project's details, objectives and schedule.
- During the field data collection and office preparation of the survey, daily evaluations of the collected information will be reviewed to assure accuracy and conformance to the scope. As a part of this process, the project will be analyzed and tracked to assure the ability to conform to the project scope, cost and schedule.
- Upon completion of the project survey, an independent Project Lead Surveyor employed by our firm will perform a Quality Assurance and Quality Control review of the final product vs. the City's Detailed Statement of Work, City Standards, the proposed scope of services, Florida State Statute Chapter 472 - Land Surveying and Mapping, Florida Standards of Practice for Land Surveying under Florida Administrative Code Chapter 5J-17 and any other applicable City Codes.
- All during the survey process, the Project Lead Surveyor will maintain close communications with survey staff and sub-consultants, managing the project in order to immediately solve any issues that may arise as to schedule, costs, and deliverables. This will assure that the Project Lead Surveyor can communicate regularly and accurately with City project manager the status of the

project at any given time and guarantee quality products delivered on time as required by the Work Order.

- The final steps will be to deliver the project survey to the City in the required format(s) for review. If there are any comments during the review by the City, address those issues immediately and resubmit.

All of the surveys involving field crews and sub-consultants will follow the above procedures. The types of survey and survey tasks will include:

Topographic Survey, Record As-Built Survey, Specific Purpose Survey

We pride ourselves being on the cutting edge of technology when deciding on which data collection method(s) to use when addressing the needs of our clients as to level of accuracy, cost and timeframe when proposing and executing a project. For these types of surveys, we use conventional data collection methods for smaller projects to be cost effective. For medium and large-scale tasks, we will analyze which method of data collection will be most efficient. These innovative methods would include GPS (Global Positioning System) Fast Static Control Survey and data collection, 3D fixed base laser scanning, mobile LiDAR scanning, aerial photogrammetry, and aerial LiDAR scanning. We have the capability to combine these diverse data acquisition methods resulting in quality and cost-effective products.

Sketch & Descriptions and Preparation of Easements

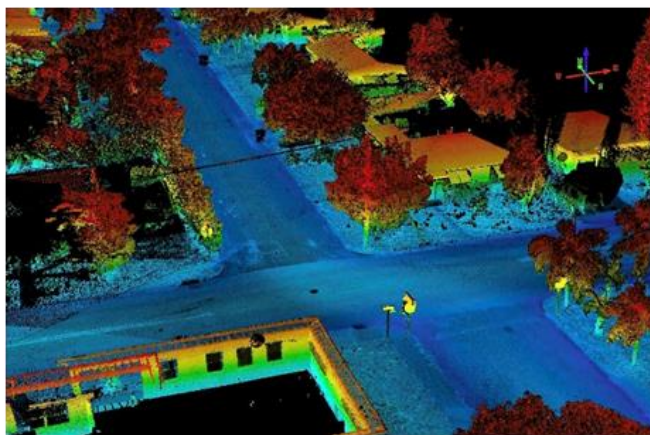
Our procedures for preparing sketch & descriptions and easements are virtually identical but dependent on the type of document required. These items are quite similar where a sketch & description could include any type of property, and easements would include a sketch & description of a portion of a certain property covering a utility, access, sidewalk or other type of improvement. The procedure would include reviewing the City's work authorization; determining the purpose of the sketch & description, research of the property to determine ownership limits which would also establish the limits of the sketch & description and/or easement. All sketch & descriptions are prepared using AutoCAD Civil 3D software. We also strive to prepare the base calculations and final document in the state plane coordinate system thus providing a seamless importation into current databases.

GPS Surveys

We use GPS (Global Positioning System) equipment on almost all of the surveys we prepare. This provides unified survey data that is easily brought into GIS databases with little need for adjustment. Our equipment ranges from hand-held models with 3-meter accuracy to the latest survey-grade receivers and base stations with sub-centimeter accuracy. We also manage our own Continuously Operating Reference Station (CORS) located at our office which is partnered with Trimble Navigation. This CORS, along with continually upgrading our field equipment, provides the ability to provide our clients with survey solutions faster, more accurately and at less cost. Types of GPS surveys usually are Project Network Control (field monumentation for localized survey networks) or Regional GPS Survey Control for large scale projects.

Laser Scanning

We often use 3D laser scanning to prepare topographic and as-built surveys of roadways, parking lots, buildings, utility plants and interiors of most any structure. The scanner will capture every aspect needed for design purposes in a point cloud of laser data, consisting of millions of 3D points. From this data we are able to prepare an AutoCAD drawing from any aspect in extreme detail in either 2D or 3D formats. This procedure consists of establishing survey control points at strategic locations around the property in an X-Y-Z format. With these control points set, the 3D scanner can then be positioned on, or near each of these controls and tied down to orientate the



laser point clouds collected in the field. Multiple scanning positions are run that capture horizontal and vertical point positions in an X-Y-Z format detailing the facility. Then those scanned points will be registered together to form a seamless overall point cloud of the subject improvements. Each scanner position will capture everything in a 360-degree arc around the scanner in a 100-200-foot radius buffer, above and below the scanner along with digitally registered photographs of each area scanned. These points are then extracted and imported into an AutoCAD Civil3D base for preparation of the drawing.

Utilization of Existing Data or Management Systems

Our staff utilizes a multitude of existing data systems to manage different projects. We utilize our accounting system (Deltek 7.5) to manage the budget and the time from individual employees throughout the project, it provides regular updates and alerts by email to run the project efficiently. We utilize ArcGIS to collect existing data from City, County, and State agencies within the areas we are surveying to help organize and define the limits and the surrounding property information. We use various surveying software and hardware packages to do the Survey field and office operations as cost effectively as possible. And we utilize various governmental sites to access records and plans available for land information.

Web/Cloud Based Solution Platforms

We use the Trimble Terra-Flex system which is a cloud-based solution that allows the organization and control of the field data collection process. The power behind Terra-Flex is the integration between data collection and Geographic Information System, GIS, through a plug-in within GIS. A geodatabase that is created within GIS full of domains and schemas is uploaded to the cloud-based Terra-Flex system. From there forms are created based on the geodatabase and crafted to fit the constraints of the project complete with drop down menus and check boxes. These forms dictate how the field crews are to perform their surveys and ensure that all necessary information is recorded including multiple pictures of the target objects if desired. The field crews are able to view and edit these forms directly from a cell phone and/or tablet which provides great versatility in the field. These forms are then synced back to the cloud-based Terra-Flex system as soon as the form

editing is complete and sends that information straight into the GIS attribute tables in the office where real time processing and analysis can happen.

Right-of-Way Surveys

Using existing records such as rights-of-way maps, plats, dedications and maintenance maps, we will establish the limits of the corridor and survey the boundaries. The improvements in and adjacent to the right-of-way are then located with either 3D fixed base laser scanning, mobile LiDAR scanning, aerial photogrammetry, or aerial LiDAR scanning. We have utilized all of these methods in the past singly or in combination. These methods keep our field crews away from traffic; thereby, increasing the safety of our staff and the driving public.

ALTA Surveys

Part of the process of the work order will be to make available to the City the minimum standard detail requirements for ALTA/NSPS Land Title Surveys. We will work with the City to determine the exact purpose of the survey and tailor the final product that best suits the City's needs and meet the ALTA/ASPS requirements upon delivery.

Canal and Embankments Cross Sections and Profiles (Hydrographic)

We use the latest survey-grade sonar equipment integrated with our GPS data collection systems to collect thousands of points in the given body of water. Also, using GPS we collect the embankment topography and then import both sets of data into one seamless 3D drawing. This allows us to then cut cross-sections, profiles at any required position. We can also prepare quantity calculations of the subject site based on this data. The time to collect data and accuracy using our equipment and procedures has been greatly improved over previous standard survey methods.

Field Reconnaissance

Prior to performing field reconnaissance, the project manager researches all available record documents such as plats, right-of-way maps, previous surveys, state and county survey resources in and around the subject site. The project manager then visits the site, to help determine the level of effort and time it will take to complete the proposed task. Reconnaissance will determine availability of horizontal and vertical control along with any unique characteristics of the property that will affect the work order and schedule.

Underground Utilities Detection

We engage a subsurface utility engineering (SUE) location sub-contractor to designate (paint and flag) the locations of the subject facility. We then horizontally locate the utility and plot on the base survey. During the design process, once proposed utilities are located, we will then stake the conflict points and locate test holes (vacuum excavation points) performed by the sub-contractor. This data is added to the survey and provided to the design engineer to resolve any issues in the design.

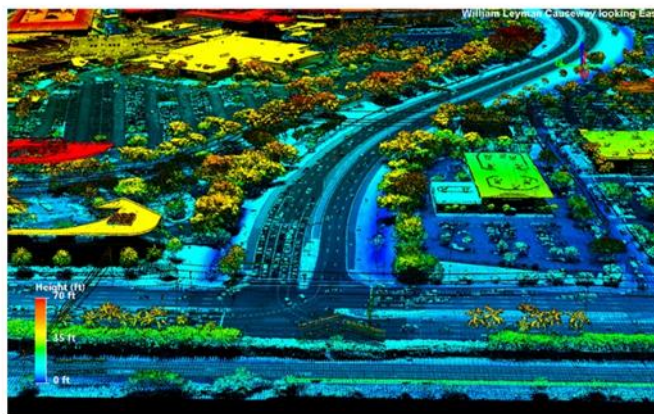
Plan Review Services Including Plan Review Per F.S. Chapter 177

We are currently the plat reviewing surveyors for a number of Cities in South Florida. We have developed a simplified checklist that mirrors Florida Statutes, Chapter 177, Land Boundaries Platting

Law. We have also prepared checklists for each City that directly corresponds with the specific platting code in the Code of Ordinances. These checklists made available to the owner and/or developer (plat applicant) at their initial meeting with the City greatly increases the completeness and consistency of preliminary and final plats thereby saving time and costs for both the City and platting client. In conjunction with the checklists, we also prepare red-lined mark-ups of the plats during the office review and field check of monumentation of the plat boundaries. The documents are all then scanned and emailed to the City and if desired, directly to the platting surveyor thus reducing the paper trail and time it takes to complete the plat process.

G.I.S.

Mr. Richard D. Pryce, P.S.M. will act as the overall GIS Coordinator and be the main point of contact. Mr. Nicholas Messina, P.S.M will be assigned to this Project. Each surveyor has the responsibility of overseeing the individual GIS projects assigned to them from start to finish. They will report to Mr. Pryce on a daily and/or weekly basis depending on the size and scope of the project. They will keep track of the budget, the scope and the timeframe to ensure each project is completed and delivered to the client in an efficient and timely manner. They will keep the GIS coordinator & project manager informed



on any issues that may come up during the course of performing the GIS survey so that whatever the issue is, it can be resolved quickly to prevent any delays. The Professional Surveyors and Mappers acting in their GIS capacity are also the ones that are taking ownership and responsibility in regard to the quality and pride of the GIS work performed.

Craven Thompson's Survey/GIS Department and the project manager will work closely with the City staff on projects to identify the GIS scope and details. Mr. Pryce and his staff have the background, experience, and training in all types of surveying, mapping, GIS and LiDAR (Aerial, Terrestrial, and Mobile) to assist the City as much or as little as the City would require on any type of surveying and mapping or GIS project by providing a clear line of communication in getting things accomplished efficiently and cost effectively.

Craven Thompson will prepare a written proposal describing in detail the goal, the scope, the procedures, the equipment, the standards (Florida Administrative Code Rule 5J-17 - Standards of Practice for Surveying & Mapping), the timeframe, the approximate delivery date and the proposed cost.

Subsurface Locates and G.I.S. Mapping Approach

The project manager and the GIS coordinator will coordinate all projects with the City and decide which utility subcontractor will be used for the specific project scope. Once that decision is made, we will help to coordinate their work and the detailed information they can provide to the project and transfer that into the GIS. Craven Thompson will utilize sub-consultant, **InfraMap Corp** for S.U.E.

Each project depending on the scope will most likely be a combination of the tools used by the underground location company, such as Electro-Magnetic (EM) and Ground Penetrating Radar (GPR) methods used to identify detectable utility systems. All discoveries, designates, and markings will be reviewed with the surveyors onsite. A completed copy of the utility location survey will be reviewed by both the surveyors, the project manager and the GIS coordinator as part of the QA/QC process for the final deliverable.

The following description outlines the methods used to confirm/verify existing utilities:

EM - A transmitted signal is applied by directly coupling to a desired target. As long as the target is metallic, a receiver is used to detect the transmitted signal. Passive power detection is another technique used to locate naturally occurring magnetic fields present on power cables generating a 50/60Hz signal. Additionally, passive VLF signal can be detected on other metallic utilities that are typically long in length and are well grounded electrically. Some utility systems contain portions of non-metallic material and therefore may be un-locatable using the EM method.

GPR - This method is used to identify nonmetallic utilities and other structures that are unidentifiable using traditional EM techniques. The GPR method transmits electromagnetic waves, which are pulsed at discrete/time intervals. The transmitted pulse radiates through the earth whereby a portion of the energy is reflected from interfaces of contrasting electrical properties (e.g. pavement and soil interface, soil stratigraphic changes and buried metallic objects) while the remaining energy continues until reaching additional reflectors where the process is repeated. Reflected energy is received by the antennae and recorded for real time processing and interpretation. Factors such as soil moisture, clay content and variations in the dielectric constants of materials control the effectiveness of the GPR method. Wet conductive soils severely attenuate GPR signals and thus affect the depth of exploration. GPR energy cannot transmit through ferrous objects since metal acts as a pure reflector. In order to accurately conduct a radar survey, orthogonal scans must be made across the target area. Confined or obstructed areas that restrict the scanning pattern can impede the data collected and reduce the accuracy of the desired results.

Pipeline Inspection Systems - A transmitting Sonde located behind the camera head allows for horizontal locations of sanitary/drainage system. Provided that the system is accessible and passable, the camera will allow us to view features within the system. Any anomalies within the system will be noted. Our camera systems are typically used in systems measuring 2" to 8" inches in diameter.

Vacuum Excavation - To further confirm a utility's exact location, Vacuum Excavation can be used to expose any discoveries made through the previously outlined methods. Vacuum Excavation is a non-destructive technique used to safely expose utilities/objects using a combination of compressed and vacuum air. Once the utility has been exposed, vertical elevation, diameter and material type can be

recorded. Conditions such as groundwater, hard, rocky soils, sub-surface obstructions and targets at deep elevations can limit the effectiveness/results of vacuum excavation. Targets beyond the limitations of the Vacuum system may be “probed” with an air lance. This technique is effective in determining elevation and/or presence of underground objects but may be ineffective for determining outside diameter and material type. A Test Hole Data Sheet is produced and depicts all discoveries with regards to the excavated utility.

Data Collection

Survey/Data collection efforts will consist of Survey & G.I.S. personnel obtaining all survey control data for horizontal & vertical locations of all major utilities, storm, sanitary, water, electric, gas, and telecommunications. Storm and sanitary will include information at structures: rim, invert, pipe size and material, direction and condition, if needed. Our crews have collected on both handheld Global Navigation Satellite System (GNSS) Mapping Grade GPS or Survey Grade GNSS GPS units. This will include the latest integrated Trimble Geo 7X GNSS GPS receiver able to delivering up to 10cm real-time or post processed accuracy and/or Trimble R10/R8/R2 GNSS Rover Survey Grade receivers able to deliver centimeter/millimeter accuracy. It has been our experience that the newest GNSS GPS receivers yield the highest-grade accuracy required for this Solicitation and our ability to use multiple units provides us greater flexibility in a project like this.

All of our survey data collection technicians at Craven Thompson are experienced with G.I.S. asset inventory projects. Their knowledge yields consistent and dependable execution of their duties while in the field. In addition to scheduling crews, our survey & G.I.S. coordinator perform random audits to ensure that data is collected both according to schedule and project specifications. We manage all aspects of the fieldwork, troubleshooting and resolving any issues that may arise during the collection phase. The collection team will gather information and attributes for the assets required by the City. Our data collection personnel are constantly monitoring GPS status and positional accuracy as they progress along with project area.

Craven Thompson will create a template for attribute input applicable to the task to be installed on every data collector with each field technician. Upon recording the position, the technician will enter the mandatory and applicable attribute information into the template. Additionally, the data collection technicians will take a digital photograph of each of the referenced structures being surveyed. This photograph will become part of the G.I.S. database.

G.I.S. Database Updates

Under the direction of the PM, Richard D. Pryce, P.S.M., our G.I.S. technicians will download the field information collected by the data collection technicians and import it into an initial fieldwork ArcGIS geodatabase where it will be analyzed for data quality, precision, Quality Assurance / Quality Control (QA/QC) and then integrated into the master geodatabase for the project. The geodatabase schema for the utility locates will be based upon standards agreed to with the G.I.S. staff. Craven Thompson will incorporate the information into the existing G.I.S. geodatabase schema to include all attribute data, positional data, photographic data, and other relevant data gathered during the data collection phase. Craven Thompson will utilize their expertise and experience in survey & G.I.S. data collection techniques for conducting the field inspection, collection and QA/QC process.

Craven Thompson also has the experience of taking decades of survey and as-built records in both CAD and hard copy format and integrating them into an ArcGIS system database. Our survey & G.I.S. team has recently completed this task for the City of North Miami Beach, covering 42 Sections, and all of utilities at Port Everglades for Broward County. We have developed techniques setting hyperlinks in the G.I.S. database tied directly to the pipe and structure features in the G.I.S. system which makes them more accessible to the people who need them most. We are also experts in taking CAD files on multiple coordinate projections including assumed and local systems and getting them into the State Plane Coordinate System, Florida East Zone, NAD83 HARN and newer. An important part of the G.I.S. database development comes through easy access to past records within multiple departments in the City. Through the G.I.S. database connectivity, these Record Drawings will continue to be utilized in the future and not lost in some file drawer or antiquated filing system. In order to assist Managers that may not have GIS knowledge, we have also converted GIS projects into a Google Earth platform so they can access the GIS data into something more user friendly.

We will use standard surveying procedures to establish the horizontal and vertical control, and define the boundary and topographic features throughout the project area. This will include a GPS Fast Static Control survey performed utilizing surrounding National Geodetic Survey (NGS) and/or Florida Department of Transportation (FDOT) control monumentation for both horizontal and vertical positioning. We have also performed unique projects using all type of LiDAR (Terrestrial, Mobile, and Aerial) on several Broward County cities and projects, including all of Hallandale Beach, Lauderdale Lakes, and currently in the process of collecting high density aerial LiDAR for the City of Fort Lauderdale covering an area of approximately 28,000 acres. We are going to using this for a massive drainage study that will take into account sea level rise.

The project surveyor will finalize any survey drawing in AutoCAD Civil 3D (latest version) or higher and all of the GIS will be performed in ArcGIS (latest version). Another registered surveyor will perform the QA/QC, make suggestions, and provide an objective review of the overall project for completeness and assurance of quality. At this time, the client will be contacted and a determination made of the number of signed and sealed drawings necessary for submittal and the geodatabase updates.

Section 5: Schedule

Section 6: References

REFERENCES

PROJECT: TOWN HALL BOUNDARY & TOPOGRAPHIC SURVEY

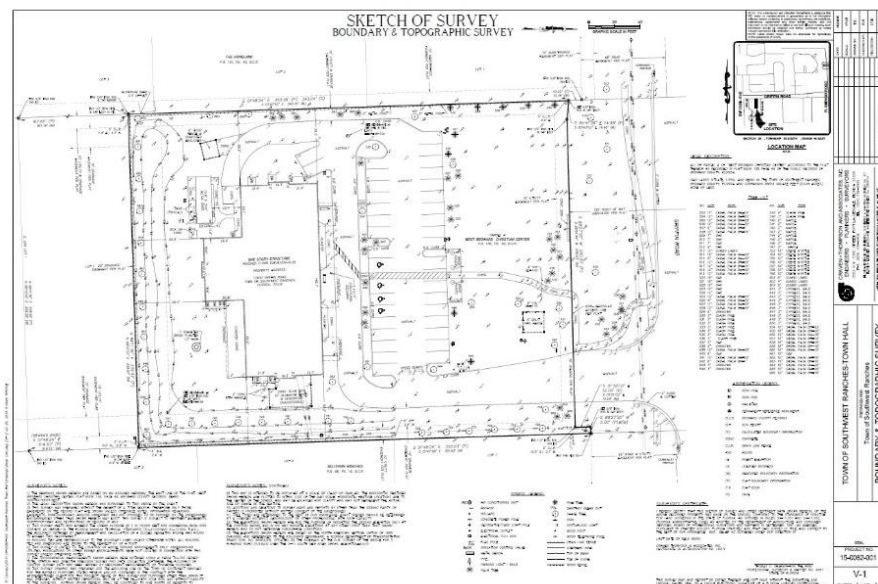
Client Contact / Owner:

Ms. Emily McCord-Aceti,
 Community Services Manager
 Town of Southwest Ranches
 13400 Griffin Road
 Southwest Ranches, Florida 33330
 Phone: (954) 343-7453
 Email: emaceti@southwestranches.org

Construction Cost: Not Applicable

Scope: Craven Thompson & Associates prepared a boundary and topographic survey, a boundary plat, plat revisions, and certified corner records for the Southwest Ranches Town Hall Parcel. This included recovery and/or setting of the existing boundary and/or right-of-way monumentation, establishing two (2) site benchmarks on, or adjacent to the property, locating of all existing aboveground visible improvements within the survey limits, including buildings, pavement, walkways, slabs, fences, utilities, trees, and signs, locating of all aboveground and visible utilities features on, or immediately adjacent to the site, including trees (4" diameter at breast height), and also including the full right-of-way of Griffin Road, and topography including spot elevations on the site on an approximate one hundred (100) foot grid around the property, including the finish floor of the buildings, and spot grades of the parking areas, driveways and sidewalks. CTA submitted to create a boundary plat, showing all easements, rights-of-way and dedications for submittal to Town of Southwest Ranches and Broward County, for approval. Additionally, Craven Thompson prepared and filed Certified Corner Records (CCR's) field measurements, to obtain additional sectional ties and adjacent plat ties to the subject property, needed in the preparation of the individual CCR's.

Craven Thompson's Responsibilities: Craven Thompson provided boundary and topographic surveying services.



PROJECT: MASTER LIFT STATION W-14 AS-BUILT SURVEY

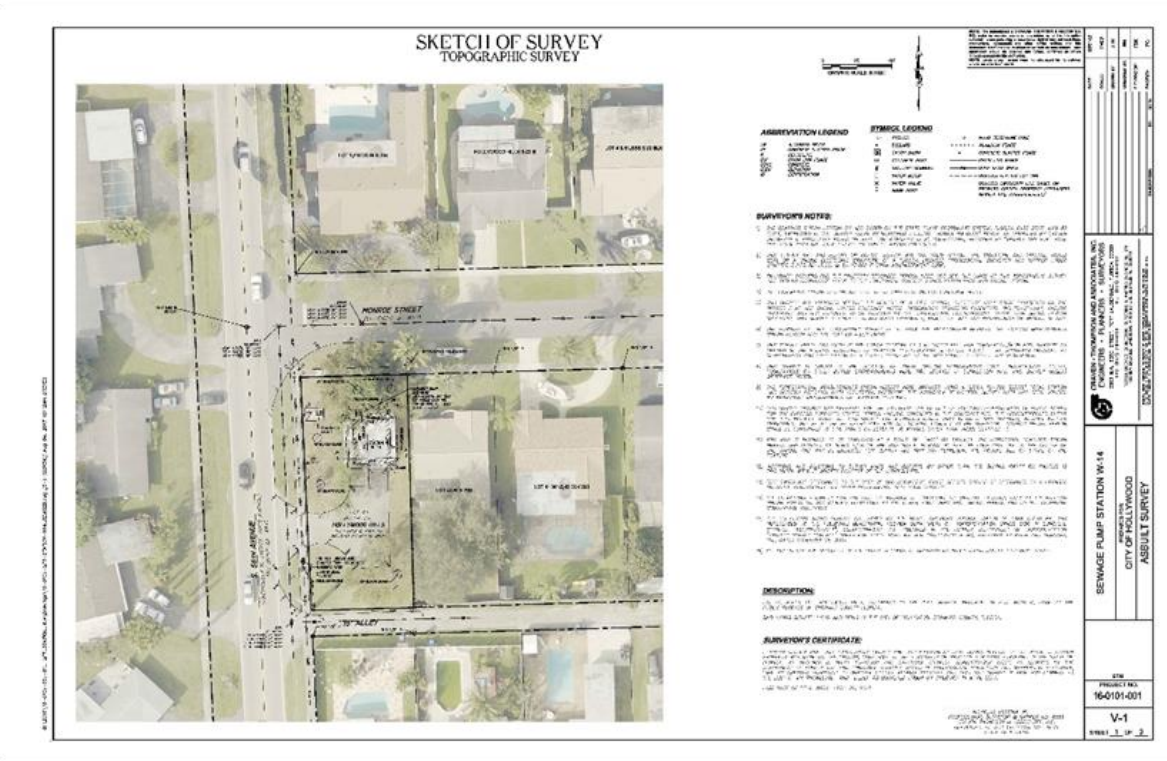
Client Contact / Owner:

Mr. Jeff Jiang, P.E.
 Senior Project Manager - ECSD
 City of Hollywood
 Department of Public Utilities
 Engineering Support Services Division
 1621 North 14th Avenue
 Hollywood, Florida 33022
 Phone: (954) 921-3930
 Email: fjiang@hollywoodfl.org

Construction Cost: Not Applicable

Scope: Craven Thompson obtained field survey information and prepared an as-built survey for the existing sewage Lift Station W14 using the 3D Laser Scanner. The survey information included detailed dimensions on pipes, pumps, panels, tanks, etc.

Craven Thompson's Responsibilities: Services included laser scanning, surveying and as-built plan preparation.



PROJECT: CBWCD DISTRICT DRAINAGE ENGINEERING & SURVEYING SERVICES

Client Contact / Owner:

Mr. Michael Crowley
District Manager
Central Broward Water Control District
8020 Stirling Road
Hollywood, Florida 33024
Phone: (954) 432-5110
Email: districtmanager@centralbrowardwcd.org

Construction Cost: Varies per task

Scope: Craven Thompson & Associates has served as the District Engineer and Surveyor for the Central Broward Water Control District (CBWCD) since March 2007. In this capacity, we review and recommend approval of all drainage projects within the District; review variance requests; serve on the Development Review Committee; attend Board meetings; create surveys, legal descriptions, and G.I.S. data, and prepare construction plans for capital improvement projects. Services to the District include Plan and Constructability Review; engineering ICPR studies and reports; plan review, surveying; design & permitting for capital improvement projects; construction services; inspection services; and meeting attendance

Craven Thompson's Responsibilities: See above.



PROJECT: LIVABLE NEIGHBORHOODS, VISTA VERDE PHASES 1A & 1B SURVEY FOR DESIGN

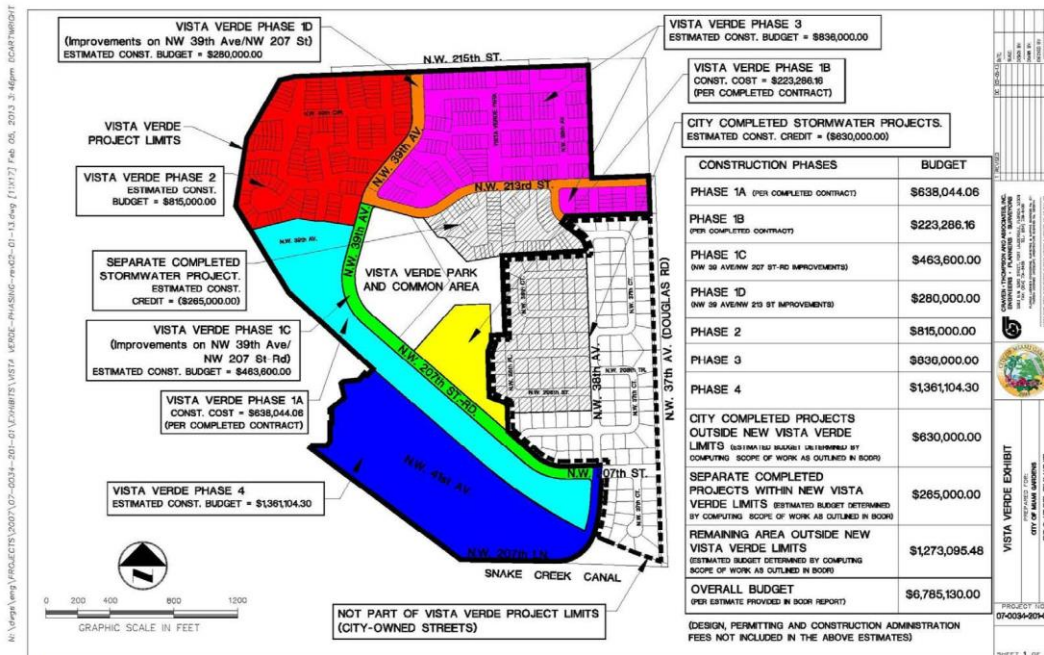
Client Contact / Owner:

Mr. Tom Ruiz, CGC, CFM
 Public Works Director
 City of Miami Gardens
 1050 NW 163rd Drive
 Miami Gardens, Florida 33169
 Phone: (786) 279-1260
 Email: truiz@miamigardens-fl.gov

Construction Cost: \$1,205,604.00

Scope: The Vista Verde Phase 1A & 1B Improvements is a drainage project for the City of Miami Gardens, bordered by NW 213th Street to the north, NW 207th Lane to the south, NW 37th Avenue (Douglas Road) to the east, and a vacant plot of land to the west. The project included surveying from right-of-way to right-of-way and 10' beyond for 2000 LF of roadway right-of-way. This involved location of all visible aboveground improvements as well as obtaining inverts for storm and sanitary structures

Craven Thompson's Responsibilities: The project involved the surveying, the R.O.W. of roads within the project limits and creating an engineering base plan for design and permitting.



PROJECT: PLANTATION GARDENS PHASE IIB WATERMAIN IMPROVEMENTS ROUTE SURVEY

Client Contact / Owner:

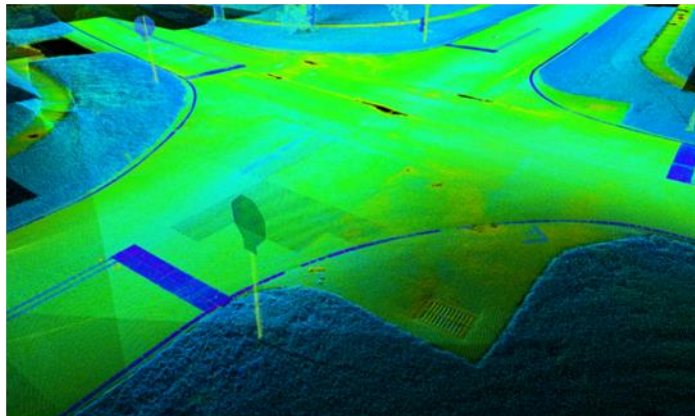
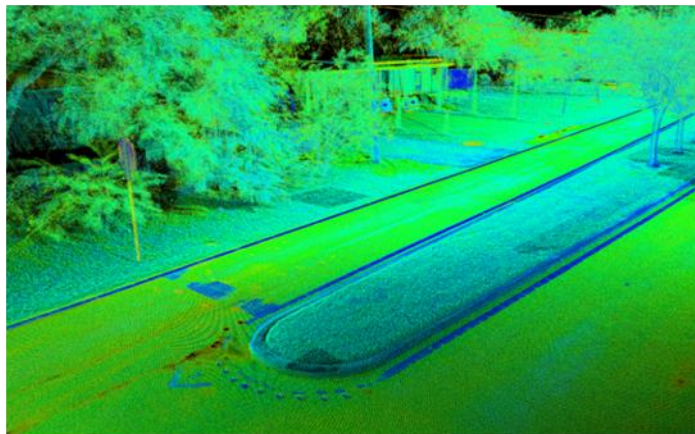
Mr. Daniel Pollio
Capital Improvements Administrator
City of Plantation
400 NW 73rd Avenue
Plantation, Florida 33317
Phone: (954) 797-2209
Email: DPollio@plantation.org

Construction Cost: \$2,005,104.00

Scope: Plantation Gardens Phase IIB - is located generally between Sunrise Boulevard, the Turnpike, Palm Tree Road, and Holly Lane. We provided surveying services to create a design survey base sheet for the demolition of existing utilities, installation of water main and roadway/right-of-way restoration including: 18,000 linear feet of water main, the installation of 31 new fire hydrants, and the installation of 250 new water services.

Craven Thompson's Responsibilities:

Craven Thompson was responsible for establishing the GPS Horizontal Control Network and Digital Level Vertical control network for mobile LIDAR scanning of the watermain rehabilitation project.



PROJECT: HYDROGRAPHIC AND STORMWATER INFRASTRUCTURE SURVEY

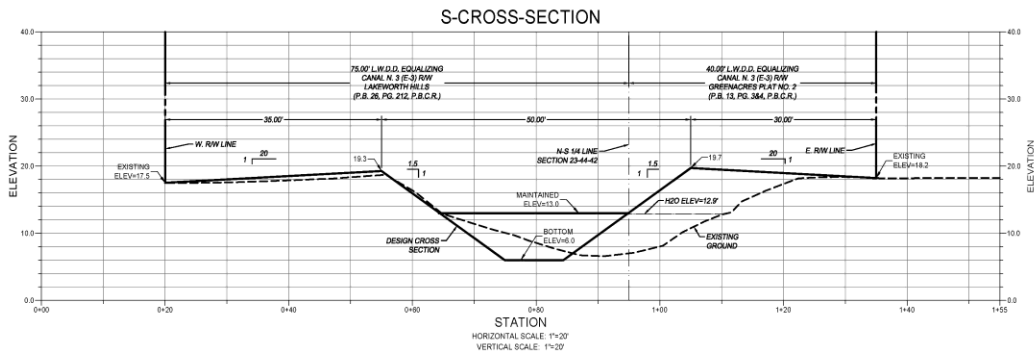
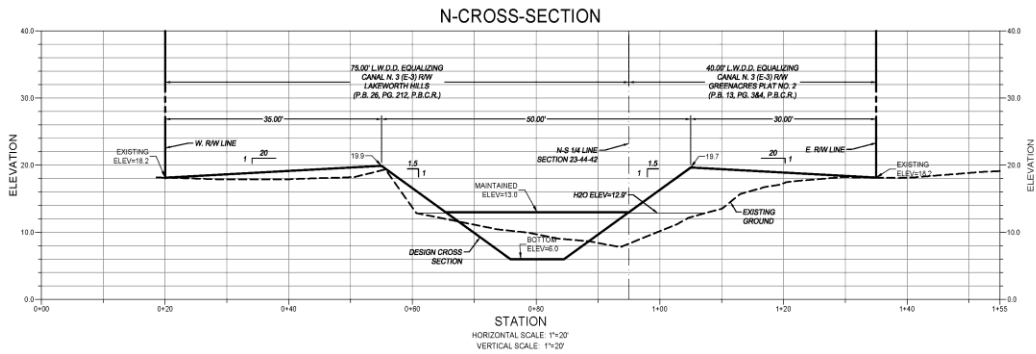
Client Contact / Owner:

Mr. Carlos I. Cedeño
 Public Works Director
 City of Greenacres
 5750 Melaleuca Lane
 Greenacres, Florida 33463
 Phone: (561) 642-2074
 Email: ccedeno@greenacresfl.gov

Construction Cost: Not Applicable

Scope: Along with their sub-consultant, Craven Thompson & Associates created a survey from high resolution, low level LiDAR and ground surveying. The survey included roadways and canal cross-sections for proposed Drainage Improvements. Also included Right-of-way surveys, storm drains, canals and ditches along 1st Street in the Original Section area of the City of Greenacres and a portion of Lake Worth Canal E-3 (cross sectioned).

Craven Thompson's Responsibilities: Craven Thompson was responsible for topographic and hydrographic surveying services.



PROJECT: WATER AND SEWER SERVICE AREA G.I.S. PROJECT

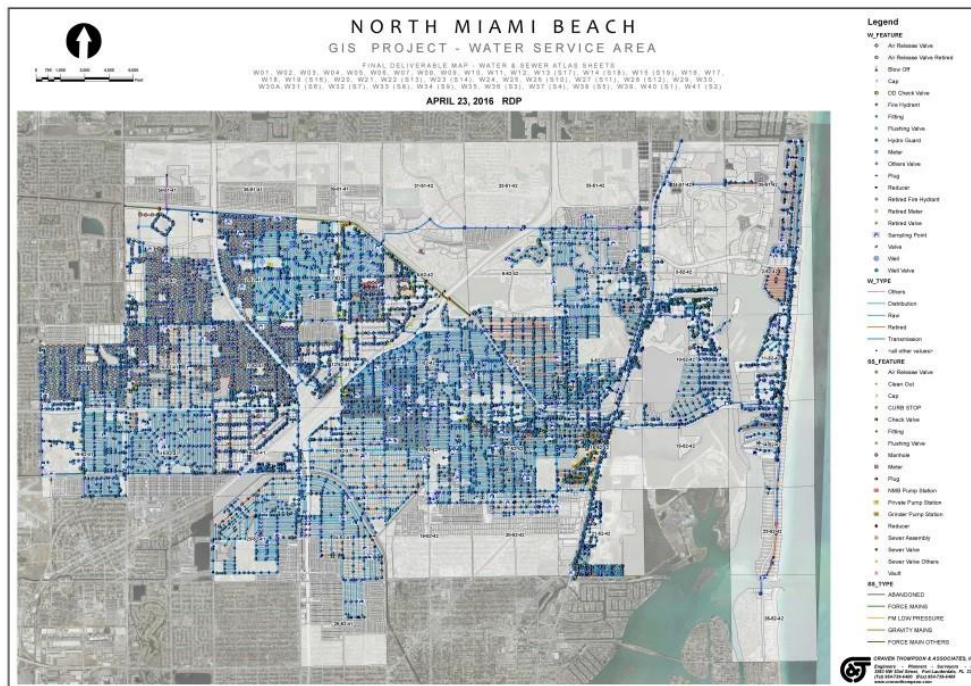
Client Contact / Owner:

Mr. Karim L. Rossy
 Development Engineer 3
 NMB Water/Jacobs
 17050 NE 19th Avenue
 North Miami Beach, Florida 33162
 Phone: (305) 948-2980, Ext. 7962
 Email: karim.rossy@jacobs.com

Construction Cost: Not Applicable

Scope: The purpose of the 25,600-Acre Service Area Project was to provide the City with the complete GIS product of their water and sanitary system. This involved the conversion of the City's existing water and sanitary sewer infrastructure, from an AutoCAD drawing file format to the industry standard, Environmental Systems Research Institute (ESRI) Geographic Information System (GIS) format. The Project included the entire North Miami Beach Utility service area. The process included conversion of existing AutoCAD files, into the same coordinate system as the GIS, so that future updates will be more easily transferred between the two systems, for updates and maintenance. The project involved setting up a GIS Network file structure for the City to insert existing and future documentation into, as well as, adding GIS database information in the future.

Craven Thompson's Responsibilities: Craven Thompson provided surveying and G.I.S. services in the creation of this G.I.S. database for the City.



PROJECT: STORMWATER G.I.S. AND SURVEYING

Contact Person & Contact Information:

Mr. Rares Petrica, MBA, P.E.
 Senior Project Manager
 Public Works Department
 City of Fort Lauderdale
 100 N. Andrews Avenue
 Fort Lauderdale, Florida 33301
 Phone: (954) 828-6720
 Email: RPetrica@fortlauderdale.gov

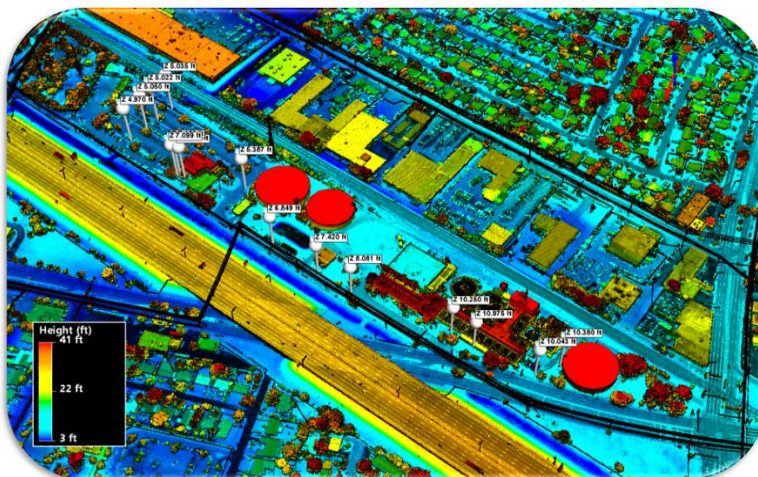
Construction Cost: Not Applicable

Scope: The survey limits of this project are described as the entire City limits of Fort Lauderdale. The City was flown with high density aerial LiDAR to a vertical accuracy of 0.15 feet across the entire City. From the LiDAR, Craven Thompson created a 2-foot grid Digital Elevation Model of the ground for modeling drainage flow. This required a GPS Control Network, and 309 ground control for the flight, performed over 5,000 verification shots on hard surfaces at major roadways across the city. The second part of this survey was to collect and evaluate 5,400 storm structures with Rims, Inverts, Pipe Size, material, and research As-built records of the City in the Stormwater system and provide the data to the City in ArcGIS Geodatabase conforming to their GIS Model Schema.

Craven Thompson’s Responsibilities: Craven Thompson provided surveying, GPS location, and G.I.S. services for the City’s stormwater system.

Fort Lauderdale – Stormwater Master Plan

Five Ash Water Treatment Plant



- **Random QA/QC Surveys**
 - Lidar Elevations
 - Survey Elevations

Survey to Lidar differences			
	ΔX	ΔY	ΔZ
	0.37	-0.27	0.05
	0.20	-0.14	0.06
	0.39	-0.02	0.03
	0.26	0.02	0.06
	0.14	0.09	0.08
	0.02	0.00	0.16
	0.25	-0.02	-0.05
	1.50	-2.75	0.00
	0.33	-0.03	0.13
	0.04	-0.14	0.03
	0.24	-0.22	0.13
	0.10	-0.41	0.13
	0.11	-0.17	0.17
	-0.09	-0.01	0.13
	0.00	-0.08	0.09
MEAN :	0.26	-0.28	0.08

Fort Lauderdale Social Lidar

CITY OF POMPANO BEACH PROJECTS

Start Date	Completion Date	Project Name	Contract Amount
11/2005	5/2008	Pompano Beach Sewer Improvements	\$21,383.66
4/2013	6/2013	Apollo Park Plat - Parcel A (Purchase Order No. 132605 / City of Pompano Beach Project No. 02821)	\$9,500.00
6/2013	9/2013	North Riverside Drive (Purchase Order No. 133179 / City of Pompano Beach Project No. 11189)	\$41,500.00
10/2013	1/2015	Study Area 1: Pompano Place & Andrews Avenue - Alternate Improvement Scenario Development (Pompano Beach Resolution No. 2014-36)	\$85,583.00
6/25/2020	Ongoing	Master Pump Station 226 - Sketch and Legal Description	\$520.00
TOTAL:			\$158,486.66

Section 7: Project Team Form

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.# 59-0948029

PRIME

Role	Name of Individual Assigned to Project	Number of Years Experience	Education, Degrees
Principal-In-Charge	<u>Richard D. Pryce, P.S.M.</u>	<u>48 Years</u>	<u>Associate of Science</u>
Project Manager	<u>Nicholas Messina, Jr., P.S.M.</u>	<u>30 Years</u>	<u>Associate of Science</u>
Asst. Project Manager	<u>Ray Young, P.S.M.</u>	<u>39 Years</u>	<u>N/A</u>
Other Key Member	<u>David Reyes, Sr. Surveying Technician</u>	<u>30 Years</u>	<u>N/A</u>
Other Key Member	<u></u>	<u></u>	<u></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 62nd Avenue, Davie 33314</u>	<u>James Stoner, P.S.M.</u> <u>Richard Crawford, P.S.M.</u>
Landscaping	<u>N/A</u>	<u></u>
Engineering	<u>N/A</u>	<u></u>
Other Key Member	<u>InfraMap Corp., 1860 Old Okeechobee Rd.</u> <u>Suite #201, West Palm Beach 33409</u>	<u>Andres Garcia, ULM</u> <u>Lee Neumann, P.S.M.</u>
Other Key Member	<u></u>	<u></u>
Other Key Member	<u></u>	<u></u>

(use attachments if necessary)

Section 8: Organizational Chart

ORGANIZATIONAL CHART



**PRINCIPAL / CLIENT CONTACT
PROJECT MANAGER**
Richard D. Pryce, P.S.M.



ADDITIONAL SURVEYING
James Stoner, P.S.M.
Richard Crawford, P.S.M.



SURVEYING AND MAPPING
Nicholas Messina, Jr., P.S.M.
Ray Young, P.S.M.
David Reyes

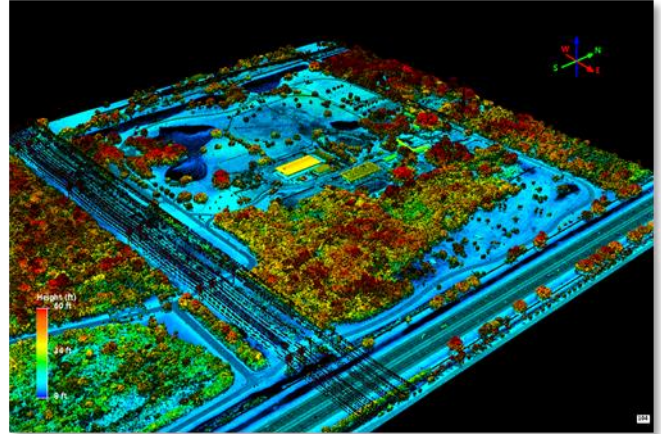


**SUB-SURFACE UTILITY
LOCATES**
Andres Garcia, ULM
Lee Neumann, P.S.M.

Section 9: Statement of Skills and Experience of Project Team

STATEMENT OF SKILLS AND EXPERIENCE

Providing Surveying services has been, and continues to be, an important portion of Craven Thompson's business since 1962. Through selection and training of personnel and a program to obtain the best equipment available, we have developed a skilled and technically equipped Surveying Department, capable of conducting almost any type of survey. We are qualified and certified by the State of Florida, Department of Natural Resources, for both horizontal and vertical control for Second Order accuracy. In addition to conventional boundary topographic and construction surveys, we have the experience to provide the latest in 3D Laser Scanning - High Definition Surveying, Geodetic Control, PLSS Retracement, Hydrographic, Cadastral, Photogrammetric Control, Right-of-Way and Construction Surveys.



Over the years, we have provided surveying services to over twenty-five municipalities and the following governmental and quasi-governmental agencies, including:

- Florida Department of Environmental Protection
- Florida East Coast Railway
- Florida Department of Transportation
- Florida GAS
- Port Everglades Authority
- Broward County Highway Construction and Engineering Division
- Broward County Water and Wastewater Services
- Waste Management Inc.
- Central Broward Water Control District
- Tri-County Commuter Rail Authority
- Seminole Tribe of Florida

Some of our recent projects include:

- Lake Worth 2020 Master Plan Year 1 Improvements Survey
- Lake Worth 2" Watermain Replacement Program Phase 2 Survey
- Greenacres Original Section Survey
- Greenacres Hydrographic Survey
- Lake Park SFWMD C-17 Canal Outfall Survey
- North Riverside Right-of-Way Survey
- Hallandale Beach City-Wide Survey
- Plantation Watermain Rehabilitation Route Survey
- Apollo Park Survey
- Port Everglades Sketch and Legal Descriptions
- Broward County Convention Center Boundary Survey

- Lauderdale Lakes Canal Cross-Sections
- Central Broward Water Control District Canal Cross-Sections
- Greenacres 10th Avenue North Intersection and Sanitary Sewer Survey
- City of Oakland Park NE 38th Avenue Complete Streets Survey
- City of North Miami Survey and Plat Review

Sub-Consultants

Stoner % Associates. – Surveying & Mapping

Contact Information:

Mr. James Stoner, P.S.M., President
4341 SW 62nd Avenue
Davie, Florida 33314
Phone: (954) 585-0997
Email: jstoner@stonersurveyors.com



Company Overview: Since 1988, Stoner & Associates has practiced the art and science of land surveying, rising to the top of the industry with a focus on good character, reputation and the successful completion of projects.

At Stoner & Associates they are always seeking innovative solutions to improve their survey products and reduce turn-around times. Stoner & Associates is continually updating their equipment and software to ensure rapid and accurate data acquisition. Their personnel are trained to look for innovative ways to approach your project through the use of technology.

Stoner & Associates delivers critical surveying services in a timely and accurate manner, making them a trusted partner to both the private sector and government.

InfraMap Corp. - Subsurface Utility Locates

Contact Information:

Mr. Andres Garcia, Utility Location Manager, ULM
1860 Old Okeechobee Road, #201
West Palm Beach, Florida 33409
Phone: (561) 586-0790
Email: agarcia@Inframap.net




Company Overview: InfraMap is a leading provider of Utility Infrastructure Mapping and Subsurface Utility Engineering (S.U.E.) services. InfraMap collects utility infrastructure data in the field using sophisticated geophysical techniques and instrumentation (including GPR), with automated data collection gear and state of the art survey equipment. InfraMap then merges this information onto their client's base mapping in their desired format. They collect and present this data to aid their clients in reducing the design and construction cost of major infrastructure projects.

Founded in 1987, InfraMap is a utility infrastructure mapping specialist. Their clients are State and Local Transportation Departments, Airports, Port Authorities and Utilities. InfraMap has performed some of the largest utility mapping projects ever undertaken by any firm. InfraMap has the resources to perform and deliver multiple large-scale projects on time, throughout the United States, as evidenced by their past and recent performance.

PROFESSIONAL LICENSES / CERTIFICATIONS

CRAVEN THOMPSON & ASSOCIATES, INC.

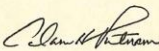


Florida Department of Agriculture and Consumer Services
Division of Consumer Services
Board of Professional Surveyors and Mappers
2005 Apalachee Pkway Tallahassee, Florida 32399-6500

License No.: **LB271**
Expiration Date February 28, 2021


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

CRAVEN-THOMPSON & ASSOC, INC
3563 NW 53RD ST
FT LAUDERDALE, FL 33309-6311



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.

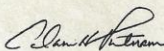


Florida Department of Agriculture and Consumer Services
Division of Consumer Services
Board of Professional Surveyors and Mappers
2005 Apalachee Pkway Tallahassee, Florida 32399-6500

License No.: **LS4038**
Expiration Date February 28, 2021


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

RICHARD D PRYCE
13901 SW 26TH ST
DAVIE, FL 33325-5006



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.

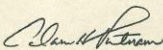


Florida Department of Agriculture and Consumer Services
Division of Consumer Services
Board of Professional Surveyors and Mappers
2005 Apalachee Pkway Tallahassee, Florida 32399-6500

License No.: **LS6559**
Expiration Date February 28, 2021

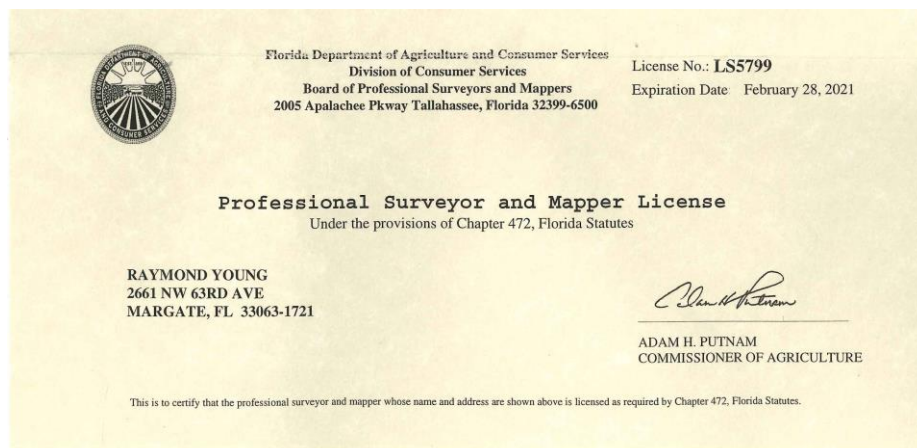
Professional Surveyor and Mapper License
Under the provisions of Chapter 472, Florida Statutes

NICHOLAS MESSINA JR
3563 NW 53RD ST
FORT LAUDERDALE, FL 33309-6311



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.



State of Florida Department of State

I certify from the records of this office that CRAVEN, THOMPSON & ASSOCIATES, INC. is a corporation organized under the laws of the State of Florida, filed on January 1, 1962.

The document number of this corporation is 254407.

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 13, 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 Thirteenth day of January,
2020*




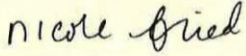
Ronald R. Lee
Secretary of State


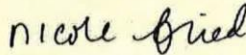
Tracking Number: 6837198390CC

To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.

<https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication>

STONER & ASSOCIATES, INC.

	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.: LB6633 Expiration Date February 28, 2021
	Professional Surveyor and Mapper Business License Under the provisions of Chapter 472, Florida Statutes	
STONER & ASSOCIATES INC 4341 SW 62ND AVE DAVIE, FL 33314	 NICOLE "NIKKI" FRIED COMMISSIONER OF AGRICULTURE	
<small>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.</small>		

	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.: LS4039 Expiration Date February 28, 2021
	Professional Surveyor and Mapper License Under the provisions of Chapter 472, Florida Statutes	
JAMES D STONER STONER & ASSOCIATES INC 4341 SW 62ND AVE DAVIE, FL 33314-3426	 NICOLE "NIKKI" FRIED COMMISSIONER OF AGRICULTURE	
<small>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.</small>		

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, 2019, that its most recent annual report/uniform business report was filed on February 11, 2019, 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 Eleventh day of February,
2019*





Randy R. Lee
Secretary of State



Tracking Number: 3880832646CC

To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.

<https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication>

INFRAMAP CORP.

	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.: LB6666 Expiration Date February 28, 2021
	Professional Surveyor and Mapper Business License Under the provisions of Chapter 472, Florida Statutes	
INFRAMAP CORP 1860 OLD OKEECHOBEE ROAD #201 WEST PALM BEACH, FL 33409	 ADAM H. PUTNAM COMMISSIONER OF AGRICULTURE	
<small>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.</small>		

	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.: LS7222 Expiration Date February 28, 2021
	Professional Surveyor and Mapper License Under the provisions of Chapter 472, Florida Statutes	
LEE BRICK REUMANN 345 30TH ST APT 109 WEST PALM BCH, FL 33407-5244	 NICOLE "NIKKI" FRIED COMMISSIONER OF AGRICULTURE	
<small>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.</small>		

State of Florida

Department of State

I certify from the records of this office that INFRAMAP CORP. is a Delaware corporation authorized to transact business in the State of Florida, qualified on October 6, 1994.

The document number of this corporation is F94000005189.

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 7, 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 Seventh day of January, 2020*



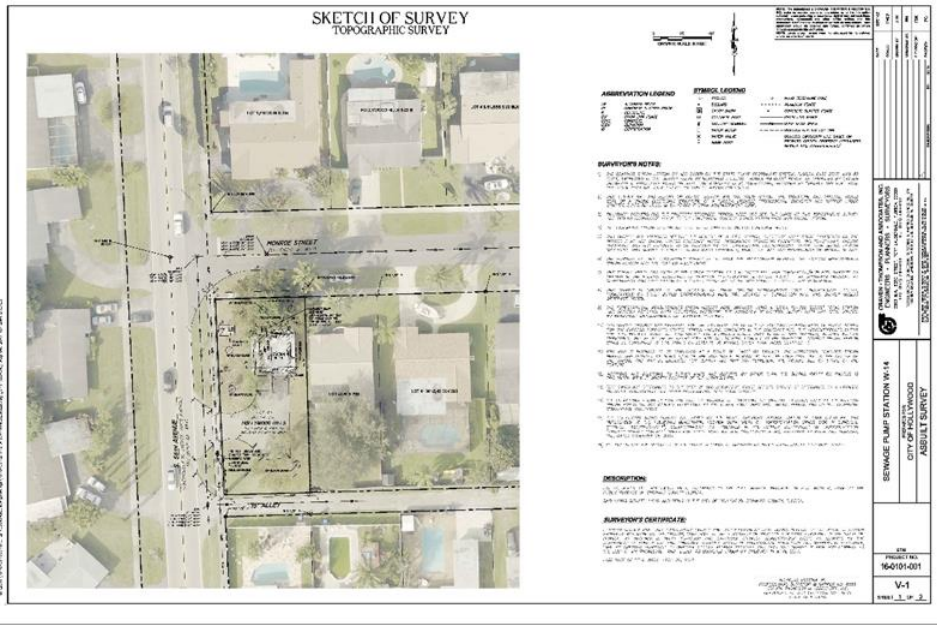
Ramona R. ...
Secretary of State

Tracking Number: 0826213796CC

To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.

<https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication>

Master Lift Station W-14 As-Built Survey Hollywood, Florida



Description of Work

Craven Thompson obtained field survey information and prepared an as-built survey for the existing sewage Lift Station W14 using the 3D Laser Scanner. The survey information included detailed dimensions on pipes, pumps, panels, tanks, etc.

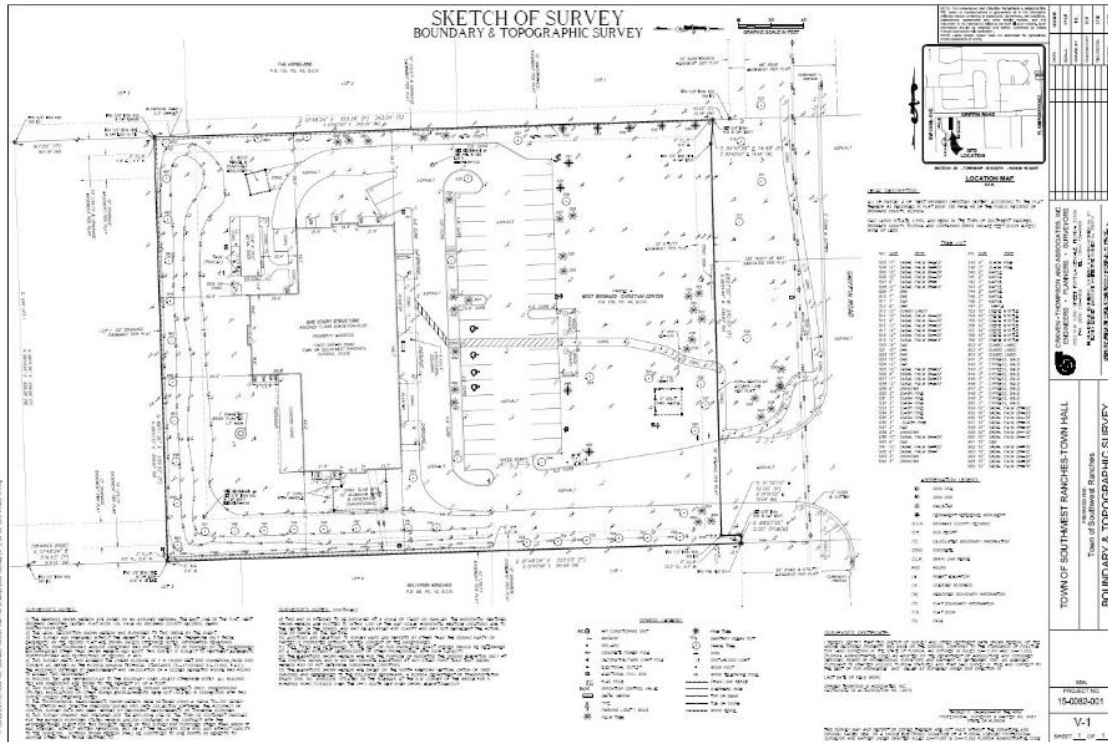
Client Contact:
 Mr. Jeff Jiang, P.E.
 Senior Project Manager
 City of Hollywood
 Department of Public Works
 1621 North 14th Avenue
 Hollywood, Florida 33019
 Phone: (954) 921-3930
 Email: fjiang@hollywoodfl.org

Project Role:
 Prime Consultant

Contract Term:
 2016

Result of Project:
 Project was on time,
 and within budget

Town Hall Survey Southwest Ranches, Florida



Description of Work:

Craven Thompson prepared a boundary and topographic survey, a boundary plat, plat revisions, and certified corner records for the Southwest Ranches Town Hall Parcel. This included recovery and/or setting of the existing boundary and/or right-of-way monumentation, establishing two (2) site benchmarks on, or adjacent to the property, locating of all existing aboveground visible improvements within the survey limits, including buildings, pavement, walkways, slabs, fences, utilities, trees, and signs, locating of all aboveground and visible utilities features on, or immediately adjacent to the site, including trees (4" diameter at breast height), and also including the full right-of-way of Griffin Road, and topography including spot elevations on the site on an approximate one hundred (100) foot grid around the property, including the finish floor of the buildings, and spot grades of the parking areas, driveways and sidewalks.

Client Contact:

Ms. Emily McCord-Aceti
Community Services Manager
Town of Southwest Ranches
13400 Griffin Road
Southwest Ranches, Florida 33330
Phone: (954) 343-7453
Email: ecaceti@southwesteranches.org

Project Role:
Prime Consultant

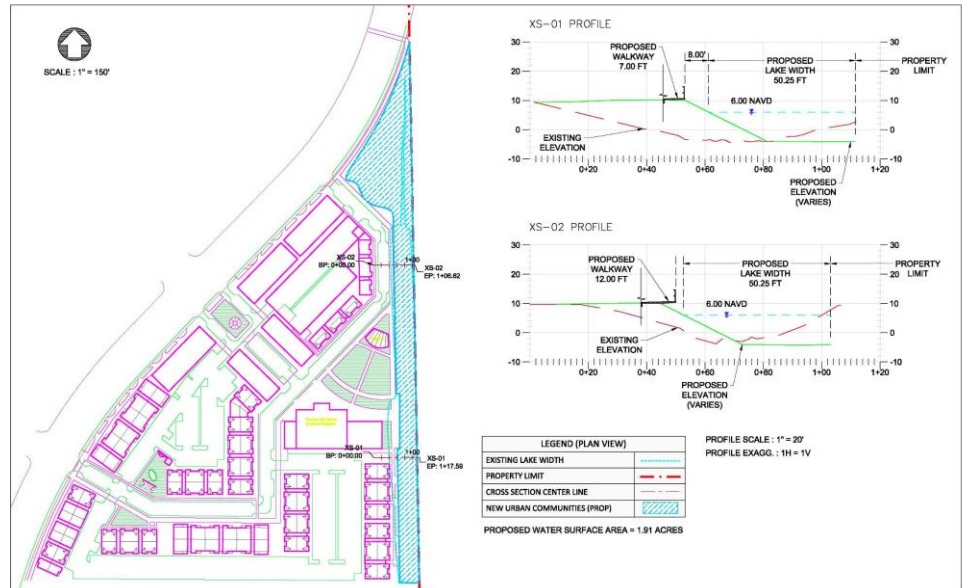
Contract Term:
2015

Result of the Project:
Survey was delivered on time
and at budget

Margate Canal Survey Margate, Florida



CITY OF
MARGATE
Together We Make It Great



Description of Work:

Craven Thompson provided professional Surveying services for the proposed canal rehabilitation and pedestrian path. We prepared Boundary, Topographic and Hydrographic Survey of the canal lying along the east side of Parcel "A", "Margate Third Addition". The north-south canal is extremely overgrown with Brazilian Pepper and Australian Pines making it difficult to locate edge of water, top of bank and deep cut line. Clearing these items was essential to the topographic data collection. This increased the accuracy of the survey and decreased the labor effort needed to obtain the as-built conditions. The survey met all the current surveying requirements of the Board of Professional Surveyors and Mappers of the State of Florida, as defined in Chapter 5J-17, Florida Administrative Code.

The survey included the recovery of enough boundary and right-of-way monumentation, to tie down the canals and cross-section locations.

The location of aboveground visible improvements including drains along the east side of the canal, buildings immediately adjacent to the southern portion of the canal, edge of water, top of bank, fences and visible utilities were located.

Topography was obtained on a 50-foot grid system, in the northern triangle of said Parcel "A", limited to the northerly 550 feet as measure along the east right of way of State Road 7 (US 441).

Client Contact:

Mr. Cotter Christian
Engineer/Project Manager
Margate Community Redevelopment
Agency (MCRA)
5970 Margate Boulevard
Margate, Florida 33063
Phone: (954)935-5458
Email: cchristian@margatefl.com

Project Role:

Prime Consultant

Start / Completion Date:
2016

Craven Thompson's Fees:
\$9,515.00

Bluesten Park Topographic and Boundary Survey

Hallandale Beach, Florida



Description of Work:

Craven Thompson provided a boundary and topographic survey for the design of Bluesten Park. The survey included the recovery of all boundary and/or Right-of-way monumentation, review of title report documents covering encumbrances upon the property, the location of aboveground visible improvements including all buildings, pavement, slabs, fences, signage, and utility features, the location of trees (2 inches and larger, measured 4 feet above ground).

Additional locations included aboveground visible improvements and pavement striping within the full rights-of way of the adjacent roads (SE 5th Street, SE 7th Street, SE 1st Avenue, Old Federal Highway), including the existing Lift Station near the northeast corner of the site. Topographic elevations of the site were measured on pavement, building finish floors, slabs, and walkways.

Topographic elevations were taken on an approximate 50-foot grid within the site and at 50-foot cross-section stations along the adjacent roadways for design purposes.

Bluesten Park includes a 42,000 sf Recreation Center with / Pool and Splash Play Area, Soccer/Multi-Use Field, three (3) baseball Fields, three (3) basketball courts, two (2) tennis courts, two (2) racquetball courts, boundless ADA inclusive playground, walking trails and pavilions; and full promenade streetscape design for surrounding streets for pedestrian friendly corridors and parallel parking.

Client Contact:

Mr. Manga Ebbe

Project Manager

City of Hallandale Beach

630 NW 2nd Street

Hallandale Beach, Florida 33009

Phone: (954) 457-3043

Email:

mebbe@hallandalebeachfl.gov

Completion Date:

2019 (Survey)

Craven Thompson's Fees:

\$35,000.00 (Survey Fees)

Construction Cost:

\$29.4 Million

NE 188th Street Seawall Survey Aventura, Florida



Description of Work:

Craven Thompson prepared a topographic survey of the concrete seawall north of the Aventura City of Excellence School, lying north of NE 188th Street, approximately 690 linear feet. This Topographic survey met all of the current surveying requirements of the Board of Professional Surveyors and Mappers of the State of Florida and included recovery of property monumentation along the seawalls, the location of all aboveground visible fixed improvements from the water's edge of the seawall, landward for approximately 25 feet, including trees with a trunk size of 3" diameter or greater. Elevations were measured sufficient for engineering design and cross sections were shown at 50-foot intervals.

Client Contact:

Mr. Joseph Kroll
Public Works/Transportation Director
City of Aventura
19200 W. Country Club Drive
Aventura, Florida 33180
Phone: (305) 466-8970
Email: jkroll@cityofaventura.com

Project Role:

Prime Consultant

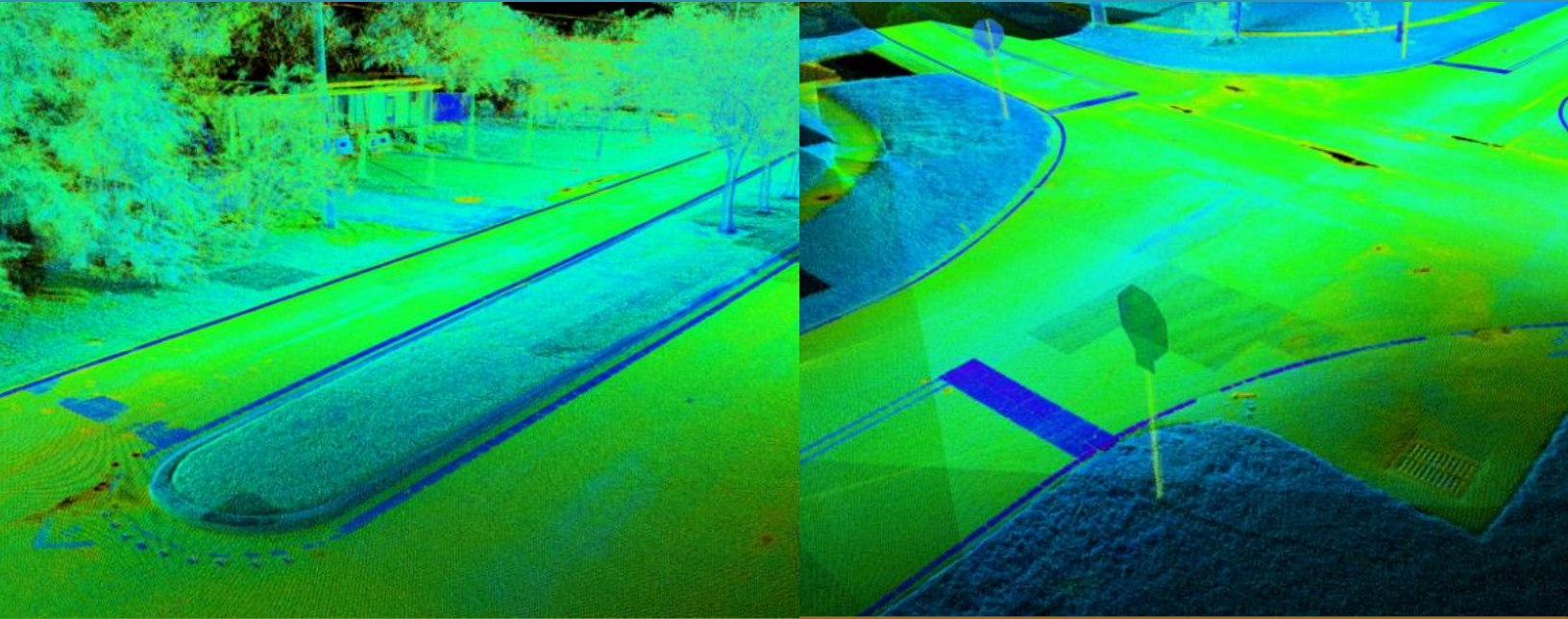
Contract Term:

2017

Result of Project:

Survey was delivered on time
and at budget

Plantation Gardens Phase IIB Watermain Plantation, Florida



Description of Work:

Plantation Gardens Phase IIB - is located generally between Sunrise Boulevard, the Turnpike, Palm Tree Road, and Holly Lane. Craven Thompson performed a topographic survey of the right-of-way along the route of the proposed watermain. This included all above ground improvements, and trees larger than 3" in diameter. We also obtained rims and inverts for all storm and sanitary structures along the proposed route.

Improvements included: 18,000 linear feet of water main, the installation of 31 new fire hydrants, and the installation of 250 new water services.

Client Contact:

Mr. Daniel Pollio
Capital Improvements Administrator
City of Plantation
400 NW 73rd Avenue
Plantation, Florida 33317
Phone: (954) 797-2209
Email: dpollio@plantation.org

Project Role:

Prime Consultant

Start / Completion Date:

September 2014 - March 2017

Craven Thompson's Fees:

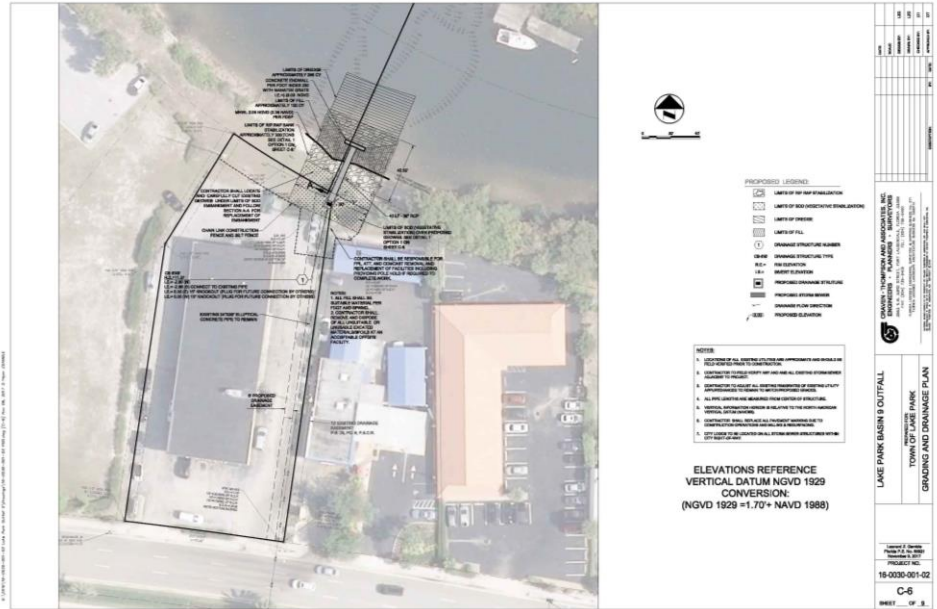
\$306,902.00

Construction Costs:

Actual: \$2,005,104.00

Bid: \$2,290,631.00

Storm Sewer Outfall Replacement to SFWMD C-17 Canal Survey Lake Park, Florida



Description of Work:

Craven Thompson & Associates, Inc. (CTA) prepared an As-built survey of the two (2) outfalls and two (2) drainage structures on-site at the Firestone Property in the City of Lake Park, Florida and also including one (1) structure at the car wash property and the next four (4) drainage structures upstream from and south of the Firestone property within the North Lake Boulevard Right of Way. The survey included three (3) hydrographic cross-sections of a portion of SFWMD Canal C-17 at the two (2) outfall locations to show existing bank slope conditions, above and below the water out to the north edge of water of the canal. The survey included the recovery and measurement of sufficient boundary and/or right-of-way monumentation, in order to tie down the drainage structures, canal topography, and cross-section locations. All locations and elevations were based upon boundary survey control and benchmark information provided by the client to us from an existing survey of the Firestone property by others. All boundary control horizontal locations provided by the client was tied into the State Plane, Florida East Zone, NAD 83/90 Coordinate system using Real Time Kinematic (RTK) GPS using the Trimble Navigation VRS State-wide GPS network.

Client Contact:
 Mr. Richard Scherle
 Town of Lake Park
 Public Works Department
 650 Old Dixie Highway
 Lake Park, Florida 33403
 Phone: (561) 881-3345
 Email: rscherle@lakeparkflorida.gov

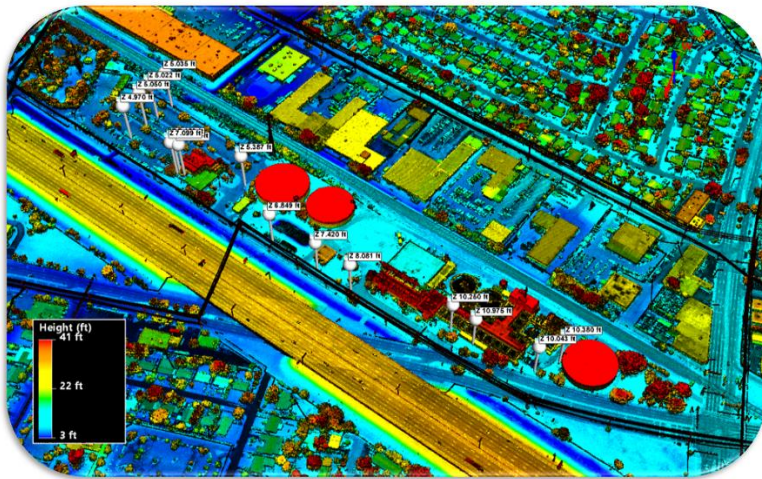
Project Role:
 Prime Consultant
Start / Completion Date:
 2016

Craven Thompson's Fees:
 \$9,600.00

Stormwater - GIS & Surveying
Fort Lauderdale, Florida

Fort Lauderdale – Stormwater Master Plan

Five Ash Water Treatment Plant



Fort Lauderdale Aerial Lidar

➤ **Random QA/QC Surveys**

- Lidar Elevations
- Survey Elevations

Survey to Lidar differences			
	ΔX	ΔY	ΔZ
	0.37	-0.27	0.05
	0.20	-0.14	0.06
	0.39	-0.02	0.03
	0.26	0.02	0.06
	0.14	0.09	0.08
	0.02	0.00	0.16
	0.25	-0.02	-0.05
	1.50	-2.75	0.00
	0.33	-0.03	0.13
	0.04	-0.14	0.03
	0.24	-0.22	0.13
	0.10	-0.41	0.13
	0.11	-0.17	0.17
	-0.09	-0.01	0.13
	0.00	-0.08	0.09
MEAN :	0.26	-0.28	0.08



Description of Work:

The survey limits of this project are described as the entire City limits of Fort Lauderdale. The City was flown with high density aerial LiDAR to a vertical accuracy of 0.15 feet across the entire City. From the LiDAR, Craven Thompson created a 2-foot grid Digital Elevation Model of the ground for modeling drainage flow. This required a GPS Control Network, and 309 ground control for the flight, performed over 5,000 verification shots on hard surfaces at major roadways across the city. The second part of this survey was to collect and evaluate 5,400 storm structures with Rims, Inverts, Pipe Size, material, and research As-built records of the City in the Stormwater system and provide the data to the City in ArcGIS Geodatabase conforming to their GIS Model Schema.

Client Contact:
 Mr. Rares Petrica, MBA, P.E.
 Senior Project Manager
 Public Works Department
 City of Fort Lauderdale
 100 N. Andrews Avenue
 Fort Lauderdale, Florida 33301
 Phone: (954) 828-6720
 Email: RPetrica@fortlauderdale.gov

Project Role:
 Sub Consultant

Project Duration:
 2016 - 2017

Craven Thompson's Fees:
 \$800,000.00

Nob Hill Soccer Park Survey

Sunrise, Florida



Description of Work:

Craven Thompson & Associates, Inc. was selected by the City to provide surveying, civil design, landscape architecture, permitting, bid assistance and construction services for the Nob Hill Soccer Club in the City of Sunrise.

A boundary and topographic was be performed on the existing conditions within the for the soccer park site for design purposes. The survey met the minimum technical standards for surveying in Florida, as defined in Chapter 5J-17.050 - 0.52 of the Florida Administrative Code, and be prepared in AutoCAD version 2011 or higher. The survey included all of the above-ground and visible features within the survey limits, including buildings, pavement, utilities, walkways, fences, signs, and utility poles, etc., located both horizontally and vertically and represented on the drawing. Rims, inverts and pipe sizes were measured on all Sanitary and Storm Sewer structures. The survey also included trees greater than 4-inches in diameter (four (4) feet above ground

Nob Hill Soccer Park is located west of Nob Hill Road and south of Sunset Strip Blvd. The project scope includes the following major elements:

- Removal and replacement of three (3) existing soccer fields
- Drainage improvements and synthetic turf for Fields 1 and 2
- Drainage improvements and Bermuda grass for Field 3
- Addition of new toddler playground at SE corner of existing community bldg.
- New shade structure, safety surface, fence and access to existing adjacent playground at Nob Hill Elementary School

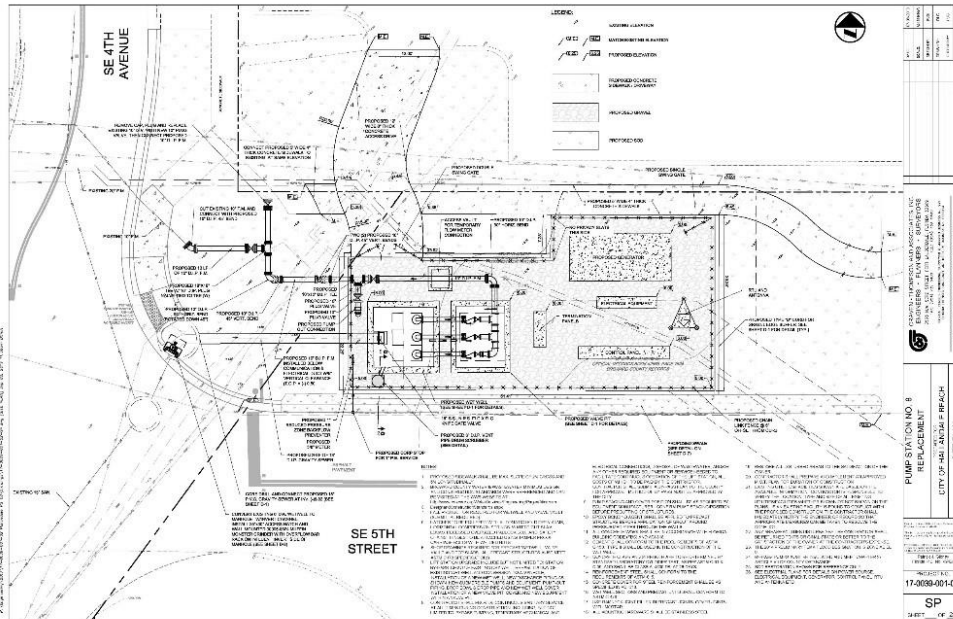
Client Contact:

Mr. Alan Gavazzi
 Capital Projects Director
 City of Sunrise
 777 Sawgrass Corporate
 Parkway
 Sunrise, Florida 33325
 Phone: (954) 572-2487
 Fax: (954) 746-3287
 Email: agavazzi@sunrisefl.gov

Completion Date:
 2019

Construction Cost:
 \$3.7 Million

Wastewater Pump Station No. 8 Design Survey Hallandale Beach, Florida



Description of Work:

Craven Thompson & Associates completed a topographic design survey for the design and permitting for Wastewater Pumping Station No. 8 in the City of Hallandale Beach.

The station is located at the northeast corner of SE 5th Street and Old Federal Highway. The project included the demolition of and temporary bypass pumping for existing Wastewater Pump Station No. 8. The new submersible tri-plex lift station has three (3) 60HP Myers 6VC600M4-43 pumps in a ten (10) foot diameter wet well. The station pumps 1140 GPM @ 117' TDH.

Client Contact:
 Mr. Peter Kunen
 Assistant Director of Public Works /
 City Engineer
 City of Hallandale Beach
 630 NW 2nd Street
 Hallandale Beach, Florida 33009
 Phone: (954) 457-3042
 Email: pkunen@cohb.org

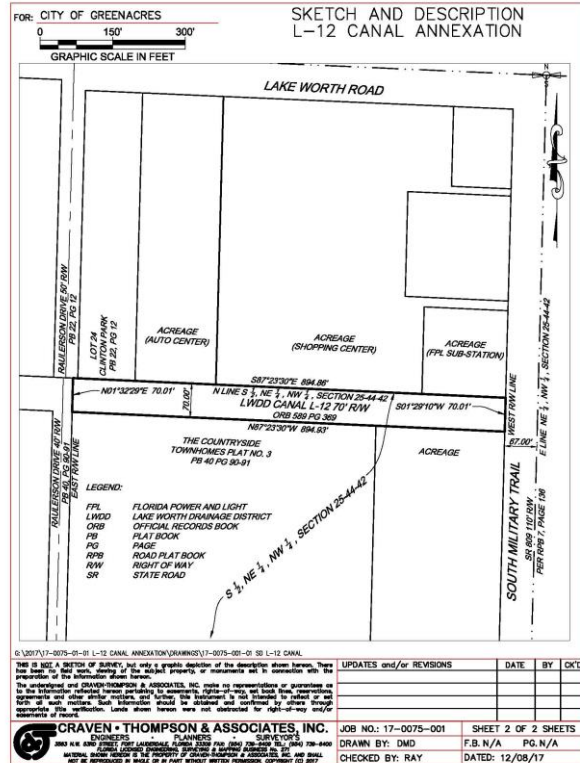
Project Role:
 Prime Consultant

Project Duration:
 2018 - 2020

Craven Thompson's Fees:
 \$127,000.00

Construction Cost:
 \$1,758,348.00

L-12 Canal ROW Annexation Easement Sketch & Legal Description Greenacres, Florida



Description of Work:

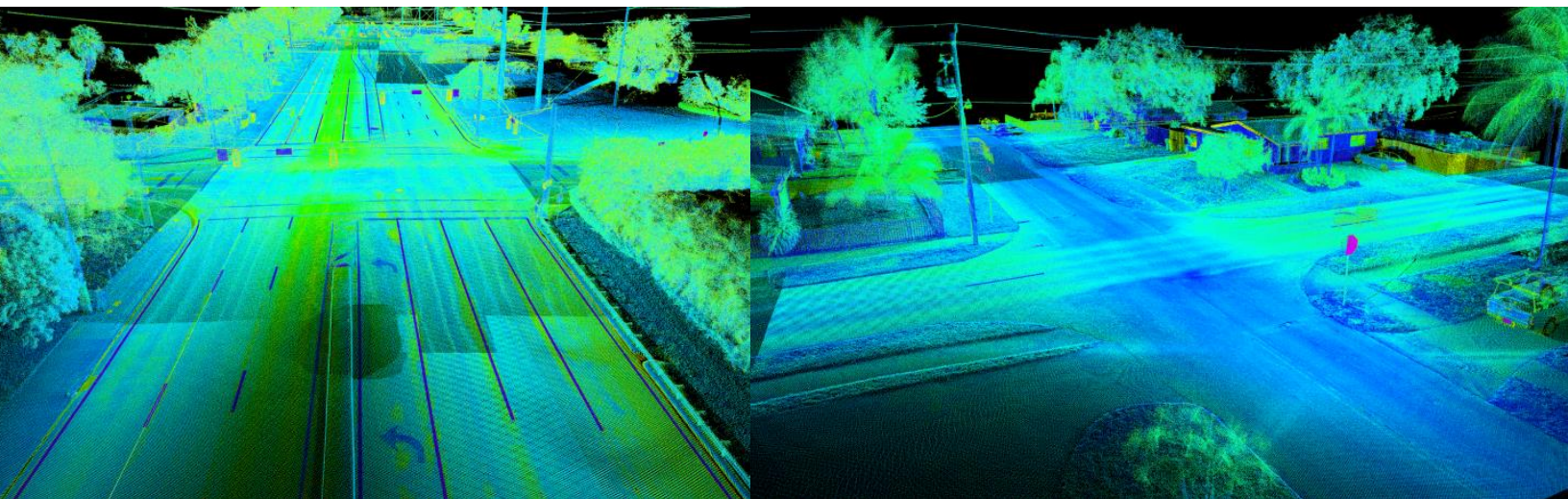
Craven Thompson & Associates, Inc. prepared a sketch and description for a portion of the LWDD L-12 canal right-of-way between Raulerson Drive and Military Trail as part of the effort to annex the property. This task included calculating the area of the property description.

Client Contact:
 Ms. Kara Irwin-Ferris
 Engineering & Planning Director
 City of Greenacres
 5800 Melaleuca Lane
 Greenacres, Florida 33463
 Phone: (561) 642-2054
 Email: kferris@greenacresfl.gov

Project Role:
 Prime Consultant

Start / Completion Date:
 2017

Watermain Replacement Program (from Taft St. to Charleston & N. 66th Ave to N. 72nd Ave.) Hollywood, Florida



Description of Work:

Craven Thompson & Associates prepared a topographic survey for engineering design purposes for thousands of feet of service and distribution water main replacement. The Survey consisted of locations and cross-section elevations in the full rights-of-Way of the streets within the Project Limits. A survey control baseline will be established throughout the Project Limits containing survey control points with both horizontal and vertical coordinate information in the form of x-y-z values, in State Plane, Florida East Zone, NAD83(90), US Survey Feet format. Craven Thompson utilized the survey control baseline to conduct a Topographic Survey of the full rights-of-ways of the streets locating multiple property corners within each block in order to establish a best-fit scenario for the rights-of-way, utilizing the found survey control and the recorded plats Topographic cross-section elevations were measured at one hundred (100) foot intervals along the entire route including ten (10) feet outside of the rights-of-way where it was accessible. The roadways were driven with high density Mobile Lidar to capture 3D topographic features of everything along each route so it could be located and plotted with a high degree of accuracy for the Survey & Design.

The project consists of approximately one (1) square mile of existing developed area, involving the construction of approximately 7,080 feet of new 4" water main, 34,105 linear feet of new 8" water main, 15,655 linear feet of new 12" water main, 5,110 linear feet of new 16" water main, and the relocation to the front of the lots of services located in the rear yards. This project also includes the installation of new fire hydrants, relocated services, right-of-way restoration, and the restoration of affected areas on private property.

Client Contact:

Mr. Clece Aurelus, P.E.
Engineering Manager
City of Hollywood
1621 North 14th Avenue
Hollywood, Florida 33020
Phone: (954) 921-3930
Email: caurelus@hollywoodfl.org

Project Role:

Prime Consultant

Start / Completion Date:

2014 (Survey)

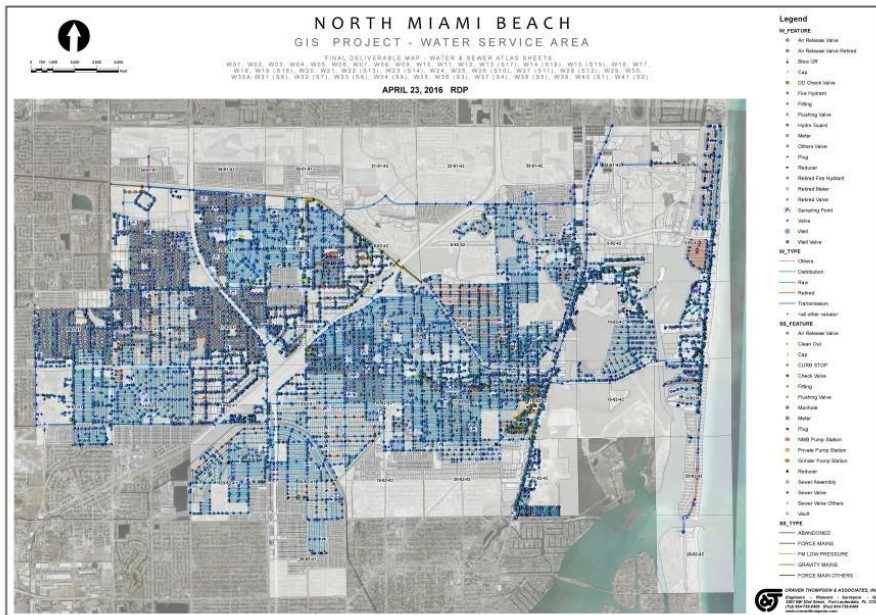
Craven Thompson's Fees:

\$988,724.00

Construction Cost:

\$17,280,556.00

Water and Sewer GIS Project North Miami Beach, Florida



Description of Work:

The purpose of the 25,600-Acre Service Area Project was to provide the City with the complete GIS product of their water and sanitary system. This involved the conversion of the City's existing water and sanitary sewer infrastructure, from an AutoCAD drawing file format to the industry standard, Environmental Systems Research Institute (ESRI) Geographic Information System (GIS) format. The Project included the entire North Miami Beach Utility service area. The process included conversion of existing AutoCAD files, into the same coordinate system as the GIS, so that future updates will be more easily transferred between the two systems, for updates and maintenance. The project involved setting up a GIS Network file structure for the City to insert existing and future documentation into, as well as, adding GIS database information in the future.

Client Contact:

Mr. Karim L. Rossy
Development Engineer 3
NMB Water/Jacobs
17050 NE 19th Avenue
North Miami Beach, Florida 33162
Phone: (305) 948-2980

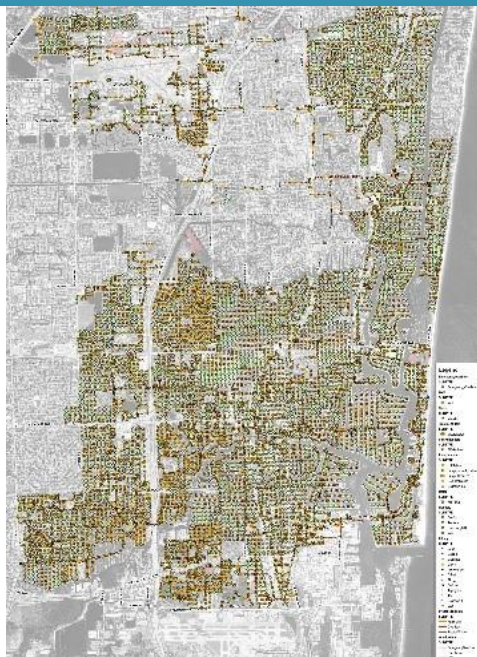
Email: karim.rossy@jacobs.com

Project Role:
Prime Consultant

Contract Term:
2014 - 2016

Result of the Project:
Survey / GIS was delivered on time
and at budget

Sanitary Sewer System GIS & Surveying Fort Lauderdale, Florida



Description of Work:

Craven Thompson established Primary and Secondary Vertical Control with over 3,000 new benchmarks for Sanitary Sewer Mapping of the City, including As-built/Inventory of Manholes, pump Stations, meters, valves, air valves and 80 miles of force mains. During Sewer Mapping Phase I, the Benchmarks and GPS Control monuments were established for each of the 52 Data Collection Zones (DCZ). The benchmarks and monuments were utilized with a GPS base station during the feature data acquisition phase. Phase II included multiple feature data acquisitions for the City's GIS System and for certain areas to be thoroughly modeled. The data acquisition features collected as part of this Phase included 5908 manholes, 190 Pump Stations, 15 Meters, and 80 miles of pressure pipes with 752 valves and 285 Air release valves. The initial work on this phase focused on the 5,908 manholes identified under Phase I. These features required the most of the field work and acquisition time. The manholes were divided into two categories, those that needed to be modeled completely, including 1,163 manholes which needed complete horizontal and vertical as-built information inside and out, and another 4,745 manholes which need only a minimum of horizontal and vertical information, being the rim and the inside bottom of structure.

Craven Thompson collected and updated manhole GIS geodatabase. We utilized the Trimble Terraflex program to extract the database fields from the GIS manhole feature class inside of an electronic data collector (Samsung or iPad) for collecting the structure and pipe information inside of each manhole, pump stations and valve vaults.

Client Contact:

Mr. Jorge Holguin
Senior Project Manager
City of Fort Lauderdale
Public Works
200 N. Andrews Avenue
Fort Lauderdale, Florida 33301
Phone: (954) 828-5675
Email: jholguin@fortlauderdale.gov

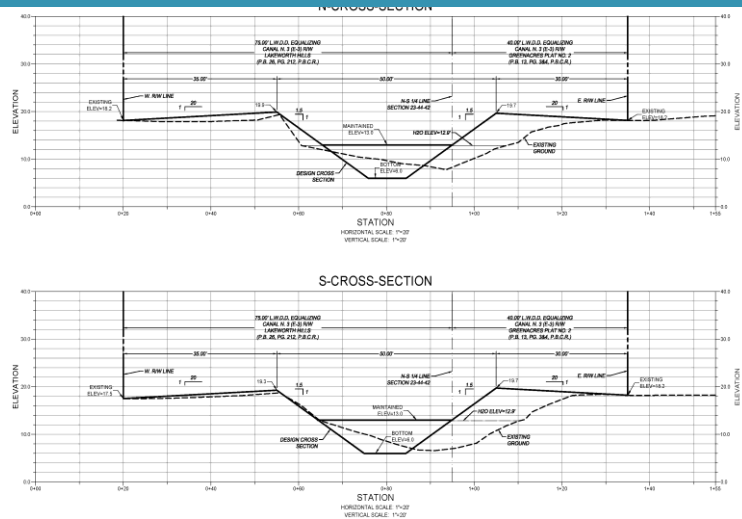
Project Role:

Prime Consultant

Project Duration:

2018 - 2019

Hydrographic and Storm Water Infrastructure Survey Greenacres, Florida



Description of Work:

Along with their sub-consultant, Craven Thompson & Associates, Inc. created a survey from high resolution, low level LiDAR and ground surveying. The survey included roadways and canal cross-sections for proposed Drainage Improvements. Also included Right-of-way surveys, storm drains, canals and ditches along 1st Street in the Original Section area of the City of Green Acres and a portion of Lake Worth Canal E-3 (cross sectioned).

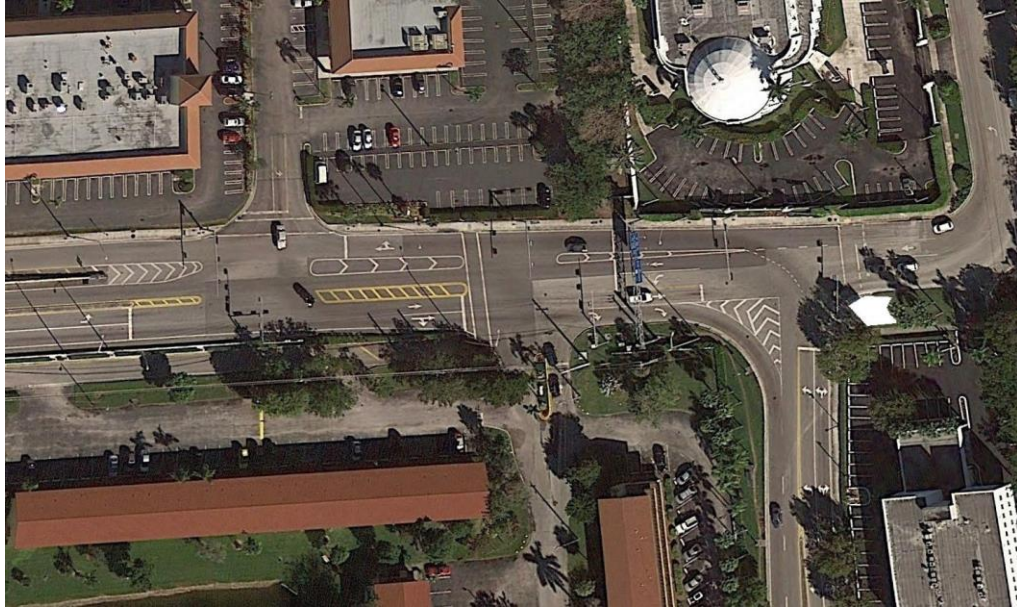
Client Contact:

Mr. Carlos I. Cedeño
Public Works Director
City of Greenacres
5750 Melaleuca Lane
Greenacres, Florida 33463
Phone: (561) 642-2074
Email: ccedeno@greenacresfl.gov

Project Duration:

December 15th thru
December 23rd, 2014

NE 203rd Street Sidewalk Improvement Survey Aventura, Florida



Description of Work:

Craven Thompson provided surveying, engineering specific to the preparation of improvements along NE 203rd Street from NE 29th Place to NE 29th Court. The improvements consisted of the addition of a sidewalk from the existing bus stop on NE 29th Place (on the west side of the roadway) to the northeast corner of NE 29th Court at NE 203rd Street, including a marked crosswalk across NE 29th Court. We prepared a topographic survey of the existing right-of-way of NE 203rd Street from 100 feet west of NE 29th Court to NE 30th Avenue containing approximately 500 linear feet of road.

Client Contact:

Mr. Joseph Kroll
Public Works/Transportation Director
City of Aventura
19200 W. Country Club Drive
Aventura, Florida 33180
Phone: (305) 466-8970
Email: jkroll@cityofaventura.com

Project Role:

Prime Consultant

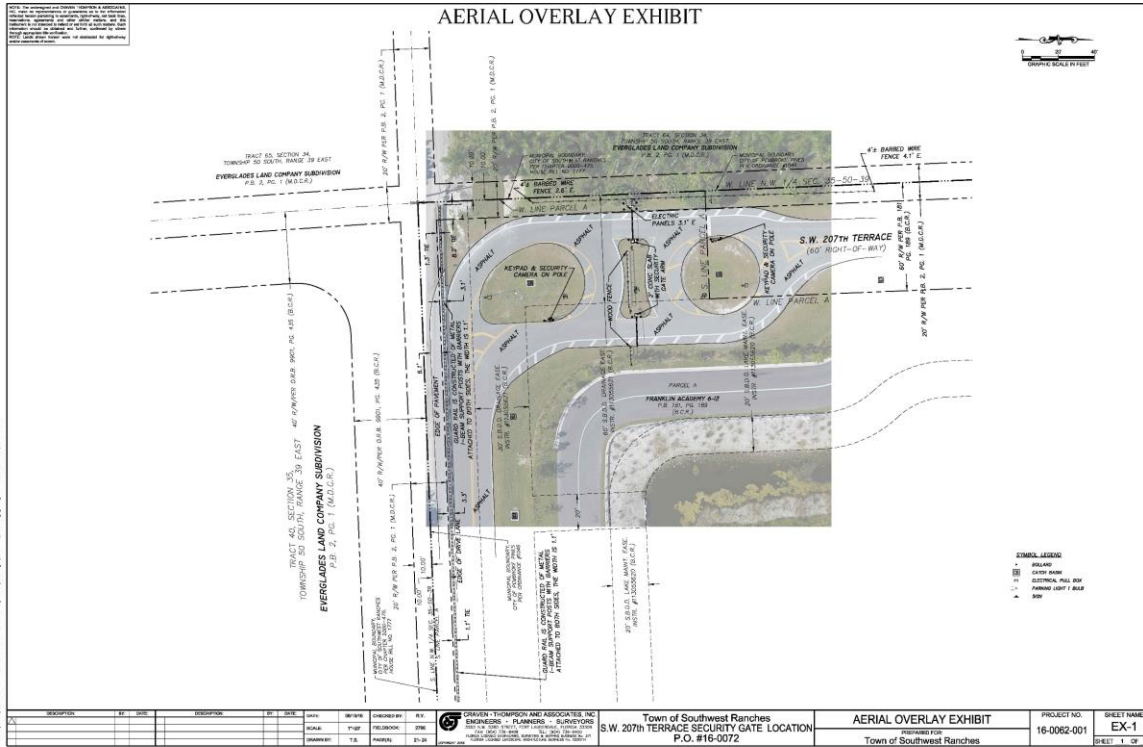
Contract Term:

2015

Result of Project:

Survey was delivered on time
and within budget

As-Built Survey of Security Gates Southwest Ranches, Florida



Description of Work:

Craven Thompson & Associates prepared an as-built survey of a portion of the boundary of the Town of Southwest Ranches, along SW 207th Terrace and SW 54th Place. The purpose of this survey was to determine the relationship of the security gate operating equipment, to the dedicated right-of-way for SW 207th Terrace, and the location of the existing guard rail, and its relationship to the dedicated right-of-way for SW 54th Place.

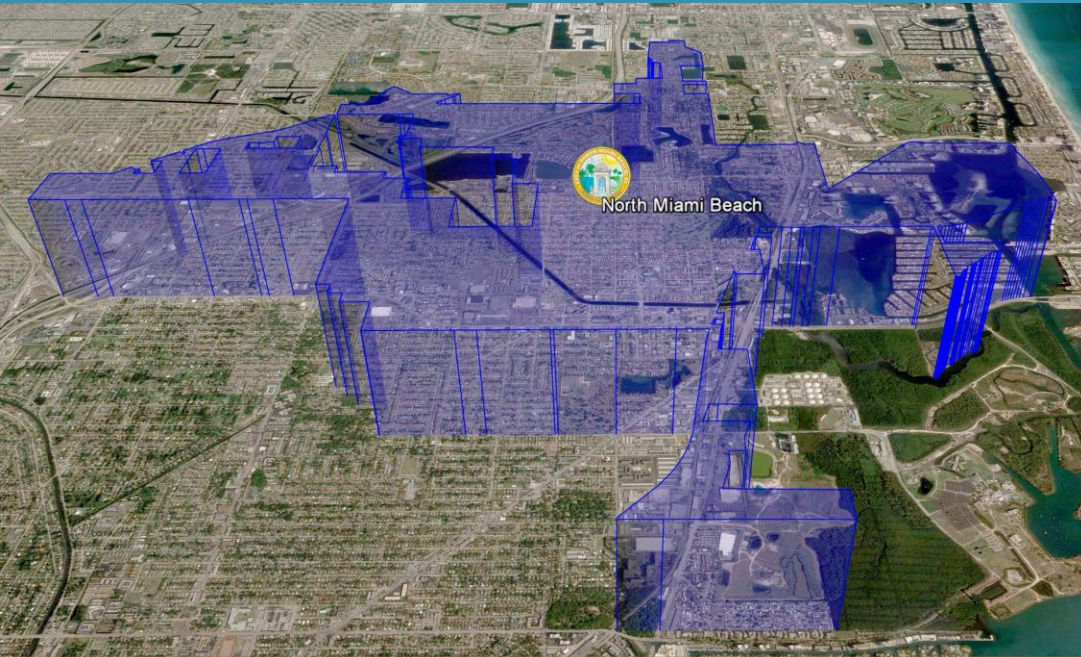
Client Contact:

Ms. Emily McCord-Aceti
 Community Services Manager
 Town of Southwest Ranches
 13400 Griffin Road
 Southwest Ranches, Florida 33330
 Phone: (954) 343-7453
 Email: eaceti@southwesteranches.org

Project Role:
 Prime Consultant

Start / Completion Date:
 2016

Stormwater GIS / Surveying Data Collection Project North Miami Beach, Florida



Description of Work:

The City is divided into six (6) zones and that structure/pipe data was collected within each zone and identified by zone and structure numbers. GIS data was collected and processed utilizing the City's existing Unit ID naming system in the geodatabase. The Craven Thompson data was collected by a Unique ID. Craven Thompson provided the City with a copy of the updated geodatabase with all the proposed data fields to be collected for review. The GIS data collected consists of: Structure type (junction, inlet, control structure, drainage well); Pipes, Culvert and Outfalls, and Headwalls and Seawalls.

Client Contact:

Ms. Judeen Johnson, P.E.
Public Works Director
City of North Miami Beach
17050 NE 19th Avenue
North Miami Beach, Florida 33162
Phone: (305) 948-2967

Email: Judeen.Johnson@cityymb.com

Project Role:

Prime Consultant

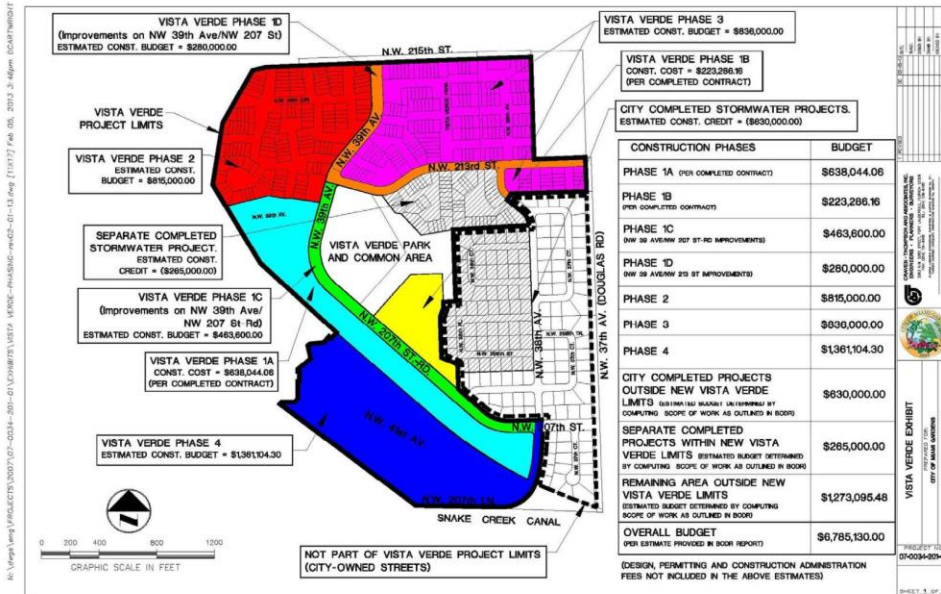
Contract Term:

2017 - 2018

Result of the Project:

Survey was delivered on time
and at budget

Livable Neighborhood Improvement Project - Vista Verde, Phases 1A & 1B Survey Miami Gardens, Florida



Description of Work:

The Vista Verde Phase 1A & 1B Improvements is a drainage project for the City of Miami Gardens, bordered by NW 213th Street to the north, NW 207th Lane to the south, NW 37th Avenue (Douglas Road) to the east, and a vacant plot of land to the west. The project included surveying from right-of-way to right-of-way and 10' beyond for 2000 LF of roadway right-of-way. This involved location of all visible aboveground improvements as well as obtaining inverts for storm and sanitary structures. The surveying Department developed an engineering base map for design.

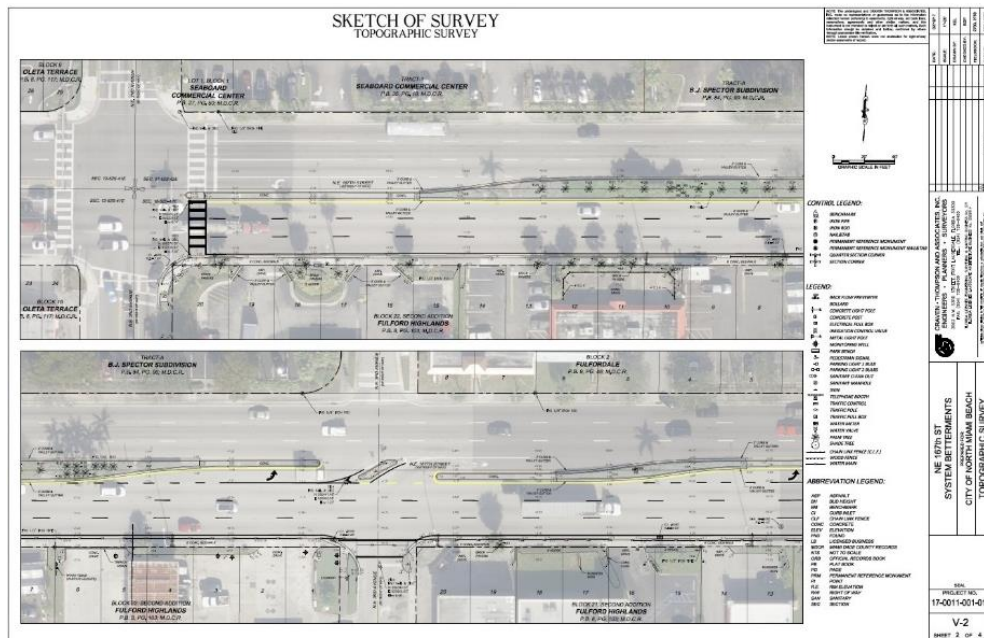
Client Contact:
Mr. Tom Ruiz, CGC, CFM
Public Works Director
City of Miami Gardens
1050 NW 163rd Drive
Miami Gardens, Florida 33169
Phone: (786) 279-1260
Email: truiz@miamigardens-fl.gov

Project Role:
Prime Consultant

Contract Term:
2013 - 2015

Result of Project:
Survey was delivered on time
and at budget

NE 167th Street Topography Survey North Miami Beach, Florida



Description of Work:

Craven Thompson prepared a topographic survey for design purposes within the within the eastbound traffic lanes on the south half of the right of way along NE 167th Street (Golden Glades Drive) from NE 2nd Avenue, east to NE 6th Avenue for a length of approximately 2,600 linear feet of roadway right-of-way.

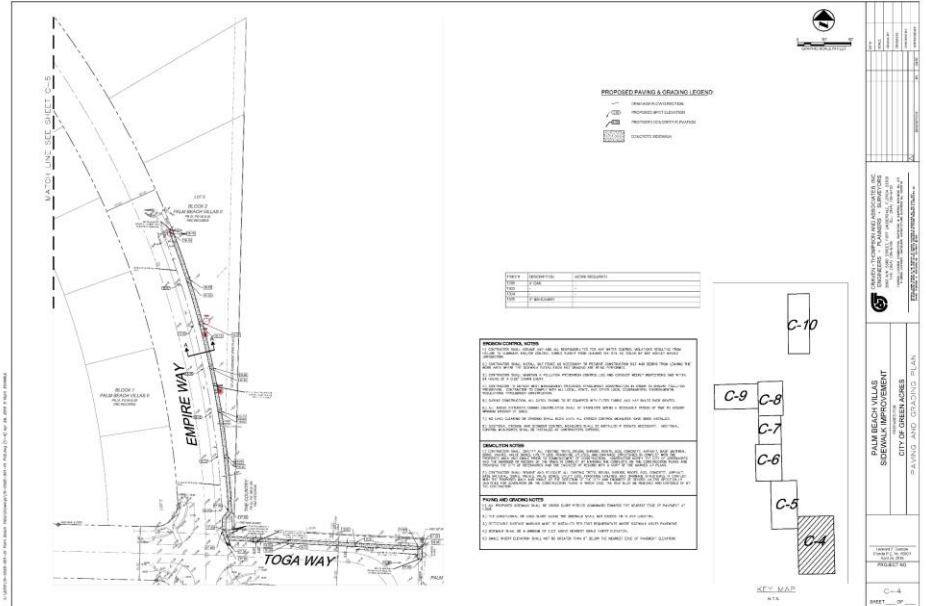
Client Contact:
 Mr. Karim L. Rossy
 Development Engineer 3
 NMB Water/Jacobs
 17050 NE 19th Avenue
 North Miami Beach, Florida 33162
 Phone: (305) 948-2980
 Email: karim.rossy@jacobs.com

Project Role:
 Prime Consultant

Contract Term:
 2017

Result of the Project:
 Survey was delivered on time
 and at budget

Palm Beach Villas Sidewalk Survey Greenacres, Florida



Description of Work:

Craven Thompson & Associates, Inc. provided professional surveying services for the sidewalk project. The survey locations consisted of four sections of Empire Way (2200'), portions of Toga Way (210'), Nicia Way (120'), and Centurian Way (650'). The entire project totaling 3,180 lineal feet was surveyed for sidewalk design. This survey consisted of preparing a design survey of the roadways noted above. The limits of the survey were one-half right-of-way on the side of the proposed sidewalk, from the crown of road to the right-of-way line, plus 5-feet beyond where accessible. The width was expanded to depict the nature of the topography at the lake and canals, along Empire Way, again where accessible. We prepared calculations covering the project area based on the plats, property appraiser records and deeds, to determine the location of the right-of-way lines and property lines. Craven Thompson recovered right-of-way monumentation, property corners and other horizontal survey control in the project area, to determine the location of the streets noted above, and the affected properties.

We set horizontal control points in convenient locations, along the roadways for survey data collection. We established vertical control (benchmarks) on the horizontal control points along the survey route, for topographic data collection and future grading. These benchmarks were relative to the North American Vertical Datum of 1988 (NAVD88).

Client Contact:

Mr. Carlos I. Cedeño
Public Works Director
City of Greenacres
5750 Melaleuca Lane
Greenacres, Florida 33463
Phone: (561) 642-2074
Email: ccedeno@greenacresfl.gov

Project Role:
Prime Consultant

Start / Completion Date:
2016

Craven Thompson's Fees:
\$17,470.00

GIS Utility Atlas Port Everglades Florida



Description of Work:

As the General Consultant for the Port Everglades, Craven Thompson & Associates, Inc. (CTA) assisted the Port in preparing a Port-wide GIS mapping of all drainage, sanitary sewer and water distribution facilities as well as other utilities.

The purpose of the project was to provide the Port with a functional Utility GIS in ESRI ArcGIS format for all underground water, sanitary and storm sewer, electric, and telecommunication utilities along with all aboveground appurtenances (i.e.: fire hydrants, valves, utility covers, etc.). This allows the Port to better manage, operate and maintain their facilities and also assists in improving operations and response by fire rescue. CTA also provided the following services as part of this project: research of Port records and conversion of As-built Utilities files, as well as field surveys to verify locations; coordination with Port staff; GIS mapping of all of the Ports utilities; and presentations to the Port staff.

Client Contact:

Mr. John Foglesong, Division Director
Seaport Engineering and
Construction Division
Public Works & Transportation Dept.
1850 Eller Drive
Fort Lauderdale, Florida 33316
Phone: (954) 523-3404
Email: jfoglesong@broward.org

Project Role:

Craven Thompson was the
Prime Consultant

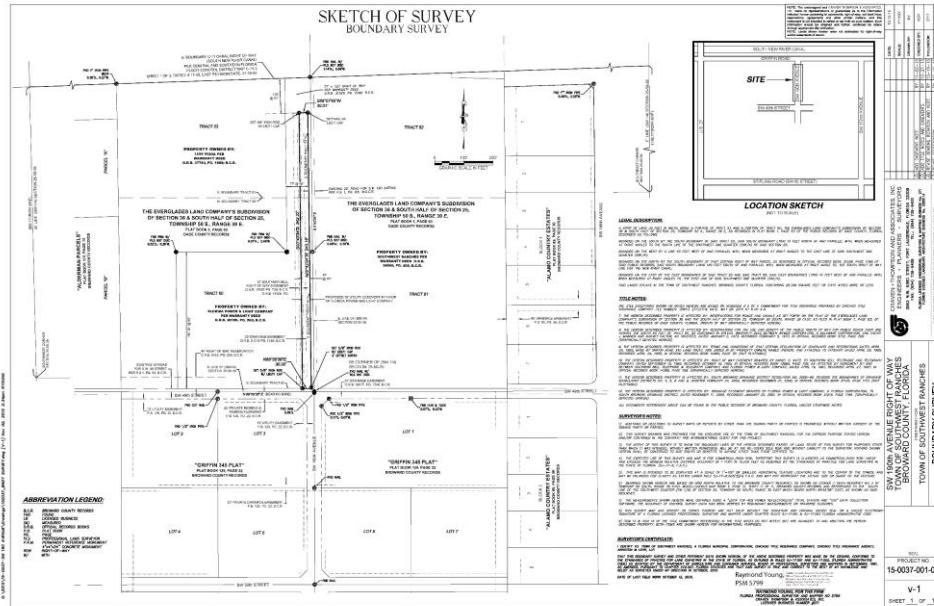
Contract Term:

January 2009 - December 2010

Contract Amount:

\$197,910.00

SW 190th Avenue Topographic Survey Southwest Ranches, Florida



Description of Work:

Craven Thompson prepared a topographic survey of SW 190th Avenue, from one hundred (100) feet south of SW 49th Street, to the north edge of pavement of Griffin Road, approximately 1,215 linear feet in length. The survey consisted of the existing twenty (20) foot wide of platted right-of-way, and a minimum of thirty (30) feet west and twenty-five (25) feet east of the existing right-of-way, for locations and topographic elevations. At the intersections of Griffin Road and SW 49th Street, the locations included up to one hundred (100) feet east and west of each intersection. The survey met all of the current surveying requirements of the Board of Professional Surveyors and Mappers of the State of Florida, as defined in Chapter 5J-17.050 - .052, Florida Administrative Code.

- The survey included the finding or establishing of the survey control monumentation for the existing right-of-way, and adjacent properties, in order to tie all improvement to.
- The location of all above-ground visible improvements including pavement, slabs, fences, signs, overhead wires and utility features, within the limits of the survey.
- Existing trees three-inches in diameter and above, at four (4) feet above ground, were located and identified with diameter and common name.
- Elevations were taken on an approximate one-hundred-foot grid on natural ground, and on all pavement, slabs, and utilities within the site.
- Rims, inverts and pipe sizes will be measured on all sanitary and drainage structures.

Client Contact:

Ms. Emily McCord-Aceti
Community Services Manager
Town of Southwest Ranches
13400 Griffin Road
Southwest Ranches, Florida 33330
Phone: (954) 343-7453
Email: ecaceti@southwesteranches.org

Project Role:

Prime Consultant
(Land Surveying)

Duration of Project:

3 Months

Completion Date:

November 2015

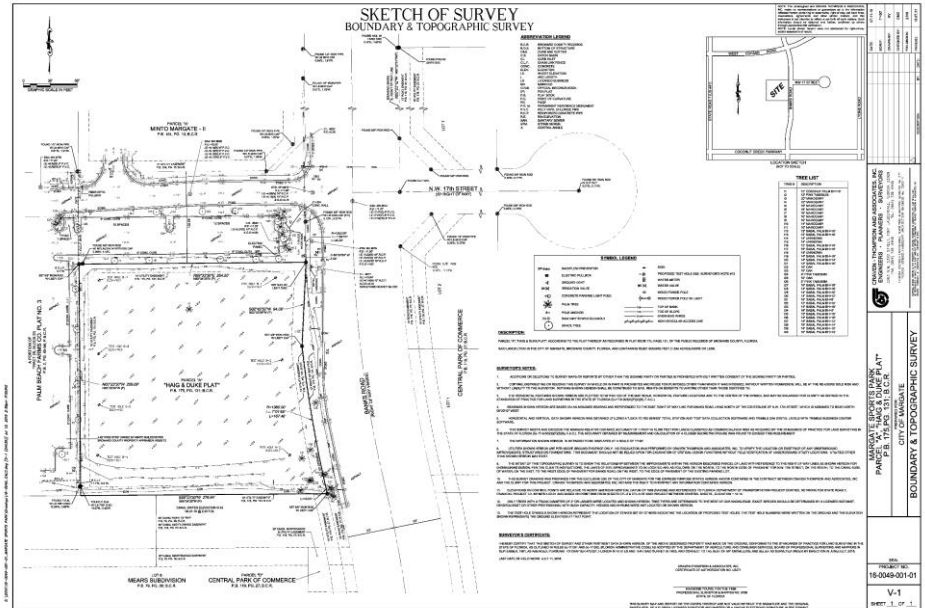
Craven Thompson's Fees:

\$10,900.00

Margate Sports Park Survey
Margate, Florida



CITY OF
MARGATE
Together We Make It Great



Description of Work:

Craven Thompson & Associates, Inc. (CTA) prepared a boundary and topographic survey of Parcel "A" of the Plat. The survey meets current surveying requirements of the Board of Professional Surveyors and Mappers of the State of Florida, as outlined in Chapter 5J-17 of the Florida Administrative Code. The boundary survey includes the recovery and/or setting of property boundary monumentation, and location of aboveground visible improvements (pavement, utility structures, valves, poles, overhead wires, fire hydrants, etc.). On-site topography was obtained at 25'± intervals, including high and low points, and the edge of canal on the south side. Off-site topography was obtained at 50'± intervals to the back of sidewalk, along Banks Road, back of parking along the west side, and to the north side of NW 17th Street. CTA obtained rim and invert elevations with pipe size and type of material of sanitary sewer and storm sewer structures. The survey was prepared in AutoCAD Civil 3D, drawing file format. Elevations will be based on the North American Vertical Datum of 1988 (NAVD 88) and referenced to a National Geodetic Survey benchmark.

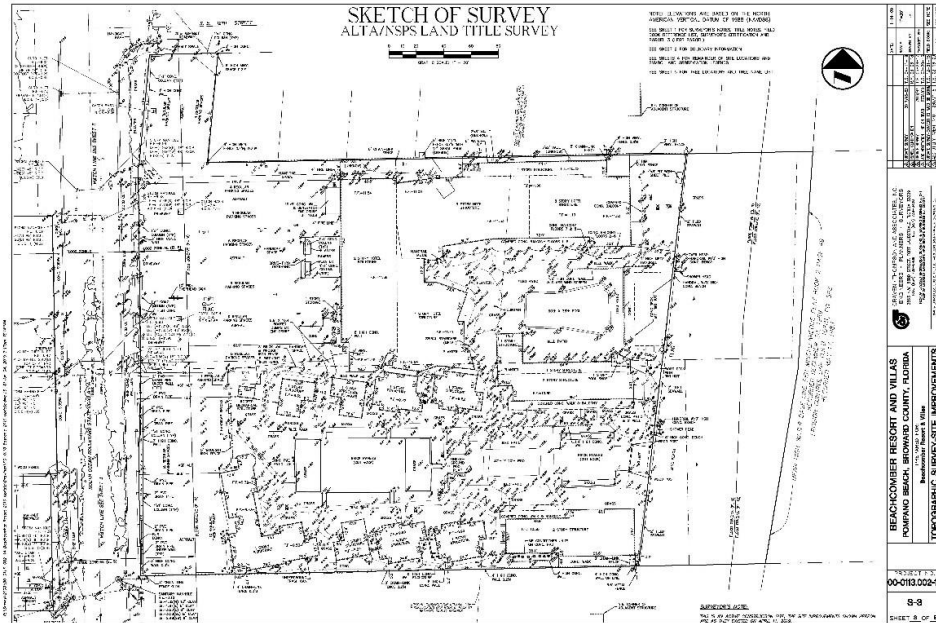
Client Contact:
 Mr. Cotter Christian
 Engineer/Project Manager
 Margate Community Redevelopment
 Agency (MCRA)
 5970 Margate Boulevard
 Margate, Florida 33063
 Phone: (954)935-5458
 Email: cchristian@margatefl.com

Project Role:
 Prime Consultant

Start / Completion Date:
 2016

Craven Thompson's Fees:
 \$8,930.00

Beachcomber Villas ALTA Survey and Flood Certificate Pompano Beach, Florida



Description of Work:

Craven Thompson & Associates prepared a boundary and topographic survey of the residential property, situated along the Atlantic Ocean on the above-referenced property. Located Coastal Construction Control Line, and FIRM Velocity Zones. Obtained building, site and mechanical equipment elevations, record pictures and prepared a single FEMA Elevation Certificates for the lobby, restaurant and hotel tower structures.

Client Contact:

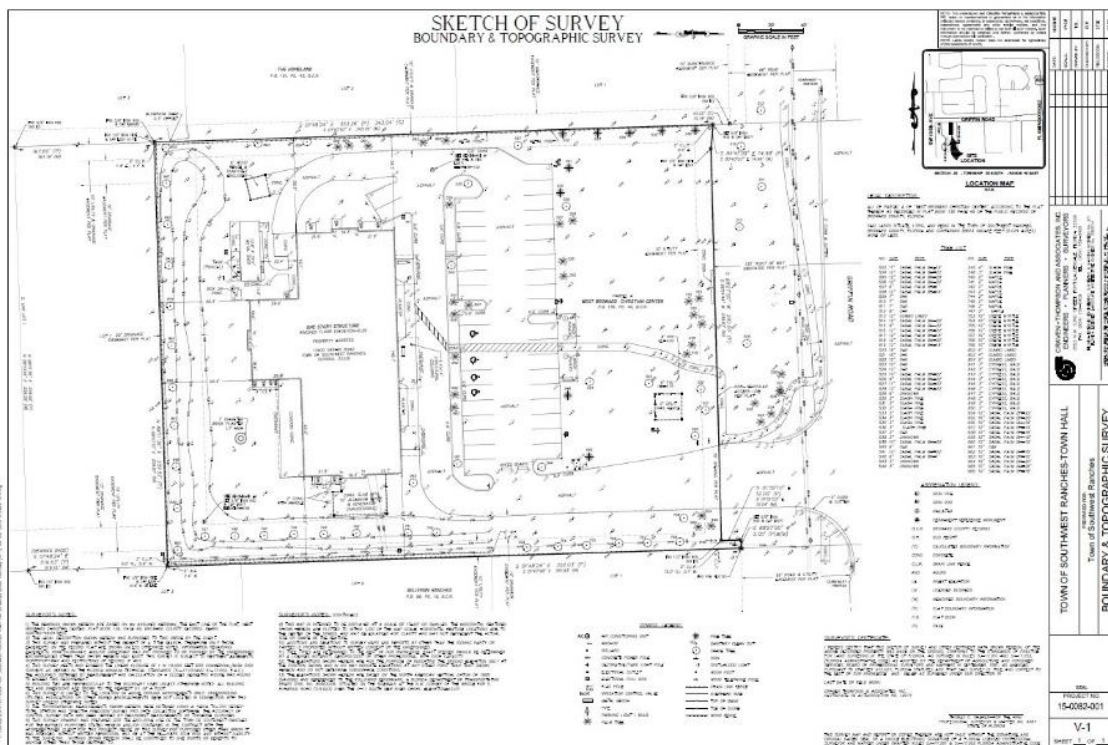
Mr. Jack Miller
 Beachcomber Resort and Villas
 1200 South Ocean Boulevard
 Pompano Beach, Florida 33062
 Phone: (954) 941-7830
 Email: jack@beachcomberresort.com

Project Role:
 Prime Consultant

Contract Term:
 2019

Craven Thompson's Fees:
 \$10,193.00

Town Hall Boundary and Topographic Survey Southwest Ranches, Florida



Description of Work:

Craven Thompson prepared a boundary and topographic survey, a boundary plat, plat revisions, and certified corner records for the Southwest Ranches Town Hall Parcel. This included recovery and/or setting of the existing boundary and/or right-of-way monumentation, establishing two (2) site benchmarks on, or adjacent to the property, locating of all existing aboveground visible improvements within the survey limits, including buildings, pavement, walkways, slabs, fences, utilities, trees, and signs, locating of all aboveground and visible utilities features on, or immediately adjacent to the site, including trees (4" diameter at breast height), and also including the full right-of-way of Griffin Road, and topography including spot elevations on the site on an approximate one hundred (100) foot grid around the property, including the finish floor of the buildings, and spot grades of the parking areas, driveways and sidewalks.

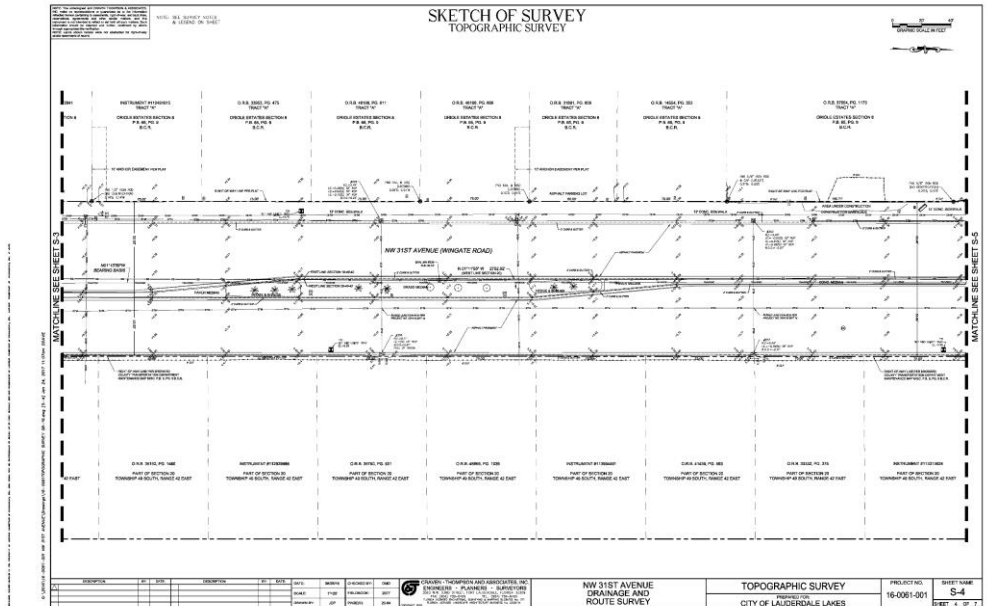
Client Contact:
 Ms. Emily McCord-Aceti
 Community Services Manager
 Town of Southwest Ranches
 13400 Griffin Road
 Southwest Ranches, Florida 33330
 Phone: (954) 343-7453
 Email: ecaceti@southwesteranches.org

Project Role:
 Prime Consultant

Contract Term:
 2015

Result of The Project:
 Survey was delivered on time
 and at budget

NW 31st Avenue Route Survey Lauderdale Lakes, Florida



Description of Work:

The location of the project is within the right-of-way of NW 31st Avenue, from NW 44th Street, to NW 35th Street. The overall project includes surveying for the reconstruction of the roadway, between these limits, and the addition of a sidewalk on the east side of the right-of-way, which will require the roadway median to be shifted to the west.

Craven Thompson prepared a topographic survey for engineering design of a portion of NW 35th Avenue in the City of Lauderdale Lakes covering 3,500 lineal feet.

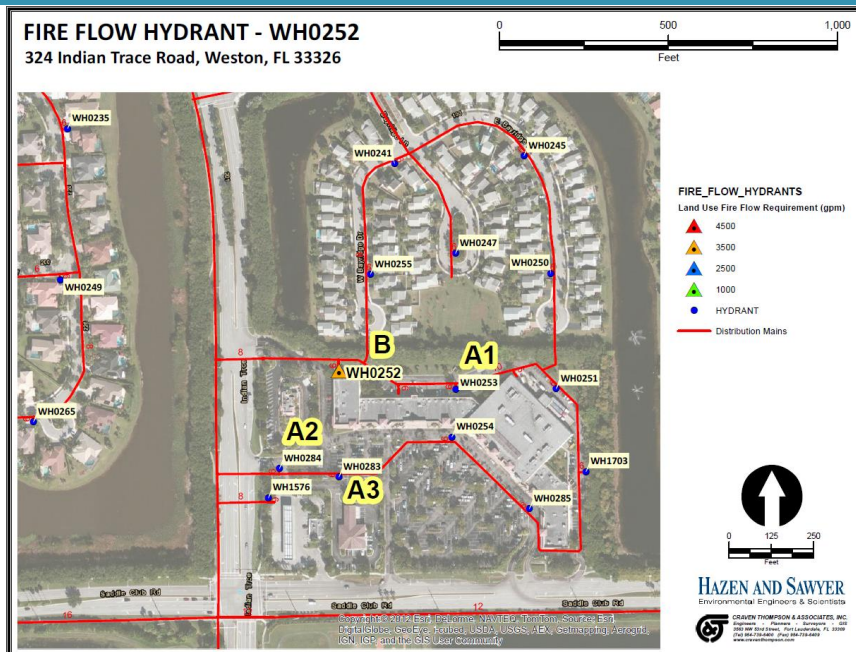
- The survey met all of the current surveying "Standards of Practice" requirements of the Board of Professional Surveyors and Mappers of the State of Florida, as defined in Chapter 5J-17.050 - .052, Florida Administrative Code.
- The survey included the finding and establishing Survey Control monumentation for the existing right-of-way and adjacent properties to tie all improvements to.
- The location of all aboveground and visible improvements including pavement, slabs, fences, signs, trees, overhead wires and utility features within the limits of this survey as defined.
- Cross-section elevations were taken at 100 intervals along the entire route.
- Rims, Inverts and pipe sizes were measured on all sanitary and drainage structures
- All elevations were relative to North American Vertical Datum of 1988 (NAVD88) and based on National Geodetic Survey (NGS) or Florida Department of Transportation (FDOT) Benchmarks.
- Two (2) benchmarks were provided on or immediately adjacent to each site for future construction.
- The preparation of the survey drawing was in AutoCAD Civil 3D, Version 2014 and converted to MicroStation format for delivery, and provided along with hard copy signed and sealed surveys.

Client Contact:

Mr. Ronald Desbrunes, P.E.
Director of Public Works
City of Lauderdale Lakes
4300 NW 36th Street
Lauderdale Lakes, Florida 33319
Phone: (954) 535-2778
Email: RonaldD@lauderdalelakes.org

Start / Completion Date:
2016

GIS Water Model, GIS for Maintenance & Testing of Fire Hydrants for Pressure, Fire Flow, and Flow Monitoring, Sunrise, Florida



Description of Work:

As the GIS Subconsultant for Hazen and Sawyer for the City of Sunrise - Water Model, we took the City's existing Hydrant data and created maps and forms for the field monitoring by City Employees. The maps and forms are to be used for the maintenance and testing of the fire hydrants throughout the city for pressure, fire flow, and overall flow monitoring and keeping track of it in their existing GIS System.

Client Contact:

Ms. Caitlin T. Klug, PE
Hazen and Sawyer, PC
4000 Hollywood Blvd. Suite 750N
Hollywood, Florida 33021
Phone: (954) 987-0066
Email: cklug@hazenandsawyer.com

Project Role:
Sub-consultant

Contract Term:
December 2012 - January 2013

Contract Amount:
\$10,000.00


Bell Gardens Pump Station 22 and Forcemain Survey North Miami Beach, Florida

CITY OF NORTH MIAMI BEACH
BELL GARDENS 12-INCH FORCEMAIN (PS-22)
CITY PROJECT NO. SW-0404
CITY OF MIAMI GARDENS, MIAMI-DADE COUNTY, FLORIDA

MAYOR & COUNCIL
 GEORGE W. COLE
 ANTHONY J. D'AMICO
 PHILIP B. BISH
 BETH V. GREGG
 FRANCIS FERRIS
 BAHAMIA ANJOUR
 BRADLEY BARTOL
CITY MANAGER
 JIM GARCIA
CITY ATTORNEY
 JOSE BAYO
DIRECTOR OF NMB WATER
 JEFFREY F. THOMPSON, P.E.
CITY CLERK
 JANELLA LUTSHERE



CONTACTS:
 CITY OF NORTH MIAMI BEACH (NORTH PROJECT)
 TERRY W. BISH, MANAGER
 NORTH MIAMI BEACH, FL 33162
 (305) 948-2980
 KIMBERLY WATKINS, CHIEF ENGINEER
 KIMBERLY.WATKINS@NMB.COM


CITY OF MIAMI GARDENS (PROJECT LOCATION)
 MARIO M. OTTEVALE
 MIAMI GARDENS, FL 33139
 (305) 948-1000



LOCATION MAP
 SECTION 34, TOWNSHIP 51 SOUTH, RANGE 41 EAST (NORTH OF HONEY HILL DRIVE)
 SECTION 5, TOWNSHIP 52 SOUTH, RANGE 41 EAST (SOUTH OF HONEY HILL DRIVE)

PREPARED FOR:
CITY OF NORTH MIAMI BEACH



SHEET INDEX	
SHEET NO.	DESCRIPTION
C-1	COVER SHEET
C-2	GENERAL NOTES & SPECIFICATIONS
C-3 THROUGH 4	TEMPORARY POLY (TOP PREVENTION DETAILS)
C-5	KEY SHEET
C-6 THROUGH 14	FORCE MAIN PLAN AND PROFILE
C-15	CONSTRUCTION DETAILS
C-16 THROUGH 17	FORCE MAIN DETAILS

REV. #	DESCRIPTION	DATE	SHEETS
REVISION 1	CITY OF MIAMI GARDENS	2/25/17	C-1, C-2, C-3, C-4, C-17
REVISION 2	CITY OF MIAMI GARDENS	2/28/2017	C-1, C-2, C-17

CRAVEN - THOMPSON AND ASSOCIATES, INC.
ENGINEERS - PLANNERS - SURVEYORS
 2025 N.W. 120th STREET, 10TH FLOOR, MIAMI GARDENS, FLORIDA 33139
 FAX: (305) 730-2400 TEL: (305) 730-1942
QUALITY CONTROL PROVIDED BY JACOBS AND ENGINEER RESPONSIBLE FOR DESIGN
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NOTES:
 1. PRIOR TO BEGINNING ANY WORK, CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES THAT HAVE FACILITIES WITHIN THE CITY'S SERVICE AREA.

100% SUBMITTAL
 DATE: JANUARY 2, 2017
 CTA PROJECT NUMBER: 16-0012



Description of Work:

Craven Thompson prepared a topographic survey of a portion of the rights-of-way for NW 26th Avenue (Carl Barger Boulevard), NW 199th Street (Honey Hill Drive) and NW 24th Avenue. The survey began at Lift Station PS 22, Bell Gardens, lying along NW 24th Avenue and north of NW 191st Street, and continued north along NW 24th Avenue to NW 199th Street (Honey Hill Drive), then continued west along NW 199th Street (Honey Hill Drive), to NW 26th Avenue (Carl Barger Boulevard), then continued north along NW 26th Avenue (Carl Barger Boulevard), to sanitary manhole #15, which lies approximately three hundred seventy five (375) feet south of NW 203rd Street. The total length of the survey was approximately 4,300 linear feet. The survey served as an engineering base map for design.

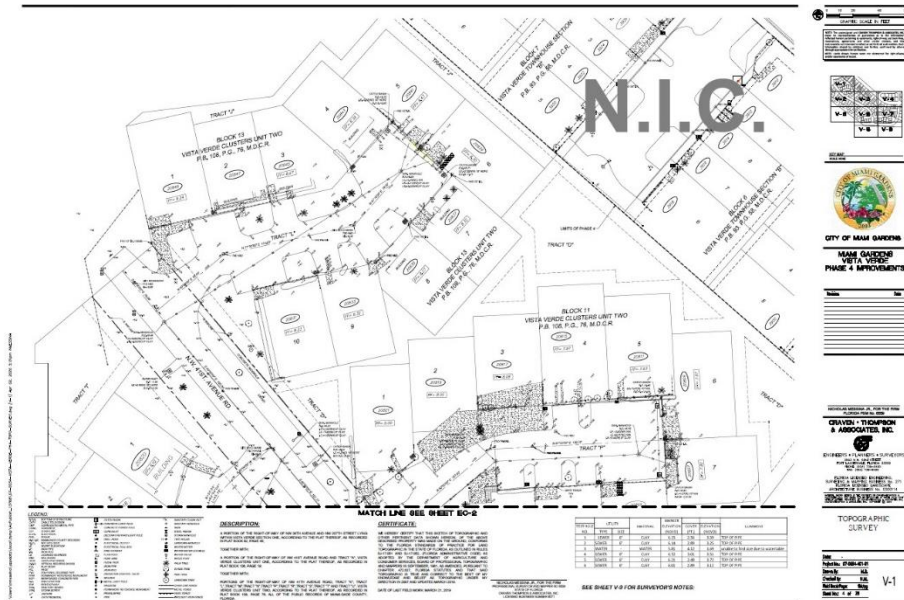
Client Contact:
 Mr. Karim L. Rossy
 Development Engineer 3
 NMB Water/Jacobs
 17050 NE 19th Avenue
 North Miami Beach, Florida 33162
 Phone: (305) 948-2980
 Email: karim.rossy@jacobs.com

Project Role:
 Prime Consultant

Contract Term:
 2016

Result of the Project:
 Survey was delivered on time
 and at budget

Livable Neighborhood Improvement Project - Vista Verde, Phase 4 Survey Miami Gardens, Florida



Description of Work:

Craven Thompson prepared a design survey for Vista Verde Phase 4 including providing location of all aboveground improvements within the right-of-way and add to previous survey, obtaining adjacent finished floor elevations preparing legal descriptions for required; locating property corners and streets right-of-way; and providing cross-sections of streets 25 feet beyond property line at 50-foot intervals. The survey was used to prepare an engineering base map for design.

Client Contact:

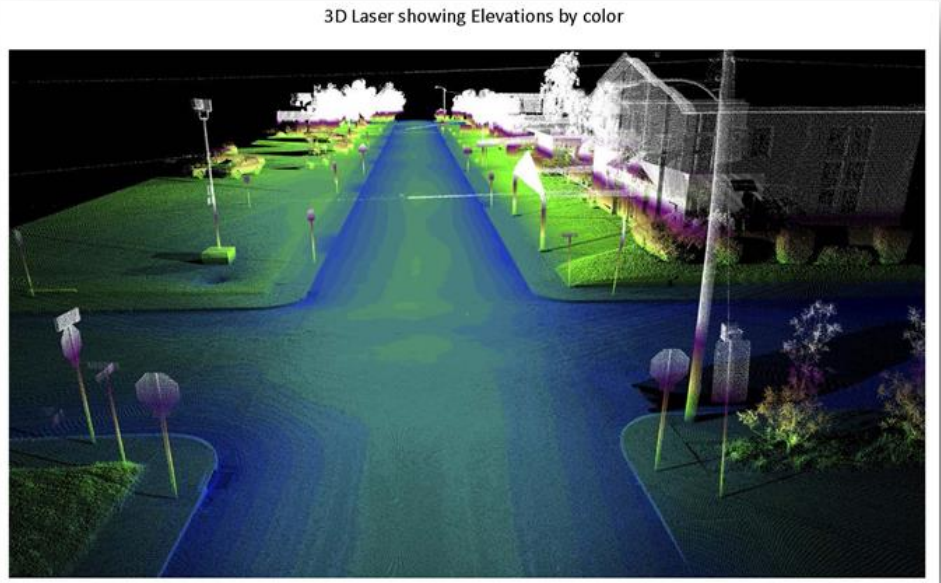
Mr. Tom Ruiz, CGC, CFM
Director of Public Works
City of Miami Gardens
1050 NW 163rd Drive
Miami Gardens, Florida 33169
Phone: (786) 279-1260
Email: truiz@miamigardens-fl.gov

Project Role:
Prime Consultant

Contract Term:
2017

Result of Project:
Survey was delivered on time
and at budget

Lake Worth 2020 Master Plan - Infrastructure Surveying Lake Worth Beach, Florida



Description of Work:

Craven Thompson was contracted with the City of Lake Worth to **survey**, design, permitting and provide construction services for Projects 1, 3, 5, 6 & 8 of Year 1 of the Lake Worth 2020 Master Plan. We prepared a boundary and topographic survey of the rights-of-way covering approximately 3.25 miles of roadway. The survey meets all of the current surveying requirements of the Board of Professional Surveyors and Mappers of the State of Florida, as defined in Chapter 5J-17.050 - .052, Florida Administrative Code. The survey includes the recovery of sufficient existing boundary and/or right-of-way monumentation to determine the right-of-way lines needed to tie in all visible improvements. Locations of all aboveground and visible improvements, included all pavement, slabs, fences, signs, overhead wires, trees, and utility features, within the limits of the existing platted rights-of-way.

Elevations were taken at approximately fifty (50) foot cross sections, along all roadways and extend approximately 20-25 feet outside the right-of-way where accessible, permitted by the adjacent property owners. Finish Floor elevations were measured on all residential and commercial buildings along each route where accessible and permitted by the adjacent property owners. Elevation datum to be decided by the City of Lake Worth and will be relative to North American Vertical Datum of 1988 (NAVD88).

Owner:

Mr. Felipe Lofaso
Assistant Public Services Director
City of Lake Worth Beach
1900 Second Avenue North
Lake Worth Beach, Florida 33461
Phone: (561) 586-1720
Email: flofaso@lakeworthbeachfl.gov

Project Role:

Prime Consultant

Project Duration:

2014

Craven Thompson's Fees

\$118,600.00

Section 10: Resumes of Key Personnel



RICHARD D. PRYCE, P.S.M.
PROJECT MANAGER

Mr. Pryce has over forty-eight years of experience surveying in South Florida. He has specialized in all aspects of the land surveying & mapping profession and has also specialized in developing GIS/Survey applications using ESRI ArcGIS software since 1990. Mr. Pryce has been fully trained on Leica 3D Laser Scanners and 3D Modeling. He has also been developing ways to analyze Lidar data for City-wide Storm water and Drainage studies.

Relevant Experience:

Pine Island Road Drainage As-builts for BCHCED | Broward County, Florida | Lead Surveyor - Craven Thompson prepared Record Drawing of Drainage Structures on Pine Island Road for Broward County Highway Construction & Engineering Division. We established horizontal control points within the project area. All survey control horizontal locations were tied into the State Plane, Florida East Zone, NAD 83/90 Coordinate system.

Stormwater Master Plan Survey & GIS: (LiDAR, Geodetic Network, Stormwater Data Collection) | Fort Lauderdale | GIS Coordinator - Mr. Pryce managed the 28,000-acre LiDAR mapping and stormwater data collection for the City of Fort Lauderdale. Used high-density LiDAR to create a ground surface model of the City and updated their stormwater structures and pipes in GIS from field measurements from 3 survey crews. LiDAR was used to map 125 miles of canals and seawalls, and prep for GIS modelers to use for taking sea-level rise into account.

Sanitary Sewer Mapping - GIS and Surveying | Fort Lauderdale | Principal Survey / GIS Manager - Responsible for establishing Primary and Secondary Vertical Control with over 3000 new benchmarks for Sanitary Sewer Mapping of the City, including As-built/Inventory 5,917 Sanitary Manholes, 190 pump Stations, 15 meters, and 80 miles of force mains and their associated valves.

Stormwater GIS/Data Collection, Project | North Miami Beach, Florida | Principal Survey /GIS Manager - The City is divided into six (6) zones and that structure/pipe data was collected within each zone and identified by zone and structure numbers. GIS data was collected and processed utilizing the City's existing Unit ID naming system in the geodatabase. The CTA data was collected by a Unique ID. Craven Thompson provided the City with a copy of the updated geodatabase with all the proposed data fields to be collected for review. The GIS data collected consisted of: Structure type (junction, inlet, control structure, drainage well); Pipes: Culvert and Outfalls: and Headwalls and Seawalls.

L-12 Canal ROW Annexation Easement Sketch & Legal Description | Greenacres, Florida | Craven Thompson & Associates, Inc. prepared a sketch and description for a portion of the LWDD L-12 canal right-of-way between Raulerson Drive and Military Trail as part of the effort to annex the property. This task included calculating the area of the property description.



CRAVEN-THOMPSON & ASSOCIATES INC.

Firm:

Craven Thompson & Associates, Inc.

3563 NW 53rd Street

Fort Lauderdale, Florida 33309

education

Broward Community College,
Associate of Science in
Criminal Justice (1978)

years of experience

Total: 48; With Firm: 14

licenses/certifications

Professional Surveyor
and Mapper: LS4038 (1983)

publications

Co-author POB Magazine -
"22,000 Acres and Counting"
November 1998

Co-author POB Magazine -
"The CAD Resolution"
September 1999

affiliations

Past Director - Broward County
Chapter of Florida Surveying &
Mapping Society

State & County Chapters, Florida
Surveying & Mapping Society

American Congress on
Surveying and Mapping

National Society of
Professional Surveyors

American Society of
Photogrammetry and
Remote Sensing

RICHARD D. PRYCE, P.S.M. (continued)

Hollywood As-built Tidal Structures - North & South Lakes | Hollywood, Florida | Principal Surveyor - Prepared a Topographic (As-built) survey of twenty-one (21) Storm water outfalls draining into North Lake and three (3) Storm water outfalls draining into South Lake in the City of Hollywood, Florida. The survey included outfall locations covering the project area based on plats, right-of-way maps, and information from Broward County and the City.

Lapointe Property - ALTA/ACSM Land Title Survey | Broward County, Florida | Survey Project Manager. Craven Thompson & Associates, Inc. was hired by Broward County Real Property Division for an updated ALTA/ACSM Land Title Survey, of that certain property known as the "LaPointe" Property, at the northeast corner of Griffin Road and I-95, with Broward County Tax ID Number 504228120010.

Hydrographic and Stormwater Infrastructure Survey | Greenacres, Florida | Survey Project Manager
Along with our sub-consultant, we created a survey from high resolution, low level LiDAR and ground surveying. The survey included roadways and canal cross-sections for proposed Drainage Improvements. Also included Right-of-way surveys, storm drains, canals and ditches along 1st Street in the Original Section area of the City of Greenacres and a portion of Lake Worth Canal E-3 (cross sectioned).

Palm Beach Villas Sidewalk Survey | Greenacres, Florida | Survey Project Manager
Craven Thompson provided professional surveying services, for the sidewalk project. The survey locations consisted of four sections of Empire Way (2200'), portions of Toga Way (210'), Nicia Way (120'), and Centurian Way (650'). The entire project totaling 3,180 lineal feet was surveyed for sidewalk design. This survey consisted of preparing a design survey of the roadways noted above. The limits of the survey were one-half right-of-way on the side of the proposed sidewalk, from the crown of road to the right-of-way line, plus 5-foot beyond where accessible. The width was expanded to depict the nature of the topography at the lake and canals, along Empire Way, again where accessible. We prepared calculations covering the project area based on the plats, property appraiser records and deeds, to determine the location of the right-of-way lines and property lines. Craven Thompson recovered right-of-way monumentation, property corners and other horizontal survey control in the project area, to determine the location of the streets noted above, and the affected properties. We set horizontal control points in convenient locations, along the roadways for survey data collection. We established vertical control (benchmarks) on the horizontal control points along the survey route, for topographic data collection and future grading. These benchmarks were relative to the North American Vertical Datum of 1988 (NAVD88).

Boundary Survey of FPL Parcel | Southwest Ranches, Florida | Lead Surveyor
Craven Thompson prepared a boundary survey for closing purposes of proposed right-of-way for Southwest 190th Avenue, being the east thirty (30) feet of the property owned by Florida Power and Light Company. The survey included setting the property boundaries with semi-permanent monumentation, and locations of aboveground visible improvements within its limits.

NW 21st Avenue Broward County Right of Way Survey | Broward County, Florida | Lead Surveyor
This 1.2-mile roadway project consisted of widening the existing three (3) lane road (north-south and bi-directional turn lane) to a five (5) lane roadway (2 north-south travel lanes and a bi-directional turn lane). The Project included a 72" Diameter regional storm drain system that will provide flood protection to approximately 500 acres of existing developments. The 72" storm drain was jacked under the CSX Railroad Tracks and a new outfall was constructed in the C-13 Canal. The work included approximately 5,000 linear feet of water main and force main installation, curb and gutter, landscaping, irrigation, lighting & signalization.

RICHARD D. PRYCE, P.S.M. (continued)**Greenacres Digital Topo Mapping | Greenacres, Florida | Survey Project Manager**

The project consisted of Aerial LiDAR mapping of the portion of the City of Greenacres lying north of Lake Worth Road for submittal to FEMA to be included in the latest Flood Mapping updates. The survey included a GPS network of control to meet horizontal and vertical accuracies to 0.10 feet on all hard surfaces within the project area. This consisted of setting 20 aerial targets to control an area of about 7,700 acres from Southern Boulevard, south to Lake Worth Road and from Military Trail west to Pinehurst Drive. Our survey crews then ran level loops and cross-sections over 304 ground truth checks on hard surfaces at 30 street intersections across the City with accuracy of 0.09 feet at one sigma and 0.18 feet accuracy at 95% two-sigma. The LiDAR was flown by our subcontractor, Pickett & Associates, and checked by Craven Thompson.

Boundary Survey and Sketch & Legal for Ingress/Egress Easement | Southwest Ranches, Florida

Prepared a boundary survey of a portion of Parcel 1, owned by GUS ASSETS, LLC, as defined by the legal description in Certificate of Title, recorded as Instrument Number 113107329, in the Public Records of Broward County, Florida. Prepared a separate sketch and legal description of an ingress and egress easement, running along the existing driveway and extending northerly, to the north boundary of Parcel 1.

Southwest Ranches Town Hall Survey | Southwest Ranches, Florida | Principal Surveyor

Craven Thompson prepared a boundary and topographic survey, a boundary plat, plat revisions, and certified corner records for the Southwest Ranches Town Hall Parcel. This included recovery and/or setting of the existing boundary and/or right-of-way monumentation, establishing two (2) site benchmarks on, or adjacent to the property, locating of all existing aboveground visible improvements within the survey limits, including buildings, pavement, walkways, slabs, fences, utilities, trees, and signs, locating of all aboveground and visible utilities features on, or immediately adjacent to the site.

NE 167th Street Topographic Survey | North Miami Beach, Florida | Principal Surveyor

Craven Thompson was selected by the City of Miramar to survey, design, permit, and provide construction services for Phase II of their Historical Area Complete Streets Project. The project includes surveying, landscape and engineering design, permitting and construction services for complete streets bounded by Pembroke Road to the north, County Line Road to the south, SW 62nd Avenue to the west, and State Road 7 to the east. The project includes six (6) streets in the Historical Area. The improvements include: sidewalks, ADA ramps, crosswalks, pedestrian level lighting, landscaping and hardscape. The City received a grant through the Broward Redevelopment Program for the improvements.

NE 188th Street Seawall Survey | Aventura Florida | Principal Surveyor - Craven Thompson prepared a

topographic survey of the concrete seawall north of the Aventura City of Excellence School, lying north of NE 188th Street, approximately 690 linear feet. This Topographic survey met all of the current surveying requirements of the Board of Professional Surveyors and Mappers of the State of Florida and included recovery of property monumentation along the seawalls, the location of all aboveground visible fixed improvements from the water's edge of the seawall, landward for approximately 25 feet, including trees with a trunk size of 3" diameter or greater. Elevations were measured sufficient for engineering design and cross sections were shown at 50-foot intervals.

Cypress Park Survey | Sunrise Florida | Principal Surveyor

Cypress Preserve Park was a 7.93-acre vacant site located on the east side of NW 90th Terrace between Oakland Park Boulevard and NW 38th Street. Craven Thompson prepared a boundary and topographic survey for the site. The survey was used as a base map for engineering and landscape architecture.

RICHARD D. PRYCE, P.S.M. (continued)

Apollo Park Survey | Pompano Beach, Florida | Principal Surveyor

Craven Thompson was retained by the City of Pompano Beach to prepare a boundary and topographic survey for the Park consisting of 4.37 acres, located at 240 NW 16th Avenue in Pompano Beach. The City upgraded the park by installing new surfacing, new playground equipment and shade canopies.

King Fisher Canal Hydrographic Survey | Deerfield Beach, Florida

Project Manager for Hydrographic Survey of existing canal to determine amount of silt at bottom for dredging and engineering purposes. Survey included GPS network control, Benchmark establishment, and Hydrographic survey using Hydrolyte Echo sounding equipment.

SW 190th Avenue Topographic Survey | Southwest Ranches, Florida | Project Manager

Craven Thompson prepared a topographic survey of SW 190th Avenue, from one hundred (100) feet south of SW 49th Street, to the north edge of pavement of Griffin Road, approximately 1,215 linear feet in length. The survey consisted of the existing twenty (20) foot wide of platted right-of-way, and a minimum of thirty (30) feet west and twenty-five (25) feet east of the existing right-of-way, for locations and topographic elevations. At the intersections of Griffin Road and SW 49th Street, the locations included up to one hundred (100) feet east and west of each intersection.

ADA Ramp Replacement/Installation Specific Purpose Survey | Miami Springs, Florida | Surveying Project Manager - Craven Thompson was retained by the City of Miami Springs to assist with the surveying, design and permitting of new and replacement ADA ramps throughout the City. The project is funded through the legislative appropriation process. The project includes surveying and field evaluation of intersections throughout the City.

Central Broward Water Control District (Surveys, Plan & Survey Review, Easements, Record Searches)

Mr. Pryce oversees the Surveying and Plan review for the District Engineer, reviewing compliance with FS Chapter 177 and F.A.C. Rule 5J-17, he also creates and reviews easements for the District.



NICHOLAS MESSINA, JR., P.S.M. SURVEYOR AND MAPPER/ GIS

Mr. Messina is an experienced surveyor with over 30 years surveying, including 20 years of private sector experience surveying in South Florida. He has been the Project Surveyor/Manager for variety of surveys such as ALTA/ACSM Land Title, As-Built, Boundary and Topographic, Control and Quantity Surveys.

Relevant Experience:

NE 34th Court Complete Streets Project | Oakland Park, Florida | Project Surveyor - The streetscape and engineering services include full survey, roadway reconstruction design, storm water management ICPR modeling and design, utility coordination and relocation, landscape and streetscape enhancement, and all associated jurisdictional permitting. This project required permit approvals from Broward County Environmental Protection Department (EPD), Broward County Health Department, and the City of Oakland Park Public Works and Engineering and Community Development Departments. This project utilizes FDOT LAP funding for construction. Craven Thompson assisted the City with the funding procurement.

Miramar Historical Area Complete Streets Project - Phase II | Miramar, Florida Project Surveyor - Craven Thompson was selected by the City of Miramar to survey, design, permit, and provide construction services for Phase II of their Historical Area Complete Streets Project. The project includes surveying, landscape and engineering design, permitting and construction services for complete streets bounded by Pembroke Road to the north, County Line Road to the south, SW 62nd Avenue to the west, and State Road 7 to the east. The project includes six (6) streets in the Historical Area. The improvements include: sidewalks, ADA ramps, crosswalks, pedestrian level lighting, landscaping and hardscape. The City received a grant through the Broward Redevelopment Program for the improvements.

NE 14th Avenue Streetscape Improvements | Hallandale Beach Florida Project Surveyor - The project area is along NE 14th Avenue, between Hallandale Beach Boulevard and Atlantic Shores Boulevard. The project corridor is approximately 3,400 linear feet. The project includes: Mill and overlay entire roadway (including pavement markings); on east side of NE 14th Avenue, mill and overlay off-street parking (including pavement markings) and provide new Type 'D' curbed landscape bulb-outs to delineate parallel parking and include canopy trees, shrubs, groundcover and spray and drip irrigation; bike lanes on both sides of roadway; curbing or other treatments at existing driveway entrances; canopy trees with ground cover intermingled and drip irrigation on the west side of NE 14th Avenue; landscape screening along north, south, and west sides.



CRAVEN-THOMPSON & ASSOCIATES INC.

Firm:

**Craven Thompson &
Associates, Inc.**

3563 NW 53rd Street
Fort Lauderdale, Florida 33309

education

University of Alaska,
Anchorage, Alaska, Associate
of Science in
Surveying and Mapping
(1999)

years of experience

Total: 30; With Firm: 21

licenses/certifications

Professional Surveyor
and Mapper: LS6559 (2006)

Trained NGS OPUS
Projects Manager,
Trimble Business Center

Nicholas M. Messina, P.S.M. (continued)

Roadway Maintenance Easement | Oakland Park | Surveyor

Mr. Messina prepared a sketch and legal description of the right-of-way of Prospect Road and Andrews Avenue, that is occupied by the improvements to the Plaza. The sketch and legal will be used as an attachment to the Revocable License Agreement prepared by Broward County. The Revocable License Agreement facilitated the planned improvements within the right-of-way.

GIS Utility Atlas | Port Everglades, Florida | GIS Specialist

Mr. Messina assisted in the preparation of a Port-wide GIS mapping of all drainage, sanitary sewer and water distribution facilities as well as other utilities. The purpose of the project was to provide the Port with a functional Utility GIS in ESRI ArcGIS format for all underground water, sanitary and storm sewer, electric, and telecommunication utilities.

Greenacres - Digital Topographic Mapping for FEMA Flood Map | Greenacres, Florida | Surveyor

The survey included a GPS network of control to meet horizontal and vertical accuracies to 0.10 feet on all hard surfaces within the project area. This consisted of setting 20 aerial targets to control an area of about 7,700 acres from Southern Boulevard, south to Lake Worth Road and from Military Trail west to Pinehurst Drive. Our survey crews then ran level loops and cross-sections over 304 ground truth checks on hard surfaces at 30 street intersections.

Hallandale Beach City-Wide Survey | Hallandale Beach, Florida | Project Surveyor

The survey included a GPS control network to meet horizontal and vertical accuracies to 0.10 feet on all hard surfaces within the City Limits. This included setting 188 aerial targets to control an area of about 26,000 acres from Pembroke Road, south to the Broward / Miami-Dade County line and from the Atlantic Ocean west to Interstate 95.

Broward County Regional Reuse Water Master Plan GIS of Existing, Planned & Potential Lines and Parcels | Broward County, Florida | GIS Specialist - Mr. Messina as the GIS Sub-consultant for Hazen and Sawyer for the Regional Reuse Water Master Plan for Broward County, performed the geospatial analysis, database management, and GIS mapping of all existing, planned, and proposed reuse waterlines in Broward County.

Topographic Survey Intersection of Las Olas Boulevard & SE 3rd Avenue | Fort Lauderdale, Florida

Project Surveyor - The intersection survey prepared by Mr. Messina includes all of the aboveground visible improvements within the survey limits. The topographic survey includes the recovery of enough boundary and right-of-way corners, to tie down the aboveground visible improvements (i.e., sidewalks, ADA ramps, curbs, structures, pavement, trees, slabs, and visible utility features).

Beachcomber Villas ALTA Survey and Flood Certificate | Pompano Beach, Florida | Surveyor

Mr. Messina prepared a boundary and topographic survey of the residential property, situated along the Atlantic Ocean on the above-referenced property. Located Coastal Construction Control Line, and FIRM Velocity Zones. Obtained building, site and mechanical equipment elevations, record pictures and prepared a single FEMA Elevation Certificates for the lobby, restaurant and hotel tower structures.

Hallandale Beach City-Wide Geodetic and Control Survey for Aerial LiDAR | Hallandale Beach, Florida |

Project Surveyor - The survey included a GPS control network to meet horizontal and vertical accuracies to 0.10 feet on all hard surfaces within the City Limits. This included setting 188 aerial targets to control an area of about 26,000 acres from Pembroke Road, south to the Broward / Miami-Dade County line & from the Atlantic Ocean west to I- 95.

Nicholas M. Messina, P.S.M. (continued)**Northridge Bus Shelter Survey and Sketch & Legal** | Oakland Park, Florida | Surveyor

This survey included the location of all visible fixed improvements between the north edge of pavement for Commercial Boulevard, north to the back of the existing parking lot. The area surveyed was from the east edge of the west entrance to Northridge Shopping Plaza. He also prepared a sketch and legal description, for the “Leased Premises” lands surveyed, based on the final limits, as approved by the City.

Lift Station E-2 Scanner As-Built Survey | Hollywood, Florida | Surveyor

Mr. Messina supervised the surveying of the existing above and below ground elements of the station using a Leica C-10 Laser Scanner.

Filmore Street As-Built Topographic Survey | Hollywood, Florida | Surveyor

Mr. Messina prepared a topographic (as-built) survey of Filmore Street, between N. 31st Avenue and N. 32nd Avenue in the City of Hollywood.

Central Broward Water Control District (Surveys, Plan & Survey Review, Easements, Record Searches)

Mr. Messina performs surveying for the District Engineer, in compliance with FS Chapter 177 and F.A.C. Rule 5J-17, he also creates and reviews easements for the District.

City of Hollywood Alley Reconstruction Survey (FY2014/2015) | Hollywood, Florida | Surveyor

Craven Thompson prepared topographic surveys for engineering design purposes for nineteen (19) individual sites, encompassing a total of 9,650 linear feet for alley reconstruction. The surveys consisted of cross-sections at fifty (50) foot intervals, along the route with elevations within the rights-of-way of the alleys, at each edge of pavement, and center of alley, including five (5) feet outside of the rights-of-way, where it is accessible and safe for the survey crew members to enter private property.

Greenacres Palm Beach Villas Sidewalk Survey | Greenacres, Florida | Project Surveyor

Mr. Messina provided professional surveying services for the sidewalk project. The survey locations consisted of four sections of Empire Way (2200'), portions of Toga Way (210'), Nicia Way (120'), and Centurian Way (650'). The entire project totaling 3,180 lineal feet is to be surveyed for sidewalk design. This survey consisted of preparing a design survey of the roadways noted above.

Stormwater GIS/Data Collection, Project | North Miami Beach, Florida | GIS Specialist

The City is divided into six (6) zones and that structure/pipe data was collected within each zone and identified by zone and structure numbers. GIS data was collected and processed utilizing the City's existing Unit ID naming system in the geodatabase. The CTA data was collected by a Unique ID. CTA provided the City with a copy of the updated geodatabase with all the proposed data fields to be collected for review. The GIS data collected consisted of: Structure type (junction, inlet, control structure, drainage well): Pipes: Culvert and Outfalls: and Headwalls and Seawalls.

Plantation Gardens Watermain Route Survey | Plantation, Florida | Surveyor

Mr. Messina was responsible for establishing the GPS Horizontal Control Network and Digital Level Vertical control network for mobile LIDAR scanning of the watermain rehabilitation project.



RAYMOND YOUNG, P.S.M.
SURVEYOR AND MAPPER

Mr. Young has thirty-nine years of experience surveying in South Florida. He has performed both field and office work on a variety of projects both large and small. He is experienced in all aspects of surveying including boundary, topographic, construction layout, ALTA mortgage, as-built, control and location surveys. He has prepared numerous plats and has been involved in the recordation of these plats.

Related Work Experience (Partial Listing):



CRAVEN THOMPSON & ASSOCIATES, INC.

Firm:

**Craven Thompson &
Associates, Inc.**
3563 NW 53rd Street
Fort Lauderdale, Florida 33309

years of experience

Total: 39; With Firm: 27

licenses/certifications

Professional Surveyor
and Mapper: LS5799

affiliations

Florida Society of
Professional Surveyors and
Mappers

Hydrographic and Storm Water Infrastructure Survey | Greenacres, Florida | Surveyor - Along with our sub-consultant, Craven Thompson created a survey from high resolution, low level LiDAR and ground surveying. The survey included roadways and canal cross-sections for proposed Drainage Improvements. Also, included Right-of-way surveys, storm drains, canals and ditches along 1st Street in the Original Section area of the City of Greenacres and a portion of Lake Worth Canal E-3 (cross sectioned).

Margate Canal Survey | Margate, Florida | Surveyor

Mr. Young prepared Boundary, Topographic and Hydrographic Survey of the CRA canal. The survey included the recovery of enough boundary and right-of-way monumentation, to tie down the canals and cross-section locations. The location of aboveground visible improvements including drainage structures, parking pavement along the east side of the canal, buildings immediately adjacent to the southern portion of the canal, edge of water, top of bank, fences and visible utilities were located.

Main Street Topographic & Boundary Survey and Wetlands Delineation | Coconut Creek, Florida | Surveyor - This project involved a Wetlands Delineation, Boundary and Topographic Surveys for the Main Street Development in Coconut Creek, Florida. Craven Thompson walked the wetland perimeter of the wetland with JJ Goldasich and Associates to stake the limits of the existing wetlands, and returned to survey and define those limits.

West Wastewater Treatment Plant Survey and Proposed Reclaimed Water Transmission Pipeline Route Survey | Margate, Florida | Surveyor

This project involved a Boundary and Topographic Survey of the City of Margate West Wastewater Treatment Plant together with a Route Survey for a proposed reclaimed water pipeline (8,000 linear feet). The boundary and topographic survey covered the west half of the Treatment Plant site locating all of the aboveground physical features and specific underground utilities together with a topographic survey on a 25-foot grid throughout the project area. The route survey covered a portion of Rock Island Road (8,000 linear feet) from NW 9th Street to NW 30th Street. The survey included locations of all improvements, above and below ground utilities, and cross-section elevations every 50 feet along the route.

Ray Young (continued)

Nova Southeastern University – Parking Garage Construction Layout | Davie, Florida | Surveyor
Craven Thompson calculated the position of, and field staked seventy-seven (77) pilings for the parking garage at NSU. We placed a 60d nail or 5/8" iron rod at the center of each piling.

East Las Olas Boulevard Force Main Survey | Fort Lauderdale, Florida | Project Surveyor
Prepared Topographic Survey of that portion of the above referenced project, sufficient for engineering design of the Force Main Improvements. This survey included the Rights of Way of Las Olas Boulevard from SE 17th Avenue to Lido Drive. The survey also included recovery of pertinent boundary corners, location of aboveground visible improvements, including pavement, slabs, fences, trees, utility features, walls, etc.

Boundary Survey and Sketch & Legal for Ingress/Egress Easement | Southwest Ranches, Florida | Surveyor - Prepared a boundary survey of a portion of Parcel 1, owned by GUS ASSETS, LLC, as defined by the legal description in Certificate of Title, recorded as Instrument Number 113107329, in the Public Records of Broward County, Florida. Said survey to include just the boundary lines of Parcel 1, together with the location of the existing north-south asphalt driveway, along the westerly line of said Parcel 1, and prepared a separate sketch and legal description of an ingress and egress easement, running along the existing driveway and extending northerly, to the north boundary of Parcel 1.

Prospect Road Plaza Survey | Oakland Park, Florida | Surveyor
Mr. Young prepared a boundary and topographic survey of the above property, based on a legal description provided by the City. The survey consists of the two (2) separate undesignated tracts of land approximately 1.5 acres each, being contiguous with and lying south of Block 17 and Block 18 of North Andrews Gardens.

Lake Worth 2020 Master Plan - R.O.W./Topographic Survey | Lake Worth, Florida | Surveyor
Mr. Young prepared a boundary and topographic survey of the rights-of-way covering approximately 3.25 miles of roadway. The survey meets all of the current surveying requirements of the Board of Professional Surveyors and Mappers of the State of Florida, as defined in Chapter 5J-17.050 - .052, Florida Administrative Code.

University School Ballfield Topographic Survey | Davie, Florida | Surveyor
The Baseball Field was designed for The University School which is a private High School affiliated with NSU and located within the campus. The field consists of a restroom facility, concession facility, concrete dugouts with storage capabilities, and bleachers.

L-12 Canal ROW Annexation Easement Sketch & Legal Description | Greenacres, Florida | Surveyor
Mr. Young prepared a sketch and description for a portion of the LWDD L-12 canal right-of-way between Raulerson Drive and Military Trail as part of the effort to annex the property. This task included calculating the area of the property description.

Greenacres - Digital Topographic Mapping for FEMA Flood Map | Greenacres, Florida
The survey included a GPS network of control to meet horizontal and vertical accuracies to 0.10 feet on all hard surfaces within the project area. This consisted of setting 20 aerial targets to control an area of about 7,700 acres from Southern Boulevard, south to Lake Worth Road and from Military Trail west to Pinehurst Drive. Our survey crews then ran level loops and cross-sections over 304 ground truth checks on hard surfaces at 30 street intersections across the City with accuracy of 0.09 feet at one sigma and 0.18 feet accuracy at 95% two sigma. The LiDAR data was delivered and accepted by FEMA.

Town of Davie 20' Wide Utility Easement | Davie, Florida | Surveyor - Prepared a sketch and legal description for a 20-foot wide utility easement, running along the northerly boundary of the Nova High School and Nova Blanche Forman Elementary School, extending from the east right-of-way line of College Avenue, easterly to the west right-of-way line of Davie Road, approximately 2,310 feet.



DAVID REYES
SENIOR SURVEY TECHNICIAN

Mr. Reyes has significant surveying and mapping experience in Florida. He has extensive private and public sector project experience including: design, construction engineering inspection (CEI), construction, global positioning systems (GPS), geographic information systems (GIS), right-of-way control. Having performed fieldwork and eventually moving to map preparation and quality assurance/quality control. In addition, he has extensive knowledge of digital terrain modeling and has prepared numerous digital terrain models used in roadway design and for quantity calculations.



CRAVEN-THOMPSON & ASSOCIATES INC.

Firm:

Craven Thompson & Associates, Inc.

3563 NW 53rd Street
Fort Lauderdale, Florida 33309

**Registrations /
Certifications**

Certified Survey Technician Level
III, Florida, 2003
FDOT Maintenance
of Traffic, Florida

Continuing Education

FDOT Intermediate Work Zone
Traffic Control Refresher (2005)

Years of Experience

Total: 30; With Firm: 6

FDOT Work Type Codes:

- 8.1 - Control Surveying
- 8.2 - Design, Right-of-Way
Construction Survey
- 8.4 - Right-of-Way Surveying

Affiliations

Member, CAICE Users Group
Member, Florida GPS
Users Group
Member, Florida Local
Users Group
MicroStation Community
Secretary, Florida Surveying &
Mapping Society,
Broward County Chapter 2004

Relevant Experience:

Hollywood Watermain Replacement Program Mobile LiDAR Survey | Hollywood, Florida - Field Coordinator and Senior CAD Technician, GPS Network data collection & adjustment, coordination of field crews, Mobile LiDAR computer extraction for 17-mile topographic survey and survey technician for final drawings.

Plantation Historical Area Watermain Mobile LiDAR Survey | Plantation, Florida | Field Coordinator for Field Operations and Senior CAD Technician, GPS Network data collection and adjustment, coordination of field crews, Mobile Lidar computer extraction for 6-mile topographic survey and Survey CAD Technician for final drawings.

Hallandale Beach BODR (MP) - LiDAR, Survey & DTM | Hallandale Beach, Florida - Field Coordinator for Field Operations and Senior CAD Technician, GPS Network data collection and adjustment, coordination of field crews, Mobile LiDAR computer extraction for citywide master plan.

Original Section Drainage Study (LiDAR, DTM, Survey & G.I.S.) | Greenacres, Florida - Field Coordinator for Field Operations and Senior CAD Technician, GPS Network data collection and adjustment, coordination of field crews, Mobile LiDAR computer extraction to create a Digital Terrain Model.

Pump Station A-13 & Sewer Redirection East of Federal Highway Route Survey | Fort Lauderdale, Florida | Field Coordinator for Field Operations and Senior CAD Technician, GPS Network data collection and adjustment, coordination of field crews, and CAD Technician for final drawings and computations for route survey.

Lake Worth Infrastructure 2020 Master Plan - Year 1 Survey | Lake Worth, Florida - Field Coordinator for Field Operations and Senior CAD Technician, GPS Network data collection and adjustment, coordination of field crews, Mobile LiDAR computer extraction for topographic survey for right-of-way.

David Reyes (continued)

Western C-11 Facilities Report Update and Basin Study - CBWCD | Davie, Cooper City, Southwest Ranches (**Survey & DTM Development**) - Field Coordinator for Field Operations and Senior CAD Technician, GPS Network data collection and adjustment, coordination of field crews, and CAD Technician for final drawings and computations for Hydrographic & topographic surveys. Mr. Reyes created the digital elevation model from the information.

Fort Lauderdale Stormwater Master Plan GIS & Survey | City of Fort Lauderdale, Florida

Performed surveying, and an As-built/Inventory 5,400 Stormwater Features for GIS City-Wide Stormwater Model. The survey limits of this project are described as the entire City limits of Fort Lauderdale. The City was flown with high density aerial LiDAR to a vertical accuracy of 0.15 feet across the entire City. From the Lidar we created a 2-foot grid Digital Elevation Model of the ground for modeling drainage flow. This required a GPS Control Network, and 309 ground control for the flight, performed over 5,000 verification shots on hard surfaces at major roadways across the city. The second part of this survey was to collect and evaluate 5,400 storm structures with Rims, Inverts, Pipe Size, material, and research As-built records of the City in the Stormwater system and provide the data to the City in ArcGIS Geodatabase conforming to their GIS Model Schema.

Fort Lauderdale Sanitary Sewer System GIS & Surveying | Fort Lauderdale, Florida

Craven Thompson established Primary and Secondary Vertical Control with over 3000 new benchmarks for Sanitary Sewer Mapping of the City, including As-built/Inventory of Manholes, pump Stations, meters, valves, air valves and 80 miles of force mains.



4341 S.W. 62nd Avenue, Davie, Florida 33314
T: (954) 585-0997 • F: (954) 585-3927 • www.stonersurveyors.com

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



ANDRES GARCIA, ULM

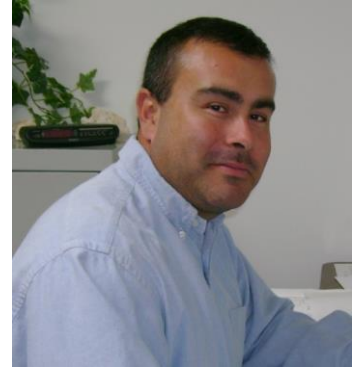
InfraMap Corp - West Palm Beach, Florida

EDUCATION

Palm Beach State College, Associates in Science

TRAINING

InfraMap Training Program for Utility Locating /Designating Certification/Instructor
 ATSSA, Traffic Control Supervisor Certification, August, 2000
 Confined Space Entry Training Program Certification (OSHA 1910.146)
 FUCS Utility Coordination Discussion Seminar Regular Attendee
 CSX Roadway Worker Protection Annual Certification



KEY QUALIFICATIONS - BIO

Mr. Garcia has performed utility locating assignments for InfraMap Corp in Florida, Virginia, Maryland, Georgia and Alabama since 1998. He currently is a Senior Utility Location Manager and is proficient with utility designating, performing test holes and utility CADD. Mr. Garcia's responsibilities include utility designation and test hole project management, attending utility scoping meetings, permitting, records research, traffic control supervision, field data collection and quality control. His duties also include vacuum excavation equipment maintenance as well as preserving FDOT Standards Compliance in each submittal.

Mr. Garcia has excelled as a survey party chief with experience in Total Station survey and data collector knowledge (electronic field book, TDS functions, and three wire bench runs and GPS/RTK on several designating and utility locating projects). His assistance in the survey EFB data collection compliance further adds to InfraMap's knowledge and experience.

PROJECT EXPERIENCE

Role for the following projects: Senior Utility Location Manager - obtains utility records and ROW permits, QA/QC, supervisory of field crews, meets with utility company locators and MOT set up.

Loxahatchee River and Environmental Control District, Palm Beach County, July 2014 – Feb 2015:

Inframap has performed Utility Locating and Mapping Services in the Loxahatchee River District. Projects include the investigating of infrastructure conflicts for the design and planned improvements at Environmental Control River Oaks and Little Oaks Sewer System. Crews coordinated with survey parties from Compass Point. Other project phases included the Set-N-Sun Neighborhood Sewer System which Inframap also performed careful utility conflict investigations and completed projects well within the required deadlines, submitted the client requested submittals and scheduled with District personnel as needed. Sub consultant to Baxter Woodman, Inc. Reference: Mathews Consulting, Inc, Mr. Dave Mathews, P.E. (561) 655-6175

Belle Glade Water Service Replacement Zones 1, 2 West, 2 East, and 3 & 4 Palm Beach County, FL 2015:

Inframap performed nearly one hundred and fifty test hole locations beginning in October of 2013 until mid-September 2015. All information retrieved is noted on each individual test hole reports of our submittal. Our crews maintained close coordination with Belle Glade Public Works Department, Director /City Engineer Marcos Montes de Oca for this Neighborhood Service Improvement Project. InfraMap was sub consultant to Keshavarz & Associates 711 N Dixie Highway #201, West Palm Beach, FL 33401 Reference: Mr. Amir Keshavarz (561) 689-8600

North County Neighborhood Improvement Projects (Multiple Phases) 2009 - 2015:

Broward County Urban Redevelopment water main improvement projects entailed multiple phases of over five hundred test hole locations in the City of Oakland Park, BP-10. Other project phases included Broward County WWS UAZ Stirling Road water main improvement Task work orders providing subsurface utility locating and mapping. Data noted on each individual test hole report of our submittal. Inframap has performed careful utility conflict investigations and completed projects well within anticipated deadlines as the sub consultant to Craven Thompson & Associates, Inc. Reference: Mr. Pat Gibney & Mr. Johnny Gil (954) 739-6400



Lee Reumann, PSM

Regional Survey Manager

EDUCATION

Bachelor of Science in Geomatics, University of Florida, 2013

LICENSE/TRAINING

Professional Surveyor & Mapper, License #: 7222

Years with InfraMap: 2 / Years with other firms: 6

Mr. Reumann has over six years of experience in land surveying, general civil engineering, and project management. Mr. Reumann has been the project manager for large route surveys for engineering design purposes, construction surveys for multiple multi-million dollar facilities, boundary surveys, topographic surveys, ALTA/ACSM surveys, specific-purpose surveys and various other survey projects. He is proficient with AutoCAD Civil3D and managing/processing data. His consistent efforts have enabled numerous land surveying and civil engineering projects to be completed on time and within budget.

PROJECT EXPERIENCE:

Flagler Memorial Bridge Project, West Palm Beach, FL: Serving as project manager, Mr. Reumann performed a highly accurate construction survey for a bridge crossing the intracoastal. Survey efforts included establishing horizontal and vertical control (using closed loop traverse, RTK GPS, and closed loop leveling methods), calculating construction layout design points and structures using AutoCAD Civil3D, and obtaining as-builts throughout construction. Mr. Reumann coordinated with various subcontractors throughout the duration of the project to meet critical scheduling deadlines.

Palm Beach County Water Utilities Department Water Main Replacement/Relocation Projects, Palm Beach County, FL: Serving as project manager, Mr. Reumann performed several large route surveys for engineering design purposes (several miles of water main replacement and/or relocation). Survey efforts included establishing horizontal and vertical control (using closed loop traverse, RTK GPS, and closed loop leveling methods), collecting field data as leader of field crew, processing data using AutoCAD Civil3D, creating digital terrain models using AutoCAD Civil3D, depicting right-of-way locations, obtaining as-builts during construction, and preparing record drawings.

Harbor Chase Assisted Living Facilities Project, Palm Beach Gardens & Wellington, FL: Serving as project manager, Mr. Reumann performed construction surveys for two large assisted facilities. Survey efforts included establishing horizontal and vertical control (using closed loop traverse, RTK GPS, and closed loop leveling methods), calculating construction layout design points and structures using AutoCAD Civil3D, obtaining as-builts throughout construction, and performing an updated ALTA/ACSM survey on one of the sites.

BallenIsles Country Club Clubhouse Renovation Project, Palm Beach Gardens, FL: Serving as project manager, Mr. Reumann performed an updated boundary survey and construction survey for a country club clubhouse renovation. Survey efforts included managing field crews from an office role, calculating construction layout design points and structures using AutoCAD Civil3D, processing data and performing detailed quality assurance and quality control of the field work, and preparing record drawings.

Kings Point Roadway Replacement Project, Delray Beach, FL: Serving as project manager, Mr. Reumann performed a detailed topographic survey, with an emphasis on identifying potential drainage issues, for engineering design purposes. Survey efforts included establishing horizontal and vertical control (using closed loop traverse, RTK GPS, and closed loop leveling methods), collecting field data as leader of field crew, processing data using AutoCAD Civil3D and performing detailed quality assurance and quality control of the field work, creating digital terrain models using AutoCAD Civil3D, and identifying areas of concern in regards to drainage.

Section 11: Office Locations

OFFICE LOCATION

- Location of office from which services will be rendered:

Main Office

3563 NW 53rd Street
 Fort Lauderdale, Florida 33309
 Phone: (954) 739-6400

Professional and Administrative Staff at this location:

- 57 Professionals, which includes:
 - 13 - Registered Civil Engineers
 - 12 - Junior Engineers
 - 3 - Registered Professional Surveyors and Mappers
 - 3 - Survey Technicians
 - 9 - Survey Field Crew Employees
 - 4 - Registered Landscape Architects
 - 1 - Landscape Designer
 - 1 - Planner
 - 9 - Construction Inspectors
 - 2 - AutoCAD Technicians
- 10 Administrative personnel

BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT
 115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-831-4000
 VALID OCTOBER 1, 2019 THROUGH SEPTEMBER 30, 2020

DBA: CRAVEN THOMPSON & ASSOCIATES Receipt #: 315-657
 Business Name: Business Type: ENGINEER (CORP-ENGINEERING)

Owner Name: THOMAS M MCDONALD Business Opened: 09/25/2006
 Business Location: 3563 NW 53 ST State/County/Cert/Reg: 0507-001228
 FT LAUDERDALE Exemption Code:
 Business Phone: 954-739-6400

Rooms	Seats	Employees	Machines	Professionals
		5		

Number of Machines:		For Vending Business Only				
		Vending Type:				
Tax Amount	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost	Total Paid
30.00	0.00	0.00	0.00	0.00	0.00	30.00

THIS RECEIPT MUST BE POSTED CONSPICUOUSLY IN YOUR PLACE OF BUSINESS



THIS BECOMES A TAX RECEIPT This tax is levied for the privilege of doing business within Broward County and is non-regulatory in nature. You must meet all County and/or Municipality planning and zoning requirements. This Business Tax Receipt must be transferred when the business is sold, business name has changed or you have moved the business location. This receipt does not indicate that the business is legal or that it is in compliance with State or local laws and regulations.

WHEN VALIDATED

Mailing Address:
 THOMAS M MCDONALD
 3563 NW 53 ST
 PORT LAUDERDALE, FL 33309

Receipt #1CP-18-00009388
 Paid 07/12/2019 30.00
 07/11/2019 Effective Date

2019 - 2020

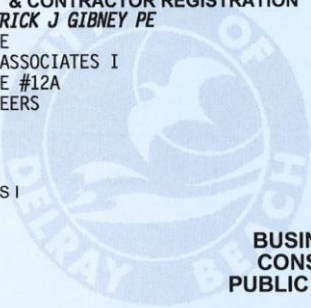
	CITY OF FORT LAUDERDALE BUSINESS TAX DIVISION BUSINESS TAX YEAR 2018-2019	
100 N. Andrews Avenue, 1 st Floor, Fort Lauderdale, Florida 33301 (954) 828-5195		
Business ID: 1301193	Business Name: GIBNEY, PATRICK	
Business Address: 3563 NW 53 ST		
Tax Category: ENGINEER	Tax#: 740068	Fee:
GIBNEY, PATRICK CRAVEN THOMPSON & ASSOCIATES 3563 NW 53 ST FORT LAUDERDALE, FL 33309		

Satellite Office:

4723 West Atlantic Avenue, Suite 12A
Delray Beach, Florida 33445
Phone: (561) 501-5718

Professional and Administrative Staff at this location:

- 4 Professionals (2 - Registered Civil Engineers / 2 - Junior Engineers)
- 0 - Administrative

CITY OF DELRAY BEACH		122210
BUSINESS TAX RECEIPT & CONTRACTOR REGISTRATION		
RESTRICTION: CIVIL ENGINEERING/PATRICK J GIBNEY PE		RECEIPT NO 20 00061458
OWNER/QUALIFIER: GIBNEY PATRICK J PE		CONTROL NO 147079
BUSINESS NAME: CRAVEN THOMPSON & ASSOCIATES I		DATE ISSUED: 7/17/19
LOCATION: 4723 W ATLANTIC AVE #12A		BUSINESS TAX FEE: 190.30
CLASSIFICATION: PROFESSIONAL-ENGINEERS		DELINQUENT FEE: .00
		TRANSFER FEE: .00
		TOTAL AMOUNT PAID: 190.30
 CRAVEN THOMPSON & ASSOCIATES I 4723 W ATLANTIC AVE #12A DELRAY BEACH FL 33445		BUSINESS TAX RECEIPT ISSUED FOR THE PERIOD OCTOBER 1 2019 TO SEPTEMBER 30 2020
		BUSINESS TAX RECEIPT MUST BE CONSPICUOUSLY DISPLAYED TO PUBLIC VIEW AT BUSINESS LOCATION
<small>Notice: This business tax receipt becomes NULL and VOID if ownership, business name, or address is changed. Applicant must apply for Transfer.</small>		

▪ **Office Locations of Subconsultants:**

STONER & ASSOCIATES, INC.

4341 SW 62nd Avenue
 Davie, Florida 33314
 Phone: (954) 585-0997

Professional and Administrative Staff at this location:

- Five Professionals (Professional Surveyors and Mappers)
- 1 Administrative

BROWARD COUNTY LOCAL BUSINESS TAX RECEIPT						
115 S. Andrews Ave., Rm. A-100, Ft. Lauderdale, FL 33301-1895 – 954-831-4000						
VALID OCTOBER 1, 2019 THROUGH SEPTEMBER 30, 2020						
DBA: Business Name: STONER & ASSOCIATES INC			Receipt #: 319-2098 Business Type: ALL OTHERS (LAND SURVEYING)			
Owner Name: JAMES D STONER			Business Opened: 09/01/1988			
Business Location: 4341 SW 62 AVE DAVIE			State/County/Cert/Reg: LS0004039			
Business Phone: 954-585-0997			Exemption Code:			
Rooms	Seats	Employees	Machines	Professionals		
		1				
For Vending Business Only						
Number of Machines:			Vending Type:			
Tax Amount	Transfer Fee	NSF Fee	Penalty	Prior Years	Collection Cost	Total Paid
30.00	0.00	0.00	0.00	0.00	0.00	30.00
THIS RECEIPT MUST BE POSTED CONSPICUOUSLY IN YOUR PLACE OF BUSINESS						
THIS BECOMES A TAX RECEIPT			This tax is levied for the privilege of doing business within Broward County and is non-regulatory in nature. You must meet all County and/or Municipality planning and zoning requirements. This Business Tax Receipt must be transferred when the business is sold, business name has changed or you have moved the business location. This receipt does not indicate that the business is legal or that it is in compliance with State or local laws and regulations.			
WHEN VALIDATED						
Mailing Address: JAMES D STONER 4341 SW 62 AVENUE DAVIE, FL 33314-3426			Receipt # WWW-18-00177015 Paid 07/03/2019 30.00			
2019 - 2020						

INFRAMAP CORP.

1860 Old Okeechobee Road, Suite 201
 West Palm Beach, Florida 33409
 Phone: (561) 586-0790

Professional and Administrative Staff at this location:

- 2 - Professionals (1 Registered Surveyor, 1 Utility Location Manager)
- 1 - Administrative

WEST PALM BEACH		CITY OF WEST PALM BEACH		NOT TRANSFERABLE	
0000018619		2019 to 2020 BUSINESS RECEIPT		CITY OF WEST PALM BEACH P.O. BOX 3147, WEST PALM BEACH, FL 33402	
INFRAMAP CORP 1860 OKEECHOBEE RD # 201		ADMIN OFFICE/SURVEYING & MAPPING BUSINESS #PSM7077			
BUS. TAX ID.	CATEGORY	DESCRIPTION	FEE	EXPIRES SEPTEMBER 30, 2020	
42281	541370	SURVEYING & MAPPING SERVICES OFFICE	86.81		
<div style="border: 1px solid black; padding: 2px; display: inline-block;">THIS DOCUMENT NOT VALID UNTIL FUNDS ARE COLLECTED</div>			TOTAL →	86.81	
			** PAID	86.81	** BAL ** 0.00

Section 12: Local Businesses

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: E-21-20, Continuing Contract for Professional Surveying & Mapping Services

Prime Contractor's Name: Craven, Thompson & Associates, Inc.

<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>
None			

LOCAL BUSINESS EXHIBIT "A"

LOCAL BUSINESS EXHIBIT "C"
LOCAL BUSINESS UNAVAILABILITY FORM

Solicitation # E-21-20

I, Richard D. Pryce, P.S.M., Vice President, Surveying & GIS
(Name and Title)

of Craven Thompson & Associates, Inc., certify that on the 13th day of


July, 2020, 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.)
Shah Drotos & Associates	Land Surveying Services	Marketing Materials

Said Local Businesses:

- Did not bid in response to the invitation
- Submitted a bid which was not the low responsible bid
- Other: The business is no longer located in Pompano Beach

Name and Title: 
Richard D. Pryce, P.S.M., V.P., Surveying & GIS
Date: August 3, 2020

Note: Attach additional documents as available.

LOCAL BUSINESS EXHIBIT "C"

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

Solicitation # E-21-20

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

Surveying Services

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

We reached out to Shah Drotos & Assoc. and requested the
company to team with us. However, we were advised that
they were no longer located within the City of Pompano Beach.

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 ?

We reviewed the List of Pompano Beach Businesses to find
local businesses that we could utilize their services for this RLOI.

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

<u>None</u> _____	\$ _____
_____	\$ _____
_____	\$ _____

8. Other comments: _____

LOCAL BUSINESS EXHIBIT "D"

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.

August 3, 2020
(Date)

Craven, Thompson & Associates, Inc.
(Name of Firm)

BY: 
(Name)

Richard D. Pryce, P.S.M.
Vice President, Surveying & GIS

Section 13: Litigation

LITIGATION WITHIN THE LAST 5 YEARS

Project Name: The Edge Condominium, West Palm Beach, Florida

Case No.: Palm Beach County Case No. 502013CA007785XXXXMBAJ

Date: Case filed June 4, 2013 / Dismissed February 2015

Case No.: Palm Beach County Case No. 502016CA006688XXXXMB

Date: Case re-opened March 2017 – Case Settled September 2017

Monetary Amount Involved: \$15,000.00

Position: Defendant

Name of Case: The Edge No. One Condominium Association, Inc. vs. The Edge Investors, L.P.; Coastal Construction of South Florida, Inc.; Trans Coastal Construction Company; Steven Feller, P.E., P.L.; Cohen, Freedman, Encinosa & Associates-Architects, P.A.; CHM Consulting Engineers, Inc.; Craven Thompson & Associates, Inc.

Explanation: Plaintiff alleged that water backed up into the garage through the drain and caused property damage to vehicles. The contractor, architect and the entire design team were defendants.

Project Name: North County Neighborhood Improvement Project, NE Quadrant

Broward County, Florida

Case No.: Broward County Case No. 14-002381 (21)

Date: Case filed June 9, 2015 / Settled December 9, 2016

Monetary Amount Involved: \$30,000

Position: Defendant

Name of Case: Randy Ezekowitz vs. Giannetti Contracting Corporation, E&N Construction, Inc., Asphalt Milling Services, Inc., Bon's Barricades, Inc., Florida Department of Transportation, Craven Thompson & Associates, Inc. and Transfield Services Infrastructure, Inc.

Explanation: Plaintiff claimed that Craven Thompson failed to warn motorists of the difference in elevation of pavement. Plaintiff did not specify a specific claim related to Civil Engineering.

Section 14: City Forms

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) Richard D. Pryce, P.S.M. Title Vice President, Surveying & GIS

Company (Legal Registered) Craven, Thompson & Associates, Inc.

Federal Tax Identification Number 59-0948029

Address 3563 NW 53rd Street

City/State/Zip Fort Lauderdale, Florida 33309

Telephone No. (954) 739-6400 Fax No. (954) 739-6409

Email Address rpryce@craventhompson.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: Craven, Thompson & Associates, Inc.

Vendor FEIN: 59-0948029

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



BIDDERS ARE TO COMPLETE FORM AND UPLOAD COMPLETED FORM TO THE EBID SYSTEM

EXHIBIT E

MINORITY BUSINESS ENTERPRISE PARTICIPATION

RLI # E-21-20

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

MINORITY BUSINESS ENTERPRISE CERTIFICATIONS

STONER & ASSOCIATES, INC.





**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

**CRAVEN THOMPSON & ASSOCIATES, INC.
HOURLY FEE SCHEDULE**

CITY OF POMPANO BEACH

RLI E-21-20: CONTINUING CONTRACT FOR PROFESSIONAL SURVEYING AND MAPPING SERVICES

Civil Engineering Services

Principal Engineer	\$210/Hour
Senior Supervising Engineer	\$190/Hour
Senior Engineer.....	\$140/Hour
Project Engineer	\$120/Hour
Engineering Senior CADD Technician	\$95/Hour

Land Surveying & Mapping Services

Principal Surveyor.....	\$170/Hour
Professional Land Surveyor	\$130/Hour
Project Surveyor	\$120/Hour
Survey CADD / GIS Tech.....	\$90/Hour
Survey Field Crew (1-Man Crew)	\$95/Hour
Survey Field Crew (2-Man Crew)	\$135/Hour
Survey Field Crew (3-Man Crew)	\$165/Hour
Survey Crew with Laser Scan (3-Man Crew).....	\$260/Hour

Landscape Architecture and Planning Services

Principal Landscape Architect / Principal Planner.....	\$170/Hour
Senior Supervising Landscape Architect.....	\$155/Hour
Senior Landscape Architect	\$135/Hour
Landscape Architect	\$125/Hour
Project Landscape Designer	\$115/Hour
Project Planner	\$115/Hour

Construction Administration Services

Director of Construction Management	\$150/Hour
Construction Manager.....	\$140/Hour
Senior Field Representative.....	\$100/Hour
Field Representative.....	\$90/Hour

Miscellaneous

Clerical	\$75/Hour
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Direct Charges

Unless otherwise specified, the above service fees do not include the following direct charges:

1. Blue prints, mylars and xeroxing will be billed at current price schedule per print copy. These prices are available upon request.
2. Postage, Federal Express, photographic services for enlargements, reductions, etc.: At Cost plus 10% handling charge.

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
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PROFESSIONAL LIABILITY

Per Occurrence Aggregate

XX	* Policy to be written on a claims made basis		\$2,000,000	\$2,000,000
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(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.

