

TASK ORDER No. 2

Dated this _____ day of _____, 2015

CITY PROJECT No. P11879

CALVIN, GIORDANO AND ASSOCIATES

FORT LAUDERDALE PUBLIC WORKS DEPARTMENT Sanitary

Sewer Pump Station B-10 Rehabilitation

PROFESSIONAL SERVICES

This Task Order is pursuant to the Continuing Services Contract Agreement (No. 626-10881-3) Civil between the City of Fort Lauderdale, a Florida municipality, ("CITY") and Calvin, Giordano & Associates, Inc., ("CONSULTANT"), a Florida corporation, for Civil Engineering Consultant Services in accordance with the terms of the agreement for professional services dated November 6, 2012 between CITY and CONSULTANT ("MASTER AGREEMENT") and extended by City Commission on October 21st, 2014.

PROJECT BACKGROUND

Sanitary Sewer Pump Station B-10 located at is 2152 Imperial Point Drive, Fort Lauderdale, FL 33308 and services the Imperial Point neighborhood. The services area is generally located west of Federal Highway, east of Dixie Highway, south of McNab Road and north of NE 56th Street. Pump Station B-10 was originally constructed in the 1961 and is in need of a complete rehabilitation. The following concerns have been provided by the City of Fort Lauderdale Staff:

- a. Convert the existing pump station into a true triplex design with three (3) equally sized pumps.
- b. Replace the existing pump suction and wall pipe.
- c. Replace the pump discharge piping and re-route to discharge through the first floor wall.
- d. Replace the existing sump pump and discharge piping, fittings and valves.
- e. The existing access hatches and doors leak rain water and are difficult to open and must be replaced; including main entrance access.
- f. Replace the existing lighting fixtures to provide adequate LED lighting inside the dry well. The existing conduits and circuitry shall be reused if reasonable and possible.
- g. The existing HVAC system is currently not functioning as originally designed and is in need of a complete redesign and replacement. The new HVAC must meet applicable code requirements for this type of use.
- h. The coating system on the inside of the existing structure and equipment has deteriorated and there is a potential that lead additives were used that must be abated. A new coating system is needed that complies with the specific needs for this type of environment.
- i. Aesthetic improvements to the above ground appearance is needed. This may include architectural improvements to the above ground concrete structure, screening for the control panels and landscape replacement in the median adjacent to the structure.

- j. Impacts of construction to the residents needs to be considered. Construction staging and impacts to local traffic needs to be considered in the construction documents.
- k. Temporary bypass pumping during construction must be determined in the construction documents and approved by the CITY's Staff.

PROJECT DESCRIPTION

This project includes the rehabilitation of sanitary sewer Pump Station B-10. The attached "Exhibit 2" provides the project location. The proposed project area shall be isolated to the Pump Station B-10 location which is within the Imperial Point Neighborhood.

This task order (TO) will include an analysis of the existing sanitary sewer average and peak flow rate into the facility and also the existing force main connection pressure. In addition, the concerns from the City of Fort Lauderdale Staff stated above will be addressed.

SPECIFIC SCOPE OF SERVICES AND DELIVERABLES

With the approval of this Task Order, CONSULTANT shall provide professional services described in the tasks below:

Task 1 – Surveying:

- CONSULTANT shall perform a topographic survey of the existing pump station area of Imperial Point Drive and N.E. 21st Lane. The topographic survey will include those portions of imperial Point Drive and N.E. 21st Lane that are within the project limits. CONSULTANT will locate all above ground improvements within the right-of-way corridors with horizontal locations and vertical elevations being provided for such items as sidewalks, edge of pavement, swales, parking areas, parking striping and visible above ground utilities. Visible above ground utilities refer to the visible structures (e.g., manholes, valve boxes, inlets, etc.) typically associated with storm drainage, sanitary sewer, potable water, electric, gas, telephone and cable television. Cross section elevations will be obtained at 25 ft. intervals together with high and low elevations and any other significant grade changes.
- CONSULTANT will perform an existing survey of all drainage and sewer structures within the project limits. Survey information will include the size and material of pipe with rim, invert and bottom of box elevations within the structures. The information obtained on the existing Pump Station B-10 will include the wet well rim and invert elevations together with the elevations of the existing above ground structure. Survey data will be referenced vertically to North American Vertical Datum 1988 (NAVD88) and horizontally to Florida State Plane Coordinates, North American Datum 83/90 (NAD 83/90). The survey will be prepared in accordance with the standards as set forth by Chapter 5J-17 of the Florida Administrative Code, pursuant to Florida Statutes Chapter 472.027.

Deliverables: Signed/Sealed Survey, Digital File (DWG and PDF)

Not to Exceed: \$4,160.00

Task 2 – Preliminary Design:

- CONSULTANT shall prepare an evaluation of the existing operating conditions for Pump Station B-10. The study shall include the installation and recordation of the existing force main pressure

and observation of the historic pump run times. The evaluation will also include a theoretical determination of the existing sanitary sewer flow rate received by Pump Station B-10.

- Provide by-pas pumping connection for station.
- CONSULTANT shall prepare a preliminary design for the rehabilitation design for Pump Station B-10. The preliminary design shall include replacement of the existing pumps, piping, fittings access hatches and doors, electrical components, ventilation, and control panels.
- CONSULTANT shall prepare the design for a new HVAC system.
- CONSULTANT shall prepare a new design for the electrical and utilize previous designed instrumentation system.
- CONSULTANT shall contract with an environmental engineering subconsultant for asbestos and lead paint testing of the existing coating system of the Pump Station B-10 interior. A report will be provided following the completion of the testing that will provide general recommendations for the abatement of the asbestos and lead paint should it be present.
- CONSULTANT shall provide the CITY with the preliminary design plans and calculations for review prior to commencement of the next task. It is anticipated that a meeting will be held with the CITY within 14 working days of receiving the plans and calculations for review of comments.
- The following meetings are included in this task:
 - One (1) project kick-off meeting with the CITY (to be held upon receipt of the executed proposal).
 - One (1) meeting with the CITY to review the preliminary design plans and calculations.

Deliverables: 70% Plans and Specifications

Not to Exceed: \$30,296.00

Task 3 – Permitting:

- CONSULTANT shall prepare applications and design data as required and apply for approvals from the governmental agencies having jurisdiction over the project. CGA shall obtain such approvals by participating in meetings, submissions, re-submissions, and negotiations with such authorities. All permit application fees will be provided by the CITY upon written request from the CONSULTANT.

Deliverables: Approved Permits (from all applicable agencies)

Not to Exceed: \$9,295.00

Task 4 – Architectural Design:

- CONSULTANT shall contract with an architectural subconsultant for the above-ground building design and aesthetics.

- Details of façade and other above-ground structures (i.e. screening for control panels) shall be discussed and finalized with the CITY prior to submission of final construction plans.
- CONSULTANT shall provide the CITY with Architectural plans for review prior to commencement of the next task. It is anticipated that a meeting will be held with the CITY within 14 days of receiving the plans for review of comments.
- The following meetings are included in this task:
 - Two (2) meetings with the CITY and ARCHITECT.

Deliverables: (Deliverables to be submitted during Task 5)

Not to Exceed: \$7,330.00

Task 5 – Final Design:

- CONSULTANT shall incorporate into the design all revisions required by the governmental agencies in order to receive the permit approval.
- CONSULTANT shall prepare Tree Disposition Plans and determine which plant material will be preserved, relocated, or remain. This scope shall also include proposed planting plans, details and specifications as well as a retrofit the existing irrigation system. A planting table shall be provided which identifies the CITY requirements for the proposed planting concept.
- CONSULTANT shall prepare the specifications book that will include the front end contract documents that have been provided by the CITY, and the technical specifications. Digital files shall also be provided (in PDF and in latest WORD format). AutoCAD files shall comply with CITY standards.
- CONSULTANT shall prepare an Engineer’s Opinion of Probable Cost for the final design. The cost estimate shall be definitive.
- CONSULTANT shall provide the CITY with the final design plans and specifications for review prior to commencement of the next task. It is anticipated that a meeting will be held with the CITY within 14 days of receiving the plans and specifications for review of comments.
- The following meetings are included in this task:
 - Two (2) meetings with the CITY to review the final design plans and specifications.
 - One (1) meeting open to the public with regards to the project.

Deliverables: 100% Plans and Specifications, Digital Files (PDF, WORD, and DWG), Architectural Plans, Color Renderings

Not to Exceed: \$32,870.00

Task 6 – Bidding Services:

- CONSULTANT shall respond to Request for Information (RFI) from prospective bidders.

- CONSULTANT shall provide supplement information to prospective bidders as necessary, and issue addenda during the bid process.
- CONSULTANT shall review all bids to determine the most responsible and responsive bidder and provide the CITY with a recommendation for award of the construction contract.
- The following meetings are included in this task:
 - One (1) meeting with the CITY to pre-bid meeting.

Deliverables: **RFI responses, Addenda, and Recommendation for Award.**

Not to Exceed: **\$8,370.00**

Task 7 – Consulting Services During Construction:

- CONSULTANT shall provide assistance to the awarded CONTRACTOR with any design related questions and prepare Contract Documents for use by the CONTRACTOR and CITY during building permitting and construction.
- CONSULTANT shall attend bi-weekly construction progress meetings (up to 12 meetings) with regards to project construction.
- Coordinate review and approval of shop drawings and other data which the Contractor is required to submit for conformance with the design criteria.
- Respond to Contractor’s Request for Information (RFI) regarding design documents.
- Attend on-site meetings during construction. A total of five (5) meetings are included in this task. These meetings shall be requested and authorized by the CITY.

Deliverables: **Approved Shop Drawings, RFI Responses**

Not to Exceed: **\$37,835.00**

Task 8 – Construction Inspection Services

- CONSULTANT shall provide part-time inspections for compliance with plans and specifications (estimated 8 hours per week) for the construction duration of 9 months. This includes being present on-site for all substantial and final completion inspections. Inspections to be performed only when requested and authorized by the CITY.
- Provide reports, if necessary, when the CONSULTANT believes that the work is unsatisfactory or does not conform to the Contract requirements.
- Serve as the CITY’s liaison to the CITY Construction Manager in assisting and interpreting the Contract plans and specifications.
- Evaluate and provide recommendation for any CONTRACTOR request to deviate from the plan or substitute material.

- Observe and report on all testing required for final certification of the project. Results to be submitted to the CITY's Construction Manager.

Deliverables: **Field Inspection Reports, Testing Results Reports**

Not to Exceed: **\$22,640.00**

Task 9 – Project Close Out

- CONSULTANT will be present for the pump station startup to verify that it will be capable of performing per the required design and prepare a recommendation or project acceptance for the CITY.
- CONSULTANT shall be Engineer-of-Record for this project.
- CONSULTANT shall coordinate and process closeout services to all relevant permitting agencies once satisfactory as-builts have been provided by the CONTRACTOR. This does not include preparation of survey information for as-builts. CONSULTANT shall participate in final punch list and final walk-thru.

Deliverables: **Certified As-Builts (based on provided as-built survey), Permit Close-Out Confirmations**

Not to Exceed: **\$18,810.00**

The deliverables need to include DWG, PDF, WORD, EXCEL, or other relevant files in the original format as required by Contract Agreement Article 11. The drawings need to comply with CITY CAD Standards.

PROJECT ASSUMPTIONS

Specific assumptions for the project:

- CONSULTANT shall review all City, County, and State records, data and/or other documentation available to review land ownership, easements, or other restrictions that may affect the project and the surveying deliverables of this task order.
- CONSULTANT shall use survey equipment and data collection systems capable of delivering complete surveys and task order deliverables as stated in the scope of work section of this task order.
- CONSULTANT shall prepare a design that complies with all applicable regulatory requirements.
- If any potholing or soil borings are required, they shall be the responsibility of the CONSULTANT.

CITY'S RESPONSIBILITIES

- CITY shall provide existing survey data, project records, drawings, reports, studies, etc. in digital format.
- CITY shall provide the capacity of the existing pumps
- CITY shall provide the AutoCAD files for the current design.
- CITY shall provide all pump station calculations and supporting data in digital format or hard copies. The calculations should include, but not be limited to, existing force main pressure, sanitary sewer flow rate received by the existing Pump Station B-10, and run times for the existing pumps.
- CITY shall provide the front end contract documents for the specifications booklet.
- CITY shall provide their standard specifications for sewer pump stations.
- CITY shall provide the water, sewer and drainage as-builts and atlas information for this portion of the CITY's service area.
- The CITY's project manager, or a designated representative, will coordinate the project for the CITY.
- CITY shall review and provide comments on design deliverables within 14 working days.
- CITY shall provide required permit application fees upon written request from the CONSULTANT.

ADDITIONAL SERVICES

If authorized in writing by the CITY as an amendment to this Task Order, the CONSULTANT shall furnish, or obtain from others, Additional Services of the types as listed in the Master Agreement. The CITY, as indicated in the Master Agreement, will pay for these services.

The following services are NOT included in this proposal and will be considered Additional Services, which will be addressed in a separate contractual agreement. The services include but are not limited to:

- Structural (i.e. retaining walls, bridges, docks), mechanical (i.e. fire pumps), fire protection, geotechnical and testing, power, gas, telephone, cable television, site lighting services.
- Calculations of off-site flood stages.

- Off-site engineering and negotiations for off-site easements, if required (other than as specified in the Scope of Services).
- Professional land surveying not included in the scope of services (i.e. buried utility investigation, easement research, condominium documents, project stakeout and as-built drawings),
- Professional services required due to conditions different from those itemized under the Scope of Services or due to events beyond the control of Calvin, Giordano & Associates, Inc.
- Professional services required, due to changes in the site plan initiated by the CLIENT, their representatives or other consultants (e.g. architects, landscape architects, etc.) after either design or preparation of the construction drawings has commenced.

MEETING ATTENDANCE

Due to the difficulties of predicting the number or duration of meetings, no meetings other than those listed above, are included in the Schedule of Fees shown below. Preparation for and meeting attendance, as necessary, will be provided on a time and materials basis and will be billed at the standard hourly rates in accordance with the attached Hourly Rate Schedule.

PERFORMANCE SCHEDULE

The CONSULTANT shall perform the services identified in Task 1 through 5 within 180 working days of written Notice to Proceed

PROJECT FUNDING

Performance of this project is at the CITY’s discretion and may be contingent upon the CITY receiving funding and work shall not begin until the CITY notifies the CONSULTANT that funding sources for this project are in place.

METHOD OF COMPENSATION

The services performed will be accomplished using the Not-to-Exceed (NTE) method of compensation.

Description:	Method of Compensation:	Amount:
Task 1 – Surveying	NTE	\$4,160.00
Task 2 – Preliminary Design	NTE	\$30,296.00
Task 3 – Permitting	NTE	\$9,295.00
Task 4 – Architectural Design	NTE	\$7,330.00
Task 5 – Final Design	NTE	\$32,870.00
Task 6 – Bidding Phase Service	NTE	\$8,370.00
Task 7 – Engineering Services During Construction	NTE	\$37,835.00
Task 8 – Construction Inspection Services	NTE	\$22,640.00
Task 9 – Project Close Out	NTE	\$18,810.00
	Total =	\$171,606.00

CITY CONTACTS

Requests for payments should be directed to City of Fort Lauderdale Accounts Payable via e-mail to AcctsPayable@FortLauderdale.gov. All other correspondence and submittals should be directed to the attention of Stan Edwards, PE, Project Engineer, at the address shown below. **Please be sure that all correspondence refers to the City project number and title as stated above.**

Stan Edwards, PE
Project Engineer
City of Fort Lauderdale
City Hall, 4th Floor Engineering
100 North Andrews Avenue
Fort Lauderdale, FL 33301
954-828-5071
sedwards@fortlauderdale.gov

CONSULTANT CONTACTS

Calvin, Giordano & Associates, Inc.
Robert McSweeney, P.E.
Senior Project Manager
1800 Eller Drive, Suite 600
Fort Lauderdale, FL 33316
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Calvin, Giordano & Associates, Inc.
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Fort Lauderdale, FL 33316
Phone: 954-921-7781
Email: dstambaugh@cgasolutions.com

Calvin, Giordano & Associates, Inc.
Nicholas Kanelidis, P.E.
Project Engineer
1800 Eller Drive, Suite 600
Fort Lauderdale, FL 33316
Phone: 954-921-7781
Email: nkanelidis@cgasolutions.com

CITY

IN WITNESS OF THE FOREGOING, the parties have set their hands and seals the day and year first above written.

CITY OF FORT LAUDERDALE, a municipal corporation of the State of Florida:

By _____
LEE R. FELDMAN, City Manager

(CORPORATE SEAL)

ATTEST:

JONDA K. JOSEPH, City Clerk

Approved as to form:

RHONDA MONTOYAHASAN
Assistant City Attorney

CONSULTANT

WITNESSES: (Need 2)

(Consultant Full Legal Name)

Signature

By:_____

Print Name

Name:_____

Title:_____

(Must be authorized to sign for the Entity.
Prefer President/Vice President.)

ATTEST:

Print Name

By:_____

Name:_____

Title:_____

(CORPORATE SEAL)

STATE OF FLORIDA:
COUNTY OF _____:

_____(Person authorized to sign for the Entity) and _____ as
_____(Authorized person's title) and Vice President respectively, of
_____(Consultant) acknowledged the foregoing instrument before me this
_____ day of _____, 20____, on behalf of the corporation. They are
personally known to me and did not take an oath.

(SEAL)

Notary Public, State of Florida
(Signature of Notary taking Acknowledgement)

Name of Notary Typed, Printed or Stamped

My Commission Expires

Commission No.

(Minimum of three original documents executed by the Consultant and delivered to the
City Attorney's Office by deadline)